Chapter III
RECLAMATION PLAN

3.0 TABLE OF CONTENTS

		Page
3.0	Table of Contents	III-1
3.1	Introduction	III-2
3.2	Proposed Post-Mining Land Use	III-3
3.3	Schedule	III-4
3.4	Removal of Structures and Site Cleanup	III-5
3.5	Backfilling and Grading	III-6
3.6	Drainage Control	III-8
	3.6.1 Drainage Plan	III-8
	3.6.2 Sediment Control	III-8
3.7	Topsoil Handling	III-10
3.8	Revegetation	III-11
3.9	Environmental Monitoring and Maintenance	III-12

List of Plates

III-1A thru 1F	Reclamation Plan Grading and Drainage
III-1A-1	Modifications to Plate III-1A Final Grading and Drainage Following Culvert Removal
III-1B-1	Modifications to Plate III-1B, final Grading and Drainage of Sedimentation Pond No. 1
III-1C-1	Modifications to Plate III-1C and III-1D, Final Grading and Drainage of Sedimentation Pond No. 2
III-1D-1	Modifications to Plate III-1D Final Grading and Drainage of Facilities Area Reclamation Plan Borrow Area

List of Appendices

Appendix III-1	Phase III Bond Release Application

File in:
☐ Confidential
☐ Shelf
☒ Expandable
Refer to Record No 0007 Date 01/2/2008
In C:\0007013.2008, Jasoming
For additional information

APPENDIX III-1

Phase III Bond Release Application
Horse Canyon Mine

January 25, 2008

Table of Contents

Phase III Bond Release Application
Horse Canyon Mine

Phase III Bond Release Application, Horse Canyon Mine 1

List of Appendices

III-1-1 Asset Assignment Agreement - (Post Mining Land Use Change area - CEU donation)
III-1-2 Letters to Surface and Subsurface Owners
III-1-3 Public Notice
III-1-4 Plates III-2A through III-2G
III-1-5 Horse Canyon Vegetation Survey 2003
III-1-6 Horse Canyon Vegetation Survey 2004
III-1-7 UDOGM Phase III Application Review Comments Letter, June 5, 2006
III-1-8 Reclamation Certification
III-1-9 0.01 Acres - Emery County Bridge Abutments - Emery County Roads Department Letter

Appendix III-1
Phase III Bond Release Application
Horse Canyon Mine

The purpose of this application is to request Phase III Bond Release for the Horse Canyon Mine including the Post Mine Land Use Change area with structures and buildings approved by the Division of Oil Gas and Mining (Division) on February 25, 2004. This application includes the lands included in the previous bond releases:

1. Phase I (51.56 acres) bond release for $812,726 was approved by the Division on February 5, 1997.

2. Phase II (51.56 acres) bond release for $191,672 was approved by the Division on April 11, 2002.

One area not included in this application is a small 0.49 acre area on the Road Junction Refuse Pile shown on Map III-2A. This area consists of an access road to the channel that sustained storm runoff damage, and the channel repair area. The damaged channel was repaired and the area seeded.

This application is for a total of 91.97 acres including the land donated to CEU, 6.5 acres designated for disturbance but never disturbed, the west bridge abutment left in place as required by Emery County. In addition, the Horse Canyon (Range Creek) public road is included in Phase III but will remain as required by Emery County. The Maps included with this application show the as-built contours after reclamation for the areas included in the Phase I and Phase II Bond Release applications. The area included in the CEU donation area where the postmining land use change was approved is also shown on the same maps with contours and with the facilities, and buildings shown and labeled. A list of these facilities and buildings can also be found in appendix X-4. The Emery County Horse Canyon (Range Creek) public road is also shown on the maps as dashed lines indicating the right-of-way lines.

Application Format

This application is formatted following Technical Directive Tech - 006, Requirements for Phased Bond Release, March 1, 2001.

This application will present the appropriate Technical Directive section headings in bolded italics followed by responses as follows:

5. Procedure
Prior to Bond Release Request

Permit reclamation changes and post mine land use changes:

All permit revisions have been approved by the Division and incorporated into the MRP.

A Post Mine Land Use Change (PMLU) for 16.18 acres not included in the Phase I and Phase II bond release areas was submitted and later approved by the Division on February 25, 2004 for a portion of the Horse Canyon Mine including buildings and areas donated to the College of Eastern Utah (CEU) under an Asset Assignment Agreement. The post mining land use change was added to the MRP as Appendix X-4 in Chapter X, Volume IV.

The Post Mine Land Use Change area can be seen on Exhibits A-1, A-2, A-3 and A-4 of the PMLU Change application (Appendix X-4, Volume IV of the MRP). The areas covered by this bond release application can be found on Plates III-2A thru III-2G attached to this application as Exhibit III-1-4 including the PMLU area and the areas covered by the approved Phases I and II bond releases. The base map for Plates III-2A through III-2F have been assembled by duplicating Plates III-1A through III-1F, Plate III-2G has been added to include small areas that extended off of Plates III-2A, and III-2B. Four (4) copies are include for insertion into the MRP document.

A copy of the Asset Assignment Agreement with CEU can be found in the Division files under the PLMU application, and as Exhibit III-1-1 of this application.

1. Certify Reclamation

As-build drawings (Plates III-1A thru III-1F) were submitted and approved as part of the Phase II bond release application; these plates have been incorporated into the MRP. Information adequate for Phase I and Phase II bond releases were previously submitted and accepted by the Division as evidenced by the approved Phase I and Phase II bond releases. The approved Post Mine Land Use Change referenced above modified the reclamation plan to leave the buildings, structures and areas as-is for use by the CEU. Therefore, that area, buildings and structures were not reclaimed.

Form C1 included with this application contains a notarized certification.

A statement certifying that all applicable reclamation activities have been accomplished in accordance with requirements of the R645 rules is included as Appendix III-1-8.

2. Provide agreements for structures remaining for post mine land use.
Phase III Bond Release Area:

Exhibit III-1-1 to this application includes a signed copy of the Asset Assignment Agreement with the CEU for the post mine land use change area. The structures and areas not reclaimed, and left for post mine land use are shown on Maps III-2C, III-2D, and III-2F in the area designated on the maps, "Post Mine Land Use Change Area Donated To CEU." The structures and areas are described in detail in Appendix III-1-1 of this submittal, and in the Post Mine Land Use Change previously approved by the UDOGM.

0.01 Acre Area For Emery County Road West Bridge Abutment and the Horse Canyon (Range Creek Road)

On October 4, 1995, a Special Warranty Deed and Dedication Agreement between Intermountain Power Agency, and Emery County was executed giving Emery County rights to the Horse Canyon (Range Creek) road for it's use(refer to Appendix I-6 in Chapter I, Volume I of the MRP). This agreement states that, "The road was established and used by the public to access public lands for recreational and ranching purposes prior to Grantor's improvement of the Road and use thereof for mining purposes." The road has been used by many landowners in Range Creek for decades to access their property, as well as property on the Tavaputs Plateau. Therefore, the Horse Canyon (Range Creek) road by prescriptive use has been a public road for decades. Prescriptive use is a legal precedent established by long-time public use, and has been upheld in many court cases nation-wide, and in Utah. On page X-16 of the approved MRP, it states:

> The public road currently in existence through the permit area will be retained during and following the mining and reclamation periods. A road has been present in Horse Canyon through the mine area since at least 1899 and presumably has been used by the public. Maps illustrating the existence of this road have been provided as Plates X-1 and X-2 As shown on Plate X-1, the road parallels the course of the Horse Canyon Creek through Sections 3 through 6, 8, and 9 of T. 16 S., R. 14 E.. The road crosses from the south side to the north side of the creek bed in the northern portion of Section 8. The road apparently drops into the creek bed in the northern portion of Section 9 and then continues up the drainage. The road appears to become a trail in the northwest portion of Section 3. The trail continues up the South fork of Horse Canyon as illustrated on Plate X-2.

A copy of a letter from the Emery County Road Department, dated February 26, 1996 discussing the Horse Canyon (Range Creek) road is included in Appendix I-6. This letter specifically says that Emery County understands that "•••the right-of-way includes all structures within the legal description of the property." Further, the letter states, "The structures within the right-of-way also include the bridge that spans Horse Canyon Creek within the mine area."

The Emery County road has been clearly marked and labeled on all maps included in this application. The road includes a 100 foot wide strip centered on the Horse Canyon (Range Creek) road, with wider sections where there are drainage structures, and where the bridge crosses the creek. As can be seen on the maps, areas where mining activity disturbed land within the road were reclaimed and have been included in Phases I and II bond releases. The areas not included in Phase I and Phase II bond releases within the Emery County road are shown on the attached drawings III-2A through III-2G, and are included in this request for Phase III bond release. The Public Road was not included in the Phase I and Phase II bond release applications, and there was no bond amount designated for the Public Road. This application includes this road to clarify any misconception that may arise over the Public Road.

The current bridge is only one lane wide, and Emery County has indicated the need to widen the bridge to two lanes. The Horse Canyon (Range Creek) road has been a public road for many decades, long before the SMCRA law came into being. Being a public road, it could not be reclaimed by UEI, or any of it's predecessors. Private property owners in Range Creek and on the Tavaputs Plateau rely on the road for access to their properties. The Emery County Road Supervisor, Mr. Morris Sorensen has determined the west bridge abutment serves to stabilize the channel and road embankment and needs to be left. Further, Mr. Morris indicated that the east abutment should be removed. The east abutment was removed as required.

The approved postmining land use is Wildlife habitat for the major portion of the permit and surrounding areas. As stated in Chapter X of the MPR, on page X-4 Horse Canyon was historically used as a cattle trail, and on page X-16 it states that the road has existed since about 1899. This trail/road likely traversed up the canyon and over the mountain into Range Creek. Further documentation is discussed on page X-16. By necessity, use of the road by ranching requires access for domestic animals, and by ranchers and later when the road was established, their vehicles. Because of long established use, the trail, and then the road became public access to Range Creek and the Tavaputs Plateau. Even though this use may not have been fully discussed in the Horse Canyon Mine permits, it nevertheless existed and cannot be ignored. Court case precedence has been well established that common and long standing use of a trail, or road by the public must be maintained for the benefit of the public. Therefore, the Horse Canyon (Range Creek) road would have to be left operational after mining ceased. As stated on page X-16 of the approved MRP, "The public road currently in existence through the permit area will be retained during and following the mining and reclamation periods."

As can be seen on Plate II-1B of the approved MRP, the disturbed areas include areas used for mining operations and clearly exclude the original Horse Canyon (Range Creek) road. Therefore, the original road was not included in the Phase I, or Phase II Bond release applications. This application requests Phase III bond release for the areas shown on Maps III-2A through III-2G, as well as the entire Emery County road area.

A Post Mining Land Use Change (PMLU) application for 16.18 acres of the mining area

was submitted to the UDOGM and approved for Residential/Recreational for the area including the Horse Canyon Mine buildings. The land and buildings were donated to the Center for Mine Land Redevelopment, and the College of Eastern Utah for use as a science field camp. The Horse Canyon (Range Creek) Road is necessary access to the PMLU area.

In view of the above discussion, the Horse Canyon (Range Creek) road meets the post mining land use objectives. The west bridge abutment is a necessary part of the bridge structure, and therefore it meets the post mining land use of Wildlife Habitat, and of Residential/Recreational.

6.5 Acre Borrow Area Disturbed and Not Reclaimed

Map III-2G shows the borrow pit area used to obtain soil materials for final reclamation. As can be seen on the map, the Western portion of the area was used as the borrow area, with the Eastern portion reserved for final reclamation of the buildings area. Since the buildings area was donated to the college of Eastern Utah, and a Land Use Change was approved by the UDOGM, the necessity for borrow from the Eastern area of the borrow pit was precluded. As can be seen by the contours of the Eastern area, no excavations, or removal of soils materials was done. In addition, mature vegetation including pinion and juniper trees in the area attest to the fact that the area has not been disturbed in the past several decades. A pre-law two-track road traverses this area, and it can be verified by the contours along this road that no disturbance has been done. Since the Eastern portion of the borrow area was never disturbed it will be removed from the disturbed area.

The Western portion of the borrow pit area was used for reclamation materials for the Horse Canyon Mine as discussed previously. This Western area was included in Phases I and II reclamation bond release, and is included in this Phase III bond release application. It is requested by this application to included both the Western and Eastern portions of the borrow pit for final Phase III bond release since all reclamation standards have been met for the Western portion, and the Eastern portion was never disturbed.

3. Address performance standards.

The land use change area and structures will be used by the CEU. The area has been donated in total including ownership of the property and therefore is removed from reclamation responsibility, although no bond reduction has been applied for. This Phase III bond release application includes the acreage, buildings and structures including the post mine land use change area as well as the areas reclaimed under the Phase I and Phase II bond releases. All pertinent requirements were addressed in the post mine land use change application.

Post Mining Landuse

The postmining landuse of Wildlife Habitat has been achieved by providing much better vegetation for foraging animals than exists in the undisturbed surrounding area. The attached vegetation reports verify that the vegetation reclamation standards have been met or exceeded.

The Horse Canyon Mine buildings and other areas were included in a postmining land use change to Wildlife and Residential/Recreational approved by the UDOGM, with the intent to be used by the CEU for a science field camp. Reclamation in the area provides a good environment for a science field camp by providing vegetation that will attract wildlife. In addition, the buildings and area will provide a base for science studies possibly including, vegetation, soils, geology, paleontology, archeology, and wildlife.

AOC Considerations

6.5 Acre area

As can be seen on Map III-2G, the contour lines in the 6.5 acre area not reclaimed or used for a borrow area for reclamation are quite irregular in nature, indicating that no excavation was conducted during reclamation of the Horse Canyon Mine. Two old pre-law roads cris-cross the area, and it can be seen by observing the contour lines that they have not been modified by borrow activities. In addition, mature vegetation and large mature trees in the area indicate that no disturbance has been done in this area for many decades. Since the area has not been disturbed, the existing contours are the original contours, and require no modification, this area was removed from the disturbed area.

0.01 Acre area

The east bridge abutment is included in the 0.01 acre area. The Horse Canyon Creek is a deeply incised canyon with very steep side walls in this area. This has likely been the case for this canyon for eons, and is typical of canyons in the general area. The bridge abutments do not alter the general shape of the canyon. Since the road is a public road, and the west abutment is necessary to stabilize the channel and road embankment , the road and west abutment supports post mining land use. The west abutment will be left in place as requested by Emery County officials. The east abutment was removed.

Underground Mine Openings

Page IV-15 of the approved MRP states: "There are twelve openings within the Horse Canyon permit area that are sealed. The seals used are suitable for temporary closure or permanent reclamation".

Page II-8 of the approved Horse Canyon MRP states: "In the third quarter of 1986 all portals were sealed with solid block walls to prevent unauthorized entry of the mine. The seals used are suitable for temporary closure or permanent reclamation."

A Minor Exploration Permit was approved by DOGM in January of 1992. This permit allowed for BXG, Inc. To breach the seals and explore the Horse Canyon mine. The exploration plan states: "This exploration is not being conducted by the owner or permit holder. Thus, no permit will be modified or revised."

BXG's Horse Canyon Exploration Project began in late August of 1992 with MSHA's approval of the Seal Breaching Plan and subsequent breaching of the Horse and Lila Canyon seals on August 26 and 27, 1992. Mine exploration began January 22, 1993, after MSHA approval of the mine Exploration Plan received on December 30, 1992. A resealing plan was submitted to MSHA on April 27, 1993 and approved May 14, 1993. The Lila and Horse Canyon seals breached in August, 1992 have been restored to original condition.

REQUEST FOR BOND RELEASE

I. A. Notarized signature

This application has been formatted as new Appendix III-1, Chapter III, Volume I of the MRP, and includes form C1 which includes a certification with notarization.

I. B. Notification letters

Exhibit III-1-2 includes copies of notification letters sent to the appropriate individuals and entities included in the following list:

ADJACTENT PROPERTY OWNERS

Mr. Josiah K. Eardley
2433 So. Highway 10
Route 1, Box 119
Price, Utah 84501

Mr. Dave Stokes
Bronco Coal
340 South Carbon Ave. Suite 126
Price, Utah 84501

College Of Eastern Utah Foundation
451 East 400 North
Price, Utah 84501

GOVERNMENT AGENCIES

Mr. Bruce Andrews, Mayor
Sunnyside City
701 Market St.
Sunnyside, Utah 84539

Mr. Orlando LaFontaine, Mayor
East Carbon City
101 W. Geneva Dr.
East Carbon, Utah 84520

Mr. Drew Sitterud
Emery County Commission
95 East Main Street
Castle Dale, Utah 84112

Mr. Bill Krompel
Carbon County Commission
120 East Main St.
Price, Utah 84501

Department of Natural Resources
Division of Sovereign Lands & Forestry
1594 W. North Temple, Suite 3520
P.O. Box 145703
Salt Lake City, Utah 84114-5703

United States Department of The Interior
Bureau of Land Management
Mr. Mark Mackiewicz
125 South 600 West
Price, Utah 84501

Emery County Planning and Zoning Commission
PO Box 727
75 East Main St.
Castle Dale, Utah 84513

WATER & SEWER

Castle Valley Special Service District
86 South 100 East
Castle Dale, Utah 84513

I. C. NEWSPAPER ADVERTISEMENT

Exhibit III-1-3 includes a copy of the public notice required by R645-301-880-120. Poof of publication will be submitted following posting and receipt of signed affidavit of publication

I. D. PERMIT CONDITIONS

There are no outstanding permit conditions.

II. A. 1. Legal description of the permit area.

The permit area is shown on the Lila Point, and Cedar U.S. Geological Survey 7.5-minute Quadrangle maps. The areas covered in this Phase III Bond release application include 51.56 acres covered by the Phase I and Phase II bond releases as well as 6.5 acres at the borrow area which was partially disturbed during reclamation efforts in 1990 -1991 by removing some fill material for reclamation. This disturbance of the borrow area was reclaimed at that time and has not been disturbed since. In addition, 0.01 acres including the west bridge abutment was retained by Emery County for the bridge providing access to the Horse Canyon (Range Creek) County road. Also, 16.18 acres were donated to CEU, making a total of 74.26 acres included in this bond release application.

The complete permit legal description can be found in Chapter I, Volume 1 of the MRP. More specifically, the disturbed areas included in the reclamation bond are as follows:

Post Mining Land Use Change Area:

Township 16 South, Range 14 East, SLB&M

Section 3: Lots 3, 6, 11, 12
Section 4: NE4SE4, SE4SE4, NW4SE4, SW4SE4

Containing 16.18 acres.

Phase III Bond Release Areas:

Township 16 South, Range 14 East, Salt Lake Base & Meridian

Section 3

Lot 1, 2, 3, 5, 6, 7, 8, 9, 11, 12; N2SW4SW4, SW4SE4, NW4SW4, NE4SW4
N2SE4, SE4SE4

Section 4

SE4NE4, S2SW4, S2SE4NE4, Lot 9, SE4

Section 5

S2SE4SE4

Section 8

NE4NE4

Section 9

NW4NW4, NE4NW4, NW4NE4

Containing 58.08 acres of disturbed area.

II.A.2. Maps

All disturbed areas where reclamation has been completed are included in this Phase III Bond Release application. Those areas can be seen on Plates III-1A thru 1F, III-1A-1, III-B-1, III-1C-1, III-1D-1, and III-1G in Chapter III, Volume I of the MRP. The disturbed area boundary can also be seen on Plates II-1A and 1B in Chapter II, Volume I. Plates III-A thru III-1F have been revised to reflect the Phase III bond release request including the areas

donated to CEU included in the PMLU and the areas previously reclaimed under the Phase I and Phase II bond releases, and can be seen in Exhibit III-1-4 of this application.

The maps included with this application show the topography of the area including reclaimed area topographic lines. The Emery County public road has been added to clearly designate it's location in relationship to areas reclaimed, and the area donated to the CEU. The donation area is clearly shown on Maps III-2C, III-D, and III-F.

II.A.3. Vegetation Sampling

Vegetation sampling was conducted in 2003 and 2004 for Phase III bond release evaluation. The sampling reports are included in this application as Exhibit III-1-5, Horse Canyon Vegetation Survey - 2003, and Exhibit III-1-6, Horse Canyon Mine Vegetation Survey - 2004. The Division was notified and consulted in this regard as stated in the 2003 sampling report included as Appendix III-1-5, Horse Canyon Vegetation Study - 2003. The vegetation meets the requirements of the standards as follows:

Quoting from the 2003 study report:

A vegetation inventory was conducted on 6 revegetation sites on the Horse Canyon Mine property between June and August, 2003. Data were collected regarding percent cover, percent cover by species, and woody plant density at each site. Data were also collected from a reference site located on Bureau of Land Management property adjacent to mine property. Revegetation sites were compared to the reference area with respect to cover and woody plant density to determine similarity. All sites cover averages exceed the cover average for the reference site and should be judged to have satisfactorily exceeded minimum requirements with respect to cover. Woody plant density in all revegetated sites exceeded woody plant density in the reference area. Species diversity was also higher in all revegetated areas when compared to the reference area.

Quoting from the 2004 study report:

> A vegetation inventory was conducted on 6 revegetation sites on the Horse Canyon Mine property between June and August, 2003. Data were collected regarding percent cover, percent cover by species, and woody plant density at each site. Data were also collected from a reference site located on Bureau of Land Management property adjacent to mine property. Revegetation sites were compared to the reference area with respect to cover and woody plant density to determine similarity. All sites cover averages exceed the cover average for the reference site and should be judged to have satisfactorily exceeded minimum requirements with respect to cover. Woody plant density in all revegetated sites exceeded woody plant density in the reference area. Species diversity was also higher in all revegetated areas when compared to the reference area. Life form similarity comparisons indicated that in almost every case, the revegetated areas exceeded the 70% standard with respect to percent cover.

II.A.4. Reclamation treatments, areas and work accomplished

The following MRP Chapters address the information required:

Reclamation areas and plan ..... Chapter 3, Volume I
Postmining Topography ..... Chapter 3, Volume I
Drainage Control ..... Chapter 3, Volume I
Vegetation ..... Chapter VIII, Volume IV
Land Use ..... Chapter X, Volume IV

*** The Post Mine Land Use Change including the CEU donation area is included in Appendix X-4.

Roads

All roads were reclaimed except for the Horse Canyon (Range Creek) public road. All

reclaimed roads are included on the maps in the areas designated "Phase III Reclaimed Areas." The roads were reclaimed according to the approved MRP. A short road will be needed to access the Road Junction Refuse Pile channel that sustained storm damage as shown on Map III-2A. This road will be opened up to access the channel for repairs and will be immediately reclaimed and seeded during the first available reclamation season according to the approved MRP.

II.A.5. Mining history and reclamation activities

The Horse Canyon Mine was initially opened by the Defense Plant Corporation in 1942 as a source for coal for the Geneva Steel Works in Orem, Utah. The mine was sold to U.S. Steel in 1946, who operated it until January 1984, when mining was permanently suspended. U.S. Steel submitted a mining and reclamation permit application in March, 1981. In October 1982, U.S. Steel informed the Division that it was temporarily suspending mining operations, and in January 1984 permanent suspension was announced.

In November 1984, Kaiser Steel Corporation purchased the mine property and submitted a reclamation bond in the amount of $918,649, and indicated to the Division that it would maintain the operations in a temporary suspension status until further corporate decisions were made. In February 1987, Kaiser Coal, successor to Kaiser Steel filed a petition for bankruptcy under Chapter 11, Title 11, of the U.S. Bankruptcy Code. Intermountain Power Agency (IPS) acquired the mine and the permit was transferred to IPA in August 1990. IPA was issued a mining and reclamation plan on May 6, 1991, and a reclamation bond in the amount of $1,950,000 was issued in the form of a letter of credit.

Reclamation work proceeded on 51.56 acres of the 74.26 acres in 1990 and 1991. Phase I bond release was granted on February 5, 1997 for $812,276. Phase II bond release application was submitted on December 19, 1997.

UtahAmerican Energy, Inc. acquired the mine from IPA on December 21, 1998. Phase II bond release was granted on April 11, 2002.

II.A.6. Extended Responsibility

One area of extended responsibility period for the Horse Canyon Mine is shown on Map III-2A consisting of a short access road to the channel that sustained storm runoff damage, and the channel repair area. This area and road consist of 0.49 acres.

II.A.7. Remaining sediment control structures

There are no remaining sediment control structures that need to be removed.

II.A.8. Schedule and cost estimate for remaining reclamation

Phase II Bond release has been granted; this application is for Phase III bond release, completing the reclamation process, except for the 0.49 acre area on the Road Junction Refuse Pile where the channel will be repaired.

With the post mine land use change for the CEU donation, all un-reclaimed facilities and land have been removed from permit responsibility.

II.A.9. Summary of bond acreages, dates of bond releases

Date	Status	Amount	Acreages
11 Nov 84	Initial Kaiser Bond	$ 918,649	74.26 Disturbed
6 May 91	IPA Bond	$ 1,950,000	74.26 Disturbed
5 Feb 97	Phase I Bond Release (IPA)	$ 812,726	74.26 - 51.56 = 22.7 Balance
15 Sept 98	Intital Horse Canyon Bond (UAE)	$ 1,137,726	22.7 Disturbed Remaining
24 Jan 01	Adjustment at permit renewal by $115,274	$ 1,253,000	22.7 Disturbed Remaining
11 Apr 02	Phase II Bond Released $191,672	$ 1,061,328	22.7 Disturbed Remaining
25 Feb 04	Post Mine Land Use Change Approved including 16.18 acres	No Change	22.7 -16.18 = 6.52 Remaining
	Phase III Bond Release Application	**$1,056,328**	**91.97 = 91.97 Ph III**
	Road Junction Refuse Pile Channel & Access Road (.49 Ac)	**$5,000**	**0.49 Remaining**

[A] Refer to Section II.A.1 on page 2 of this application for an explanation of the 6.5 acres.

Appendix III-1-1

Asset Assignment Agreement

ASSET ASSIGNMENT AGREEMENT

This ASSET ASSIGNMENT AGREEMENT (this "Agreement"), is made and entered into as of the 13 day of September, 2005 (the "Effective Date"), by and between **UTAHAMERICAN ENERGY, INC.** ("UEI" or "Assignor"), a Utah corporation, having an address of P.O. Box 986, Price, Utah 84501, and the **COLLEGE OF EASTERN UTAH FOUNDATION** ("CEUF" or "Assignee"), a Utah Non-Profit Corporation located in Price Utah, having an address of 451 East 400 North, Price, Utah 84501.

RECITALS

A. UEI is the owner of certain assets held in connection with the Horse Canyon Mine, an underground coal mine, including certain surface lands and facilities which are being reclaimed pursuant to the provisions of the Utah Coal Mining and Reclamation Act and Permit No. C/007/013, situated in Carbon County and Emery County, Utah.

B. UEI desires to donate, transfer and assign to CEUF and CEUF desires to accept and acknowledge the donation from UEI of certain of the Horse Canyon Mine property assets and water rights, collectively referred to as the "Donated Property," all subject to the terms and conditions of this Agreement.

NOW, THEREFORE, In consideration of the promises and benefits contained herein and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, UEI as Assignor and CEUF as Assignee, agree as follows:

ARTICLE I
Definitions

1.1 Certain Definitions. In this Agreement, capitalized terms and other defined terms described before shall have the meanings set forth as follows:

"Agreement" means this Asset Assignment Agreement and the exhibits attached hereto and all agreements or instruments executed in connection herewith or described pursuant hereto.

"Bond" means the Horse Canyon Mine reclamation bond provided by UEI to the Division.

"Coal Act" means the Coal Mining and Reclamation Act and the Federal Surface Mining Control and Reclamation Act.

"Conveyance Documents" means those instruments transferring title to the Donated Property from UEI to CEUF described at Exhibit F hereto.

"Division" means the State of Utah Department of Natural Resources, Division of Oil, Gas and Mining.

"Donated Facilities" means the list of buildings and surface facilities donated by UEI to CEUF and described at Exhibit E hereto.

"Donated Property" means all of UEI's right, title and interest to the real property and surface facilities described at Exhibits A and E hereto and as further depicted on the map attached as Exhibit C hereto and the Water Rights described at Exhibit B hereto.

"Effective Date" means the date of this Agreement first set forth above.

"Environmental Law" means all applicable statutes, ordinances, rules, regulations, licenses, permits, orders and other authorizations of all federal, state and local entities having jurisdiction over the Donated Property.

"Horse Canyon Mine" means the underground coal mine located in Carbon County, Utah, and all associated facilities.

"IRC" means the Internal Revenue Code of 1986, as amended.

"Lila Canyon Mine" means the UEI mining operation located near or adjacent to the Donated Property.

"Phase II and Phase III Bond Release" means the release of portions of UEI's Bond on the Horse Canyon Mine in accordance with the Coal Act.

"Post Mine Land Use" means the land use of the Donated Property under the Coal Act.

"Retained Assets" means those assets retained by UEI as set forth at 3.2 of the Agreement.

"State Historic Preservation Officer" or "SHPO" means the Utah Department of Community and Economic Development, Division of State History.

"Water Rights" means those water rights described in Exhibit B.

ARTICLE II
AGREEMENT TO ASSIGN DONATED PROPERTY

2.1 Agreement to Assign. Subject to the terms and conditions of this Agreement, UEI agrees to donate, transfer and assign and CEUF agrees to accept from UEI the Donated Property.

ARTICLE III
ASSETS AND LIABILITIES TO BE ASSIGNED AND RETAINED

3.1 Assets to be Assigned. The assets to be donated, transferred and assigned are referred to as the Donated Property.

3.2 Assets to be Retained. The assets to be retained by UEI are:

(a) Coal and Mineral Rights. UEI reserves its interest, if any, in the coal, oil and gas, coalbed methane and other minerals of whatsoever kind, determination or description located within the following described lands within Emery County, Utah:

Township 16 South, Range 14 East:

Section 3: Lots 1, 3, 7, 8, and 11 (approximately 176.13 acres)

(b) Retained Assets described at Exhibit A. UEI retains the assets described under the column "UEI to Retain Ownership" at Exhibit A hereto.

(c) Redden Spring. UEI reserves all right, title and interest in the Redden Spring Water Right No. 91-5084, as described at Exhibit B hereto, and reserves easements across the Donated Property for access to the Water Rights and construction and operation of water pipelines and diversionary facilities related to use of the Water Rights, until the earlier of 5 years from the Effective Date or release by UEI to CEUF upon replacement of the water supplied by this water right.

(d) Water Replacement. UEI reserves the right to use of the Water Rights described at Exhibit B for UEI's mining purposes or for water replacement purposes as defined in the Coal Act, or for any other regulatory compliance requirement and reserves easements across the Donated Property for access to the Water Rights and construction and operation of water pipelines and diversionary facilities related to use of the Water Rights.

(e) Access for Environmental Monitoring and Bond Release. UEI reserves access to the Donated Property for the purpose of conducting environmental monitoring under applicable Environmental Laws and for purposes of completing activities related to Phase II and Phase III Bond Release.

3.3 Liabilities Assumed by Assignee. With the exception of those liabilities retained by Assignor as described at Section 3.4 herein, Assignee assumes all liabilities and obligations with regard to the Donated Property arising after the Effective Date, including but not limited to those arising under Environmental Laws. To the fullest extent permitted by law, except as specifically provided at § 3.4 herein, Assignee shall and hereby agrees to, as of the Effective Date, indemnify and hold harmless Assignor and its shareholders, directors, officers, agents, employees, attorneys, representatives, successors and assigns, individually and collectively (the "UEI Indemnified Parties") from and against any and all claims, demands, suits, proceedings, damages, losses, liabilities, liens, fines, penalties, claims from indemnification or contribution, and any other matters whatsoever, and all costs and expenses incurred in connection therewith, including attorneys' fees (collectively the "Claims"), arising from ownership and use of the Donated Facilities or Donated Property after the Effective Date, including but not limited to Claims involving bodily injury and death, property damage and environmental conditions of the Donated Facilities or Donated Property. Assignee shall defend all Claims and pay all costs and expenses incidental thereto, but any of the UEI Indemnified Parties shall have the right, at their option, to participate in their own defense through separate counsel without relieving Assignee of any obligation herein. This Section 3.3 shall survive the Effective Date.

3.4 Liabilities Retained by Assignor. UEI retains all liabilities and obligations relating to the Donated Property that arose prior to the Effective Date, including but not limited to those arising under Environmental Laws and permit requirements. Further, UEI retains responsibility for all liabilities of, obligations for, and terms of compliance with: (i) the UPDES

on the Sedimentation Pond described at Exhibit E; (ii) the Bond and associated reclamation activities under the Coal Act necessary to achieve Phase II and Phase III Bond Release; (iii) the Horse Canyon Mine Permit; and (iv) the Lila Canyon Mine Permit (collectively the "Permitted Activities"). To the fullest extent permitted by law, Assignor shall and hereby agrees to, as of the Effective Date, indemnify and hold harmless Assignee and the College of Eastern Utah and their respective directors, officers, agents, employees, attorneys, representatives, successors and assigns, individually and collectively (the "CEUF Indemnified Partners") from and against any and all claims, demands, suits, proceedings, damages, losses, liabilities, liens, fines, penalties, claims for indemnification or contribution and any other matters whatsoever, and all costs and expenses incurred in connection therefore, including attorneys' fees (collectively the "Claims") arising from ownership and use of the Donated Facilities and Donated Property prior to the Effective Date, and after the Effective Date, only as to Claims arising from the Permitted Activities, including but not limited to Claims involving bodily injury and death, property damage and environmental conditions of the Donated Facilities and Donated Property. Assignor shall defend all Claims and pay all costs and expenses incidental thereto, but any of the CEUF Indemnified Parties shall have the right, at their option, to participate in their own defense through separate counsel without relieving Assignor of any objections hereunder. This Section 3.4 shall survive the Effective Date.

ARTICLE IV
REPRESENTATIONS AND WARRANTIES

4.1 Conveyance of Donated Property. UEI is donating, transferring and assigning the Donated Property to CEUF, **"AS IS," "WHERE IS" WITHOUT ANY WARRANTIES OR REPRESENTATIONS AND NEITHER UEI NOR ANY OF ITS DIRECTORS, OFFICERS, EMPLOYEES, AFFILIATES, ATTORNEYS, AGENT OR REPRESENTATIVES HAS MADE OR MAKES ANY WARRANTY OR REPRESENTATION WHATSOEVER REGARDING THE PROPERTY, OR ANY OTHER MATTER IN ANY WAY RELATED TO THE PROPERTY, INCLUDING, BUT NOT LIMITED TO TITLE TO THE DONATED PROPERTY, LEASE, USE, VALUE, ENVIRONMENTAL CONDITION, ACCESS, WETLANDS, OR ANY OTHER CONDITION OF THE PROPERTY OR ANY IMPROVEMENT OR PERSONAL PROPERTY LOCATED THEREON.** This Article 4.1 shall survive the Effective Date.

4.2 Charitable Status of CEUF. CEUF represents and warrants that it is a charitable organization under § 501(c)(3) of the IRC.

ARTICLE V
SCOPE OF WORK ON DONATED PROPERTY

5.1 UEI Scope of Work. UEI shall perform, and as of the Effective Date, represents that it has completed the Scope of Work described at Exhibit D ("Scope of Work").

ARTICLE VI
MINING ON UEI'S ADJACENT PROPERTY

6.1 Acknowledgment of Mining. CEUF acknowledges that UEI intends to conduct coal mining activities at the Lila Canyon Mine adjacent to the Donated Property and waives all claims arising from the impact of such land use on the Donated Property. This Section 6.1 shall survive the Effective Date.

ARTICLE VII
CONVEYANCE OF DONATED PROPERTY

7.1 Assignor's Conveyance Documents. Upon the Effective Date, UEI shall execute, acknowledge and deliver to CEUF quit claim deeds for the Donated Property in the form set forth at Exhibits F and G hereto.

7.2 Assignee's Acknowledgment of Donation. This Agreement serves as CEUF's acknowledgment of UEI's donation, transfer and assignment of the Donated Property to CEUF and confirmation that no goods or services were provided by CEUF in return for UEI's contribution of the Donated Property. Upon UEI's request, CEUF will provide a separate written acknowledgement of UEI's contribution consistent with Section 170(f)(8) of the IRC and Section 1.170A-13(f) of the Income Tax Regulations.

7.3 Covenant Not to Convey. Except as otherwise agreed to by UEI in writing, CEUF hereby agrees that CEUF will not sell, transfer or otherwise convey the Donated Property to any third party other than any successor in interest within twenty-four (24) months after the date the quit claim deeds referenced in Section 7.1 hereto are recorded in the applicable county recorder's office. CEUF acknowledges that, pursuant to applicable federal tax law, any conveyance within such time period may result in adverse tax consequences to UEI. Accordingly, CEUF hereby agrees to indemnify and hold UEI harmless from any increase in federal and state taxes that result from CEUF's breach of this Section 7.3

ARTICLE VIII
MISCELLANEOUS

8.1 Assignment. This Agreement shall not be assigned in whole or part by any party without the prior written consent of the other party, which consent may not unreasonably be withheld.

8.2 Notices. All notices, payments and other communications under this Agreement must be in writing and shall be addressed respectively as follows:

ASSIGNOR: UtahAmerican Energy, Inc.
P.O. Box 986
Price, Utah 84501
Attn: Jay Marshall
Telephone: (435) 637-5511
Facsimile: (425) 675-8840

With copy to:

Snell & Wilmer L.L.P.
15 West South Temple
Suite 1200
Salt Lake City, Utah 84101
Attn: Denise Dragoo, Esq.
Telephone: (801) 257-1998
Facsimile: (801) 257-1800

ASSIGNEE: John Craven, President
College of Eastern Utah Foundation
451 East 400 North
Price, Utah 84501
Telephone: (435) 637-1706

8.3 Expenses and Fees. Each party hereto agrees to pay, without right of reimbursement from the other, the costs incurred by it incident to the preparation of this Agreement, and the fees and disbursements of counsel, accountants and consultants employed by it in connection with the negotiation of this Agreement and the consummation of the transactions contemplated herein.

8.4 Successors and Assigns. Except as otherwise provided herein, this Agreement shall be binding upon and inure to the benefit of the parties hereto and their respective successors and permitted assigns.

8.5 Entire Agreement. This Agreement (together with the exhibits hereto, all of which are incorporated herein and made a part hereof by this reference: (i) supersedes any other agreements, whether written or oral, that may have been made or entered into by any of the parties hereto (or by nay director, officer or representative of such parties) relating to the matter contemplated hereby; and (ii) constitutes the entire agreement by and between the parties hereto and there are no representations, warranties, covenants, agreement s or commitments except as expressly set forth herein.

8.6 Survival. CEUF's obligations described in Section 3.3, 6.1, 7.2 and 7.3 and UEI's obligations described in Section 3.4 of this Agreement shall survive any expiration or termination of this Agreement and shall not merge into any deed delivered and accepted upon the consummation of the transaction herein contemplated.

[remainder of page left intentionally blank]

IN WITNESS WHEREOF, the parties hereto have executed this Agreement by their duly authorize representations the day and year first above written.

ASSIGNOR:

UTAHAMERICAN ENERGY, INC.

By: Robert E. Murray

Its: Director

ASSIGNEE:

COLLEGE OF EASTERN UTAH FOUNDATION

By: [illegible]

Its: President

EXHIBIT A
to
Asset Assignment Agreement

College of Eastern Utah Foundation
Horse Canyon Project

Legal Description		UEI to Retain Ownership		Donate to College of Eastern Utah Foundation	
		Description	Acres	Description	Acres
Section					
T.16S R.14E Emery County Fee Surface	3			Lots 1,3,7,8,11	176.13
	4	S2SW4	80	NW4SE4, SE4SE4	80
	5	SE4SE4	40		
	9	S2NW4, W2SE4	160	NW4NE4, SE4NE4, NE4SE4	120
	10	SE4	160		
	15	SE4NW4, N2NE4, SE4NE4	160		
T.15S R.14E Carbon County Fee Surface	33			S2SE4	80
	34			SW4SW4	40
T.16S R.14E Emery County Fee Simple	3			Lots 5, 6, 12, NW4SW4, S2SW4	240
	4			Lots 8, 9, NE4SE4, SW4SE4	160
	8	NE4NE4	40		
	9	N2NW4	80		
T.16S R.14E Emery County Fee Simple	15	S2NE4, ALSO, Beginning at the NE corner of the NW4SE4, and running thence W 1000 feet; thence SE'ly to a point 500 feet S of beginning; thence N 500 feet to beginning	91.25		
TOTAL			**811.25**		**896.13**

EXHIBIT B
to
Asset Assignment Agreement

DESCRIPTION OF DONATED WATER RIGHTS

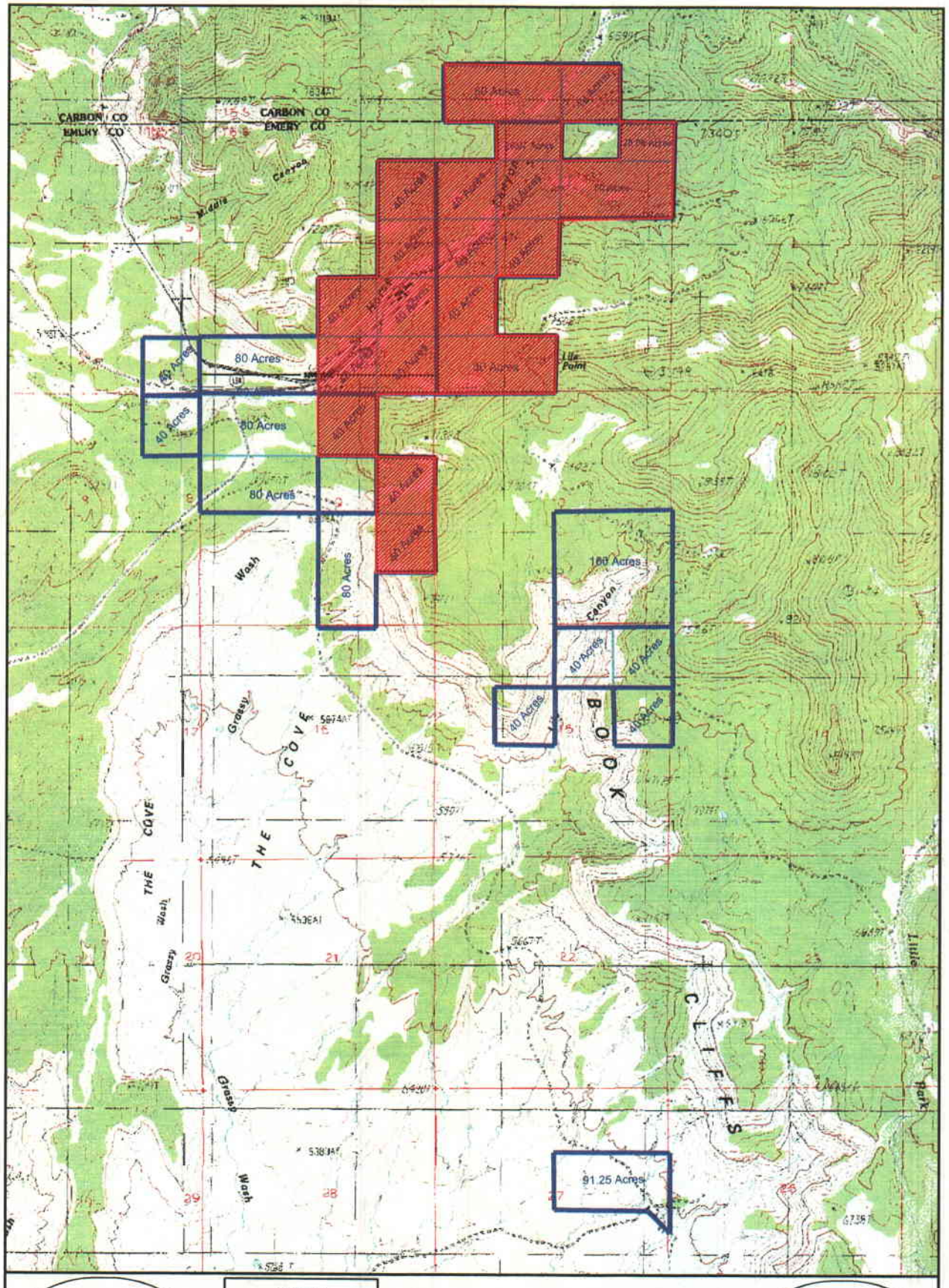
(1) Water User's Claim 91-183: Certificate of Appropriation of Water No. 4592, Application No. 20888, Water Users Claim 91-183, dated August 30, 1952, recorded in Book C of Water Rights at Page 259 in the office of the Emery County Recorder, United States Steel Company, appropriator, appropriating eighty thousandths second feet (.08 cfs) from Horse Canyon Creek, Emery County, Utah, for the period from January 1 to December 31, inclusive, for mining purposes, for diversion and use as set forth in the Deed.

(2) Water Right No. 91-5084, to appropriate 5.0 acre-feet of water from Redden Spring, located at a point South 2145 feet and West 330 feet from the NE Corner of Section 3, T16S, R14E, SLBM.

Provided, that Assignor reserves the right to use water from the above-described Water Rights for reclamation and mining purposes or water replacement uses at the Horse Canyon Mine and the Lila Canyon Mine, Emery County and Carbon County, Utah.

EXHIBIT C
to
Asset Assignment Agreement

MAP



LEGEND:

UEI to Retain

Proposed Donation

REVISIONS	
2/17/2003	RJM

SCALE:
1000' 0' 2000'

Exhibit C

April 3, 2002 | UEI

AS SHOWN

EXHIBIT D
to
Asset Assignment Agreement

Scope of Work

I. Facility Area:

1) Cover all window and door openings. Any damaged or missing plywood panels covering the windows on the following facilities will be replaced with new 3/8" plywood or equivalent.
   A) Office
   B) Bath House
   C) Warehouse
   D) Shop

2) Retain one door opening in each building, preferably in the rear away from traffic. This requirements does not apply to the shop building. The single door retained in each of the three buildings will be steel.

3) Install simple lock on the retained doors.

4) Fill in all grease sumps and underground passage openings in the shop building with sand/gravel material.

5) Remove all equipment & materials not built in, including paper, trash and personal property.

II. Portal Area:

1) Remove and dispose of temporary metal fan housing.

1) Remove both concrete head collars at ground level.

2) Cover remaining concrete with a minimum of 3' of cover material obtained from the existing pad keeping pad as flat as practical.

3) Backfill underground rock dust bin.

NOTE:

a) All concrete and metal will be disposed of in an approved disposal site for non-coal waste. Metal may be salvaged by UEI.

b) All efforts will be made to minimize disturbance of vegetation and soil.

EXHIBIT E
to
Asset Assignment Agreement

LIST OF FACILITIES

The following is a list of facilities at the Horse Canyon Mine to be donated to the College of Eastern Utah Foundation by UtahAmerican Energy, Inc.

1. Sedimentation Pond #2 (including associated drainage features)
2. Pump House
3. Office Building
4. Bath House
5. Warehouse
6. Shop
7. Chain Link Fence
8. Building Pads
9. Parking Lot
10. Powder Magazine
11. Cap Magazine
12. Water Tank
13. Portal Pad

EXHIBIT F
to
Asset Assignment Agreement

QUIT-CLAIM DEED

WHEN RECORDED, RETURN TO:

Ryan Thomas
College of Eastern Utah
451 East 400 North
Price, Utah 84501

Quit-Claim Deed

UTAHAMERICAN ENERGY, INC., a Utah corporation, having an address of P.O. Box 986, Price, Utah 84501 ("Grantor"), for TEN DOLLARS ($10.00) and other good and valuable consideration, receipt of which is hereby acknowledged, hereby conveys and quitclaims to the COLLEGE OF EASTERN UTAH FOUNDATION, a Utah Non-Profit Corporation, having an address of 451 East 400 North, Price, Utah 84501 ("Grantee"), all of its rights, title and interest in the lands in Emery County, Utah, described in Schedule "A" hereto, including the buildings and surface facilities described at Schedule B hereto. The conveyance provided for herein shall not include any rights to water or water shares in connection with said real property.

Grantor reserves such easements and rights of way as necessary for Grantor and its employees and representatives to i) access certain water rights located on said real property and to construct and operate water pipelines and diversionary facilities thereon and compliance as necessary; and ii) to access said real property to conduct environmental compliance, monitoring and reclamation activities.

This instrument is executed and delivered pursuant to that certain Asset Assignment Agreement between the parties dated as of September 13, 2005, the terms and conditions of which shall survive the execution and delivery of this instrument.

DATED this 13 day of September, 2005.

GRANTOR:

UTAHAMERICAN ENERGY, INC.

By Robert G. Murray
Its Director

STATE OF OHIO)
: ss.
COUNTY OF BELMONT)

The foregoing instrument was acknowledged before me this 15th day of July, 2005, by Robert E. Murray on behalf of UtahAmerican Energy, Inc.

Denise L. Jackson
Notary Public
Residing at: 62838 McMillan Rd.
Barnesville, OH 43713

My Commission Expires:

[illegible] 05

SCHEDULE "A"
to
Quit-claim Deed

EMERY COUNTY LANDS

Surface Only:

Township 16 South, Range 14 East:

Section 3: Lots 1, 3, 7, 8, 11 (176.13 acres)
Section 4: NW1/4SE1/4, SE1/4SE1/4 (80 acres)
Section 9: NW1/4NE1/4, SE1/4NE1/4, NE1/4SE1/4 (120 acres)

Fee Simple:

Township 16 South, Range 14 East

Section 3: Lots 5, 6, 12, NW1/4SW1/4, S1/2SW1/4 (240 acres)
Section 4: Lots 8, 9, NE1/4SE1/4, SW1/4SE1/4 (160 acres)

CARBON COUNTY LANDS

Surface Only:

Township 15 South, Range 14 East:

Section 33: S1/2SE1/4 (80 acres)
Section 34: SW1/4SW1/4 (40 acres

SCHEDULE "B"
to
Quit-claim Deed

Buildings and Surface Facilities

1. Sedimentation Pond #2 (including associated drainage features)
2. Pump House
3. Office Building
4. Bath House
5. Warehouse
6. Shop
7. Chain Link Fence
8. Building Pads
9. Parking Lot
10. Powder Magazine
11. Cap Magazine
12. Water Tank
13. Portal Pad

EXHIBIT G
to
Asset Assignment Agreement

WATER RIGHTS DEED

WHEN RECORDED, RETURN TO:

Ryan Thomas
College of Eastern Utah
451 East 400 North
Price, Utah 84501

Water Rights Deed

UTAHAMERICAN ENERGY, INC., a Utah corporation, having an address of P.O. Box 986, Price, Utah 84501 ("Grantor"), for TEN DOLLARS ($10.00) and other good and valuable consideration, receipt of which is hereby acknowledged, hereby conveys and quitclaims to the COLLEGE OF EASTERN UTAH FOUNDATION, a Utah Non-Profit Corporation, having an address of 451 East 400 North, Price, Utah 84501 ("Grantee"), all of Grantor's rights, title and interests in and to the following described water rights, whose points of diversion and place of use are located in Emery County, State of Utah:

1. Water Right No. 91-183: Certificate of Appropriation of Water No. 4592, Application No. 20888, filed July 22, 1949, Water Users Claim 91-183, dated August 30, 1952, recorded in Book C of Water Rights at Page 259 in the office of the Emery County Recorder, appropriating eighty thousandths second feet (.08 cfs) from Horse Canyon Creek, at a point of diversion located South 910 feet West 1305 feet from the East ¼ Corner, Section 4, Township 16 South, Range 14 East, SLBM, Emery County, Utah, for the period from January 1 to December 31, inclusive, for industrial and domestic uses.

2. Water Right No. 91-5084, to appropriate for mining and other uses 5.0 acre-feet of water from Redden Spring, located at a point South 2145 feet and West 330 feet from the NE Corner of Section 3, Township 16 South, Range 14 East, SLBM.

Grantor expressly reserves and retains the use of said water rights for mining and water replacement purposes and reserves all other water and water rights not specifically herein conveyed.

This instrument is executed and delivered pursuant to that certain Asset Assignment Agreement between the parties dated as of September 13, 2005, the terms and conditions of which shall survive the execution and delivery of this instrument.

DATED this 13 day of September, 2005.

GRANTOR:

UtahAmerican Energy, Inc.

By Robert E. Murray
Its Director

STATE OF OHIO)
: ss.
COUNTY OF BELMONT)

The foregoing instrument was acknowledged before me this 15th day of July, 2005, by Robert E. Murray on behalf of UtahAmerican Energy, Inc.

Denise M. Jackson
Notary Public
Residing at: 62838 McMillan Rd.
Barnesville, OH 43713

My Commission Expires:

[redacted]

UtahAmerican Energy, Inc.

Lila Canyon Project
P. O. Box 986, Price, Utah 84501
Phone: (435) 888-4000
(435) 650-3157
Fax: (435) 888-4002

January 21, 2008

Mr. Josiah K. Eardley
2433 S Highway 10
Route 1, Box 119
Price, Utah 84501

Re: Phase III Bond Release, Horse Canyon Mine, DOGM Permit C\007\013

Dear Mr. Eardley,

In accordance with the requirements of R645-301-880.120, UtahAmerican Energy, Inc. (UAE) is notifying the surface land owners and local government body within and adjacent to the Horse Canyon Mine of intention to seek Phase III bond release on those disturbed lands approved for reclamation, and on lands donated to the College of Eastern Utah. The land is described on the attached public notice.

The Phase III bond release application is for Surety #4892 for $1,061,328 and covers a total of 91.97 acres, including 16.18 acres donated to the College of Eastern Utah Foundation. The areas donated to the College of Eastern Utah are covered under an approved post mine land use change, from Wildlife to Residential/Recreation. After Phase III 0.49 acres in Surety #4892 for $5,000 will remain for the Road Junction Refuse Pile channel.

Reclamation of the 51.65 remaining acres was completed in 1991, and meets the requirements of the regulations for post mine land use of Wildlife Habitat, including stabilization of lands, restoration of drainages, and vegetation establishment. After the 1991 reclamation, storm damaged the Road Junction Refuse Pile channel requiring channel repairs including an access road to the channel for a total of 0.49 acres which will remain under Surety #4892.

In summary:
51.56 (acres included in Phase I and Phase II bond releases)
16.18 (acres donated to CEU)
.02 (bridge abutments within Emery County Road ROW)
24.21 (acres included in the Emery County road right of Way)
91.97 Acres

Comments from the legal or equitable owner of record of the surface areas to be affected and from the Federal, Utah and local government agencies should be mailed to: Utah Division of Oil, Gas and Mining, Attention: Pamela Grubaugh-Littig, Permit Supervisor, 1594 West North Temple, Suite 1210, P.O. Box 145801, Salt Lake City, Utah 84114-5801.

If you have any questions or need additional information, please do not hesitate to contact me at (435) 888-4007, or Pamela Grubaugh-Littig at (801) 538-5268.

Sincerely,

Jay Marshall
Chief Engineer/Project Manager

Enclosure

UtahAmerican Energy, Inc.

Lila Canyon Project
P. O. Box 986, Price, Utah 84501
Phone: (435) 888-4000
(435) 650-3157
Fax: (435) 888-4002

January 21, 2008

Mr. Orlando LaFontaine, Mayor
East Carbon City
101 West Geneva Dr.
East Carbon, utah 84520

Re: Phase III Bond Release, Horse Canyon Mine, DOGM Permit C\007\013

Dear Mayor LaFontaine,

In accordance with the requirements of R645-301-880.120, UtahAmerican Energy, Inc. (UAE) is notifying the surface land owners and local government body within and adjacent to the Horse Canyon Mine of intention to seek Phase III bond release on those disturbed lands approved for reclamation, and on lands donated to the College of Eastern Utah. The land is described on the attached public notice.

The Phase III bond release application is for Surety #4892 for $1,061,328 and covers a total of 91.97 acres, including 16.18 acres donated to the College of Eastern Utah Foundation. The areas donated to the College of Eastern Utah are covered under an approved post mine land use change, from Wildlife to Residential/Recreation. After Phase III 0.49 acres in Surety #4892 for $5,000 will remain for the Road Junction Refuse Pile channel.

Reclamation of the 51.65 remaining acres was completed in 1991, and meets the requirements of the regulations for post mine land use of Wildlife Habitat, including stabilization of lands, restoration of drainages, and vegetation establishment. After the 1991 reclamation, storm damaged the Road Junction Refuse Pile channel requiring channel repairs including an access road to the channel for a total of 0.49 acres which will remain under Surety #4892.

In summary:
51.56 (acres included in Phase I and Phase II bond releases)
16.18 (acres donated to CEU)
.02 (bridge abutments within Emery County Road ROW)
24.21 (acres included in the Emery County road right of Way)
91.97 Acres

Comments from the legal or equitable owner of record of the surface areas to be affected and from the Federal, Utah and local government agencies should be mailed to: Utah Division of Oil, Gas and Mining, Attention: Pamela Grubaugh-Littig, Permit Supervisor, 1594 West North Temple, Suite 1210, P.O. Box 145801, Salt Lake City, Utah 84114-5801.

If you have any questions or need additional information, please do not hesitate to contact me at (435) 888-4007, or Pamela Grubaugh-Littig at (801) 538-5268.

Sincerely,

Jay Marshall
Chief Engineer/Project Manager

Enclosure

UtahAmerican Energy, Inc.

Lila Canyon Project
P. O. Box 986, Price, Utah 84501
Phone: (435) 888-4000
(435) 650-3157
Fax: (435) 888-4002

January 21, 2008

Mr. Drew Sitterud
Emery County Commission
95 East Main Street
Castle Dale, utah 84112

Re: Phase III Bond Release, Horse Canyon Mine, DOGM Permit C\007\013

Dear Mr. Sitterud,

In accordance with the requirements of R645-301-880.120, UtahAmerican Energy, Inc. (UAE) is notifying the surface land owners and local government body within and adjacent to the Horse Canyon Mine of intention to seek Phase III bond release on those disturbed lands approved for reclamation, and on lands donated to the College of Eastern Utah. The land is described on the attached public notice.

The Phase III bond release application is for Surety #4892 for $1,061,328 and covers a total of 91.97 acres, including 16.18 acres donated to the College of Eastern Utah Foundation. The areas donated to the College of Eastern Utah are covered under an approved post mine land use change, from Wildlife to Residential/Recreation. After Phase III 0.49 acres in Surety #4892 for $5,000 will remain for the Road Junction Refuse Pile channel.

Reclamation of the 51.65 remaining acres was completed in 1991, and meets the requirements of the regulations for post mine land use of Wildlife Habitat, including stabilization of lands, restoration of drainages, and vegetation establishment. After the 1991 reclamation, storm damaged the Road Junction Refuse Pile channel requiring channel repairs including an access road to the channel for a total of 0.49 acres which will remain under Surety #4892.

In summary:
51.56 (acres included in Phase I and Phase II bond releases)
16.18 (acres donated to CEU)
.02 (bridge abutments within Emery County Road ROW)
24.21 (acres included in the Emery County road right of Way)
91.97 Acres

Comments from the legal or equitable owner of record of the surface areas to be affected and from the Federal, Utah and local government agencies should be mailed to: Utah Division of Oil, Gas and Mining, Attention: Pamela Grubaugh-Littig, Permit Supervisor, 1594 West North Temple, Suite 1210, P.O. Box 145801, Salt Lake City, Utah 84114-5801.

If you have any questions or need additional information, please do not hesitate to contact me at (435) 888-4007, or Pamela Grubaugh-Littig at (801) 538-5268.

Sincerely,

Jay Marshall
Chief Engineer/Project Manager

Enclosure

UtahAmerican Energy, Inc.

Lila Canyon Project
P. O. Box 986, Price, Utah 84501
Phone: (435) 888-4000
(435) 650-3157
Fax: (435) 888-4002

January 21, 2008

Emery County Planning & Zoning Commission
PO Box 727
75 East Main St.
Castle Dale, utah 84513

Re: Phase III Bond Release, Horse Canyon Mine, DOGM Permit C\007\013

To Whom It May concern,

In accordance with the requirements of R645-301-880.120, UtahAmerican Energy, Inc. (UAE) is notifying the surface land owners and local government body within and adjacent to the Horse Canyon Mine of intention to seek Phase III bond release on those disturbed lands approved for reclamation, and on lands donated to the College of Eastern Utah. The land is described on the attached public notice.

The Phase III bond release application is for Surety #4892 for $1,061,328 and covers a total of 91.97 acres, including 16.18 acres donated to the College of Eastern Utah Foundation. The areas donated to the College of Eastern Utah are covered under an approved post mine land use change, from Wildlife to Residential/Recreation. After Phase III 0.49 acres in Surety #4892 for $5,000 will remain for the Road Junction Refuse Pile channel.

Reclamation of the 51.65 remaining acres was completed in 1991, and meets the requirements of the regulations for post mine land use of Wildlife Habitat, including stabilization of lands, restoration of drainages, and vegetation establishment. After the 1991 reclamation, storm damaged the Road Junction Refuse Pile channel requiring channel repairs including an access road to the channel for a total of 0.49 acres which will remain under Surety #4892.

In summary:
51.56 (acres included in Phase I and Phase II bond releases)
16.18 (acres donated to CEU)
.02 (bridge abutments within Emery County Road ROW)
24.21 (acres included in the Emery County road right of Way)
91.97 Acres

Comments from the legal or equitable owner of record of the surface areas to be affected and from the Federal, Utah and local government agencies should be mailed to: Utah Division of Oil, Gas and Mining, Attention: Pamela Grubaugh-Littig, Permit Supervisor, 1594 West North Temple, Suite 1210, P.O. Box 145801, Salt Lake City, Utah 84114-5801.

If you have any questions or need additional information, please do not hesitate to contact me at (435) 888-4007, or Pamela Grubaugh-Littig at (801) 538-5268.

Sincerely,

Jay Marshall
Chief Engineer/Project Manager

Enclosure

UtahAmerican Energy, Inc.

Lila Canyon Project
P. O. Box 986, Price, Utah 84501
Phone: (435) 888-4000
(435) 650-3157
Fax: (435) 888-4002

January 21, 2008

Department of Natural Resources
Division of Sovereign Lands & Forestry
1594 W. North Temple, Suite 3520
P.O. Box 145703
Salt Lake City, Utah 84114-5703

Re: Phase III Bond Release, Horse Canyon Mine, DOGM Permit C\007\013

Dear Sirs,

In accordance with the requirements of R645-301-880.120, UtahAmerican Energy, Inc. (UAE) is notifying the surface land owners and local government body within and adjacent to the Horse Canyon Mine of intention to seek Phase III bond release on those disturbed lands approved for reclamation, and on lands donated to the College of Eastern Utah. The land is described on the attached public notice.

The Phase III bond release application is for Surety #4892 for $1,061,328 and covers a total of 91.97 acres, including 16.18 acres donated to the College of Eastern Utah Foundation. The areas donated to the College of Eastern Utah are covered under an approved post mine land use change, from Wildlife to Residential/Recreation. After Phase III 0.49 acres in Surety #4892 for $5,000 will remain for the Road Junction Refuse Pile channel.

Reclamation of the 51.65 remaining acres was completed in 1991, and meets the requirements of the regulations for post mine land use of Wildlife Habitat, including stabilization of lands, restoration of drainages, and vegetation establishment. After the 1991 reclamation, storm damaged the Road Junction Refuse Pile channel requiring channel repairs including an access road to the channel for a total of 0.49 acres which will remain under Surety #4892.

In summary:
51.56 (acres included in Phase I and Phase II bond releases)
16.18 (acres donated to CEU)
.02 (bridge abutments within Emery County Road ROW)
24.21 (acres included in the Emery County road right of Way)
91.97 Acres

Comments from the legal or equitable owner of record of the surface areas to be affected and from the Federal, Utah and local government agencies should be mailed to: Utah Division of Oil, Gas and Mining, Attention: Pamela Grubaugh-Littig, Permit Supervisor, 1594 West North Temple, Suite 1210, P.O. Box 145801, Salt Lake City, Utah 84114-5801.

If you have any questions or need additional information, please do not hesitate to contact me at (435) 888-4007, or Pamela Grubaugh-Littig at (801) 538-5268.

Sincerely,

Jay Marshall
Chief Engineer/Project Manager

Enclosure

UtahAmerican Energy, Inc.

Lila Canyon Project
P. O. Box 986, Price, Utah 84501
Phone: (435) 888-4000
(435) 650-3157
Fax: (435) 888-4002

January 21, 2008

Mr. Bruce Andrews, Mayor
Sunnyside City
701 Market St.
Sunnyside, Utah 84539

Re: Phase III Bond Release, Horse Canyon Mine, DOGM Permit C\007\013

Dear Mayor Andrews,

In accordance with the requirements of R645-301-880.120, UtahAmerican Energy, Inc. (UAE) is notifying the surface land owners and local government body within and adjacent to the Horse Canyon Mine of intention to seek Phase III bond release on those disturbed lands approved for reclamation, and on lands donated to the College of Eastern Utah. The land is described on the attached public notice.

The Phase III bond release application is for Surety #4892 for $1,061,328 and covers a total of 91.97 acres, including 16.18 acres donated to the College of Eastern Utah Foundation. The areas donated to the College of Eastern Utah are covered under an approved post mine land use change, from Wildlife to Residential/Recreation. After Phase III 0.49 acres in Surety #4892 for $5,000 will remain for the Road Junction Refuse Pile channel.

Reclamation of the 51.65 remaining acres was completed in 1991, and meets the requirements of the regulations for post mine land use of Wildlife Habitat, including stabilization of lands, restoration of drainages, and vegetation establishment. After the 1991 reclamation, storm damaged the Road Junction Refuse Pile channel requiring channel repairs including an access road to the channel for a total of 0.49 acres which will remain under Surety #4892.

In summary:
51.56 (acres included in Phase I and Phase II bond releases)
16.18 (acres donated to CEU)
.02 (bridge abutments within Emery County Road ROW)
24.21 (acres included in the Emery County road right of Way)
91.97 Acres

Comments from the legal or equitable owner of record of the surface areas to be affected and from the Federal, Utah and local government agencies should be mailed to: Utah Division of Oil, Gas and Mining, Attention: Pamela Grubaugh-Littig, Permit Supervisor, 1594 West North Temple, Suite 1210, P.O. Box 145801, Salt Lake City, Utah 84114-5801.

If you have any questions or need additional information, please do not hesitate to contact me at (435) 888-4007, or Pamela Grubaugh-Littig at (801) 538-5268.

Sincerely,

Jay Marshall
Chief Engineer/Project Manager

Enclosure

UtahAmerican Energy, Inc.

Lila Canyon Project
P. O. Box 986, Price, Utah 84501
Phone: (435) 888-4000
(435) 650-3157
Fax: (435) 888-4002

January 21, 2008

Mr. Dave Stokes
Bronco Coal Company
340 South Carbon Ave. Suite 126
Price, utah 84501

Re: Phase III Bond Release, Horse Canyon Mine, DOGM Permit C\007\013

Dear Mr. Stokes,

In accordance with the requirements of R645-301-880.120, UtahAmerican Energy, Inc. (UAE) is notifying the surface land owners and local government body within and adjacent to the Horse Canyon Mine of intention to seek Phase III bond release on those disturbed lands approved for reclamation, and on lands donated to the College of Eastern Utah. The land is described on the attached public notice.

The Phase III bond release application is for Surety #4892 for $1,061,328 and covers a total of 91.97 acres, including 16.18 acres donated to the College of Eastern Utah Foundation. The areas donated to the College of Eastern Utah are covered under an approved post mine land use change, from Wildlife to Residential/Recreation. After Phase III 0.49 acres in Surety #4892 for $5,000 will remain for the Road Junction Refuse Pile channel.

Reclamation of the 51.65 remaining acres was completed in 1991, and meets the requirements of the regulations for post mine land use of Wildlife Habitat, including stabilization of lands, restoration of drainages, and vegetation establishment. After the 1991 reclamation, storm damaged the Road Junction Refuse Pile channel requiring channel repairs including an access road to the channel for a total of 0.49 acres which will remain under Surety #4892.

In summary:
51.56 (acres included in Phase I and Phase II bond releases)
16.18 (acres donated to CEU)
.02 (bridge abutments within Emery County Road ROW)
24.21 (acres included in the Emery County road right of Way)
91.97 Acres

Comments from the legal or equitable owner of record of the surface areas to be affected and from the Federal, Utah and local government agencies should be mailed to: Utah Division of Oil, Gas and Mining, Attention: Pamela Grubaugh-Littig, Permit Supervisor, 1594 West North Temple, Suite 1210, P.O. Box 145801, Salt Lake City, Utah 84114-5801.

If you have any questions or need additional information, please do not hesitate to contact me at (435) 888-4007, or Pamela Grubaugh-Littig at (801) 538-5268.

Sincerely,

Jay Marshall
Chief Engineer/Project Manager

Enclosure

UtahAmerican Energy, Inc.

Lila Canyon Project
P. O. Box 986, Price, Utah 84501
Phone: (435) 888-4000
(435) 650-3157
Fax: (435) 888-4002

January 21, 2008

Mr. Bill Krompel
Carbon County Commission
120 East Main St.
Price, utah 84501

Re: Phase III Bond Release, Horse Canyon Mine, DOGM Permit C\007\013

Dear Commissioner Krompel,

In accordance with the requirements of R645-301-880.120, UtahAmerican Energy, Inc. (UAE) is notifying the surface land owners and local government body within and adjacent to the Horse Canyon Mine of intention to seek Phase III bond release on those disturbed lands approved for reclamation, and on lands donated to the College of Eastern Utah. The land is described on the attached public notice.

The Phase III bond release application is for Surety #4892 for $1,061,328 and covers a total of 91.97 acres, including 16.18 acres donated to the College of Eastern Utah Foundation. The areas donated to the College of Eastern Utah are covered under an approved post mine land use change, from Wildlife to Residential/Recreation. After Phase III 0.49 acres in Surety #4892 for $5,000 will remain for the Road Junction Refuse Pile channel.

Reclamation of the 51.65 remaining acres was completed in 1991, and meets the requirements of the regulations for post mine land use of Wildlife Habitat, including stabilization of lands, restoration of drainages, and vegetation establishment. After the 1991 reclamation, storm damaged the Road Junction Refuse Pile channel requiring channel repairs including an access road to the channel for a total of 0.49 acres which will remain under Surety #4892.

In summary:
51.56 (acres included in Phase I and Phase II bond releases)
16.18 (acres donated to CEU)
.02 (bridge abutments within Emery County Road ROW)
24.21 (acres included in the Emery County road right of Way)
91.97 Acres

Comments from the legal or equitable owner of record of the surface areas to be affected and from the Federal, Utah and local government agencies should be mailed to: Utah Division of Oil, Gas and Mining, Attention: Pamela Grubaugh-Littig, Permit Supervisor, 1594 West North Temple, Suite 1210, P.O. Box 145801, Salt Lake City, Utah 84114-5801.

If you have any questions or need additional information, please do not hesitate to contact me at (435) 888-4007, or Pamela Grubaugh-Littig at (801) 538-5268.

Sincerely,

Jay Marshall
Chief Engineer/Project Manager

Enclosure

UtahAmerican Energy, Inc.

Lila Canyon Project
P. O. Box 986, Price, Utah 84501
Phone: (435) 888-4000
(435) 650-3157
Fax: (435) 888-4002

January 21, 2008

College of Eastern Utah Foundation
451 East 400 north
Price, Utah 84501

Re: Phase III Bond Release, Horse Canyon Mine, DOGM Permit C\007\013

To Whom it May concern,

In accordance with the requirements of R645-301-880.120, UtahAmerican Energy, Inc. (UAE) is notifying the surface land owners and local government body within and adjacent to the Horse Canyon Mine of intention to seek Phase III bond release on those disturbed lands approved for reclamation, and on lands donated to the College of Eastern Utah. The land is described on the attached public notice.

The Phase III bond release application is for Surety #4892 for $1,061,328 and covers a total of 91.97 acres, including 16.18 acres donated to the College of Eastern Utah Foundation. The areas donated to the College of Eastern Utah are covered under an approved post mine land use change, from Wildlife to Residential/Recreation. After Phase III 0.49 acres in Surety #4892 for $5,000 will remain for the Road Junction Refuse Pile channel.

Reclamation of the 51.65 remaining acres was completed in 1991, and meets the requirements of the regulations for post mine land use of Wildlife Habitat, including stabilization of lands, restoration of drainages, and vegetation establishment. After the 1991 reclamation, storm damaged the Road Junction Refuse Pile channel requiring channel repairs including an access road to the channel for a total of 0.49 acres which will remain under Surety #4892.

In summary:
51.56 (acres included in Phase I and Phase II bond releases)
16.18 (acres donated to CEU)
.02 (bridge abutments within Emery County Road ROW)
24.21 (acres included in the Emery County road right of Way)
91.97 Acres

Comments from the legal or equitable owner of record of the surface areas to be affected and from the Federal, Utah and local government agencies should be mailed to: Utah Division of Oil, Gas and Mining, Attention: Pamela Grubaugh-Littig, Permit Supervisor, 1594 West North Temple, Suite 1210, P.O. Box 145801, Salt Lake City, Utah 84114-5801.

If you have any questions or need additional information, please do not hesitate to contact me at (435) 888-4007, or Pamela Grubaugh-Littig at (801) 538-5268.

Sincerely,

Jay Marshall
Chief Engineer/Project Manager

Enclosure

UtahAmerican Energy, Inc.

Lila Canyon Project
P. O. Box 986, Price, Utah 84501
Phone: (435) 888-4000
(435) 650-3157
Fax: (435) 888-4002

January 21, 2008

Mr. Darrel Lemaster
Castle Valley Special Service District
86 South 100 East
Castle Dale, utah 84513

Re: Phase III Bond Release, Horse Canyon Mine, DOGM Permit C\007\013

Dear Mr. Lemaster,

In accordance with the requirements of R645-301-880.120, UtahAmerican Energy, Inc. (UAE) is notifying the surface land owners and local government body within and adjacent to the Horse Canyon Mine of intention to seek Phase III bond release on those disturbed lands approved for reclamation, and on lands donated to the College of Eastern Utah. The land is described on the attached public notice.

The Phase III bond release application is for Surety #4892 for $1,061,328 and covers a total of 91.97 acres, including 16.18 acres donated to the College of Eastern Utah Foundation. The areas donated to the College of Eastern Utah are covered under an approved post mine land use change, from Wildlife to Residential/Recreation. After Phase III 0.49 acres in Surety #4892 for $5,000 will remain for the Road Junction Refuse Pile channel.

Reclamation of the 51.65 remaining acres was completed in 1991, and meets the requirements of the regulations for post mine land use of Wildlife Habitat, including stabilization of lands, restoration of drainages, and vegetation establishment. After the 1991 reclamation, storm damaged the Road Junction Refuse Pile channel requiring channel repairs including an access road to the channel for a total of 0.49 acres which will remain under Surety #4892.

In summary:
51.56 (acres included in Phase I and Phase II bond releases)
16.18 (acres donated to CEU)
.02 (bridge abutments within Emery County Road ROW)
24.21 (acres included in the Emery County road right of Way)
91.97 Acres

Comments from the legal or equitable owner of record of the surface areas to be affected and from the Federal, Utah and local government agencies should be mailed to: Utah Division of Oil, Gas and Mining, Attention: Pamela Grubaugh-Littig, Permit Supervisor, 1594 West North Temple, Suite 1210, P.O. Box 145801, Salt Lake City, Utah 84114-5801.

If you have any questions or need additional information, please do not hesitate to contact me at (435) 888-4007, or Pamela Grubaugh-Littig at (801) 538-5268.

Sincerely,

Jay Marshall
Chief Engineer/Project Manager

Enclosure

Appendix III-1-3

Public Notice

Public Notice

Application for Phase III Bond Release

Horse Canyon Mine
UtahAmerican Energy , Inc.
Permit C/007/013, Renewed 5/6/2006
Emery County, Utah

Notice is hereby given that UtahAmerican Energy, Inc., 153 Highway 7 South, Powhatan Point, Ohio 43942, with R. Jay Marshall as Resident Agent, P.O. Box 986, Price, Utah 84501, has filed an application with the Utah Department of Natural Resources, Division of Oil, Gas and Mining for a Phase III bond release on all disturbed lands currently in Permit C/007/013 pursuant to R645-301-880 and R645-301-400 of the Utah Coal Program Regulations. The permit area is shown on the Cedar and Lila Point U.S. Geological Survey 7.5-minute Quadrangle maps. The permit area affected is located in Emery County and Carbon County, Utah as follows:

Township 16 South, Range 14 East, Salt Lake Base & Meridian

Section 3

Lot 1, 2, 3, 5, 6, 7, 8, 9, 11, 12, N2SW4SW4, SW4SE4, NW4SW4, NE4SW4, N2SE4
SE4SE4

Section 4

SE4NE4, S2SW4, S2SE4NE4, SE4, Lot 9

Section 5

S2SE4SE4

Section 8

NE4NE4

Section 9

NW4NW4, NE4NW4, NW4NE4

The Phase III bond release application is for Surety #4892 for $1,061,328 and covers a total of 91.97 acres. Bond will be retained on approximately .49 acres to cover a small channel. The total amount of bond that will be retained is $5,000, the remainder $1,056,328 on the disturbed acres which meet the requirements of the regulations for post mine land use of Wildlife Habitat, including stabilization of lands, restoration of drainages, and vegetation establishment and will be released.

Reclamation of 51.56 acres was completed in 1991 and were included in Phase I and Phase II bond release. The bond release application includes 16.18 acres donated to the College of Eastern Utah Foundation and are covered under an approved post mine land use change, from Wildlife to Residential/Recreation. In addition the .02 acres within the Emery County Road right of way is included in bond release. The public road known as "The Range Creek Road" (24.21 acres) is included in Phase III bond release and will not be reclaimed.

In summary:

51.56 (acres included in Phase I and Phase II bond release)
16.18 (acres donated to the College of Eastern Utah)
.02 (acres bridge abutments within the Emery County Road right of way)
24.21 (acres included in the Emery County Road Right of Way)
91.97Acres

After Phase III Bond Release .49 acres associated with the channel area will remain.
In addition, 6.5 acres identified as disturbed, was never disturbed, therefore will be removed from the disturbed area.

Written comments, objections and requests for an informal conference on this proposal may be addressed to:

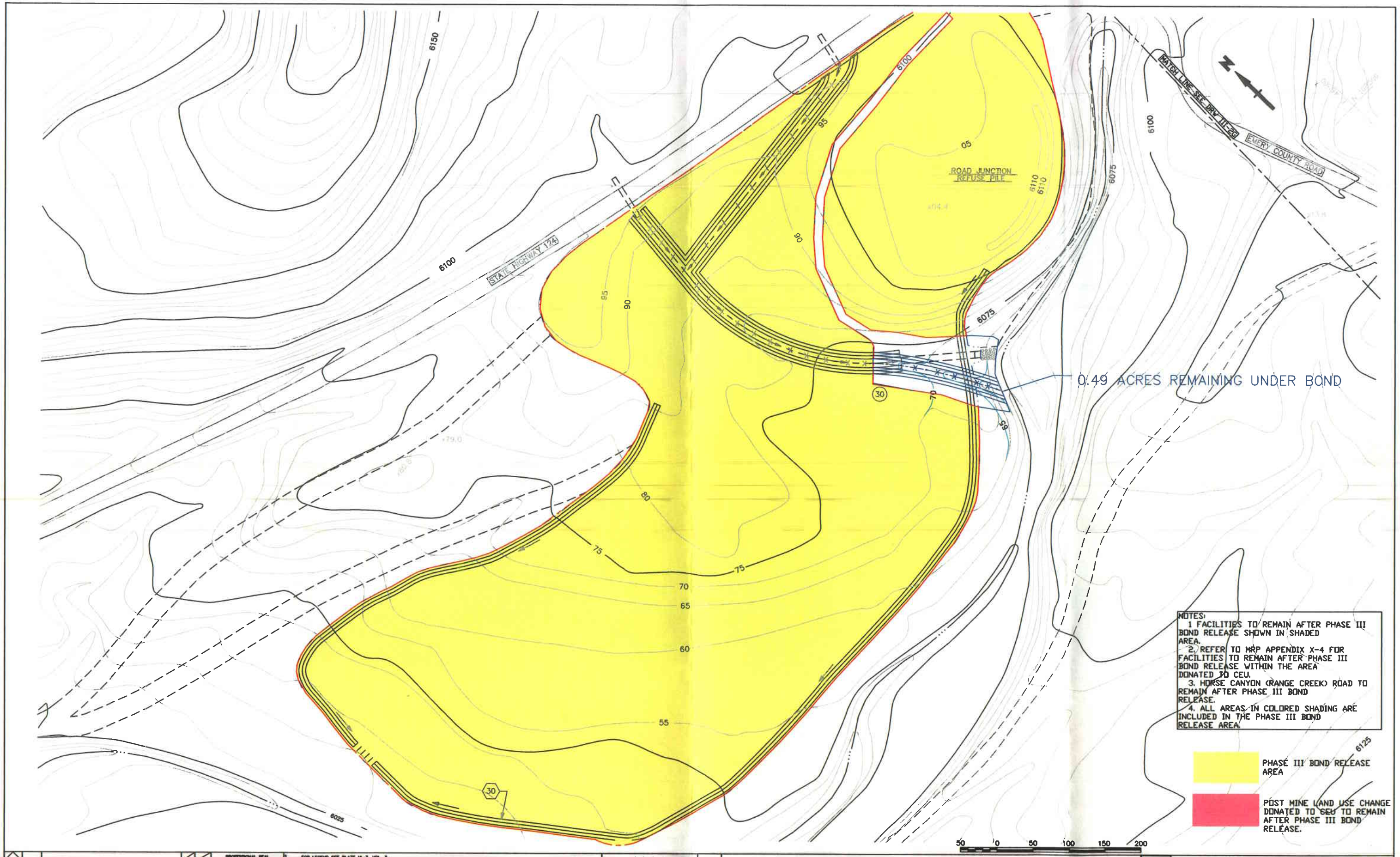
Utah Coal Program
Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Salt Lake City, Utah 84114-5801

Closing date for submission of such comments, objections and requests for an informal conference on this proposal must be submitted by _____.

Published in the Sun Advocate - _____, and the Emery County Progress - _____.

Appendix III-1-4

Plates III-2A through III-2G



NOTES:
1 FACILITIES TO REMAIN AFTER PHASE III BOND RELEASE SHOWN IN SHADED AREA.
2. REFER TO MRP APPENDIX X-4 FOR FACILITIES TO REMAIN AFTER PHASE III BOND RELEASE WITHIN THE AREA DONATED TO CEU.
3. HORSE CANYON (RANGE CREEK) ROAD TO REMAIN AFTER PHASE III BOND RELEASE.
4. ALL AREAS IN COLORED SHADING ARE INCLUDED IN THE PHASE III BOND RELEASE AREA.

PHASE III BOND RELEASE AREA

POST MINE LAND USE CHANGE DONATED TO CEU TO REMAIN AFTER PHASE III BOND RELEASE.

NO	DATE	REVISION	BY	APP
2	12/06	ADDED NOTES		
1	7/06	ADDED 0.49 ACRE AREA		

PROFESSIONAL SEAL: REGISTERED PROFESSIONAL ENGINEER No. 152006 R. JAY MARSHALL STATE OF UTAH

1. FOR LEGEND SEE PLATE VI-3, VOL. 3.
2. TOPO BASED ON 1985 AERIAL PHOTO BY INTER MOUNTAIN TECHNICAL SERVICES, INC. OF GRAND JUNCTION, COLORADO.
3. DATUM IS 1929 SEA LEVEL.
4. COORDINATE SYSTEM IS KAISER STEEL LOCAL.
5. INTERIUM AND FINAL RECLAMATION TOPOGRAPHY DESIGNED AND DEVELOPED BY ICF KAISER ENGINEERS, INC., 1990-1991.
6. COMPLIANCE TOPOGRAPHY DESIGN AND DEVELOPMENT MODIFIED AND PREPARED BY EARTHFAX ENGINEERING, INC.

NOTES

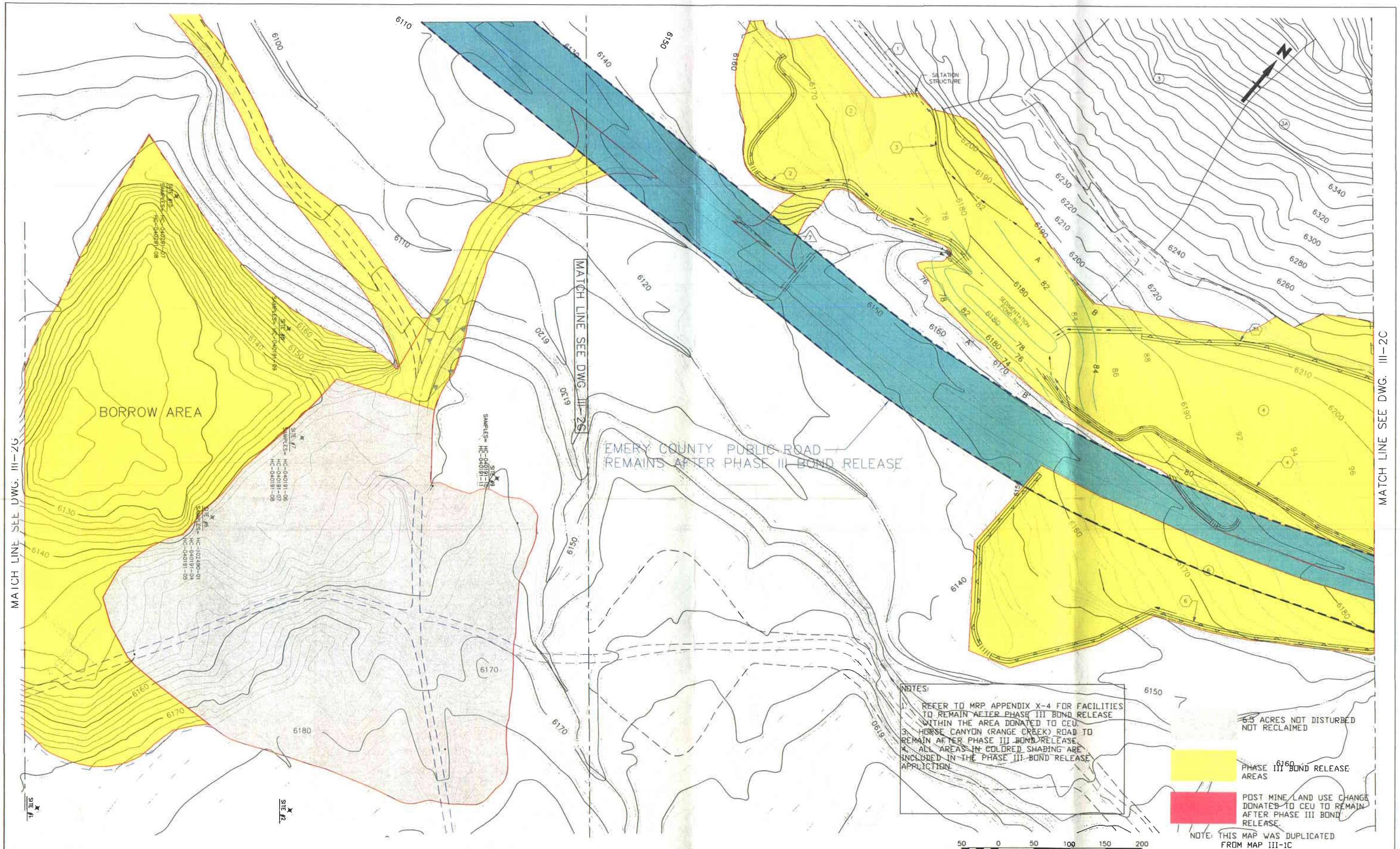
		DATE
SCALE:	AS SHOWN	
DESIGNED BY:		
DRAWN BY:	B.A. GRIMES	10-25-05
CHECKED BY:		
APPROVED BY:		
APPROVED BY:		
BASE MAP:		

UTAHAMERICAN ENERGY, INC.
P.O. BOX 986, PRICE, UTAH 84501

HANSEN, ALLEN & LUCE, INC
Engineers
23 SO. CARBON AVE., Suite 23 - PRICE, UTAH 84501

PHASE III BOND RELEASE AREAS
HORSE CANYON MINE

JOB NO. 304.01.100 | DWG.NO. III-2A | REVISION 2



NOTES:

1. REFER TO MRP APPENDIX X-4 FOR FACILITIES TO REMAIN AFTER PHASE III BOND RELEASE WITHIN THE AREA DONATED TO CEU.
3. HORSE CANYON (RANGE CREEK) ROAD TO REMAIN AFTER PHASE III BOND RELEASE.
4. ALL AREAS IN COLORED SHADING ARE INCLUDED IN THE PHASE III BOND RELEASE APPLICTION.

NO	DATE	REVISION	BY/CH	APP
3	11/06	REVISED COUNTY ROAD NOTE	BG/JM	
2	7/06	ADDED COUNTY ROAD & 6.5 ACRE AREA	BG/JM	
1	10/05	PHASE III BOND RELEASE	BG/JM	

PROFESSIONAL SEAL

REGISTERED PROFESSIONAL ENGINEER No. 152606 R. JAY MARSHALL STATE OF UTAH

1. FOR ADDITIONAL LEGEND SEE PLATE VI-3, VOL. 3.
2. TOPO BASED ON 1985 AERIAL PHOTO BY INTER MOUNTAIN TECHNICAL SERVICES, INC. OF GRAND JUNCTION, COLORADO.
3. DATUM IS 1929 SEA LEVEL.
4. COORDINATE SYSTEM IS KAISER STEEL LOCAL.
5. INTERIM AND FINAL RECLAMATION TOPOGRAPHY DESIGNED AND DEVELOPED BY ICF KAISER ENGINEERS, INC., 1990-1991.
6. COMPLIANCE TOPOGRAPHY DESIGN AND DEVELOPMENT MODIFIED AND PREPARED BY EARTHFAX ENGINEERING, INC.

NOTES

		DATE
SCALE:	AS SHOWN	
DESIGNED BY:		
DRAWN BY:	B.A. GRIMES	10-25-05
CHECKED BY:		
APPROVED BY:		
APPROVED BY:		
BASE MAP:		

UTAHAMERICAN ENERGY, INC.
P.O. BOX 986, PRICE, UTAH 84501

HANSEN, ALLEN & LUCE, INC
Engineers
23 SO. CARBON AVE., Suite 21 - PRICE, UTAH 84501

PHASE III BOND RELEASE AREAS
HORSE CANYON MINE

JOB NO. 304.01.100 | DWG.NO. III-2B | REVISION 3

MATCH LINE SEE DWG. III-2B

MATCH LINE SEE DWG. III-2D

NOTES: 1. THIS MAP BASE WAS DUPLICATED FROM MAP II-2C
2. FACILITIES TO REMAIN AFTER PHASE III BOND RELEAE SHOWN IN SHADED AREAS.
3. REFER TO MRP APPENDIX X-4 FOR FACILITIES TO REMAIN AFTER PHASE III BOND RELEASE WITHIN THE AREA DONATED TO CEU.
4. HORSE CANYON (RANGE CREEK) ROAD TO REMAIN AFTER PHASE III BOND RELEASE.
5. ALL AREAS IN COLORED SHADING ARE INCLUDED IN THE PHASE III BOND RELEASE APPLICATION.

CEU DONATION AREA - 1.44 ACRES
REMAINS AFTER PHASE III BOND RELEASE

PROPOSED DIVERSION

WATERSHED 7A

DIVERSION NO. 5

COUNTY ROAD

LEAVE RIP RAP CULVERT

REMOVE RIP RAP CULVERT

REMOVE SPILLWAY AND DECANTO STRUCTURES. LEAVE RIPRAP.

SEDIMENTATION POND NO. 2 BOT. EL 6232.6

SWALE

REMOVE RIPRAP

REMOVE CULVERT AND RIPRAP

EMERY COUNTY ROAD BRIDGE

EMERY COUNTY PUBLIC ROAD REMAINS AFTER PHASE III BOND RELEASE

0.01 ACRES REMAINING UNDER BOND

EMERY COUNTY BRIDGE ABUTMENT

PHASE III BOND RELEASE AREA

POST MINE LAND USE CHANGE DONATED TO CEU TO REMAIN AFTER PHASE III BOND RELEASE

50 0 50 100 150 200

NO	DATE	REVISION	BY	APP
4				
3	12/06	ADDED NOTES	BK	JM
2	7/06	ADDED COUNTY ROAD	BK	JM
1	10/05	PHASE III BOND RELEASE	BK	JM

PROFESSIONAL SEAL
REGISTERED PROFESSIONAL ENGINEER
No. 152806
R. JAY MARSHALL
STATE OF UTAH

NOTES
1. FOR ADDITIONAL LEGEND SEE PLATE VI-3, VOL. 3.
2. TOPO BASED ON 1985 AERIAL PHOTO BY INTER MOUNTAIN TECHNICAL SERVICES, INC. OF GRAND JUNCTION, COLORADO.
3. DATUM IS 1929 SEA LEVEL.
4. COORDINATE SYSTEM IS KAISER STEEL LOCAL.
5. INTERIM AND FINAL RECLAMATION TOPOGRAPHY DESIGNED AND DEVELOPED BY ICF KAISER ENGINEERS, INC., 1990-1991.
6. COMPLIANCE TOPOGRAPHY DESIGN AND DEVELOPMENT MODIFIED AND PREPARED BY EARTHFAX ENGINEERING, INC.

		DATE
SCALE: AS SHOWN		
DESIGNED BY:		
DRAWN BY:	B.A.GRIMES	10-25-05
CHECKED BY:		
APPROVED BY:		
APPROVED BY:		
BASE MAP:		

UTAHAMERICAN ENERGY, INC.
P.O. BOX 986, PRICE, UTAH 84501

HANSEN, ALLEN & LUCE, INC
Engineers
33 SO. CARBON AVE., Suite 21 - PRICE, UTAH 84501

PHASE III BOND RELEASE AREAS
HORSE CANYON MINE

JOB NO. | DWG.NO. III-2C | REVISION 3

EMERY COUNTY PUBLIC ROAD
REMAINS AFTER PHASE III BOND RELEASE

CHAIN LINK FENCE

EXISTING COUNTY ROAD

WAREHOUSE BLDG.

MACHINE SHOP BLDG.

PUMP HOUSE

MINE OFFICE BLDG.

BATH HOUSE BLDG.

CEU DONATION AREA 10.74 ACRES
REMAINS AFTER PHASE III BOND RELEASE

MATCH LINE SEE DWG III-2C

MATCH LINE SEE DWG III-2E

NOTES:
1. THIS MAP BASE WAS DUPLICATED FROM MAP III-1D.
2. FACILITIES TO REMAIN AFTER PHASE III BOND RELEASE SHOWN IN SHADED AREAS.
3. REFER TO MRP APPENDIX X-4 FOR FACILITIES TO REMAIN AFTER PHASE III BOND RELEASE WITHIN THE AREA DONATED TO CEU.
4. HORSE CANYON (RANGE CREEK) ROAD TO REMAIN AFTER PHASE III BOND RELEASE.
5. ALL AREAS IN COLORED SHADING ARE INCLUDED IN THE PHASE III BOND RELEASE APPLICATION.

PHASE III BOND RELEASE AREA

POST MINE LAND USE CHANGE DONATED TO CEU TO REMAIN AFTER PHASE III BOND RELEASE

NOTE: THIS MAP BASE WAS DUPLICATED FROM MAP III-1D

50 0 50 100 150 200

NO	DATE	REVISION	APP
3	12/08	ADDED NOTES	
2	7/08	ADDED COUNTY ROAD	
1	10/05	PHASE III BOND RELEASE	

PROFESSIONAL SEAL
R. BRIAN P. JAY MARSHALL
REGISTERED PROFESSIONAL ENGINEER STATE OF UTAH

NOTES
1. FOR LEGEND SEE PLATE 1-3, VOL. 3.
2. TOPO BASED ON 1995 AERIAL PHOTO BY INTER MOUNTAIN TECHNICAL SERVICES, INC. OF GRAND JUNCTION, COLORADO.
3. DATUM IS 1929 SEA LEVEL.
4. COORDINATE SYSTEM IS KAISER STEEL LOCAL.
5. INTERIM AND FINAL RECLAMATION TOPOGRAPHY DESIGNED AND DEVELOPED BY KF KAISER ENGINEERS, INC., 1990-1991.
6. COMPLIANCE TOPOGRAPHY DESIGN AND DEVELOPMENT MODIFIED AND PREPARED BY EARTHFAX ENGINEERING, INC.

SCALE: AS SHOWN
DRAWN: B.A. GRIMES
DATE: 10-29-08

UTAHAMERICAN ENERGY, INC.
P.O. BOX 986, PRICE, UTAH 84501

HANSEN, ALLEN & LUCE, INC
Engineers

PHASE III BOND RELEASE AREAS
HORSE CANYON MINE

JOB NO. 304.01.100 | DWG.NO. III-2D | 3

MATCH LINE SEE DWG.III-2D

MATCH LINE SEE DWG.III-2F

N

PORTAL AREA

EMERY COUNTY PUBLIC ROAD
REMAINS AFTER PHASE III BOND RELEASE

CEU DONATION AREA 0.19 ACRES REMAIN
AFTER PHASE III BOND RELEASE

CEU DONATION AREA 2.63 ACRES REMAIN
AFTER PHASE III BOND RELEASE

NOTES:
1. THIS MAP BASE WAS DUPLICATED FROM MAP III-1E.
2. FACILITIES TO REMAIN AFTER PHASE III BOND RELEAE SHOWN IN SHADED AREAS.
3. REFER TO MRP APPENDIX X-4 FOR FACILITIES TO REMAIN AFTER PHASE III BOND RELEASE WITHIN THE AREA DONATED TO CEU.
4. HORSE CANYON (RANGE CREEK) ROAD TO REMAIN AFTER PHASE III BOND RELEASE.
5. ALL AREAS IN COLORED SHADING ARE INCLUDED IN THE PHASE III BOND RELEASE APPLICATION.

PHASE III BOND RELEASE AREA

POST MINE LAND USE CHANGE DONATED TO CEU TO REMAIN AFTER PHASE III BOND RELEASE

50 0 50 100 150 200

NO	DATE	REVISION	BY	APP
3	12/06	ADDED NOTES	BG	JM
2	7/06	ADDED COUNTY ROAD	BG	JM
1	10/05	PHASE III BOND RELEASE	BG	JM

PROFESSIONAL SEAL
REGISTERED PROFESSIONAL ENGINEER
No. 152606
R. JAY MARSHALL
STATE OF UTAH

NOTES

1. FOR ADDITIONAL LEGEND SEE PLATE VI-3, VOL. 3.
2. TOPO BASED ON 1985 AERIAL PHOTO BY INTER MOUNTAIN TECHNICAL SERVICES, INC. OF GRAND JUNCTION, COLORADO.
3. DATUM IS 1929 SEA LEVEL.
4. COORDINATE SYSTEM IS KAISER STEEL LOCAL.
5. INTERIM AND FINAL RECLAMATION TOPOGRAPHY DESIGNED AND DEVELOPED BY ICF KAISER ENGINEERS, INC., 1990-1991.
6. COMPLIANCE TOPOGRAPHY DESIGN AND DEVELOPMENT MODIFIED AND PREPARED BY EARTHFAX ENGINEERING, INC.

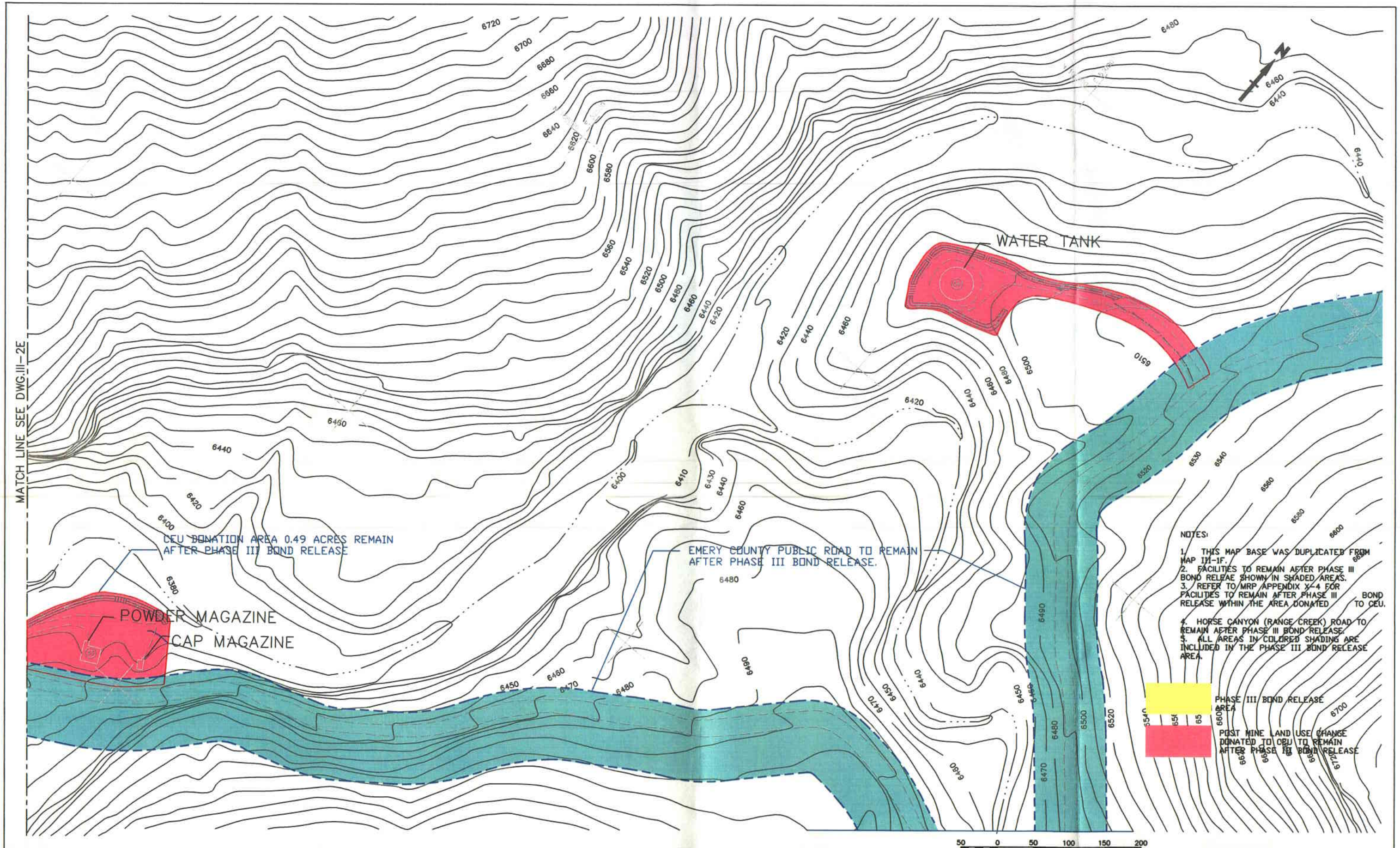
		DATE
SCALE: AS SHOWN		
DESIGNED BY:		
DRAWN BY:	B.A. GRIMES	10-25-05
CHECKED BY:		
APPROVED BY:		
APPROVED BY:		
BASE MAP:		

UTAHAMERICAN ENERGY, INC.
P.O. BOX 986, PRICE, UTAH 84501

HANSEN, ALLEN & LUCE, INC
Engineers
23 SO. CARBON AVE., Suite 21 - PRICE, UTAH 84501

PHASE III BOND RELEASE AREAS
HORSE CANYON MINE

JOB NO. 304.01.100 | DWG.NO. III-2E | REVISION 3



NOTES:

1. THIS MAP BASE WAS DUPLICATED FROM MAP III-1F.
2. FACILITIES TO REMAIN AFTER PHASE III BOND RELEAE SHOWN IN SHADED AREAS.
3. REFER TO MRP APPENDIX X-4 FOR FACILITIES TO REMAIN AFTER PHASE III BOND RELEASE WITHIN THE AREA DONATED TO CEU.
4. HORSE CANYON (RANGE CREEK) ROAD TO REMAIN AFTER PHASE III BOND RELEASE.
5. ALL AREAS IN COLORED SHADING ARE INCLUDED IN THE PHASE III BOND RELEASE AREA.

NO	DATE	REVISION	BY	APP
3	12/06	ADDED NOTES		
2	7/06	ADDED COUNTY ROAD		
1	10/05	PHASE III BOND RELEASE		

PROFESSIONAL SEAL
REGISTERED PROFESSIONAL ENGINEER
No. 162808
R. JAY MARSHALL
STATE OF UTAH

1. FOR ADDITIONAL LEGEND SEE PLATE VI-3, VOL. 3.
2. TOPO BASED ON 1985 AERIAL PHOTO BY INTER MOUNTAIN TECHNICAL SERVICES, INC. OF GRAND JUNCTION, COLORADO.
3. DATUM IS 1929 SEA LEVEL.
4. COORDINATE SYSTEM IS KAISER STEEL LOCAL.
5. INTERIM AND FINAL RECLAMATION TOPOGRAPHY DESIGNED AND DEVELOPED BY ICF KAISER ENGINEERS, INC., 1980-1991.
6. COMPLIANCE TOPOGRAPHY DESIGN AND DEVELOPMENT MODIFIED AND PREPARED BY EARTHFAX ENGINEERING, INC.

NOTES

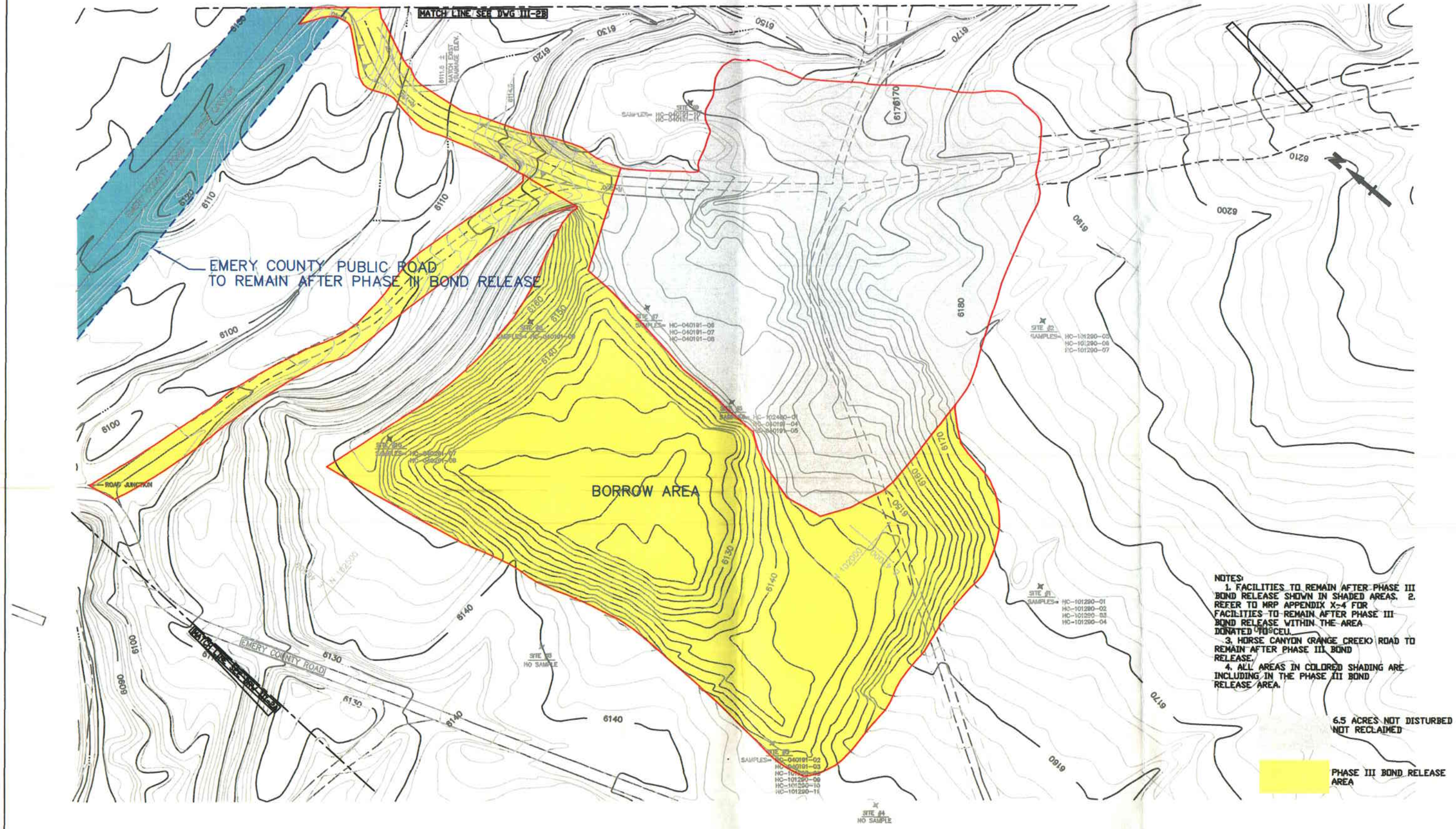
		DATE
SCALE: AS SHOWN		
DESIGNED BY:		
DRAWN BY:	B.A. GRIMES	10-25-05
CHECKED BY:		
APPROVED BY:		
APPROVED BY:		
BASE MAP:		

UTAHAMERICAN ENERGY, INC.
P.O. BOX 986, PRICE, UTAH 84501

HANSEN, ALLEN & LUCE, INC
Engineers
23 SO. CARBON AVE., Suite 21 - PRICE, UTAH 84501

PHASE III BOND RELEASE AREAS
HORSE CANYON MINE

JOB NO. 304.01.100 | DWG.NO. III-2F | REVISION 3



NOTES:
1. FACILITIES TO REMAIN AFTER PHASE III BOND RELEASE SHOWN IN SHADED AREAS. 2. REFER TO MRP APPENDIX X-4 FOR FACILITIES TO REMAIN AFTER PHASE III BOND RELEASE WITHIN THE AREA DONATED TO CEU.
3. HORSE CANYON (RANGE CREEK) ROAD TO REMAIN AFTER PHASE III BOND RELEASE.
4. ALL AREAS IN COLORED SHADING ARE INCLUDING IN THE PHASE III BOND RELEASE AREA.

6.5 ACRES NOT DISTURBED
NOT RECLAIMED

PHASE III BOND RELEASE AREA

NOTE: THIS MAP BASE WAS DUPLICATED FROM MAP III-1G

NO	DATE	REVISION	BY	APP
2	10-98	ADDED NOTES		
1	7-98	ADDED COUNTY ROAD & 6.5 ACRE AREA		

PROFESSIONAL SEAL
R. JAY MARSHALL
STATE OF UTAH

1. FOR LEGEND SEE PLATE V-3, VOL. 3.
2. TOPO BASED ON 1985 AERIAL PHOTO BY INTER MOUNTAIN TECHNICAL SERVICES, INC. OF GRAND JUNCTION, COLORADO.
3. DATUM IS 1929 SEA LEVEL.
4. COORDINATE SYSTEM IS KAISER STEEL LOCAL.
5. INTERIM AND FINAL RECLAMATION TOPOGRAPHY DESIGNED AND DEVELOPED BY ICF KAISER ENGINEERS, INC., 1980-1981.
6. COMPLIANCE TOPOGRAPHY DESIGN AND DEVELOPMENT MODIFIED AND PREPARED BY EARTHFAX ENGINEERING, INC.

NOTES

SCALE: AS SHOWN | DATE
B.A. GRIMES | 9-08

UTAHAMERICAN ENERGY, INC.
P.O. BOX 986, PRICE, UTAH 84501

HANSEN, ALLEN & LUCE, INC
Engineers

PHASE III BOND RELEASE AREAS
HORSE CANYON MINE

JOB NO. 304.01.100 | DWG.NO. III-2G | 2

Appendix III-1-5

Horse Canyon Vegetation Survey 2003

Horse Canyon Vegetation Survey - 2003

Submitted by
Mike King, Ph.D.

April 15, 2004

Abstract

A vegetation inventory was conducted on 6 revegetation sites on the Horse Canyon Mine property between June and August, 2003. Data were collected regarding percent cover, percent cover by species, and woody plant density at each site. Data were also collected from a reference site located on Bureau of Land Management property adjacent to mine property. Revegetated sites were compared to the reference area with respect to cover and woody plant density to determine similarity. All sites cover averages exceed the cover average for the reference site and should be judged to have satisfactorily exceeded minimum requirements with respect to cover. Woody plant density in all revegetated sites exceeded woody plant density in the reference area. Species diversity was also higher in all revegetated areas when compared to the reference area.

Table of Contents

Page

Abstract 2

Table of Contents 3

List of Tables 4

Introduction 5

Materials and Methods 5
- Percent Cover 6
- Woody Plant Density 6
- Species Diversity 7
- Similarity 7

Results 8
- Percent Cover 8
- Woody Plant Density 11
- Species Diversity 13
- Similarity 19

References 21

Appendices 22
- Appendix 1 - Cover Data 22
- Appendix 2 - Shrub Density Data 23
- Appendix 3 - Diversity and Similarity Data 24
- Appendix 4 - Photographs 25
- Appendix 5 - Sloped Areas Cover Data 26

List of Tables

Page

Table 1. Survey Sites and Descriptions 6

Table 2. Minimum Sample Sizes..... 7

Table 3. Horse Canyon Average Cover Summary 9

Table 4. Horse Canyon Average Woody Plant Densities 11

Table 5. Species Lists for Horse Canyon Inventory Area..... 13

Table 6. Species Diversity Tables..... 16

Table 7. Similarity Comparison - Cover..... 20

Introduction

In June of 2003, Dr. Mike King was contacted by UtahAmerican Energy about conducting a vegetation survey on revegetated sites of the Horse Canyon mine site located in eastern Carbon and Emery counties. Meetings were held between Dr. King and Utah American Energy and the Utah Division of Oil, Gas and Mining to discuss and determine the scope of the project. Fieldwork was initiated in June and continued through August 2003. The purpose of the study was to document vegetation condition of a reference area and 6 representative revegetated sites on the Horse Canyon Mine property. It also was conducted to fulfill the sampling requirement for year 9 of reclamation and to substantiate that the vegetation requirements were met for Phase II bond release.

The project was to include vegetation surveys of 6 revegetated sites and a reference area established in 1985 according to Utah Division of Oil, Gas, and Mining (DOGM) permitting requirements. Data collection was to include percent cover, percent cover by species, woody plant density, and species diversity for each site. Similarity indices were to be calculated between revegetated sites and the reference area to determine if the revegetation efforts have satisfactorily met prescribed revegetation standards determined as part of the Horse Canyon Mine reclamation plan.

Vegetative cover was also determined for 5 sloped areas within the revegetated sites. Data from these sites is detailed in Appendix 5.

The information below includes summary and analyses of these vegetation surveys.

Materials and Methods

Six revegetation sites were selected for analysis based on previous survey work conducted on the mine property in 1995 (Table 1). These areas were selected based on revegetation treatment, slope, aspect, and general topographic similarities. The sites correspond to reclamation treatment areas in the horse Canyon Mine reclamation plan. The reference area, located adjacent to the Horse Canyon mine property on Bureau of Land Management land, was selected several years ago as the revegetation plan was established. The Vegetation Surveys were carried out according to the Division of Oil, Gas and Mining (DOGM) vegetation sampling methods (February 1992 Revised DOGM Vegetation Information Guidelines). Data collected during the surveys were used to determine ground cover, cover by species, and woody plant density. A comparison of the reference areas and revegetated areas was made to determine similarity of the 2 areas.

Table 1. Horse Canyon Vegetation Survey Sites*	
Site Number	**Description**
3	North-facing slope
6	South-facing slope
7	Rabbitbrush treatment; South-facing slope
11,13,14	Flat topography near canyon mouth
16	Borrow pit area
15, 17	Former refuse pile and landfill area
Reference Area	Mature Pinon - Juniper Woodland

* See Appendix 3 for photographs of each site

Percent Cover

The point-intercept method was used to sample cover. A total of 15 - 100 ft sampling transects were run at each revegetation site to determine percent cover. Transects were located using coordinates selected from a random number table. Coordinates were paced off and a compass direction was selected using the random number table as well. Once transect start point and compass direction were established, investigators laid out a 100 ft tape in the appropriate direction and then walked the length of the tape to record vegetation. Investigators took samples at 2ft intervals along the length of the tape. A total of 50 points were recorded for each transect. Similar methods were used in the reference area except 30 transects were run rather than 15.

Cover categories included: 1) Physical Features including a) bare ground (rock or soil material less < 12 inches in diameter), b) litter (dead plant material lying on ground surface), c) rock (rock material >12 inches in diameter), 2) Cryptobiotic Soil, 3) Vegetation including a) shrubs b) forbs and succulents (cactus species), c) grasses, and d) trees. When possible, plants were identified to species level. Points were selected by viewing the transect at 2 foot intervals with an ocular viewing device with cross hairs. When there was an overhead canopy, verticle projections were made above the 100 ft tape to include the highest level of vegetation in the sample.

Adequacy of sample size was determined as per DOGM guidelines (DOGM 1992); see

Table 2. Sample adequacy for cover was met at the 90% confidence level with a 10% change in the mean as required by DOGM. Thirty transects were run in the reference area to meet the sample adequacy of 27 and to be consistent with the vegetation surveys conducted in year 5.

Table 2. Minimum sample sizes		
Area	**Cover**	**Woody Plant Density**
Reference	27.06	171.24
3	1.66	32.64
6	3.93	10.18
7	10.48	74.56
11/13/14	3.16	40.04
15/17	6.36	25.51
16	9.36	34.67

Woody Plant Density

Woody plant densities were estimated using the belt transect method (DOGM 1992). A total of 15 - 100 ft X 10ft transects were run in each area to determine woody plant density. Transects were located using coordinates selected from a random number table. Coordinates were paced off and a compass direction was selected using the random number table as well. Once transect start point and compass direction were established, investigators walked the length of the transect and recorded species of all individual shrubs rooted in each belt. Total number of plants per acre was calculated using DOGM guidelines. Minimum sample sizes for adequacy ranged from 10 to 171 (Table 2). To keep sampling consistent and avoid excessive disturbance to sites, shrub densities were estimated using the minimum of 15 transects as was done in the year 5 Vegetation Survey.

Similarity

Similarity of revegetated sites and the reference area with respect to species composition was determined using the Jaccard's Community Coefficient (DOGM

1992).

Species Diversity

Species diversity lists were compiled based on data collected during cover sampling.

Results

The survey was conducted during one of the driest years in recent history. Annual precipitation at the Sunnyside City Center weather station (approximately 7 miles north of Horse Canyon) and the Price Warehouses weather station (approximately 30 miles west of horse Canyon) was below long-term averages for both sites. The precipitation for the 2003 water year (Oct 1, 2002-Sept 31,2003) was 10.53 inches compared to the 30 year average of 13.87 inches. Similarly annual precipitation for the Price Warehouses station for the 2003 water year was 5.96 inches compared to a 25 year average of 9.3 inches (Utah Climate Center records, Utah State University, Logan, Utah). This pattern is typical of most regions in Utah due to several years of drought throughout the state. This prolonged period of reduced moisture has no doubt had an effect on plant production and survival throughout the state and the eastern Utah area.

Though plant growth was likely limited during the year, there were no signs of disease or insect damage and plants generally appeared to be in good health. Sagebrush die-off as seen around the Price, Utah area was not detected. Moderate numbers of Mormon Crickets were observed above the mine site and the revegetated areas, but none were observed in either the reference area or revegetated areas.

All areas including the reference area had been used during the previous year to some degree by livestock. Cattle sign was found in all areas, though the use was not extensive. Plants showed no signs of overgrazing. It is assumed that the used was limited to the few days livestock operators in the area moved their cattle to and from summer range in the Range Creek area. Mule deer sign was also observed in all revegetated areas as well as the reference area. Chukar partridges were heard in or near area 16 and also near area 15/17.

Percent Cover

Reference Area

Cover data for the Horse Canyon reference area are included in Table 3 (data for each transect are included in Appendix 1). The average vegetation cover for the

Reference area was 32.83%. The vegetative component was comprised of 62.70% trees, 32.10% grasses, 3.00% percent shrubs, and 2.20% forbs and succulents (for relative percent vegetation for each transect see Appendix 1).

Table 3. Horse Canyon Average Cover Summary

Cover Type	Area						
	Ref	3	6	7	11,13,14	15,17	16
Shrubs	1.00	33.07	33.60	49.87	24.80	34.27	15.73
Forbs	0.73	6.53	0.93	1.6	1.33	1.20	8.40
Grasses	10.53	46.53	54.53	25.87	42.80	41.87	42.13
Trees	20.57	0	0	0	0	0	0
Total Vegetation	32.83	86.13	89.07	77.33	72.53	77.33	66.27
Cryptobiotic	5.4	0.13	0.53	0	0.53	0	0.13
Physical Features	60.60	13.73	10.13	22.27	26.93	22.67	33.60

Area 3

The average vegetation cover for Area 3 was 86.13%. The vegetative component was comprised of 38.40% shrubs, 7.60% forbs and succulents, and 54.00% grasses, (Appendix 1; for relative percent vegetation for each transect also see Appendix 1.

Area 6

The average vegetation cover for Area 6 was 89.07%. The vegetative component was comprised of 37.70% shrubs, 1.00% forbs and succulents, and 61.20% grasses, Appendix 1; for relative percent vegetation for each transect also see Appendix 1).

Area 7

The average vegetation cover for Area 7 was 77.33%. The vegetative component was comprised of 64.50% shrubs, 2.10% forbs and succulents, and 33.50% grasses, (Appendix 1; for relative percent vegetation for each transect also see Appendix 1).

Area 11,13,14

The average vegetation cover for Area 11/13/14 was 72.53%. The vegetative component was comprised of 34.20% shrubs, 1.80% forbs and succulents, and 59.00% grasses, (Appendix 1; for relative percent vegetation for each transect also see Appendix 1).

Area 15,17

The average vegetation cover for Area 15/17 was 77.33%. The vegetative component was comprised of 42.00% shrubs, 1.60% forbs and succulents, and 54.10% grasses, (Appendix 1; for relative percent vegetation for each transect also see Appendix 1).

Area 16

The average vegetation cover for Area 16 was 66.27%. The vegetative component was comprised of 23.70% shrubs, 12.70% forbs and succulents, and 63.00% grasses, (Appendix 1; for relative percent vegetation for each transect also see Appendix 1).

In order to meet the revegetation plan success standard, 90% of undisturbed reference area, each site should meet or exceed 24.90% cover. Since all sites cover averages exceed the minimum requirement, it should be judged that the treatments have been satisfactory with respect to percent cover.

Woody Plant Density

Woody plant density data for the Horse Canyon reference area are included in Table 4 (data for each transect are included in Appendix 2).

Table 4. Horse Canyon Woody Plant Densities

Area	Average	90% Confidence Interval
Reference	659.21	518.17 - 800.25
3	1957.30	1687.32 - 2227.28
6	3891.36	3591.86 - 4190.86
7	5180.74	4101.85 - 6295.63
11/13/14	1771.41	1501.08 - 2041.74
15/17	2625.22	2305.44 - 2945.00
16	2883.67	2474.20 - 3293.14
Revegetated Areas Average	2709.84	2080.13 - 3339.55

Reference Area.

The Reference area was the least populated area with respect to woody plants. Including tree species, stems/acre ranged from 87.12 to 1132.56, with an average of 659.21 (90% confidence intervals are also listed in Table 4). The most predominant woody plants in the Reference area were Snakeweed (Gutierrezia sarothrae - 363 stems/acre, 55.1%) and Utah Juniper (Juniperus osteosperma - 246 stems/acre, 37.3%).

Area 3.

Area 3 had an average stems/acre of 1957.30 (90% confidence intervals are listed in Table 4). Individual transect values ranged from 1219.68 - 3441.24. The site was dominated by Sagebrush (Artemisia tridentata - 676.63 stems/acre, 34.6%), Four Wing Saltbush (Atriplex canescens - 662.11 stems/acre, 33.8%), and Douglas Rabbitbrush (Chrysothamnus viscidiflorus - 482.06 stems/acre, 24.6%).

Area 6.

Area 6 had an average stems/acre of 3891.36 (95% confidence intervals are listed in Table 4). Individual transect values ranged from 2744.28 - 4922.28. The site was dominated by Sagebrush (Artemisia tridentata - 1655.28 stems/acre, 42.5%), Four Wing Saltbush (Atriplex canescens - 1228.39 stems/acre, 31.6%), and Douglas Rabbitbrush (Chrysothamnus viscidiflorus - 537.24 stems/acre, 13.8%).

Area 7.

Area 7 had an average stems/acre of 5180.74 (95% confidence intervals are listed in Table 4). Individual transect values ranged from 1873.08 - 11369.16. The site was dominated by Sagebrush (Artemisia tridentata - 3746.16 stems/acre, 72.3%) and Four Wing Saltbush (Atriplex canescens - 816.02 stems/acre, 15.8%).

Area 11,13,14.

Area 11/13/14 had an average stems/acre of 1771.44 (95% confidence intervals are listed in Table 4). Individual transect values ranged from 261.36 - 2482.92. The site was dominated by Sagebrush (Artemisia tridentata - 418.18 stems/acre, 23.6%) and Four Wing Saltbush (Atriplex canescens - 1097.71 stems/acre, 62.0%).

Area 15,17.

Area 15/17 had an average stems/acre of 2625.22 (95% confidence intervals are listed in Table 4). Individual transect values ranged from 1873.08 - 4181.76. The site was dominated by Sagebrush (Artemisia tridentata - 1193.54 stems/acre, 45.5%) and Four Wing Saltbush (Atriplex canescens - 1013.50 stems/acre, 38.6%).

Area 16.

Area 16 had an average stems/acre of 2883.67 (95% confidence intervals are listed in Table 4). Individual transect values ranged from 1418.04 - 4094.64. The site was dominated by Sagebrush (Artemisia tridentata - 1405.54 stems/acre, 48.7%) and Four Wing Saltbush (Atriplex canescens - 958.32 stems/acre, 33.2%).

Average of all Treatment Areas

An average was calculated combining data for all treatment areas. The average woody plant stems/acre when considering all treatment areas was 2709.84. Calculation of a

90% confidence interval indicates that we can be 90% confident that the acutal mean of the population lies between 2080.13 - 3339.55 stems/acre.

With respect to woody plant density, only 2 sites clearly exceeded the standard of 3000 stems/acre established in the revegetation plan for the Horse Canyon area. Area 6 (3891.36) and Area 7 (5180.74) clearly exceeded the 3000 stems/acre standard. Area 15/17 and Area 16 were relatively close to the standard with 90% confidence that the actual mean falls between 2325.22-2945.00 and 2474.20-3293.14 respectively. Areas 3 (1957.30) and 11/13/14 (1771.41) both have averages below 2000. However, when compared to the Reference area (659.21), even areas 3 and 11/13/14 far exceed the undisturbed site with respect to woody plants/acre. Given these data, the woody plant density treatments should be characterized as relatively successful.

Species Diversity

Lists of species for the Reference area and each of the revegetation sites is listed in Table 5. All comparisons show more total species in each of the revegetated sites than in the Reference area.

Table 5. Species Lists for Horse Canyon Inventory Area

Species	Site						
	Ref.	3	6	7	11, 13,14	15/ 17	16
Shrubs							
Artemisia nova			x	x			
Artemisia tridentata		x	x	x	x	x	x
Atriplex canescens		x	x	x	x	x	x
Atriplex confertifolia					x	x	x
Ceratoides lanata			x		x	x	x
Chrysothamnus nauseosus		x	x	x	x	x	x
Chrysothamnus viscidiflorus		x	x	x	x	x	x
Cowania mexicana	x			x			
Ephedra viridis	x						
Gutierrezia sarothrae	x			x			
Sarcobatus vermiculatus					x	x	

Forbs & Succulents							
Echinocereus triglochidiatus	x						
Medicago sativa		x	x	x	x	x	x
Meliotus officinalis		x	x		x	x	
Penstemon palmeri		x	x	x			x
Euphorbia fendleri	x				x	x	
Sisymbrium altissimum			x	x			
Sphaeralcia coccinea	x			x			
Grasses							
Agropyron cristatum		x	x		x	x	x
Agropyron smithii			x	x	x	x	
Agropyron spicatum		x	x	x	x	x	x
Bromus inermis			x		x	x	
Bromus japonicus		x	x		x	x	
Bromus tectorum	x	x	x	x	x	x	x
Elymus cinereus		x	x		x	x	
Elymus gigantius			x		x	x	x
Elymus salinus	x	x	x	x	x	x	
Hilaria jamesii	x						
Oryzopsis hymenoides		x	x	x	x	x	x
Sitanion hystrix		x	x		x	x	x
Stipa comata				x	x	x	
Vulpia octaflora	x	x			x	x	
Trees							
Juniperus osteosperma	x						
Pinus edulis	x						
Total Species in each area	12	16	21	17	23	20	14

Also in each revegetation site there were more species with greater than 5% cover than in the Reference area. The Reference area had a total of 12 species with 2 species, Utah juniper (17%) and Salina wild rye (7%), with percent cover greater than 5%. Only 2 species, 1 tree and 1 grass, exceeded 5%.

Area 3 had a total of 16 species with 5 species, Bluebunch wheatgrass (29.2%), Fourwing saltbush (13.3%), Big sagebrush (13.3%), Basin wild rye (7.1%), and Douglas rabbitbrush (5.1%), with percent cover greater than 5%. Five species, 3 shrubs and 2 grasses, exceeded 5%.

Area 6 had a total of 21 species with 5 species, Cheat grass (27.1%), Bluebunch wheatgrass (22.9%), Fourwing saltbush (18.9%), Big sagebrush (9.9%), and Douglas rabbitbrush (5.5%), with percent cover greater than 5%. Five species, 3 shrubs and 2 grasses (one of the grasses was the undesirable Cheat grass), exceeded 5%.

Area 7 had a total of 17 species with 4 species, Cheat grass (22.1%), Bluebunch wheatgrass (22.0%), Fourwing saltbush (12.4%), and Big sagebrush (24.9%), with percent cover greater than 5%. Four species, 2 shrubs and 2 grasses (one of the grasses was the undesirable Cheat grass), exceeded 5%.

Area 11/13/14 had a total of 23 species with 4 species, Cheat grass (15.7%), Bluebunch wheatgrass (20.8%), Fourwing saltbush (14.1%), and Big sagebrush (5.7%), with percent cover greater than 5%. Four species, 2 shrubs and 2 grasses (one of the grasses was the undesirable Cheat grass), exceeded 5%.

Area 15/17 had a total of 20 species with 4 species, Cheat grass (19.1%), Bluebunch wheatgrass (18.9%), Fourwing saltbush (14.1%), and Big sagebrush (15.1%), with percent cover greater than 5%. Four species, 2 shrubs and 2 grasses (one of the grasses was the undesirable Cheat grass), exceeded 5%.

Area 16 had a total of 14 species with 4 species, Cheat grass (6.5%), Bluebunch wheatgrass (28.5%), Fourwing saltbush (5.6%), and Alfalfa (6.7%), with percent cover greater than 5%. Four species, 1 shrub, 2 grasses (one of the grasses was the undesirable Cheat grass), and 1 forb (alfalfa), exceeded 5%.

Species diversity with respect to percent cover by species is recorded in Table 6 for each site.

Table 6. Species Diversity Tables			
Reference Area (12 total species)		**Area 3 (16 total species)**	
	Species (% cover)		**Species (% cover)**
> 20 %		> 20%	Agropyron spicatum (29.2)
10 - 20%	Juniperus osteosperma (17.0)	10 - 20%	Atriplex canescens (13.3)
			Artemisia tridentata (13.3)
5 - 10 %	Elymus salinus (7.0)	5 - 10 %	Elymus cinereus (7.1)
			Chrysothamnus viscidiflorus 5.1)
1 - 5%	Pinus edulis (4.0)	1 - 5%	Bromus tectorum (4.1)
	Bromus tectorum (2.0)		Medicago satvia (3.5)
	Gutierezzia sarothrae (1.0)		Meliotus officianalis (1.6)
	Hilaria jamesii (1.0)		Agropyron cristatum (1.5)
	Sphaeralcia coccinea (1.0)		Chrysothamnus nauseosus (1.2)
			Sitanion hystrix (1.1)
< 1%	Vulpia octaflora (0.3)	< 1%	Oryzopsis hymenoides (0.9)
	Epehdra viridis (0.2)		Penstemon palmeri (0.8)
	Euphorbia fendleri (0.1)		Bromus japonicus (0.3)
	Cowania mexicana (0.1)		Elymus salinus (0.3)
	Echinocereus triglochidiatus (0.1)		Vulpia octaflora (0.1)

Table 6. Species Diversity Tables (cont.)			
Area 6 (21 total species)		**Area 7 (17 total species)**	
	Species (% cover)		**Species (% cover)**
> 20 %	Bromus tectorum (27.1)	> 20%	Artemisia tridentata (24.9)
	Agropyron spicatum (22.9)		Bromus tectorum (22.0)
10 - 20%	Atriplex canescens (12.4)	10 - 20%	Atriplex canescens (18.9)
5 - 10 %	Artemisia tridentata (9.9)	5 - 10 %	
	Chrysothamnus viscidiflorus (5.5)		
1 - 5%	Artemisia nova (1.9)	1 - 5%	Chrysothamnus viscidiflorus (4.0)
	Ceratoides lanata (1.6)		Agropyron spicatum (2.0)
			Artemisia nova (1.1)
< 1%	Elymus cinereus (0.8)	< 1%	Stipa comata (0.9)
	Oryzopsis hymenoides (0.7)		Elymus salinus (0.7)
	Chrysothamnus nauseosus (0.5)		Sisymbrium altissimum (0.5)
	Penstemon palmeri (0.4)		Medicago sativa (0.5)
	Elymus gigantius (0.3)		Sphaeralicia coccinea (0.3)
	Elymus salinus (0.3)		Cowania mexicana (0.3)
	Sitanion hystrix (0.3)		Oryzopsis hymenoides (0.3)
	Sisymbrium altissima (0.3)		Gutierrezia sarothrae (0.1)
	Bromus japonicus (0.1)		Penstemon palmeri (0.1)
	Bromus inermis (0.1)		Chrysothamnus nauseosus (0.1)
	Agropyron cristatum (0.1)		Agropyron smithii (0.1)
	Agropyron smithii (0.1)		
	Medicago satvia (0.1)		
	Meliotus officianalis (0.1)		

Table 6. Species Diversity Tables (cont.)			
Area 11/13/14 (23 total species)		**Area 15/17 (20 total species)**	
	Species (% cover)		**Species (% cover)**
> 20 %	Agropyron spicatum (20.8)	> 20%	
10 - 20%	Bromus tectorum (15.7)	10 - 20%	Bromus tectorum (19.1)
	Atriplex canescens (14.1)		Agropyron spicatum (18.9)
			Artemisia tridentata (15.1)
			Atriplex canescens (14.1)
5 - 10 %	Artemisia tridentata (5.7)	5 - 10 %	
1 - 5%	Chrysothamnus nauseosus (2.4)	1 - 5%	Sarcobatus vermiculatus (2.1)
	Atriplex confertifolia (1.7)		Chrysothamnus nauseosus (1.1)
	Chrysothamnus viscidifloris (1.6)		
	Gutierezzia sarothrae (1.6)		
	Oryzopsis hymenoides (1.3)		
< 1%	Medicago sativa (0.8)	< 1%	Stipa comata (0.9)
	Ceratoides lanata (0.7)		Oryzopsis hymenoides (0.8)
	Agropyron ciristatum (0.7)		Elymus cinereus (0.7)
	Elymus cinerius (0.7)		Medicago sativa (0.7)
	Agropyron smithii (0.5)		Elymus salinus (0.5)
	Elymus gigantius (0.5)		Ceratoides lanata (0.4)
	Sitanion hystrix (0.5)		Meliotus officianalis (0.4)
	Elymus salinus (0.4)		Atriplex confertifolia (0.4)
	Stipa comata (0.4)		Agropyron smithii (0.3)
	Vulpia octaflora (0.3)		Bromus japonicus (0.3)
	Bromus inermis (0.1)		Sphaeralcia coccinea (0.1)
	Bromus japonicus (0.1)		Gutierrezia sarothrae (0.1)
	Medicago officianalis (0.1)		Chrysothamnus viscidifloris (0.1)
	Euphorbia fendleri (0.1)		Bromus inermis (0.1)

Table 6. Species Diversity Tables (cont.)	
Area 16 (14 total species)	
	Species (% cover)
> 20 %	Agropyron spicatum (28.5)
10 - 20%	
5 - 10 %	Medicago satvia (6.7)
	Bromus tectorum (6.5)
	Atriplex canescens (5.6)
1 - 5%	Artemisia tridentata (4.7)
	Chrysothamnus nauseosus (1.6)
	Elymus gigantius (1.2)
	Atriplex confertifolia (1.1)
< 1%	Penstemon palmeri (0.4)
	Chrysothamnus viscidifloris (0.1)
	Ceratoides lanata (0.1)
	Oryzopsis hynmenoides (0.1)
	Agropyron cristatum (0.1)
	Sitanion hystrix (0.1)

Targets for revegetated areas were to have 3 shrubs, 2 grasses, and 1 forb with % cover above 5%. These targets are not reached with respect to forbs in any area with the exception of Area 16. However, the forb which exceeded 5% cover was alfafa, part of the revegetation seed mixture, but not a native species and probably should not be considered.

Similarity

Comparisons of similarity made between the Reference area and revegetated sites indicates that there are only minor similarities between the revegetated sites and the Reference area (Table 7). Similarity coefficients ranged from 4.0 to 20.8. Similarity is strong when values approach 100. Given the revegetation treatments, it is not surprising

that the areas are dissimilar with respect to species.

Table 7. Similarity Comparisons - Cover

Site	Number of Species in Reference Area	Number of Species in Revegetation Site	Number of Species Common to both	Similarity Coefficient
Area 3	12	16	3	12.0
Area 6	12	21	2	6.5
Area 7	12	17	5	20.8
Area 11/13/14	12	23	3	9.4
Area 15/17	12	20	4	14.3
Area 16	12	14	1	4.0

Areas were also different with respect to overall vegetation cover. In each instance, the revegetated areas were more densely vegetated than the reference area. The average percent cover for the Reference area was 32.83%. Percent vegetation cover for the revegetation sites ranged from 66.27% to 89.07% (Table 3).

References

Anderson, B. Desert Plants of Utah. EC 376. Cooperative Extension Service, Utah State University, Logan, UT. 146 pp.

DOGM 1992. Vegetation Information Guidelines. Utah Division of Oil, Gas, and Mining. Salt Lake City, UT.

Parker, K. G., L. R. Mason, and J. F. Valentine. Utah Grasses. EC 384. Cooperative Extension Service, Utah State University, Logan, UT. 69 pp.

Welsch, S. L. and G. Moore. 1973. Utah Plants. Brigham Young University Press. Provo, UT. 474 pp.

Utah Climate Center. January 2004. Utah State University, Logan, Utah.

Appendix 1

Percent Cover Data

Reference Cover Summary

Cover Type	Transect #														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Shrubs	0	2	2	0	0	0	2	0	4	4	2	0	2	0	0
Forbs	0	0	0	2	2	0	0	0	16	0	0	0	0	0	0
Grasses	12	26	8	4	8	0	0	6	0	2	14	26	14	4	6
Trees	8	6	10	34	16	46	52	12	0	20	16	6	28	20	18
Total Vegetation	20	34	20	40	26	46	54	18	20	26	32	32	44	24	24
Cryptobiotic	0	8	4	4	6	2	6	0	12	0	4	10	10	2	0
Physical Features	80	58	76	56	52	52	40	82	68	74	64	58	46	74	76

Cover Type	Transect #															Site Average	Std. Dev.
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
Shrubs	2	4	0	0	0	2	0	0	0	2	0	0	0	2	0	1.00	1.36
Forbs	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0.73	2.95
Grasses	10	10	4	12	4	8	4	6	0	54	42	16	4	6	6	10.53	12.19
Trees	18	16	30	12	34	46	34	16	18	0	18	28	26	30 15	14	21.07 ~~20.57~~	13.03
Total Vegetation	30	30	34	28	38	56	38	22	18	56	60	46	30	38	20	33.47	12.27
Cryptobiotic	2	2	10	2	4	4	10	16	6	6	4	4	6	10	8	5.4	4.01
Physical Features	68	68	56	70	58	40	52	62	76	38	36	50	64	52	72	60.60	13.08

Reference Area Cover Data

Horse Canyon Cover Sheet

Date:9/16/03 | Area:Ref | Transect:1 | UTM:0[illegible]4358091 | Heading:70

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens																																																		0	0	0
Atriplex confertifolia																																																		0	0	0
Atriplex cuneata																																																		0	0	0
Artemisia nova																																																		0	0	0
Artemisia tridentata tridentata																																																		0	0	0
Chrysothamnus nauseosus																																																		0	0	0
Chrysothamnus viscidiflorus																																																		0	0	0
Coleria mexicana																																																		0	0	0
Ceratoides lanata																																																		0	0	0
Ephedra viridis																																																		0	0	0
Sarcobatus vermiculatus																																																		0	0	0
Gutierrezia sarothrae																																																		0	0	0
Total Shrubs Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Forbs & Succulents																																																						
Machaeranthera canescens																																																						
Medicago sativa																																																		0	0	0
Melilotus officinalis																																																		0	0	0
Penstemon palmeri																																																		0	0	0
Sphaeralcia coccinea																																																		0	0	0
Stanleyella wrightii																																																		0	0	0
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grasses																																																					
Agropyron Smithii																																																					
Agropyron spicatum																																																		0	0	0
Agropyron cristatum																																																		0	0	0
Agropyron trachycaulum																																																		0	0	0
Bromus tectorum																																																		0	0	0
Elymus Salinus		1											1								1				1																									0	0	0
Elymus cinereus																																						1													5	10	20
Elymus glaucicus																																																		0	0	0
Hilaria Jamesii																																																		0	0	0
Oryzopsis hymenoides																																																		0	0	0
Stanion hystrix																																																		0	0	0
Stipa comata																																																		0	0	0
Bromus inermes																									1																									0	0	0
																																																	1	2	10
Total Grass/sedge Cover	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	60
Trees																																																					
Juniper																																																					
Pinon																																								1				1	1					1	4	8	40
																																																		0	0	0
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	0	1	4	8	40
																																																				40
Total Vegetation Cover	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	1	1	0	0	0	0	1	10	20	100
Cryptobiotic																																																			0	0	
Physical Features																																																				
Litter						1																																													1	2	
Rock																			1	1			1								1																				7	14	
Bare Ground	1		1	1	1		1	1	1	1	1	1		1	1	1	1	1				1			1			1	1	1		1	1	1	1	1	1	1		1			1	1				1	1		32	64	
Total Physical Features	1	3	1	1	1	1	1	1	1	1	1	1	3	1	1	1	1	1	1	1	3	1	1	1	3	3	1	1	1	1	1	1	1	1	1	1	3	1	3	1	1	1	3	3	1	1	1	1	3		49	98	
Comments:																																																			100	

Horse Canyon Cover Sheet

Date:6/16/09 | Area:Ref | Transect:2 | UTM:[illegible] | Heading:59

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																			
Atriplex canescens																																																		0	0	0
Atriplex confertifolia																																																	0	0	0
Atriplex cuneata																																																	0	0	0
Artemisia nova																																																	0	0	0
Artemisia tridentata tridentata																																																	0	0	0
Chrysothamnus nauseosus																																																	0	0	0
Chrysothamnus viscidiflorus																																																	0	0	0
Coleogyne ramosissima																																																	0	0	0
Ceratoides lanata																																																	0	0	0
Ephedra viridis																																																	0	0	0
Gutierrezia sarothrae																																																	0	0	0
																																															1	1	2	6.662552841
																																																			0
Total Shrubs Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	6.662552841	
																																																			0
Forbs & Succulents																																																				0
Machaeranthera canescens																																																			0
Medicago sativa																																																		0	0	0
Melilotus officinalis																																																		0	0	0
Penstemon palmeri																																																		0	0	0
Sphaeralcia coccinea																																																		0	0	0
Sisymbrium altissimum																																																		0	0	0
																																																	0	0	0
Total Forb Cover																																																		0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Grass/gid																																																			0
Agropyron Smithii																																																			0
Agropyron spicatum																																																			0
Agropyron cristatum																																																			0	0	0
Agropyron trachycaulum																																																			0	0	0
Bromus tectorum																																																			0	0	0
Elymus Salinus	1	1								1																																									0	0	0
Elymus cinereus				1									1	1	1				1	1		1											1	1	1																3	8	17.64705882
Elymus glaucus																																																			10	20	58.82352941
Galata Grass																																																			0	0	0
Hilaria Jamesii																																																			0	0	0
Oryzopsis hymenoides																																																			0	0	0
Sitanion hystrix																																																			0	0	0
Stipa comata																																																			0	0	0
																																																		0	0	0
Total Grass/gid Cover																																																		0	0	0
	0	1	1	1	0	0	0	0	0	0	1	0	0	1	1	1	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	13	26	76.47058824
Trees																																																			0
Juniper																																																				0
Pinon								1	1																																					1						3	6	17.64705882
Total Tree Cover																																																			0	0	0
	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	3	6	17.64705882
Total Vegetation Cover																																																			0
	0	1	1	1	0	0	0	1	1	1	0	0	1	1	1	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	1	17	34	100
Cryptobiotic																																																			
Physical Features																																																				1				1	1	1				4	8	
Litter																																																				
Rock							1												1								1	1	1	1	1	1																					
Bare Ground					1					1											1			1																					1						12	24	
	1			1							1					1	1						1		1																			1	1					7	14	
Total Physical Features																																																			10	20	
Comments:	1	3	3	3	1	1	1	3	3	3	1	1	3	3	3	1	1	1	3	3	1	3	1	1	1	1	1	1	1	1	1	1	3	3	3	1	1	1	1	1	1	1	1	3	1	1	1	1	1	3	99	99	
																																																			100

Horse Canyon Cover Sheet

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Date:8/18/09	Area:Ref						Transect:2								UTM:[illegible]																		Heading:88																				
Shrubs																																																					
Atriplex canescens																																																			0	0	0
Atriplex confertifolia																																																			0	0	0
Atriplex cuneata																																																			0	0	0
Artemisia nova																																																			0	0	0
Artemisia tridentata tridentata																																																			0	0	0
Chrysothamnus nauseosus																																																			0	0	0
Chrysothamnus viscidiflorus																																																			0	0	0
Cowania mexicana																																																			0	0	0
Ceratoides lanata																																																			0	0	0
Ephedra viridis																																																			0	0	0
Sarcobatus vermiculatus																																																			0	0	0
Gutierrezia sarothrae																																																		1	1	2	5.882352941
																																																					0
																																																					0
Total Shrubs Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	5.882352941
																																																					0
Forbs & Succulents																																																					0
Machaeranthera canescens																																																			0	0	0
Medicago sativa																																																			0	0	0
Melilotus officinalis																																																			0	0	0
Penstemon palmeri																																																			0	0	0
Sphaeralcea coccinea																																																			0	0	0
Sisymbrium altissimum																																																			0	0	0
																																																			0	0	0
Total Forb Cover																																																					0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Graminoid																																																					0
Agropyron Smithii																																																					0
Agropyron spicatum																																																			0	0	0
Agropyron cristatum																																																			0	0	0
Agropyron trachycaulum																																																			0	0	0
Bromus tectorum																																																			0	0	0
Elymus Salinus		1	1							1																																									3	6	17.64705882
Elymus cinereus				1									1	1	1				1	1		1												1	1	1															10	20	58.82352941
Elymus giganteus																																																			0	0	0
Hilaria Jamesii																																																			0	0	0
Oryzopsis hymenoides																																																			0	0	0
Stanion hystrix																																																			0	0	0
Stipa comata																																																			0	0	0
																																																			0	0	0
Total Graminoid Cover																																																					0
	0	1	1	1	0	0	0	0	0	1	0	0	1	1	1	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	26	76.47058824
Trees																																																					0
Juniper																																																						0
Pinon								1	1																																										3	6	17.64705882
																																												1							0	0	0
Total Tree Cover																																																					0
	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	3	6	17.64705882
Total Vegetation Cover																																																					0
	0	1	1	1	0	0	0	1	1	1	0	0	1	1	1	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	17	34	100
Cryptobiotic																																																					
Physical Features																																						1								1	1	1			4	8	
Litter																																																					
Rock							1											1									1	1	1	1	1	1	1									1			1				1		12	24	
Bare Ground						1					1										1			1													1			1	1										7	14	
	1				1							1				1	1						1		1	1													1				1								10	20	
Total Physical Features																																																					
Comments:	1	3	3	3	1	1	1	3	3	3	1	1	3	3	3	1	1	1	3	3	1	3	1	1	1	1	1	1	1	1	1	1	1	3	3	3	1	1	1	1	1	1	1	3	1	1	1	1	1	3	29	58	
																																																				100	

Horse Canyon Cover Sheet

Date:8/16/03 | Area:Ref | Transect:3 | UTM:[illegible] | Heading:292

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																					
Atriplex canescens																																																			0	0	0
Atriplex confertifolia																																																			0	0	0
Atriplex cuneata																																																			0	0	0
Artemisia nova																																																			0	0	0
Artemisia tridentata tridentata																																																			0	0	0
Chrysothamnus nauseosus																																																			0	0	0
Chrysothamnus viscidiflorus																																																			0	0	0
Coweria mexicana																																																			0	0	0
Ceratoides lanata																																																			0	0	0
Ephedra viridis																																																			0	0	0
Sarcobatus vermiculatus																																																			0	0	0
Gutierrezia sarothrae																					1																														1	2	10
																																																						0
Total Shrubs Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	10
																																																					0
Forbs & Succulents																																																					0
Machaeranthera canescens																																																			0	0	0
Medicago sativa																																																			0	0	0
Melilotus officinalis																																																			0	0	0
Penstemon palmeri																																																			0	0	0
Sphaeralcea coccinea																																																			0	0	0
Sisymbrium altissimum																																																			0	0	0
																																																					0
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																																																					0
Graminoid																																																					0
Agropyron Smithii																																																			0	0	0
Agropyron spicatum																																																			0	0	0
Agropyron cristatum																																																			0	0	0
Agropyron trachycaulum																																																			0	0	0
Bromus tectorum																																																			0	0	0
Elymus Salinus																	1	1																																1	3	6	30
Elymus cinereus																																																			0	0	0
Elymus giganteus																																																			0	0	0
Hilaria Jamesii																																																			0	0	0
Oryzopsis hymenoides																											1																								1	2	10
Stanion hystrix																																																			0	0	0
Stipa comata																																																			0	0	0
																																																					0
Total Graminoid Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	8	40
																																																					0
Trees																																																					0
Juniper			1	1	1																																														5	10	50
Pinon																																																1	1		0	0	0
																																																					0
Total Tree Cover	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	5	10	50
																																																					0
Total Vegetation Cover	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	10	20	100
Cryptobiotic																			1																		1														2	4	
Physical Features																																																					
Litter							1																										1			1			1	1		1	1	1	1						9	18	
Rock	1									1						1												1																		1	1				6	12	
Bare Ground		1				1		1	1		1	1	1	1	1					1		1	1	1	1	1			1	1	1	1		1	1			1			1										23	46	
Total Physical Features																																																			38	76	
	1	1	3	3	3	1	1	1	1	1	1	1	1	1	1	1	3	3	1	1	3	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3	3			
Comments:																																																				100	

Horse Canyon Cover Sheet

Date:6/18/09 | Area:Ref | Transect:4 | UTM:0[illegible]4[illegible]130 | Heading:137

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens																																																					
Atriplex confertifolia																																																				
Atriplex cuneata																																																				
Artemisia nova																																																				
Artemisia tridentata tridentata																																																			
Chrysothamnus nauseosus																																																			
Chrysothamnus viscidiflorus																																																			
Coleogyne ramosissima																																																			
Ceratoides lanata																																																			
Ephedra viridis																																																			
Sarcobatus vermiculatus																																																			
Gutierrezia sarothrae																																																			
Total Shrubs Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Forbs & Rosulent																																																				
Machaeranthera canescens																																																				
Medicago sativa																																																				
Melilotus officinalis																																																				
Penstemon palmeri																																																				
Sphaeralcia coccinea	1																																																			
Stanleya albescens																																																				
Total Forb Cover	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	5
Graminoid																																																				
Agropyron Smithii																																																				
Agropyron spicatum																																																				
Agropyron cristatum																																																				
Agropyron trachycaulum																																																				
Bromus tectorum																																																				
Elymus Salinus										1																																										
Elymus cinereus																																		1																		
Elymus gigantious																																																				
Hilaria Jamesii																																																				
Oryzopsis hymenoides																																																				
Stanion hystrix																																																				
Stipa comata																																																				
Total Graminoid Cover	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	10
Trees																																																				
Juniper															1	1	1	1	1	1	1	1																														
Pinon																																			1	1	1	1	1	1						1						15	30	75
																																											1	1								2	4	10
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	1	1	1	0	0	0	0	17	34	85
Total Vegetation Cover	1	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	1	1	0	0	0	1	1	1	0	0	0	0	0	0	0
Cryptobiotic																							1																														20	40	100
																																																		1	2	4	
Physical Features																																																				
Litter			1																														1																		
Rock				1																						1	1																									3	6	
Bare Ground		1	1				1	1	1	1		1	1	1	1									1	1	1			1	1	1	1																			4	8	
																																																		1	1				1		1		21	42	
Total Physical Features																																																				39	39	
	3	1	1	1	1	1	1	1	1	3	1	1	1	1	3	3	3	3	3	3	3	3	1	1	1	1	1	1	1	1	1	1	3	1	3	3	3	3	3	3	1	1	1	3	3	3	1	1	1	1			
Comments:																																																				100		

Horse Canyon Cover Sheet

Date:6/7/00 | Area:Ref | Transect:6 | UTM:0[illegible]4389139 | Heading:101

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens																																																		0	0	0
Atriplex confertifolia																																																		0	0	0
Atriplex cuneata																																																		0	0	0
Artemisia nova																																																		0	0	0
Artemisia tridentata tridentata																																																		0	0	0
Chrysothamnus nauseosus																																																		0	0	0
Chrysothamnus viscidiflorus																																																		0	0	0
Coleogyne ramosissima																																																		0	0	0
Ceratoides lanata																																																		0	0	0
Ephedra viridis																																																		0	0	0
Sarcobatus vermiculatus																																																		0	0	0
Gutierrezia sarothrae																																																		0	0	0
																																																				0
Total Shrubs Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Forbs																																																					
Machaeranthera canescens																																																		0	0	0
Medicago sativa																																																		0	0	0
Melilotus officinalis																																																		0	0	0
Penstemon palmeri																																																		0	0	0
Sphaeralcea coccinea				1																																													1	2	7.692307692
Stanleya albescens																																																		0	0	0
																																																				0
Total Forb Cover	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	7.692307692
Grassoid																																																					
Agropyron Smithii																																																				0	0	0
Agropyron spicatum																																																				0	0	0
Agropyron cristatum																																																				0	0	0
Agropyron trachycaulum																																																				0	0	0
Bromus tectorum																																																				0	0	0
Elymus Salinus									1	1	1	1																																								0	0	0
Elymus cinereus																																																				4	8	30.76923077
Elymus gigenteus																																																			0	0	0
Hilaria Jamesii																																																			0	0	0
Oryzopsis hymenoides																																																			0	0	0
Stanleya hybrid																																																			0	0	0
Stipa comata																																																			0	0	0
																																																			0
Total Grassoid Cover	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	8	30.76923077
Trees																																																					
Juniper																																																					0
Pinon																																																				0	0	0
																																																			0	0	0
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	1	1	1	1	0	0	0	0	8	16	61.53846154
Total Vegetation Cover	0	0	0	1	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	1	1	1	1	0	0	0	0	12	24	92.30769231
Cryptobiotic	1																1	1																																			3	6	
Physical Features																																																				
Litter																																																				
Rock																			1																		1														1	2	
Bare Ground		1	1		1	1	1	1					1	1	1	1	1			1	1	1	1	1	1	1	1	1	1		1	1	1	1			1	1								1		1	7	14	
																																																	1		26	52	
Total Physical Features																																																			34	68	
	1	1	1	3	1	1	1	1	3	3	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3	3	1	1	3	3	3	3	1	1	1			
Comments:																																																			100		

Horse Canyon Cover Sheet

Date:6/16/09 | Area:Ref | Transect:9 | UTM:0663886e4388070 | Heading:9

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative cover
Shrubs																																																				
Atriplex canescens																																																			0	0	0
Atriplex confertifolia																																																			0	0	0
Atriplex cuneata																																																			0	0	0
Artemisia nova																																																			0	0	0
Artemisia tridentata tridentata																																																			0	0	0
Chrysothamnus nauseosus																																																			0	0	0
Chrysothamnus viscidiflorus																																																			0	0	0
Cowania mexicana																																																			0	0	0
Coleloides lanata																																																			0	0	0
Ephedra viridis																																																			0	0	0
Sarcobatus vermiculatus																																																			0	0	0
Gutierrezia sarothrae																																																			0	0	0
																																																					0
																																																						0
Total Shrubs Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																																																				0
Forbs & Annuals																																																					0
Machaeranthera canescens																																																				0	0	0
Medicago sativa																																																				0	0	0
Melilotus officinalis																																																				0	0	0
Penstemon palmeri																																																				0	0	0
Sphaeralcia coccinea																																																				0	0	0
Stevnbrium albiflorum																																																				0	0	0
																																																					0
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																																																				0
Grasslike																																																					0
Agropyron Smithii																																																					0	0	0
Agropyron spicatum																																																				0	0	0
Agropyron cristatum																																																				0	0	0
Agropyron trachycaulum																																																				0	0	0
Bromus tectorum																																																				0	0	0
Elymus Salinus																																																				0	0	0
Elymus cinereus																																																				0	0	0
Elymus gigenteus																																																				0	0	0
Hiaria Jamesii																																																				0	0	0
Oryzopsis hymenoides																																																				0	0	0
Stanton hystrix																																																				0	0	0
Stipa comata																																																				0	0	0
																																																					0
Total Grasslaid Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																																																				0
Trees																																																					0
Juniper				1	1	1	1	1																							1	1	1	1	1	1				1	1	1								13	26	56.52173913
Pinon												1	1	1	1	1	1			1	1	1	1																													10	20	43.47826087
																																																				0	0	0
Total Tree Cover	0	0	0	1	1	1	1	1	0	0	0	1	1	1	1	1	1	0	0	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	1	1	1	0	0	0	0	0	0	0	0	23	46	100
																																																				0
Total Vegetation Cover	0	0	0	1	1	1	1	1	0	0	0	1	1	1	1	1	1	0	0	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	1	1	1	0	0	0	0	0	0	0	0	23	46	100
Cryptobiotic											1																																										1	2	
Physical Features																																																						
Litter	1			1							1							1	1																																	5	10	
Rock																									1	1	1	1																			1	1	1	1	1	1	10	20	
Bare Ground		1						1	1																				1	1	1	1							1	1	1	1									11	22	
Total Physical Features																																																				39	52	
	1	1	1	3	3	3	3	1	1	1	1	3	3	3	3	3	3	1	1	3	3	3	3	1	1	1	1	1	1	1	3	3	3	3	3	3	1	1	1	3	3	3	1	1	1	1	1	1			
Comments:																																																				100	

Horse Canyon Cover Sheet

Date:6/14/05 | Area:Ref | Transect:7 | UTM:[illegible] | Heading:360

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens																																																			0	0	0
Atriplex confertifolia																																																			0	0	0
Atriplex cuneata																																																			0	0	0
Artemisia nova																																																			0	0	0
Artemisia tridentata tridentata																																																			0	0	0
Chrysothamnus nauseosus																																																			0	0	0
Chrysothamnus viscidiflorus																																																			0	0	0
Coleata mexicana																																																			0	0	0
Coleloides tenuis																																																			0	0	0
Ephedra viridis	1																																																		1	2	3.703703704
Sarcobatus vermiculatus																																																			0	0	0
Gutierrezia sarothrae																																																			0	0	0
																																																				0
Total Shrubs Cover	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3.703703704
																																																				0
Forbs & Semishrubs																																																					0
Machaeranthera canescens																																																				0	0	0
Medicago sativa																																																				0	0	0
Melilotus officinalis																																																				0	0	0
Penstemon palmeri																																																				0	0	0
Sphaeralcia coccinea																																																				0	0	0
Stanleya elbaimum																																																				0	0	0
																																																				0
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																																																				0
Graminoid																																																					0
Agropyron Smithii																																																				0	0	0
Agropyron spicatum																																																				0	0	0
Agropyron cristatum																																																				0	0	0
Agropyron trachycaulum																																																				0	0	0
Bromus tectorum																																																				0	0	0
Elymus Salinus																																																				0	0	0
Elymus cinereus																																																				0	0	0
Elymus gigenteus																																																				0	0	0
Hieria Jamesii																																																				0	0	0
Oryzopsis hymenoides																																																				0	0	0
Stanion hystrix																																																				0	0	0
Stipa comata																																																				0	0	0
																																																				0
Total Graminoid Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																																																				0
Trees																																																				0
Juniper							1	1					1	1	1	1	1	1	1	1		1	1	1	1	1	1				1	1	1											1	1	1	1	1	1	1		26	52	96.2962963
Pinon																																																				0	0	0
																																																				0
Total Tree Cover	0	0	0	0	0	0	1	1	0	0	0	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	26	52	96.2962963
																																																				0
Total Vegetation Cover	1	0	0	0	0	0	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	27	54	100
Cryptobiotic																														1				1					1												3	6	
Physical Features																																																					
Litter																																																				0	0	
Rock			1		1			1																				1						1	1	1														7	14	
Bare Ground		1		1					1	1	1	1									1								1					1						1	1	1								1	13	26	
Total Physical Features																																																			39	40	
	3	1	1	1	1	3	3	1	1	1	1	1	3	3	3	3	3	3	3	3	1	3	3	3	3	3	1	1	1	3	3	3	1	1	1	1	1	1	1	1	1	3	3	3	3	3	3	3	1			
Comments:																																																			100	

Horse Canyon Cover Sheet

Date:6/19/03	Area:Ref						Transect:9								UTM:[illegible]																		Heading:79																				
Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																					
Atriplex canescens																																																			0	0	0
Atriplex confertifolia																																																			0	0	0
Atriplex cuneata																																																			0	0	0
Artemisia nova																																																			0	0	0
Artemisia tridentata tridentata																																																			0	0	0
Chrysothamnus nauseosus																																																			0	0	0
Chrysothamnus viscidiflorus																																																			0	0	0
Cowania mexicana																																																			0	0	0
Ceratoides lanata																																																			0	0	0
Ephedra viridis																																																			0	0	0
Sarcobatus vermiculatus																																																			0	0	0
Gutierrezia sarothrae																																																			0	0	0
																																																					0
Total Shrubs Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																																																					0
Forbs & Succulents																																																					0
Machaeranthera canescens																																																			0	0	0
Medicago sativa																																																			0	0	0
Melilotus officinalis																																																			0	0	0
Penstemon palmeri																																																			0	0	0
Sphaeralcia coccinea																																																			0	0	0
Sisymbrium altissimum																																																			0	0	0
																																																					0
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																																																					0
Graminoid																																																					0
Agropyron Smithii																																																			0	0	0
Agropyron spicatum																																																			0	0	0
Agropyron cristatum																																																			0	0	0
Agropyron trachycaulum																																																			0	0	0
Bromus tectorum																																																			0	0	0
Elymus Salinus														1			1			1																															0	0	0
Elymus cinereus																																																			3	6	33.33333333
Elymus giganteus																																																				0	0	0
Galeta Grass																																																			0	0	0
Hilaria Jamesii																																																				0	0	0
Oryzopsis hymenoides																																																			0	0	0
Stanion hystrix																																																			0	0	0
Stipa comata																																																			0	0	0
																																																					0
																																																					0
Total Graminoid Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	6	33.33333333
Trees																																																						0
Juniper																					1			1																													0
Pinon																			1												1									1	1										2	4	22.22222222
																																																			4	8	44.44444444
																																																					0
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	6	12	66.66666667
																																																					0
Total Vegetation Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	1	1	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	9	18	100
Cryptobiotic																																																						
Physical Features																																																					0	
Litter																										1						1							1							1		1					
Rock			1	1									1		1	1																	1					1						1							5	10	
Bare Ground	1	1			1	1	1	1	1	1	1	1																																							8	16	
																		1				1	1		1		1	1	1	1				1	1	1	1					1	1		1		1		1	1	28	56	
Total Physical Features																																																						
	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1	1	3	1	3	3	3	1	1	3	1	1	1	1	1	1	3	1	1	1	1	1	1	1	1	3	3	1	1	1	1	1	1	1	1	1	41	82	
Comments:																																																				100	

Horse Canyon Cover Sheet

Date:6/16/09 | Area:Ref | Transect:9 | UTM:0[illegible]/[illegible] | Heading:280

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens																																																			0	0	0
Atriplex confertifolia																																																			0	0	0
Atriplex curvata																																																			0	0	0
Artemisia nova																																																			0	0	0
Artemisia tridentata tridentata																																																			0	0	0
Chrysothamnus nauseosus																																																			0	0	0
Chrysothamnus viscidiflorus																																																			0	0	0
Cowania mexicana																																																			0	0	0
Coryloides lanata																																																			0	0	0
Ephedra viridis																																																			0	0	0
Sarcobatus vermiculatus													1	1																																					2	4	20
Gutierrezia sarothrae																																																			0	0	0
Total Shrubs Cover	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	20
Forbs & Succulents																																																					
Machaeranthera canescens																																																					
Medicago sativa																																																			0	0	0
Medicago L																																																			0	0	0
Melilotus officinalis																																																			0	0	0
Penstemon palmeri																																																			0	0	0
Sphaeralcia coccinea																																																			0	0	0
Sisymbrium altissimum																						1		1	1					1		1											1	1	1							8	16	80
																																																			0	0	0
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	8	16	80
Grasslike																																																					
Agropyron Smithii																																																				0	0	0
Agropyron spicatum																																																			0	0	0
Agropyron cristatum																																																			0	0	0
Agropyron trachycaulum																																																			0	0	0
Bromus tectorum																																																			0	0	0
Elymus Salinus																																																			0	0	0
Elymus cinereus																																																			0	0	0
Elymus gigenteus																																																			0	0	0
Hilaria Jamesii																																																			0	0	0
Oryzopsis hymenoides																																																			0	0	0
Sharion hystrix																																																			0	0	0
Stipa comata																																																			0	0	0
																																																			0	0	0
Total Graminoid Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Trees																																																					
Juniper																																																					
Pinon																																																				0	0	0
																																																			0	0	0
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Vegetation Cover	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	10	20	100
Cryptobiotic										1	1	1			1			1	1																																	8	0 12	
Physical Features																																																					
Litter																																																					
Rock			1	1											1															1																					0	0	
Bare Ground	1	1			1	1	1	1	1								1			1	1		1			1	1	1	1	1			1	1	1	1	1	1	1			1	1	1	1	1		1		5	10	
																																																			20	38	
Total Physical Features																																																					
	1	1	1	1	1	1	1	1	1	1	1	1	3	3	1	1	1	1	1	1	1	3	1	3	3	1	1	1	1	1	3	1	3	1	1	1	1	1	1	1	3	3	3	1	1	1	1	1	1	1	34	68	
Comments:																																																				100	

Horse Canyon Cover Sheet

Date:6/19/08 | Area:Ref | Transect:10 | UTM:[illegible] | Heading:270

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens																																																			0	0	0
Atriplex confertifolia																																																			0	0	0
Atriplex cuneata																																																			0	0	0
Artemisia nova																																																			0	0	0
Artemisia tridentata tridentata																																																			0	0	0
Chrysothamnus nauseosus																																																			0	0	0
Chrysothamnus viscidiflorus																																																			0	0	0
Cowania mexicana																																																			0	0	0
Ceratoides lanata																																																			0	0	0
Ephedra viridis																																																			0	0	0
Sarcobatus vermiculatus																																																			0	0	0
Gutierrezia sarothrae																															1		1																	2	4	15.38461538
																																																				0	
Total Shrubs Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	15.38461538
																																																			0	
Forbs & Broadleafs																																																				0	
Machaeranthera canescens																																																				0	0	0
Medicago sativa																																																				0	0	0
Melilotus officinalis																																																				0	0	0
Penstemon palmeri																																																				0	0	0
Sphaeralcia coccinea																																																				0	0	0
Strymbrium sisimbrium																																																				0	0	0
																																																				0	
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																																																			0	
Grass/oid																																																				0	
Agropyron Smithii																																																				0	0	0
Agropyron spicatum																																																				0	0	0
Agropyron cristatum																																																				0	0	0
Agropyron trachycaulum																																																				0	0	0
Bromus tectorum																																																				0	0	0
Elymus Salinus																											1																										1	2	7.692307692
Elymus cinereus																																																				0	0	0
Elymus giganteus																																																				0	0	0
Hilaria Jamesii																																																				0	0	0
Oryzopsis hymenoides																																																				0	0	0
Stipa comata																																																				0	0	0
																																																				0	
Total Grass/oid Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	7.692307692
																																																			0	
Trees																																																				0	
Juniper																																								1	1	1	1	1	1		1	1	1	1	10	20	76.92307692
Pinon																																																				0	0	0
																																																				0	
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	1	1	1	1	10	20	76.92307692
																																																			0	0
Total Vegetation Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	1	1	1	1	1	1	0	0	1	1	1	1	13	26	100
Cryptobiotic																																																			0	0	
Physical Features																																																					
Litter	1																	1																																			3	6	
Rock				1	1																																													2	4	
Bare Ground		1	1				1	1	1	1	1	1	1	1	1	1	1	1		1	1	1	1	1	1	1	1		1		1		1	1	1	1	1								1					32	64	
Total Physical Features																																																			37	74	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1	1	1	3	1	3	1	1	1	1	1	3	3	3	3	3	3	1	1	3	3	3	3			
Comments:																																																				100	

Horse Canyon Cover Sheet

Date:8/16/03 | Area:Ref | Transect:11 | UTM:0883833/4389124 | Heading:309

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens																																																			0	0	0
Atriplex confertifolia																																																			0	0	0
Atriplex cuneata																																																			0	0	0
Artemisia nova																																																			0	0	0
Artemisia tridentata tridentata																																																			0	0	0
Chrysothamnus nauseosus																																																			0	0	0
Chrysothamnus viscidiflorus																																																			0	0	0
Cowania mexicana																																																			0	0	0
Coryloides lanata																																																			0	0	0
Ephedra viridis																																																			0	0	0
Sarcobatus vermiculatus																																																			0	0	0
Gutierrezia sarothrae																																																		1	1	2	6.25
																																																						0
																																																						0
Total Shrubs Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	2	6.25
																																																					0
Forbs & Ferns/ds																																																						0
Machaeranthera canescens																																																						0
Medicago sativa																																																						0
Melilotus officinalis																																																						0
Penstemon palmeri																																																						0
Sphaeralcia coccinea																																																						0
Stanleya dissimum																																																						0
																																																					0
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																																																					0
Graminoid																																																						0
Agropyron Smithii																																																						0
Agropyron spicatum																																																						0
Agropyron cristatum																																																						0
Agropyron trachycaulum																																																						0
Bromus tectorum		1																																																			1
Elymus Salinus				1	1	1									1																																					2	6.25
Elymus cinereus																																																			1	1	6	12	37.5
Elymus glaucus																																																						0
Hilaria Jamesii																																																						0
Oryzopsis hymenoides																																																						0
Stipa comata																																																						0
																																																					0
Total Graminoid Cover	0	1	0	1	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																																																				7	14	43.75
Trees																																																						0
Juniper																																																						0
Pinon																										1	1				1	1	1	1	1	1																		0	0	0
																																																					8	16	50
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	16	50
																																																					0
Total Vegetation Cover	0	1	0	1	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	0	16	32	100
Cryptobiotic								1						1																																							2	4	
Physical Features																																																						
Litter												1						1												1																									
Rock																																																				4	8	
Bare Ground	1		1				1		1	1	1	1			1	1	1		1	1	1	1	1	1			1	1									1					1			1							3	6	
																																																					25	50	
Total Physical Features																																																					
	1	3	1	3	3	3	1	1	1	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	3	3	1	1	1	3	3	3	3	3	3	1	1	1	1	1	1	1	1	1	1	3	3	3		32	64	
Comments:																																																					100	

Horse Canyon Cover Sheet

Date:8/19/03	Area:Ref						Transect:12								UTM:0[illegible]171																		Heading:308																					
Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																					
Atriplex canescens																																																			0	0	0
Atriplex confertifolia																																																			0	0	0
Atriplex cuneata																																																			0	0	0
Artemisia nova																																																			0	0	0
Artemisia tridentata tridentata																																																			0	0	0
Chrysothamnus nauseosus																																																			0	0	0
Chrysothamnus viscidiflorus																																																			0	0	0
Cowania mexicana																																																			0	0	0
Ceratoides lanata																																																			0	0	0
Ephedra viridis																																																			0	0	0
Sarcobatus vermiculatus																																																			0	0	0
Gutierrezia sarothrae																																																			0	0	0
																																																					0
Total Shrubs Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Forbs & Succulents																																																					0
Machaeranthera canescens																																																					0
Medicago sativa																																																			0	0	0
Melilotus officinalis																																																			0	0	0
Penstemon palmeri																																																			0	0	0
Sphaeralcia coccinea																																																			0	0	0
Sisymbrium altissimum																																																			0	0	0
																																																			0	0	0
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Graminoid																																																					0
Agropyron Smithii																																																					0
Agropyron spicatum																																																			0	0	0
Agropyron cristatum																																																			0	0	0
Agropyron trachycaulum																																																			0	0	0
Bromus tectorum																																																			0	0	0
Elymus Salinus																																																			0	0	0
Elymus cinereus		1	1		1		1		1				1		1				1								1											1						1		1	1				13	26	81.25
Elymus giganteus																																																			0	0	0
Hilaria Jamesii																																																			0	0	0
Oryzopsis hymenoides																																																			0	0	0
Sitanion hystrix																																																			0	0	0
Stipa comata																																																			0	0	0
																																																			0	0	0
Total Graminoid Cover	0	1	1	0	1	0	1	0	1	0	0	0	1	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	1	1	0	0	0	13	26	81.25
Trees																																																					0
Juniper																																																					0
Pinon																																																			0	0	0
																														1				1	1																3	6	18.75
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	6	18.75
Total Vegetation Cover	0	1	1	0	1	0	1	0	1	0	0	0	1	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	1	0	0	0	1	1	0	0	1	0	0	0	0	0	1	0	1	1	0	0	0	16	32	100
Cryptobiotic	1			1																																					1	1	1								5	10	
Physical Features																																																					
Litter																																	1			1															2	4	
Rock																1							1	1	1				1																						5	10	
Bare Ground						1		1		1	1	1		1			1	1		1	1	1				1		1		1	1						1		1	1					1			1	1	1	22	44	
Total Physical Features																																																			29	58	
	1	3	3	1	3	1	3	1	3	1	1	1	3	1	3	1	1	1	3	1	1	1	1	1	1	1	3	1	1	3	1	1	1	3	3	1	1	3	1	1	1	1	1	3	1	3	3	1	1	1			
Comments:																																																				100	

Horse Canyon Cover Sheet

Date:6/16/03 | Area:Ref | Transect:13 | UTM:0883888/4088089 | Heading:92

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens																																																		0	0	0
Atriplex confertifolia																																																	0	0	0
Atriplex cuneata																																																	0	0	0
Artemisia nova																																																	0	0	0
Artemisia tridentata tridentata																																																	0	0	0
Chrysothamnus nauseosus																																																	0	0	0
Chrysothamnus viscidiflorus																																																	0	0	0
Coleogyne ramosissima																																																	0	0	0
Coryphantha vivipara																																																	0	0	0
Ephedra viridis																																																	0	0	0
Sarcobatus vermiculatus																																																	0	0	0
Gutierrezia sarothrae								1																																										1	2	4.545454545
																																																				0
Total Shrubs Cover	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4.545454545
																																																			0
Forbs & Annuals																																																				0
Macheranthera canescens																																																				0
Medicago sativa																																																			0	0	0
Melilotus officinalis																																																		0	0	0
Penstemon palmeri																																																		0	0	0
Sphaeralcea coccinea																																																		0	0	0
Stephanomeria elegans																																																		0	0	0
																																																			0
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																																																			0
Grassland																																																				0
Agropyron Smithii																																																				0
Agropyron spicatum																																																				0	0	0
Agropyron cristatum																																																				0	0	0
Agropyron trachycaulum																																																				0	0	0
Bromus tectorum																																																				0	0	0
Elymus Salinus				1	1	1				1		1																																								0	0	0
Elymus cinereus																																																				5	10	22.72727273
Elymus giganteus																																																				0	0	0
Hilaria Jamesii																		1	1																																		0	0	0
Oryzopsis hymenoides																																																				2	4	9.090909091
Stipa comata																																																				0	0	0
																																																				0	0	0
Total Grassland Cover	0	0	0	1	1	1	0	0	0	0	1	0	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	14	31.81818182
																																																			0
Trees																																																				0
Juniper																							1	1	1	1	1					1	1	1	1	1	1															0
Pinon																																																1	1	1			14	28	63.63636364
																																																			0
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	0	0	14	28	63.63636364
																																																			0
Total Vegetation Cover	0	0	0	1	1	1	0	0	1	0	1	0	1	0	0	0	0	1	1	0	0	0	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	0	0	22	44	100
Cryptobiotic		1						1																																	1	1		1									5	10	
Physical Features																																																					
Litter																																																					
Rock	1																									1																					1					2	4	
Bare Ground			1				1			1		1		1	1	1	1			1	1									1																	1	1				6	12	
0																			1									1	1																				1	1	15	30	
Total Physical Features																																																				
	1	1	1	3	3	3	1	1	3	1	3	1	3	1	1	1	1	3	3	1	1	1	3	3	3	3	3	1	1	1	1	3	3	3	3	3	1	1	1	1	1	1	1	1	3	3	3	1	1	22	46	
Comments:																																																				100		

Horse Canyon Cover Sheet

Date:6/16/09 | Area:Ref | Transect:14 | UTM:0663977/4036697 | Heading:27

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens																																																			0	0	0
Atriplex confertifolia																																																			0	0	0
Atriplex cuneata																																																			0	0	0
Artemisia nova																																																			0	0	0
Artemisia tridentata tridentata																																																			0	0	0
Chrysothamnus nauseosus																																																			0	0	0
Chrysothamnus viscidiflorus																																																			0	0	0
Coleria mexicana																																																			0	0	0
Coryladon lanata																																																			0	0	0
Ephedra viridis																																																			0	0	0
Sarcobatus vermiculatus																																																			0	0	0
Gutierrezia sarothrae																																																			0	0	0
																																																			0	0	0
																																																			0	0	0
Total Shrubs Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Forbs & Succulents																																																							
Machaeranthera canescens																																																						0	0	0
Medicago sativa																																																					0	0	0
Melilotus officinalis																																																					0	0	0
Penstemon palmeri																																																					0	0	0
Sphaeralcia coccinea																																																					0	0	0
Steymbrium altissimum																																																					0	0	0
																																																				0	0	0
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grasslike																																																						
Agropyron Smithii																																																						0	0	0
Agropyron spicatum																																																					0	0	0
Agropyron cristatum																																																					0	0	0
Agropyron trachycaulum																																																					0	0	0
Bromus tectorum																																																					0	0	0
Elymus Salinus																					1	1																															0	0	0
Elymus cinereus																																																					2	4	16.66666667
Elymus elgarteus																																																					0	0	0
Hordeum Jubatum																																																					0	0	0
Oryzopsis hymenoides																																																					0	0	0
Stanlea hyalrix																																																					0	0	0
Stipa comata																																																					0	0	0
																																																				0	0	0
Total Grasslike Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	16.66666667
Trees																																																						0	0	0
Juniper																																																					0	0	0
Pinon																							1	1	1	1	1																		1	1	1	1			1		10	20	83.33333333
																																																				0	0	0
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	1	0	10	20	83.33333333
Total Vegetation Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	1	0	12	24	100
Cryptobiotic																																																					1	2	
Physical Features																																																						
Litter							1	1	1											1									1																								5	10	
Rock										1					1																1	1		1	1	1	1	1	1				1								11	22	
Bare Ground	1	1	1	1	1	1			1		1		1	1	1		1	1	1																				1	1		1					1	1		1	21	42	
Total Physical Features	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	2	1	37	74	
																																																				109	
Comments:																																																					

Horse Canyon Cover Sheet

Date:8/16/03 | Area:Ref | Transect:16 | UTM:0883540/4436070 | Heading:166

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens																																																			0	0	0
Atriplex confertifolia																																																			0	0	0
Atriplex cuneata																																																			0	0	0
Artemisia nova																																																			0	0	0
Artemisia tridentata tridentata																																																			0	0	0
Chrysothamnus nauseosus																																																			0	0	0
Chrysothamnus viscidiflorus																																																			0	0	0
Coleria mollcana																																																			0	0	0
Ceratoides lanata																																																			0	0	0
Ephedra viridis																																																			0	0	0
Sarcobatus vermiculatus																																																			0	0	0
Gutierrezia sarothrae																																																			0	0	0
																																																				0
Total Shrubs Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Forbs & Succulents																																																					
Mechaeranthera canescens																																																					0
Medicago sativa																																																				0	0	0
Melilotus officinalis																																																				0	0	0
Penstemon palmeri																																																				0	0	0
Sphaeralcia coccinea																																																				0	0	0
Stanleya elatinum																																																				0	0	0
																																																				0	0	0
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																																																					0
Grass/gr																																																					
Agropyron Smithii																																																					0
Agropyron spicatum																																																				0	0	0
Agropyron cristatum																																																				0	0	0
Agropyron trachycaulum																																																				0	0	0
Bromus tectorum																																																				0	0	0
Elymus Salinus				1		1																																														0	0	0
Elymus cinereus																																																				2	4	16.66666667
Elymus gigenteus																																																				0	0	0
Hilaria Jamesii																																																				0	0	0
Oryzopsis hymenoides																																																				0	0	0
Sitanion hystrix																																																				0	0	0
Stipa comata																																																				0	0	0
Bromus japonicus							1																																													0	0	0
																																																				1	2	8.333333333
Total Grass/gr Cover	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																																																					3	8	25
Trees																																																							0
Juniper										1																																														
Pinon														1	1	1	1	1																													1	1	1					4	8	33.33333333
																																																					5	10	41.66666667
Total Tree Cover	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	9		0
																																																						18	75
Total Vegetation Cover	0	0	0	1	0	1	1	0	0	1	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	9		0
																																																						24	100
Cryptobiotic																																																							0	0	
Physical Features																																																								
Litter			1		1				1																																														3	6	
Rock		1																																																				3	6	
Bare Ground	1						1				1	1	1						1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1														2	4	
																																																						33	66	
Total Physical Features																																																							39	78	
	1	1	1	3	1	3	3	1	1	3	1	1	1	3	3	3	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3	3	1	1	1	1			
Comments:																																																							100

Horse Canyon Cover Sheet

Date:6/16/23 | Area:16 | Transect:16 | UTM:2883548,4358886 | Heading:174

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens																																																		0	0	0
Atriplex confertifolia																																																		0	0	0
Atriplex cuneata																																																		0	0	0
Artemisia nova																																																		0	0	0
Artemisia tridentata tridentata																																																		0	0	0
Chrysothamnus nauseosus																																																		0	0	0
Chrysothamnus viscidiflorus																																																		0	0	0
Cowania mexicana																																																		0	0	0
Coryloides lanata																																																		0	0	0
Ephedra viridis																																																		0	0	0
Sarcobatus vermiculatus																																																		0	0	0
Gutierrezia sarothrae																																																	1	1	2	0.666666667
																																																					0
Total Shrubs Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0		1	2	0.666666667
																																																					0
Forbs																																																						0
Machaeranthera canescens																																																						0
Medicago sativa																																																					0	0	0
Melilotus officinalis																																																					0	0	0
Penstemon palmeri																																																					0	0	0
Sphaeralcia coccinea																																																					0	0	0
Stevmbrium stevmium																																																					0	0	0
																																																					0	0	0
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0
																																																					0
Graminoid																																																						0
Agropyron Smithii																																																						0
Agropyron spicatum																																																						0	0	0
Agropyron cristatum																																																						0	0	0
Agropyron trachycaulum																																																						0	0	0
Bromus tectorum																																																						0	0	0
Elymus Salinus												1																																									0	0	0
Elymus cinereus																									1																						1		1				1		5	10	33.33333333
Elymus gigantaus																																																						0	0	0
Hilaria Jamesii																																																						0	0	0
Oryzopsis hymenoides																																																						0	0	0
Stanion hystrix																																																						0	0	0
Stipa comata																																																						0	0	0
																																																					0	0	0
Total Graminoid Cover	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	1	0		5	10	33.33333333
Trees																																																						
Juniper	1	1	1	1	1																																																0	0	0
Pinon																																	1	1	1						1	1										9	18	60
																																																					0	9	0
Total Tree Cover	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0		9	18	60
																																																							0
Total Vegetation Cover	0	1	1	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	1	1	0	1	0	0	0	1	1		15	30	100
Cryptobiotic																																				1																		1	2	
Physical Features																																																						
Litter																																																						
Rock																																																					1	2	
Bare Ground	1					1	1	1	1	1	1		1	1	1	1	1	1	1	1	1	1	1	1			1	1	1	1						1			1							1					8	12	
Total Physical Features																																																					27	54	
																																																				34	66	
	1	3	3	3	3	3	1	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	3	1	1	1	1	1	1	3	3	3	1	1	1	1	1	3	3	1	3	1	3	1	1	3	3		100	
Comments:																																																						

Horse Canyon Cover Sheet																																																					
Date:6/16/03	Area:16						Transect:17								UTM:[illegible]																		Heading:111																				
Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relatively Vegetative Cover
Shrubs																																																					
Atriplex canescens																																																			0	0	0
Atriplex confertifolia																																																			0	0	0
Atriplex cuneata																																																			0	0	0
Artemisia nova																																																			0	0	0
Artemisia tridentata tridentata																																																			0	0	0
Chrysothamnus nauseosus																																																			0	0	0
Chrysothamnus viscidiflorus																																																			0	0	0
Cowania mexicana																																																			0	0	0
Ceratoides lanata																																																			0	0	0
Ephedra viridis																																								1											1	2	6.666666667
Sarcobatus vermiculatus																																																			0	0	0
Gutierrezia sarothrae											1																																								1	2	6.666666667
																																																					0
																																																					0
Total Shrub Cover	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2	4	13.33333333
Forbs & Succulents																																																					0
Machaeranthera canescens																																																					0
Medicago sativa																																																			0	0	0
Melilotus officinale																																																			0	0	0
Penstemon palmeri																																																			0	0	0
Sphaeralcea coccinea																																																			0	0	0
Sisymbrium altissimum																																																			0	0	0
																																																			0	0	0
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Graminoid																																																					0
Agropyron Smithii																																																					0
Agropyron spicatum																																																			0	0	0
Agropyron cristatum																																																			0	0	0
Agropyron trachycaulum																																																			0	0	0
Bromus tectorum																																																			0	0	0
Elymus Salinus			1						1	1																																									0	0	0
Elymus cinereus																																																		1	4	8	26.66666667
Elymus giganteus																																																			0	0	0
Hilaria Jamesii																				1																															0	0	0
Oryzopsis hymenoides																																																			1	2	6.666666667
Sitanion hystrix																																																			0	0	0
Stipa comata																																																			0	0	0
																																																			0	0	0
Total Graminoid Cover	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	10	33.33333333
Trees																																																					0
Juniper																																																					0
Pinon																																		1	1		1	1														4	8	26.66666667
															1	1															1	1																			4	8	26.66666667
																																																					0
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	8	16	53.33333333
																																																				0	0
Total Vegetation Cover	0	0	1	0	0	0	0	0	1	1	1	0	0	0	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	1	15	30	100
Cryptobiotic								1																																											1	2	
Physical Features																																																					
Litter	1																																																				
Rock														1			1										1												1												2	4	
																																									1			1		1					6	12	
Bare Ground		1		1	1	1	1					1	1					1	1		1	1	1	1	1	1		1	1	1					1			1				1	1		1		1	1	1		26	52	
Total Physical Features																																																					
																																																			34	68	
	1	1	3	1	1	1	1	1	3	3	3	1	1	1	3	3	1	1	1	3	1	1	1	1	1	1	1	1	1	1	3	3	3	3	1	3	3	1	1	3	1	1	1	1	1	1	1	1	1	3		100	
Comments:																																																					

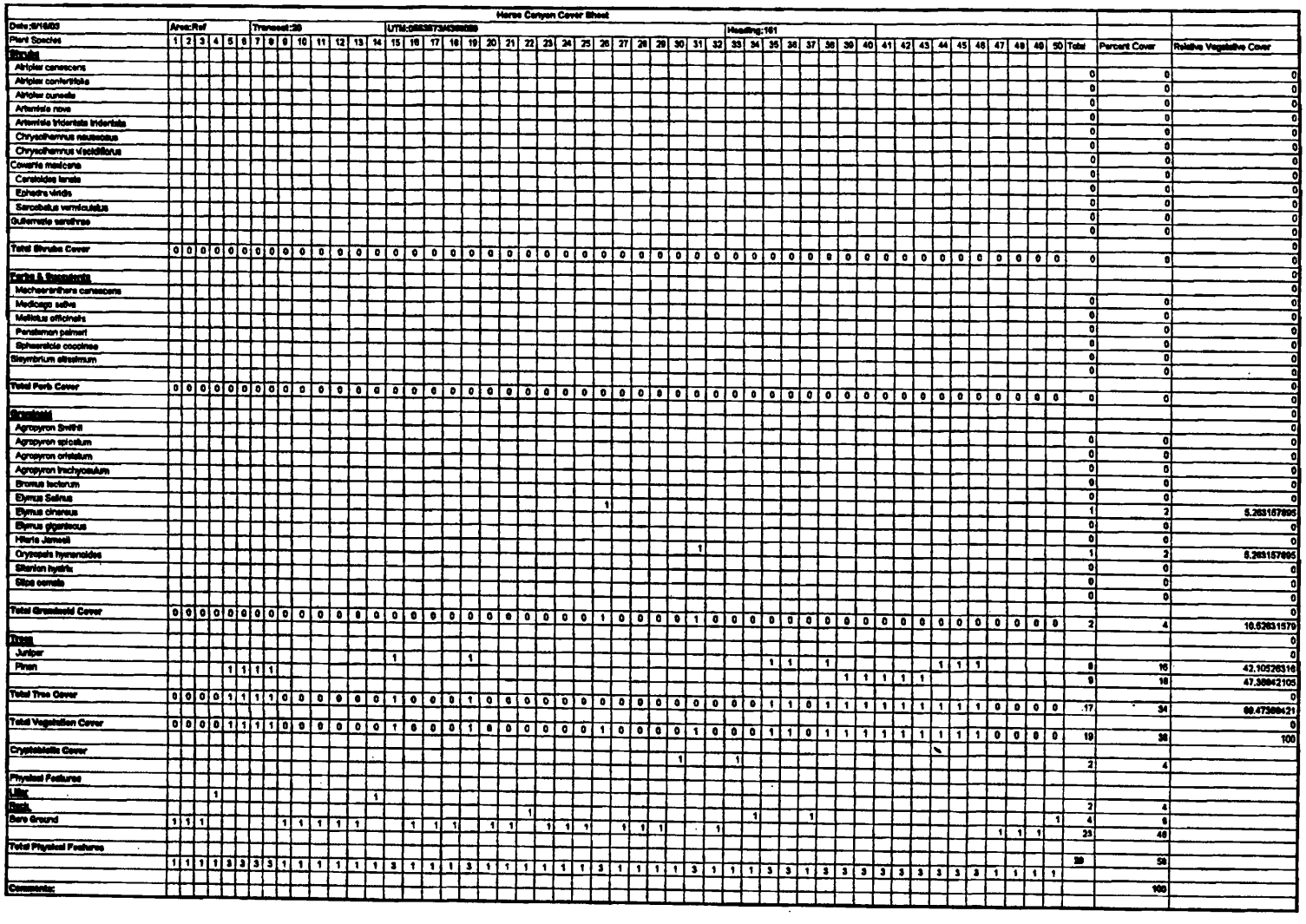
Horse Canyon Cover Sheet

Date:8/18/03	Area:16						Transect:16								UTM:[illegible]																		Heading:2																				
Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relatively Vegetative Cover
Shrubs																																																					
Atriplex canescens																																																			0	0	0
Atriplex confertifolia																																																			0	0	0
Atriplex cuneata																																																			0	0	0
Artemisia nova																																																			0	0	0
Artemisia tridentata tridentata																																																			0	0	0
Chrysothamnus nauseosus																																																			0	0	0
Chrysothamnus viscidiflorus																																																			0	0	0
Cowania mexicana																																																			0	0	0
Ceratoides lanata																																																			0	0	0
Ephedra viridis																																																			0	0	0
Sarcobatus vermiculatus																																																			0	0	0
Gutierrezia sarothrae																																																				0	0	0
																																																					0
																																																					0
Total Shrubs Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																																																					0
Forbs & Succulents																																																					0
Machaeranthera canescens																																																			0	0	0
Medicago sativa																																																			0	0	0
Melilotus officinalis																																																			0	0	0
Penstemon palmeri																																																			0	0	0
Sphaeralcea coccinea																																																			0	0	0
Sisymbrium altissimum																																																			0	0	0
																																																					0
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																																																					0
Graminoid																																																						0
Agropyron smithii																																																			0	0	0
Agropyron spicatum																																																			0	0	0
Agropyron cristatum																																																			0	0	0
Agropyron trachycaulum																																																			0	0	0
Bromus tectorum																																																			0	0	0
Elymus salinus															1																																			1	2	4	11.76470588
Elymus cinereus																																																			0	0	0
Elymus giganteus																																																			0	0	0
Hilaria jamesii																																																			0	0	0
Oryzopsis hymenoides																																																			0	0	0
Sitanion hystrix																																																			0	0	0
Stipa comata																																																			0	0	0
																																																					0
Total Graminoid Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	11.76470588
																																																					0
Trees																																																					0
Juniper																																									1	1	1	1	1	1	1	1	1		9	18	52.94117647
Pinon	1	1	1	1	1	1																																													6	12	35.29411765
																																																					0
Total Tree Cover	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	15	30	88.23529412
																																																					0
Total Vegetation Cover	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	17	34	100
Cryptobiotic																								1	1	1		1									1														5	10	
																																																		0	0	
Litter													1																											1											2	4	
Rock												1				1		1																		1															4	8	
Bare Ground							1	1	1	1	1			1			1		1	1	1	1	1				1		1	1	1	1	1	1	1			1	1												22	44	
																																																				0	
Total Physical Features																																																			33	66	
Comments:	3	3	3	3	3	3	1	1	1	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3	3	3	3	3	3	3	3	3		100	

Horse Canyon Cover Sheet

Date:8/19/03 Area:16 Transect:19 UTM:[illegible] Heading:180

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																					
Atriplex canescens																																																		0	0	0
Atriplex confertifolia																																																		0	0	0
Atriplex cuneata																																																		0	0	0
Artemisia nova																																																		0	0	0
Artemisia tridentata tridentata																																																		0	0	0
Chrysothamnus nauseosus																																																		0	0	0
Chrysothamnus viscidiflorus																																																		0	0	0
Coweria mexicana					1																																												1	2	7.142857143
Ceratoides lanata																																																		0	0	0
Ephedra viridis														1																																			1	2	7.142857143
Sarcobatus vermiculatus																																																		0	0	0
Gutierrezia sarothrae																																																		0	0	0
																																																				0
																																																				0
Total Shrubs Cover	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	14.28571429
																																																				0
Forbs & Succulents																																																				0
Machaeranthera canescens																																																		0	0	0
Medicago sativa																																																		0	0	0
Melilotus officinalis																																																		0	0	0
Penstemon palmeri																																																		0	0	0
Sphaeralcea coccinea																																																		0	0	0
Sisymbrium altissimum																																																		0	0	0
																																																				0
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																																																				0
Graminoid																																																				0
Agropyron Smithii																																																		0	0	0
Agropyron spicatum																																																		0	0	0
Agropyron cristatum																																																		0	0	0
Agropyron trachycaulum																																																		0	0	0
Bromus tectorum																																																		0	0	0
Elymus Salinus							1																						1															1	1		1	5	10	35.71428571
Elymus cinereus																																																		0	0	0
Elymus giganteus																																																		0	0	0
Hilaria Jamesii																																											1						1	2	7.142857143
Oryzopsis hymenoides																																																		0	0	0
Sitanion hystrix																																																		0	0	0
Stipa comata																																																		0	0	0
																																																				0
Total Graminoid Cover	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	1	6	12	42.85714286
																																																				0
Trees																																																				0
Juniper						1											1	1																														3	6	21.42857143
Pinon								1	1	1																																							3	6	21.42857143
																																																				0
Total Tree Cover	0	0	0	0	0	0	1	0	1	1	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	12	42.85714286
																																																				0
Total Vegetation Cover	0	0	0	0	0	1	1	1	1	1	1	0	0	0	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	1	14	28	100
Cryptobiotic																																																1		1	2	
Physical Features																																																					
Litter											1																						1															2	4	
Rock				1											1				1	1	1	1	1	1	1	1			1				1				1								13	26	
Bare Ground	1	1	1	1								1	1		1		1			1								1			1	1		1		1	1	1	1		1		1	1					20	40	
Total Physical Features	1	1	1	1	1	3	3	3	3	3	3	1	1	1	3	1	1	1	3	3	1	1	1	1	1	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	3	1	1	3	3	1	3	35	70	
Comments:																																																					
																																													Total Cover							100	



Horse Canyon Cover Sheet

Date:8/16/03 | Area:Ref | Transect:39 | UTM:0883873/4369889 | Heading:161

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens																																																					
Atriplex confertifolia																																																					
Atriplex cuneata																																																					
Artemisia nova																																																					
Artemisia tridentata tridentata																																																					
Chrysothamnus nauseosus																																																					
Chrysothamnus viscidiflorus																																																					
Cowania mexicana																																																					
Ceratoides lanata																																																					
Ephedra viridis																																																					
Sarcobatus vermiculatus																																																					
Gutierrezia sarothrae																																																					
Total Shrubs Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Forbs & Succulents																																																					
Machaeranthera canescens																																																					
Medicago sativa																																																					
Melilotus officinalis																																																					
Penstemon palmeri																																																					
Sphaeralcia coccinea																																																					
Sisymbrium altissimum																																																					
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grasslike																																																					
Agropyron Smithii																																																					
Agropyron spicatum																																																					
Agropyron cristatum																																																					
Agropyron trachycaulum																																																					
Bromus tectorum																																																					
Elymus Salinus																																																					
Elymus cinereus																										1																												
Elymus giganteus																																																					
Hilaria Jamesii																																																					
Oryzopsis hymenoides																																1																						
Sitanion hystrix																																																					
Stipa comata																																																					
Total Grasslold Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	10.62631579
Trees																																																					
Juniper															1				1																																					
Pinon					1	1	1	1																										1	1		1						1	1							8	16	42.10526316
																																					1	1	1	1	1											9	18	47.36842105
Total Tree Cover	0	0	0	0	1	1	1	1	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	17	34	89.47368421
Total Vegetation Cover	0	0	0	0	1	1	1	1	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	1	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	19	38	100
Cryptobiotic Cover																														1			1																				2	4	
Physical Features																																																					
Litter				1										1																																							
Rock																						1																														2	4	
Bare Ground	1	1	1						1	1	1	1	1		1	1	1		1	1		1	1	1		1	1	1		1			1			1													1	1	1	23	46	
Total Physical Features	1	1	1	1	1	3	3	3	3	1	1	1	1	1	1	3	1	1	1	3	1	1	1	1	1	1	3	1	1	1	1	3	1	1	1	3	3	1	3	3	3	3	3	3	3	1	1	1	1		39	58	
Comments:																																																				100		

Horse Canyon Cover Sheet

Date:8/1/409 | Area:Ref | Transect:20 | UTM:[illegible] | Heading:161

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens																																																		0	0	0
Atriplex confertifolia																																																		0	0	0
Atriplex cuneata																																																		0	0	0
Artemisia nova																																																		0	0	0
Artemisia tridentata tridentata																																																		0	0	0
Chrysothamnus nauseosus																																																		0	0	0
Chrysothamnus viscidiflorus																																																		0	0	0
Coleria mexicana																																																		0	0	0
Ceratoides lanata																																																		0	0	0
Ephedra viridis																																																		0	0	0
Sarcobatus vermiculatus																																																		0	0	0
Gutierrezia sarothrae																																																		0	0	0
																																																	0	0	0
Total Shrubs Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Forbs & Succulents																																																					
Machaeranthera canescens																																																					0	0	0
Medicago sativa																																																		0	0	0
Melilotus officinalis																																																		0	0	0
Penstemon palmeri																																																		0	0	0
Sphaeralcea coccinea																																																		0	0	0
Stanleya albescens																																																		0	0	0
																																																	0	0	0
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grassoid																																																					
Agropyron Smithii																																																					0	0	0
Agropyron spicatum																																																				0	0	0
Agropyron cristatum																																																				0	0	0
Agropyron trachycaulum																																																			0	0	0
Bromus tectorum																																																			0	0	0
Elymus Salina																																																			0	0	0
Elymus cinereus																										1																										1	2	5.263157895
Elymus gigantecus																																																			0	0	0
Hilaria Jamesii																																																			0	0	0
Oryzopsis hymenoides																															1																				1	2	5.263157895
Sitanion hystrix																																																			0	0	0
Stipa comata																																																			0	0	0
																																																		0	0	0
Total Grassoid Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	10.52631579
Trees																																																					
Juniper															1				1																																			0		0
Pinus					1	1	1	1																									1	1		1							1	1	1						8	16	42.10526316
																																								1	1	1	1	1							9	18	47.36842105
Total Tree Cover	0	0	0	0	1	1	1	1	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1	1	1	1	1	1	1	1	0	0	0	0	17	34	89.47368421
																																																					0
Total Vegetation Cover	0	0	0	0	1	1	1	1	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1	1	0	1	1	1	1	1	1	1	1	1	0	0	0	0	19	38	100
Cryptobiotic Cover																														1			1																			2	4	
Physical Features																																																					
Litter				1										1																																							
Rock																						1																															2	4	
Bare Ground	1	1	1						1	1	1	1	1			1	1	1		1	1		1	1	1		1	1	1		1			1			1													1	4	8	
																																																	1	1	1	23	46	
Total Physical Features																																																				
	1	1	1	1	3	3	3	3	1	1	1	1	1	1	3	1	1	1	3	1	1	1	1	1	1	3	1	1	1	1	3	1	1	1	3	3	1	3	3	3	3	3	3	3	1	1	1	1		39	58	
Comments:																																																				100		

Horse Canyon Cover Sheet

Date:6/16/03 | Area:Ref | Transect:21 | UTM:0663817/4369144 | Heading:12

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens																																																			0	0	0
Atriplex confertifolia																																																			0	0	0
Atriplex cuneata																																																			0	0	0
Artemisia nova																																																			0	0	0
Artemisia tridentata tridentata																																																			0	0	0
Chrysothamnus nauseosus																																																			0	0	0
Chrysothamnus viscidiflorus																																																			0	0	0
Coleria mollena																																																			0	0	0
Corialoides lanata																																																			0	0	0
Ephedra viridis																																																			0	0	0
Sarcobatus vermiculatus																																																			0	0	0
Gutierrezia sarothrae																																						1													1	2	3.571429571
																																																						0
Total Shrubs Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3.571429571
																																																					0
Forbs & Succulents																																																						0
Machaeranthera canescens																																																						0
Medicago sativa																																																						0	0	0
Melilotus officinalis																																																						0	0	0
Penstemon palmeri																																																						0	0	0
Sphaeralcia coccinea																																																						0	0	0
Stephanium stellatum																																																						0	0	0
																																																						0
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																																																					0
Graminoid																																																							0
Agropyron Smithii																																																						0
Agropyron spicatum																																																						0	0	0
Agropyron cristatum																																																						0	0	0
Agropyron trachycaulum																																																						0	0	0
Bromus tectorum																																																						0	0	0
Elymus Salinus																																																						0	0	0
Elymus cinereus																							1	1																							1			1					4	8	14.28571429
Elymus glaucus																																																						0	0	0
Hilaria Jamesii																																																						0	0	0
Oryzopsis hymenoides																																																						0	0	0
Stanton hystrix																																																						0	0	0
Stipa comata																																																						0	0	0
																																																						0	0	0
Total Graminoid Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	4	8	14.28571429
Trees																																																							0
Juniper										1	1	1	1	1	1	1	1	1	1	1							1	1	1	1	1	1	1	1	1	1	1	1																	0
Pinon																																																						23	46	82.14285714
																																																					0	0	0
Total Tree Cover	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	23	46	82.14285714
																																																					0
Total Vegetation Cover	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1	0	0	1	0	0	28	56	100
Cryptobiotic Cover																																																						0
																																																					2	4
Physical Features																																																						
Litter																																																					
Rock			1																																																0	0	
Bare Ground	1	1		1	1	1	1	1													1	1			1	1																1	1		1								5	10	
																																							1							1		1				15	30	
Total Physical Features																																																					
	1	1	1	1	1	1	1	1	1	3	3	3	3	3	3	3	3	3	3	3	1	1	3	3	1	1	3	3	3	3	3	3	3	3	3	3	3	1	1	1	1	1	1	3	1	1	3	1	1		28	40	
																																																						100	
Comments:																																																						

Horse Canyon Cover Sheet																																																					
Date:6/16/05	Area:Ref						Transect:22								UTM:[illegible]																		Heading:3[illegible]2																				
Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																					
Atriplex canescens																																																			0	0	0
Atriplex confertifolia																																																			0	0	0
Atriplex cuneata																																																			0	0	0
Artemisia nova																																																			0	0	0
Artemisia tridentata tridentata																																																			0	0	0
Chrysothamnus nauseosus																																																			0	0	0
Chrysothamnus viscidiflorus																																																			0	0	0
Cowania mexicana																																																			0	0	0
Ceratoides lanata																																																			0	0	0
Ephedra viridis																																																			0	0	0
Sarcobatus vermiculatus																																																			0	0	0
Gutierrezia sarothrae																																																			0	0	0
																																																					0
Total Shrubs Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																																																					0
Forbs & Succulents																																																			0	0	0
Machaeranthera canescens																																																			0	0	0
Medicago sativa																																																			0	0	0
Melilotus officinalis																																																			0	0	0
Penstemon palmeri																																																			0	0	0
Sphaeralcia coccinea																																																			0	0	0
Sisymbrium altissimum																																																			0	0	0
																																																					0
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																																																					0
Graminoid																																																					0
Agropyron Smithii																																																			0	0	0
Agropyron spicatum																																																			0	0	0
Agropyron cristatum																																																			0	0	0
Agropyron trachycaulum																																																			0	0	0
Bromus tectorum																																																			0	0	0
Elymus Salinus															1										1																										2	4	10.52631579
Elymus cinereus																																																			0	0	0
Elymus giganteus																																																			0	0	0
Hilaria Jamesii																																																			0	0	0
Oryzopsis hymenoides																																																			0	0	0
Sitanion hystrix																																																			0	0	0
Stipa comata																																																			0	0	0
																																																					0
Total Graminoid Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	10.52631579
																																																					0
Trees																																																					0
Juniper			1		1	1	1	1	1	1	1																																								17	34	89.47368421
Pinon																										1	1	1								1	1	1	1	1									1		0	0	0
																																																			0	0	0
Total Tree Cover	0	0	1	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	1	0	17	34	89.47368421
																																																					0
Total Vegetation Cover	0	0	1	0	1	1	1	1	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	1	0	19	38	100
Cryptobiotic Cover																																																					
																1	1														1	1	1																		5	10	
Physical Features																																																					
Litter																																																					
Rock				1																			1																		1	1	1				1	1			5	10	
Bare Ground	1	1																																																1	3	8	
												1	1	1				1	1	1	1	1		1					1	1				1	1									1	1	1					18	38	
Total Physical Features																																																				0	
																																																			36	52	
	1	1	3	1	3	3	3	3	3	3	3	1	1	1	3	1	1	1	1	1	1	1	1	1	3	3	3	3	1	1	1	1	1	1	1	3	3	3	3	3	1	1	1	1	1	1	1	1	3	1		100	
Comments:																																																					

Horse Canyon Cover Sheet

Date:8/14/99 | Area:Ref | Transect:23 | UTM:0883264/4089131 | Heading:98

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens																																																		0	0	0
Atriplex confertifolia																																																		0	0	0
Atriplex cuneata																																																		0	0	0
Artemisia nova																																																		0	0	0
Artemisia tridentata tridentata																																																		0	0	0
Chrysothamnus nauseosus																																																		0	0	0
Chrysothamnus viscidiflorus																																																		0	0	0
Coverta mexicana																																																		0	0	0
Ceratoides lanata																																																		0	0	0
Ephedra viridis																																																		0	0	0
Sarcobatus vermiculatus																																																		0	0	0
Gutierrezia sarothrae																																																		0	0	0
Total Shrubs Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Forbs & Succulents																																																				
Mechanithera canescens																																																		0	0	0
Medicago sativa																																																		0	0	0
Melilotus officinalis																																																		0	0	0
Penstemon palmeri																																																		0	0	0
Sphaeralcia coccinea																																																		0	0	0
Sisymbrium altissimum																																																		0	0	0
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grassoid																																																			
Agropyron Smithii																																																				
Agropyron spicatum																																																		0	0	0
Agropyron cristatum																																																		0	0	0
Agropyron trachycaulum																																																		0	0	0
Bromus tectorum																																																		0	0	0
Elymus Salinus																																																		0	0	0
Elymus cinereus																																																	1	1	2	9.090909091
Elymus glaucinus																																																		0	0	0
Hilaria Jamesii		1		1																																														0	0	0
Oryzopsis hymenoides																																																		2	4	18.18181818
Stipidion hybrid																																																		0	0	0
Stipa comata																																																		0	0	0
Total Grassoid Cover	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	3	9	37.37272727
Trees																																																				
Juniper																																																				0
Pinon																																								1	1	1	1	1	1	1						7	14	85.85636364
																																														1				1	2	9.090909091
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	8	16	72.72727273
Total Vegetation Cover	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	11	22	100
Cryptobiotic			1			1	1		1						1			1			1				1																											8	16	
Physical Features																																																			
Litter																																																				
Rock																																									1	1									2	4	
Bare Ground	1				1			1		1	1	1	1	1		1	1			1	1		1	1		1	1	1	1	1		1	1	1	1	1	1	1	1	1									1	1	20	0	0
Total Physical Features	1	3	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3	3	3	3	3	3	3	1	1		31	62	
Comments:																																																		100	

Horse Canyon Cover Sheet

Date:6/16/03 | Area:Ref | Transect:24 | UTM:[illegible] | Heading:28

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relatively Vegetative Cover
Shrubs																																																					
Atriplex canescens																																																			0	0	0
Atriplex confertifolia																																																			0	0	0
Atriplex cuneata																																																			0	0	0
Artemisia nova																																																			0	0	0
Artemisia tridentata tridentata																																																			0	0	0
Chrysothamnus nauseosus																																																			0	0	0
Chrysothamnus viscidiflorus																																																			0	0	0
Cowania mexicana																																																			0	0	0
Ceratoides lanata																																																			0	0	0
Ephedra viridis																																																			0	0	0
Sarcobatus vermiculatus																																																			0	0	0
Gutierrezia sarothrae																																																			0	0	0
																																																					0
Total Shrubs Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Forbs & Succulents																																																					0
Machaeranthera canescens																																																			0	0	0
Medicago sativa																																																			0	0	0
Melilotus officinalis																																																			0	0	0
Penstemon palmeri																																																			0	0	0
Sphaeralcea coccinea																																																			0	0	0
Sisymbrium altissimum																																																			0	0	0
																																																			0	0	0
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Graminoid																																																					0
Agropyron Smithii																																																			0	0	0
Agropyron spicatum																																																			0	0	0
Agropyron cristatum																																																			0	0	0
Agropyron trachycaulum																																																			0	0	0
Bromus tectorum																																																			0	0	0
Elymus Salinus																																																			0	0	0
Elymus cinereus																																																			0	0	0
Elymus giganteus																																																			0	0	0
Hilaria Jamesii																																																			0	0	0
Oryzopsis hymenoides																																																			0	0	0
Sitanion hystrix																																																			0	0	0
Stipa comata																																																			0	0	0
																																																			0	0	0
Total Graminoid Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Trees																																																					0
Juniper																																							1	1												2	4	22.2222222
Pinon																																		1	1	1	1							1	1	1					7	14	77.7777778
																																																				0	0
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	1	1	1	0	0	0	0	9	18	100
																																																				0	0
Total Vegetation Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	1	1	1	0	0	0	0	9	18	100
Cryptobiotic																																																				0	
																										1	1																				1				3	6	
Physical Features																																																					
Litter			1	1																					1																1										4	8	
Rock															1		1				1										1											1	1								6	12	
Bare Ground	1	1			1	1	1	1	1	1	1	1	1	1		1		1	1	1		1	1	1				1	1	1		1	1							1								1	1	1	28	56	
																																																				0	
Total Physical Features																																																			38	70	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3	3	3	3	3	1	1	1	1	3	3	3	1	1	1	1		100	
Comments:																																																					

Horse Canyon Cover Sheet

Date:9/1999 | Area:Ref | Transect:26 | UTM:0557999/4589147 | Heading:289

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens																																																			0	0	0
Atriplex confertifolia																																																			0	0	0
Atriplex cuneata																																																			0	0	0
Artemisia nova																																																			0	0	0
Artemisia tridentata tridentata																																																			0	0	0
Chrysothamnus nauseosus																																																			0	0	0
Chrysothamnus viscidiflorus																																																			0	0	0
Cowania mexicana																																																			0	0	0
Coreiodes tenuis																																																			0	0	0
Ephedra viridis																																																			0	0	0
Sarcobatus vermiculatus																																																			0	0	0
Gutierrezia sarothrae																										1																										1	2	3.448275862
Total Shrubs Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3.448275862
Forbs & Succulents																																																						0
Machaeranthera canescens																																																					0	0	0
Medicago sativa																																																					0	0	0
Melilotus officinalis																																																					0	0	0
Penstemon palmeri																																																					0	0	0
Sphaeralcea coccinea																	1																																			1	2	3.448275862
Stephanomeria tenuifolia																																																					0	0	0
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3.448275862
Graminoid																																																					0
Agropyron Smithii																																																					0	0	0
Agropyron scleratum																																																					0	0	0
Agropyron cristatum																																																					0	0	0
Agropyron trachycaulum																																																					0	0	0
Bromus tectorum								1	1																																											0	0	0
Elymus Salinus				1	1		1				1	1	1	1									1	1	1				1	1								1			1	1	1			1						7	14	24.13793103
Elymus cinereus																																	1	1			1	1						1	1							10	36	62.06896552
Elymus gigantaus																																																					0	0	0
Hilaria Jamesii																																																					0	0	0
Oryzopsis hymenoides																																																					0	0	0
Stanion hystrix																																																					0	0	0
Stipa comata																																																					0	0	0
Vulpia octoflora			.		1															1																																	0	0	0
Total Graminoid Cover	0	0	0	1	1	1	1	0	1	1	1	1	1	1	1	1	0	0	0	0	0	1	0	0	1	1	1	0	0	1	1	0	0	0	1	1	0	1	1	1	1	1	1	0	1	1	1	0	0	0	27	54	93.10344828
Trees																																																				0
Juniper																																																					0	0	0
Pinon																																																					0	0	0
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Vegetation Cover	0	0	0	1	1	1	1	0	1	1	1	1	1	1	1	0	0	1	0	0	1	0	0	1	1	1	1	0	1	1	0	0	0	1	1	0	1	1	1	1	1	1	0	1	1	1	0	0	0	0	29	58	100
Cryptobiotic			1																			1	1																													3	6	
Physical Features																																																					0	0	
Litter																																																					0	0	
Rock																																																					0	0	
Bare Ground	1	1					1								1	1	1	1	1								1			1	1	1		1									1				1		1		2	4	
Total Physical Features	1	1	1	3	3	3	1	3	3	3	3	3	3	3	1	1	4	1	1	3	1	1	3	3	3	3	1	3	3	1	1	1	3	3	1	3	3	3	3	3	1	3	3	3	1	1	1	1	1		17	34	
																																																			19	38	
Comments:																																																						100

Horse Canyon Cover Sheet																																																					
Date:8/18/03	Area:Ref						Transect:28								UTM:0663983/4369202																		Heading:184																				
Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																					
Atriplex canescens																																																			0	0	0
Atriplex confertifolia																																																			0	0	0
Atriplex cuneata																																																			0	0	0
Artemisia nova																																																			0	0	0
Artemisia tridentata tridentata																																																			0	0	0
Chrysothamnus nauseosus																																																			0	0	0
Chrysothamnus viscidiflorus																																																			0	0	0
Cowania mexicana																																																			0	0	0
Ceratoides lanata																																																			0	0	0
Ephedra viridis																																																			0	0	0
Sarcobatus vermiculatus																																																			0	0	0
Gutierrezia sarothrae																																																			0	0	0
																																																					0
Total Shrubs Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																																																			0	0
Forbs & Succulents																																																			0	0	0
Machaeranthera canescens																																																			0	0	0
Medicago sativa																																																			0	0	0
Melilotus officinalis																																																			0	0	0
Penstemon palmeri																																																			0	0	0
Sphaeralcia coccinea																																																			0	0	0
Sisymbrium altissimum																																																			0	0	0
																																																					0
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																																																					0
Graminoid																																																					0
Agropyron Smithii																																																			0	0	0
Agropyron spicatum																																																			0	0	0
Agropyron cristatum																																																			0	0	0
Agropyron trachycaulum																																																			0	0	0
Bromus tectorum																																																			0	0	0
Elymus Salinus																								1	1	1			1		1		1	1	1		1		1	1		1			1		1				14	28	46.6666667
Elymus cinereus					1			1	1										1											1		1																			6	12	20
Elymus giganteus																																																			0	0	0
Hilaria Jamesii																																																			0	0	0
Oryzopsis hymenoides																																																			0	0	0
Sitanion hystrix																																																			0	0	0
Stipa comata																																																			0	0	0
Vulpia octoflora				1																																															0	0	0
																																																			1	2	3.333333333
Total Graminoid Cover	0	0	0	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	1	0	0	1	1	1	1	1	1	1	0	1	0	1	1	0	1	0	0	1	0	1	0	0	0	0	0	0
																																																			21	42	70
Trees																																																					0
Juniper										1	1	1	1	1	1	1	1	1																																	0	0	0
Pinon																																																			9	18	30
																																																			0	0	0
Total Tree Cover	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																																																			9	18	30
Total Vegetation Cover	0	0	0	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	0	0	1	1	1	1	1	1	1	0	1	0	1	1	0	1	0	0	1	0	1	0	0	0	0	0	0
																																																			30	60	100
Cryptobiotic	1																																																				
																																																		1	2	4	
Physical Features																																																					
Litter		1																																																			
Rock			1																		1	1																													1	2	
Bare Ground						1	1																																						1				1		5	10	
																				1			1				1	1								1		1			1		1			1		1			12	24	
Total Physical Features																																																					
	1	1	1	3	3	1	1	3	3	3	3	3	3	3	3	3	3	3	3	1	1	1	1	3	3	3	1	1	3	3	3	3	3	3	3	1	3	1	3	3	1	3	1	1	3	1	3	1	1	1	18	36	
Comments:																																																				100	

Horse Canyon Cover Sheet																																																					
Date:6/16/03	Area:Ref						Transect:27								UTM:[illegible]																		Heading:180																					
Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																					
Atriplex canescens																																																			0	0	0
Atriplex confertifolia																																																			0	0	0
Atriplex cuneata																																																			0	0	0
Artemisia nova																																																			0	0	0
Artemisia tridentata tridentata																																																			0	0	0
Chrysothamnus nauseosus																																																			0	0	0
Chrysothamnus viscidiflorus																																																			0	0	0
Cowania mexicana																																																			0	0	0
Ceratoides lanata																																																			0	0	0
Ephedra viridis																																																			0	0	0
Sarcobatus vermiculatus																																																			0	0	0
Gutierrezia sarothrae																																																			0	0	0
																																																					0
Total Shrub Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																																																					0
Forbs & Succulents																																																			0	0	0
Machaeranthera canescens																																																			0	0	0
Medicago sativa																																																			0	0	0
Melilotus officinalis																																																			0	0	0
Penstemon palmeri																																																			0	0	0
Sphaeralcia coccinea																																																			0	0	0
Sisymbrium altissimum																																																			0	0	0
																																																					0
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																																																					0
Graminoid																																																			0	0	0
Agropyron Smithii																																																			0	0	0
Agropyron spicatum																																																			0	0	0
Agropyron cristatum																																																			0	0	0
Agropyron trachycaulum																																																			0	0	0
Bromus tectorum	1	1	1			1			1		1																																								6	12	27.27272727
Elymus Salinus																																																			0	0	0
Elymus cinereus																																																			0	0	0
Elymus giganteous																																																			0	0	0
Hilaria Jamesii															1																																				1	2	4.545454545
Oryzopsis hymenoides																																																			0	0	0
Sitanion hystrix																																																			0	0	0
Stipa comata																																																			0	0	0
Vulpia octoflora																				1																															1	2	4.545454545
																																																					0
Total Graminoid Cover	1	1	1	0	0	1	0	0	1	0	1	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	16	36.36363636
																																																					0
Trees																																																					0
Juniper																																1	1	1	1	1	1	1	1	1	1	1	1	1					1		14	28	63.63636364
Pinon																																																				0	0
																																																					0
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	0	14	28	63.63636364
																																																					0
Total Vegetation Cover	1	1	1	0	0	1	0	0	1	0	1	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	0	22	44	100
Cryptobiotic				1																																														1	2	4	
Physical Features																																																					
Litter																																															1	1			2	4	
Rock																					1		1																												2	4	
Bare Ground					1		1	1		1		1	1	1		1	1	1	1			1		1	1	1	1	1	1	1	1														1	1					22	44	
Total Physical Features																																																			26	52	
	3	3	3	1	1	3	1	1	3	1	3	1	1	1	3	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	3	3	3	3	3	3	3	3	3	3	3	3	3	1	1	1	1	3	1		100	
Comments:																																																					

Horse Canyon Cover Sheet

Date:8/16/03 | Area:Ref | Transect:20 | UTM:0[illegible]4[illegible]170 | Heading:360

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens																																																			0	0	0
Atriplex confertifolia																																																			0	0	0
Atriplex cuneata																																																			0	0	0
Artemisia nova																																																			0	0	0
Artemisia tridentata tridentata																																																			0	0	0
Chrysothamnus nauseosus																																																			0	0	0
Chrysothamnus viscidiflorus																																																			0	0	0
Cowania mexicana																																																			0	0	0
Ceratoides lanata																																																			0	0	0
Ephedra viridis																																																			0	0	0
Sarcobatus vermiculatus																																																			0	0	0
Gutierrezia sarothrae																																																			0	0	0
																																																			0	0	0
Total Shrubs Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																																																					0
Forbs & Succulents																																																						
Machaeranthera canescens																																																				0	0	0
Medicago sativa																																																				0	0	0
Melilotus officinalis																																																				0	0	0
Penstemon palmeri																																																				0	0	0
Sphaeralcea coccinea																																																				0	0	0
Stephanomeria elegans																																																				0	0	0
																																																			0	0	0
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																																																				0
Graminoid																																																						0
Agropyron Smithii																																																				0	0	0
Agropyron spicatum																																																				0	0	0
Agropyron cristatum																																																				0	0	0
Agropyron trachycaulum																																																				0	0	0
Bromus tectorum																																																				0	0	0
Elymus Salinus																																																				0	0	0
Elymus cinereus																			1																																		1	2	6.666666667
Elymus glaucinus																																																				0	0	0
Hilaria Jamesii	1																																																			0	0	0
Oryzopsis hymenoides																																																				1	2	6.666666667
Stipa comata																																																				0	0	0
																																																			0	0	0
Total Graminoid Cover	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	13.33333333
																																																					0
Trees																																																						0
Juniper								1																																														0
Pinon									1	1												1	1	1			1	1	1	1	1	1																	1				11	22	73.33333333
																																																					2	4	13.33333333
Total Tree Cover	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	13	26	86.66666667
																																																					0
Total Vegetation Cover	1	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	1	0	0	1	1	1	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	15	30	100
Cryptobiotic							1											1																																		1	3	8
Physical Features																																																					
Litter				1							1																																										0
Rock			1																														1				1													4	8
Bare Ground		1			1	1						1	1	1	1	1	1	0						1	1								1		1	1				1										4	8
																																																				24	48
Total Physical Features																																																					
	3	1	1	1	1	1	1	3	3	3	1	1	1	1	1	1	1	1	3	1	1	3	3	3	1	1	3	3	3	3	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1	1		32	64	
																																																					100
Comments:																																																					
plentiful, small white daisy, buckwheat present																																																					

Horse Canyon Cover Sheet																																																					
Date:9/18/08	Area:Ref						Transect:29								UTM:[illegible]																		Heading:73																				
Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																					
Atriplex canescens																																																			0	0	0
Atriplex confertifolia																																																			0	0	0
Atriplex cuneata																																																			0	0	0
Artemisia nova																																																			0	0	0
Artemisia tridentata tridentata																																																			0	0	0
Chrysothamnus nauseosus																																																			0	0	0
Chrysothamnus viscidiflorus																																																			0	0	0
Cowania mexicana																																																			0	0	0
Ceratoides lanata																																																			0	0	0
Ephedra viridis																																																			0	0	0
Sarcobatus vermiculatus																																																			0	0	0
Gutierrezia sarothrae																										1																									1	2	5.263157895
																																																					0
Total Shrubs Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	5.263157895
																																																				0	0
Forbs & Succulents																																																			0	0	0
Machaeranthera canescens																																																			0	0	0
Medicago sativa																																																			0	0	0
Melilotus officinalis																																																			0	0	0
Penstemon palmeri																																																			0	0	0
Sphaeralcea coccinea																																																			0	0	0
Sisymbrium altissimum																																																			0	0	0
																																																					0
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																																																					0
Graminoid																																																			0	0	0
Agropyron Smithii																																																			0	0	0
Agropyron spicatum																																																			0	0	0
Agropyron cristatum																																																			0	0	0
Agropyron trachycaulum																																																			0	0	0
Bromus tectorum																																																			0	0	0
Elymus Salinus	1																												1		1																				3	6	15.78947368
Elymus cinereus																																																			0	0	0
Elymus glaucus																																																			0	0	0
Hilaria Jamesii																																																			0	0	0
Oryzopsis hymenoides																																																			0	0	0
Sitanion hystrix																																																			0	0	0
Stipa comata																																																			0	0	0
																																																					0
Total Graminoid Cover	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	6	15.78947368
																																																					0
Trees																																																					0
Juniper												1	1	1		1	1	1														1	1	1	1	1								1	1	1	1				15	30	78.94736842
Pinon																																																			0	0	0
																																																					0
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	15	30	78.94736842
																																																					0
Total Vegetation Cover	1	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	1	1	0	0	0	0	0	0	0	1	0	0	1	0	1	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	19	38	100
Cryptobiotic		1		1					1																												1													1	5	10	
Physical Features																																																					
Litter																																																			0	0	
Rock						1	1	1											1	1	1						1			1											1	1									10	20	
Bare Ground			1		1					1	1				1							1	1	1	1			1										1	1	1			1					1	1		16	32	
Total Physical Features																																																			26	52	
	3	1	1	1	1	1	1	1	1	1	1	3	3	3	1	3	3	3	1	1	1	1	1	1	1	3	1	1	3	1	3	3	3	3	3	3	1	1	1	1	1	1	1	3	3	3	3	1	1			100	
Comments:																																																					

Horse Canyon Cover Sheet

Date:6/16/09 | Area:Ref | Transect:39 | UTM:0883838/4388106 | Heading:168

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																			
Atriplex canescens																																																					
Atriplex confertifolia																																																			0	0	0
Atriplex cuneata																																																			0	0	0
Artemisia nova																																																			0	0	0
Artemisia tridentata tridentata																																																			0	0	0
Chrysothamnus nauseosus																																																			0	0	0
Chrysothamnus viscidiflorus																																																			0	0	0
Coreria mexicana																																																			0	0	0
Ceratoides lanata																																																			0	0	0
Ephedra viridis																																																			0	0	0
Sarcobatus vermiculatus																																																			0	0	0
Gutierrezia sarothrae																																																			0	0	0
																																																			0	0	0
Total Shrubs Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Forbs																																																						
Machaeranthera canescens																																																				0	0	0
Medicago sativa																																																				0	0	0
Melilotus officinalis																																																			0	0	0
Penstemon palmeri																																																			0	0	0
Sphaeralcia coccinea																																																			0	0	0
Sisymbrium altissimum																																																			0	0	0
																																																			0	0	0
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grass/oid																																																					
Agropyron Smithii														1														1																									0	0	0
Agropyron spicatum																																																				0	0	0
Agropyron cristatum																																																				0	0	0
Agropyron trachycaulum																																																				0	0	0
Bromus tectorum																																																				0	0	0
Elymus Salinus																																																				0	0	0
Elymus cinereus																																																				3	8	30
Elymus glaucus																																																				0	0	0
Hilaria Jamesii																																																				0	0	0
Oryzopsis hymenoides																																																				0	0	0
Stipa comata																																																				0	0	0
																																																			0	0	0
Total Grass/oid Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	8	30
Trees																																																						
Juniper					1	1																																																
Pinon																														1	1																			1	1	8	12	60
																																				1															1	2	10
Total Tree Cover	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	7	14	70
																																																					0
Total Vegetation Cover	0	0	0	0	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	1	0	0	10	20	100
Cryptobiotic																			1																																					
																																																					1	4	8
Physical Features																																																						
Litter																					1						1																												
Rock								1			1				1	1	1			1			1		1																													4	8
Bare Ground	1	1	1	1			1	1		1	1		1						1			1		1									1	1	1																9	18
																																																				23	46
Total Physical Features																																																					36	72
Comments:	1	1	1	1	3	3	1	1	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	3	1	3	3	1	1	1	1	3	3	1	1	1	1	1	1	1	1	1	1	1	3	3	1		100	

Area 3 Cover Summary

Cover Type	Transect #															Site Average	Std. Dev.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15		
Shrubs	36	24	32	32	10	32	22	34	26	20	50	42	56	42	38	33.07	11.85
Forbs	2	2	4	6	4	6	20	4	6	10	0	2	8	10	14	6.53	5.26
Grasses	56	58	42	52	78	46	42	56	54	44	28	48	24	30	40	46.53	13.64
Trees	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Vegetation	94	84	78	90	92	84	84	94	86	74	78	92	88	82	92	86.13	6.30
Cryptobiotic	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0.13	.52
Physical Features	6	16	22	10	8	14	16	6	14	26	22	8	12	18	8	13.73	6.27

Area 6 Cover Summary

Cover Type	Transect #															Site Average	Std. Dev.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15		
Shrubs	28	32	38	28	26	30	50	36	32	44	30	38	34	34	24	33.60	6.90
Forbs	2	0	0	2	0	0	0	0	0	0	0	6	4	0	0	0.93	1.83
Grasses	66	62	52	58	68	56	48	62	68	46	54	44	46	24	64	54.53	11.80
Trees	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Vegetation	96	94	90	88	94	86	98	98	100	90	84	88	84	58	88	89.07	10.02
Cryptobiotic	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0.53	2.07
Physical Features	4	6	10	12	6	14	2	2	0	10	16	12	16	30	12	10.13	7.54

Area 11/13/14 Cover Summary

Cover Type	Transect #															Site Average	Std. Dev.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15		
Shrubs	64	46	40	50	52	48	44	48	46	34	40	62	60	66	48	49.87	9.40
Forbs	0	0	6	2	0	2	2	4	0	0	2	0	4	0	2	1.6	1.88
Grasses	26	24	10	10	8	30	8	24	40	52	48	24	20	22	42	25.87	14.27
Trees	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Vegetation	90	70	56	62	60	80	54	76	86	86	90	86	84	88	92	77.33	13.41
Cryptobiotic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Physical Features	10	30	38	38	40	20	46	24	14	14	10	14	16	12	8	22.27	12.80

Area 11/13/14 Cover Summary

Cover Type	Transect #															Site Average	Std. Dev.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15		
Shrubs	14	24	36	46	38	22	28	32	30	22	32	28	28	8	38	24.80	9.66
Forbs	0	4	2	0	2	0	0	4	6	2	0	0	0	0	0	1.33	1.95
Grasses	64	30	50	30	32	42	34	30	32	54	62	50	40	58	34	42.80	12.44
Trees	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Vegetation	78	58	88	76	72	64	62	66	68	78	94	78	68	66	72	72.53	9.72
Cryptobiotic	0	0	0	2	0	0	0	2	0	4	0	0	0	0	0	0.53	1.19
Physical Features	22	42	12	22	28	36	38	32	32	18	6	22	32	34	28	26.93	9.91

Area 15/17 Cover Summary

Cover Type	Transect #															Site Average	Std. Dev.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15		
Shrubs	42	14	38	40	36	42	46	52	50	36	22	24	14	28	30	34.27	11.97
Forbs	0	4	0	0	0	2	0	0	0	0	2	6	2	0	2	1.20	1.82
Grasses	34	44	42	42	44	38	32	28	40	50	42	48	60	36	48	41.87	7.95
Trees	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Vegetation	76	62	80	82	80	82	78	80	90	86	66	78	76	64	80	77.33	7.81
Cryptobiotic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Physical Features	24	38	20	18	20	18	22	20	10	14	34	22	24	36	20	22.67	7.81

Area 16 Cover Summary

Cover Type	Transect #															Site Average	Std. Dev.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15		
Shrubs	16	22	28	26	18	14	8	22	2	20	4	12	4	20	20	15.73	8.17
Forbs	0	0	20	12	20	12	16	14	0	8	0	4	4	2	14	8.4	7.45
Grasses	48	32	36	30	40	24	40	18	62	44	56	38	82	42	40	42.13	15.68
Trees	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Vegetation	64	54	84	68	78	50	64	54	64	72	60	54	90	64	74	66.27	11.61
Cryptobiotic	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	.13	.52
Physical Features	36	46	16	32	22	50	34	46	36	28	40	46	10	36	26	33.60	11.59

Area 3 Cover Data

Horse Canyon Revegatation Project Tally Sheet

Date: | **Area:3** | **Transect:1** | **UTM:0555236/4367797** | **Heading:5**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetatove Cover
Shrubs																																																					
Atriplex canescens														1	1				1			1													1	1	1														7	14	14.89
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata									1				1							1	1		1							1									1											1	8	16	17.02
Chrysothamnus nauseosus																																		1																	1	2	2.13
Chrysothamnus viscidiflorus			1																																														1		2	4	4.26
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	0	0	1	0	0	0	0	0	1	0	0	0	1	1	1	0	0	0	1	1	1	1	1	0	0	0	0	0	0	1	0	0	0	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0	1	1	18	36	38.30
Forbs & Succulents																																																					
Machaeranthera canescens																																																			0	0	0.00
Medicago sativa								1																																											0	0	0.00
Melilotus officinalis																																																			1	2	2.13
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2.13
Grasses																																																					
Agropyron Smithii		1																								1																		1	1						4	8	8.51
Agropyron spicatum	1			1	1	1	1				1	1				1	1	1						1	1						1	1	1								1	1				1	1	1			20	40	42.55
Agropyron cristatum																																																			0	0	0.00
Bromus tectorum																																																			0	0	0.00
Elymus salinus																																																			0	0	0.00
Elymus cinereus																																																			4	8	8.51
Elymus giganteus																													1									1		1			1								0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Sitanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	1	1	0	1	1	1	1	0	0	0	1	1	0	0	0	1	1	1	0	0	0	0	0	1	1	1	0	0	1	0	1	1	1	0	0	0	0	1	0	1	1	1	1	1	1	1	1	1	0	0	28	56	59.57
Trees																																																					
Juniper																																																			0	0	0.00
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	47	94	100.00
Cryptobiotic																																																					
Physical Features																																																			0	0	
Litter																																																					
Rock																																																			0	0	
Bare Ground																																																			0	0	
										1																	1	1																							3	6	
Total Physical Features	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	6	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	
Comments:																																																					

Horse Canyon Revegatation Project Tally Sheet

Date:	Area:3						Transect:2								UTM:0555253/4367787																		Heading:47																				Relative
Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Vegetatove
Shrubs																																																					Cover
Atriplex canescens					1	1	1											1						1	1																							1	1		8	16	19.05
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata																																																		1	1	2	2.38
Chrysothamnus nauseosus																																																			0	0	0.00
Chrysothamnus viscidiflorus									1							1																1																			3	6	7.14
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	0	0	0	0	1	1	1	0	1	0	0	0	0	0	0	1	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	12	24	28.57
Forbs & Succulents																																																					
Machaeranthera canescens																																																			0	0	0.00
Medicago sativa																																											1								1	2	2.38
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcea coccinea																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	2	2.38
Grasses																																																						
Agropyron Smithii																																																			0	0	0.00
Agropyron spicatum	1	1	1							1	1	1	1				1		1	1	1					1	1	1		1				1		1	1	1	1		1	1				1	1				24	48	57.14
Agropyron cristatum																																																			0	0	0.00
Agropyron trachycaulum																																																			0	0	0.00
Bromus tectorum				1											1								1								1														1						5	10	11.90
Elymus Salinus																																																			0	0	0.00
Elymus cinereus																																																			0	0	0.00
Elymus giganteus																																																			0	0	0.00
Hilaria Jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Sitanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	1	1	1	1	0	0	0	0	0	1	1	1	1	0	1	0	1	0	1	1	1	0	1	0	0	1	1	1	0	1	1	0	0	1	0	1	1	1	1	0	1	1	0	0	1	1	1	0	0	0	29	58	69.05
Trees																																																					
Juniper																																																			0	0	0.00
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	1	1	1	0	1	1	1	1	1	0	1	1	1	1	1	1	1	0	1	1	1	1	1	1	0	1	1	1	0	1	0	1	1	1	1	0	1	1	1	0	1	1	1	1	1	1	42	84	100.00
Cryptobiotic																																																				0	0	
Physical Features																																																					
Litter																																																			0	0	
Rock																																																			0	0	
Bare Ground								1						1								1							1				1		1					1				1							8	16	
Total Physical Features	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	8	16	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	

Comments:
Bromus inermis present
Crested Wheat grass present

Horse Canyon Revegetation Project Tally Sheet

Date:	Area:3	Transect:3	UTM:0565262/4367798	Heading:76

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens																																												1								1	2	2.56
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata	1																			1	1												1	1								1	1		1					1	9	18	23.08
Chrysothamnus nauseosus																																																			0	0	0.00
Chrysothamnus viscidiflorus		1	1	1	1								1		1																																				6	12	15.38
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	16	32	41.03
Forbs & Succulents																																																						
Machaeranthera canescens																																																						
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcea coccinea																																				1							1								2	4	5.13
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	2	4	5.13
Grasses																																																					
Agropyron Smithii																																																					
Agropyron spicatum							1	1	1	1	1	1			1		1		1			1	1							1	1	1	1				1														1	2	2.56
Agropyron striatum																																																				1	18	36	46.15
Agropyron trachycaulum																																																				0	0	0.00
Bromus tectorum																																																				0	0	0.00
Elymus Salinus																																																				0	0	0.00
Elymus cinereus																																																				0	0	0.00
Elymus giganteus																																																				0	0	0.00
Hilaria Jamesii																																																				0	0	0.00
Oryzopsis hymenoides						1																																														0	0	0.00
Stanion hystrix																																																				2	4	5.13
Stipa comata																																																				0	0	0.00
Total Grass Cover	0	0	0	0	0	1	1	1	1	1	1	1	0	0	1	0	1	0	1	0	0	1	1	0	0	0	0	0	1	1	1	1	0	0	1	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	21	42	53.85
Trees																																																					
Juniper																																																						
Pinon																																																				0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	0	1	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	0	1	1	39	78	100.00
Cryptobiotic																																																				0	0	
Physical Features																																																					
Litter																																																					
Rock																																																				0	0	
Bare Ground													1					1						1	1	1	1	1								1	1	1										1			0	0	
Total Physical Features	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	1	0	0	11	22	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	
Comments:																																																					

Horse Canyon Revegetation Project Tally Sheet

Date: | **Area:3** | **Transect:4** | **UTM:0555280** | **Heading:160**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens																																														1	1	1		3	8	6.67
Atriplex confertifolia																																																		0	0	0.00
Artemisia nova																																																		0	0	0.00
Artemisia tridentata tridentata				1						1														1																										0	0	0.00
Chrysothamnus nauseosus																																																	1	4	8	8.89
Chrysothamnus viscidiflorus									1																	1				1	1	1						1	1	1											0	0	0.00
Coverita mexicana																													1	1	1																1					9	18	20.00
Ceratoides lanata																																																		0	0	0.00
Ephedra viridis																																																		0	0	0.00
Sarcobatus vermiculatus																																																		0	0	0.00
Gutierrezia sarothrae																																																		0	0	0.00
Total Shrubs Cover	0	0	0	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	0	0	0	0	1	1	1	0	0	0	0	0	0	1	1	1	1	1	18	32	35.56
Forbs & Succulents																																																						
Mechaeranthera canescens																																																					
Medicago sativa						1	1																																												0	0	0.00
Melilotus officinalis																1																																			2	4	4.44
Penstemon palmeri																																																			1	2	2.22
Sphaeralcia coccinea																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	6	6.67
Grass																																																					
Agropyron smithii																																																					
Agropyron spicatum	1	1			1							1		1	1			1				1	1	1			1	1	1					1																	0	0	0.00
Agropyron cristatum													1																																							17	34	37.78
Agropyron trachycaulum																																																			1	2	2.22
Bromus tectorum																					1																															0	0	0.00
Elymus cinereus			1																																																1	2	2.22
Elymus elymoides																																																			1	2	2.22
Elymus glaucus																																																			1	2	2.22
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																			1																																0	0	0.00
Stanion hystrix																	1																	1	1															1	2	2.22
Stipa comata																																																			4	8	8.89
Total Grass Cover	1	1	1	0	1	0	0	0	0	0	0	1	1	1	1	1	0	1	1	1	0	1	1	1	1	0	0	1	1	1	0	0	0	1	1	1	0	0	0	1	1	1	1	1	0	0	0	0	0	0	26	52	57.78
Trees																																																					
Juniper																																																			0	0	0.00
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	1	1	1	0	1	1	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	46	90	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																					
Litter																																																					
Rock																																																					
Bare Ground								1			1									1																																0	0	
																																	1																		0	0	
Total Physical Features	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	5	10	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	80	100	
Comments:																																																					
Stanion hystrix present																																																					

Horse Canyon Revegatation Project Tally Sheet

Date: | **Area:3** | **Transect:5** | **UTM:0555242/4367805** | **Heading:230**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																						
Atriplex canescens											1																																								1	2	2.17
Atriplex confertifolia																																																				0	0	0.00
Artemisia nova																																																				0	0	0.00
Artemisia tridentata tridentata												1																								1																2	4	4.35
Chrysothamnus nauseosus																																																				0	0	0.00
Chrysothamnus viscidiflorus						1															1																															2	4	4.35
Cowania mexicana																																																				0	0	0.00
Ceratoides lanata																																																				0	0	0.00
Ephedra viridis																																																				0	0	0.00
Sarcobatus vermiculatus																																																				0	0	0.00
Gutierrezia sarothrae																																																				0	0	0.00
Total Shrubs Cover	0	0	0	0	0	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	10	10.87
Forbs & Succulents																																																						
Machaeranthera canescens																																																				0	0	0.00
Medicago sativa																																																			1	1	2	2.17
Melilotus officinalis																																											1									1	2	2.17
Penstemon palmeri																																																				0	0	0.00
Sphaeralcia coccinea																																																				0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	2	4	4.35
Grasses																																																						
Agropyron smithii																																						1														1	2	2.17
Agropyron spicatum		1	1	1	1		1	1	1	1					1	1	1	1	1	1		1	1	1		1	1	1	1	1	1		1	1	1		1		1	1	1	1					1	1			33	66	71.74
Agropyron cristatum													1	1																																						2	4	4.35
Agropyron trachycaulum																																																				0	0	0.00
Bromus tectorum																																																				0	0	0.00
Elymus salinus																																																				0	0	0.00
Elymus cinereus																																																		1		1	2	2.17
Elymus giganteous																																																				0	0	0.00
Hilaria Jamesii																																																				0	0	0.00
Oryzopsis hymenoides																																												1								1	2	2.17
Sitanion hystrix																									1																											1	2	2.17
Stipa comata																																																				0	0	0.00
Total Grass Cover	0	1	1	1	1	0	1	1	1	1	0	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	0	1	1	1	0	1	1	1	1	1	1	0	1	0	0	1	1	1	0	39	78	84.78
Trees																																																				0	0	0.00
Juniper																																																				0	0	0.00
Pinon																																																				0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	46	92	100.00
Cryptobiotic																																																				0	0	
Physical Features																																																						
Litter																																																				0	0	
Rock																																																				1	2	
Bare Ground	1																															1													1						3	6	
Total Physical Features	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	4	8	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	
Comments:																																																						

Horse Canyon Revegetation Project Tally Sheet

Date: | **Area:3** | **Transect:6** | **UTM:0555148/4367774** | **Heading:234**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens																														1																					1	4.00	4.76
Atriplex confertifolia																																										1								2	4.00	4.76
Artemisia nova																																																			0	0.00	0.00
Artemisia tridentata tridentata																		1	1								1	1	1	1		1	1					1							1		1	1				0	0.00	0.00
Chrysothamnus nauseosus																	1																																			12	24.00	28.57
Chrysothamnus viscidiflorus																																												1								2	4.00	4.76
Coverita mexicana																																																			0	0.00	0.00
Ceratoides lanata																																																			0	0.00	0.00
Ephedra viridis																																																			0	0.00	0.00
Sarcobatus vermiculatus																																																			0	0.00	0.00
Gutierrezia sarothrae																																																			0	0.00	0.00
Total Shrubs Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	1	0	0	0	0	1	1	1	1	1	0	0	0	18	32.00	38.10
Forbs & Succulents																																																					
Machaeranthera canescens																																																			0	0.00	0.00
Medicago sativa																1																																			1	2	4.00	4.76
Melilotus officinalis																																																			0	0.00	0.00
Penstemon palmeri	1																																																		1	2.00	2.38
Sphaeralcea coccinea																																																			0	0.00	0.00
Total Forb Cover	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	6.00	7.14
Grasses																																																					
Agropyron smithii				1			1				1																																									3	6.00	7.14
Agropyron spicatum		1	1		1			1	1	1		1	1							1	1				1								1	1	1	1	1			1	1									18	36.00	42.86
Agropyron trichycaulum																																																			0	0.00	0.00
Bromus tectorum																																																			0	0.00	0.00
Elymus cinereus																																																			2	4.00	4.76
Elymus elymoides																																																			0	0.00	0.00
Elymus glaucus																																																			0	0.00	0.00
Hilaria jamesii																																																			0	0.00	0.00
Oryzopsis hymenoides																																																			0	0.00	0.00
Stanion hystrix																																																			0	0.00	0.00
Stipa comata																																																			0	0.00	0.00
Total Grass Cover	0	1	1	1	1	0	1	1	1	1	1	1	1	0	0	0	0	0	0	1	1	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	1	0	0	1	1	1	0	0	0	0	0	1	0	0	25	48.00	54.76
Trees																																																					
Juniper																																																					
Pinon																																																			0	0.00	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Total Vegetation Cover	1	1	1	1	1	0	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0	1	42	84.00	100.00
Cryptobiotic																							1																														1	2.00	
Physical Features																																																					
Litter														1																																								
Rock																																																				1	2.00	
Bare Ground						1									1							1		1																												0	0.00	
Total Physical Features	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	6	12.00	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100.00	

Comments:
Analida longiseta, Sphaeralcea coccinea, Penstemon palmeri, Stanion hystrix present

Horse Canyon Revegetation Project Tally Sheet

Date: | **Area:3** | **Transect:7** | **UTM:0555169/4367739** | **Heading:318**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Vegetative Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens						1	1	1		1	1				1																																			6	12.00	14.29
Atriplex confertifolia																																																			0	0.00	0.00
Artemisia nova																																																			0	0.00	0.00
Artemisia tridentata tridentata																														1														1	1				1	1		5	10.00	11.90
Chrysothamnus nauseosus																																																			0	0.00	0.00
Chrysothamnus viscidiflorus																																																			0	0.00	0.00
Coleogyne ramosissima																																																			0	0.00	0.00
Ceratoides lanata																																																			0	0.00	0.00
Ephedra viridis																																																			0	0.00	0.00
Sarcobatus vermiculatus																																																			0	0.00	0.00
Gutierrezia sarothrae																																																			0	0.00	0.00
Total Shrubs Cover	0	0	0	0	0	1	1	1	0	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	0	11	22.00	26.19
Forbs & Succulents																																																						
Machaeranthera canescens																																																					
Medicago sativa																																																			0	0.00	0.00
Melilotus officinalis																																	1	1	1	1				1	1	1				1				1	9	18.00	21.43
Penstemon palmeri																				1																																	0	0.00	0.00
Sphaeralcia coccinea																																																			1	2.00	2.38
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	1	0	0	0	1	0	0	0	1	0	0	10	20.00	23.81
Grasses																																																					
Agropyron Smithii																																																			0	0.00	0.00
Agropyron spicatum		1														1	1	1			1	1		1			1	1	1		1	1					1								1						14	28.00	33.33
Agropyron trachycaulum																																																			0	0.00	0.00
Bromus tectorum			1	1	1								1																																						0	0.00	0.00
Elymus Salinus																																																			4	8.00	9.52
Elymus cinereus									1			1																																								0	0.00	0.00
Elymus giganteus																																																			2	4.00	4.76
Hilaria Jamesii																																																			0	0.00	0.00
Oryzopsis hymenoides																																																			0	0.00	0.00
Stipa comata																									1																												1	2.00	2.38
Total Grass Cover	0	1	1	1	1	0	0	0	1	0	0	1	1	0	0	1	1	1	0	0	1	1	0	1	1	0	1	1	1	0	1	1	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	21	42.00	50.00
Trees																																																					
Juniper																																																			0	0.00	0.00
Pinon																																																			0	0.00	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Total Vegetation Cover	0	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	0	1	1	1	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	0	1	1	1	42	84.00	100.00
Cryptobiotic																																																			0	0.00	
Physical Features																																																					
Litter																																																					
Rock																																																					
Bare Ground	1												1						1				1			1																								1			2	4.00	
																																																			6	12.00	
Total Physical Features	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	8	16.00	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100.00	

Comments:

Oryzopsis hymenoides, Medicago sativa present

Horse Canyon Revegetation Project Tally Sheet

Date: | **Area:3** | **Transect:8** | **UTM:0565183/4367730** | **Heading:13**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens	1																				1						1						1																		4	8.00	8.51
Atriplex confertifolia																																																			0	0.00	0.00
Artemisia nova																																																			0	0.00	0.00
Artemisia tridentata tridentata		1	1																	1							1																									4	8.00	8.51
Chrysothamnus nauseosus																																																			0	0.00	0.00
Chrysothamnus viscidiflorus									1	1				1	1				1						1																								1	1			9	18.00	19.15
Cowania mexicana																																																			0	0.00	0.00
Coryloides lanata																																																			0	0.00	0.00
Ephedra viridis																																																			0	0.00	0.00
Sarcobatus vermiculatus																																																			0	0.00	0.00
Gutierrezia sarothrae																																																			0	0.00	0.00
Total Shrubs Cover	1	1	1	0	0	0	0	0	1	1	0	0	0	1	1	0	0	0	1	1	1	0	0	0	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	0	17	34.00	36.17
Forbs & Succulents																																																						
Machaeranthera canescens																																																					
Medicago sativa																																																				0	0.00	0.00
Melilotus officinalis																																			1								1								2	4.00	4.26
Penstemon palmeri																																																			0	0.00	0.00
Sphaeralcia coccinea																																																			0	0.00	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	2	4.00	4.26
Grasses																																																					
Agropyron smithii																																																				0	0.00	0.00
Agropyron spicatum				1	1			1			1	1	1				1	1				1	1	1					1	1	1				1			1	1	1			1			1	1			23	46.00	48.94
Agropyron trachycaulum																																																				0	0.00	0.00
Bromus tectorum																																																			0	0.00	0.00
Elymus cinereus																																																			0	0.00	0.00
Elymus elymoides																1																																				1	2.00	2.13
Elymus giganteus																											1																									2	4.00	4.26
Hilaria jamesii																																																			0	0.00	0.00
Oryzopsis hymenoides																																																			0	0.00	0.00
Stipa comata																																																			0	0.00	0.00
Bromus japonicus																																																			0	0.00	0.00
Total Grass Cover	0	0	0	1	1	0	0	1	0	0	1	1	1	0	0	1	1	1	0	0	0	1	1	1	0	0	0	1	1	1	1	1	0	1	1	0	1	1	1	1	0	1	0	0	1	1	0	0	1	1	28	56.00	59.57
Trees																																																					
Juniper																																																					
Pinon																																																				0	0.00	0.00
Total Tree Cover																																																			0	0.00	0.00
Total Vegetation Cover	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	47	94.00	100.00
Cryptobiotic																																																			0	0.00	
Physical Features																																																					
Litter					1																																																
Rock																																																				1	2.00	
Bare Ground							1																																								1						0	0.00	
																																																				2	4.00	
Total Physical Features	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	3	6.00	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100.00	
Comments:																																																					

Horse Canyon Revegatation Project Tally Sheet

Date: | Area:3 | Transect:9 | UTM:0555186/4367735 | Heading:282

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetatove Cover
Shrubs																																																					
Atriplex canescens								1					1			1		1					1																												5	10.00	11.63
Atriplex confertifolia																																																			0	0.00	0.00
Artemisia nova																																																			0	0.00	0.00
Artemisia tridentata tridentata														1	1				1																1							1									5	10.00	11.63
Chrysothamnus nauseosus					1																																						1								2	4.00	4.65
Chrysothamnus viscidiflorus																																												1							1	2.00	2.33
Cowania mexicana																																																			0	0.00	0.00
Ceratoides lanata																																																			0	0.00	0.00
Ephedra viridis																																																			0	0.00	0.00
Sarcobatus vermiculatus																																																			0	0.00	0.00
Gutierrezia sarothrae																																																			0	0.00	0.00
Total Shrubs Cover	0	0	0	0	1	0	0	1	0	0	0	0	1	1	1	1	0	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	13	26.00	30.23
Forbs & Succulents																																																					
Machaeranthera canescens																																																			0	0.00	0.00
Medicago sativa																								1												1											1				3	6.00	6.98
Melilotus officinalis																																																			0	0.00	0.00
Penstemon palmeri																																																			0	0.00	0.00
Sphaeralcea coccinea																																																			0	0.00	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	3	6.00	6.98
Grasses																																																					
Agropyron smithii																																																			0	0.00	0.00
Agropyron spicatum		1	1			1	1		1	1							1												1	1	1	1		1			1				1				1			1	1	1	18	36.00	41.86
Agropyron cristatum																																																			0	0.00	0.00
Agropyron trachycaulum																																																			0	0.00	0.00
Bromus tectorum				1							1	1																																							3	6.00	6.98
Elymus salinus																																																			0	0.00	0.00
Elymus cinereus	1																								1													1	1							1					5	10.00	11.63
Elymus giganteus																																																			0	0.00	0.00
Hilaria jamesii																																																			0	0.00	0.00
Oryzopsis hymenoides																				1																															1	2.00	2.33
Sitanion hystrix																																																			0	0.00	0.00
Stipa comata																																																			0	0.00	0.00
Total Grass Cover	1	1	1	1	0	1	1	0	1	1	1	1	0	0	0	0	1	0	0	1	0	0	0	0	1	0	0	0	1	1	1	1	0	1	0	0	1	1	1	0	1	0	0	0	1	1	0	1	1	1	27	54.00	62.79
Trees																																																					
Juniper																																																			0	0.00	0.00
Pinon																																																			0	0.00	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Total Vegetation Cover	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	0	0	0	1	1	1	1	0	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	43	86.00	100.00
Cryptobiotic																																																			0	0.00	
Physical Features																																																					
Litter																																																			0	0.00	
Rock																																																			0	0.00	
Bare Ground																					1	1				1	1	1					1							1											7	14.00	
Total Physical Features	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	7	14.00	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100.00	
Comments:																																																					
Agropyron cristatum present																																																					

Horse Canyon Revegetation Project Tally Sheet

Date: | **Area:3** | **Transect:10** | **UTM:0555140/4367249** | **Heading:44**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens										1									1				1																													4	8.00	10.81
Atriplex confertifolia																																																			0	0.00	0.00
Artemisia nova																																																			0	0.00	0.00
Artemisia tridentata tridentata								1										1																			1	1	1													5	10.00	13.51
Chrysothamnus nauseosus																																																			0	0.00	0.00
Chrysothamnus viscidiflorus																																																			0	0.00	0.00
Coverta mexicana																																																		1	1	2.00	2.70
Ceratoides lanata																																																			0	0.00	0.00
Ephedra viridis																																																			0	0.00	0.00
Sarcobatus vermiculatus																																																			0	0.00	0.00
Gutierrezia sarothrae																																																			0	0.00	0.00
Total Shrubs Cover	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	1	0	0	1	0	10	20.00	27.03
Forbs & Succulents																																																						
Macheranthera canescens																																																						
Medicago sativa																																																				0	0.00	0.00
Melilotus officinalis																											1					1				1				1												5	10.00	13.51
Penstemon palmeri																																																				0	0.00	0.00
Sphaeralcia coccinea																																																			0	0.00	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	6	10.00	13.51
Grasses																																																					
Agropyron cristhi																																																						
Agropyron spicatum		1	1			1	1		1				1	1	1		1			1				1	1	1							1	1										1	1	1					0	0.00	0.00
Agropyron trachycaulum																																																			1	18	36.00	51.35
Bromus tectorum																																																			0	0.00	0.00
Elymus salinus																													1																							0	0.00	0.00
Elymus cinereus																																																			1	2.00	2.70
Elymus glaucous																																																			0	0.00	0.00
Hilaria Jamesii																																																			0	0.00	0.00
Oryzopsis hymenoides																																																			0	0.00	0.00
Stanton hystrix																																	1																			1	2.00	2.70
Stipa comata																																																			1	2.00	2.70
Total Graminoid Cover	0	1	1	0	0	1	1	0	1	0	0	0	1	1	1	0	1	0	0	1	0	0	0	1	1	1	0	0	1	0	0	0	1	1	1	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	22	44.00	59.46
Trees																																																					
Juniper																																																					
Pinon																																																				0	0.00	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Total Vegetation Cover	0	1	1	0	0	1	1	1	1	1	0	0	1	1	1	0	1	1	1	1	0	0	1	1	1	1	1	0	1	0	0	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	0	1	1	1	37	74.00	100.00
Cryptobiotic																																						➘														0	0.00	
Physical Features																																																					
Litter				1																																																
Rock											1	1																																								1	2.00	
Bare Ground	1			1													1				1	1							1		1	1																				2	4.00	
Total Physical Features	1	0	0	1	1	0	0	0	0	0	1	1	0	0	0	1	0	0	0	0	1	1	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	10	20.00	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100.00	

Comments:

Astragalus sp. Present

Horse Canyon Revegetation Project Tally Sheet

Date: | **Area:3** | **Transect:11** | **0555426/4368073** | **Heading:210**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens					1	1	1	1																						1											1	1										7	14.00	17.95
Atriplex confertifolia																																																			0	0.00	0.00
Artemisia nova																																																			0	0.00	0.00
Artemisia tridentata tridentata															1								1	1	1			1	1		1		1	1		1	1	1					1	1	1	1					16	32.00	41.03
Chrysothamnus nauseosus		1																																																	2	4.00	5.13
Chrysothamnus viscidiflorus																																																			0	0.00	0.00
Cowania mexicana																																																			0	0.00	0.00
Ceratoides lanata																																																			0	0.00	0.00
Ephedra viridis																																																			0	0.00	0.00
Sarcobatus vermiculatus																																																			0	0.00	0.00
Gutierrezia sarothrae																																																			0	0.00	0.00
Total Shrubs Cover	0	1	0	0	1	1	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	0	0	0	1	1	1	1	1	1	0	1	1	1	0	0	1	1	1	1	1	1	1	0	0	0	28	56.00	64.10
Forbs & Succulents																																																						
Machaeranthera canescens																																																						
Medicago sativa																																																			0	0.00	0.00
Melilotus officinalis																																																			0	0.00	0.00
Penstemon palmeri																																																			0	0.00	0.00
Sphaeralcia coccinea																																																			0	0.00	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Grasses																																																					
Agropyron smithii																																																					
Agropyron spicatum	1		1							1	1																																								0	0.00	0.00
Agropyron cristatum																																																			1	5	10.00	12.82
Agropyron trachycaulum																																																			0	0.00	0.00
Bromus tectorum																																																			0	0.00	0.00
Elymus salinus																																																			0	0.00	0.00
Elymus cinereus									1				1			1	1	1	1	1								1																								0	0.00	0.00
Elymus glaucus																																																			8	16.00	20.51
Hilaria jamesii																																																			0	0.00	0.00
Oryzopsis hymenoides																																																			0	0.00	0.00
Stipa comata				1																																															0	0.00	0.00
Total Grass Cover	1	0	1	1	0	0	0	0	1	1	1	0	0	1	0	1	1	1	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	14	28.00	36.56
Trees																																																					
Juniper																																																					
Pinon																																																			0	0.00	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Total Vegetation Cover	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	0	0	1	1	1	0	0	1	1	1	1	1	1	1	0	1	1	1	0	0	1	1	1	1	1	1	1	0	0	1	39	78.00	100.00
Cryptobiotic																																																			0	0.00	
Physical Features																																																					
Litter																																																					
Rock																									1								1							1											4	8.00	
Bare Ground												1	1									1					1																									1	2.00	
Total Physical Features	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1	0	0	0	1	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	1	1	0	6	12.00	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100.00	
Comments:																																																					
Melilotus o. present																																																					

Horse Canyon Revegetation Project Tally Sheet

Date: | **Area:3** | **Transect:12** | **UTM:0565520/4368051** | **Heading:248**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens								1	1	1	1	1					1	1	1	1				1			1						1																		13	26.00	28.26
Atriplex confertifolia																																																			0	0.00	0.00
Artemisia nova																																																			0	0.00	0.00
Artemisia tridentata tridentata		1	1																												1	1			1																6	12.00	13.04
Chrysothamnus nauseosus																																							1	1												2	4.00	4.35
Chrysothamnus viscidiflorus																																																			0	0.00	0.00
Cowania mexicana																																																			0	0.00	0.00
Ceratoides lanata																																																			0	0.00	0.00
Ephedra viridis																																																			0	0.00	0.00
Sarcobatus vermiculatus																																																			0	0.00	0.00
Gutierrezia sarothrae																																																			0	0.00	0.00
																																																			0	0.00	0.00
Total Shrubs Cover	0	1	1	0	0	0	0	1	1	1	1	1	0	0	0	0	1	1	1	1	0	0	0	1	0	0	1	0	0	0	1	1	0	1	1	0	0	0	0	1	0	0	0	1	0	0	0	1	0	21	42.00	46.65
Forbs & Succulents																																																						
Machaeranthera canescens																																																					
Medicago sativa																																																				0	0.00	0.00
Melilotus officinalis																																																			0	0.00	0.00
Penstemon palmeri																																	1																		1	2.00	2.17
Sphaeralcia coccinea																																																			0	0.00	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2.00	2.17
Grasses																																																					
Agropyron smithii																																																					
Agropyron spicatum					1						1	1																																								0	0.00	0.00
Agropyron cristatum																					1						1		1	1	1				1	1														1	11	22.00	23.91
Agropyron trachycaulum																																																			0	0.00	0.00
Bromus tectorum	1																																																		0	0.00	0.00
Elymus salinus																																																			1	2.00	2.17
Elymus cinereus							1								1																																					0	0.00	0.00
Elymus gigantaeus																							1		1																													12	24.00	26.09
Hilaria jamesii																																																			0	0.00	0.00
Oryzopsis hymenoides																																																			0	0.00	0.00
Sitanion hystrix																																																			0	0.00	0.00
Stipa comata																																																			0	0.00	0.00
																																																			0	0.00	0.00
Total Grass	1	0	0	0	0	1	1	0	0	0	0	1	1	1	0	0	0	0	0	0	1	1	0	1	1	0	1	1	1	0	0	0	0	1	1	1	0	0	1	1	1	1	0	1	1	1	0	1	24	48.00	52.17
Trees																																																					
Juniper																																																					
Pinon																																																				0	0.00	0.00
																																																			0	0.00	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Total Vegetation Cover	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	46	92.00	100.00
Cryptobiotic																																																				0	0.00	
Physical Features																																																					
Litter																																																					
Rock																																																				0	0.00	
Bare Ground				1	1											1						1																														0	0.00	
																																																			4	8.00	
Total Physical Features	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	8.00	
Comments:	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	80	100.00	

Horse Canyon Revegetation Project Tally Sheet

Date: | **Area:3** | **Transect:13** | **UTM:0565527/4368035** | **Heading:274**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																			
Atriplex canescens	1	1	1				1									1	1					1	1	1	1	1					1	1				1					1		1			1	1				18	36.00	40.91
Atriplex confertifolia																																																			0	0.00	0.00
Artemisia nova																																																			0	0.00	0.00
Artemisia tridentata tridentata					1	1				1	1																	1	1	1							1					1									9	18.00	20.45
Chrysothamnus nauseosus																																																			0	0.00	0.00
Chrysothamnus viscidiflorus																																		1																	1	2.00	2.27
Coverla mexicana																																																			0	0.00	0.00
Ceratoides lanata																																																			0	0.00	0.00
Ephedra viridis																																																			0	0.00	0.00
Sarcobatus vermiculatus																																																			0	0.00	0.00
Gutierrezia sarothrae																																																			0	0.00	0.00
Total Shrubs Cover	1	1	1	0	1	1	1	0	0	1	1	0	0	0	0	1	1	0	0	0	0	0	1	1	1	1	1	0	1	1	1	1	1	1	0	0	1	1	0	0	1	1	1	0	1	1	0	0	0	0	28	56.00	63.64
Forbs & Succulent																																																				0.00	0.00
Machaeranthera canescens																																																			0	0.00	0.00
Medicago sativa																																																			0	0.00	0.00
Melilotus officinalis																																																			0	0.00	0.00
Penstemon palmeri																						1						1						1	1																	2	4.00	4.55
Sphaeralcia coccinea																																																			2	4.00	4.55
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	8.00	9.09
Grasses																																																						
Agropyron smithii																																																				0	0.00	0.00
Agropyron spicatum												1	1	1				1	1																																		6	12.00	13.64
Agropyron cristatum																																																			8	16.00	18.18
Agropyron trachycaulum																																																			0	0.00	0.00
Bromus tectorum																																																			0	0.00	0.00
Elymus salinus																																																			0	0.00	0.00
Elymus cinereus															1						1																																0	0.00	0.00
Elymus gigantecus																																																			4	8.00	9.09
Hilaria jamesii																																																			0	0.00	0.00
Oryzopsis hymenoides																																																			0	0.00	0.00
Stanion hystrix																																																			0	0.00	0.00
Stipa comata																																																			0	0.00	0.00
Total Grasses	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	0	0	0	1	1	0	12	24.00	27.27
Trees																																																					
Juniper																																																					
Pinon																																																			0	0.00	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Total Vegetation Cover	1	1	1	0	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0	44	88.00	100.00
Cryptobiotic																																																					
																																																			0	0.00	
Physical Features																																																					
Litter																																																			0	0.00	
Rock																																																					
Bare Ground				1				1	1											1																																1	2.00	
																																																		1	10.00	
Total Physical Features	0	0	0	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	6	12.00	
Comments:	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100.00	

Horse Canyon Revegetation Project Tally Sheet

Date: | **Area:3** | **Transect:14** | **UTM:0555512/4368018** | **Heading:16** | **Coordinates:**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens									1	1						1	1	1				1	1										1							1	1				1			1		12	24.00	29.27
Atriplex confertifolia																																																		0	0.00	0.00
Artemisia nova																																																		0	0.00	0.00
Artemisia tridentata tridentata				1				1			1	1	1	1	1																							1												8	16.00	19.51
Chrysothamnus nauseosus		1																																																1	2.00	2.44
Chrysothamnus viscidiflorus																																																		0	0.00	0.00
Cowania mexicana																																																		0	0.00	0.00
Coryloides lanata																																																		0	0.00	0.00
Ephedra viridis																																																		0	0.00	0.00
Sarcobatus vermiculatus																																																		0	0.00	0.00
Gutierrezia sarothrae																																																		0	0.00	0.00
Total Shrubs Cover	0	1	0	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1	0	0	0	0	1	0	0	1	0	21	42.00	51.22
Forbs & Shrubs																																																					
Machaeranthera canescens																																																					
Medicago sativa																																																		0	0.00	0.00
Melilotus officinalis																																																		0	0.00	0.00
Penstemon palmeri																																	1	1	1	1								1					5	10.00	12.20
Sphaeralcea coccinea																																																		0	0.00	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	5	10.00	12.20
Grasses																																																					
Agropyron smithii																																																					
Agropyron spicatum																																																		0	0.00	0.00
Agropyron cristatum																																																		0	0.00	0.00
Agropyron trachycaulum																									1	1	1	1																			1	1			1	1			8	16.00	19.51
Bromus tectorum																																																		0	0.00	0.00
Elymus cinereus																																																		0	0.00	0.00
Elymus glaucus			1																1	1	1			1																											0	0.00	0.00
Hilaria jamesii																																																		6	12.00	14.63
Oryzopsis hymenoides																																																		0	0.00	0.00
Sitanion hystrix																																																		0	0.00	0.00
Stipa comata																																																		0	0.00	0.00
Bromus tectorum																																																		0	0.00	0.00
																																																		1	2.00	2.44
Total Grasses	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1	0	0	1	1	0	0	16	30.00	36.59
Trees																																																					
Juniper																																																					
Pinon																																																			0	0.00	0.00
																																																		0	0.00	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Total Vegetation Cover	0	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	41	82.00	100.00
Cryptobiotic																																																			0	0.00	
Physical Features																																																					
Litter					1	1																																													
Rock																																																			2	4.00	
Bare Ground	1				1																								1	1	1	1																		0	0.00	
																																																	1	7	14.00	
Total Physical Features	1	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	9	18.00	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100.00	
Comments:																																																				
Cliffrose present																																																				

Horse Canyon Revegetation Project Tally Sheet

Date: | Area:3 | Transect:15 | UTM:0555511/4368061 | Heading:238

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Shrubs																									
Atriplex canescens									1	1	1			1							1	1		1	
Atriplex confertifolia																									
Artemisia nova																									
Artemisia tridentata tridentata													1										1		
Chrysothamnus nauseosus																									
Chrysothamnus viscidiflorus																									
Cowania mexicana																									
Ceratoides lanata																									
Ephedra viridis																									
Sarcobatus vermiculatus																									
Gutierrezia sarothrae																									
Total Shrubs Cover	0	0	0	0	0	0	0	0	1	1	1	0	1	1	0	0	0	0	0	0	1	1	1	1	0
Forbs & Succulents																									
Machaeranthera canescens																									
Medicago sativa																									
Melilotus officinalis	1	1			1																				
Penstemon palmeri																									
Sphaeralcea coccinea																									
Total Forb Cover	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grasses																									
Agropyron smithii																									
Agropyron spicatum			1	1			1	1				1			1	1									
Agropyron cristatum																									
Agropyron trachycaulum																									
Bromus tectorum																									
Elymus salinus																									
Elymus cinereus																	1	1	1	1					
Elymus giganteus																									
Hilaria jamesii																									
Oryzopsis hymenoides																									
Sitanion hystrix																									
Stipa comata																									
Vulpia octoflora																									1
Total Grass Cover	0	0	1	1	0	0	1	1	0	0	0	1	0	0	1	1	1	1	1	1	0	0	0	0	1
Trees																									
Juniper																									
Pinon																									
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Vegetation Cover	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Cryptobiotic																									
Physical Features																									
Litter						1																			
Rock																									
Bare Ground																									
Total Physical Features	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Comments:																									
Curly cup gum weed present																									
Canada thistle present																									

Plant Species	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																												
Atriplex canescens					1				1																	9	18.00	19.57
Atriplex confertifolia																										0	0.00	0.00
Artemisia nova																										0	0.00	0.00
Artemisia tridentata tridentata	1	1	1	1																						6	12.00	13.04
Chrysothamnus nauseosus																										0	0.00	0.00
Chrysothamnus viscidiflorus																1		1	1		1					4	8.00	8.70
Cowania mexicana																										0	0.00	0.00
Ceratoides lanata																										0	0.00	0.00
Ephedra viridis																										0	0.00	0.00
Sarcobatus vermiculatus																										0	0.00	0.00
Gutierrezia sarothrae																										0	0.00	0.00
Total Shrubs Cover	1	1	1	1	1	0	0	0	1	0	0	0	0	0	0	1	0	1	1	0	1	0	0	0	0	19	38.00	41.30
Forbs & Succulents																												
Machaeranthera canescens																										0	0.00	0.00
Medicago sativa																										0	0.00	0.00
Melilotus officinalis								1		1				1	1											7	14.00	15.22
Penstemon palmeri																										0	0.00	0.00
Sphaeralcea coccinea																										0	0.00	0.00
Total Forb Cover	0	0	0	0	0	0	0	1	0	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	7	14.00	15.22
Grasses																												
Agropyron smithii																										0	0.00	0.00
Agropyron spicatum																	1							1		9	18.00	19.57
Agropyron cristatum																										0	0.00	0.00
Agropyron trachycaulum																										0	0.00	0.00
Bromus tectorum												1								1		1	1			4	8.00	8.70
Elymus salinus																										0	0.00	0.00
Elymus cinereus											1															5	10.00	10.87
Elymus giganteus																										0	0.00	0.00
Hilaria jamesii																										0	0.00	0.00
Oryzopsis hymenoides																										0	0.00	0.00
Sitanion hystrix													1													1	2.00	2.17
Stipa comata																										0	0.00	0.00
Vulpia octoflora																										1	2.00	2.17
Total Grass Cover	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	1	0	0	1	0	1	1	1	0	20	40.00	43.48
Trees																												
Juniper																										0	0.00	0.00
Pinon																										0	0.00	0.00
																										0	0.00	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Total Vegetation Cover	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	46	92.00	100.00
Cryptobiotic																										0	0.00	
Physical Features																												
Litter							1																			2	4.00	
Rock																										0	0.00	
Bare Ground						1																			1	2	4.00	
Total Physical Features	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	8.00	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100.00	
Comments:																												
Curly cup gum weed present																												
Canada thistle present																												

Horse Canyon Revegetation Project Tally Sheet

Date: | Area:6 | Transect:1 | UTM:0555414/4368143 | Heading:60

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																					
Atriplex canescens						1						1			1		1					1	1	1	1	1				1							1	1													12	24	25.00
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata																																																			0	0	0.00
Chrysothamnus nauseosus																																																			0	0	0.00
Chrysothamnus viscidiflorus					1																																														1	2	2.08
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																																														1					1	2	2.08
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	0	0	0	0	1	1	0	0	0	0	0	1	0	0	1	0	1	0	0	0	0	1	1	1	1	1	0	0	0	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	0	0	0	0	14	28	29.17
Forbs & Succulents																																																					
Machaeranthera canescens																																																			0	0	0.00
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																		1	1	2	2.08
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2.08
Grasses																																																					
Agropyron smithii																																																			0	0	0.00
Agropyron spicatum	1	1	1	1							1		1	1		1		1			1						1	1	1		1				1	1			1	1		1	1	1			1	1	1		24	48	50.00
Agropyron cristatum																																																			0	0	0.00
Agropyron trachycaulum																																																			0	0	0.00
Bromus tectorum							1	1	1	1									1	1														1							1				1						9	18	18.75
Elymus salinus																																																			0	0	0.00
Elymus cinereus																																																			0	0	0.00
Elymus giganteus																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Sitanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	1	1	1	1	0	0	1	1	1	1	1	0	1	1	0	1	0	1	1	1	1	0	0	0	0	0	1	1	1	0	1	0	0	1	1	1	0	0	1	1	1	1	1	1	1	0	1	1	1	0	33	66	68.75
Trees																																																					
Juniper																																																			0	0	0.00
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	48	96	100.00
Criptobiotic																																																			0	0	
Physical Features																																																					
Litter																																																			0	0	
Rock																																																			0	0	
Bare Ground																																1	1																		2	4	
Total Physical Features	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	
Comments:																																																					

Deer pellets present

Generally drier; seems more cheat grass, not as effective as "3" across the canyon

Yellow clover present

Penstemon palmeri present

Horse Canyon Revegetation Project Tally Sheet

Date: | Area:6 | Transect:2 | UTM:0555449/4368153 | Heading:90

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																					
Atriplex canescens										1	1	1	1	1			1	1	1								1	1	1			1	1			1					1										15	30	31.91
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata																																		1																	1	2	2.13
Chrysothamnus nauseosus																																																			0	0	0.00
Chrysothamnus viscidiflorus																																																			0	0	0.00
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	1	1	1	0	0	0	0	0	0	0	1	1	1	0	0	1	1	1	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	16	32	34.04
Forbs & Succulents																																																					
Machaeranthera canescens																																																			0	0	0.00
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
																																																				0	0.00
Grasses																																																			0	0	0.00
Agropyron smithii																																																			0	0	0.00
Agropyron spicatum	1	1	1					1								1				1	1			1	1	1				1	1				1															1	14	28	29.79
Agropyron cristatum																																																			0	0	0.00
Agropyron trachycaulum																																																			0	0	0.00
Bromus tectorum				1	1	1	1		1						1							1															1	1	1	1		1	1	1	1	1		1			17	34	36.17
Elymus salinus																																																			0	0	0.00
Elymus cinereus																																																			0	0	0.00
Elymus giganteus																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Sitanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1	1	0	0	0	1	1	1	0	1	1	1	0	0	0	1	1	0	0	0	1	0	1	1	1	1	0	1	1	1	1	1	0	1	0	1	31	62	65.96
Trees																																																					
Juniper																																																			0	0	0.00
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0	1	47	94	100.00
Criptobiotic																																																			0	0	
Physical Features																																																					
Litter																																																			0	0	
Rock																																															1				1	2	
Bare Ground																							1																										1		2	4	
Total Physical Features	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	3	6	
Comments:	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	

Snake weed present, Japanese brome present

Horse Canyon Revegetation Project Tally Sheet

Date: | Area:6 | Transect:3 | UTM:0555475/4368152 | Heading:234

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																					
Atriplex canescens												1				1	1	1					1				1																				1	1			8	16	17.78
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata													1											1		1																							1		4	8	8.89
Chrysothamnus nauseosus																						1																													1	2	2.22
Chrysothamnus viscidiflorus																												1							1				1	1						1					5	10	11.11
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																			1																																1	2	2.22
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	1	1	1	0	0	1	1	1	0	1	1	1	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	0	0	1	1	1	1	0	19	38	42.22
Forbs & Succulents																																																					
Machaeranthera canescens																																																			0	0	0.00
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcea coccinea																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																					
Agropyron smithii																																																			0	0	0.00
Agropyron spicatum										1	1										1				1				1	1		1	1			1	1	1			1	1		1	1					1	16	32	35.56
Agropyron cristatum																																																			0	0	0.00
Agropyron trachycaulum																																																			0	0	0.00
Bromus tectorum			1					1	1					1	1																																				5	10	11.11
Elymus salinus																																																			0	0	0.00
Elymus cinereus																																																			0	0	0.00
Elymus giganteus																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides				1	1	1	1																											1																	5	10	11.11
Sitanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	0	0	1	1	1	1	1	1	1	1	1	0	0	1	1	0	0	0	0	0	1	0	0	0	1	0	0	0	1	1	0	1	1	1	0	1	1	1	0	0	1	1	0	1	1	0	0	0	0	1	26	52	57.78
Trees																																																					
Juniper																																																			0	0	0.00
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	45	90	100.00
Criptobiotic																																																			0	0	
Physical Features																																																					
Litter		1																																																	1	2	
Rock																															1																				1	2	
Bare Ground	1																			1																							1								3	6	
Total Physical Features	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	5	10	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	
Comments:																																																					
Curlycup gum weed present																																																					

Horse Canyon Revegatation Project Tally Sheet

Date:	Area:6						Transect:4								UTM:0555444/4368140																		Heading:110																				Relative
Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Vegetative
Shrubs																																																					Cover
Atriplex canescens																																													1						1	2	2.27
Atriplex confertifolia																																																			0	0	0.00
Atriplex cuneata																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata					1																																		1	1						1					4	8	9.09
Chrysothamnus nauseosus																																																			0	0	0.00
Chrysothamnus viscidiflorus																				1			1	1					1						1	1	1				1										8	16	18.18
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																																															1				1	2	2.27
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Unknown Buckwheat																																																			0	0	0.00
Total Shrubs Cover	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0	0	1	0	0	0	0	0	1	1	1	0	1	1	1	0	0	0	1	1	1	0	0	0	14	28	31.82
Forbs & Succulents																																																					
Machaeranthera canescens																																																			0	0	0.00
Medicago sativa																																	1																		1	2	2.27
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2.27
Grasses																																																						
Agropyron smithii																																																			0	0	0.00
Agropyron spicatum	1	1	1	1		1	1		1	1	1	1	1	1		1											1	1		1	1			1																1	19	38	43.18
Agropyron cristatum																																																			0	0	0.00
Agropyron trachycaulum																																																			0	0	0.00
Bromus tectorum								1																																											1	2	2.27
Elymus salinus																																																			0	0	0.00
Elymus cinereus																																												1							1	2	2.27
Elymus giganteus																									1																	1									2	4	4.55
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																			1			1																1													3	6	6.82
Sitanion hystrix																																																			0	0	0.00
Stipa comata																		1			1																														2	4	4.55
Bromus japonicus															1																																				1	2	2.27
Total Grass Cover	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	0	1	1	0	1	1	0	0	1	0	1	1	0	1	1	0	0	1	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	1	29	58	65.91
Trees																																																					
Juniper																																																			0	0	0.00
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	0	0	1	44	88	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																					
Litter																																											1								1	2	
Rock																																																			0	0	
Bare Ground																	1									1						1															1	1			5	10	
Total Physical Features	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	0	6	12	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	
Comments:																																																					

Horse Canyon Revegatation Project Tally Sheet

Date: | **Area:6** | **Transect:5** | **UTM:0555488/4368128** | **Heading:222**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																					
Atriplex canescens																								1					1																						2	4	4.26
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata		1	1	1												1			1				1																												6	12	12.77
Chrysothamnus nauseosus																																																			0	0	0.00
Chrysothamnus viscidiflorus	1																																			1			1	1								1			5	10	10.64
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	1	1	0	0	0	0	1	0	0	0	0	0	0	1	0	0	1	1	0	0	0	0	0	0	0	1	0	0	13	26	27.66
Forbs & Succulents																																																			0	0	0.00
Machaeranthera canescens																																																			0	0	0.00
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcea coccinea																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																					
Agropyron smithii																																																			0	0	0.00
Agropyron spicatum					1	1	1	1	1	1	1	1	1	1	1		1	1		1					1	1	1	1							1															1	20	40	42.55
Agropyron cristatum																																																			0	0	0.00
Agropyron trachycaulum																																																			0	0	0.00
Bromus tectorum																																					1				1		1	1	1	1			1		7	14	14.89
Elymus salinus																															1																				1	2	2.13
Elymus cinereus																																																			0	0	0.00
Elymus giganteus																																																			0	0	0.00
Galeta Grass																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																					1	1											1									1					1				5	10	10.64
Sitanion hystrix																																		1																	1	2	2.13
Stipa comata																																																			0	0	0.00
Total Grass Cover	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	1	1	0	1	1	1	0	0	1	1	1	1	0	0	1	0	1	1	1	0	1	0	0	0	1	1	1	1	1	1	1	0	1	1	34	68	72.34
Trees																																																					
Juniper																																																			0	0	0.00
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	47	94	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																			0	0	
Litter																														1																					1	2	
Rock																																																			0	0	
Bare Ground																																1						1													2	4	
Total Physical Features	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	3	6	
Comments:	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	

Unknown grass #3, unknown grass #4(Tesine?), Unknown grass #5 (dense head - cured seed head only), yellow clover, weed, unknown #6 (rye) present

Unknown #5 (timothy), Unknown astragalus (purple poker, Hedysarium boreale, sweet vetch), Salina Wild Rye, Curly cup gum present

Horse Canyon Revegetation Project Tally Sheet

Date: | Area:6 | Transect:6 | UTM:0555528/4368127 | Heading:312

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																					
Atriplex canescens										1	1	1										1	1	1													1	1									1				9	18	20.93
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata				1					1							1																												1	1	1					6	12	13.95
Chrysothamnus nauseosus																																																			0	0	0.00
Chrysothamnus viscidiflorus																																																			0	0	0.00
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	0	0	0	1	0	0	0	0	1	1	1	1	0	0	0	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	1	1	1	0	0	0	16	30	34.88
Forbs & Succulents																																																					
Machaeranthera canescens																																																			0	0	0.00
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcea coccinea																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																						
Agropyron smithii																																																			0	0	0.00
Agropyron spicatum			1				1						1	1	1		1	1	1		1				1	1	1	1		1	1																			1	16	32	37.21
Agropyron cristatum																																																			0	0	0.00
Agropyron trachycaulum																																																			0	0	0.00
Bromus tectorum					1																												1	1							1								1		6	10	11.63
Elymus salinus																																										1	1					1			3	6	6.98
Elymus cinereus																																1			1	1															3	6	6.98
Elymus giganteus																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Sitanion hystrix																																							1												1	2	2.33
Stipa comata																																																			0	0	0.00
Total Grass Cover	0	0	1	0	1	0	1	0	0	0	0	0	1	1	1	0	1	1	1	0	1	0	0	0	1	1	1	1	0	1	1	1	1	1	1	1	0	0	1	0	1	1	1	0	0	0	0	1	1	1	28	56	66.12
Trees																																																					
Juniper																																																			0	0	0.00
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	0	0	1	1	1	0	1	0	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	43	86	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																					
Litter																				1																															1	2	
Rock																																																			0	0	
Bare Ground	1	1				1		1																					1											1											6	12	
Total Physical Features	1	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	7	14	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	60	100	
Comments:																																																					

Sysimbrium altissima - Tumble mustard present

Horse Canyon Revegatation Project Tally Sheet

Date: | **Area:6** | **Transect:7** | **UTM:0565504/4368197** | **Heading:178**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens						1												1	1		1	1	1			1	1			1																1	1		1	1		13	26	26.53
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata				1			1	1								1	1			1					1																										7	14	14.29
Chrysothamnus nauseosus																																																			0	0	0.00
Chrysothamnus viscidiflorus																																	1																		1	2	2.04
Coleonia mexicana																																																			0	0	0.00
Ceratoides lanata		1	1						1			1																																							4	8	8.16
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	0	1	1	1	0	1	1	1	1	0	0	1	0	0	0	1	1	1	1	1	1	1	1	0	1	1	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1	0	28	80	81.02
Forbs & Succulents																																																						
Machaeranthera canescens																																																			0	0	0.00
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																						
Agropyron smithii																																																						
Agropyron spicatum											1				1													1	1	1		1				1	1	1	1	1	1	1	1	1			1			1	17	34	34.69
Agropyron cristatum																																																				0	0	0.00
Agropyron trachycaulum																																																			0	0	0.00
Bromus tectorum	1				1					1			1	1																				1																	0	0	0.00
Elymus salinus																																																				6	12	12.24
Elymus cinereus																																																				0	0	0.00
Elymus glaucus																								1																														1	2	2.04
Hilaria jamesii																																																				0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Stanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	1	0	0	0	1	0	0	0	0	1	1	0	1	1	1	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1	0	1	0	1	0	1	1	1	1	1	1	1	1	1	0	0	1	0	0	1	24	48	48.98
Trees																																																					
Juniper																																																					
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	49	98	100.00
Cryptobiotic																																																					
																																																			0	0	
Physical Features																																																					
Litter																																																					
Rock																																		1																	1	2	
Bare Ground																																																				0	0	
Total Physical Features	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	
Comments:																																																					

Horse Canyon Revegatation Project Tally Sheet

Date: | Area:6 | Transect:8 | UTM:0555550/4368172 | Heading:327

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																					
Atriplex canescens													1			1										1												1				1						1			6	12	12.24
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova			1	1																																															2	4	4.08
Artemisia tridentata tridentata		1													1																								1				1	1					1		6	12	12.24
Chrysothamnus nauseosus																																																			0	0	0.00
Chrysothamnus viscidiflorus																																																			0	0	0.00
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata	1				1	1		1																																											4	8	8.16
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	1	1	1	1	1	1	0	1	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	1	1	0	0	0	1	1	0	18	36	36.73
Forbs & Succulents																																																					
Machaeranthera canescens																																																			0	0	0.00
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcea coccinea																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																						
Agropyron smithii																																																			0	0	0.00
Agropyron spicatum																											1	1	1																					1	4	8	8.16
Agropyron cristatum																																																			0	0	0.00
Agropyron trachycaulum																																																			0	0	0.00
Bromus tectorum							1		1	1	1	1		1				1	1	1	1	1	1	1	1					1	1	1	1	1	1	1	1			1	1				1	1	1				27	54	55.10
Elymus salinus																																																			0	0	0.00
Elymus cinereus																																																			0	0	0.00
Elymus giganteus																																																			0	0	0.00
Hilaria Jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Sitanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	0	0	0	0	0	0	1	0	1	1	1	1	0	1	0	0	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	0	0	0	1	1	1	0	0	1	31	62	63.27
Trees																																																			0	0	0.00
Juniper																																																			0	0	0.00
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	49	98	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																					
Litter																																																			0	0	
Rock																	1																																		1	2	
Bare Ground																																																			0	0	
Total Physical Features	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	
Comments:																																																					
Penstemon palmeri present																																																					

Horse Canyon Revegetation Project Tally Sheet

Date: Area:6 Transect:9 UTM:0555561/4368193 Heading:56

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																					
Atriplex canescens												1												1	1	1										1										1	1				7	14	14.00
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata	1								1																		1										1					1		1	1			1			8	16	16.00
Chrysothamnus nauseosus																																																			0	0	0.00
Chrysothamnus viscidiflorus																																																			0	0	0.00
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																																																			0	0	0.00
Ephedra viridis																																											1								1	2	2.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	1	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1	1	1	1	1	1	0	0	16	32	32.00
Forbs & Succulents																																																					
Machaeranthera canescens																																																			0	0	0.00
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcea coccinea																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																					
Agropyron smithii																																																			0	0	0.00
Agropyron spicatum											1								1	1	1																													1	5	10	10.00
Agropyron cristatum																																																			0	0	0.00
Agropyron trachycaulum																																																			0	0	0.00
Bromus tectorum		1	1	1	1	1	1	1		1			1	1	1	1	1	1				1	1					1	1	1	1	1	1	1	1			1	1	1	1								1		29	58	58.00
Elymus salinus																																																			0	0	0.00
Elymus cinereus																																																			0	0	0.00
Elymus giganteus																																																			0	0	0.00
Hilaria Jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Sitanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	0	1	1	1	1	1	1	1	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	0	0	1	1	1	1	0	0	0	0	0	0	0	1	1	34	68	68.00
Trees																																																					
Juniper																																																			0	0	0.00
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																						
Litter																																																			0	0	
Rock																																																			0	0	
Bare Ground																																																			0	0	
Total Physical Features	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	
Comments:																																																						
Old cattle sign																																																						
Lots of Cheat grass																																																						

Horse Canyon Revegatation Project Tally Sheet

Date: | **Area:6** | **Transect:10** | **UTM:0555596/4368166** | **Heading:250**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens							1													1					1												1														5	10	11.11
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova								1						1	1	1						1														1												1				6	16	17.78
Artemisia tridentata tridentata	1	1			1													1						1			1																								6	12	13.33
Chrysothamnus nauseosus																																																			0	0	0.00
Chrysothamnus viscidiflorus			1																																															1	2	2.22
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																					1																														1	2	4	4.44
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	1	1	1	0	1	0	1	1	0	0	0	0	0	1	1	1	0	1	0	1	1	1	0	1	1	0	1	0	0	0	0	0	0	0	0	1	1	0	0	0	1	0	1	0	0	0	0	1	0	1	22	44	48.89
Forbs & Succulents																																																						
Machaeranthera canescens																																																					
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																						
Agropyron smithii																																																						
Agropyron spicatum				1							1	1																																								0	0	0.00
Agropyron cristatum									1																		1																								5	10	11.11
Agropyron trachycaulum																																																			1	2	2.22
Bromus tectorum						1				1	1						1																																			0	0	0.00
Elymus salinus																									1				1		1	1	1	1	1																17	34	37.78
Elymus cinereus																																																				0	0	0.00
Elymus giganteus																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Sitanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	0	0	0	1	0	1	0	0	1	1	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	1	0	1	1	0	1	1	1	1	1	0	0	1	1	1	0	1	0	0	1	1	1	0	0	0	0	0	0.00
Trees																																																						
Juniper																																																						
Pinon																																																						
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	0	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	0	1	45	90	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																					
Litter																																																					
Rock																																																			0	0	
Bare Ground																																																			0	0	
Physical Features	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	5	10	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5	10	
Comments:																																																			50	100	

Horse Canyon Revegetation Project Tally Sheet

Date: | **Area:6** | **Transect: 11** | **UTM:0555553/4368185** | **Heading:30**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens				1			1	1																1																											4	8	9.52
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata		1										1	1	1															1	1					1	1							1							1	10	20	23.81
Chrysothamnus nauseosus					1																																													1	2	2.38
Chrysothamnus viscidiflorus																																																		0	0	0.00
Cowania mexicana																																																		0	0	0.00
Cerstoides lanata																																																		0	0	0.00
Ephedra viridis																																																		0	0	0.00
Sarcobatus vermiculatus																																																		0	0	0.00
Gutierrezia sarothrae																																																		0	0	0.00
Total Shrubs Cover	0	1	0	1	1	0	1	1	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	0	0	0	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	15	30	35.71
Forbs & Succulents																																																						
Machaeranthera canescens																																																			0	0	0.00
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																					
Agropyron smithii																																																					
Agropyron spicatum						1																	1		1						1																				0	0	0.00
Agropyron cristatum																																			1	1	1			1		1	1							10	20	23.81
Agropyron trachycaulum																																																			0	0	0.00
Bromus tectorum	1		1						1	1	1				1	1	1	1		1	1	1					1	1			1																			0	0	0.00
Elymus elinus																																																			17	34	40.48
Elymus cinereus																																																			0	0	0.00
Elymus giganteus																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Stanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	1	0	1	0	0	1	0	0	1	1	1	0	0	0	1	1	1	1	0	1	1	1	1	0	1	0	1	1	0	0	1	1	0	0	0	0	0	1	1	1	0	0	1	0	1	1	1	0	1	0	27	54	64.29
Trees																																																					
Juniper																																																					
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	0	1	1	1	1	1	1	0	0	1	1	0	1	1	1	0	1	1	0	1	1	1	0	1	1	42	84	100.00
Cryptobiotic																																																					
																																																		0	0	
Physical Features																																																				
Litter																																																				
Rock																			1																																0	0	
Bare Ground																																	1																		2	4	
Total Physical Features	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	1	0	0	1	0	0	0	6	12	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	8	16	
Comments:	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	80	100	

Horse Canyon Revegatation Project Tally Sheet

Date:	Area:6						Transect:12								UTM:0556681/4368228																		Heading:72																				Relative
Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Vegetative
Shrubs																																																					Cover
Atriplex canescens		1																																																	1	2	2.27
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata	1				1				1	1													1	1			1	1																							8	18	18.18
Chrysothamnus nauseosus																																													1						1	2	2.27
Chrysothamnus viscidiflorus																1		1	1						1	1															1	1	1	1							9	18	20.45
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	1	1	0	0	1	0	0	0	1	1	0	0	0	0	0	1	0	1	1	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	19	38	43.18
Forbs & Succulents																																																					
Machaeranthera canescens																																																					
Medicago sativa																																																				0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																					1	1		1											3	6	6.82
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	3	6	6.82
Grasses																																																					
Agropyron smithii																					1																																
Agropyron spicatum															1																																				1	2	2.27
Agropyron cristatum																																																			1	2	2.27
Agropyron trachycaulum																																																			0	0	0.00
Bromus tectorum												1	1	1						1																															0	0	0.00
Elymus salinus																													1			1	1	1	1	1			1							1	1	1	1	1	16	32	36.36
Elymus cinereus																																																			0	0	0.00
Elymus giganteus																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Sitanion hystrix																														1	1																				2	4	4.55
Stipa comata											1																																								0	0	0.00
Bromus inermis																	1																																		1	2	2.27
Total Graminoid Cover	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	1	0	0	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	1	0	0	0	0	0	0	1	1	1	1	1	1	2	2.27
																																																			22	44	50.00
Trees																																																					
Juniper																																																					
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	0	0	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
																																																			44	88	100.00
Cryptobiotic																																																					
																																																			0	0	
Physical Features																																																					
Litter																																																					
Rock																																																			0	0	
Bare Ground			1	1		1	1	1														1																													0	0	
Total Physical Features	0	0	1	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	12	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	12	
Comments:																							1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	80	100	

Horse Canyon Revegetation Project Tally Sheet

Date: | Area:6 | Transect:13 | UTM:0555597/4368189 | Heading:250

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																													1	1			1									1	1	1	1								
Atriplex canescens																																																			0	0	0.00
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova			1			1																1	1																												4	8	9.52
Artemisia tridentata tridentata							1				1							1							1															1									1		6	12	14.29
Chrysothamnus nauseosus																																																			0	0	0.00
Chrysothamnus viscidiflorus																																																			0	0	0.00
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	0	0	1	0	0	1	1	0	0	0	1	0	0	0	0	0	0	1	0	0	0	1	1	0	1	0	0	0	1	1	0	0	1	0	0	0	0	0	0	1	0	1	1	1	1	0	0	0	1	0	17	34	40.48
Forbs & Succulents																																																					
Machaeranthera canescens																																																			0	0	0.00
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Sisymbrium altissimum																											1	1																							2	4	4.76
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	4.76
Grasses																																																					
Agropyron smithii																																																			0	0	0.00
Agropyron spicatum	1							1				1		1					1																																5	10	11.90
Agropyron cristatum																																																			0	0	0.00
Agropyron trachycaulum																																																			0	0	0.00
Bromus tectorum				1					1	1					1	1	1			1											1	1		1	1		1	1	1		1					1	1	1			18	36	42.86
Elymus salinus																																																			0	0	0.00
Elymus cinereus																																																			0	0	0.00
Elymus giganteus																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Sitanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Graminoid Cover	1	0	0	1	0	0	0	1	1	1	0	1	0	1	1	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1	0	1	1	1	0	1	0	0	0	0	1	1	1	0	0	23	46	54.76
Trees																																																					
Juniper																																																			0	0	0.00
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	0	1	1	0	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	0	1	1	0	1	0	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	42	84	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																						
Litter																																																			0	0	
Rock																																																			0	0	
Bare Ground		1			1								1								1			1		1										1														1	8	16	
Total Physical Features	0	1	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	8	16	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	
Comments:																																																					

Horse Canyon Revegatation Project Tally Sheet

Date:6/23/03 Area:6 Transect:14 UTM:0555617/4368219 210

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																					
Atriplex canescens																																																			0	0	0.00
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata																									1						1									1								1	1		5	10	17.24
Chrysothamnus nauseosus																																																			0	0	0.00
Chrysothamnus viscidiflorus						1	1		1			1						1														1						1	1												8	16	27.59
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																1	1			1																	1														4	8	13.79
Total Shrubs Cover	0	0	0	0	0	1	1	0	1	0	0	1	0	0	0	1	1	1	0	1	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	1	1	0	17	34	58.62
Forbs & Succulents																																																					
Machaeranthera canescens																																																					
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
																																																			0	0	0.00
Grasses																																																					
Agropyron smithii																																																					
Agropyron spicatum																																																			0	0	0.00
Agropyron cristatum																																																			0	0	0.00
Agropyron trachycaulum																																																			0	0	0.00
Bromus tectorum	1	1		1						1	1																																								0	0	0.00
Elymus salinus																																		1	1	1															8	16	27.59
Elymus cinereus																																																			0	0	0.00
Elymus giganteus																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides														1								1	1																												0	0	0.00
Sitanion hystrix																																	1																		4	8	13.79
Stipa comata																																																			0	0	0.00
Total Graminoid Cover	1	1	0	1	0	0	0	0	0	1	1	0	0	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
																																																			12	24	41.38
Trees																																																					
Juniper																																																					
Pinon																																																			0	0	0.00
																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	0	1	0	1	1	0	1	1	1	1	0	1	0	1	1	1	0	1	0	1	1	0	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	1	0	29	58	100.00
Cryptobiotic																																																					
																								1		1	1	1																							4	8	
Physical Features																																																					
Litter			1																1																																		
Rock																																																			2	4	
Bare Ground					1			1					1		1						1								1	1											1	1	1	1	1	1	1			1	15	30	
Total Physical Features	0	0	1	0	1	0	0	1	0	0	0	0	1	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	1	17	34	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	
Comments:																																																					

Horse Canyon Revegatation Project Tally Sheet

Date:6/23/03 | **Area:6** | **Transect:15** | **UTM:0555550/4368179** | **Heading:240**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																					
Atriplex canescens				1	1																								1																						3	6	6.82
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata	1																																	1												1					3	6	6.82
Chrysothamnus nauseosus																																				1	1														2	4	4.56
Chrysothamnus viscidiflorus														1		1																																		1	3	6	6.82
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata		1																																																	1	2	2.27
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	1	1	0	1	1	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	1	0	0	0	1	12	24	27.27
Forbs & Succulents																																																					
Machaeranthera canescens																																																			0	0	0.00
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																						
Agropyron smithii																																																			0	0	0.00
Agropyron spicatum								1	1	1			1				1	1		1		1				1	1																								10	20	22.73
Agropyron cristatum																																																			0	0	0.00
Agropyron trachycaulum																																																			0	0	0.00
Bromus tectorum			1				1								1				1					1				1		1	1	1	1		1			1	1	1	1	1	1	1	1			1	1		21	42	47.73
Elymus Salinus																																																			0	0	0.00
Elymus cinereus						1																																													1	2	2.27
Elymus giganteous																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Sitanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	0	0	1	0	0	1	1	1	1	1	0	0	1	0	1	0	1	1	1	1	0	1	0	1	0	1	1	1	0	1	1	1	1	0	1	0	0	1	1	1	1	1	1	1	1	0	0	1	1	0	32	64	72.73
Trees																																																					
Juniper																																																			0	0	0.00
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	0	1	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	44	88	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																						
Litter																					1		1		1																										3	6	
Rock											1	1																																							2	4	
Bare Ground																																															1				1	2	
Total Physical Features	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	6	12	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	
Comments:																																																					

Area 6 Cover Data

Horse Canyon Revegetation Project Tally Sheet

Date:6/23/03 | Area:7 | Transect:1 | UTM:0565377/4368072 | Heading:61

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens					1	1	1	1								1	1	1					1				1		1			1												1			1	1	1	19	38	42.22
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata														1	1				1		1	1		1	1	1		1		1		1								1										12	24	26.67
Chrysothamnus nauseosus																																																			0	0	0.00
Chrysothamnus viscidiflorus																																													1						1	2	2.22
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
																																																			0	0	0.00
Total Shrubs Cover	0	0	0	0	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	0	1	0	0	0	0	1	1	0	0	1	1	1	32	64	71.11
Forbs & Succulents																																																						
Machaeranthera canescens																																																						
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcea coccinea																																																			0	0	0.00
																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																					
Agropyron smithii																																																					
Agropyron spicatum																																																			0	0	0.00
Agropyron cristatum																																																			0	0	0.00
Agropyron trachycaulum																																																			0	0	0.00
Bromus tectorum	1	1		1				1		1		1																																								0	0	0.00
Elymus salinus																																		1					1			1		1	1			1			12	24	26.67
Elymus cinereus																																																			0	0	0.00
Elymus glaucus																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Stanleia hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
																																																	1	1	2	2.22
Total Grass Cover	1	1	0	1	0	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	1	1	0	0	1	1	0	0	0	13	26	28.89
Trees																																																					
Juniper																																																						
Pinon																																																				0	0	0.00
																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	0	1	1	1	1	1	1	0	1	0	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	45	90	100.00
Cryptobiotic																																																				0	0	
Physical Features																																																					
Litter																																																					
Rock																																		1																	1	2	
Bare Ground			1							1		1								1																																0	0	
																																																			4	8	
Total Physical Features	0	0	1	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	10	
Comments:	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	

Horse Canyon Revegetation Project Tally Sheet

Date:6/23/03 | Area:7 | Transect:2 | UTM:[illegible] | Heading:0

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens																				1	1	1																					1	6	12	17.14
Atriplex confertifolia																																																		0	0	0.00
Artemisia nova													1	1																																				2	4	5.71
Artemisia tridentata tridentata	1		1						1	1															1					1	1	1			1	1	1												11	22	31.43
Chrysothamnus nauseosus																																																	0	0	0.00
Chrysothamnus viscidiflorus				1	1	1																																											3	6	8.57
Cowania mexicana																																																		0	0	0.00
Cercidium lanata																																																		0	0	0.00
Ephedra viridis																																																		0	0	0.00
Sarcobatus vermiculatus																																																		0	0	0.00
Gutierrezia sarothrae																																									1										1	2	2.86
Total Shrubs Cover	1	0	1	1	1	1	0	0	1	1	0	0	1	1	0	0	0	0	0	1	1	1	0	0	0	0	1	0	0	0	0	1	1	1	0	0	1	1	1	0	1	1	1	0	0	0	0	0	0	1	23	46	65.71
Forbs & Succulents																																																					
Machaeranthera canescens																																																					
Medicago sativa																																																		0	0	0.00
Melilotus officinalis																																																		0	0	0.00
Penstemon palmeri																																																		0	0	0.00
Sphaeralcia coccinea																																																		0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																					
Agropyron smithii																																																					
Agropyron spicatum																																																		0	0	0.00
Agropyron cristatum																																																		0	0	0.00
Agropyron trachycaulum																																																		0	0	0.00
Bromus tectorum																			1					1	1		1		1	1																					0	0	0.00
Elymus salinus																																																		7	14	20.00
Elymus cinereus																																																		5	10	14.29
Elymus gigenteus																																																		0	0	0.00
Hilaria jamesii																																																		0	0	0.00
Oryzopsis hymenoides																																																		0	0	0.00
Stipian hystrix																																																		0	0	0.00
Stipa comata																																																		0	0	0.00
Total Grass Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	12	24	34.29
Trees																																																					
Juniper																																																					
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	0	1	1	1	1	0	0	1	1	0	0	1	1	0	0	0	0	1	1	1	1	0	0	1	1	1	1	0	1	1	1	1	1	0	0	1	1	1	0	1	1	1	1	1	1	1	1	1	1	35	70	100.00
Cryptobiotic																																																		0	0	
Physical Features																																																				
Litter							1	1																																												
Rock																																																				
Bare Ground		1								1	1				1	1	1	1					1	1				1								1	1				1									2	4	
																																																		0	0	
Total Physical Features	0	1	0	0	0	0	1	1	0	1	1	0	0	0	1	1	1	1	0	0	0	0	1	1	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	13	26	
	1	1	1	1	1	1	1	1	1	2	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	30	
Comments:																																																		50	100	

Horse Canyon Revegetation Project Tally Sheet

Date:8/23/05 | Area:7 | Transect:3 | [illegible] | Heading:26

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																			
Atriplex canescens																																									1	1									2	4	7.14
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata						1							1										1				1	1		1				1	1				1									1	1	11	22	39.29
Chrysothamnus nauseosus																																																			0	0	0.00
Chrysothamnus viscidiflorus				1	1																											1				1						1	1		1					7	14	25.00
Covania mexicana																																																			0	0	0.00
Ceratoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	0	0	0	1	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	1	0	1	1	1	0	0	1	0	1	0	1	1	1	1	0	1	0	0	1	1	20	40	71.43
Forbs & Succulents																																																						
Machaeranthera canescens																																																			0	0	0.00
Medicago sativa																			1	1																																2	4	7.14
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri	1																																																		1	2	3.57
Sphaeralcia coccinea																																																			0	0	0.00
Total Forb Cover	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	6	10.71
Grasses																																																					
Agropyron smithii																																																			0	0	0.00
Agropyron spicatum																																																			0	0	0.00
Agropyron cristatum																																																			0	0	0.00
Agropyron trachycaulum																																																			0	0	0.00
Bromus tectorum										1		1						1			1																																4	8	14.29
Elymus salinus																																																			0	0	0.00
Elymus cinereus																																																			0	0	0.00
Elymus gigenteus																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			1	2	3.57
Stanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	5	10	17.86
Trees																																																					
Juniper																																																				0	0	0.00
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	0	0	1	1	1	0	0	0	1	0	1	1	0	0	0	0	1	1	1	1	0	1	0	0	0	1	1	0	1	0	1	1	1	0	0	1	0	1	0	1	1	1	1	0	1	0	1	1	1	28	56	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																					
Litter																		1																		1															3	6	
Rock																																																				0	0	
Bare Ground		1	1				1	1	1		1			1	1	1						1		1	1	1			1		1				1		1						1		1					19	38	
Total Physical Features	0	1	1	0	0	0	1	1	1	0	1	0	0	1	1	1	1	0	0	0	0	1	0	1	1	1	0	0	1	0	1	0	0	0	1	0	1	0	1	0	1	0	0	0	0	1	0	1	0	0	22	44	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	60	100	

Comments:

Horse Canyon Revegetation Project Tally Sheet

Date: 6/23/03 | Area: 7 | Transect: 4 | UTM: 0568371/4368061 | Heading: 36

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																			
Atriplex canescens																																	1	1	1		1	1	1								1			7	14	22.58
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova									1																																									1	2	3.23
Artemisia tridentata tridentata	1						1	1																			1			1												1	1	1	1	1			1	1	1	13	26	41.94
Chrysothamnus nauseosus																																																			0	0	0.00
Chrysothamnus viscidiflorus			1	1																					1	1																								4	8	12.90
Coweria mexicana																																																			0	0	0.00
Corstoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	1	0	1	1	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	1	0	1	1	1	0	1	1	1	0	1	1	1	1	1	0	1	1	1	1	25	50	80.65
Forbs & Succulents																																																						
Machaeranthera canescens																																																			0	0	0.00
Medicago sativa		1																																																	1	2	3.23
Melilotus officinalis																																																			0	0	0.00
Pyrrocoma palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Total Forb Cover	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3.23
Grasses																																																					
Agropyron smithii																																																			0	0	0.00
Agropyron spicatum																																																			0	0	0.00
Agropyron cristatum																																																			0	0	0.00
Agropyron trachycaulum																																																			0	0	0.00
Bromus tectorum																												1	1		1					1										1						5	10	16.13
Elymus salinus																																																			0	0	0.00
Elymus cinereus																																																			0	0	0.00
Elymus giganteous																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Stanton hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	6	10	16.13
Trees																																																					
Juniper																																																				0	0	0.00
Pinon																																																				0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1	1	1	1	1	1	1	0	1	1	1	0	1	1	1	1	1	1	1	1	1	1	31	62	100.00
Cryptobiotic																																																				0	0	
Physical Features																																																					
Litter					1	1							1																																								3	6	
Rock																																																		1			1	2	
Bare Ground									1		1	1		1	1	1	1	1	1	1	1	1	1	1			1																									15	30	
Total Physical Features	0	0	0	0	1	1	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	19	38	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	
Comments:																																																					

Horse Canyon Revegetation Project Tally Sheet																																																					
Date:6/23/03	Area:7						Transect:5								UTM:0585354/4368081																		Heading:83																				
Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																					
Atriplex canescens																																	1	1																	2	4	6.67
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																						1			1																			1							3	6	10.00
Artemisia tridentata tridentata				1	1	1			1		1			1	1	1	1		1		1								1	1					1	1	1													1	17	34	56.67
Chrysothamnus nauseosus																																																			0	0	0.00
Chrysothamnus viscidiflorus																																								1	1						1	1			4	8	13.33
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	0	0	0	1	1	1	0	0	1	0	1	0	0	1	1	1	1	0	1	0	1	1	0	0	1	0	0	0	1	1	0	0	1	1	1	1	1	0	0	1	1	0	0	1	0	0	1	1	0	1	26	52	86.67
Forbs & Succulents																																																					
Machaeranthera canescens																																																			0	0	0.00
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																					
Agropyron smithii																																																			0	0	0.00
Agropyron spicatum												1																																					1		2	4	6.67
Agropyron cristatum																																																			0	0	0.00
Agropyron trachycaulum																																																			0	0	0.00
Bromus tectorum																																							1				1								2	4	6.67
Elymus salinus																																																			0	0	0.00
Elymus cinereus																																																			0	0	0.00
Elymus giganteous																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Sitanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	1	0	4	8	13.33
Trees																																																					
Juniper																																																			0	0	0.00
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	0	0	0	1	1	1	0	0	1	0	1	1	0	1	1	1	1	0	1	0	1	1	0	0	1	0	0	0	1	1	0	0	1	1	1	1	1	0	1	1	1	0	1	1	0	0	1	1	1	1	30	60	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																					
Litter							1			1			1																		1	1						1													6	12	
Rock																																																			0	0	
Bare Ground	1	1	1					1										1		1			1	1		1	1	1														1			1	1					14	28	
Total Physical Features	1	1	1	0	0	0	1	1	0	1	0	0	1	0	0	0	0	1	0	1	0	0	1	1	0	1	1	1	0	0	1	1	0	0	0	0	0	1	0	0	0	1	0	0	1	1	0	0	0	0	20	40	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	
Comments:																																																					

Horse Canyon Revegetation Project Tally Sheet

6/23/2003 — Area:7 — Transect:8 — UTM:[illegible] — Heading:207

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Shrubs																									
Atriplex canescens							1	1	1	1	1														
Atriplex confertifolia																									
Artemisia nova																									
Artemisia tridentata tridentata													1	1								1		1	
Chrysothamnus nauseosus																									
Chrysothamnus viscidiflorus																1	1			1					
Cowania mexicana					1																				
Ceratoides lanata																									
Ephedra viridis																									
Sarcobatus vermiculatus																									
Gutierrezia sarothrae																									
Total Shrubs Cover	0	0	0	0	1	0	1	1	1	1	1	0	1	1	0	1	1	0	0	1	0	1	0	1	0
Forbs & Succulents																									
Machaeranthera canescens																									
Medicago sativa																									
Melilotus officinalis																									
Penstemon palmeri																									
Sphaeralcea coccinea																									
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grasses																									
Agropyron smithii																									
Agropyron spicatum																									
Agropyron cristatum																									
Agropyron trachycaulum																									
Bromus tectorum	1	1	1	1		1						1							1						
Elymus salinus																									
Elymus cinereus																									
Elymus giganteus																									
Hilaria jamesii																									
Oryzopsis hymenoides																									
Sitanion hystrix																									
Stipa comata																									
Total Grass Cover	1	1	1	1	0	1	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0
Trees																									
Juniper																									
Pinon																									
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Vegetation Cover	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	0	1	1	0	1	0	1	0
Cryptobiotic																									
Physical Features																									
Litter															1										1
Rock																									
Bare Ground																		1			1		1		
Total Physical Features	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	0	1	0	1
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Comments:																									

Plant Species	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																												
Atriplex canescens	1																									6	12	15.00
Atriplex confertifolia																										0	0	0.00
Artemisia nova																										0	0	0.00
Artemisia tridentata tridentata			1	1	1				1				1	1		1				1						12	24	30.00
Chrysothamnus nauseosus																										0	0	0.00
Chrysothamnus viscidiflorus							1	1																		5	10	12.50
Cowania mexicana																										1	2	2.50
Ceratoides lanata																										0	0	0.00
Ephedra viridis																										0	0	0.00
Sarcobatus vermiculatus																										0	0	0.00
Gutierrezia sarothrae																										0	0	0.00
Total Shrubs Cover	1	0	1	1	1	0	1	1	1	0	0	0	1	1	0	1	0	0	0	1	0	0	0	0	0	24	48	60.00
Forbs & Succulents																												
Machaeranthera canescens																										0	0	0.00
Medicago sativa																										0	0	0.00
Melilotus officinalis																										0	0	0.00
Penstemon palmeri																										0	0	0.00
Sphaeralcea coccinea											1															1	2	2.50
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2.50
Grasses																												
Agropyron smithii																										0	0	0.00
Agropyron spicatum																									1	1	2	2.50
Agropyron cristatum																										0	0	0.00
Agropyron trachycaulum																										0	0	0.00
Bromus tectorum		1													1		1	1			1	1		1		14	28	35.00
Elymus salinus																										0	0	0.00
Elymus cinereus																										0	0	0.00
Elymus giganteus																										0	0	0.00
Hilaria jamesii																										0	0	0.00
Oryzopsis hymenoides																										0	0	0.00
Sitanion hystrix																										0	0	0.00
Stipa comata																										0	0	0.00
Total Grass Cover	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0	1	1	0	1	1	15	30	37.50
Trees																												
Juniper																										0	0	0.00
Pinon																										0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	1	0	1	1	1	0	1	0	1	1	1	1	1	1	0	1	1	1	0	1	1	40	80	100.00
Cryptobiotic																										0	0	
Physical Features																												
Litter						1														1				1		5	10	
Rock																										0	0	
Bare Ground										1		1														5	10	
Total Physical Features	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	10	20	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	
Comments:																												

Area 7 Cover Data

Horse Canyon Revegetation Project Tally Sheet

Date:6/25/03 | Area:7 | Transect:7 | UTM:0645984/4368074 | Heading:206

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens				1															1	1																															3	6	11.11
Atriplex confertifolia																																																		0	0	0.00
Artemisia nova																																																		0	0	0.00
Artemisia tridentata tridentata		1				1		1			1	1	1	1				1						1	1	1						1	1			1		1				1					1	1	18	36	66.67
Chrysothamnus nauseosus																																																		0	0	0.00
Chrysothamnus viscidiflorus					1																																												1	2	3.70
Cowania mexicana																																																		0	0	0.00
Coryloides lanata																																																		0	0	0.00
Ephedra viridis																																																		0	0	0.00
Sarcobatus vermiculatus																																																		0	0	0.00
Gutierrezia sarothrae																																																		0	0	0.00
Total Shrubs Cover	0	1	0	1	1	1	0	1	0	0	1	1	1	1	0	0	0	1	1	1	0	0	0	0	1	1	1	0	0	0	0	0	1	1	0	0	1	0	1	0	0	0	1	0	0	0	0	1	1	0	22	44	81.48
Forbs & Succulents																																																						
Machaeranthera canescens																																																					
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																			1															1	2	3.70
Penstemon palmeri																																																		0	0	0.00
Sphaeralcia coccinea																																																		0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3.70
Grasses																																																					
Agropyron smithii																																																					
Agropyron spicatum																																																		0	0	0.00
Agropyron cristatum																																																	1	1	2	3.70
Agropyron trachycaulum																																																		0	0	0.00
Bromus tectorum	1														1						1																														0	0	0.00
Elymus salinus																																																		3	6	11.11
Elymus cinereus																																																		0	0	0.00
Elymus giganteus																																																		0	0	0.00
Hilaria jamesii																																																		0	0	0.00
Oryzopsis hymenoides																																																		0	0	0.00
Stipa comata																																																		0	0	0.00
Total Grass Cover	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	8	14.81
Trees																																																					
Juniper																																																					
Pinon																																																		0	0	0.00
																																																		0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	0	1	1	1	0	1	0	0	1	1	1	1	1	0	0	1	1	1	1	0	0	0	1	1	1	0	0	0	0	0	1	1	1	0	1	0	1	0	0	0	1	0	0	0	0	1	1	1	27	54	100.00
Cryptobiotic																																																		0	0	
Physical Features																																																					
Litter			1						1	1							1					1																													6	12	
Rock																																																					
Bare Ground							1								1								1	1				1	1	1	1	1			1		1			1	1	1			1			1	1				0	0	
																																																		17	34	
Total Physical Features	0	0	1	0	0	0	1	0	1	1	0	0	0	0	0	1	1	0	0	0	0	1	1	1	0	0	0	1	1	1	1	0	0	0	1	0	1	0	1	1	1	0	1	1	1	1	0	0	0	23	46	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	
Comments:																																																					

Horse Canyon Revegetation Project Tally Sheet

Date:6/23/03 | Area:7 | Transect:8 | 6545380/4368075 | Heading:30

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens		1	1		1	1																						1																						6	12	15.79
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova								1																1																											2	4	5.26
Artemisia tridentata tridentata	1								1	1		1	1	1			1					1	1				1	1		1	1			1		1						1									16	32	42.11
Chrysothamnus nauseosus																																																			0	0	0.00
Chrysothamnus viscidiflorus																																																			0	0	0.00
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	1	1	1	0	1	1	0	1	1	1	0	1	1	1	0	0	1	0	0	0	0	1	1	1	0	0	1	1	1	1	0	0	1	0	1	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	24	48	63.16
Forbs & Succulents																																																						
Machaeranthera canescens																																																					
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Stoymirium albicaulis																																					1		1													2	4	5.26
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	2	4	5.26
Grasses																																																					
Agropyron smithii																																																					
Agropyron spicatum																																																			0	0	0.00
Agropyron cristatum																																																		1	1	2	2.63
Agropyron trachycaulum																																																			0	0	0.00
Bromus tectorum				1			1													1					1	1						1	1																		0	0	0.00
Elymus salinus																																																			10	20	26.32
Elymus cinereus																																																			0	0	0.00
Elymus gigenteous																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Sitanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0	1	1	12	24	31.58
Trees																																																					
Juniper																																																					
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	1	1	1	1	1	1	0	1	1	1	0	0	1	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	0	1	1	0	1	1	1	1	0	0	0	1	1	1	38	76	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																					
Litter																		1	1		1																																			
Rock																																		1				1			1										9	18	
Bare Ground											1				1	1																																				0	0	
Total Physical Features	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0	0	0	0	1	1	1	0	0	0	0	0	3	6	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	0	1	0	1	1	1	1	1	1	1	1	1	1	12	24	
Comments:																																																			50	100	

Horse Canyon Revegetation Project Tally Sheet

Date:8/23/03 | Area:7 | Transect:9 | UTM:0455374/4436086 | Heading:90

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																			
Atriplex canescens				1	1											1	1				1																												5	10	11.63
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																		0	0	0.00
Artemisia tridentata tridentata										1	1	1	1		1															1	1			1	1			1		1	1	1	1							15	30	34.88
Chrysothamnus nauseosus																																																			0	0	0.00
Chrysothamnus viscidiflorus																																														1	1				2	4	4.65
Coverlia mexicana																									1																											1	2	2.33
Cerstoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	0	0	0	1	1	0	0	0	0	1	1	1	1	0	1	1	1	0	0	0	1	0	0	0	1	0	0	0	0	1	1	0	0	1	1	0	0	1	0	1	1	0	1	1	1	0	1	1	0	0	23	46	53.49
Forbs & Succulents																																																					
Machaeranthera canescens																																																			0	0	0.00
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																					
Agropyron smithii																																																			0	0	0.00
Agropyron spicatum																																																			2	4	4.65
Agropyron cristatum																																																			0	0	0.00
Agropyron trachycaulum																																																			0	0	0.00
Bromus tectorum	1	1	1			1	1		1					1					1	1			1	1			1		1			1	1			1	1													18	36	41.86
Elymus salinus																																																			0	0	0.00
Elymus cinereus																																																			0	0	0.00
Elymus giganteous																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Sitanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	1	1	1	0	0	1	1	0	1	0	0	0	0	1	0	0	0	0	1	1	0	0	1	1	0	0	1	0	1	0	0	1	1	0	0	1	1	0	0	0	0	0	0	0	0	1	0	0	1	1	20	40	46.51
Trees																																																					
Juniper																																																				0	0	0.00
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0	1	1	1	0	1	1	1	0	1	0	1	1	1	1	1	1	1	1	1	1	0	1	1	0	1	1	1	1	1	1	1	1	43	86	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																					
Litter								1											1				1						1								1															5	10	
Rock																										1																											1	2	
Bare Ground																																																		1			1	2	
Total Physical Features	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	7	14	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	

Comments:

Horse Canyon Revegetation Project Tally Sheet

Date:6/23/05 | Area:7 | Transect:10 | UTM:[illegible] | Heading:107

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens		1													1	1		1									1	1			1	1	1																		9	18	20.93
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata				1		1				1							1			1	1								1																						7	14	16.28
Chrysothamnus nauseosus																																														1					1	2	2.33
Chrysothamnus viscidiflorus																																																		0	0	0.00
Cowania mexicana																																																		0	0	0.00
Ceratoides lanata																																																		0	0	0.00
Ephedra viridis																																																		0	0	0.00
Sarcobatus vermiculatus																																																		0	0	0.00
Gutierrezia sarothrae																																																		0	0	0.00
Total Shrubs Cover	0	1	0	1	0	1	0	0	0	1	0	0	0	0	1	1	1	1	0	1	1	0	0	0	0	0	1	1	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	17	34	39.53
Forbs & Succulents																																																					
Machaeranthera canescens																																																					
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																					
Agropyron smithii																																																					
Agropyron spicatum																								1	1																												0	0	0.00
Agropyron cristatum																																																		1	3	6	6.98
Agropyron trachycaulum																																																			0	0	0.00
Bromus tectorum			1		1			1	1		1		1	1					1			1				1				1																					0	0	0.00
Elymus salinus																																	1	1			1	1	1	1							1			1	19	38	44.19
Elymus cinereus																																																			0	0	0.00
Elymus glaucous																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Stipanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	0	0	1	0	1	0	0	1	1	0	1	0	1	1	0	0	0	0	1	0	0	1	0	1	1	1	0	0	0	1	0	0	0	0	1	1	0	1	1	1	1	1	1	1	1	0	1	0	1	1	26	52	60.47
Trees																																																					
Juniper																																																					
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	0	1	1	1	1	1	0	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0	1	1	0	1	1	1	1	1	1	1	1	1	0	1	1	43	86	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																				
Litter	1						1					1																																								
Rock																																	1			1															6	12	
Bare Ground																							1																													0	0	
Total Physical Features	1	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	7	14	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	

Comments:
Deer Sign present
Tumble mustard present

Horse Canyon Revegetation Project Tally Sheet

Date:6/25/03 | Area:7 | Transect:11 | UTM:0554483/4385083 | Heading:40 | Coordinates:88/10

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens								1	1						1	1				1				1		1								1		1		1	1	1	1			1	1						15	30	33.33
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata		1									1		1															1																							4	8	8.89
Chrysothamnus nauseosus																																																			0	0	0.00
Chrysothamnus viscidiflorus																								1																												1	2	2.22
Cowania mexicana																																																			0	0	0.00
Cerstoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	0	1	0	0	0	0	0	1	1	0	1	0	1	0	1	1	0	0	0	1	0	0	1	1	1	0	0	1	0	0	0	0	0	1	0	1	0	1	1	1	1	0	0	1	1	0	0	0	0	0	20	40	44.44
Forbs & Succulents																																																						
Machaeranthera canescens																																																			0	0	0.00
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Sisymbrium altissimum	1																																																		1	2	2.22
Total Forb Cover	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2.22
Grasses																																																					
Agropyron smithii																																																					
Agropyron spicatum														1																																							0	0	0.00
Agropyron cristatum																																																				1	2	2.22
Agropyron trachycaulum																																																			0	0	0.00
Bromus tectorum			1	1	1		1			1		1					1		1		1	1					1	1		1	1	1		1		1		1												0	0	0.00
Elymus salinus																																																			23	46	51.11
Elymus cinereus																																																			0	0	0.00
Elymus giganteus																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Sitanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	0	0	1	1	1	0	1	0	0	1	0	1	0	1	0	0	1	0	1	0	1	1	0	0	0	1	1	0	1	1	1	0	1	0	1	0	1	0	0	0	0	1	1	0	0	0	1	1	0	1	24	48	53.33
Trees																																																					
Juniper																																																						
Pinon																																																				0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	0	1	45	90	100.00
Cryptobiotic																																																					
Physical Features																																																			0	0	
Litter						1												1														1																						
Rock																																																			5	10	
Bare Ground																																																			0	0	
																																																		0	0	
Total Physical Features	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	5	10	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	
Comments:																																																					

Horse Canyon Revegetation Project Tally Sheet

Date:6/25/03 | Area:7 | Transect:12 | UTM:0558448/4368108 | Heading:36 | Coordinates:0/68

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens					1	1	1				1	1		1	1	1	1		1						1	1								1	1					1										15	30	34.88
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata		1		1									1					1			1				1			1			1					1	1					1	1			1	1			14	28	32.56
Chrysothamnus nauseosus																																																			0	0	0.00
Chrysothamnus viscidiflorus																															1								1										2	4	4.65
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	0	1	0	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	0	1	0	0	0	1	1	1	1	0	0	1	1	0	1	1	0	1	1	1	1	0	0	1	1	0	0	1	1	0	0	31	62	72.09
																																																				0	0.00
Forbs & Succulents																																																				0	0	0.00
Machaeranthera canescens																																																			0	0	0.00
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																						
Agropyron smithii																																																			0	0	0.00
Agropyron spicatum																																																1			1	2	4	4.65
Agropyron cristatum																																																			0	0	0.00
Agropyron trachycaulum																																																			0	0	0.00
Bromus tectorum	1		1							1										1				1				1	1			1										1					1				10	20	23.26
Elymus salinus																																																			0	0	0.00
Elymus cinereus																																																			0	0	0.00
Elymus gigenteus																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Stanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	1	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	1	1	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	1	0	0	1	0	12	24	27.91
Trees																																																					
Juniper																																																				0	0	0.00
Pinon																																																				0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	0	1	1	1	1	1	1	1	0	43	86	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																					
Litter								1	1													1	1																													6	12	
Rock																																				1																0	0	
Bare Ground																																																			1	1	2	
Total Physical Features	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	7	14	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	
Comments:																																																					

Horse Canyon Revegetation Project Tally Sheet

Date: 6/23/03 | Area: 7 | Transect: 13 | UTM: 0564433/4368075 | Heading: 210 | Coordinates: 0/14

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens							1																				1						1	1			1	1	1	1							1	1			10	20	23.81
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata		1		1	1			1	1	1	1	1	1	1			1							1	1	1					1	1	1										1	1	1						20	40	47.62
Chrysothamnus nauseosus																																																			0	0	0.00
Chrysothamnus viscidiflorus																																																			0	0	0.00
Cowania mexicana																																																			0	0	0.00
Cerstoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
																																																			0	0	0.00
Total Shrubs Cover	0	1	0	1	1	0	1	1	1	1	1	1	1	1	0	0	0	1	0	0	0	0	0	1	1	1	1	0	0	0	1	1	1	1	1	0	1	1	1	1	1	1	1	0	0	0	1	1	0	0	30	60	71.43
Forbs & Succulents																																																						
Machaeranthera canescens																																																					
Medicago sativa																																																			0	0	0.00
Medicago L																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Stevnbarbara stenolmum																						1																															1	2	2.38
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2.38
																																																			2	4	4.76
Grasses																																																						
Agropyron smithii																																																					
Agropyron spicatum																																																			0	0	0.00
Agropyron cristatum																																																			0	0	0.00
Agropyron trachycaulum																																																			0	0	0.00
Bromus tectorum	1		1			1									1	1		1	1										1	1						1																0	0	0.00
Elymus salinus																																																			10	20	23.81
Elymus cinereus																																																			0	0	0.00
Elymus gigenteus																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Sitanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
																																																			0	0	0.00
Total Grass Cover	1	0	1	0	0	1	0	0	0	0	0	0	0	0	1	1	0	1	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	20	23.81
Trees																																																					
Juniper																																																						
Pinon																																																						
																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	0	1	1	0	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	0	1	42	84	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																					
Litter																																																					
Rock															1						1		1					1																			1	1					6	12	
Bare Ground																																																				0	0	
																																																	1			2	4	
Total Physical Features	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	8	16	
Comments:	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	

Horse Canyon Revegetation Project Tally Sheet

Date:6/23/03 | Area:7 | Transect:14 | UTM:0558446/4388087 | Heading:89 | Coordinates:54/17

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																			
Atriplex canescens			1	1			1	1					1	1				1	1				1					1	1	1	1	1	1				1	1	1			1	1	1	1	1			24	48	54.55
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata															1					1	1	1		1													1				1										7	14	15.91
Chrysothamnus nauseosus																																																			0	0	0.00
Chrysothamnus viscidiflorus						1																					1																								2	4	4.55
Covaria mexicana																																																			0	0	0.00
Ceratoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	0	0	1	1	0	1	1	1	1	0	0	0	0	1	1	1	0	0	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	0	1	0	1	1	1	1	0	0	1	1	1	1	1	0	33	66	75.00
Forbs & Succulents																																																						
Machaeranthera canescens																																																			0	0	0.00
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcea coccinea																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																					
Agropyron smithii																																																			0	0	0.00
Agropyron spicatum																																																			0	0	0.00
Agropyron orientatum																																																			0	0	0.00
Agropyron trachycaulum																																																			0	0	0.00
Bromus tectorum		1			1				1	1	1	1				1									1	1											1							1							11	22	25.00
Elymus salinus																																																			0	0	0.00
Elymus cinereus																																																			0	0	0.00
Elymus gigenteous																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Stanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	0	1	0	0	1	0	0	0	1	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	11	22	25.00
Trees																																																					
Juniper																																																				0	0	0.00
Pinon																																																				0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	0	1	1	1	1	1	1	0	44	88	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																					
Litter	1																																			1															2	4	
Rock																																																				0	0	
Bare Ground																	1										1																				1				1	4	8	
Total Physical Features	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6	12	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	

Comments:

Globe Mallow present

Horse Canyon Revegetation Project Tally Sheet

Date:6/23/03 | Area:7 | Transect:15 | UTM:0655439/4385860 | Heading:61 | Coordinates:28/58

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																			
Atriplex canescens				1	1			1	1	1		1	1															1		1				1	1						1				1						13	26	28.26
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata																1					1	1		1	1					1								1	1					1		1				10	20	21.74
Chrysothamnus nauseosus																																																			0	0	0.00
Chrysothamnus viscidiflorus																											1																									1	2	2.17
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrube Cover	0	0	0	1	1	0	0	1	1	1	0	1	1	0	0	1	0	0	0	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	0	0	1	1	1	0	0	0	1	1	0	1	0	0	24	48	52.17
Forbs & Succulents																																																						
Machaeranthera canescens																																																					
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Sisymbrium altissimum																																																			1	2	2.17
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	2	2.17
Grasses																																																					
Agropyron cristhi																																																					
Agropyron spicatum																																																			0	0	0.00
Agropyron cristatum																																1										1								2	4	4.35
Agropyron trachycaulum																																																			0	0	0.00
Bromus tectorum	1	1	1								1			1	1			1	1	1	1			1			1					1				1	1	1												0	0	0.00
Elymus salinus																																																			17	34	36.96
Elymus cinereus																																																			0	0	0.00
Elymus gigenteous																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Stipa comata							1																					1																								1	2	2.17
Total Grass Cover	1	1	1	0	0	0	1	0	0	0	1	0	0	1	1	0	1	1	1	1	0	0	1	0	0	1	0	0	1	0	0	1	1	0	0	1	1	1	0	0	0	0	1	0	0	0	1	0	0	21	42	45.65
Trees																																																					
Juniper																																																						
Pinon																																																				0	0	0.00
																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	0	0	46	92	100.00
Cryptobiotic																																																				0	0	
Physical Features																																																					
Litter																																																					
Rock						1																																				1										
Bare Ground																																																		1		2	4	
																																																		1	1	2		
Total Physical Features	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	4	8	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	
Comments:																																																					

Area 11/13/14 Cover Data

Horse Canyon Revegetation Project Tally Sheet

Date:6/27/03 | Area:11 | Transect:1 | UTM:0554818/4387537 | Heading:43

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																							1	1					1																					1	1	6	12	15.38
Atriplex canescens																																									1										0	0	0.00
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			1	2	2.56
Artemisia tridentata tridentata					1																																														0	0	0.00
Chrysothamnus nauseosus																																																			0	0	0.00
Chrysothamnus viscidiflorus																																																			0	0	0.00
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																					
Total Shrubs Cover	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	7	14	17.95
Forbs & Succulents																																																					
Machaeranthera canescens																																																			0	0	0.00
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Salsola kali																																																			0	0	0.00
Sphaeralcea coccinea																																																					
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																					
Agropyron smithii																																																			0	0	0.00
Agropyron spicatum		1	1							1	1	1	1	1	1	1	1		1		1	1	1			1			1			1	1	1	1		1		1			1	1	1						28	52	66.67
Agropyron cristatum																																																				0	0	0.00
Agropyron trachycaulum																																																			0	0	0.00
Bromus tectorum																1											1										1		1	1							1					6	12	15.38
Elymus salinus																																																				0	0	0.00
Elymus cinereus																																																				0	0	0.00
Elymus giganteus																																																				0	0	0.00
Hilaria jamesii																																																				0	0	0.00
Oryzopsis hymenoides																																																				0	0	0.00
Stanion hystrix																																																				0	0	0.00
Sporobolus cryptandrus																																																				0	0	0.00
Stipa comata																																																				0	0	0.00
Total Grass Cover	0	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	1	1	1	0	0	1	0	1	1	0	0	1	1	1	1	0	1	1	1	1	1	1	0	0	1	1	1	1	0	0	32	64	82.05
Trees																																																					
Juniper																																																				0	0	0.00
Pinon																																																				0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	0	1	1	0	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	0	1	1	0	1	1	1	1	1	0	1	1	1	1	1	1	1	0	1	1	1	1	0	1	39	78	100.00
Cryptobiotic																																																				0	0	
Physical Features																																																					
Litter				1				1											1						1																		1					1				4	8	12	
Rock	1																																		1																	2	4	
Bare Ground						1	1																					1																							3	6	
Total Physical Features	1	0	0	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	11	22	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	
Comments:																																																					

Horse Canyon Revegetation Project Tally Sheet

Date: 6/27/03 | Area: 11 | Transect: 2 | UTM: 0564848 / 4387537 | Heading: 72

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens		1								1	1	1			1												1																									9	18	31.03
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata														1										1		1																									3	6	10.34
Chrysothamnus nauseosus																																																			0	0	0.00
Chrysothamnus viscidiflorus																																																			0	0	0.00
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	0	1	0	0	0	0	0	0	0	1	1	1	0	1	1	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	12	24	41.38
Forbs & Succulents																																																						
Mechaeranthera canescens																																																					
Medicago sativa																	1	1																																			0	0	0.00
Melilotus officinalis																																																			2	4	6.90
Penstemon palmeri																																																			0	0	0.00
Salsola kali																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	6.90
Grasses																																																					
Agropyron smithii																																																					
Agropyron spicatum			1	1	1				1																																										0	0	0.00
Agropyron cristatum																												1					1	1	1	1			1									1	1	12	24	41.38
Agropyron trachycaulum																																																			0	0	0.00
Bromus tectorum																																																			0	0	0.00
Elymus salinus																																					1							1							2	4	6.90
Elymus cinereus																																																			0	0	0.00
Elymus gigenteus																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Stanion hystrix																																																			0	0	0.00
Sporobolus cryptandrus																																																			0	0	0.00
Stipe comata																																																			0	0	0.00
Bromus japonicus																																																			0	0	0.00
Total Grass Cover	0	0	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1	1	0	1	0	1	0	0	0	1	0	1	1	0	0	0	1	2	3.45
																																																			15	30	51.72
Trees																																																					
Juniper																																																					
Pinon																																																				0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	0	1	1	1	1	0	0	0	1	1	1	1	0	1	1	0	1	1	0	0	0	0	0	1	0	1	1	0	1	0	0	0	1	1	1	1	0	1	0	1	0	0	0	1	1	1	1	1	1	29	58	100.00
Cryptobiotic																																																					
Physical Features																																																					
Litter																																																				0	0	
Rock																																1																				1	2	
Bare Ground	1				1	1	1						1			1			1	1	1	1	1		1			1		1	1						1			1		1	1	1								0	0	
Total Physical Feature	1	0	0	0	0	1	1	1	0	0	0	0	1	0	0	1	0	0	1	1	1	1	1	0	1	0	0	1	0	1	1	1	0	0	0	0	1	0	1	0	1	1	1	0	0	0	0	0	0	20	40	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	21	42	
Comments:																																																			60	100	

Horse Canyon Revegetation Project Tally Sheet

Date: 6/27/03 | Area: 11 | Transect: 5 | UTM: 0554984 / 4387657 | Heading: 56

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens								1	1	1			1	1	1	1	1	1	1	1	1								1				1																		14	28	31.82
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata																																											1								1	2	2.27
Chrysothamnus nauseosus																																																			0	0	0.00
Chrysothamnus viscidiflorus		1																																							1					1					3	6	6.82
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	0	1	0	0	0	0	0	1	1	1	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	1	0	1	0	0	0	0	18	36	40.91
Forbs & Succulents																																																						
Machaeranthera canescens																																																						
Medicago sativa																																																			0	0	0.00
Melilotus officinalis	1																																																		0	0	0.00
Penstemon palmeri																																																			1	2	2.27
Sphaeralcia coccinea																																																			0	0	0.00
Total Forb Cover	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2.27
Grasses																																																					
Agropyron smithii																																																					
Agropyron spicatum			1	1	1																		1		1			1																							0	0	0.00
Agropyron cristatum																																																			11	22	25.00
Agropyron trachycaulum																																																			0	0	0.00
Bromus tectorum						1	1				1	1																																								0	0	0.00
Elymus salinus																						1		1					1		1			1		1																11	22	25.00
Elymus cinereus																																																				0	0	0.00
Elymus giganteous																																																				0	0	0.00
Hilaria jamesii																																																				0	0	0.00
Oryzopsis hymenoides																																																				0	0	0.00
Stanion hystrix																																																				0	0	0.00
Sporobolus cryptandrus																																																				0	0	0.00
Stipa comata																																																				0	0	0.00
Bromus inermis																										1																												0	0	0.00
																																				1																1	3	6	6.82
Total Grass Cover	0	0	1	1	1	1	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	1	0	1	1	1	0	1	1	1	1	1	1	0	0	0	0	0	0	0	1	0	1	1	25	50	56.82
Trees																																																					
Juniper																																																					
Pinon																																																				0	0	0.00
																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0	0	1	0	1	1	0	1	1	44	88	100.00
Cryptobiotic																																																					
Physical Features																																																				0	0	
Litter																											1																												
Rock																																									1											2	4	
Bare Ground																																										1	1			1					0	0	
																																																			4	8	
Total Physical Features	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1	0	0	1	0	0	8	12	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	
Comments:																																																					

Horse Canyon Revegetation Project Tally Sheet

Date:6/27/03 | Area:11 | Transect:4 | UTM:0554831/4387529 | Heading:91

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens							1	1				1	1			1	1											1	1			1	1	1																		11	22	28.95
Atriplex confertifolia																																																				0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata																																																			2	4	5.26
Chrysothamnus nauseosus																				1																																	5	10	13.16
Chrysothamnus viscidiflorus																																					1			1												4	8	10.53
Cowania mexicana																																																				0	0	0.00
Ceratoides lanata																														1																						1	2	2.63
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	0	0	0	0	0	0	1	1	0	0	0	1	1	0	0	1	1	0	0	0	1	0	0	0	0	0	0	1	1	1	0	1	1	1	0	0	1	0	1	0	0	1	1	0	1	1	1	1	1	1	23	46	60.53
Forbs & Succulents																																																						
Machaeranthera canescens																																																				0	0	0.00
Medicago sativa																																																				0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																						
Agropyron smithii																																																				0	0	0.00
Agropyron spicatum	1	1	1	1	1	1				1	1													1			1				1																					11	22	28.95
Agropyron cristatum																																																				0	0	0.00
Agropyron trachycaulum																																																				0	0	0.00
Bromus tectorum																				1																																	1	2	2.63
Elymus salinus																																																				0	0	0.00
Elymus cinereus															1												1																										3	6	7.89
Elymus glaucus																																																				0	0	0.00
Hilaria jamesii																																																				0	0	0.00
Oryzopsis hymenoides																																																				0	0	0.00
Stipa comata																																																				0	0	0.00
Total Grass Cover	1	1	1	1	1	1	0	0	0	1	1	0	0	0	1	0	0	0	0	1	0	0	0	1	0	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	15	30	39.47
Trees																																																					
Juniper																																																				0	0	0.00
Pinon																																																				0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	1	1	1	1	0	1	1	1	1	0	1	1	1	0	0	1	1	0	0	1	0	1	1	1	1	1	1	1	1	1	0	0	1	0	1	1	0	1	1	0	1	1	1	1	1	1	38	76	100.00
Cryptobiotic																																			1																	1	2	
Physical Features																																																					
Litter															1								1			1											1																4	8	
Rock																																																					0	0	
Bare Ground									1									1	1				1																								1					7	14	
Total Physical Features	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	1	1	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	1	0	0	1	0	0	0	0	0	11	22	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	60	100	

Comments:

Penstemon palmeri present, signs of cattle grazing

Horse Canyon Revegetation Project Tally Sheet

Date: 6/27/03 | Area: 11 | Transect: 6 | UTM: 0644853 / 4387504 | Heading: 232

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens																								1	1	1	1	1										1	1												7	14	19.44
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata																1	1	1				1	1																													5	10	13.89
Chrysothamnus nauseosus	1	1	1	1	1	1																																													6	12	16.67
Chrysothamnus viscidiflorus																																																			0	0	0.00
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																				1																																1	2	2.78
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	0	1	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	19	38	52.78
Forbs & Succulents																																																						
Machaeranthera canescens																																																						
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Euphorbia fendleri								1																																											0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2.78
Grasses																																																					
Agropyron smithii																														1																							
Agropyron spicatum											1	1																																								1	2	2.78
Agropyron cristatum																																	1	1		1	1						1	1	1	1		1				11	22	30.56
Agropyron trachycaulum																																																			0	0	0.00
Bromus tectorum																																																			0	0	0.00
Elymus salinus																																																			0	0	0.00
Elymus cinereus									1	1			1																																							0	0	0.00
Elymus giganteous																																																			3	6	8.33
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Stipa hystrix																																																			0	0	0.00
Sporobolus cryptandrus																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Bromus inermis																																																			0	0	0.00
																													1																							1	2	2.78
Total Grass Cover	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	1	0	1	1	0	0	0	0	1	1	1	1	0	1	0	0	18	32	44.44
Trees																																																					
Juniper																																																						
Pinon																																																					
																																																		0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	1	1	0	1	1	1	1	1	1	0	0	1	1	1	0	1	0	1	1	1	1	1	1	1	1	1	0	0	1	1	1	0	1	1	1	0	0	1	1	1	1	0	1	0	0	0	36	72	100.00
Cryptobiotic																																																					
Physical Features																																																				0	0	
Litter														1	1																1																							
Rock																																																				1	4	8
Bare Ground							1												1		1									1																							1	2	
Total Physical Features	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0	0	0	0	1	1	0	0	0	0	1	0	1	1	0	9	18	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	14	28	
Comments:																																																			50	100	

Medicago sativa, Yellow Astragulus, Snake Weed present

Horse Canyon Revegetation Project Tally Sheet

Date: 6/27/03 | Area: 11 | Transect: 6 | UTM: 0554853 / 4367450 | Heading: 196

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens								1																											1																	2	4	6.25
Atriplex confertifolia																																																				0	0	0.00
Atriplex corrugata																																																				0	0	0.00
Atriplex cuneata																																																				0	0	0.00
Artemisia nova																																																				0	0	0.00
Artemisia tridentata tridentata			1	1																																					1	1				1	1	1	1		8	16	25.00
Chrysothamnus nauseosus																																				1																1	2	3.13
Chrysothamnus viscidiflorus																																																				0	0	0.00
Cowania mexicana																																																				0	0	0.00
Ceratoides lanata																																																				0	0	0.00
Ephedra viridis																																																				0	0	0.00
Sarcobatus vermiculatus																																																				0	0	0.00
Gutierrezia sarothrae																																																				0	0	0.00
Total Shrubs Cover	0	0	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	1	1	0	0	0	1	1	1	1	0	11	22	34.38
Forbs & Succulents																																																						
Machaeranthera canescens																																																				0	0	0.00
Medicago sativa																																																				0	0	0.00
Melilotus officinalis																																																				0	0	0.00
Penstemon palmeri																																																				0	0	0.00
Sphaeralcia coccinea																																																				0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																						
Agropyron smithii																																																				0	0	0.00
Agropyron spicatum																			1	1	1	1	1	1		1		1		1	1		1	1					1													13	26	40.63
Agropyron striatum																																																				0	0	0.00
Agropyron trachycaulum																																																				0	0	0.00
Bromus tectorum												1																																	1							2	4	6.25
Elymus salinus	1	1																																																		2	4	6.25
Elymus cinereus																																																				0	0	0.00
Elymus glaucus																	1																																				1	2	3.13
Hilaria jamesii																																																				0	0	0.00
Oryzopsis hymenoides											1				1																																						2	4	6.25
Stanion hystrix																																																				0	0	0.00
Sporobolus cryptandrus																																																				0	0	0.00
Stipa comata																																																				0	0	0.00
Vulpia octoflora																									1																												1	2	3.13
Total Grass Cover	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	0	1	1	1	1	1	1	1	1	0	1	0	1	1	0	1	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	21	42	65.63
Trees																																																					
Juniper																																																				0	0	0.00
Pinon																																																				0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	0	0	0	1	0	0	1	1	0	0	0	1	1	0	1	1	1	1	1	1	1	1	0	1	0	1	1	0	1	1	1	1	0	1	0	0	1	1	0	0	1	1	1	1	1	0	32	64	100.00
Cryptobiotic																																																				0	0	
Physical Features																																																					
Litter									1						1														1			1					1															5	10	
Rock																																																				2	4	
Bare Ground					1	1	1				1			1	1			1								1													1	1												11	22	
Total Physical Features	0	0	0	0	1	1	1	0	1	1	1	0	0	1	1	1	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	1	0	0	0	0	1	0	1	1	0	0	1	1	0	0	0	0	1	1	18	36	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	

Comments:

Medicago sativa, Penstemin Palmeri present

Horse Canyon Revegetation Project Tally Sheet

Date:8/27/85 | Area:11 | Transect:7 | UTM:0564594 / 4387487 | Heading:95

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens	1				1								1	1	1	1																													1		1	1	10	20	32.26
Atriplex confertifolia																																																		0	0	0.00
Artemisia nova																																																		0	0	0.00
Artemisia tridentata tridentata																																																	0	0	0.00
Chrysothamnus nauseosus																									1						1																		2	4	6.45
Chrysothamnus viscidiflorus																			1																														1	2	3.23
Cowania mexicana																																																	0	0	0.00
Coreiodes lanata																									1																								1	2	3.23
Ephedra viridis																																																	0	0	0.00
Sarcobatus vermiculatus																																																	0	0	0.00
Gutierrezia sarothrae																																																	0	0	0.00
Total Shrubs Cover	1	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0	0	0	0	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	1	14	28	45.16
Forbs & Succulents																																																					
Machaeranthera canescens																																																		0	0	0.00
Medicago sativa																																																		0	0	0.00
Melilotus officinalis																																																		0	0	0.00
Penstemon palmeri																																																		0	0	0.00
Sphaeralcia coccinea																																																		0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																				
Agropyron smithii																																1															1				2	4	6.45
Agropyron spicatum				1				1			1						1				1	1				1		1						1				1					1					1			12	24	38.71
Agropyron cristatum																																																		0	0	0.00
Agropyron trachycaulum																																																		0	0	0.00
Bromus tectorum																																																		0	0	0.00
Elymus salinus																																																		0	0	0.00
Elymus cinereus																																																		0	0	0.00
Elymus gigenteous																																																		1	2	3.23
Hilaria jamesii																																																		0	0	0.00
Oryzopsis hymenoides									1																		1																								2	4	6.45
Stipion hydrix																																																		0	0	0.00
Sporobolus cryptandrus																																																		0	0	0.00
Stipa comata																																																		0	0	0.00
Total Grass Cover	0	0	0	1	0	0	0	1	1	0	1	0	0	0	0	0	1	0	0	0	1	1	0	0	0	0	1	1	1	0	0	1	0	0	0	1	0	0	1	1	0	0	1	0	0	1	0	1	0	0	17	34	54.84
Trees																																																				
Juniper																																																		0	0	0.00
Pinon																																																		0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	0	0	1	1	0	0	1	1	0	1	0	1	1	1	1	1	0	1	0	1	1	0	0	1	1	1	1	1	0	1	1	0	0	0	1	0	0	1	1	0	0	1	1	0	1	1	1	1	1	31	62	100.00
Cryptobiotic																																																		0	0	
Physical Features																																																				
Litter			1							1																																	1							3	6	
Rock																																																			0	0	
Bare Ground		1				1	1					1							1		1			1	1					1		1	1	1		1	1		1				1						16	32	
Total Physical Features	0	1	1	0	0	1	1	0	0	1	0	1	0	0	0	0	0	1	0	1	0	0	1	1	0	0	0	0	0	1	0	0	1	1	1	0	1	1	0	0	1	1	0	0	1	0	0	0	0	0	18	38	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	80	100	

Comments:

Chrysothamnus viscidiflorus, Medicago sativa, Sarcobatus vermiculatus present

Horse Canyon Revegetation Project Tally Sheet

Date:8/27/03 | Area:11 | Transect:8 | UTM:0554883 / 4387376 | Heading:48

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens		1																								1									1	1	1															5	10	15.15
Atriplex confertifolia																																																				0	0	0.00
Artemisia nova																																																				0	0	0.00
Artemisia tridentata tridentata				1																												1		1						1	1				1	1				1	1	9	18	27.27
Chrysothamnus nauseosus																																																				0	0	0.00
Chrysothamnus viscidiflorus																																																				2	4	6.06
Coverta mexicana																																																				0	0	0.00
Cercidoides lanata																																																				0	0	0.00
Ephedra viridis																																																				0	0	0.00
Sarcobatus vermiculatus																																																				0	0	0.00
Gutierrezia sarothrae																																																				0	0	0.00
Total Shrube Cover	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	1	1	1	1	1	1	1	1	0	0	1	1	0	0	0	1	1	18	32	48.48
Forbs & Succulents																																																						
Machaeranthera canescens																																																						
Medicago sativa	1																																																			0	0	0.00
Melilotus officinalis																																1																				2	4	6.06
Penstemon palmeri																																																				0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Total Forb Cover	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	6.06
Grasses																																																						
Agropyron smithii																																																						
Agropyron spicatum														1				1				1						1		1																							0	0	0.00
Agropyron striatum																																																				6	12	18.18
Agropyron trachycaulum																																																				0	0	0.00
Bromus tectorum			1			1		1	1				1				1				1					1																											0	0	0.00
Elymus cinereus																																																				6	18	24.24
Elymus elymoides												1																																								0	0	0.00
Elymus glaucus																																																			1	2	3.03
Koeleria cristata																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Stanton hystrix																																																			0	0	0.00
Sporobolus cryptandrus																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	0	0	1	0	0	1	0	1	1	0	0	1	1	1	0	0	1	1	0	0	1	1	0	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	15	30	45.45
Trees																																																						
Juniper																																																						
Pinon																																																				0	0	0.00
																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	0	1	0	1	1	0	0	1	1	1	0	0	1	1	0	0	1	1	0	0	1	1	0	1	0	1	0	1	1	1	1	1	1	1	1	1	0	0	1	1	0	1	0	1	1	33	66	100.00
Cryptobiotic					1																																														1	2	
Physical Features																																																						
Litter														1																																										
Rock																												1															1	1									4	8	
Bare Ground							1			1	1					1			1	1				1	1				1																			1		1			12	24	
Total Physical Features	0	0	0	0	0	0	1	0	0	1	1	0	0	0	1	1	0	0	1	1	0	0	1	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0	1	0	0	16	32	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	
Comments:																																																						

Horse Canyon Revegetation Project Tally Sheet

Date:8/27/03 | Area:11 | Transect:8 | UTM:0644824 / 4387404 | Heading:84

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens																		1						1	1										1			1				1					1	1	1			9	18	26.47
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata	1	1																													1	1							1												5	10	14.71
Chrysothamnus nauseosus						1																																													1	2	2.94
Chrysothamnus viscidiflorus																																																			0	0	0.00
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	1	1	0	0	1	0	1	0	1	0	1	0	0	0	0	1	1	1	0	0	15	30	44.12
Forbs & Succulents																																																						
Machaeranthera canescens																																																				0	0	0.00
Medicago sativa										1	1	1																																								3	6	8.82
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	6	8.82
Grasses																																																					
Agropyron smithii																																																			0	0	0.00
Agropyron spicatum																										1																		1	1						1	4	8	11.76
Agropyron trichophorum																																																			0	0	0.00
Agropyron trachycaulum																																																			0	0	0.00
Bromus tectorum													1		1		1		1		1	1	1						1	1															1				1	11	22	32.35
Elymus cinereus																																																			0	0	0.00
Elymus elymoides																																																			0	0	0.00
Elymus gigantoeus																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Sporobolus cryptandrus																																																			0	0	0.00
Bromus japonicus																																																			1	2	2.94
Total Grass Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	1	0	1	1	1	0	0	1	0	1	1	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	1	0	0	0	1	16	32	47.06
Trees																																																					
Juniper																																																				0	0	0.00
Pinon																																																				0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	0	0	0	1	0	0	0	1	1	1	1	0	1	0	1	1	1	0	1	1	1	1	1	1	0	1	1	0	1	1	0	0	1	0	1	1	1	0	1	1	1	1	1	1	1	1	1	1	34	68	100.00
Cryptobiotic																																																				0	0	
Physical Features																																																					
Litter			1																											1							1				1										5	10	
Rock																																																				0	0	
Bare Ground				1	1		1	1	1					1		1					1					1							1	1																11	22	
Total Physical Features	0	0	1	1	1	0	1	1	1	0	0	0	0	1	0	1	0	0	0	1	0	0	0	0	0	0	1	0	0	1	0	0	1	1	0	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	16	32	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	
Comments:																																																					

Horse Canyon Revegetation Project Tally Sheet

Date: 8/27/03 | Area: 11 | Transect: 10 | UTM: 0664848 / 4387406 | Heading: 62

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens		1				1													1													1	1				1														6	12	15.38
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata				1																															1															2	4	5.13
Chrysothamnus nauseosus																																						1	1	1												3	6	7.69
Chrysothamnus viscidiflorus																																																			0	0	0.00
Coleogyne ramosissima																																																			0	0	0.00
Coreidolea lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
																																																			0	0	0.00
Total Shrubs Cover	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	11	22	28.21
Forbs & Succulents																																																						
Machaeranthera canescens																																																						
Medicago sativa	1																																																			0	0	0.00
Melilotus officinalis																																																				1	2	2.56
Penstemon palmeri																																																				0	0	0.00
Sphaeralcea coccinea																																																				0	0	0.00
																																																			0	0	0.00
Total Forb Cover	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2.56
Grasses																																																						
Agropyron smithii																																																						
Agropyron spicatum			1				1		1	1	1				1																																						0	0	0.00
Agropyron striatum																																																				2	16	20.51
Agropyron trachycaulum																																																				0	0	0.00
Bromus tectorum												1		1		1	1	1				1	1	1	1	1	1	1		1	1				1																	0	0	0.00
Elymus cinereus																																																				0	0	0.00
Elymus elymoides																																																				0	0	0.00
Elymus glaucus																																																				0	0	0.00
Hilaria jamesii																																																				0	0	0.00
Oryzopsis hymenoides																																																				0	0	0.00
Stipa comata																																																				0	0	0.00
																																																			0	0	0.00
Total Grass Cover	0	0	1	0	0	0	1	0	1	1	1	1	0	1	1	1	1	1	0	0	0	1	1	1	1	1	1	0	1	1	0	0	1	0	0	0	0	0	0	0	1	1	1	0	1	1	1	0	0	27	54	69.23
Trees																																																						
Juniper																																																						
Pinon																																																				0	0	0.00
																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	0	1	1	0	1	1	1	1	0	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	0	1	1	1	1	1	0	1	1	1	0	0	39	78	100.00
Cryptobiotic																				1	1																																2	4	
Physical Features																																																					
Litter																																																						
Rock																																																				1		3	6	
Bare Ground				1			1						1															1							1															1	1	0	0	
																																																				6	12	
Total Physical Features	0	0	0	0	1	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	1	0	0	0	1	1	9	18	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	80	100	
Comments:																																																						
Tumble Mustard																																																						

Horse Canyon Revegetation Project Tally Sheet

Date: 6/27/03 | Area: 11 | Transect: 11 | UTM: 0554544 / 4367264 | Heading: 84

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens																																																			0	0	0.00
Atriplex confertifolia		1	1			1	1	1			1								1	1									1	1							1								1	1				13	26	27.66
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata																																											1		1			1			3	6	6.38
Chrysothamnus nauseosus																																																			0	0	0.00
Chrysothamnus viscidiflorus																																																			0	0	0.00
Coleria mollena																																																			0	0	0.00
Coralodes lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	0	1	1	0	0	0	1	1	1	0	0	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	0	0	0	1	0	1	1	1	1	0	0	16	32	34.04
Forbs & Succulents																																																						
Mechoranthera canescens																																																			0	0	0.00
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																					
Agropyron smithii																																																				0	0	0.00
Agropyron spicatum					1				1							1					1																																4	8	8.51
Agropyron trichophorum																																																			0	0	0.00
Bromus tectorum	1									1		1	1	1	1		1	1				1	1	1	1	1	1			1	1	1	1	1		1	1		1		1		1						1	26	52	55.32
Elymus cinereus																																																			1	2	2.13
Elymus elymoides																																																			0	0	0.00
Elymus glaucus																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	1	0	0	0	1	0	0	0	1	1	0	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	0	1	0	1	0	1	0	1	0	0	0	0	1	31	62	66.09
Trees																																																					
Juniper																																																				0	0	0.00
Pinon																																																				0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	0	1	47	94	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																					
Litter																																																				1	2	
Rock				1																																															1	2	
Bare Ground																																																			1	1	2	
Total Physical Features	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	3	6	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	

Comments:
Cliff Rose, Crested Wheat Grass present

Horse Canyon Revegetation Project Tally Sheet

Date: 6/27/05 | Area: 11 | Transect: 11 | UTM: 0544545 / 4367235 | Heading: 96

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens																			1												1	1			1	1		1	1												8	16	20.51
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata													1							1																																	2	4	5.13
Chrysothamnus nauseosus																																																			0	0	0.00
Chrysothamnus viscidiflorus																																																			0	0	0.00
Coweria mexicana																																																			0	0	0.00
Ceratoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																					1	1						1		1																						4	8	10.26
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1	1	0	0	0	0	0	1	0	1	1	1	0	0	1	1	0	1	1	0	0	0	0	0	0	0	0	0	1	0	14	28	35.90
Forbs & Succulents																																																						
Globe Mallow																																																					
Machaeranthera canescens																																																			0	0	0.00
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																					
Agropyron smithii																																																					
Agropyron spicatum		1				1																																														0	0	0.00
Agropyron trichophorum																							1	1	1									1							1				1	1	1	1			11	22	28.21
Agropyron trachycaulum																																																				0	0	0.00
Bromus tectorum	1				1		1		1			1			1	1	1	1									1		1																							0	0	0.00
Elymus cellnus																																																			1	12	24	30.77
Elymus diversus																																																			0	0	0.00
Elymus glaucus																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Stanion hystrix																																																			1	2	2.56
Sporobolus cryptandrus																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Vulpia octoflora			1																																																0	0	0.00
Total Grass Cover	1	1	1	0	1	1	1	0	1	0	0	1	0	0	1	1	1	1	0	0	0	0	1	1	1	0	1	0	1	0	0	0	0	1	0	0	1	0	0	1	0	0	0	0	1	1	1	1	0	1	1	2	2.56
Trees																																																					
Juniper																																																						
Pinon																																																					
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	0	1	1	1	0	1	0	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	0	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1	39	78	100.00
Cryptobiotic																																																					
Physical Features																																																			0	0	
Litter																																																					
Rock																											1																		1							2	4	
Bare Ground			1				1		1	1			1																					1																	0	0	
																																									1	1	1							3	16	
Total Physical Features	0	0	0	1	0	0	0	1	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	11	22	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	

Comments:

Elymus diversus

Horse Canyon Revegetation Project Tally Sheet

Date:6/27/03 | Area:11 | Transect:13 | UTM:0564613 / 4367332 | Heading:118

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens				1	1	1					1																	1	1					1	1	1							1							10	20	29.41
Atriplex confertifolia																																															1				1	2	2.94
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata																																																			0	0	0.00
Chrysothamnus nauseosus																																																			0	0	0.00
Chrysothamnus viscidiflorus														1	1																																						2	4	5.88
Coverdia mexicana																																																				0	0	0.00
Ceratoides lanata																											1																										1	2	2.94
Ephedra viridis																																																				0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	0	0	0	0	1	1	1	0	0	0	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	1	1	1	0	0	0	0	0	0	0	1	0	0	0	0	1	0	14	28	41.18
Forbs & Succulents																																																						
Machaeranthera canescens																																																						
Medicago sativa																																																			0	0	0.00
Mollotus officinale																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Salsola kali																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																					
Agropyron smithii																																																					
Agropyron spicatum								1	1																1					1																						0	0	0.00
Agropyron cristatum											1									1		1	1									1				1					1		1				1				9	18	26.47
Agropyron trachycaulum																																																			4	8	11.76
Bromus tectorum								1								1	1																																			0	0	0.00
Elymus cinereus																																																			5	10	14.71
Elymus elymoides																																																			0	0	0.00
Elymus gigenteus																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Stipa comata		1	1																																																0	0	0.00
Sporobolus cryptandrus																																																			2	4	5.88
Total Grass Cover	0	1	1	0	0	0	0	1	1	1	0	1	0	0	0	0	1	1	0	1	0	1	1	0	1	0	0	0	0	0	1	0	1	0	0	0	1	0	0	0	1	0	1	0	1	0	0	0	1	0	26	40	58.82
Trees																																																					
Juniper																																																						
Pinon																																																				0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	0	1	1	0	1	1	1	1	1	1	1	1	0	1	1	0	1	1	0	1	0	1	1	0	1	0	1	1	1	0	1	0	1	1	1	1	1	0	0	0	1	0	1	1	1	0	1	0	1	1	34	68	100.00
Cryptobiotic																																																					
Physical Features																																																				0	0	
Litter												1							1					1																													4	8	
Rock																																																				0	0	
Bare Ground	1			1											1						1					1				1		1																				12	24	
Total Physical Features	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	0	1	0	0	1	0	1	0	0	0	1	0	1	0	1	1	1	0	1	0	0	0	1	0	1	0	0	1	0	0	0	16	32	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	
Comments:																																																					
Agropyron Cristatum																																																					

Horse Canyon Revegetation Project Tally Sheet

Date:8/27/03 | Area:11 | Transect:14 | UTM:0564668 / 4347291 | Heading:86

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens																																																			0	0	0.00
Atriplex confertifolia		1	1		1	1																																												4	8	12.12
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata																																																		0	0	0.00
Chrysothamnus nauseosus																																																		0	0	0.00
Chrysothamnus viscidiflorus																																																		0	0	0.00
Coleogyne ramosissima																																																		0	0	0.00
Ceratoides lanata																																																		0	0	0.00
Ephedra viridis																																																		0	0	0.00
Sarcobatus vermiculatus																																																		0	0	0.00
Gillenia sericea																																																		0	0	0.00
Total Shrubs Cover	0	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	8	12.12
Forbs & Succulents																																																						
Machaeranthera canescens																																																			0	0	0.00
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcea coccinea																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																					
Agropyron smithii																															1																						
Agropyron spicatum	1						1		1																1												1														1	2	3.03
Agropyron x albidum																			1																																	5	10	15.15
Agropyron trachycaulum																																																			1	2	3.03
Bromus tectorum				1								1	1			1				1	1			1		1			1		1				1	1														0	0	0.00
Elymus salinus																																																			12	24	36.36
Elymus cinereus																																																			0	0	0.00
Elymus glaucifolius															1		1																																		0	0	0.00
Hilaria jamesii																																																			2	4	6.06
Oryzopsis hymenoides																																																			0	0	0.00
Stanion hystrix																																																			3	6	9.09
Sporobolus cryptandrus																																																			2	4	6.06
Stipa comata																																																			0	0	0.00
																																																			3	6	9.09
Total Grass Cover	1	0	0	1	0	0	0	1	0	1	0	1	1	0	1	1	1	0	0	1	1	1	0	1	0	1	0	1	0	1	1	1	0	0	0	1	1	1	0	1	0	1	1	1	1	0	1	1	1	0	29	58	87.88
Trees																																																					
Juniper																																																					
Pinon																																																			0	0	0.00
																																																		0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	1	1	0	1	0	1	0	1	1	0	1	1	1	0	0	1	1	1	0	1	0	1	0	1	0	1	1	1	0	0	0	1	1	1	0	1	0	1	1	1	1	0	1	1	1	0	33	66	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																					
Litter							1				1								1				1						1																									
Rock														1																																						5	10	
Bare Ground								1										1							1		1						1	1	1			1		1					1					1	2	
																																																			11	22	
Total Physical Features	0	0	0	0	0	0	1	0	1	0	1	0	0	1	0	0	0	1	1	0	0	0	1	0	1	0	1	0	1	0	0	0	1	1	1	0	0	0	1	0	1	0	0	0	0	1	0	0	0	1	17	34	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	
Comments:																																																					

Horse Canyon Revegetation Project Tally Sheet

Date:6/27/03 | Area:11 | Transect:15 | UTM:[illegible] | Heading:51

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																					
Atriplex canescens	1								1				1	1								1		1	1				1	1																					9	18	25.00
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata																															1																				1	2	2.78
Chrysothamnus nauseosus																																																			0	0	0.00
Chrysothamnus viscidiflorus																																																			0	0	0.00
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																																	1																		1	2	2.78
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																				1						1										1				1	1	1	1				1				8	16	22.22
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	1	0	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	0	0	1	0	1	0	1	1	1	0	0	1	1	1	0	1	0	0	1	0	0	0	1	1	1	1	0	0	0	1	0	0	0	19	38	52.78
Forbs & Succulents																																																					
Machaeranthera canescens																																																			0	0	0.00
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcea coccinea																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																					
Agropyron smithii																																																			0	0	0.00
Agropyron spicatum		1		1	1		1	1		1	1				1			1					1					1							1		1														13	26	36.11
Agropyron cristatum																																																			0	0	0.00
Agropyron trachycaulum																																																			0	0	0.00
Bromus tectorum																1			1		1																														3	6	8.33
Elymus salinus																																																			0	0	0.00
Elymus cinereus																																																			0	0	0.00
Elymus giganteus																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Sitanion hystrix																																							1												1	2	2.78
Sporobolus cryptandrus																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	0	1	0	1	1	0	1	1	0	1	1	0	0	0	1	1	0	1	1	0	1	0	1	0	0	0	0	1	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	17	34	47.22
Trees																																																					
Juniper																																																			0	0	0.00
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	0	1	1	0	1	1	1	1	1	0	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0	1	1	1	1	0	1	0	1	1	1	0	1	1	1	1	1	0	0	0	1	0	0	0	36	72	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																					
Litter			1									1					1										1					1		1				1						1	1	1		1	1	1	13	26	
Rock																																																			0	0	
Bare Ground						1																																													1	2	
Total Physical Features	0	0	1	0	0	1	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	1	0	0	0	1	0	0	0	0	0	1	1	1	0	1	1	1	14	28	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	
Comments:																																																					

Area 15/17 Cover Data

Horse Canyon Cover Sheet

Date:6/19/03 | Area:16/17 | Transect:1 | UTM:0663833/4386978 | Heading:90

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens																												1																	1		1	1		4	8	10.53
Atriplex confertifolia																																																		0	0	0.00
Artemisia nova																																																		0	0	0.00
Artemisia tridentata tridentata					1							1				1									1				1				1			1		1		1			1						1	12	24	31.58
Chrysothamnus nauseosus																																																		0	0	0.00
Chrysothamnus viscidiflorus																																																		0	0	0.00
Cowania mexicana																																																		0	0	0.00
Ceratoides lanata																																																		0	0	0.00
Ephedra viridis																																																		0	0	0.00
Sarcobatus vermiculatus									1								1			1	1												1																	5	10	13.16
Gutierrezia sarothrae																																																		0	0	0.00
Total Shrubs Cover	0	0	0	0	1	0	0	0	1	0	0	1	0	0	0	1	1	0	0	1	1	0	0	0	1	0	0	1	1	0	0	0	1	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	1	1	21	42	55.26
Forbs																																																					
Machaeranthera canescens																																																		0	0	0.00
Medicago sativa																																																		0	0	0.00
Melilotus officinalis																																																		0	0	0.00
Penstemon palmeri																																																		0	0	0.00
Sphaeralcia coccinea																																																		0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																					
Agropyron smithii																																																			0	0	0.00
Agropyron spicatum															1																																				1	2	2.63
Agropyron cristatum																																																		0	0	0.00
Agropyron trachycaulum																																																		0	0	0.00
Bromus tectorum	1			1		1	1				1		1												1					1	1	1			1		1		1					1			1				16	32	42.11
Elymus salinus																																																		0	0	0.00
Elymus cinereus																																																		0	0	0.00
Elymus gigenteous																																																		0	0	0.00
Hilaria jamesii																																																		0	0	0.00
Oryzopsis hymenoides																																																		0	0	0.00
Stanion hystrix																																																		0	0	0.00
Stipa comata																																																		0	0	0.00
Total Grass Cover	1	0	0	1	0	1	1	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1	0	0	1	0	1	0	1	0	0	0	1	0	1	0	1	0	0	0	17	34	44.74
Trees																																																					
Juniper																																																		0	0	0.00
Pinon																																																		0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	0	0	1	1	1	1	0	1	0	1	1	1	0	1	1	1	0	0	1	1	0	0	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	38	76	100.00
Cryptobiotic																																																		0	0	
Physical Features																																																				
Litter																																																			0	0	
Rock																												1																								1	2	
Bare Ground		1	1					1		1				1				1	1				1	1			1														1									11	22	
Total Physical Features	0	1	1	0	0	0	0	1	0	1	0	0	0	1	0	0	0	1	1	0	0	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	12	24	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	

Comments:

Yellow Clover present

Horse Canyon Cover Sheet

Date:6/19/03 | Area:15/17 | Transect:2 | UTM:0553871/4366994 | Heading:266

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																			
Atriplex canescens		1										1				1					1																													4	8	12.90
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata																																			1					1								1			3	6	9.68
Chrysothamnus nauseosus																																																			0	0	0.00
Chrysothamnus viscidiflorus																																																			0	0	0.00
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	7	14	22.58
Forbs																																																						
Machaeranthera canescens																																																				0	0	0.00
Medicago sativa																																																			1	1	2	3.23
Melilotus officinalis																																																			1	1	2	3.23
Penstemon palmeri																																																				0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	4	6.45
Grasses																																																					
Agropyron smithii																																																			0	0	0.00
Agropyron spicatum								1	1			1		1				1						1	1				1																1						9	18	29.03
Agropyron cristatum																																																			0	0	0.00
Agropyron trachycaulum																																																			0	0	0.00
Bromus tectorum	1		1				1													1		1										1					1	1		1		1								10	20	32.26
Elymus salinus																																																			0	0	0.00
Elymus cinereus																											1																									1	2	3.23
Elymus giganteous																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																				1											1				2	4	6.45
Stipion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	1	0	1	0	0	0	1	1	1	0	0	1	0	1	0	0	0	1	0	1	0	1	0	1	1	0	1	0	0	1	0	0	1	0	0	1	0	1	1	0	1	0	1	0	0	1	1	0	0	0	22	44	70.97
Trees																																																					
Juniper																																																				0	0	0.00
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	0	0	0	1	1	1	0	0	1	1	1	0	1	0	1	0	1	1	1	0	1	1	0	1	0	0	1	0	0	1	0	1	1	0	1	1	1	1	0	1	0	0	1	1	1	1	1	31	62	100.00
Cryptobiotic																																																				0	0	
Physical Features																																																					
Litter															1																																						1	2	
Rock																																																				0	0	
Bare Ground				1	1	1				1	1						1		1				1			1			1																							18	36	
Total Physical Features	0	0	0	1	1	1	0	0	0	1	1	0	0	0	1	0	1	0	1	0	0	0	1	0	0	1	0	1	1	0	1	1	0	1	0	0	1	0	0	0	0	1	0	1	1	0	0	0	0	0	19	38	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	
Comments:																																																					

Horse Canyon Cover Sheet

Date:6/19/03 | Area:16/17 | Transect:3 | UTM:0683068/4367037 | Heading:264

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																			
Atriplex canescens	1		1				1	1												1	1	1	1			1	1	1	1			1																		13	26	32.50
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata																1																1		1		1	1													5	10	12.50
Chrysothamnus nauseosus																																																			0	0	0.00
Chrysothamnus viscidiflorus																																																			0	0	0.00
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae									1																																										1	2	2.50
Total Shrubs Cover	1	0	1	0	0	0	1	1	1	0	0	0	0	0	0	1	0	0	0	1	1	1	1	0	0	1	1	1	1	0	0	1	1	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	19	38	47.50
Forbs & Succulents																																																						
Machaeranthera canescens																																																				0	0	0.00
Medicago sativa																																																				0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																						
Agropyron smithii																																																				0	0	0.00
Agropyron spicatum														1	1		1	1																										1	1	1					1	1	9	18	22.50
Agropyron cristatum																																																				0	0	0.00
Agropyron trachycaulum																																																			0	0	0.00
Bromus tectorum		1		1	1	1				1	1		1												1					1							1				1									11	22	27.50
Elymus salinus																																																				0	0	0.00
Elymus cinereus																																																				0	0	0.00
Elymus giganteus																																																				0	0	0.00
Hilaria jamesii																																																				0	0	0.00
Oryzopsis hymenoides																																																				0	0	0.00
Stanion hystrix																																																				0	0	0.00
Stipa comata																																																				0	0	0.00
Bromus japonicus																								1																														1	2	2.50
Total Grass Cover	0	1	0	1	1	1	0	0	0	1	1	0	1	1	1	0	1	1	0	0	0	0	0	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	1	1	1	1	0	0	0	0	1	1	21	42	52.50
Trees																																																						
Juniper																																																				0	0	0.00
Pinon																																																				0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	0	1	1	1	0	1	0	1	1	1	0	1	1	1	1	0	0	0	0	1	1	40	80	100.00
Cryptobiotic																																																				0	0	
Physical Features																																																						
Litter																																		1																	1	2	
Rock																																																				0	0	
Bare Ground												1							1										1							1				1						1	1	1	1			9	18	
Total Physical Features	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	1	0	0	0	0	1	1	1	1	0	0	10	20	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	

Comments:

Horse Canyon Cover Sheet

Date:6/19/03	Area:15/17						Transect:4								UTM:0553974/4367620																		Heading:304																			
Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																					
Atriplex canescens						1		1																										1	1			1	1	1					1	1					9	18	21.95
Atriplex confertifolia											1																																								1	2	2.44
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata					1				1	1					1		1					1	1	1	1								1																		10	20	24.39
Chrysothamnus nauseosus																																																			0	0	0.00
Chrysothamnus viscidiflorus																																																			0	0	0.00
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	0	0	0	0	1	1	0	1	1	1	1	0	0	0	1	0	1	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	1	1	1	0	0	1	1	1	0	0	0	0	1	1	0	0	0	0	20	40	48.78
Forbs & Succulents																																																					
Machaeranthera canescens																																																			0	0	0.00
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcea coccinea																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																						
Agropyron smithii																																																			0	0	0.00
Agropyron spicatum	1			1																																												1	1	1	5	10	12.20
Agropyron cristatum																																																			0	0	0.00
Agropyron trachycaulum																																																			0	0	0.00
Bromus tectorum							1							1		1		1			1					1	1	1			1	1				1	1				1	1	1	1							16	32	39.02
Elymus salinus																																																			0	0	0.00
Elymus cinereus																																																			0	0	0.00
Elymus giganteus																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Sitanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	1	0	0	1	0	0	1	0	0	0	0	0	0	1	0	1	0	1	0	0	1	0	0	0	0	1	1	1	0	0	1	1	0	0	0	1	1	0	0	0	1	1	1	1	0	0	0	1	1	1	21	42	51.22
Trees																																																						
Juniper																																																			0	0	0.00
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	0	0	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	41	82	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																						
Litter		1																																																	1	2	
Rock																																																			0	0	
Bare Ground			1									1	1						1	1									1	1																	1				8	16	
Total Physical Features	0	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	9	18	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	
Comments:																																																						
Atriplex cuneata present																																																						

Horse Canyon Cover Sheet

Date:6/19/93 | Area:16/17 | Transect:6 | UTM:0553965/4367934 | Heading:307

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																					
Atriplex canescens												1		1				1								1		1		1							1	1													8	16	20.00
Atriplex confertifolia													1																																						1	2	2.50
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata																			1								1		1														1						1		5	10	12.50
Chrysothamnus nauseosus																																																			0	0	0.00
Chrysothamnus viscidiflorus																																																			0	0	0.00
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus								1	1	1															1																										4	8	10.00
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	0	0	0	0	0	0	0	1	1	1	0	1	1	1	0	0	0	1	1	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	1	1	0	0	0	0	1	0	0	0	0	0	1	0	18	36	45.00
Forbs & Succulents																																																					
Machaeranthera canescens																																																			0	0	0.00
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																					
Agropyron smithii																																				1															1	2	2.50
Agropyron spicatum		1																																										1				1		1	4	8	10.00
Agropyron cristatum																																																			0	0	0.00
Agropyron trachycaulum																																																			0	0	0.00
Bromus tectorum	1										1				1					1	1		1	1							1	1		1	1				1												12	24	30.00
Elymus salinus			1			1	1															1																													4	8	10.00
Elymus cinereus																																																			0	0	0.00
Elymus giganteus																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																				0	0	0.00
Sitanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Bromus japonicus																																	1																		1	2	2.50
Total Grass Cover	1	1	1	0	0	1	1	0	0	0	1	0	0	0	1	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	0	0	1	0	0	0	0	1	0	0	0	1	0	1	22	44	55.00
Trees																																																					
Juniper																																																			0	0	0.00
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	0	0	0	1	1	1	40	80	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																					
Litter					1																																								1						2	4	
Rock																																																			0	0	
Bare Ground				1												1	1																							1	1	1				1	1				8	16	
Total Physical Features	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	1	1	1	0	0	0	10	20	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	

Comments:

Unknown forb 2 - 4 nutlets - burr; small 5 leafed purple flower, six weeks fescue, yellow clover, ceratoides lanata, sitanion hysterix, little white daisy, globe mallow, Atriplex cuneata present

Horse Canyon Cover Sheet

Date:6/19/03 | Area:15/17 | Transect:6 | UTM:0683736/4366967 | Heading:24

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens							1					1	1		1				1																																5	10	12.20
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata		1	1		1	1			1								1	1																						1	1							1	1			11	22	26.83
Chrysothamnus nauseosus										1														1	1																										3	6	7.32
Chrysothamnus viscidiflorus																						1																													1	2	2.44
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus	1																																																		1	2	2.44
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	1	1	1	0	1	1	1	0	1	1	0	1	1	0	1	0	1	1	1	0	0	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	0	21	42	51.22
Forbs & Succulents																																																						
Machaeranthera canescens																																																			0	0	0.00
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																							1																													1	2	2.44
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2.44
Grasses																																																					
Agropyron smithii																																																					
Agropyron spicatum																																																			0	0	0.00
Agropyron cristatum																																																		1	1	2	2.44
Agropyron trachycaulum																																																			0	0	0.00
Bromus tectorum																1				1	1			1			1	1		1			1	1	1							1	1	1	1	1				0	0	0.00
Elymus salinus																																																			15	30	36.59
Elymus cinereus																																																			0	0	0.00
Elymus giganteous																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Stanion hystrix																																																			0	0	0.00
Stipa comata																														1	1						1														3	6	7.32
Total Grass Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	0	1	0	0	1	1	0	1	1	1	1	1	1	1	0	0	0	0	0	0	1	1	1	1	1	0	0	1	19	38	46.34
Trees																																																					
Juniper																																																						
Pinon																																																			0	0	0.00
																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	0	1	1	1	0	1	1	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	0	0	0	1	1	0	1	1	1	1	1	1	1	1	41	82	100.00
Cryptobiotic																																																					
																																																			0	0	
Physical Features																																																					
Litter				1																																															1	2	
Rock											1																																								1	2	
Bare Ground								1						1																																					1	2	
																												1									1	1	1				1								7	14	
Total Physical Features	0	0	0	1	0	0	0	1	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	0	0	1	0	0	0	0	0	0	0	0	9	18	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	

Comments:

Ephedra viridus, galleta, pj, tumble mustard, winterfat, globe mallow, Japanese brome, oryzopsis hymenoides present

Horse Canyon Cover Sheet

Date:6/19/03 | Area:16/17 | Transect:7 | UTM:[illegible] | Heading:86

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																					
Atriplex canescens																			1								1			1								1									1				5	10	12.82
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata					1	1	1	1	1	1	1						1	1							1	1		1	1		1						1									1		1			17	34	43.59
Chrysothamnus nauseosus																																																			0	0	0.00
Chrysothamnus viscidiflorus																																																			0	0	0.00
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																																	1																		1	2	2.56
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	0	1	0	0	0	1	1	0	0	0	0	0	0	0	1	1	1	0	0	23	46	58.97
Forbs & Succulents																																																					
Machaeranthera canescens																																																			0	0	0.00
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																					
Agropyron smithii																																																			0	0	0.00
Agropyron spicatum																																																		1	1	2	2.56
Agropyron cristatum																																																			0	0	0.00
Agropyron trachycaulum																																																			0	0	0.00
Bromus tectorum	1	1		1								1			1	1				1	1			1										1	1				1	1					1				1		15	30	38.46
Elymus salinus																																																			0	0	0.00
Elymus cinereus																																																			0	0	0.00
Elymus giganteous																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																				0	0	0.00
Sitanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	1	1	0	1	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	0	0	0	0	1	0	0	0	1	1	16	32	41.03
Trees																																																					
Juniper																																																			0	0	0.00
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	0	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	0	1	1	1	0	1	1	1	1	0	0	0	0	1	1	1	1	1	1	39	78	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																					
Litter																																										1									1	2	
Rock																																									1										1	2	
Bare Ground			1										1	1								1	1									1				1							1	1							9	18	
Total Physical Features	0	0	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	1	1	1	1	0	0	0	0	0	0	11	22	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	
Comments:																																																					

Horse Canyon Cover Sheet

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Date:6/19/03	Area:15/17						Transect:8								UTM:0553702/4367061																		Heading:42																				
Shrubs																																																					
Atriplex canescens										1			1	1						1	1	1	1	1							1						1														10	20	25.00
Atriplex confertifolia						1																											1																		2	4	5.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata	1			1																												1						1				1	1		1				1		8	16	20.00
Chrysothamnus nauseosus																																																			0	0	0.00
Chrysothamnus viscidiflorus																																																			0	0	0.00
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus											1				1			1	1						1																			1							6	12	15.00
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	1	0	0	1	0	1	0	0	0	1	1	0	1.	1	1	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	1	1	1	0	0	0	1	1	0	0	0	1	1	1	1	0	0	0	1	0	26	52	65.00
Forbs & Succulents																																																					
Machaeranthera canescens																																																			0	0	0.00
Medicago sativa																																																			0	0	0.00
Mellilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																					
Agropyron smithii																																																			0	0	0.00
Agropyron spicatum					1																													1	1	1				1	1							1			7	14	17.50
Agropyron cristatum																																																			0	0	0.00
Agropyron trachycaulum																																																			0	0	0.00
Bromus tectorum								1				1														1				1																					4	8	10.00
Elymus salinus																																																			0	0	0.00
Elymus cinereus									1																																										1	2	2.50
Elymus giganteous																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides		1																											1																						2	4	5.00
Sitanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	0	1	0	0	1	0	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0	1	1	1	0	0	0	1	1	0	0	0	0	0	0	1	0	0	14	28	35.00
Trees																																																					
Juniper																																																			0	0	0.00
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	0	1	1	1	0	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	0	0	1	1	0	40	80	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																						
Litter																											1												1											1	3	6	
Rock																	1																													1					2	4	
Bare Ground			1				1									1												1																			1				5	10	
Total Physical Features	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	0	0	1	10	20	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	
Comments:																																																					

Horse Canyon Cover Sheet

Date:6/19/03 | Area:15/17 | Transect:9 | UTM:0683787/4367626 | Heading:131

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens	1	1			1	1	1											1	1					1			1	1									1	1	1					1	1			1			16	32	35.56
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata																							1						1	1						1														5	10	11.11
Chrysothamnus nauseosus																						1																													1	2	2.22
Chrysothamnus viscidiflorus																																																		0	0	0.00
Cowania mexicana																																																		0	0	0.00
Cerstoides lanata								1																																										1	2	2.22
Ephedra viridis																																																		0	0	0.00
Sarcobatus vermiculatus																	1																																	2	4	4.44
Gutierrezia sarothrae																																																		0	0	0.00
Total Shrubs Cover	1	1	0	0	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	0	0	1	1	1	0	0	1	1	1	1	0	0	0	0	0	1	1	1	1	1	0	0	0	1	1	0	0	1	1	0	25	50	55.56
Forbs & Succulents																																																					
Machaeranthera canescens																																																					
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																					
Agropyron smithii																																																					
Agropyron spicatum																										1																										0	0	0.00
Agropyron cristatum																																									1	1	1								4	8	8.89
Agropyron trachycaulum																																																			0	0	0.00
Bromus tectorum			1	1					1	1				1	1	1				1	1				1					1	1	1	1																0	0	0.00
Elymus salinus																																															1	1				16	32	35.56
Elymus cinereus																																																			0	0	0.00
Elymus gigenteous																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Sitanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	0	0	1	1	0	0	0	0	1	1	0	0	0	1	1	1	0	0	0	1	1	0	0	0	1	1	0	0	0	0	1	1	1	1	0	0	0	0	0	0	1	1	1	0	0	1	1	0	0	0	20	40	44.44
Trees																																																					
Juniper																																																					
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	45	90	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																				
Litter																																																				
Rock																																																			0	0	
Bare Ground											1	1	1																						1															0	0	
Total Physical Features	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	5	10
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	45	90	100.00
Comments:																																																					

Horse Canyon Cover Sheet

Date:6/19/03 | Area:16/17 | Transect:10 | UTM:0663612/4366961 | Heading:310

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens										1	1	1																	1	1	1				1											1	1			9	18	20.93
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata	1								1				1				1						1																				1	1	1						8	16	18.60
Chrysothamnus nauseosus																						1																													1	2	2.33
Chrysothamnus viscidiflorus																																																		0	0	0.00
Cowania mexicana																																																		0	0	0.00
Ceratoides lanata																																																		0	0	0.00
Ephedra viridis																																																		0	0	0.00
Sarcobatus vermiculatus																																																		0	0	0.00
Gutierrezia sarothrae																																																		0	0	0.00
Total Shrubs Cover	1	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	1	0	0	0	0	1	1	0	0	0	0	0	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	18	36	41.86
Forbs & Succulents																																																					
Machaeranthera canescens																																																			0	0	0.00
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																					
Agropyron smithii																																																					
Agropyron spicatum					1																																															0	0	0.00
Agropyron cristatum																																											1	1								3	6	6.98
Agropyron trachycaulum																																																			0	0	0.00
Bromus tectorum				1		1	1	1						1	1	1			1	1	1				1	1	1	1	1				1	1	1		1	1		1	1									0	0	0.00
Elymus salinus																																																			22	44	51.16
Elymus cinereus																																																			0	0	0.00
Elymus gigenteous																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	0	0	0	1	1	1	1	1	0	0	0	0	0	1	1	1	0	1	1	1	0	0	0	1	1	1	1	1	0	0	0	1	1	1	0	1	1	0	1	1	1	1	0	0	0	0	0	0	0	0	25	50	58.14
Trees																																																					
Juniper																																																					
Pinon																																																			0	0	0.00
																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	0	1	1	1	1	1	1	1	0	0	43	86	100.00
Cryptobiotic																																																					
																																																			0	0	
Physical Features																																																					
Litter																																																					
Rock																																																			0	0	
Bare Ground		1	1																		1															1								1							2	4	
																																																	1	1	5	10	
Total Physical Features	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	0	1	1	1	7	14	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	

Comments:

Medicago sativa, tumble mustard present

Horse Canyon Cover Sheet

Date:6/19/03	Area:16/17						Transect:11								UTM:0553696/4367133																		Heading:237																						
Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																					
Atriplex canescens			1	1				1	1																																		1		1						6	12	18.18
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata										1	1										1																														3	6	9.09
Chrysothamnus nauseosus																											1																	1							2	4	6.06
Chrysothamnus viscidiflorus																																																			0	0	0.00
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	0	0	1	1	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	11	22	33.33
Forbs & Succulents																																																					
Machaeranthera canescens																																																			0	0	0.00
Medicago sativa												1																																							1	2	3.03
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3.03
Grasses																																																					
Agropyron smithii																																						1													1	2	3.03
Agropyron spicatum	1	1													1	1	1	1	1						1	1					1	1			1	1	1		1	1	1						1	1			19	38	57.58
Agropyron cristatum																																																			0	0	0.00
Agropyron trachycaulum																																																			0	0	0.00
Bromus tectorum																																																			0	0	0.00
Elymus salinus																																																			0	0	0.00
Elymus cinereus														1																																					1	2	3.03
Elymus giganteous																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Sitanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	1	1	0	0	0	0	1	1	0	0	1	1	1	1	1	1	1	0	0	0	0	0	1	1	0	0	21	42	63.64
Trees																																																					
Juniper																																																			0	0	0.00
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	0	0	0	1	1	1	1	1	0	1	1	1	1	1	1	0	1	0	0	0	1	1	1	0	0	0	1	1	0	0	1	1	1	1	1	1	1	0	1	1	1	0	1	1	0	0	33	66	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																					
Litter																						1																													1	2	
Rock																																																			0	0	
Bare Ground					1	1	1						1							1			1	1				1	1	1			1	1								1				1			1	1	16	32	
Total Physical Features	0	0	0	0	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	1	0	1	1	1	0	0	0	1	1	1	0	0	1	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	1	1	17	34	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	
Comments:																																																					
Japanese brome Cliffrose present																																																					

Horse Canyon Cover Sheet

Date:6/19/03 | Area:15/17 | Transect:12 | UTM:0543956/4367120 | Heading:01

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens																	1																		1	1						1	1	1	1						7	14	17.95
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata								1								1		1																			1			1											5	10	12.82
Chrysothamnus nauseosus																																																			0	0	0.00
Chrysothamnus viscidiflorus																																																			0	0	0.00
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																					
Total Shrubs Cover	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	1	1	1	1	1	0	0	0	0	0	12	24	30.77
Forbs & Succulents																																																					
Macheranthera canescens																																																					
Medicago sativa																									1	1																											2	4	5.13
Melilotus officinalis																								1																												1	2	2.56
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	6	7.69
Grasses																																																					
Agropyron smithii																																																					
Agropyron spicatum				1	1	1	1	1		1	1							1	1	1							1	1	1	1	1	1																		16	32	41.03
Agropyron cristatum																																																				0	0	0.00
Agropyron trachycaulum																																																			0	0	0.00
Bromus tectorum															1																		1					1											3	6	7.69
Elymus salinus																																																			0	0	0.00
Elymus cinereus																																																			0	0	0.00
Elymus giganteus																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Sitanion hystrix																																																			0	0	0.00
Stipa comata																																																			4	8	10.26
Bromus inermis																							1																													1	2	2.56
Total Grass Cover	0	0	0	1	1	1	1	1	0	1	1	0	0	0	1	0	0	0	1	1	1	0	1	0	0	0	1	1	1	1	1	1	1	0	0	0	0	1	0	0	0	0	0	0	1	1	1	1	24	48	61.54
Trees																																																					
Juniper																																																				0	0	0.00
Pinon																																																				0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	0	0	0	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	0	1	1	1	1	1	0	1	1	1	39	78	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																					
Litter			1									1		1																																					3	6	
Rock																																																			0	0	
Bare Ground	1	1											1									1													1				1			1								1	8	16	
Total Physical Features	1	1	1	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	1	0	0	0	0	11	22	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	0	1	1	1	50	100	

Comments:

Macheranthera canescens, Elymus cinereus present, signs of cattle - last year

Horse Canyon Cover Sheet

Date:6/19/03 | Area:16/17 | Transect:13 | UTM:0683987/4367994 | Heading:94

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																			
Atriplex canescens											1	1																																							2	4	5.26
Atriplex confertifolia																																																		0	0	0.00
Artemisia nova																																																		0	0	0.00
Artemisia tridentata tridentata				1																													1	1	1												1			5	10	13.16
Chrysothamnus nauseosus																																																		0	0	0.00
Chrysothamnus viscidiflorus																																																		0	0	0.00
Cowania mexicana																																																		0	0	0.00
Ceratoides lanata																																																		0	0	0.00
Ephedra viridis																																																		0	0	0.00
Sarcobatus vermiculatus																																																		0	0	0.00
Gutierrezia sarothrae																																																		0	0	0.00
Total Shrubs Cover	0	0	0	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	1	0	0	0	7	14	18.42
Forbs & Succulents																																																					
Machaeranthera canescens																																																		0	0	0.00
Medicago sativa																																																		0	0	0.00
Melilotus officinalis																																										1								1	2	2.63
Penstemon palmeri																																																		0	0	0.00
Sphaeralcia coccinea																																																		0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	2	2.63
Grasses																																																				
Agropyron smithii																																																		0	0	0.00
Agropyron spicatum	1	1	1		1	1			1	1			1	1					1	1	1				1	1		1			1	1		1	1				1	1					1	1		1	28	52	68.42
Agropyron cristatum																																																		0	0	0.00
Agropyron trachycaulum																																																		0	0	0.00
Bromus tectorum																																																		0	0	0.00
Elymus salinus																																																		0	0	0.00
Elymus cinereus								1																		1																								2	4	5.26
Elymus giganteous																																																		0	0	0.00
Hilaria jamesii																																																		0	0	0.00
Oryzopsis hymenoides																												1	1																						2	4	5.26
Stanion hystrix																																																		0	0	0.00
Stipa comata																																																		0	0	0.00
Total Grass Cover	1	1	1	0	1	1	0	1	1	1	0	0	1	1	0	0	0	1	1	1	0	0	0	1	1	1	1	1	1	1	1	0	1	1	0	0	0	1	1	1	1	1	0	0	1	0	30	60	78.95
Trees																																																				
Juniper																																																		0	0	0.00
Pinon																																																		0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	1	1	0	1	1	1	1	1	1	1	0	0	0	1	1	1	0	0	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	0	1	0	38	76	100.00
Cryptobiotic																																																				
																																																			0		
Physical Features																																																				
Litter																																																				
Rock																																																		0	0	
Bare Ground							1								1	1	1					1	1	1								1										1	1					1		1	12	24	
Total Physical Features	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	0	0	0	1	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	0	1	12	24	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	

Comments:

Six weeks Fescue

Horse Canyon Cover Sheet

Date:6/19/03 | Area:15/17 | Transect:14 | UTM:0883822/4367968 | Heading:246

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens								1	1																	1										1																4	8	12.50
Atriplex confertifolia																																																				0	0	0.00
Artemisia nova																																																				0	0	0.00
Artemisia tridentata tridentata																1																		1										1	1			1	1			8	12	18.75
Chrysothamnus nauseosus																	1																																			1	2	3.13
Chrysothamnus viscidiflorus																																																			0	0	0.00
Cowania mexicana																																																				0	0	0.00
Ceratoides lanata																							1																														1	2	3.13
Ephedra viridis																																																				0	0	0.00
Sarcobatus vermiculatus							1								1																																					2	4	6.25
Gutierrezia sarothrae																																																				0	0	0.00
Total Shrubs Cover	0	0	0	0	0	0	1	1	1	0	0	0	0	0	1	1	1	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	0	0	1	1	0	0	14	28	43.75
Forbs & Succulents																																																						
Machaeranthera canescens																																																				0	0	0.00
Medicago sativa																																																				0	0	0.00
Medicago L.																																																				0	0	0.00
Melilotus officinalis																																																				0	0	0.00
Penstemon palmeri																																																				0	0	0.00
Sphaeralcia coccinea																																																				0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																						
Agropyron smithii																																																				0	0	0.00
Agropyron spicatum					1					1	1	1	1					1	1					1			1	1	1	1	1					1	1							1	1					17	34	53.13
Agropyron cristatum																																																				0	0	0.00
Agropyron trachycaulum																																																			0	0	0.00
Bromus tectorum																																		1																	1	2	3.13
Elymus salinus																																																				0	0	0.00
Elymus cinereus																																																				0	0	0.00
Elymus giganteus																																																				0	0	0.00
Hilaria jamesii																																																				0	0	0.00
Oryzopsis hymenoides																																																				0	0	0.00
Stanion hystrix																																																				0	0	0.00
Stipa comata																																																				0	0	0.00
Total Grass Cover	0	0	0	0	0	1	0	0	0	0	1	1	1	1	0	0	0	0	1	1	0	0	0	0	1	0	0	1	1	1	1	1	0	0	1	0	0	1	1	0	0	0	0	0	0	1	1	0	0	0	18	36	56.25
Trees																																																					
Juniper																																																				0	0	0.00
Pinon																																																				0	0	0.00
																																																				0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	0	0	0	0	0	1	0	1	1	1	1	1	1	1	0	1	1	1	1	1	0	0	0	1	1	0	1	1	1	1	1	1	0	0	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1	0	0	32	64	100.00
Cryptobiotic																																																				0	0	
Physical Features																																																						
Litter							1																																														1	2	
Rock																																																						0	0	
Bare Ground	1	1	1	1	1										1						1	1	1			1							1	1							1	1	1	1							1	1	17	34	
Total Physical Features	1	1	1	1	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1	0	0	1	0	0	0	0	0	0	1	1	0	0	0	0	0	1	1	1	1	0	0	0	0	0	1	1	18	36	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	

Comments:

Horse Canyon Cover Sheet

Date: 6/19/03 | Area: 16/17 | Transect: 16 | UTM: 0683976/4367111 | Heading: 287

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens							1	1																						1														1								4	8	10.00
Atriplex cuneata																																																				0	0	0.00
Artemisia nova																																																				0	0	0.00
Artemisia tridentate tridentata		1				1			1									1	1				1												1										1	1	1					10	20	25.00
Chrysothamnus nauseosus																																																				0	0	0.00
Chrysothamnus viscidiflorus																																																				0	0	0.00
Cowania mexicana																																																				0	0	0.00
Ceratoides lanata																																																				0	0	0.00
Ephedra viridis																																																				0	0	0.00
Sarcobatus vermiculatus	1																																																			1	2	2.50
Gutierrezia sarothrae																																																				0	0	0.00
Total Shrubs Cover	1	1	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	15	30	37.50
Forbs & Succulents																																																						
Machaeranthera canescens																																																				0	0	0.00
Medicago sativa																				1																																	1	2	2.50
Melilotus officinalis																																																				0	0	0.00
Penstemon palmeri																																																				0	0	0.00
Sphaeralcia coccinea																																																				0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2.50
Grasses																																																						
Agropyron smithii																																																				0	0	0.00
Agropyron spicatum			1							1	1	1	1								1	1					1	1	1		1	1	1	1					1	1	1	1	1					1	1	1		22	44	55.00
Agropyron cristatum																																																					0	0	0.00
Agropyron trachycaulum																																																				0	0	0.00
Bromus tectorum																								1		1																												2	4	5.00
Elymus Salinus																																																				0	0	0.00
Elymus cinereus																																																				0	0	0.00
Elymus gigenteous																																																				0	0	0.00
Hilaria jamesii																																																				0	0	0.00
Oryzopsis hymenoides																																																				0	0	0.00
Sitanion hystrix																																																				0	0	0.00
Stipa comata																																																				0	0	0.00
Total Grass Cover	0	0	1	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	1	1	0	1	0	1	1	1	1	0	1	1	1	1	0	0	0	1	1	1	1	1	0	0	0	0	1	1	1	0	24	48	60.00
Trees																																																					
Juniper																																																					0	0	0.00
Pinon																																																				0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	0	0	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	40	80	100.00
Cryptobiotic																																																				0	0	
Physical Features																																																						
Litter														1											1																													2	4	
Rock																																																				0	0	
Bare Ground				1	1										1	1	1																				1	1													1	8	16	
Total Physical Features	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	10	20	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	

Comments:

Snake weed, Medicago sativa, Penstemon palmeri, Indian Rice grass on site

Horse Canyon Cover Sheet

Date:6/18/03 | Area:18 | Transect:9 | UTM:0884278/4368887 | Heading:241

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens																																																			0	0	0.00
Atriplex confertifolia						1																																												0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata																																																		0	0	0.00
Chrysothamnus nauseosus	1																																																	1	2	3.13
Chrysothamnus viscidiflorus																																																		0	0	0.00
Cowania mexicana																																																		0	0	0.00
Cercotobies lanata																																																		0	0	0.00
Ephedra viridis																																																		0	0	0.00
Sarcobatus vermiculatus																																																		0	0	0.00
Gutierrezia sarothrae																																																					
Total Shrubs Cover	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3.13
Forbs & Succulents																																																					
Machaeranthera canescens																																																			0	0	0.00
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																					
Agropyron smithii																																																			0	0	0.00
Agropyron spicatum		1		1	1	1	1										1				1		1	1		1	1	1			1	1	1			1	1						1	1			1	1	1	1	23	46	71.88
Agropyron cristatum																																																				0	0	0.00
Agropyron trachycaulum																																																			0	0	0.00
Bromus tectorum																																																			0	0	0.00
Elymus salinus																																																			0	0	0.00
Elymus cinereus																																																			0	0	0.00
Elymus giganteous													1	1	1	1			1	1																					1	1											8	16	25.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Sitanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	0	1	0	1	1	1	1	0	0	0	0	0	1	1	1	1	1	0	1	1	1	0	1	1	0	1	1	0	0	1	1	1	0	1	1	0	0	1	1	0	1	1	0	0	0	1	1	1	1	31	62	96.88
Trees																																																				
Juniper																																																			0	0	0.00
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	0	1	1	1	1	0	0	0	0	0	1	1	1	1	1	0	1	1	1	0	1	1	0	1	1	0	0	1	1	1	0	1	1	0	0	1	1	0	1	1	0	0	0	1	1	1	1	32	64	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																				
Litter												1																																									1	2	
Rock																																																				0	0	
Bare Ground			1					1	1	1	1								1			1			1				1				1				1	1			1			1	1			1	1	1		17	34	
Physical Features	0	0	1	0	0	0	0	1	1	1	1	1	0	0	0	0	0	1	0	0	0	1	0	0	1	0	0	0	1	1	0	0	0	1	0	0	1	1	0	0	1	0	0	1	1	1	0	0	0	0	18	36	
Comments:	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	

Area 16 Cover Data

Horse Canyon Cover Sheet

Date:6/18/03 | Area:16 | Transect:1 | UTM:0554212/4368868 | Heading:85

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens				1																																	1												2	4	6.25
Atriplex confertifolia											1	1																																					1	3	6	9.38
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata																																									1		1	1							3	6	9.38
Chrysothamnus nauseosus																																																			0	0	0.00
Chrysothamnus viscidiflorus																																																			0	0	0.00
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia serothrae																																																			0	0	0.00
Total Shrubs Cover	0	0	0	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	1	0	0	0	0	0	1	8	16	25.00
Forbs & Succulents																																																						
Machaeranthera canescens																																																			0	0	0.00
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																					
Agropyron smithii																																																					
Agropyron spicatum					1		1	1						1		1		1	1				1	1	1	1			1	1		1		1			1	1		1						1				20	40	62.50
Agropyron cristatum																																																			0	0	0.00
Agropyron trachycaulum																																																			0	0	0.00
Bromus tectorum			1						1																																										0	0	0.00
Elymus salinus																																																			1	3	6	9.38
Elymus cinereus																				1																																1	2	3.13
Elymus giganteus																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Stanton hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	0	0	1	0	1	0	1	1	1	0	0	0	0	1	0	1	0	1	1	1	0	0	1	1	1	1	0	0	1	1	0	1	0	1	0	1	0	0	1	1	0	1	0	0	0	1	0	1	0	0	24	48	75.00
Trees																																																					
Juniper																																																						
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	0	0	1	1	1	0	1	1	1	0	1	1	0	1	0	1	0	1	1	1	0	0	1	1	1	1	0	0	1	1	0	1	0	1	0	1	0	1	1	1	1	1	1	1	0	1	0	1	0	1	32	64	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																					
Litter																																																					
Rock													1																																						0	0	
Bare Ground	1	1			1					1					1		1				1	1					1	1			1		1		1		1													1	2	
Total Physical Features	1	1	0	0	0	1	0	0	0	1	0	0	1	0	1	0	1	0	0	0	1	1	0	0	0	0	1	1	0	0	1	0	1	0	1	0	1	0	0	0	0	0	0	0	1	0	1	0	1	0	17	34	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	18	36	
Comments:																																																			50	100	

Horse Canyon Cover Sheet

Date:6/18/03 Area:16 Transect:2 UTM:0684216/4366943 Heading:299

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens							1																	1	1	1										1		1	1	1				1							9	18	33.33
Atriplex confertifolia																																															1		1	2	4	7.41
Artemisia nova																																																		0	0	0.00
Artemisia tridentata tridentata																																																		0	0	0.00
Chrysothamnus nauseosus																																																		0	0	0.00
Chrysothamnus viscidiflorus																																																		0	0	0.00
Cowania mexicana																																																		0	0	0.00
Ceratoides lanata																																																		0	0	0.00
Ephedra viridis																																																		0	0	0.00
Sarcobatus vermiculatus																																																		0	0	0.00
Gutierrezia sarothrae																																																		0	0	0.00
Total Shrubs Cover	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	1	0	1	1	1	0	0	0	1	0	0	0	1	0	1	11	22	40.74
Forbs & Succulents																																																					
Medicago sativa																																																		0	0	0.00
Melilotus officinalis																																																		0	0	0.00
Sphaeralcia coccinea																																																		0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																					
Agropyron smithii																																																		0	0	0.00
Agropyron spicatum	1								1				1			1				1				1							1																				7	14	25.93
Agropyron cristatum																																																			0	0	0.00
Agropyron trachycaulum																																																			0	0	0.00
Bromus tectorum																				1		1						1	1		1	1	1			1															9	18	33.33
Elymus salinus																																																			0	0	0.00
Elymus cinereus																																																			0	0	0.00
Elymus gigenteous																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	1	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0	0	1	0	1	0	1	1	0	0	0	0	1	1	1	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	18	32	59.26
Trees																																																					
Juniper																																																					
Pinon																																																			0	0	0.00
																																																		0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	0	0	0	0	0	0	0	1	0	1	0	0	1	0	1	0	0	1	0	1	0	1	1	1	1	1	0	1	1	1	1	1	1	0	0	1	1	1	1	1	0	0	0	1	0	0	1	1	0	1	27	54	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																				
Litter				1		1			1		1										1																																		
Rock							1																																												5	10	
Bare Ground		1	1		1							1		1		1	1		1								1								1	1							1	1			1	1		1	1		1	2	
																																																			17	34	
Physical Features	0	1	1	1	1	1	1	0	1	0	1	1	0	1	0	1	1	0	1	0	1	0	0	0	0	0	1	0	0	0	0	0	0	1	1	0	0	0	0	0	1	1	0	0	1	1	0	1	1	0	23	46	
Comments:	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	2	1	1	50	100		

Horse Canyon Cover Sheet

Date:6/18/03 | Area:16 | Transect:3 | UTM:0654328/4387012 | Heading:163

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens	1			1	1			1	1	1		1			1					1																															9	18	21.43
Atriplex confertifolia																																																			0	0	0.00
Atriplex cuneata																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata		1																							1	1																	1									4	8	9.52
Chrysothamnus nauseosus																																																		1	1	2	2.38
Chrysothamnus viscidiflorus																																																			0	0	0.00
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	1	1	0	1	1	0	0	1	1	1	0	1	0	0	1	0	0	0	0	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	14	28	33.33
Forbs & Succulents																																																						
Machaeranthera canescens																																																				0	0	0.00
Medicago sativa																																																				0	0	0.00
Melilotus officinalis																							1	1			1								1		1			1				1	1			1	1		10	20	23.81
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	1	0	0	0	1	1	0	0	1	1	0	10	20	23.81
Grasses																																																					
Agropyron smithii																																																					
Agropyron spicatum																												1	1	1		1		1																	0	0	0.00
Agropyron cristatum																																																				6	12	14.29
Agropyron trachycaulum																																																			0	0	0.00
Bromus tectorum		1			1							1			1	1	1	1			1										1				1		1													0	0	0.00
Elymus salinus																																																			12	24	28.57
Elymus cinereus																																																			0	0	0.00
Elymus giganteus																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Stanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	0	0	1	0	0	0	1	0	0	0	0	0	1	0	0	1	1	1	1	0	0	1	0	0	0	0	0	1	1	1	1	1	0	1	0	1	0	1	0	0	0	0	0	0	0	1	1	0	0	0	18	36	42.86
Trees																																																					
Juniper																																																						
Pinon																																																				0	0	0.00
																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	1	0	1	1	1	1	0	1	1	0	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	0	1	0	1	0	1	1	1	1	1	1	1	42	84	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																					
Litter											1																																										
Rock																																																				1	2	
Bare Ground					1								1							1												1							1			1		1		1					0	0	
																																																			7	14	
Physical Features	0	0	0	0	0	1	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	0	8	16	
Comments:	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	

Horse Canyon Cover Sheet

Date:6/18/03 | Area:16 | Transect:4 | UTM:0664285/4366943 | Heading:96

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens		1										1			1									1						1								1														6	12	17.65
Atriplex confertifolia																																																				0	0	0.00
Artemisia nova																																																				0	0	0.00
Artemisia tridentata tridentata						1	1			1								1			1					1																											6	12	17.65
Chrysothamnus nauseosus																																																		1	1	2	2.94
Chrysothamnus viscidiflorus																																																				0	0	0.00
Cowania mexicana																																																				0	0	0.00
Ceratoides lanata																																																				0	0	0.00
Ephedra viridis																																																				0	0	0.00
Sarcobatus vermiculatus																																																				0	0	0.00
Gutierrezia sarothrae																																																				0	0	0.00
Total Shrubs Cover	0	1	0	0	0	1	1	0	0	1	0	1	0	0	1	0	1	0	0	0	1	0	0	1	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	13	26	38.24
Forbs & Succulents																																																						
Machaeranthera canescens																																																				0	0	0.00
Medicago sativa	1			1	1															1		1						1																									6	12	17.65
Melilotus officinalis																																																				0	0	0.00
Penstemon palmeri																																																				0	0	0.00
Sphaeralcia coccinea																																																				0	0	0.00
Total Forb Cover	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	12	17.65
Grasses																																																					
Agropyron smithii																																																				0	0	0.00
Agropyron spicatum																							1							1						1	1	1														5	10	14.71
Agropyron cristatum																																																				0	0	0.00
Agropyron trachycaulum																																																				0	0	0.00
Bromus tectorum			1					1		1		1						1																																			10	20	29.41
Elymus salinus																																																				0	0	0.00
Elymus cinereus																																																				0	0	0.00
Elymus giganteous																																																				0	0	0.00
Hilaria jamesii																																																				0	0	0.00
Oryzopsis hymenoides																																																				0	0	0.00
Stipa comata																																																				0	0	0.00
Total Grass Cover	0	0	1	0	0	0	0	0	1	0	1	0	1	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	1	1	1	0	0	1	1	0	1	1	0	1	0	0	0	0	0	15	30	44.12
Trees																																																					
Juniper																																																						
Pinon																																																				0	0	0.00
																																																				0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	1	1	1	0	1	1	1	1	1	0	1	0	1	1	0	1	1	1	1	1	0	1	0	1	1	1	0	0	0	1	1	1	0	1	1	1	0	1	1	0	1	0	0	0	0	1	34	68	100.00
Cryptobiotic																																																				0	0	
Physical Features																																																					
Litter																	1								1																																
Rock																																	1																				2	4	
Bare Ground							1							1					1							1											1	1																2	4	
																																																					12	24	
Physical Features	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	1	0	0	1	0	0	0	0	0	1	0	1	0	0	0	1	1	1	0	0	0	1	0	0	0	1	0	0	1	0	1	1	1	1	0	16	32	
Comments:	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	

Horse Canyon Cover Sheet

Date:6/18/03 | Area:16 | Transect:6 | UTM:0684199/4366987 | Heading:184

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens				1		1														1	1														1			1	1											7	14	17.95
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata																		1													1																				2	4	5.13
Chrysothamnus nauseosus																																																			0	0	0.00
Chrysothamnus viscidiflorus																																																			0	0	0.00
Cowania mexicana																																																			0	0	0.00
Coryphantha tenuispina																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																					
Total Shrubs Cover	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	9	18	23.08
Forbs & Succulents																																																					
Machaeranthera canescens																																																			0	0	0.00
Medicago sativa								1									1		1						1						1			1			1	1							1		1				10	20	25.64
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	1	1	0	0	0	0	0	1	0	1	0	0	10	20	25.64
Grasses																																																					
Agropyron smithii																																																			0	0	0.00
Agropyron spicatum			1						1	1	1											1			1	1		1	1	1					1							1		1		1			1	1	16	32	41.03
Agropyron cristatum																							1																													1	2	2.56
Agropyron trachycaulum																																																			0	0	0.00
Bromus tectorum				1										1																												1									3	6	7.69
Elymus salinus																																																			0	0	0.00
Elymus cinereus																																																			0	0	0.00
Elymus giganteaus																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Stanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	0	0	1	1	0	0	0	0	1	1	1	0	0	1	0	0	0	0	0	0	0	1	1	0	1	1	0	1	1	1	0	0	0	0	0	1	0	0	0	0	1	1	0	1	0	1	0	0	1	1	20	40	51.28
Trees																																																					
Juniper			1																																																	0	0	0.00
Pinon																																																				0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	0	0	1	1	1	0	1	1	1	1	1	0	0	1	0	0	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0	1	1	1	1	0	1	1	39	78	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																					
Litter																																																				0	0	
Rock																																																1				1	2	
Bare Ground	1	1				1						1	1		1	1								1										1														1			10	20	
Physical Features	1	1	0	0	0	1	0	0	0	0	0	1	1	0	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	11	22	
Comments:	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	

Horse Canyon Cover Sheet

Date:6/18/03	Area:16						Transect:6								UTM:0554280/436694																		Heading:13																					
Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																					
Atriplex canescens		1											1																																						2	4	8.00
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata							1	1													1					1																						1			5	10	20.00
Chrysothamnus nauseosus																																																			0	0	0.00
Chrysothamnus viscidiflorus																																																			0	0	0.00
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	0	1	0	0	0	0	1	1	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	7	14	28.00
Forbs & Succulents																																																					
Globe Mallow																																																			0	0	0.00
Machaeranthera canescens																																																			0	0	0.00
Medicago sativa																1							1					1		1	1						1														6	12	24.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	1	0	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	6	12	24.00
Grasses																																																					
Agropyron smithii																																																			0	0	0.00
Agropyron spicatum				1						1	1													1			1		1					1					1		1									1	10	20	40.00
Agropyron cristatum	1																																																		1	2	4.00
Agropyron trachycaulum																																																			0	0	0.00
Bromus tectorum			1																																																1	2	4.00
Elymus salinus																																																			0	0	0.00
Elymus cinereus																																																			0	0	0.00
Elymus giganteous																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Sitanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
																																																			0	0	0.00
Total Grass Cover	1	0	1	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0	0	0	0	1	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1	12	24	48.00
Trees																																																					
Juniper																																																			0	0	0.00
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	0	0	1	1	0	1	1	0	1	0	0	1	0	0	0	0	1	0	1	1	0	1	1	1	1	1	1	0	0	1	0	0	1	0	1	0	1	0	0	0	0	0	0	1	0	1	25	50	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																					
Litter					1																																														1	2	
Rock																																	1																1		2	4	
Bare Ground						1			1			1		1	1		1	1	1	1		1			1							1			1	1		1		1		1	1	1	1	1	1				22	44	
Physical Features	0	0	0	0	1	1	0	0	1	0	0	1	0	1	1	0	1	1	1	1	0	1	0	0	1	0	0	0	0	0	0	1	1	0	1	1	0	1	0	1	0	1	1	1	1	1	1	0	1	0	25	50	
Comments:	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	

Horse Canyon Cover Sheet

Date:6/13/03 | Area:16 | Transect:7 | UTM:0584295/4366990 | Heading:26

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens						1																																												0	0	0.00
Atriplex confertifolia																																																		0	0	0.00
Artemisia nova																															1																				2	4	6.25
Artemisia tridentata tridentata								1																																										1	2	3.13
Chrysothamnus nauseosus																											1																								0	0	0.00
Chrysothamnus viscidiflorus																																																	0	0	0.00
Cowania mexicana																																																		0	0	0.00
Ceratoides lanata																																																		0	0	0.00
Ephedra viridis																																																		0	0	0.00
Sarcobatus vermiculatus																																																		0	0	0.00
Gutierrezia sarothrae																																																				
Total Shrubs Cover	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	8	12.50
Forbs & Succulents																																																					
Machaeranthera canescens																																																		0	0	0.00
Medicago sativa									1							1			1																1								1								5	10	15.63
Melilotus officinalis																																																		0	0	0.00
Penstemon palmeri																							1		1																1										3	6	9.38
Sphaeralcia coccinea																																																		0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	1	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	0	0	8	16	25.00
Grasses																																																				
Agropyron smithii																																																		0	0	0.00
Agropyron spicatum	1	1		1	1		1			1	1		1									1	1				1		1		1		1	1			1						1		1			1	1	20	40	62.50
Agropyron cristatum																																																			0	0	0.00
Agropyron trachycaulum																																																		0	0	0.00
Bromus tectorum																																																		0	0	0.00
Elymus salinus																																																		0	0	0.00
Elymus cinereus																																																		0	0	0.00
Elymus gigenteous																																																		0	0	0.00
Hilaria jamesii																																																		0	0	0.00
Oryzopsis hymenoides																																																		0	0	0.00
Stanion hystrix																																																		0	0	0.00
Stipa comata																																																		0	0	0.00
Total Grass Cover	1	1	0	1	1	0	1	0	0	1	1	0	1	0	0	0	0	0	0	0	1	1	0	0	0	1	0	1	0	1	0	1	1	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	1	1	20	40	62.50
Trees																																																				
Juniper																																																		0	0	0.00
Pinon																																																		0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	0	1	1	1	1	1	1	1	1	1	0	1	0	1	0	0	1	0	0	1	1	1	0	1	1	1	1	0	1	1	1	0	1	1	0	0	1	0	0	0	1	1	0	1	0	0	1	1	32	64	100.00
Cryptobiotic																																																	1		1	2	
Physical Features																																																				
Litter																																																			0	0	
Rock															1			1							1					1							1												5	10	
Bare Ground			1									1					1			1	1													1				1			1		1	1			1		1		12	24	
Physical Features	0	0	1	0	0	0	0	0	0	0	0	1	0	1	0	1	1	0	1	1	0	0	0	1	0	0	0	0	1	0	0	0	0	1	0	0	1	1	0	1	1	1	0	0	1	0	1	0	0	0	17	34	
Comments:	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	

Horse Canyon Cover Sheet

Date:4/16/03 | Area:16 | Transect:6 | UTM:0664317/4368863 | Heading:186

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens																				1	1									1															1	1	1		1			7	14	25.93
Atriplex confertifolia																																																			0	0	0.00
Atriplex cuneata																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata			1				1				1																															1									4	8	14.81
Chrysothamnus nauseosus																																																			0	0	0.00
Chrysothamnus viscidiflorus																																																			0	0	0.00
Cowania mexicana																																																			0	0	0.00
Cercidoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	0	0	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1	0	1	0	0	11	22	40.74
Forbs & Succulents																																																						
Globe Mallow																																																				0	0	0.00
Machaeranthera canescens																																																				0	0	0.00
Medicago sativa					1														1								1												1				1	1					1		7	14	25.93
Melilotus officinalis																																																				0	0	0.00
Penstemon palmeri																																																				0	0	0.00
Sphaeralcia coccinea																																																				0	0	0.00
Total Forb Cover	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0	0	0	1	0	7	14	25.93
Grasses																																																					
Agropyron smithii																																																					
Agropyron spicatum								1			1				1	1						1	1			1							1																			0	0	0.00
Agropyron cristatum																																																			1	9	18	33.33
Agropyron trachycaulum																																																				0	0	0.00
Bromus tectorum																																																				0	0	0.00
Elymus salinus																																																				0	0	0.00
Elymus cinereus																																																				0	0	0.00
Elymus gigenteous																																																				0	0	0.00
Hilaria jamesii																																																				0	0	0.00
Oryzopsis hymenoides																																																				0	0	0.00
Stanion hystrix																																																				0	0	0.00
Stipe comata																																																				0	0	0.00
Total Grass Cover	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	1	1	0	0	0	0	1	1	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	18	33.33
Trees																																																					
Juniper																																																					
Pinon																																																				0	0	0.00
																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	0	0	1	0	1	0	1	0	1	0	1	1	0	0	0	1	1	0	1	1	1	1	1	0	0	1	1	0	0	1	0	0	1	0	0	0	0	0	1	0	1	1	1	1	1	1	0	1	1	27	54	100.00
Cryptobiotic																																																				0	0	
Physical Features																																																					
Litter					1														1																																			
Rock													1																																								2	4	
Bare Ground	1	1		1				1		1				1	1										1	1			1	1		1	1		1	1		1	1	1	1	1	1		1						1			1	2	
																																																			20	40	
Physical Features	1	1	0	1	0	1	0	1	0	1	0	0	1	1	1	0	0	1	0	0	0	0	0	1	1	0	0	1	1	0	1	1	0	1	1	1	1	1	0	1	0	0	0	0	0	0	1	0	0	0	23	46	
Comments:	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	

Horse Canyon Cover Sheet

Date:6/18/03 | Area:16 | Transect:9 | UTM:0884270/4368887 | Heading:241

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens																																																			0	0	0.00
Atriplex confertifolia																																																		0	0	0.00
Artemisia nova																																																		0	0	0.00
Artemisia tridentata tridentata																																																		0	0	0.00
Chrysothamnus nauseosus	1																																																	1	2	3.13
Chrysothamnus viscidiflorus																																																		0	0	0.00
Cowania mexicana																																																		0	0	0.00
Cerstoides lanata																																																		0	0	0.00
Ephedra viridis																																																		0	0	0.00
Sarcobatus vermiculatus																																																		0	0	0.00
Gutierrezia sarothrae																																																		0	0	0.00
Total Shrubs Cover	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3.13
Forbs & Succulents																																																					
Machaeranthera canescens																																																			0	0	0.00
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																					
Agropyron smithii																																																			0	0	0.00
Agropyron spicatum		1		1	1	1	1										1				1		1	1		1	1	1			1	1	1		1	1						1	1			1	1	1	1	23	46	71.88
Agropyron cristatum																																																			0	0	0.00
Agropyron trachycaulum																																																		0	0	0.00
Bromus tectorum																																																		0	0	0.00
Elymus salinus																																																		0	0	0.00
Elymus cinereus																																																		0	0	0.00
Elymus giganteous													1	1	1	1			1	1																															8	16	25.00
Hilaria jamesii																																																		0	0	0.00
Oryzopsis hymenoides																																																		0	0	0.00
Stanion hystrix																																																		0	0	0.00
Stipa comata																																																		0	0	0.00
Total Grass Cover	0	1	0	1	1	1	1	1	0	0	0	0	0	1	1	1	1	1	0	1	1	1	0	1	1	0	1	1	1	0	0	1	1	1	0	1	1	0	1	1	0	1	1	0	0	0	1	1	1	1	31	62	96.88
Trees																																																					
Juniper																																																			0	0	0.00
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	0	1	1	1	1	1	0	0	0	0	0	1	1	1	1	1	0	1	1	1	0	1	1	0	1	1	1	0	0	1	1	1	0	1	1	0	0	1	1	0	1	1	0	0	1	1	1	1	32	64	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																				
Litter												1																																								1	2	
Rock																																																			0	0	
Bare Ground			1					1	1	1	1							1				1			1				1					1				1			1	1			1			1	1	1		17	34	
Physical Features	0	0	1	0	0	0	0	1	1	1	1	1	0	0	0	0	0	1	0	0	0	1	0	0	1	0	0	0	1	1	0	0	0	1	0	0	1	1	0	0	1	0	0	1	1	1	0	0	0	0	18	36	
Comments:	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	

Horse Canyon Cover Sheet

Date:6/18/03 | Area:16 | Transect:10 | UTM:0684343/4366838 | Heading:284

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens																															1																				4	8	11.11
Atriplex confertifolia							1																				1										1														3	6	8.33
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata																																																			0	0	0.00
Chrysothamnus nauseosus																	1				1																				1											3	6	8.33
Chrysothamnus viscidiflorus																																																			0	0	0.00
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	1	0	1	0	1	1	0	0	0	0	0	1	0	10	20	27.78
Forbs & Succulents																																																					
Mechaeranthera canescens																																																			0	0	0.00
Medicago sativa			1																													1											1	1					4	8	11.11
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Total Forb Cover	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	4	8	11.11
Grasses																																																					
Agropyron smithii																																																			0	0	0.00
Agropyron spicatum	1				1	1		1	1		1		1	1				1						1	1	1			1			1		1	1	1	1				1					1	1			1	22	44	61.11
Agropyron cristatum																																																			0	0	0.00
Agropyron trachycaulum																																																			0	0	0.00
Bromus tectorum																																																			0	0	0.00
Elymus salinus																																																			0	0	0.00
Elymus cinereus																																																			0	0	0.00
Elymus gigenteous																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Stanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	1	0	0	0	1	1	0	1	1	0	1	0	1	1	0	0	0	1	0	0	0	0	0	1	1	1	0	0	1	0	0	1	0	1	1	1	1	0	0	0	1	0	0	0	0	1	1	0	0	1	22	44	61.11
Trees																																																					
Juniper																																																						
Pinon																																																				0	0	0.00
																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetative Cover	1	0	1	0	1	1	1	1	1	0	1	0	1	1	0	0	1	1	0	0	1	0	0	1	1	1	1	0	1	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0	1	1	38	72	100.00
Cryptobiotic																																																				0	0	
Physical Features																																																					
Litter																																																						
Rock																											1																									1	2	
Bare Ground		1		1						1		1			1	1			1	1		1							1									1													1	2	
																							1																1									1			12	24	
Physical Features	0	1	0	1	0	0	0	0	0	1	0	1	0	0	1	1	0	0	1	1	0	1	1	0	0	0	0	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	14	28	
Comments:	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	

Horse Canyon Cover Sheet

Date:6/18/93 Area:16 Transect:11 UTM:0554240/4398933 Heading:221

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens																																																			0	0	0.00
Atriplex confertifolia																																					1													1	2	3.33
Artemisia nova																																																		0	0	0.00
Artemisia tridentata tridentata																																																		0	0	0.00
Chrysothamnus nauseosus																																						1												1	2	3.33
Chrysothamnus viscidiflorus																																																		0	0	0.00
Cowania mexicana																																																		0	0	0.00
Ceratoides lanata																																																		0	0	0.00
Ephedra viridis																																																		0	0	0.00
Sarcobatus vermiculatus																																																		0	0	0.00
Gutierrezia sarothrae																																																		0	0	0.00
Total Shrubs Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2	4	6.67
Forbs & Succulents																																																				
Machaeranthera canescens																																																		0	0	0.00
Medicago sativa																																																		0	0	0.00
Melilotus officinalis																																																		0	0	0.00
Penstemon palmeri																																																		0	0	0.00
Sphaeralcia coccinea																																																		0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																				
Agropyron smithii																																																			0	0	0.00
Agropyron spicatum	1			1				1	1	1		1							1	1	1			1	1	1	1			1		1	1	1	1	1	1					1	1	1		1		1	1	26	52	86.67
Agropyron cristatum																																																			0	0	0.00
Agropyron trachycaulum																																																		0	0	0.00
Bromus tectorum																												1																								0	0	0.00
Elymus salinus																																																		2	4	6.67
Elymus cinereus																																																		0	0	0.00
Elymus giganteous																																																		0	0	0.00
Hilaria jamesii																																																		0	0	0.00
Oryzopsis hymenoides																																																		0	0	0.00
Sitanion hystrix																																																		0	0	0.00
Stipa comata																																																		0	0	0.00
Total Grass Cover	1	0	0	1	0	0	0	0	1	1	1	0	1	0	0	0	0	0	1	1	1	0	0	1	1	1	1	1	0	1	0	1	1	1	1	1	1	0	0	0	0	0	1	1	1	1	1	0	1	1	28	56	93.33
Trees																																																				
Juniper																																																				
Pinon																																																			0	0	0.00
																																																		0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	0	0	1	0	0	0	0	1	1	1	0	1	0	0	0	0	0	1	1	1	0	0	1	1	1	1	1	0	1	0	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	0	1	1	30	60	100.00
Cryptobiotic																																																		0	0	
Physical Features																																																			
Litter																																																				
Rock																						1																														1	2	
Bare Ground		1	1		1	1	1	1				1		1	1	1	1	1				1							1		1										1	1	1					1			0	0	
																																																		19	38	
Physical Features	0	1	1	0	1	1	1	1	0	0	0	1	0	1	1	1	1	1	0	0	0	1	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	1	0	0			
Comments:	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	20	40	
																																																		50	100	

Horse Canyon Cover Sheet

Date:6/18/03 | Area:16 | Transect:12 | UTM:0654274/4368966 | Heading:261

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens																																																			0	0	
Atriplex confertifolia																	1													1																					2	4	7.41
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata																																																		0	0	0.00
Chrysothamnus nauseosus	1	1																			1			1																											4	8	14.81
Chrysothamnus viscidiflorus																																																		0	0	0.00
Cowania mexicana																																																		0	0	0.00
Ceratoides lanata																																																		0	0	0.00
Ephedra viridis																																																		0	0	0.00
Sarcobatus vermiculatus																																																		0	0	0.00
Gutierrezia sarothrae																																																		0	0	0.00
Total Shrubs Cover	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	12	22.22
Forbs & Succulents																																																				
Machaeranthera canescens																																																			0	0	0.00
Medicago sativa																1																														1					2	4	7.41
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	4	7.41
Grasses																																																					
Agropyron smithii																																																			0	0	0.00
Agropyron spicatum								1										1	1	1					1	1					1	1	1			1	1		1			1				1		1	1	16	32	59.26
Agropyron cristatum																																																			0	0	0.00
Agropyron trachycaulum																																																		0	0	0.00
Bromus tectorum															1							1																													0	0	0.00
Elymus salinus																																																	1			3	6	11.11
Elymus cinereus																																																			0	0	0.00
Elymus giganteous																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Stenion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
																																																			0	0	0.00
Total Grass Cover	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	1	1	1	0	1	0	0	1	1	0	0	0	0	1	1	1	0	0	1	1	0	1	0	0	1	0	0	0	0	1	1	1	1	19	38	70.37
Trees																																																					
Juniper																																																					
Pinon																																																			0	0	0.00
																																																		0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1	1	1	1	1	0	1	1	1	0	0	0	1	1	1	1	0	0	1	1	0	1	0	0	1	0	0	1	0	1	1	1	1	1	27	54	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																				
Litter																																																				
Rock																																																			0	0	
Bare Ground			1	1	1	1	1		1	1	1	1	1	1									1				1	1	1				1	1			1		1	1		1			1				1	2	
																																																			22	44	
Physical Features	0	0	1	1	1	1	1	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1	0	0	0	0	1	1	0	0	1	0	1	1	0	1	1	0	1	0	0	0	0	23	46	
Comments:	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	

Horse Canyon Cover Sheet

Date:6/18/03 | Area:16 | Transect:13 | UTM:0654284/4368844 | Heading:99

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens																																				1															1	2	2.22
Atriplex confertifolia																																																				0	0	0.00
Artemisia nova																																																				0	0	0.00
Artemisia tridentata tridentata																																																				0	0	0.00
Chrysothamnus nauseosus																																																				0	0	0.00
Chrysothamnus viscidiflorus																																																				0	0	0.00
Cowania mexicana																									1																												1	2	2.22
Ceratoides lanata																																																				0	0	0.00
Ephedra viridis																																																				0	0	0.00
Sarcobatus vermiculatus																																																				0	0	0.00
Gutierrezia sarothrae																																																						
Total Shrubs Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	4.44
Forbs & Succulents																																																						
Machaeranthera canescens																																																				0	0	0.00
Medicago sativa																											1	1																										2	4	4.44
Melilotus officinalis																																																				0	0	0.00
Penstemon palmeri																																																				0	0	0.00
Sphaeralcia coccinea																																																				0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	4.44
Grasses																																																						
Agropyron smithii																																																				0	0	0.00
Agropyron spicatum	1	1	1	1	1	1	1	1			1	1	1	1	1	1	1		1	1	1			1					1	1		1	1	1	1	1		1	1	1			1			1	1		34	68	75.56
Agropyron cristatum																																																				0	0	0.00
Agropyron trachycaulum																																																			0	0	0.00
Bromus tectorum																								1																		1		1				1				4	8	8.89
Elymus salinus																																																				0	0	0.00
Elymus cinereus																																																				0	0	0.00
Elymus giganteous								1																																												1	2	2.22
Hilaria jamesii																																																				0	0	0.00
Oryzopsis hymenoides																						1																																1	2	2.22
Sitanion hystrix																		1																																				1	2	2.22
Stipa comata																																																				0	0	0.00
Total Grass Cover	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	0	1	1	1	0	0	0	1	1	0	1	1	1	1	1	0	1	1	1	0	1	1	1	1	1	1	1	1	1	0	41	82	91.11
Trees																																																					
Juniper																																																				0	0	0.00
Pinon																																																				0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0	45	90	100.00
Cryptobiotic																																																				0	0	
Physical Features																																																					
Litter																																																				0	0	
Rock																																																				0	0	
Bare Ground										1												1								1														1							1	5	10	
Physical Features	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	5	10	
Comments:	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	

Horse Canyon Cover Sheet

Date:6/18/03 | Area:16 | Transect:14 | UTM:0664276/4366866 | Heading:286

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens	1	1	1																																																3	6	9.38
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata																																																			0	0	0.00
Chrysothamnus nauseosus											1							1										1							1	1							1								6	12	18.75
Chrysothamnus viscidiflorus																											1																									1	2	3.13
Cowania mexicana																																																			0	0	0.00
Coryloides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	1	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	10	20	31.25
Forbs & Succulents																																																						
Macheranthera canescens																																																				0	0	0.00
Medicago sativa										1																																										1	2	3.13
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3.13
Grasses																																																					
Agropyron smithii																																																					
Agropyron spicatum				1		1	1	1	1			1		1			1			1	1				1	1																										0	0	0.00
Agropyron cristatum																																																				12	24	37.50
Agropyron trachycaulum																																																			0	0	0.00
Bromus tectorum															1							1																														0	0	0.00
Elymus salinus																														1	1						1	1	1				1	1							9	18	28.13
Elymus cinereus																																																				0	0	0.00
Elymus giganteous																																																				0	0	0.00
Hilaria jamesii																																																				0	0	0.00
Oryzopsis hymenoides																																																				0	0	0.00
Sitanion hystrix																																																				0	0	0.00
Stipa comata																																																				0	0	0.00
Total Grass Cover	0	0	0	1	0	1	1	1	1	0	0	1	0	1	1	0	1	0	0	1	1	1	0	0	1	1	0	0	0	1	1	0	0	0	0	0	0	1	1	1	0	0	0	1	1	0	0	0	0	0	21	42	65.63
Trees																																																					
Juniper																																																						
Pinon																																																				0	0	0.00
																																																				0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	0	1	1	1	1	1	1	1	0	1	1	0	1	1	0	1	1	1	0	0	1	1	0	1	1	1	1	0	0	0	1	1	0	1	1	1	0	1	0	1	1	0	0	0	0	0	32	64	100.00
Cryptobiotic																																																				0	0	
Physical Features																																																					
Litter																																																					
Rock																																																				0	0	
Bare Ground				1									1			1			1				1	1			1				1	1	1			1					1		1			1	1	1	1	1	0	0	
Physical Features	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	1	0	0	1	0	0	0	1	1	0	0	1	0	0	0	0	1	1	1	0	0	1	0	0	0	1	0	1	0	0	1	1	1	1	1	18	36	
Comments:	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	

Horse Canyon Cover Sheet

Date: 6/18/03 | Area: 16 | Transect: 15 | UTM: 0664282/4366968 | Heading: 82

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens									1																					1																				3	6	8.11
Atriplex confertifolia																																														1						1	2	2.70
Atriplex cuneata																																																				0	0	0.00
Artemisia nova																																																				0	0	0.00
Artemisia tridentata tridentata					1																		1	1								1	1					1															6	12	16.22
Chrysothamnus nauseosus																																																				0	0	0.00
Chrysothamnus viscidiflorus																																																				0	0	0.00
Cowania mexicana																																																				0	0	0.00
Ceratoides lanata																																																				0	0	0.00
Ephedra viridis																																																				0	0	0.00
Sarcobatus vermiculatus																																																				0	0	0.00
Gutierrezia sarothrae																																																				0	0	0.00
Total Shrubs Cover	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	0	1	1	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	1	0	10	20	27.03
Forbs & Succulents																																																						
Mecheranthera canescens																																																				0	0	0.00
Medicago sativa														1						1		1																	1		1							1				7	14	18.92
Melilotus officinalis																																																				0	0	0.00
Penstemon palmeri																																																				0	0	0.00
Sphaeralcia coccinea																																																				0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1	0	0	0	1	0	0	7	14	18.92
Grasses																																																						
Agropyron Smithii																																																				0	0	0.00
Agropyron spicatum	1		1	1								1				1	1		1						1		1	1			1				1	1					1	1								15	30	40.54
Agropyron cristatum																																																				0	0	0.00
Agropyron trachycaulum																																																			0	0	0.00
Bromus tectorum						1	1			1																																		1				1					5	10	13.51
Elymus salinus																																																				0	0	0.00
Elymus cinereus																																																				0	0	0.00
Elymus giganteous																																																				0	0	0.00
Hilaria jamesii																																																				0	0	0.00
Oryzopsis hymenoides																																																				0	0	0.00
Sitanion hystrix																																																				0	0	0.00
Stipa comata																																																				0	0	0.00
Total Grass Cover	1	0	1	1	0	1	1	0	0	1	0	1	0	0	0	1	1	0	1	0	0	0	0	0	1	0	1	1	0	0	1	0	0	0	0	1	1	0	0	0	1	1	1	0	1	0	0	0	0	0	28	40	54.05
Trees																																																					
Juniper																																																				0	0	0.00
Pinon																																																				0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	0	1	1	1	1	1	0	1	1	0	1	0	1	0	1	1	0	1	1	0	1	1	1	1	0	1	1	0	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	0	1	1	0	37	74	100.00
Cryptobiotic																																																				0	0	
Physical Features																																																					
Litter																																																				0	0	
Rock																		1																																			1	2	
Bare Ground		1						1			1		1		1						1						1				1				1	1															1		1	12	24	
Physical Features	0	1	0	0	0	0	0	1	0	0	1	0	1	0	1	0	0	1	0	0	1	0	0	0	0	1	0	0	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1		13	26	
Comments:	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	

Other species: Melotus o, snake weed

Evidence of livestock in area, plant growth good compared to reference area, appears to have more precipatation, deer droppings and tracks in area

Appendix 2

Woody Plant Density Data

Horse Canyon Woody Plant Density Comparisons

Site	Average Plants per Acre	St. Deviation
Reference Area	659.21	332.10
Area 3	1957.30	634.98
Area 6	3891.36	705.21
Area 7	5180.74	2540.36
Area 11/13/14	1771.44	636.52
Area 15/17	2626.22	752.95
Area 16	2883.67	964.13

Horse Canyon Revegetation Shrub Density Sheet

Date:	6/30/2003																	
Area:	Reference																	
Transect:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total	Plants/acre	
UTM:	563488	563553	563569	563590	563629	563639	563630	563624	563646	563589	563554	563550	563507	563535	563549			
	4368125	4368131	4368114	4368086	4368098	4368115	4368110	4368174	4368242	4368222	4368198	4368152	4368104	4368068	4368091			
Heading:	42	340	147	156	289	302	136	32	29	199	36	122	73	182	203			
Shrubs																		
Atriplex canescens	1.00								1.00							2.00	5.81	
Atriplex confertifolia																0.00	0.00	
Artemisia tridentata tridentata																0.00	0.00	
Chrysothamnus nauseosus																0.00	0.00	
Chrysothamnus viscidiflorus														3.00		3.00	8.71	
Cowania mexicana																0.00	0.00	
Ceratoides lanata									1.00							1.00	2.90	
Ephedra viridis				1.00		1.00									1.00	3.00	8.71	
Sarcobatus vermiculatus																0.00	0.00	
Gutierrezia sarothrae		12.00		20.00	16.00	17.00	3.00	8.00	10.00	7.00	2.00	1.00	13.00	5.00	11.00	126.00	363.00	
Total Shrubs	1.00	12.00	0.00	21.00	16.00	18.00	3.00	8.00	12.00	7.00	2.00	1.00	13.00	8.00	12.00	134.00	389.14	
																	0.00	
Trees																	0.00	
Juniper	10.00	1.00	7.00	3.00	8.00	6.00	8.00	1.00		2.00	11.00	1.00	3.00	13.00	11.00	85.00	246.84	
Pinyon				2.00	2.00	2.00	1.00						1.00			8.00	23.23	
Total Trees	10.00	1.00	7.00	5.00	10.00	8.00	9.00	1.00	0.00	2.00	11.00	1.00	4.00	13.00	11.00	93.00	270.07	
Total Woody Plants	11.00	13.00	7.00	26.00	26.00	26.00	12.00	9.00	12.00	9.00	13.00	2.00	17.00	21.00	23.00	227.00	659.21	
Plants/acre	479.16	566.28	304.92	1132.56	1132.56	1132.56	522.72	392.04	522.72	392.04	566.28	87.12	740.52	914.76	1001.88			
Average Plants/acre	659.21																	
Standard Deviation	332.10																	
90% Confidence Interval	141.04																	
Comments:																		

Horse Canyon Revegetation Shrub Density Sheet

Date:	7/3/2003																	
Area:	3																	
Transect:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total	Plants/acre	
UTM:	555182	555211	555178	555187	555209	555203	555186	555208	555275	555250	555466	555496	555528	555519	555532			
	4367756	4367768	4367724	4367766	4367763	4367807	4367796	4367812	4367773	4367829	4368019	4368021	4368071	4368032	4368058			
Heading:	111	2	186	161	212	288	96	29	296	272	102	84	228	296	269			
Shrubs																		
Atriplex canescens	31.00	7.00	16.00	10.00	5.00	10.00	21.00	24.00	11.00	9.00	13.00	21.00	16.00	20.00	16.00	226.00	862.11	
Atriplex confertifolia																	0.00	
Atriplex corrugata																	0.00	
Atriplex cuneata																	0.00	
Artemisia nova																	0.00	
Artemisia tridentata tridentata	40.00	7.00	9.00	4.00	8.00	7.00	32.00	36.00	2.00	14.00	17.00	16.00	6.00	11.00	20.00	233.00	676.63	
Chrysothamnus nauseosus	2.00	2.00	6.00				1.00	2.00		2.00	3.00	10.00	2.00	2.00	6.00	37.00	107.46	
Chrysothamnus viscidiflorus	6.00	16.00	14.00	16.00	16.00	31.00	2.00	4.00	23.00	19.00	10.00		3.00		6.00	166.00	482.06	
Cowania mexicana									1.00				2.00		3.00	6.00	17.42	
Ceratoides lanata																	0.00	
Ephedra viridis																	0.00	
Sarcobatus vermiculatus				1.00										1.00		2.00	5.81	
Gutierrezia sarothrae								1.00		1.00						2.00	5.81	
																	0.00	
Total Shrubs	79.00	32.00	43.00	31.00	29.00	48.00	56.00	66.00	37.00	45.00	43.00	48.00	28.00	34.00	57.00	674.00	1957.30	
																	0.00	
Trees																	0.00	
Juniper																0.00	0.00	
Pinyon																0.00	0.00	
																	0.00	
Total Trees																	0.00	
Total Woody Plants	79.00	32.00	43.00	31.00	29.00	48.00	56.00	66.00	37.00	45.00	43.00	48.00	28.00	34.00	57.00	674.00	1957.30	
Plants/acre	3441.24	1393.92	1873.08	1350.36	1263.24	2090.88	2439.36	2874.96	1611.72	1960.20	1873.08	2089.76	1219.68	1481.04	2482.92			
Average Plants	1957.30																	
Standard Deviation	634.98																	
90% Confidence Interval	299.66																	
Comments:																		
Treatment Areas Average	2799.84																	
Standard Deviation	1462.72																	
90% Confidence Interval	828.71																	

Horse Canyon Revegetation Shrub Density Sheet

Date:	7/4/2003																
Area:	6																
Transect:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total	Plants/acre
UTM:	555621	555577	555552	555560	555549	555373	555529	555508	555458	555508	555487	555498	555482	555447	555403		
	4368211	4368186	4368167	4368170	4368190	4368143	4368149	4368153	4368137	4368138	4368132	4368174	4368159	4368149	4368142		
Heading:	244	104	208	300	86	100	221	270	88	360	258	195	246	277	87		
Shrubs																	
Atriplex canescens		36.00	21.00	28.00	33.00	26.00	37.00	19.00	15.00	25.00	31.00	29.00	56.00	26.00	40.00	423.00	1228.39
Atriplex confertifolia																	0.00
Atriplex corrugata																	0.00
Atriplex cuneata																	0.00
Artemisia nova		3.00	6.00	7.00			2.00	2.00	5.00	2.00		1.00		1.00		29.00	84.22
Artemisia tridentata tridentata	16.00	46.00	31.00	37.00	21.00	53.00	32.00	80.00	55.00	88.00	28.00	38.00	5.00	46.00	37.00	570.00	1655.28
Chrysothamnus nauseosus	6.00	2.00	2.00	4.00		1.00	2.00	4.00	12.00	1.00	3.00			3.00	1.00	41.00	119.08
Chrysothamnus viscidiflorus	55.00			2.00	4.00			22.00	16.00	9.00	30.00	40.00	1.00	2.00	4.00	185.00	537.24
Cowania mexicana																	0.00
Ceratoides lanata			43.00	1.00	4.00		4.00	2.00	1.00	3.00		3.00	3.00			64.00	185.88
Ephedra viridis																	0.00
Sarcobatus vermiculatus										2.00						2.00	5.81
Gutierrezia sarothrae	18.00				1.00				3.00		2.00	2.00				26.00	75.50
																	0.00
Total Shrubs	95.00	85.00	103.00	89.00	63.00	80.00	77.00	109.00	107.00	108.00	94.00	113.00	64.00	80.00	82.00	1348.00	3881.36
																	0.00
Trees																	0.00
Juniper																0.00	0.00
Pinyon																0.00	0.00
																	0.00
Total Trees																0.00	0.00
Total Vegetation	95.00	85.00	103.00	89.00	63.00	80.00	77.00	109.00	107.00	108.00	94.00	113.00	64.00	80.00	82.00	1348.00	3881.36
Plants/acre	4139.20	3702.60	4486.96	3884.80	2744.28	3484.80	3354.12	4748.04	4660.92	4704.48	4094.64	4922.28	2787.84	3484.80	3571.92		
Average Plants/acre	3881.36																
Standard Deviation	765.21																
90% Confidence Interval	289.99																
Comments:																	

Horse Canyon Revegetation Shrub Density Sheet

Date:	7/4/2003																
Area:	7																
Transect:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total	Plants/acre
UTM:	555363	555398	555376	555370	555408	555469	555432	555404	555432	555370	555421	555420	555424	555441	555408		
	4368069	4368060	4368067	4368103	4368072	4368024	4368081	4368082	4368078	4368109	4368075	4368104	4368112	4368086	4368108		
Heading:	297	342	229	109	231	262	147	240	269	229	53	94	233	270	109		
Shrubs																	
Atriplex canescens	1.00	11.00	9.00	25.00	11.00	15.00	32.00	24.00	39.00	18.00	32.00	18.00	10.00	12.00	28.00	281.00	816.02
Atriplex confertifolia																0.00	0.00
Atriplex corrugata																0.00	0.00
Atriplex cuneata																0.00	0.00
Artemisia nova	8.00	8.00	12.00		3.00	1.00		3.00	1.00	17.00	7.00	7.00	11.00			76.00	228.51
Artemisia tridentata tridentata	202.00	113.00	228.00	72.00	105.00	69.00	35.00	38.00	60.00	72.00	50.00	98.00	97.00	7.00	49.00	1290.00	3748.16
Chrysothamnus nauseosus	7.00	1.00	4.00		1.00	1.00						1.00		1.00		16.00	46.46
Chrysothamnus viscidiflorus	8.00	2.00	6.00	1.00	4.00	13.00	1.00			4.00		6.00	9.00	19.00	2.00	75.00	217.80
Cowania mexicana							1.00			1.00		1.00				3.00	8.71
Ceratoides lanata									2.00						2.00	4.00	11.62
Ephedra viridis																0.00	0.00
Sarcobatus vermiculatus																0.00	0.00
Gutierrezia sarothrae	2.00	18.00	2.00	6.00				4.00					1.00	4.00		37.00	107.45
																	0.00
Total Shrubs	228.00	153.00	291.00	104.00	124.00	96.00	89.00	89.00	102.00	110.00	89.00	127.00	128.00	43.00	81.00	1784.00	5180.74
																	0.00
Trees																	0.00
Juniper																	0.00
Pinyon																	0.00
																	0.00
Total Trees																0.00	0.00
Total Vegetation	228.00	153.00	291.00	104.00	124.00	96.00	89.00	89.00	102.00	110.00	89.00	127.00	128.00	43.00	81.00	1784.00	5180.74
Plants/acre	9931.68	6664.68	11369.16	4530.24	5401.44	4181.76	3005.84	3005.84	4443.12	4791.60	3878.84	5532.12	5575.68	1873.08	3528.36		
Average Plants/acre	5180.74																
Standard Deviation	2540.36																
90% Confidence Interval	1078.88																
Comments:																	

Horse Canyon Revegetation Shrub Density Sheet

Date:	7/4/2003																	
Area:	11, 13 & 14																	
Transect:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total	Plants/acre	
UTM:	554662	555623	554655	554562	554559	554756	554749	554767	554811	554821	554843	554870	554884	554930	554973			
	4367270	4367308	4367356	4367286	4367088	4367269	4367342	4367347	4367347	4367392	4367439	4367451	4367481	4367516	4367576			
Heading:	250	269	163	215	32	27	101	45	341	65	139	8	319	22	189			
Shrubs																		
Atriplex canescens	26.00	4.00	18.00	26.00	26.00	22.00	22.00	33.00	28.00	30.00	33.00	18.00	25.00	36.00	21.00	376.00	1097.71	
Atriplex confertifolia																	0.00	
Atriplex corrugata				2.00		1.00	18.00	2.00	2.00							23.00	68.79	
Atriplex cuneata																	0.00	
Artemisia nova																	0.00	
Artemisia tridentata tridentata	23.00	1.00	1.00	1.00	17.00	13.00		8.00	18.00	9.00	28.00	1.00	1.00	12.00	14.00	144.00	418.18	
Chrysothamnus nauseosus	1.00					1.00			1.00		3.00	10.00	4.00	1.00	2.00	23.00	68.79	
Chrysothamnus viscidiflorus											3.00	4.00	4.00		8.00	19.00	55.18	
Cowania mexicana									1.00							1.00	2.90	
Ceratoides lanata			1.00	1.00					1.00	5.00		1.00		4.00		13.00	37.75	
Ephedra viridis																	0.00	
Sarcobatus vermiculatus		1.00	2.00													3.00	8.71	
Gutierrezia sarothrae							1.00		4.00				1.00			6.00	17.42	
																	0.00	
Total Shrubs Cover	52.00	9.00	22.00	32.00	45.00	37.00	39.00	41.00	57.00	44.00	65.00	34.00	35.00	53.00	45.00	615.00	1771.44	
																	0.00	
Trees																	0.00	
Juniper																	0.00	
Pinyon																0.00	0.00	
																0.00	0.00	
Total Tree Cover																	0.00	
Total Vegetation Cover	52.00	9.00	22.00	32.00	45.00	37.00	39.00	41.00	57.00	44.00	65.00	34.00	35.00	53.00	45.00	615.00	1771.44	
Plants/acre	2266.12	261.36	958.32	1393.92	1960.20	1611.72	1698.84	1785.96	2482.92	1916.64	2831.40	1481.04	1524.60	2439.36	1960.20			
Average Plants/acre	1771.44																	
Standard Deviation	634.52																	
90% Confidence Interval	276.33																	
Comments:																		

Horse Canyon Revegetation Shrub Density Sheet

Date:	7/3/2003																
Area:	15 & 17																
Transect:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total	Plants /acre
UTM:	553997	553999	553996	553942	553939	553737	553756	553729	553808	553781	553853	553823	553832	553788	553824		
	4367112	4367111	4367119	4367129	4367136	4367034	4367034	4367005	4366995	4366996	4366983	4367016	4366986	4367025	4367004		
Heading:	7	69	282	137	161	3	304	286	275	200	308	82	27	360	174		
Shrubs																	
Atriplex canescens	18.00	16.00	17.00	11.00	20.00	17.00	33.00	13.00	32.00	24.00	36.00	34.00	46.00	10.00	21.00	349.00	1013.50
Atriplex confertifolia	1.00				1.00	4.00	4.00			1.00						11.00	31.94
Atriplex corrugata				1.00	1.00	1.00		1.00	1.00	3.00	6.00				1.00	15.00	43.56
Atriplex cuneata																0.00	0.00
Artemisia nova							1.00			3.00						4.00	11.62
Artemisia tridentata tridentata	27.00	33.00	49.00	24.00	20.00	16.00	43.00	32.00	27.00	34.00	6.00	14.00	45.00	24.00	16.00	411.00	1193.54
Chrysothamnus nauseosus	5.00	2.00	2.00	3.00	3.00			4.00	1.00			1.00		1.00		22.00	63.89
Chrysothamnus viscidiflorus	1.00		1.00		2.00											4.00	11.62
Cowania mexicana																0.00	0.00
Ceratoides lanata		1.00		4.00		1.00	11.00		3.00	1.00		4.00	3.00		3.00	31.00	90.02
Ephedra viridis																0.00	0.00
Sarcobatus vermiculatus	1.00		4.00		1.00	16.00	2.00		8.00	5.00	1.00			10.00	4.00	50.00	145.20
Gutierrezia sarothrae	3.00				1.00	1.00	2.00									7.00	20.33
																	0.00
Total Shrubs	56.00	52.00	73.00	43.00	49.00	55.00	96.00	50.00	76.00	71.00	48.00	53.00	96.00	45.00	47.00	904.00	2625.22
																	0.00
Trees																	0.00
Juniper																0.00	0.00
Pinyon																0.00	0.00
																	0.00
Total Trees																0.00	0.00
Total Vegetation	56.00	52.00	73.00	43.00	49.00	55.00	96.00	50.00	76.00	71.00	48.00	53.00	96.00	45.00	47.00	904.00	2625.22
Plants/acre	2438.36	2265.12	3179.88	1873.08	2134.44	2395.80	4181.76	2178.00	3049.20	3092.76	2090.88	2308.68	4181.76	1960.20	2047.32		
Average Plants/acre	2625.22																
Standard Deviation	752.95																
90% Confidence Interval	319.78																
Comments:																	

Horse Canyon Revegetation Shrub Density Sheet

Date:	7/2/2003																
Area:	16																
Transect:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total	Plants/acre
UTM:	554278	554234	554311	554248	554277	554228	554222	554225	554224	554210	554246	554216	554390	554192	554260		
	4366874	4366852	4366883	4366900	4366899	4366864	4366839	4366908	4367018	4366863	4366880	4366857	4366881	4367004	4366856		
Heading:	349	91	341	98	157	138	77	186	219	282	266	361	107	283	146		
Shrubs																	
Atriplex canescens	10.00	36.00	6.00	24.00	26.00	24.00	42.00	26.00	32.00	18.00	2.00	33.00	12.00	18.00	22.00	330.00	668.32
Atriplex confertifolia	9.00		6.00	7.00	2.00	1.00				3.00	7.00	4.00	6.00	1.00		46.00	133.56
Atriplex corrugata			3.00							10.00			1.00			14.00	40.66
Atriplex cuneata																	0.00
Artemisia nova																	0.00
Artemisia tridentata tridentata	2.00	16.00	11.00	1.00	62.00	69.00	47.00	66.00	46.00	9.00	19.00	11.00	6.00	86.00	86.00	484.00	1405.84
Chrysothamnus nauseosus	10.00		6.00	4.00					1.00	21.00	26.00	11.00	17.00	1.00	1.00	99.00	287.60
Chrysothamnus viscidiflorus	2.00		1.00	1.00							1.00		1.00			6.00	17.42
Cowania mexicana													1.00			1.00	2.90
Cerstoides lanata					1.00					9.00				1.00		11.00	31.94
Ephedra viridis																	0.00
Sarcobatus vermiculatus																	0.00
Gutierrezia sarothrae	1.00												1.00			2.00	5.81
																	0.00
Total Shrubs	34.00	54.00	34.00	37.00	91.00	94.00	89.00	94.00	82.00	69.00	54.00	59.00	47.00	77.00	79.00	993.00	2883.67
																	0.00
Trees																	0.00
Juniper																0.00	0.00
Pinyon																0.00	0.00
																	0.00
Total Trees																0.00	0.00
Total Vegetation	34.00	54.00	34.00	37.00	91.00	94.00	89.00	94.00	82.00	69.00	54.00	59.00	47.00	77.00	79.00	993.00	2883.67
Plants/acre	1481.04	2352.24	1481.04	1611.72	3963.96	4094.64	3876.84	4094.64	3571.92	2962.08	2352.24	2570.04	2047.32	3354.12	3441.24		
Average Plants/acre	2883.67																
Standard Deviation	994.13																
90% Confidence Interval	498.47																
Comments:																	

Appendix 3

Diversity and Similarity Data

Horse Canyon Similarity Comparisons - Reference Area & Area 3

Reference Area		
Species	Frequency (per 30 transects)	% Cover (per 1500 points)
Juniper	26	17.0
Salina wild rye	24	7.0
Pinyon	13	4.0
Cheat grass	5	2.0
Globe mallow	3	1.0
Snake weed	9	1.0
Galleta	8	1.0
Six weeks fescue	4	0.3
Ephedra	3	0.2
Purple	2	0.1
Cliffrose	1	0.1
Hedgehog cactus	1	0.1

Similarity Comparison

Reference Area: 12 species (A)

Area 3: 16 species (B)

Common species: 3 (C)

Jaccard's Community Coefficient:

S = C /(A + B - C)

S = 3 /(12 + 16 - 3)

S = 12.0

12 Total species; 2 species >5% cover

Area 3		
Species	Frequency (per 15 transects)	% Cover (per 750 points)
Juniper	0	0.0
Salina wild rye	2	0.3
Pinyon	0	0.0
Cheat grass	8	4.1
Globe mallow	0	0.0
Snake weed	0	0.0
Galleta	0	0.0
Six weeks fescue	1	0.1
Ephedra	0	0.0
Purple	0	0.0
Cliffrose	0	0.0
Hedgehog cactus	0	0.0
Bluebunch wheatgrass	14	29.2
Fourwing	15	13.3
Sagebrush	15	13.3
Basin wild rye	13	7.1
Douglas rabbitbrush	10	5.1
Alfalfa	9	3.5
Yellow sweet clover	6	1.6
Crested wheatgrass	3	1.5
Squirreltail	5	1.1
Indian rice grass	6	0.9
Palmer penstemon	4	0.8
Japanese brome	1	0.3
Big rabbitbrush	6	1.2

16 total species; 5 species >5%

Horse Canyon Similarity Comparisons - Reference Area & Area 6

Reference Area		
Species	Frequency (per 30 transects)	% Cover (per 1500 points)
Juniper	26	17.0
Salina wild rye	24	7.0
Pinyon	13	4.0
Cheat grass	5	2.0
Globe mallow	3	1.0
Snake weed	9	1.0
Galleta	8	1.0
Six weeks fescue	4	0.3
Ephedra	3	0.2
Purple	2	0.1
Cliffrose	1	0.1
Hedgehog cactus	1	0.1

Similarity Comparison

Reference Area: 12 species (A)

Area 6: 21 species (B)

Common species: 2 (C)

Jaccard's Community Coefficient:

S = C /(A + B - C)

S = 2 /(12 + 21 -2)

S = 6.50

Area 6		
Species	Frequency (per 15 transects)	% Cover (per 750 points)
Juniper	0	0.0
Salina wild rye	1	0.3
Pinyon	0	0.0
Cheat grass	15	27.1
Globe mallow	0	0.0
Snake weed	0	0.0
Galleta	0	0.0
Six weeks fescue	0	0.0
Ephedra	0	0.0
Purple	0	0.0
Cliffrose	0	0.0
Hedgehog cactus	0	0.0
Bluebunch wheatgrass	15	22.9
Fourwing	14	12.4
Sagebrush	13	9.9
Douglas rabbitbrush	9	5.5
Winterfat	8	1.6
Basin wild rye	3	0.8
Alfalfa	1	0.1
Yellow sweet clover	1	0.1
Crested wheatgrass	1	0.1
Squirreltail	1	0.3
Indian rice grass	2	0.7
Palmer penstemon	1	0.4
Japanese brome	1	0.1
Smooth brome	1	0.1
Big rabbitbrush	3	0.5
Western wheat grass	1	0.1
Tumble mustard	1	0.3
Black sagebrush	3	1.9

	Giant wild rye	1	0.3
12 Total species; 2 species >5% cover	21 Total species; 5 species >5% cover		

Horse Canyon Similarity Comparisons - Reference Area & Area 7

Reference Area		
Species	**Frequency (per 30 transects)**	**% Cover (per 1500 points)**
Juniper	26	17.0
Salina wild rye	24	7.0
Pinyon	13	4.0
Cheat grass	5	2.0
Globe mallow	3	1.0
Snake weed	9	1.0
Galleta	8	1.0
Six weeks fescue	4	0.3
Ephedra	3	0.2
Purple	2	0.1
Cliffrose	1	0.1
Hedgehog cactus	1	0.1

Similarity Comparison

Reference Area: 12 species (A)

Area 7: 17 species (B)

Common species: 5 (C)

Jaccard's Community Coefficient:

S = C /(A + B - C)

S = 5 /(12 + 17 - 5)

S = 20.80

12 Total species; 2 species >5% cover

Area 7		
Species	**Frequency (per 15 transects)**	**% Cover (per 750 points)**
Juniper	0	0.0
Salina wild rye	1	0.7
Pinyon	0	0.0
Cheat grass	15	22.0
Globe mallow	2	0.3
Snake weed	1	0.1
Galleta	0	0.0
Six weeks fescue	0	0.0
Ephedra	0	0.0
Purple	0	0.0
Cliffrose	2	0.3
Hedgehog cactus	0	0.0
Bluebunch wheatgrass	15	2.0
Fourwing	15	18.9
Sagebrush	15	24.9
Douglas rabbitbrush	12	4.4
Alfalfa	3	0.5
Needle and Thread	4	0.9
Indian rice grass	2	0.3
Palmer penstemon	1	0.1
Big rabbitbrush	1	0.1
Western wheat grass	1	0.1
Tumble mustard	4	0.5
Black sagebrush	4	1.1

17 Total species; 3 species >5% cover

Horse Canyon Similarity Comparisons - Reference Area & Area 11/13/14

Reference Area		
Species	Frequency (per 30 transects)	% Cover (per 1500 points)
Juniper	26	17.0
Salina wild rye	24	7.0
Pinyon	13	4.0
Cheat grass	5	2.0
Globe mallow	3	1.0
Snake weed	9	1.0
Galleta	8	1.0
Six weeks fescue	4	0.3
Ephedra	3	0.2
Purple	2	0.1
Cliffrose	1	0.1
Hedgehog cactus	1	0.1

Similarity Comparison

Reference Area: 12 species (A)

Area 11/13/14: 23 species (B)

Common species: 3 (C)

Jaccard's Community Coefficient:

S = C /(A + B - C)

S = 3 /(12 + 23 - 3)

S = 9.4

Area 11/13/14		
Species	Frequency (per 15 transects)	% Cover (per 750 points)
Juniper	0	0.0
Salina wild rye	2	0.4
Pinyon	0	0.0
Cheat grass	13	15.7
Globe mallow	0	0.0
Snake weed	0	0.0
Galleta	0	0.0
Six weeks fescue	0	0.0
Ephedra	0	0.0
Purple	1	0.1
Cliffrose	0	0.0
Hedgehog cactus	0	0.0
Bluebunch wheatgrass	15	20.8
Fourwing	13	14.1
Sagebrush	12	5.7
Douglas rabbitbrush	5	1.6
Winterfat	5	0.7
Alfalfa	4	0.8
Needle and Thread	1	0.4
Indian rice grass	6	1.3
Shadscale	3	1.7
Big rabbitbrush	6	2.4
Greasewood	2	1.6
Crested wheatgrass	2	0.7
Basin wild rye	3	0.7
Western wheatgrass	3	0.5
Giant rye grass	3	0.5
Squirrel tail	2	0.5
Six weeks fescue	2	0.3

	Smooth brome	1	0.1
	Japanese brome	1	0.1
	Yellow sweet clover	1	0.1
12 Total species; 2 species >5% cover	23 Total species; 4 species >5% cover		

Horse Canyon Similarity Comparisons - Reference Area & Area 15/17

Reference Area		
Species	**Frequency (per 30 transects)**	**% Cover (per 1500 points)**
Juniper	26	17.0
Salina wild rye	24	7.0
Pinyon	13	4.0
Cheat grass	5	2.0
Globe mallow	3	1.0
Snake weed	9	1.0
Galleta	8	1.0
Six weeks fescue	4	0.3
Ephedra	3	0.2
Purple	2	0.1
Cliffrose	1	0.1
Hedgehog cactus	1	0.1

Similarity Comparison

Reference Area: 12 species (A)

Area 15/17: 20 species (B)

Common species: 4 (C)

Jaccard's Community Coefficient:

S = C /(A + B - C)

S = 4 /(12 + 20 - 4)

S = 14.30

12 Total species; 2 species >5% cover

Area 15/17		
Species	**Frequency (per 15 transects)**	**% Cover (per 750 points)**
Juniper	0	0.0
Salina wild rye	1	0.5
Pinyon	0	0.0
Cheat grass	13	19.1
Globe mallow	1	0.1
Snake weed	1	0.1
Galleta	0	0.0
Six weeks fescue	0	0.0
Ephedra	0	0.0
Purple	0	0.0
Cliffrose	0	0.0
Hedgehog cactus	0	0.0
Bluebunch wheatgrass	15	18.9
Fourwing	15	14.1
Sagebrush	15	15.1
Douglas rabbitbrush	1	0.1
Winterfat	2	0.4
Alfalfa	4	0.7
Needle and Thread	2	0.9
Indian rice grass	3	0.8
Shadscale	3	0.4
Big rabbitbrush	5	1.1
Greasewood	7	2.1
Basin wild rye	4	0.7
Western wheatgrass	2	0.3
Yellow sweet clover	3	0.4
Smooth brome	1	0.1
Japanese brome	2	0.3

20 Total species; 4 species >5% cover

Horse Canyon Similarity Comparisons - Reference Area & Area 16

Reference Area		
Species	Frequency (per 30 transects)	% Cover (per 1500 points)
Juniper	26	17.0
Salina wild rye	24	7.0
Pinyon	13	4.0
Cheat grass	5	2.0
Globe mallow	3	1.0
Snake weed	9	1.0
Galleta	8	1.0
Six weeks fescue	4	0.3
Ephedra	3	0.2
Purple	2	0.1
Cliffrose	1	0.1
Hedgehog cactus	1	0.1

Similarity Comparison

Reference Area: 12 species (A)

Area 16: 14 species (B)

Common species: 1 (C)

Jaccard's Community Coefficient:

S = C /(A + B - C)

S = 1 /(12 + 14 - 1)

S = 4.00

12 Total species; 2 species >5% cover

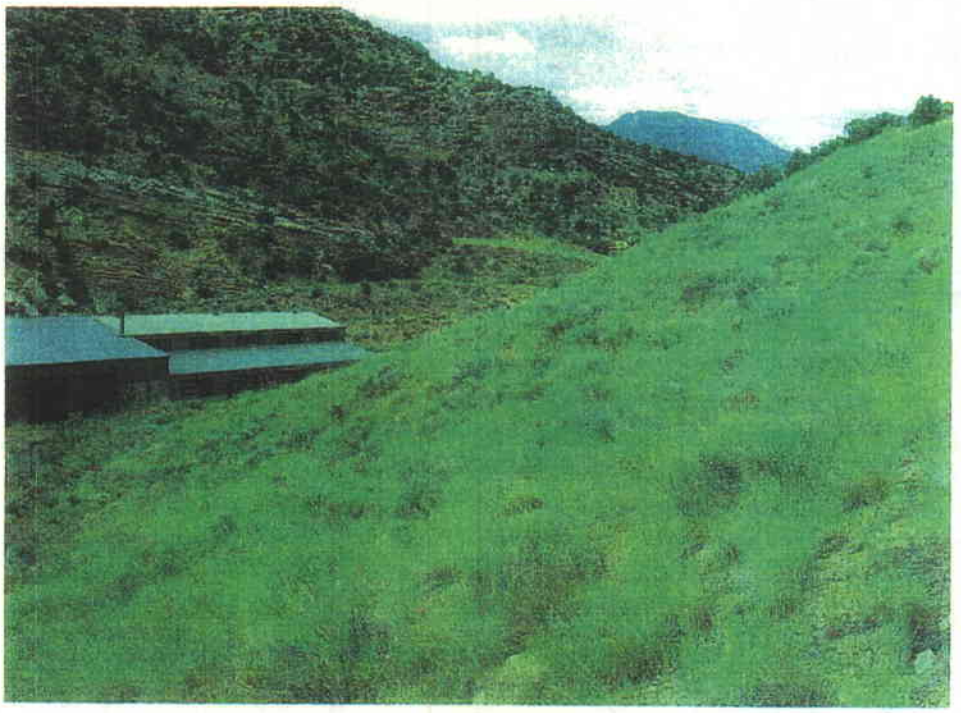
Area 16		
Species	Frequency (per 15 transects)	% Cover (per 750 points)
Juniper	0	0.0
Salina wild rye	0	0.0
Pinyon	0	0.0
Cheat grass	9	6.5
Globe mallow	0	0.0
Snake weed	0	0.0
Galleta	0	0.0
Six weeks fescue	0	0.0
Ephedra	0	0.0
Purple	0	0.0
Cliffrose	0	0.0
Hedgehog cactus	0	0.0
Bluebunch wheatgrass	13	28.5
Fourwing	9	5.6
Sagebrush	8	4.7
Douglas rabbitbrush	1	0.1
Winterfat	1	0.1
Alfalfa	10	6.7
Palmer penstemon	1	0.4
Indian rice grass	1	0.1
Shadscale	5	1.1
Big rabbitbrush	7	1.6
Crested wheatgrass	1	0.1
Giant rye grass	2	1.2
Squirrel tail	1	0.1

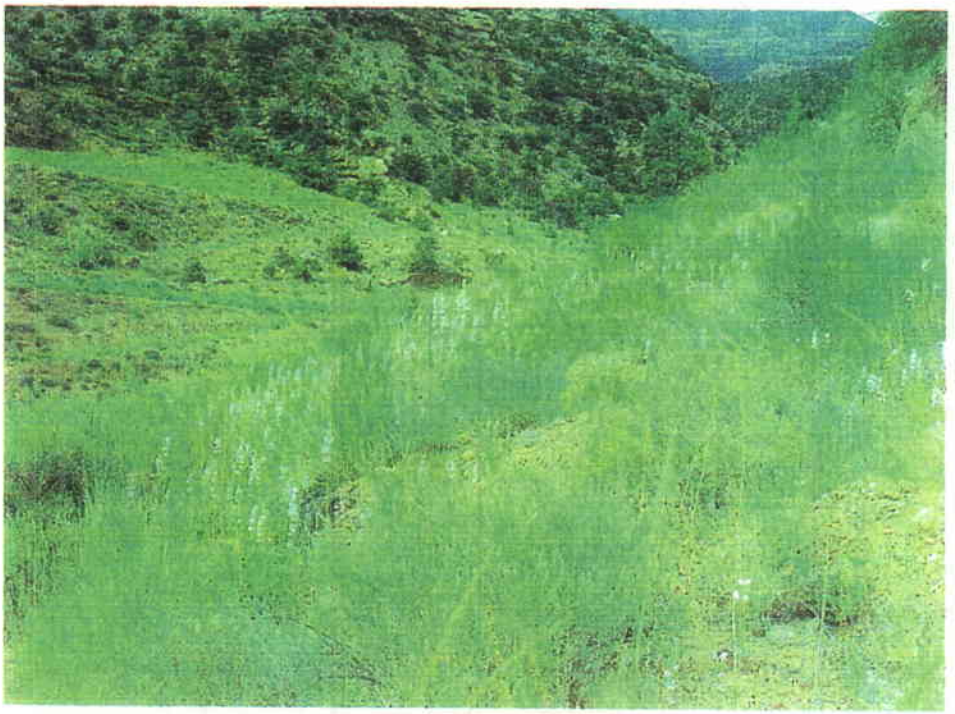
14 Total species; 4 species >5% cover

Appendix 4

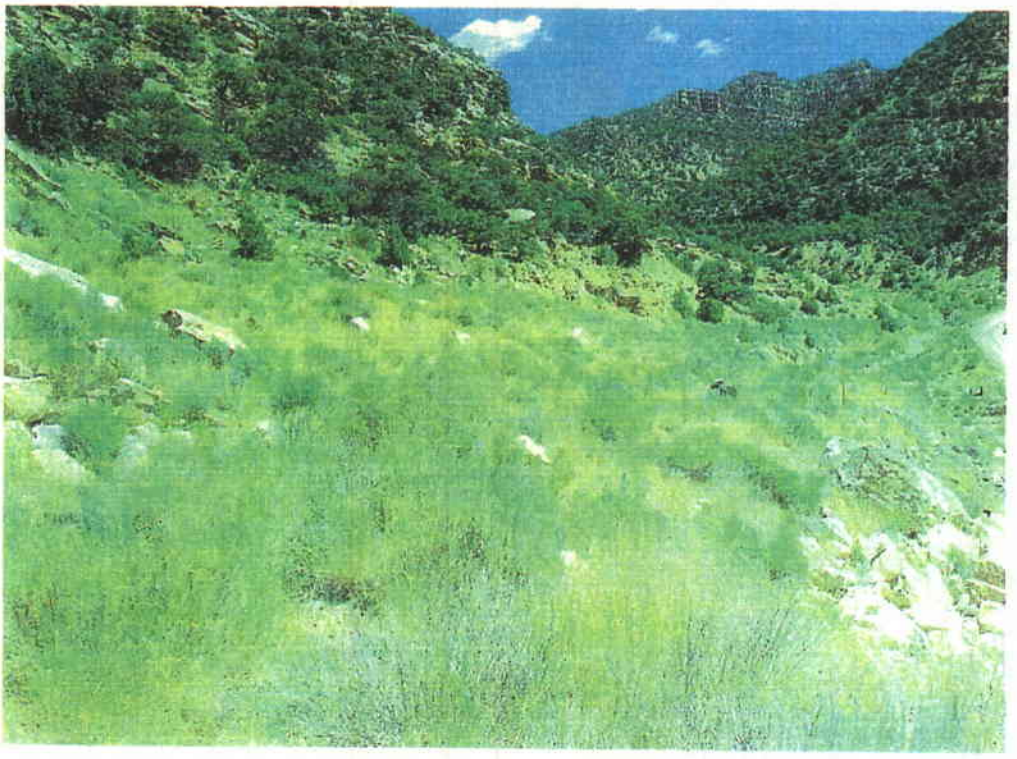
Site Photographs

Area 3

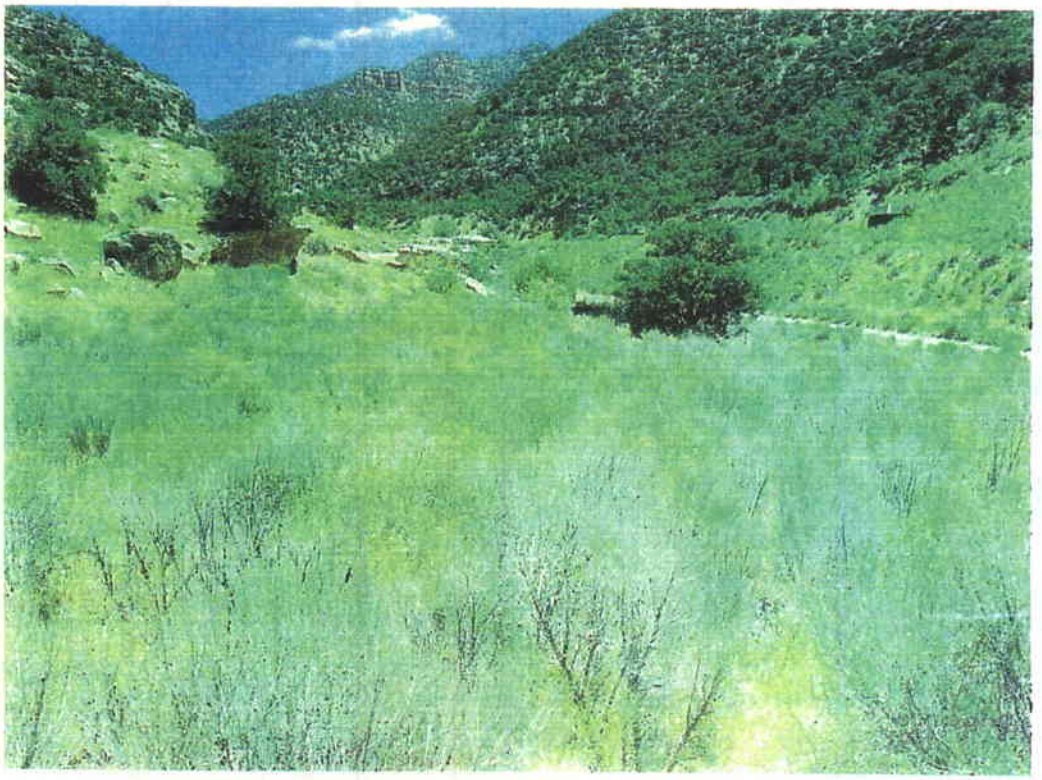




Area 6

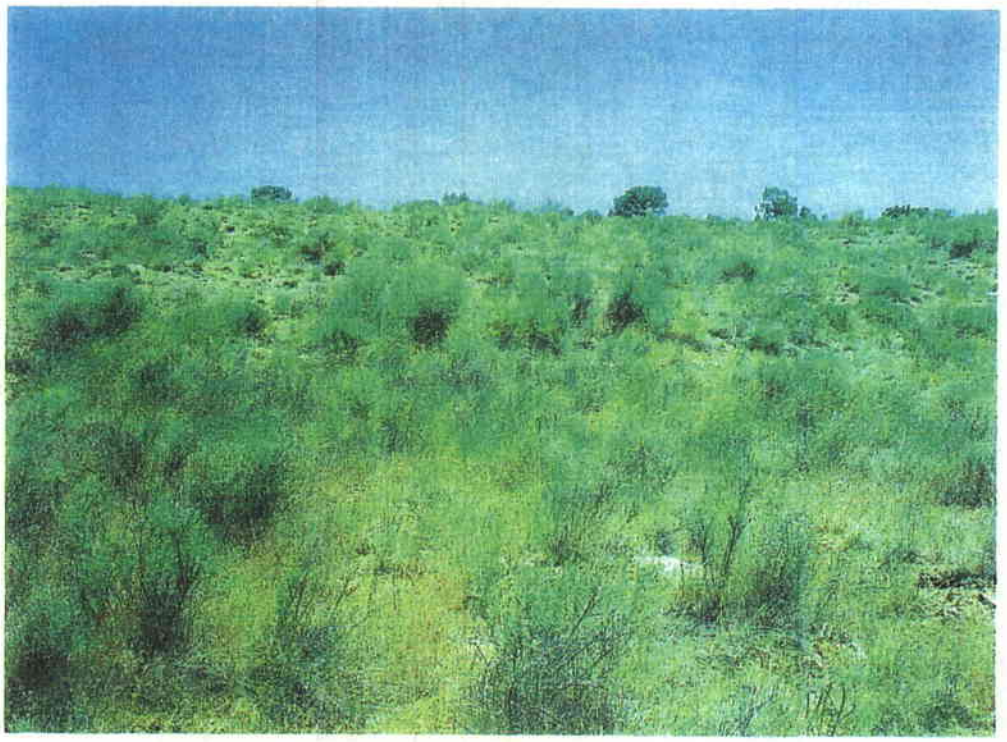


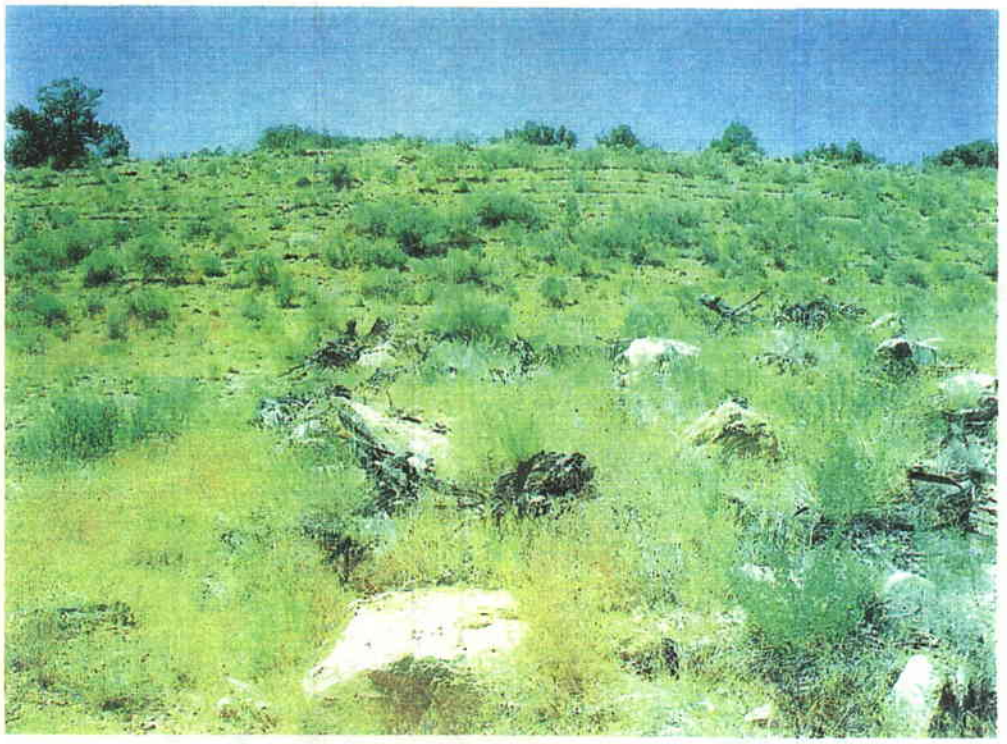
Area 7



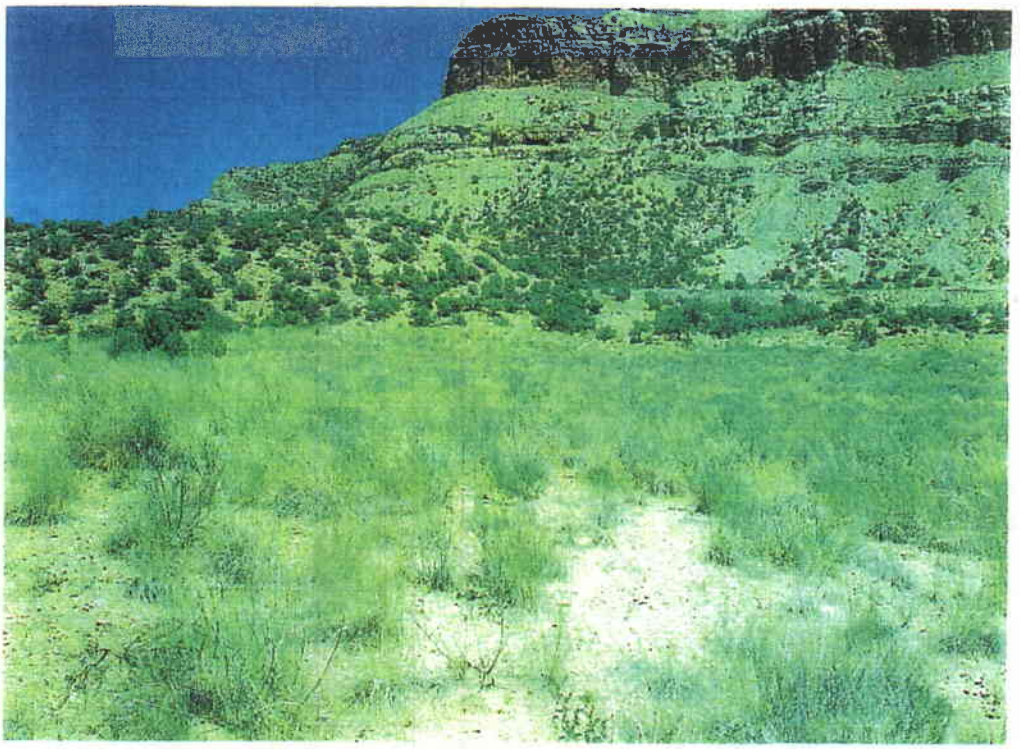
Area 11/13/14

Area 16





Area 15/17



Appendix 5

Sloped Areas Cover Data

Slopes Cover

UtahAmerican Energy asked for a survey of percent cover for 5 sloped areas on the Horse Canyon Mine property. The 5 survey areas were 1) sloped areas around the portal area (Portal Slopes Area) , 2) sloped areas on the north-facing slope above the mine buildings (Area 3 Slopes Area), 3), sloped areas immediately adjacent to the fence on the south side of the mine buildings (Fence Slopes Area) 4) sloped areas surrounding the magazine area (Magazine Slopes Area), and 5) sloped areas adjacent and just north of the pond area (Pond Slopes Area).

A minimum of 3 transects were run at each site, and when sufficient space was available, a maximum of 5 transects were run. Fifty points were collected from each 100 foot transect. Transects were not located randomly because of the restrictively small size of the sloped areas. Data for percent cover for each area are summarized in the tables and data sheets that follow. These data include vegetation category and species for each transect at each site.

Portal Slopes Area

In the Portal slopes area, 5 transects were run. Average percent cover of all vegetation in the area was 64.80 percent. Dominant vegetative type at the site was shrubs; 41.20%, followed by grasses; 23.60 %.

Area 3 Slopes Area

In the Area 3 slopes area, 5 transects were run. Average percent cover of all vegetation in the area was 63.60 percent. Dominant vegetative type at the site was grasses; 28.80%, followed by shrubs; 27.20%).

Fence Slopes Area

In the Fence slopes area, 3 transects were run. Average percent cover of all vegetation in the area was 56.67 percent. Dominant vegetative type at the site was grasses; 24.00%, followed by forbs; 19.33%, and shrubs; 13.33%).

Magazine Slopes Area

In the Magazine slopes area, 5 transects were run. Average percent cover of all

vegetation in the area was 60.40 percent. Dominant vegetative type at the site was shrubs; 38.00%, followed by grasses; 20.80%).

Pond Slopes Area

In the Pond slopes area, 4 transects were run. Average percent cover of all vegetation in the area was 57.00 percent. Dominant vegetative type at the site was grasses; 27.50%, followed by shrubs; 26.00%).

Vegetation in these sloped areas appeared to be in good condition, with no signs of disease, insect damage or overgrazing. Though total vegetative cover in the sloped areas (range 57.00% to 64.80%) is less than the revegetated areas (range 66.27% to 89.07%), the is overlap between the two. In all cases, the sloped sites were more densely vegetated than the Horse Canyon reference area which had an average vegetative cover of 33.47%.

There are more areas of bare ground in the sloped areas than are present in the revegetation study areas, but no signs of excessive erosion were observed. In general, the sloped areas appear to have satisfactory levels of vegetation.

Slopes Cover Data

Area 3 Slopes									
			Transect Number						
Percent Cover		1.00	2.00	3.00	4.00	5.00		Average	Std. Dev.
Shrubs		46.00	50.00	48.00	22.00	40.00		41.20	11.37
Forbs		0.00	2.00	0.00	0.00	0.00		0.40	0.89
Grasses		16.00	28.00	22.00	28.00	24.00		23.60	4.98
Trees		0.00	0.00	0.00	0.00	12.00		2.40	5.37
Total Vegetation		62.00	80.00	68.00	50.00	64.00		64.80	10.83
Cryptobiotic		0.00	0.00	0.00	0.00	0.00		0.00	0.00
Total Physical Features		38.00	20.00	32.00	50.00	36.00		35.20	10.83

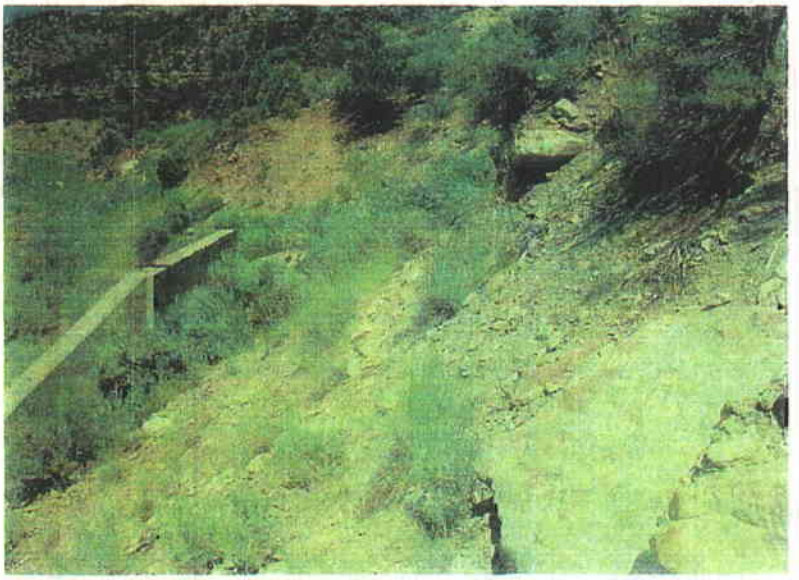
Building Slopes Data									
			Transect Number						
Percent Cover		1.00	2.00	3.00	4.00	5.00		Average	Std. Dev.
Shrubs		32.00	14.00	40.00	32.00	16.00		27.20	10.83
Forbs		2.00	12.00	10.00	14.00	0.00		7.60	6.23
Grasses		38.00	34.00	6.00	18.00	48.00		28.80	16.71
Trees		0.00	0.00	0.00	0.00	0.00		0.00	0.00
Total Vegetation		72.00	60.00	56.00	64.00	66.00		63.60	6.07
Cryptobiotic		0.00	0.00	0.00	0.00	0.00		0.00	0.00
Total Physical Features		28.00	40.00	44.00	36.00	34.00		36.40	6.07

Fence Slopes Data							
		Transect Number					
Percent Cover		1.00	2.00	3.00		Average	Std. Dev.
Shrubs		8.00	22.00	10.00		13.33	7.57
Forbs		34.00	2.00	22.00		19.33	16.17
Grasses		12.00	36.00	24.00		24.00	12.00
Trees		0.00	0.00	0.00		0.00	0.00
Total Vegetation		54.00	60.00	56.00		56.67	3.06
Cryptobiotic		0.00	0.00	0.00		0.00	0.00
Total Physical Features		46.00	40.00	44.00		43.33	3.06

Magazine Slopes Data										
				Transect Number						
Percent Cover			1.00	2.00	3.00	4.00	5.00		Average	Std. Dev.
Shrubs			38.00	50.00	40.00	42.00	20.00		38.00	11.05
Forbs			0.00	0.00	2.00	0.00	0.00		0.40	0.89
Grasses			28.00	22.00	38.00	4.00	12.00		20.80	13.31
Trees			0.00	0.00	0.00	0.00	6.00		1.20	2.68
Total Vegetation			66.00	72.00	80.00	46.00	38.00		60.40	17.74
Cryptobiotic			0.00	0.00	0.00	0.00	4.00		0.80	1.79
Total Physical Features			34.00	28.00	20.00	54.00	58.00		38.80	16.53

Pond Slopes Data									
				Transect Number					
Percent Cover			1.00	2.00	3.00	4.00		Average	Std. Dev.
Shrubs			26.00	26.00	32.00	20.00		26.00	4.90
Forbs			2.00	6.00	2.00	0.00		2.50	2.52
Grasses			14.00	40.00	20.00	36.00		27.50	12.48
Trees			0.00	4.00	0.00	0.00		1.00	2.00
Total Vegetation			42.00	76.00	54.00	56.00		57.00	14.09
Cryptobiotic			0.00	0.00	0.00	4.00		1.00	2.00
Total Physical Features			58.00	24.00	46.00	40.00		42.00	14.14

Portal Slopes Cover Data



Horse Canyon Revegetation Project Tally Sheet																																																					
Date:7/18/03	Area:3 - LS						Transect:1								UTM:0555658/4368203																		Heading:212																					Relative
Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Vegetative
Shrubs																																																					Cover
Atriplex canescens	1																			1							1	1																							4	8.00	12.90
Atriplex confertifolia																																																			0	0.00	0.00
Artemisia nova																																																			0	0.00	0.00
Artemisia tridentata tridentata						1	1		1				1	1				1	1		1	1				1			1	1							1	1	1			1	1					1			18	36.00	58.06
Chrysothamnus nauseosus																																																			0	0.00	0.00
Chrysothamnus viscidiflorus																																																	1		1	2.00	3.23
Cowania mexicana																																																			0	0.00	0.00
Ceratoides lanata																																																			0	0.00	0.00
Ephedra viridis																																																			0	0.00	0.00
Sarcobatus vermiculatus																																																			0	0.00	0.00
Gutierrezia sarothrae																																																			0	0.00	0.00
Total Shrubs Cover	1	0	0	0	0	1	1	0	1	0	0	0	1	1	0	0	0	1	1	1	1	1	0	0	0	1	1	1	1	1	0	0	0	0	0	0	1	1	1	0	0	1	1	0	0	0	0	1	1	0	23	46.00	74.19
Forbs & Succulents																																																					
Machaeranthera canescens																																																			0	0.00	0.00
Medicago sativa																																																			0	0.00	0.00
Melilotus officinalis																																																			0	0.00	0.00
Penstemon palmeri																																																			0	0.00	0.00
Sphaeralcea coccinea																																																			0	0.00	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Grass																																																					
Agropyron smithii																																																			0	0.00	0.00
Agropyron spicatum		1	1	1																												1	1	1																	6	12.00	19.35
Agropyron cristatum																																																			0	0.00	0.00
Agropyron trachycaulum																																																			0	0.00	0.00
Bromus tectorum										1																																									0	0.00	0.00
Elymus salinus																																												1							2	4.00	6.45
Elymus cinereus																																																			0	0.00	0.00
Elymus giganteus																																																			0	0.00	0.00
Hilaria Jamesii																																																			0	0.00	0.00
Oryzopsis hymenoides																																																			0	0.00	0.00
Sitanion hystrix																																																			0	0.00	0.00
Stipa comata																																																			0	0.00	0.00
Total Grass Cover	0	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	8	16.00	25.81
Trees																																																					
Juniper																																																			0	0.00	0.00
Pinon																																																			0	0.00	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Total Vegetation Cover	1	1	1	1	0	1	1	0	1	1	0	0	1	1	0	0	0	1	1	1	1	1	0	0	0	1	1	1	1	1	0	1	1	1	0	0	1	1	1	0	0	1	1	1	0	0	0	1	1	0	31	62.00	100.00
Criptobiotic																																																			0	0.00	
Physical Features																																																					
Litter								1							1	1																									1										4	8.00	
Rock																																																			0	0.00	
Bare Ground					1						1	1					1						1	1	1						1				1	1				1					1	1	1			1	15	30.00	
Total Physical Features	0	0	0	0	1	0	0	1	0	0	1	1	0	0	1	1	1	0	0	0	0	0	1	1	1	0	0	0	0	0	1	0	0	0	1	1	0	0	0	1	1	0	0	0	1	1	1	0	0	1	19	38.00	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100.00	
Comments:																																																						

Horse Canyon Revegatation Project Tally Sheet

Date:7/18/03 | **Area:3 - LS** | **Transect:2** | **UTM:0666623/4368143** | **Heading:229**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																			
Atriplex canescens												1	1						1								1		1															1				1			7	14.00	17.50
Atriplex confertifolia																																																			0	0.00	0.00
Artemisia nova																																																			0	0.00	0.00
Artemisia tridentata tridentata				1					1								1	1							1			1		1				1	1						1	1				1				12	24.00	30.00
Chrysothamnus nauseosus																																																			1	2.00	2.50
Chrysothamnus viscidiflorus								1															1			1					1													1							5	10.00	12.50
Cowania mexicana																																																			0	0.00	0.00
Coryloides lanata																																																			0	0.00	0.00
Ephedra viridis																																																			0	0.00	0.00
Sarcobatus vermiculatus																																																			0	0.00	0.00
Gutierrezia sarothrae																																																			0	0.00	0.00
Total Shrubs Cover	0	0	0	1	0	0	0	1	1	0	0	1	1	0	0	0	1	1	1	0	0	0	1	0	1	1	1	1	1	1	1	0	0	1	1	0	0	0	0	1	1	1	0	1	0	1	1	1	0	0	26	50.00	62.50
Forbs & Succulents																																																					
Mechaeranthera canescens																																																					
Medicago sativa																				1																																	0	0.00	0.00
Melilotus officinalis																																																			1	2.00	2.50
Penstemon palmeri																																																			0	0.00	0.00
Sphaeralcia coccinea																																																			0	0.00	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2.00	2.50
Grass																																																					
Agropyron smithii																																																					
Agropyron spicatum							1							1																																						0	0.00	0.00
Agropyron cristatum																															1	1			1	1		1													8	16.00	20.00
Agropyron trachycaulum																																																			0	0.00	0.00
Bromus tectorum	1	1			1																			1																													6	12.00	15.00
Elymus salinus																																						1							1							0	0.00	0.00
Elymus cinereus																																																			0	0.00	0.00
Elymus gigenteus																																																			0	0.00	0.00
Hilaria jamesii																																																			0	0.00	0.00
Oryzopsis hymenoides																																																			0	0.00	0.00
Sitanion hystrix																																																			0	0.00	0.00
Stipa comata																																																			0	0.00	0.00
Total Grass Cover	1	1	0	0	1	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	0	0	1	1	1	1	0	0	0	0	0	1	0	0	0	1	0	14	28.00	35.00
Trees																																																					
Juniper																																																					
Pinon																																																				0	0.00	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Total Vegetation Cover	1	1	0	1	1	0	1	1	1	0	0	1	1	1	0	0	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	0	40	80.00	100.00
Cryptobiotic																																																					
																																																			0	0.00	
Physical Features																																																					
Litter																																																					
Rock																																																			0	0.00	
Bare Ground			1			1				1	1				1	1					1	1																														0	0.00	
Total Physical Features	0	0	1	0	0	1	0	0	0	1	1	0	0	0	1	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	10	20.00	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	10	20.00	
Comments:																																																			50	100.00	

Horse Canyon Revegatation Project Tally Sheet

Date:7/18/03 | **Area:3 - LS** | **Transect:3** | **UTM:0566591/4368128** | **Heading:239**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetion Cover
Shrubs																																																				
Atriplex canescens	1		1	1										1	1	1	1	1		1				1	1	1					1					1									1	1	1	1	1		19	38.00	55.88
Atriplex confertifolia																																																			0	0.00	0.00
Artemisia nova																																																			0	0.00	0.00
Artemisia tridentata tridentata																															1		1						1					1							4	8.00	11.76
Chrysothamnus nauseosus																																																			0	0.00	0.00
Chrysothamnus viscidiflorus																																																			0	0.00	0.00
Cowania mexicana																																																			0	0.00	0.00
Coryloides lanata																																																			0	0.00	0.00
Ephedra viridis																																																			0	0.00	0.00
Sarcobatus vermiculatus																																																			0	0.00	0.00
Gutierrezia sarothrae																																																			0	0.00	0.00
Total Shrubs Cover	1	0	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	1	0	0	0	1	1	1	0	0	0	0	1	1	1	0	0	0	0	1	1	0	0	0	0	1	1	1	1	1	1	0	23	46.00	67.65
Forbs & Succulents																																																						
Machaeranthera canescens																																																			0	0.00	0.00
Medicago sativa																																																			0	0.00	0.00
Melilotus officinalis																																																			0	0.00	0.00
Penstemon palmeri																																																			0	0.00	0.00
Sphaeralcia coccinea																																																			0	0.00	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Grass																																																					
Agropyron smithii																																																			0	0.00	0.00
Agropyron spicatum					1	1						1																						1	1															5	10.00	14.71
Agropyron cristatum																																																			0	0.00	0.00
Agropyron trachycaulum																																																			0	0.00	0.00
Bromus tectorum											1	1											1				1																									6	12.00	17.65
Elymus salinus																																																			0	0.00	0.00
Elymus cinereus																																																			0	0.00	0.00
Elymus glaucous																																																			0	0.00	0.00
Hilaria jamesii																																																			0	0.00	0.00
Oryzopsis hymenoides																																																			0	0.00	0.00
Sitanion hystrix																																																			0	0.00	0.00
Stipa comata																																																			0	0.00	0.00
Total Grass Cover	0	0	0	0	0	1	1	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	1	1	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	11	22.00	32.35
Trees																																																					
Juniper																																																					
Pinon																																																			0	0.00	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Total Vegetation Cover	1	0	1	1	0	1	1	0	0	0	1	1	1	1	1	1	1	1	0	1	0	0	1	1	1	1	1	0	0	0	1	1	1	0	1	1	0	1	1	1	0	0	1	1	1	1	1	1	1	0	34	68.00	100.00
Cryptobiotic																																																					
																																																			0	0.00	
Physical Features																																																					
Litter					1																1							1	1																								
Rock																																																			1	5	10.00	
Bare Ground		1						1	1	1									1			1							1				1			1															0	0.00	
Total Physical Features	0	1	0	0	1	0	0	1	1	1	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0	1	1	1	0	0	0	1	0	0	1	0	0	0	1	1	0	0	0	0	0	0	0	1	11	22.00	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	16	32.00	
Comments:																																																			50	100.00	

Horse Canyon Revegetation Project Tally Sheet

Date:7/18/03 | **Area:3 - US** | **Transect:4** | **UTM:0666568/4368087** | **Heading:46**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetation Cover
Shrubs																																																				
Atriplex canescens						1													1								1	1																							4	8.00	16.00
Atriplex confertifolia																																																		0	0.00	0.00
Artemisia nova																																																		0	0.00	0.00
Artemisia tridentata tridentata	1						1	1																													1	1													5	10.00	20.00
Chrysothamnus nauseosus																																																		0	0.00	0.00
Chrysothamnus viscidiflorus																																																		1	1	2.00	4.00
Coverla mendocina																																																		0	0.00	0.00
Ceratoides lanata													1																																						1	2.00	4.00
Ephedra viridis																																																		0	0.00	0.00
Sarcobatus vermiculatus																																																		0	0.00	0.00
Gutierrezia sarothrae																																																		0	0.00	0.00
Total Shrubs Cover	1	0	0	0	0	1	1	1	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	11	22.00	44.00
Forbs & Succulents																																																					
Machaeranthera canescens																																																			0	0.00	0.00
Medicago sativa																																																			0	0.00	0.00
Melilotus officinalis																																																			0	0.00	0.00
Penstemon palmeri																																																			0	0.00	0.00
Sphaeralcia coccinea																																																			0	0.00	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Grass																																																					
Agropyron smithii																																																			0	0.00	0.00
Agropyron spicatum					1							1				1	1	1							1	1			1	1																					9	18.00	36.00
Agropyron trachycaulum																																																			0	0.00	0.00
Bromus tectorum																																																			0	0.00	0.00
Elymus cinereus																																														1					1	2.00	4.00
Elymus gigantaus																																															1					1	2.00	4.00
Hilaria jamesii																																																			0	0.00	0.00
Oryzopsis hymenoides																																																			0	0.00	0.00
Sitanion hystrix																																																			0	0.00	0.00
Stipa comata																																																			0	0.00	0.00
Total Grass Cover	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	1	1	1	0	0	0	0	0	0	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	1	1	1	0	0	0	14	28.00	56.00
Trees																																																					
Juniper																																																					
Pinon																																																				0	0.00	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Total Vegetation Cover	1	0	0	0	1	1	1	1	0	0	0	1	1	0	0	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	1	1	0	1	0	1	0	0	1	1	1	0	0	1	25	50.00	100.00
Cryptobiotic																																																			0	0.00	
Physical Features																																																				
Litter									1																																											1	2.00	
Rock															1																																					1	2.00	
Bare Ground		1	1	1						1	1			1						1	1	1	1	1						1	1	1	1	1	1		1		1		1		1	1				1	1	23	46.00	
Total Physical Features	0	1	1	1	0	0	0	0	1	1	1	0	0	1	1	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	0	0	1	0	1	0	1	1	0	0	0	1	1	0	25	50.00	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100.00	
Comments:																																																					

Horse Canyon Revegetation Project Tally Sheet

Date:7/18/03 | **Area:3 - US** | **Transect:5** | **UTM:0555691/4368096** | **Heading:49**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetion Cover
Shrubs																																																				
Atriplex canescens																																																			0	0.00	0.00
Atriplex confertifolia																																																		0	0.00	0.00
Artemisia nova																																																		0	0.00	0.00
Artemisia tridentata tridentata																										1		1	1			1																			9	18.00	28.13
Chrysothamnus nauseosus	1							1	1																																1					1	1		1	1	3	9.00	9.38
Chrysothamnus viscidiflorus		1					1			1	1				1	1								1												1														6	18.00	28.00
Coleogyne ramosissima																																																		0	0.00	0.00
Cercidium floridum																																																		0	0.00	0.00
Ephedra viridis																																																		0	0.00	0.00
Sarcobatus vermiculatus																																																		0	0.00	0.00
Gutierrezia sarothrae																																																		0	0.00	0.00
Total Shrubs Cover	1	1	0	0	0	0	1	1	1	1	1	0	0	0	1	1	0	0	0	0	0	0	0	1	0	1	0	1	1	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	0	1	1	0	1	1	20	40.00	62.50
Forbs & Succulents																																																					
Machaeranthera canescens																																																					
Medicago sativa																																																			0	0.00	0.00
Melilotus officinalis																																																			0	0.00	0.00
Penstemon palmeri																																																			0	0.00	0.00
Sphaeralcea coccinea																																																			0	0.00	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Grass																																																				
Agropyron smithii																																																				
Agropyron spicatum						1						1					1										1			1	1																			6	12.00	18.75
Agropyron cristatum																																																			0	0.00	0.00
Agropyron trachycaulum																																																			0	0.00	0.00
Bromus tectorum			1																														1	1	1															5	10.00	15.63
Elymus salinus																																																			0	0.00	0.00
Elymus cinereus																																																			0	0.00	0.00
Elymus giganteous																																																			0	0.00	0.00
Hilaria jamesii																																																			0	0.00	0.00
Oryzopsis hymenoides																						1																															1	2.00	3.13
Sitanion hystrix																																																			0	0.00	0.00
Stipa comata																																																			0	0.00	0.00
Total Grass Cover	0	0	1	0	0	1	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	1	0	0	0	0	1	0	0	1	1	0	0	1	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	12	24.00	37.50
Trees																																																				
Juniper																																																					
Pinon																																																			0	0.00	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Total Vegetation Cover	1	1	1	0	0	1	1	1	1	1	1	1	0	0	1	1	1	0	0	0	0	1	0	1	0	1	1	1	1	1	1	0	1	1	1	1	1	0	0	0	1	1	1	0	1	1	32	64.00	100.00
cryptobiotic																																																			0	0.00	
Physical Features																																																				
Litter																																																				
Rock																																																			0	0.00	
Bare Ground				1	1								1	1				1	1	1	1		1		1							1								1	1	1		1	1	1			1			0	0.00	
Total Physical Features	0	0	0	1	1	0	0	0	0	0	0	0	1	1	1	0	0	0	1	1	1	1	0	1	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	1	0	1	1	1	0	0	0	1	0	0	18	36.00	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	18	36.00	
Comments:																																																			50	100.00	

Area 3 Slopes Cover Data

Horse Canyon Revegetation Project Tally Sheet

Date:8/08/03 | Area:Bulldog Slope | Transect:1 | 555288/4387892 | Heading:38

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens			1														1	1					1	1			1						1		1	1	1	1													11	22	30.56
Atriplex confertifolia																																																			0	0	0.00
Atriplex cuneata																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata																									1										1																2	4	5.56
Chrysothamnus nauseosus																1											1																									2	4	5.56
Chrysothamnus viscidiflorus																																																			1	2	2.78
Coweria mexicana																																																			0	0	0.00
Ceratoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Gerrobotrys vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	1	1	1	0	1	1	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1	0	16	32	44.44
Forbs & Succulents																																																					
Astragalus sp.				1																																															1	2	2.78
Machaeranthera canescens																																																			0	0	0.00
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Total Forb Cover	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2.78
Grass																																																					
Agropyron smithii																																																					
Agropyron spicatum						1		1						1																																							4	8	11.11
Agropyron striatum																																																				0	0	0.00
Agropyron trachycaulum																																																			0	0	0.00
Bromus tectorum																																																				0	0	0.00
Elymus salinus	1																																																			1	2	2.78
Elymus cinereus																																1	1																		3	6	8.33
Elymus glaucus		1							1		1	1		1					1										1	1																							0	0	0.00
Hilaria jamesii																													1	1											1	1	1										11	22	30.56
Oryzopsis hymenoides																																																			0	0	0.00
Sitanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	1	1	0	0	0	1	0	0	1	1	0	1	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0	0	0	19	38	52.78
Trees																																																					
Juniper																																																					
Pinon																																																			0	0	0.00
																																																		0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	0	1	0	0	1	1	0	1	1	1	1	1	1	1	1	0	0	0	1	1	1	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	0	0	1	0	36	72	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																					
Litter																																																					
Rock								1																																											0	0	
Bare Ground					1		1				1									1	1	1				1			1																1	1		1	1		1	13	26	
Total Physical Features	0	0	0	0	1	0	1	1	0	0	1	0	0	0	0	0	0	0	0	1	1	1	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1	0	1	14	28	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	
Comments:																																																					

Horse Canyon Revegetation Project Tally Sheet

Date:8/06/03 | Area:Building Slope | Transect:2 | UTM:5582694387901 | Heading:92

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens	1	1																																		1															2	4	6.67
Atriplex confertifolia																																												1	1						2	4	6.67
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata																																				1											1	1				3	6	10.00
Chrysothamnus nauseosus																																																			0	0	0.00
Chrysothamnus viscidiflorus																																																			0	0	0.00
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1	1	0	0	7	14	23.33
Forbs & Succulents																																																				0		
Astragalus sp. (blank) yellow																																																			0		
Globe Mallow																																																			0	0	0.00
Machaeranthera canescens																							1																													0	0	0.00
Medicago sativa																									1	1	1								1																2	4	6.67
Melilotus officinalis																																																			3	6	10.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			1	2	3.33
																																																		0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	6	12	20.00
Grass																																																			0		
Agropyron smithii																																																			0		
Agropyron spicatum			1	1			1	1					1	1		1	1																																		0	0	0.00
Agropyron cristatum															1																																				8	16	26.67
Agropyron trachycaulum																																					1														2	4	6.67
Bromus tectorum					1				1																																										0	0	0.00
Elymus salinus																								1								1	1																		2	4	6.67
Elymus cinereus																															1	1						1	1												5	10	16.67
Elymus glaucus																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
																																																		0	0	0.00
Total Grass Cover	0	0	1	1	1	0	1	1	1	0	0	0	1	1	1	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	17	34	56.67
Trees																																																				0		
Juniper																																																				0		
Pinon																																																			0	0	0.00
																																																		0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	1	0	1	1	1	0	0	0	1	1	1	1	1	0	0	0	0	0	1	1	1	1	1	0	0	0	1	1	0	0	1	1	1	1	1	0	0	0	0	0	1	1	1	1	0	0	30	60	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																					
Litter																																																					
Rock																																																			0	0	
Bare Ground						1				1	1	1						1	1	1	1	1						1	1	1			1	1										1	1	1	1					1	1	0	0	
																																																		20	40	
Total Physical Features	0	0	0	0	0	1	0	0	0	1	1	1	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	1	1	1	0	0	1	1	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	20	40	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	60	100	
Comments:																																																					

Horse Canyon Revegetation Project Tally Sheet

Date: 8/06/03 | Area: Building Slope | Transect: 3 | UTM: 0565214/4387910 | Heading: 70

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens														1																											1										2	4	7.14
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata	1				1								1					1								1																										7	14	25.00
Chrysothamnus nauseosus																																																			0	0	0.00
Chrysothamnus viscidiflorus				1	1						1	1			1	1	1											1								1							1									11	22	39.29
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrube Cover	1	0	0	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0	1	1	0	0	1	0	20	40	71.43
Forbs & Succulents																																																					
Mechaeranthera canescens																																																					
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri		1																						1	1		1										1															5	10	17.86
Sphaeralcia coccinea																																																			0	0	0.00
Total Forb Cover	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	5	10	17.86
Grass																																																					
Agropyron smithii																																																					
Agropyron spicatum																																																			0	0	0.00
Agropyron oridelum																																	1	1																2	4	7.14
Agropyron trachycaulum																																																			0	0	0.00
Bromus tectorum																																																			0	0	0.00
Elymus cellnus																																																		1	1	2	3.57
Elymus cinereus																																																			0	0	0.00
Elymus gigenteus																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	8	10.71
Trees																																																					
Juniper																																																					
Pinon																																																			0	0	0.00
																																																		0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	0	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	1	1	1	1	0	0	1	1	0	0	1	1	0	0	1	1	25	56	100.00
Cryptobiotic																																																					
																																																			0	0	
Physical Features																																																					
Litter			1																1																																			
Rock																																																			3	6	
Bare Ground							1	1	1	1										1	1	1	1						1	1	1	1	1						1													1	2	
																																																			18	36	
Total Physical Features	0	0	1	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	1	1	1	1	1	0	0	0	0	1	1	0	0	1	1	1	1	0	0	1	1	0	0	22	44	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	

Comments:

Horse Canyon Revegetation Project Tally Sheet

Date:6/08/05 | Area:Building Slope | Transect:4 | UTM:555543/4567957 | Heading:220

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens		1																			1																															2	4	6.25
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata	1													1																																						0	0	0.00
Chrysothamnus nauseosus																																													1						3	6	9.38
Chrysothamnus viscidiflorus							1								1										1	1	1										1							1							7	14	21.88
Coweria mexicana																																																			0	0	0.00
Cerotoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae					1	1							1			1																																					4	8	12.50
Total Shrubs Cover	1	1	0	0	1	1	1	0	0	0	0	0	1	1	1	1	0	0	0	0	1	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	1	0	0	0	0	16	32	50.00
Forbs & Succulents																																																						
Machaeranthera canescens																																																						
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																									1				1	1					1	1							1	1							7	14	21.88
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	0	1	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	7	14	21.88
Grass																																																					
Agropyron smithii																																																			0	0	0.00
Agropyron spicatum											1	1					1																																			4	8	12.50
Agropyron cristatum																																																			0	0	0.00
Agropyron trachycaulum																																																			0	0	0.00
Bromus tectorum			1																																																1	2	3.13
Elymus salinus																																																			0	0	0.00
Elymus cinereus																																																			3	6	9.38
Elymus giganteus																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Stipa comata																																																			1	2	3.13
Total Grass Cover	0	0	1	0	0	0	0	0	0	0	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	1	1	1	0	0	9	18	28.13
Trees																																																					
Juniper																																																						
Pinon																																																				0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	0	1	1	1	0	0	0	1	1	1	1	1	1	1	0	0	0	1	0	0	0	1	1	1	1	1	1	0	0	0	0	1	1	1	0	1	0	1	1	0	1	1	1	1	1	1	0	32	64	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																					
Litter																																																					
Rock																																																				0	0	
Bare Ground				1				1	1	1								1	1	1		1	1	1					1	1	1	1				1		1				1							1	16	36	
Total Physical Features	0	0	0	1	0	0	0	1	1	1	0	0	0	0	0	0	0	1	1	1	0	1	1	1	0	0	0	0	0	0	1	1	1	1	0	0	0	1	0	1	0	0	1	0	0	0	0	0	0	1	18	36	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	
Comments:																																																					

Horse Canyon Revegetation Project Tally Sheet

Date:8/08/05 | Area:Building Slope | Transect:5 | UTM: | Heading:258

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																			
Atriplex canescens															1	1	1	1																							1	1	1								7	14	21.21
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata												1																																							1	2	3.03
Chrysothamnus nauseosus																																								1										1	2	3.03
Chrysothamnus viscidiflorus																																																		0	0	0.00
Coverla madiana																																																			0	0	0.00
Ceratoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	9	18	27.27
Forbs & Succulents																																																						
Machaeranthera canescens																																																			0	0	0.00
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grass																																																					
Agropyron smithii																																																					
Agropyron spicatum	1																																																		0	0	0.00
Agropyron cristatum																																														1						2	4	6.06
Agropyron trachycaulum																																															1	1				2	4	6.06
Bromus tectorum																			1	1					1	1					1	1							1								1	1				0	0	0.00
Elymus salinus																																																			9	18	27.27
Elymus cinereus											1																																									0	0	0.00
Elymus gigenteous													1								1	1	1				1	1	1	1							1	1													1	2	3.03
Hilaria jamesii																																																			10	20	30.30
Oryzopsis hymenoides																																																			0	0	0.00
Sitanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	1	1	1	1	1	0	1	1	1	1	1	1	1	0	0	0	1	1	1	0	0	0	0	0	1	1	0	1	1	1	0	0	24	48	72.73
Trees																																																					
Juniper																																																					
Pinon																																																			0	0	0.00
																																																		0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	0	0	0	0	0	0	0	0	0	1	1	1	0	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	0	1	1	1	0	0	33	66	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																					
Litter														1																			1	1	1															5	10	
Rock																																																			0	0	
Bare Ground		1	1	1	1	1	1	1	1	1														1																						1				12	24	
Total Physical Features	0	1	1	1	1	1	1	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	17	34	
Comments:	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	

Fence Slopes Cover Data

Horse Canyon Revegetation Project Tally Sheet

Date: 8/06/03 | Area/Fence Slope | Transect: 1 | UTM: 5551884/4367789 | Heading: 42

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens																																																			0	0	0.00
Atriplex confertifolia																																																		0	0	0.00
Atriplex cuneata																																																		0	0	0.00
Artemisia nova																																																		0	0	0.00
Artemisia tridentata tridentata																																																		0	0	0.00
Chrysothamnus nauseosus													1													1												1												3	6	11.11
Chrysothamnus viscidiflorus																				1																														1	2	3.70
Cowania mexicana																																																		0	0	0.00
Ceratoides lanata																																																		0	0	0.00
Ephedra viridis																																																		0	0	0.00
Sarcobatus vermiculatus																																																		0	0	0.00
Gutierrezia sarothrae																																																		0	0	0.00
Total Shrubs Cover	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	4	8	14.81
Forbs & Succulents																																																					
Mechaeranthera canescens																																																					
Medicago sativa	1	1						1	1	1	1									1					1	1													1	1	1	1	1	1	1	1						0	0	0.00
Melilotus officinalis																																																			17	34	62.96
Penstemon palmeri																																																		0	0	0.00
Sphaeralcia coccinea																																																		0	0	0.00
Total Forb Cover	1	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	17	34	62.96
Grass																																																				
Agropyron smithii																																																				
Agropyron spicatum			1					1									1	1	1																																0	0	0.00
Agropyron cristatum																																																			5	10	18.52
Agropyron trachycaulum																																																			0	0	0.00
Bromus tectorum																																																			0	0	0.00
Elymus salinus																																																			0	0	0.00
Elymus cinereus																																																			0	0	0.00
Elymus giganteus																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides					1																																														0	0	0.00
Stanion hystrix																																																			1	2	3.70
Stipa comata																																																			0	0	0.00
Total Grass Cover	0	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	12	22.22
Trees																																																				
Juniper																																																					
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	0	0	1	0	1	1	1	1	1	1	0	0	0	1	1	1	1	1	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	27	54	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																				
Litter																																																				
Rock																																																			0	0	
Bare Ground				1	1		1							1	1	1						1	1	1	1			1	1	1	1	1	1	1	1	1	1										1	1	1	1	0	0	
Total Physical Features	0	0	0	1	1	0	1	0	0	0	0	0	0	1	1	1	0	0	0	0	0	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	23	46	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	
Comments:																																																				

Horse Canyon Revegetation Project Tally Sheet

Date: 8/08/03 | Area: Fence Slope | Transect: 2 | UTM: 568241/4387830 | Heading: 7

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens							1																																						1				2	4	6.67
Atriplex confertifolia																																																		0	0	0.00
Atriplex cuneata																																																		0	0	0.00
Artemisia nova																																																		0	0	0.00
Artemisia tridentata tridentata															1	1	1																																	3	6	10.00
Chrysothamnus nauseosus																														1							1				1	1	1							5	10	16.67
Chrysothamnus viscidiflorus																																																		0	0	0.00
Coweria mexicana																																																	1	1	2	3.33
Ceratoides lanata																																																		0	0	0.00
Ephedra viridis																																																		0	0	0.00
Sarcobatus vermiculatus																																																		0	0	0.00
Gutierrezia sarothrae																																																		0	0	0.00
Total Shrubs Cover	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	1	1	1	0	0	1	0	0	0	1	11	22	36.67
Forbs & Succulents																																																					
Machaeranthera canescens																																																		0	0	0.00
Medicago sativa																																																		0	0	0.00
Melilotus officinalis																																																		0	0	0.00
Penstemon palmeri																																																	1	1	2	3.33
Sphaeralcia coccinea																																																		0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	2	3.33
Grass																																																				
Agropyron smithii																																																		0	0	0.00
Agropyron spicatum	1	1		1						1	1								1	1											1	1	1								1				1	1				13	26	43.33
Agropyron trachycaulum																																																		0	0	0.00
Bromus tectorum																																																		0	0	0.00
Elymus salinus												1						1																																2	4	6.67
Elymus cinereus																																																		0	0	0.00
Elymus giganteus			1						1																																									2	4	6.67
Hilaria jamesii																																																		0	0	0.00
Oryzopsis hymenoides																																																		0	0	0.00
Stipion hymenoides																					1																														1	2	3.33
Stipa comata																																																		0	0	0.00
Total Grass Cover	1	1	1	1	0	0	0	0	1	1	1	1	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	0	0	18	36	60.00
Trees																																																				
Juniper																																																		0	0	0.00
Pinon																																																		0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	0	0	1	0	1	1	1	1	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	1	0	0	1	1	1	1	1	1	1	0	1	0	1	30	60	100.00
Cryptobiotic																																																				
																																																		0		
Physical Features																																																				
Litter				1																			1																											2	4	
Rock					1																	1						1					1	1															5	10	
Bare Ground								1					1	1									1		1	1	1	1				1						1	1								1		1	13	26	
Total Physical Features	0	0	0	0	1	1	0	1	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	0	1	1	0	0	0	0	0	0	0	1	0	1	0	20	40	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	

Comments:

Horse Canyon Revegetation Project Tally Sheet

Date:6/06/03 | Area:Fence Slope | Transect:3 | UTM:5551904/4367861 | Heading:218

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens																																																			0	0	0.00
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata																																																		1	1	2	3.57
Chrysothamnus nauseosus																									1																								1		2	4	7.14
Chrysothamnus viscidiflorus																										1																	1							2	4	7.14
Cowania mexicana																																																		0	0	0.00
Ceratoides lanata																																																		0	0	0.00
Ephedra viridis																																																		0	0	0.00
Sarcobatus vermiculatus																																																		0	0	0.00
Gutierrezia sarothrae																																																		0	0	0.00
Total Shrubs Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	5	10	17.86
Forbs & Succulents																																																						
Machaeranthera canescens																																																			0	0	0.00
Medicago sativa							1	1	1						1		1	1	1								1								1	1	1														11	22	39.29
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	11	22	39.29
Grass																																																					
Agropyron smithii																																																			0	0	0.00
Agropyron spicatum					1										1																		1	1				1	1							1	1			8	16	28.57
Agropyron striatum																																																			0	0	0.00
Agropyron trachycaulum																																																			0	0	0.00
Bromus tectorum																																																			0	0	0.00
Elymus salinus														1																																					1	2	3.57
Elymus cinereus																																																			0	0	0.00
Elymus gigenteus																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																				1																																1	2	3.57
Stipa comata																																	1														1				2	4	7.14
																																																			0	0	0.00
Total Grass Cover	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	1	1	0	0	0	0	1	0	1	1	0	0	12	24	42.86
Trees																																																					
Juniper																																																				0	0	0.00
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	0	0	0	0	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	1	0	1	1	1	1	28	56	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																					
Litter																																																				0	0	
Rock																																																				0	0	
Bare Ground	1	1	1	1					1	1	1	1	1								1	1	1	1				1	1	1	1	1											1	1	1		1				22	44	
Total Physical Features	1	1	1	1	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	0	1	0	0	0	0	22	44	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	
Comments:																																																					

Magazine Slopes Cover Data

Horse Canyon Revegetation Project Tally Sheet

Date:7/18/03 | Area:Magazine | Transect:1 | UTM:0555823/4388454 | Heading:270 | Coordinates:

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens																																																					
Atriplex confertifolia																																																				
Atriplex cuneata																																																				
Artemisia nova																																																				
Artemisia tridentata tridentata		1	1	1												1								1	1	1				1	1	1								1	1	1	1						1	15	30	45.45
Chrysothamnus nauseosus															1								1																												2	4	6.06
Chrysothamnus viscidiflorus																																	1						1											2	4	6.06
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	0	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	1	1	1	0	0	0	1	1	1	1	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	1	0	19	38	57.58
Forbs																																																					
Machaeranthera canescens																																																			0	0	0.00
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grass																																																					
Agropyron smithii																																																			0	0	0.00
Agropyron spicatum																																																			0	0	0.00
Agropyron cristatum																																																			0	0	0.00
Agropyron trachycaulum																																																			0	0	0.00
Bromus tectorum							1										1					1					1	1	1					1	1	1	1	1					1	1			1			14	28	42.42
Elymus salinus																																																			0	0	0.00
Elymus cinereus																																																			0	0	0.00
Elymus giganteous																																																			0	0	0.00
Galeta Grass																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Sitanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	1	1	1	0	0	0	0	1	1	1	1	1	0	0	0	0	0	1	1	0	0	1	0	0	14	28	42.42
Trees																																																					
Juniper																																																				0	0	0.00
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	0	1	1	1	0	0	1	0	0	0	0	0	0	0	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	0	33	66	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																					
Litter																					1																														1	2	4	
Rock																																																			0	0	
Bare Ground	1				1	1		1	1	1	1	1	1	1				1	1	1																										1	1					15	30	
Total Physical Features	1	0	0	0	1	1	0	1	1	1	1	1	1	1	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	17	34	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	
Comments:																																																					

Horse Canyon Revegetation Project Tally Sheet

Date:7/18/03 | Area:Magazine | Transect:2 | UTM:0585884/4388458 | Heading:182 | Coordinates:

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens																																																					
Atriplex confertifolia																↘																																			0	0	0.00
Atriplex cuneata																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata	1	1	1	1	1						1	1	1	1	1	1	1						1			1	1	1	1						1	1	1				1	1								22	44	61.11
Chrysothamnus nauseosus																																																			0	0	0.00
Chrysothamnus viscidiflorus																		1																																		3	6	8.33
Cowania mexicana																																																			0	0	0.00
Gutierrezia lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Unknown Buckwheat																																																			0	0	0.00
Total Shrubs Cover	1	1	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	1	0	0	1	1	1	1	0	0	0	0	0	1	1	1	0	0	1	1	1	0	0	0	0	1	1	0	0	25	50	69.44
Forbs																																																						
Mechaeranthera canescens																																																				0	0	0.00
Medicago sativa																																																				0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grass																																																					
Agropyron smithii																																																				0	0	0.00
Agropyron spicatum																																																			0	0	0.00
Agropyron cristatum																						1																														1	2	2.78
Agropyron trachycaulum																																																			0	0	0.00
Bromus tectorum						1													1	1	1			1	1					1										1				1	1							10	20	27.78
Elymus salinus																																																			0	0	0.00
Elymus cinereus																																																			0	0	0.00
Elymus gigenteous																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Sitanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	0	0	11	22	30.56
Trees																																																					
Juniper																																																				0	0	0.00
Pinon																																																				0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1	1	1	1	0	1	1	1	1	0	0	1	1	0	0	36	72	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																					
Litter							1	1	1																																						1					4	8	
Rock																																																				0	0	
Bare Ground										1																				1	1	1	1	1					1							1			1	1	10	20	
Physical Features	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	1	0	0	0	0	1	1	0	0	1	1		14	28	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	
Comments:																																																					

Horse Canyon Revegetation Project Tally Sheet

Date:7/18/05 | Area:Megaline | Transect:3 | UTM:0455889/4368418 | Heading:29 | Coordinates:

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens																																																			0	0	0.00
Atriplex confertifolia																																																		0	0	0.00
Atriplex cuneata																																																		0	0	0.00
Artemisia nova																																																		0	0	0.00
Artemisia tridentata tridentata		1	1								1				1	1						1	1	1	1	1	1					1		1										1	1				15	30	37.50
Chrysothamnus nauseosus																																																1			1	2	2.50
Chrysothamnus viscidiflorus												1									1												1																	3	6	7.50
Cowania mexicana																																																		0	0	0.00
Ceratoides lanata																																				1														1	2	2.50
Ephedra viridis																																																		0	0	0.00
Sarcobatus vermiculatus																																																		0	0	0.00
Gutierrezia sarothrae																																																		0	0	0.00
Unknown Buckwheat																																																		0	0	0.00
Total Shrubs Cover	0	1	1	0	0	0	0	0	0	0	1	1	0	0	1	1	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	1	1	1	1	0	0	0	0	0	1	1	1	0	0	0	20	40	50.00
Forbs																																																		0	0	0.00
Globe Mallow																																																		0	0	0.00
Machaeranthera canescens																																																		0	0	0.00
Medicago sativa																																																		0	0	0.00
Medicago L																																																		0	0	0.00
Melilotus officinalis																																																		0	0	0.00
Penstemon palmeri																																																		0	0	0.00
Sphaeralcia coccinea																																																		0	0	0.00
Tumble Mustard							1																																												1	2	2.50
Wirlertail																																																		0	0	0.00
Total Forb Cover	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2.50
Grass																																																		0	0	0.00
Agropyron smithii																																																		0	0	0.00
Agropyron spicatum																																																		0	0	0.00
Agropyron cristatum																																																		0	0	0.00
Agropyron trachycaulum																																																		0	0	0.00
Bromus tectorum				1	1	1		1	1	1			1	1			1		1	1								1	1							1	1	1	1									1	1	19	38	47.50
Elymus salinus																																																		0	0	0.00
Elymus cinereus																																																		0	0	0.00
Elymus gigantecus																																																		0	0	0.00
Gelota Grass																																																		0	0	0.00
Hilaria jamesii																																																		0	0	0.00
Oryzopsis hymenoides																																																		0	0	0.00
Sitanion hystrix																																																		0	0	0.00
Stipa comata																																																		0	0	0.00
Total Grass Cover	0	0	0	1	1	1	1	0	1	1	1	0	0	1	1	0	0	1	0	1	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	1	1	19	38	47.50
Trees																																																		0	0	0.00
Juniper																																																		0	0	0.00
Pinon																																																		0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	0	1	1	40	80	100.00
Cryptobiotic																																																		0	0	
Physical Features																																																					
Litter	1																													1	1	1																1			5	10	
Rock																																											1	1	1	1					5	10	
Bare Ground																		1																																	0	0	
Total Physical Features	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	1	0	0	10	20	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	

Comments:

Horse Canyon Revegetation Project Tally Sheet

Date:7/16/03 | Area:Magazine | Transect:4 | UTM:0565618/4368418 | Heading:220 | Coordinates:

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens																																																		0	0	0.00
Atriplex confertifolia																																																		0	0	0.00
Artemisia nova																																																		0	0	0.00
Artemisia tridentata tridentata			1	1														1	1	1	1								1							1	1	1	1	1	1	1	1		1	1					17	34	73.91
Chrysothamnus nauseosus																						1																								1						2	4	8.70
Chrysothamnus viscidiflorus	1																																													1					2	4	8.70
Cowania mexicana																																																		0	0	0.00
Cercidoles lanata																																																		0	0	0.00
Ephedra viridis																																																		0	0	0.00
Sarcobatus vermiculatus																																																		0	0	0.00
Gutierrezia sarothrae																																																		0	0	0.00
Total Shrubs Cover	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	21	42	91.30
Forbs																																																					
Mechaeranthera canescens																																																		0	0	0.00
Medicago sativa																																																		0	0	0.00
Medicago L																																																		0	0	0.00
Melilotus officinalis																																																		0	0	0.00
Penstemon palmeri																																																		0	0	0.00
Sphaeralcia coccinea																																																		0	0	0.00
Winterfat																																																		0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grass																																																				
Agropyron smithii																																																		0	0	0.00
Agropyron spicatum																																																		0	0	0.00
Agropyron cristatum																																																		0	0	0.00
Agropyron trachycaulum																																																		0	0	0.00
Bromus tectorum																																																		0	0	0.00
Elymus salinus																																																		0	0	0.00
Elymus cinereus																																																		0	0	0.00
Elymus giganteous																																																		0	0	0.00
Hilaria jamesii																																																		0	0	0.00
Oryzopsis hymenoides																							1								1																			2	4	8.70
Sitanion hystrix																																																		0	0	0.00
Stipa comata																																																		0	0	0.00
Total Grass Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	8.70
Trees																																																		0	0	0.00
Juniper																																																		0	0	0.00
Pinon																																																				
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	1	0	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	25	46	100.00
Cryptobiotic																																																		0	0	
Physical Features																																																				
Litter																																																	1	2	
Rock								1	1																																								2	4	
Bare Ground	1				1	1	1			1	1	1	1	1	1	1	1							1	1	1	1	1		1		1	1	1	1												1	1	24	48	
																																																		0	
Total Physical Features	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1	1	1	1	1	0	1	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	27	54	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	

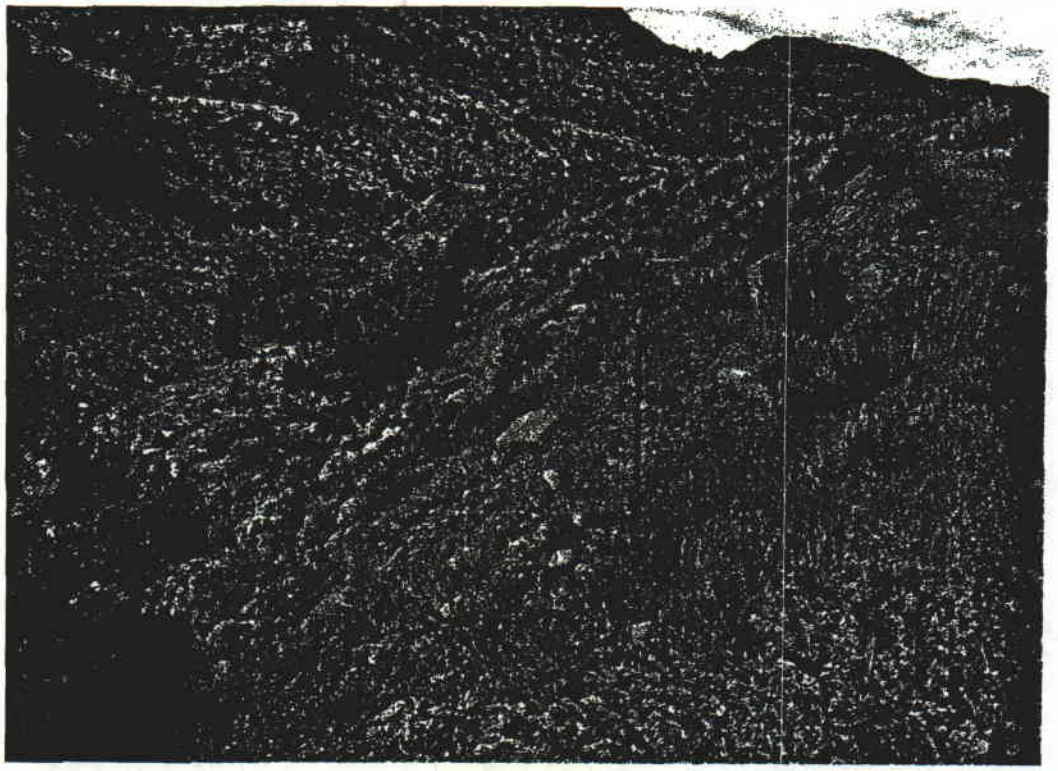
Comments:

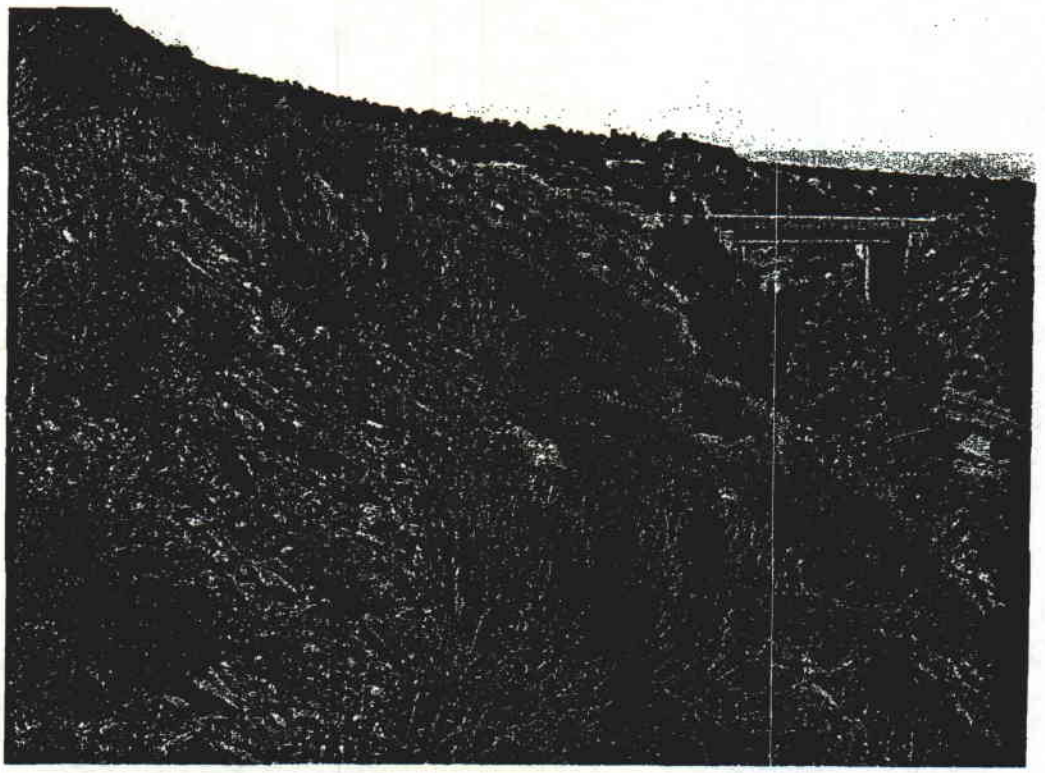
Horse Canyon Revegetation Project Tally Sheet

Date:7/18/03 | Area:Magazine | Transect:5 | UTM:0555992/4388496 | Heading:218 | Coordinates:

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens																																																					
Atriplex confertifolia																																																				
Artemisia nova																																																				
Artemisia tridentata tridentata				1	1						1	1																		1																						
Chrysothamnus nauseosus																																					1	1	1														
Chrysothamnus viscidiflorus																																																				
Cowania mexicana																																																				
Ceratoides lanata																																																				
Ephedra viridis																																																				
Sarcobatus vermiculatus																																																				
Gutierrezia sarothrae										1																																										
Unknown Buckwheat																																																				
Total Shrubs Cover	0	0	0	1	1	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	1	0		10	20	62.83
Forbs																																																				
Machaeranthera canescens																																																				
Medicago sativa																																																				
Melilotus officinalis																																																				
Penstemon palmeri																																																				
Sphaeralcia coccinea																																																			
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0.00
Grass																																																				
Agropyron smithii																																																				
Agropyron spicatum																																																				
Agropyron cristatum																																																				
Agropyron trachycaulum																																																				
Bromus tectorum																						1	1																																
Elymus salinus																																																				
Elymus cinereus																																																				
Elymus giganteus																																																				
Hilaria jamesii																																																				
Oryzopsis hymenoides													1							1	1			1																													
Sitanion hystrix																																																				
Stipa comata																																																				
Total Grass Cover	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		6	12	31.58
Trees																																																				
Juniper																																										1	1	1									
Pinon																																																				
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0		3	6	15.79
Total Vegetation Cover	0	0	0	1	1	0	0	0	0	1	1	1	1	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	1	0	0	0	0	0	0	1	1	1	0	0	1	1	1	0	0	0	1	0	0		19	38	100.00
Cryptobiotic																											1									1																2	4	
Physical Features																																																				
Litter																																																				0	0	
Rock																												1																									7	14	
Bare Ground	1	1	1			1	1	1	1					1	1	1	1	1	1						1	1			1		1	1	1									1					1		1	22	44	
Total Physical Features	1	1	1	0	0	1	1	1	1	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	1	1	0	1	1	0	1	1	1	1	1	0	0	0	1	1	1	1	1	0	0	0	1	1	1		29	58	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		50	100	
Comments:																																																				

Pond Slopes Cover Data





Horse Canyon Revegetation Project Tally Sheet

Date:8/08/03 | Area:Pond | Transect:1 | UTM:564985/4387498 | Heading:358 | Coordinates:

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens																			1																				1														2	4	9.52
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata																																																			0	0	0.00
Chrysothamnus nauseosus				1			1																													1															4	8	19.05
Chrysothamnus viscidiflorus					1	1																				1																	1	1	1							6	12	28.57
Coverlis mexicana																																																			0	0	0.00
Ceratoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Halogeton glomeratus									1																																											0	0	0.00
																																																				1	2	4.76
Total Shrubs Cover	0	0	0	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	0	1	1	1	0	0	0	0	1	0	0	13	26	61.90
Forbs & Succulents																																																						
Grindelia squarrosa			1																																																		
Machaeranthera canescens																																																				1	2	4.76
Medicago sativa																																																				0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
																																																			0	0	0.00
Total Forb Cover	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4.76
Grass																																																					
Agropyron cristhi																																																					
Agropyron spicatum																																																				0	0	0.00
Agropyron striatum																																																				0	0	0.00
Agropyron trachycaulum																																																				0	0	0.00
Bromus tectorum										1	1																																									0	0	0.00
Elymus salinus																									1		1	1																										6	12	28.57
Elymus cinereus																																																				0	0	0.00
Elymus giganteus																																																				0	0	0.00
Hilaria jamesii																																																				0	0	0.00
Oryzopsis hymenoides																1																																					0	0	0.00
Sitanion hystrix																																																				1	2	4.76
Stipa comata																																																				0	0	0.00
																																																			0	0	0.00
Total Grass Cover	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	7	14	33.33
Trees																																																					
Juniper																																																					
Pinon																																																				0	0	0.00
																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	0	0	1	1	1	1	1	0	1	1	1	0	0	0	0	1	0	0	1	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	1	0	0	1	0	1	1	1	0	0	0	1	1	0	0	21	42	100.00
Cryptobiotic																																		1																			1	2	
Physical Features																																																					
Litter															1																																								
Rock																																																				1	2	
Bare Ground	1	1						1				1	1	1			1	1		1	1	1	1	1					1	1	1	1	1	1			1	1		1				1	1	1			1	1	0	0	
																																																				27	54	
Total Physical Features	1	1	0	0	0	0	0	1	0	0	0	1	1	1	1	0	1	1	0	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1	0	0	1	1	0	1	0	0	0	1	1	1	0	0	1	1		
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	28	56
Comments:																																																				50	100

Horse Canyon Revegetation Project Tally Sheet

Date:6/6/05 | Area:Pond | Transect:2 | UTM:5550004587481 | Heading:15 | Coordinates:

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens																																												1	1	1			1	1	5	10	13.16
Atriplex confertifolia																																																		0	0	0.00
Artemisia nova																																																		0	0	0.00
Artemisia tridentata tridentata																																											1							1	2	2.63
Chrysothamnus nauseosus		1					1																						1	1																				4	8	10.53
Chrysothamnus viscidiflorus																																	1	1																2	4	5.26
Cowania mexicana																																																		0	0	0.00
Coretolides lanata								1																																										1	2	2.63
Ephedra viridis																																																		0	0	0.00
Sarcobatus vermiculatus																																																	0	0	0.00
Gutierrezia sarothrae																																																				
Total Shrubs Cover	0	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	1	0	0	0	0	0	0	0	0	1	1	1	1	0	0	1	1	13	26	34.21
Forbs & Succulents																																																					
Globe Mallow																																																				
Machaeranthera canescens	1																																																		0	0	0.00
Medicago sativa																																																			1	2	2.63
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Tumble Mustard																								1	1																												0	0	0.00
																																																			2	4	5.26
Total Forb Cover	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	6	7.89
Grass																																																					
Agropyron smithii																																																				
Agropyron spicatum																																																			0	0	0.00
Agropyron cristatum																																																			0	0	0.00
Agropyron trachycaulum																																																			0	0	0.00
Bromus tectorum							1				1	1	1	1	1	1	1	1	1	1	1	1	1	1									1			1	1	1	1											19	38	50.00
Elymus elimus																																																			0	0	0.00
Elymus cinereus																																																			0	0	0.00
Elymus giganteus																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Sitanion hystrix																															1																				1	2	2.63
Stipa comata																																																			0	0	0.00
																																																			0	0	0.00
Total Grass Cover	0	0	0	0	0	0	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	1	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	20	40	52.63
Trees																																																					
Juniper			1	1																																																	
Pinon																																																				2	4	5.26
																																																			0	0	0.00
Total Tree Cover	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	5.26
Total Vegetation Cover	1	1	1	1	0	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1	0	0	38	76	100.00
Cryptobiotic																																																					
																																																			0	0	
Physical Features																																																					
Litter																																																					
Rock																										1																												
Bare Ground				1				1	1																			1	1																						2	4	
																																																			0	0	
																																																			10	20	
Total Physical Features	0	0	0	0	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	12	24	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	
Comments:																																																					

Horse Canyon Revegetation Project Tally Sheet

Date:8/08/03 | Area:Pond | Transect:3 | UTM:0550540/4367419 | Heading:187 | Coordinates:

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens											1								1	1			1	1				1	1	1	1																				9	18	33.33
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata												1															1															1	1	1								5	10	18.52
Chrysothamnus nauseosus																																																			0	0	0.00
Chrysothamnus viscidiflorus																																																	1	1	2	3.70
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
																																												1							1	2	3.70
Total Shrubs Cover	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1	0	0	1	1	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	0	16	32	59.26
Forbs & Succulents																																																						
Mechaeranthera canescens																																																					
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																										1																											1	2	3.70
																																																			0	0	
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3.70
Grass																																																					
Agropyron smithii																																																					
Agropyron spicatum		1	1					1	1																																										0	0	0.00
Agropyron orientalum																						1																														5	10	18.52
Agropyron trachycaulum																																																			0	0	0.00
Bromus tectorum				1													1	1																																		0	0	0.00
Elymus cinereus																																																			5	10	18.52
Elymus elymoides																																																			0	0	0.00
Elymus gigenteus																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
																																																			0	0	
Total Grass Cover	0	1	1	1	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	10	20	37.04
Trees																																																					
Juniper																																																					
Pinon																																																			0	0	0.00
																																																		0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	0	1	1	1	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	1	1	1	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	1	1	0	27	54	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																					
Litter	1																			1					1																														
Rock																																		1	1																8	12	
Bare Ground					1	1	1	1					1	1	1	1														1	1	1			1	1	1	1					1	1					1	17	34	
Total Physical Features	1	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	1	1	0	0	1	25	46	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	
Comments:																																																					

Horse Canyon Revegetation Project Tally Sheet

Date:8/08/03 | Area:Pond | Transect:4 | UTM:5580094387584 | Heading:184 | Coordinates:

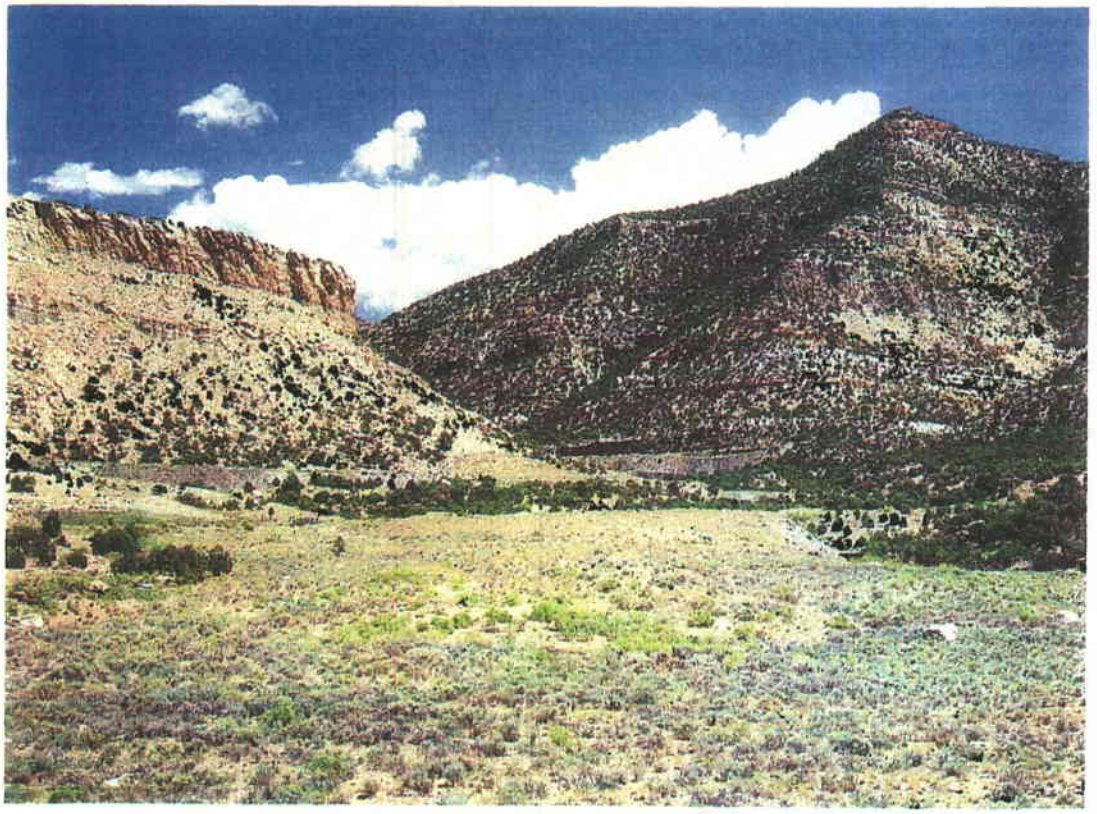
Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens																																																			0	0	0.00
Atriplex confertifolia																																																		0	0	0.00
Artemisia nova																																																		0	0	0.00
Artemisia tridentata tridentata																																																		0	0	0.00
Chrysothamnus nauseosus																												1						1				1												3	6	10.71
Chrysothamnus viscidiflorus																																							1											1	2	3.57
Cowania mexicana																																																		0	0	0.00
Ceratoides lanata																																																		0	0	0.00
Ephedra viridis																																																		0	0	0.00
Sarcobatus vermiculatus																																																		0	0	0.00
Gutierrezia sarothrae					1	1												1	1								1																				1			6	12	21.43
Total Shrubs Cover	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	0	0	0	1	1	0	0	0	0	0	0	0	1	0	0	0	10	20	35.71
Forbs & Succulents																																																		0	0	0.00
Machaeranthera canescens																																																		0	0	0.00
Medicago sativa																																																		0	0	0.00
Melilotus officinalis																																																		0	0	0.00
Penstemon palmeri																																																		0	0	0.00
Sphaeralcia coccinea																																																		0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grass																																																					
Agropyron smithii																																																			0	0	0.00
Agropyron spicatum			1	1													1																																		3	6	10.71
Agropyron cristatum																																																		0	0	0.00
Agropyron trachycaulum																																																		0	0	0.00
Bromus tectorum																																																		0	0	0.00
Elymus salinus							1	1						1	1	1																	1	1															7	14	25.00
Elymus cinereus																																																		0	0	0.00
Elymus giganteous																																																		0	0	0.00
Hilaria jamesii																																																		0	0	0.00
Oryzopsis hymenoides																				1	1																										1	1	1	1			1	1	8	16	28.57
Sitanion hystrix																																																		0	0	0.00
Stipa comata																																																		0	0	0.00
Total Grass Cover	0	0	1	1	0	0	1	1	0	0	0	0	0	1	1	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	1	1	1	0	0	1	1	18	36	64.29
Trees																																																				
Juniper																																																		0	0	0.00
Pinon																																																		0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	0	0	1	1	1	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	1	1	0	0	0	0	0	1	0	1	1	1	1	0	0	0	1	1	1	1	1	0	1	1	28	56	100.00
Cryptobiotic																												1								1															2	4	
Physical Features																																																				
Litter																																																			1	2	
Rock	1							1																		1							1																	4	8	
Bare Ground		1								1	1	1	1										1	1	1	1				1	1	1													1	1				1			15	30	
Total Physical Features	1	1	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	1	1	1	1	0	0	0	0	0	0	1	1	1	0	0	0	0	0	1	0	0	20	40	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	

Comments:

Appendix III-1-6

Horse Canyon Vegetation Survey 2004

Horse Canyon Vegetation Survey - 2004



Submitted by
Mike King, Ph.D.

July30, 2005

Abstract

A vegetation inventory was conducted on 6 revegetation sites on the Horse Canyon Mine property between June and August, 2004. Data were collected regarding percent cover, percent cover by species, and woody plant density at each site. Data were also collected from a reference site located on Bureau of Land Management property adjacent to mine property. Revegetated sites were compared to the reference area with respect to cover and woody plant density to determine similarity. All sites cover averages exceed the cover average for the reference site and should be judged to have satisfactorily exceeded minimum requirements with respect to cover. Woody plant density in all revegetated sites exceeded woody plant density in the reference area. Species diversity was also higher in all revegetated areas when compared to the reference area. Life form similarity comparisons indicated that in almost every case, the revegetated areas exceeded the 70% standard with respect to percent cover.

Table of Contents

Page

Abstract 2

Table of Contents 3

List of Tables 4

Introduction 5

Materials and Methods 5
- Percent Cover 6
- Woody Plant Density 6
- Similarity 7
- Species Diversity 8

Results 8
- Percent Cover 9
- Woody Plant Density 11
- Species Diversity 13
- Similarity 20

References 23

Appendices 24

- Appendix 1 - Cover Data 24
- Appendix 2 - Shrub Density Data 25
- Appendix 3 - Diversity and Similarity Data 26

List of Tables

Page

Table 1. Survey Sites and Descriptions 6

Table 2. Minimum Sample Sizes..... 7

Table 3. Horse Canyon Average Cover Summary 9

Table 4. Horse Canyon Average Woody Plant Densities 11

Table 5. Species Lists for Horse Canyon Inventory Area..... 13

Table 6. Grasses and Shrubs with % Cover > 5% 15

Table 7. Species Diversity Tables..... 17

Table 8. Similarity Comparison - Species Diversity..... 21

Table 9. Life Form Similarity Index Comparisons based on Cover..... 21

Introduction

In June of 2004, fieldwork was initiated and continued through August 2004 to document vegetation condition of a reference area and 6 representative revegetated sites on the Horse Canyon Mine property. It also was conducted to fulfill the sampling requirement for year 10 of reclamation and to substantiate that the vegetation requirements were met for Phase II bond release.

The project included vegetation surveys of 6 revegetated sites and a reference area established in 1985 according to Utah Division of Oil, Gas, and Mining (DOGM) permitting requirements. Data collection included percent cover, percent cover by species, woody plant density, and species diversity for each site. Similarity indices were to be calculated between revegetated sites and the reference area to determine if the revegetation efforts have satisfactorily met prescribed revegetation standards determined as part of the Horse Canyon Mine reclamation plan.

The information below includes summary and analyses of these vegetation surveys.

Materials and Methods

Six revegetation sites were selected for analysis based on previous survey work conducted on the mine property in 1995 (Table 1). These areas were selected based on revegetation treatment, slope, aspect, and general topographic similarities. The sites correspond to reclamation treatment areas in the horse Canyon Mine reclamation plan. The reference area, located adjacent to the Horse Canyon mine property on Bureau of Land Management land, was selected several years ago as the revegetation plan was established. The Vegetation Surveys were carried out according to the Division of Oil, Gas and Mining (DOGM) vegetation sampling methods (February 1992 Revised DOGM Vegetation Information Guidelines). Data collected during the surveys were used to determine ground cover, cover by species, and woody plant density. A comparison of the reference areas and revegetated areas was made to determine similarity of the 2 areas.

Table 1. Horse Canyon Vegetation Survey Sites*	
Site Number	**Description**
3	North-facing slope
6	South-facing slope
7	Rabbitbrush treatment; South-facing slope
11,13,14	Flat topography near canyon mouth
16	Borrow pit area
15, 17	Former refuse pile and landfill area
Reference Area	Mature Pinon - Juniper Woodland

* See Appendix 3 for photographs of each site

Percent Cover

The point-intercept method was used to sample cover. A total of 15 - 100 ft sampling transects were run at each revegetation site to determine percent cover. Transects were located using coordinates selected from a random number table. Coordinates were paced off and a compass direction was selected using the random number table as well. Once transect start point and compass direction were established, investigators laid out a 100 ft tape in the appropriate direction and then walked the length of the tape to record vegetation. Investigators took samples at 2ft intervals along the length of the tape. A total of 50 points were recorded for each transect. Similar methods were used in the reference area.

Cover categories included: 1) Physical Features including a) bare ground (rock or soil material less < 12 inches in diameter), b) litter (dead plant material lying on ground surface), c) rock (rock material >12 inches in diameter), 2) Cryptobiotic Soil, 3) Vegetation including a) shrubs b) forbs and succulents (cactus species), c) grasses, and d) trees. When possible, plants were identified to species level. Points were selected by viewing the transect at 2 foot intervals with an ocular viewing device with cross hairs. When there was an overhead canopy, verticle projections were made above the 100 ft tape to include the highest level of vegetation in the sample.

Adequacy of sample size was determined as per DOGM guidelines (DOGM 1992); see Table 2. Sample adequacy for cover was met at the 90% confidence level with a 10% change in the mean as required by DOGM. Fifteen transects were run in the

reference area even though sample adequacy suggested that 16 transects be run to keep consistency with the numnber of transects run in revegetated areas.

Table 2. Minimum sample sizes		
Area	**Cover**	**Woody Plant Density**
Reference	16.60	155.33
3	1.46	33.26
6	1.62	38.67
7	1.31	63.10
11/13/14	5.38	47.51
15/17	3.35	54.32
16	3.38	80.32

Woody Plant Density

Woody plant densities were estimated using the belt transect method (DOGM 1992). A total of 15 - 100 ft X 10 ft transects were run in each area to determine woody plant density. Transects were located using coordinates selected from a random number table. Coordinates were paced off and a compass direction was selected using the random number table as well. Once transect start point and compass direction were established, investigators walked the length of the transect and recorded species of all individual shrubs rooted in each belt. Total number of plants per acre was calculated using DOGM guidelines. Minimum sample sizes for adequacy ranged from 33 to 155 (Table 2). To keep sampling consistent and avoid excessive disturbance to sites, shrub densities were estimated using the minimum of 15 transects as was done in previous vegetation surveys.

Similarity

Similarity of revegetated sites and the reference area with respect to species composition was determined using the Jaccard's Community Coefficient (DOGM

1992). The index of similarity is calculated by:

SI = C/(A + B - C) * 100

where:

A = number of species in the reference area
B = number of species in the revegetated area
C = number of species common to both sites

Species Diversity

Species diversity lists of all sites were compiled based on data collected during cover sampling. Also, similarity of sites with respect to cover was based on Jaccard's Similarity Index:

SI = Cover (%) for Life Forms/Total Vegetation Cover

where:

Life forms = Shrubs, Forbs, or Grasses.

SI values for each life form were calculated for the reference area and each revegetation site. If the SI value of the revegetation area equaled or exceeded 70% of the reference area value it was judged to be successful.

Results

The survey was conducted during the seventh year of abnormally dry weather in Utah and the western United States. Annual precipitation at the Sunnyside City Center weather station (approximately 7 miles north of Horse Canyon) and the Price Warehouses weather station (approximately 30 miles west of horse Canyon) was below long-term averages for both sites. The precipitation for the 2004 water year (Oct 1, 2003-Sept 31,2004) at Sunnyside was 12.72 inches compared to the 30 year average of 13.87 inches. Similarly annual precipitation for the Price Warehouses station for the 2004 water year was 8.31 inches or 85% of the normal (Utah Climate Center records, Utah State University, Logan, Utah). This pattern is typical of most regions in Utah due to several years of drought throughout the state. This prolonged period of reduced moisture has no doubt had an effect on plant production and

survival throughout the state and the eastern Utah area. *Signs of significant shrub death was evident in all study sites.*

Though plant growth was likely limited during the year, there were no signs of disease or insect damage and plants generally appeared to be in good health.

As with the vegetation study conducted in 2003, all areas showed some use by livestock. Cattle sign was found in all areas, though the use was not extensive. Plants showed no signs of overgrazing. It is assumed that the used was limited to the few days livestock operators in the area moved their cattle to and from summer range in the Range Creek area. Mule deer sign was also observed in all revegetated areas as well as the reference area. Chukar partridges were heard in or near areas 16, 15/17, and 11/13/14. A group of 5 Rocky Mountain bighorn ewes was seen in a site close to area 11/13/14 in July 2004.

Percent Cover

Reference Area

Cover data for the Horse Canyon reference area are included in Table 3 (data for each transect are included in Appendix 1). The average vegetation cover for the Reference area was 43.20%. The vegetative component was comprised of 24.00% trees, 15.60% grasses, 1.87% percent shrubs, and 1.73% forbs and succulents (for relative percent vegetation for each transect see Appendix 1).

Table 3. Horse Canyon Average Cover Summary*

Cover Type	Area						
	Ref	**3**	**6**	**7**	**11,13,14**	**15,17**	**16**
Shrubs	1.87 *1.00*	51.87 *33.07*	40.40 *33.60*	56.00 *49.87*	28.80 *24.80*	37.07 *34.27*	27.20 *15.73*
Forbs	1.73 *0.73*	2.93 *6.53*	0.93 *0.93*	2.67 *1.60*	2.00 *1.33*	0.13 *1.20*	3.47 *8.40*
Grasses	15.60 *10.53*	33.73 *46.53*	44.00 *54.53*	25.47 *25.87*	50.13 *42.80*	33.60 *41.87*	42.00 *42.13*
Trees	24.00 *20.57*	0 *0*	0 *0*	0 *0*	0 *0*	0 *0*	0 *0*
Total Vegetation	43.20 *32.83*	88.53 *86.13*	85.33 *89.07*	83.73 *77.33*	80.93 *72.53*	70.80 *77.33*	74.13 *66.27*

Cryptobiotic	10.13 *5.4*	0.27 *0.13*	0.27 *0.53*	0 *0*	0.27 *0.53*	0 *0*	0 *0.13*
Physical Features	49.73 *60.60*	11.20 *13.73*	14.40 *10.13*	16.27 *22.27*	18.80 *26.93*	29.20 *22.67*	25.87 *33.60*

* Italicized values are from the 2003 vegetation survey report

Area 3

The average vegetation cover for Area 3 was 88.53%. The vegetative component was comprised of 51.87% shrubs, 2.93% forbs and succulents, and 33.73% grasses, (Appendix 1; for relative percent vegetation for each transect also see Appendix 1.

Area 6

The average vegetation cover for Area 6 was 85.33%. The vegetative component was comprised of 340.40% shrubs, 0.93% forbs and succulents, and 44.00% grasses, Appendix 1; for relative percent vegetation for each transect also see Appendix 1).

Area 7

The average vegetation cover for Area 7 was 83.73%. The vegetative component was comprised of 56.00% shrubs, 2.67% forbs and succulents, and 25.47% grasses, (Appendix 1; for relative percent vegetation for each transect also see Appendix 1).

Area 11,13,14

The average vegetation cover for Area 11/13/14 was 80.93%. The vegetative component was comprised of 28.80% shrubs, 2.00% forbs and succulents, and 50.13% grasses, (Appendix 1; for relative percent vegetation for each transect also see Appendix 1).

Area 15,17

The average vegetation cover for Area 15/17 was 70.80%. The vegetative component was comprised of 37.07% shrubs, 0.13% forbs and succulents, and 33.60% grasses, (Appendix 1; for relative percent vegetation for each transect also see Appendix 1).

Area 16

The average vegetation cover for Area 16 was 74.13%. The vegetative component was comprised of 27.20% shrubs, 3.47% forbs and succulents, and 42.00% grasses,

(Appendix 1; for relative percent vegetation for each transect also see Appendix 1).

In order to meet the revegetation plan success standard, 90% of undisturbed reference area, each site should meet or exceed 38.88% cover. Since all sites cover averages exceed the minimum requirement, it should be judged that the treatments have been satisfactory with respect to percent cover as was the case for the year 9 vegetation survey.

Woody Plant Density

Woody plant density data for the Horse Canyon reference area are included in Table 4 (data for each transect are included in Appendix 2).

Table 4. Horse Canyon Woody Plant Densities (plants/acre)

Area	Average	Std. Dev.	90% Confidence Interval	Min. - Max.
Reference	1112.23	787.16	334.31	777.92 - 1446.54
3	1794.67	587.70	249.60	1545.07 - 2044.27
6	3905.88	1379.32	585.80	3320.08 - 4491.68
7	4817.74	2173.13	922.93	3894.81 - 5740.67
11/13/14	1542.02	603.54	256.32	1285.70 - 1798.34
15/17	2247.70	940.73	399.53	1848.17 - 2647.23
16	2572.94	1309.44	556.12	2016.82 - 3129.06
Revegetated Areas Average	2813.49	1283.97	545.30	2268.19 - 3358.79

Reference Area.

The Reference area was the least populated area with respect to woody plants. Including tree species, plants/acre ranged from 479.16 to 2657.16, with an average of 1112.23 (90% confidence intervals are also listed in Table 4). The most predominant woody plants in the Reference area were Snakeweed (*Gutierrezia sarothrae* - 763.75 plants/acre, 68.67%) and Utah Juniper (*Juniperus osteosperma* - 258.46 plants/acre, 23.23%).

Area 3.

Area 3 had an average plants/acre of 1794.67 (90% confidence intervals are listed in Table 4). Individual transect values ranged from 958.32 - 3223.44. The site was dominated by Sagebrush (*Artemisia tridentata* - 813.12 plants/acre, 45.30%), Four Wing Saltbush (*Atriplex canescens* - 743.42 plants/acre, 41.42%), and Big Rabbitbrush (*Chrysothamnus nauseosus* - 136.48 plants/acre, 7.60%).

Area 6.

Area 6 had an average plants/acre of 3905.88 (90% confidence intervals are listed in Table 4). Individual transect values ranged from 2003.76 - 5314.32. The site was dominated by Sagebrush (*Artemisia tridentata* - 1591.39 plants/acre, 40.74%), Four Wing Saltbush (*Atriplex canescens* - 1269.05 plants/acre, 32.49%), Winterfat (*Ceratoides lanata* - 10.56%), and Douglas Rabbitbrush (*Chrysothamnus viscidiflorus* - 264.26 plants/acre, 6.77%).

Area 7.

Area 7 had an average plants/acre of 4817.74 (90% confidence intervals are listed in Table 4). Individual transect values ranged from 3615.48 - 10846.44. The site was dominated by Sagebrush (*Artemisia tridentata* - 33232.15 plants/acre, 67.09%) and Four Wing Saltbush (*Atriplex canescens* - 1097.71 plants/acre, 22.78%).

Area 11,13,14.

Area 11/13/14 had an average plants/acre of 1542.02 (90% confidence intervals are listed in Table 4). Individual transect values ranged from 522.72 - 2831.40. The site was dominated by Sagebrush (*Artemisia tridentata* - 354.29 plants/acre, 22.98%) and Four Wing Saltbush (*Atriplex canescens* - 990.26 plants/acre, 64.22%).

Area 15,17.

Area 11/13/14 had an average plants/acre of 2247.70 (90% confidence intervals are listed in Table 4). Individual transect values ranged from 435.60 - 3659.04. The site was dominated by Sagebrush (*Artemisia tridentata* - 1042.54 plants/acre, 46.38%) and Four Wing Saltbush (*Atriplex canescens* - 772.46 plants/acre, 34.37%).

Area 16.

Area 11/13/14 had an average plants/acre of 2572.94 (90% confidence intervals are listed in Table 4). Individual transect values ranged from 784.084835.16 - 4094.64. The site was dominated by Sagebrush (*Artemisia tridentata* - 972.84 plants/acre, 37.81%), Four Wing Saltbush (*Atriplex canescens* - 891.53 plants/acre, 34.65%), Big Rabbitbrush

(*Chrysothamnus nauseosus* - 360.10 plants/acre, 14.00%), and Shadscale (*Atriplex confertifolia* - 241.03, 9.37%) .

Average of all Treatment Areas

An average was calculated combining data for all treatment areas. The average woody plant plants/acre when considering all treatment areas was 2813.49. Calculation of a 90% confidence interval indicates that we can be 90% confident that the actual mean of the population lies between 2268.19 - 3358.79 plants/acre.

With respect to woody plant density, only 2 sites did not clearly exceed the standard of 2000 plants/acre established in the revegetation plan for the Horse Canyon area. Area 6 (3905.88), Area 7 (4817.74), Area 15/17 (2247.70), and Area 16 (2572.94) all exceeded 2000 plants per acre. Areas 3 (1794.67; 90% confidence interval: 1545.07 - 2044.27) and 11/13/14 (1542.02; 90% confidence interval; 1285.70 - 1798.34) both have averages below 2000. Considering the confidence intervals, only Area 11/13/14 falls clearly below the 2000 shrubs/acre standard. However, when compared to the Reference area (1112.23), even areas 3 and 11/13/14 far exceed the undisturbed site with respect to woody plants/acre. Given these data, the woody plant density treatments should be characterized as relatively successful.

Species Diversity

Lists of species for the Reference area and each of the revegetation sites is listed in Table 5. All comparisons show more total species in each of the revegetated sites than in the Reference area.

Table 5. Species Lists for Horse Canyon Inventory Area

Species	Site						
	Ref.	**3**	**6**	**7**	**11/ 13/14**	**15/ 17**	**16**
Shrubs							
Artemisia nova		x	x	x		x	
Artemisia tridentata		x	x	x	x	x	x
Atriplex canescens		x	x	x	x	x	x
Atriplex confertifolia			x	x		x	x
Ceratoides lanata			x	x	x	x	x
Chrysothamnus nauseosus		x	x	x	x	x	x
Chrysothamnus viscidiflorus		x	x	x	x		x

Cowania mexicana		x		x	x		
Ephedra viridis							
Gutierrezia sarothrae	x	x	x	x	x	x	x
Sarcobatus vermiculatus	x		x		x	x	
Forbs & Succulents							
Echinocereus triglochidiatus							
Medicago sativa					x		x
Meliotus officinalis		x					
Penstemon palmeri		x	x	x	x		x
Euphorbia fendleri	x				x		
Sisymbrium altissimum		x	x	x			
Sphaeralcia coccinea	x			x	x		
Grindelia squarrosa		x	x		x		
Machaerantha canescens	x	x	x		x	x	x
Phlox sp.	x						
Plantago patagonica	x						
Opuntia compressa	x						
Grasses							
Agropyron cristatum		x			x		x
Agropyron smithii		x	x				
Agropyron spicatum		x	x	x	x	x	x
Bromus inermis			x				
Bromus japonicus							
Bromus tectorum	x	x	x	x	x	x	x
Elymus cinereus		x	x	x	x	x	x
Elymus gigantius		x	x		x	x	
Elymus salinus	x		x		x	x	
Hilaria jamesii			x			x	
Oryzopsis hymenoides			x	x	x	x	x

Sitanion hystrix			x	x			
Stipa comata				x			
Vulpia octaflora							
Trees							
Juniperus osteosperma	x						
Pinus edulis	x						
Total Species in each area	12	18	23	18	21	16	15

Also in each revegetation site, there were more species with greater than 5% cover than in the Reference area. The Reference area had a total of 12 species with 2 species, Utah juniper (20.54%) and Salina wild rye (13.74%), with percent cover greater than 5%. *Only 2 species, 1 tree and 1 grass, exceeded 5%.* See summary of shrubs and grasses that exceeded 5% cover in Table 6.

Table 6. Grasses and Shrubs with % Cover > 5%

Site	Shrubs > 5% cover		Grasses > 5% cover	
Reference 1 grass	none		Salina wild rye (13.74%)	
Area 3 3 shrubs 1 grass	Big sagebrush Four-wing saltbush Douglas rabbitbrush *Green rabbitbrush*	(26.26%) (25.06%) (5.06%) *(3.06%)*	Giant wild rye	(16.80%)
Area 6 2 shrubs 2 grasses	Four-wing saltbush Big sagebrush *Winterfat* *Green rabbitbrush*	(18.60%) (11.46%) *(3.34%)* *(2.66%)*	Bluebunch wheatgrass Cheatgrass	(26.66%) (12.80%)
Area 7 2 shrubs 2 grasses	Big sagebrush Four-wing saltbush	(29.46%) (21.06%)	Cheatgrass Bluebunch wheatgrass	(16.94%) (5.46%)

Area 11/13/14 2 shrubs 2 grasses	Four-wing saltbush Big sagebrush *Green rabbitbrush*	(9.87%) (4.80%) *(3.46%)*	Bluebunch wheatgrass Cheatgrass	(27.06%) (18.94%)
Area 15/17 2 shrubs 2 grasses	Big sagebrush Four-wing saltbush	(16.40%) (15.60%)	Bluebunch wheatgrass Cheatgrass	(22.40%) (9.74%)
Area 16 2 shrubs 2 grasses	Four-wing saltbush Big sagebrush *Douglas rabbitbrush* *Shadscale*	(13.74%) (7.60%) *(3.20%)* *(2.94%)*	Blue bunch wheatgrass Cheatgrass	(28.40%) (13.20%)

Area 3 had a total of 18 species with 5 species, Big sagebrush (26.26%), Fourwing saltbush (25.06%), Bluebunch wheatgrass (20.14%), Giant wild rye (16.80%), and Green rabbitbrush (5.06%) with percent cover greater than 5%. *Five species, 3 shrubs and 2 grasses, exceeded 5%.*

Area 6 had a total of 23 species with 4 species, Bluebunch wheatgrass (26.66%), Fourwing saltbush (18.60%), Cheat grass (12.80%), and Big sagebrush (11.46%) with percent cover greater than 5%. *Four species, 2 shrubs and 2 grasses (one of the grasses was the undesirable Cheat grass), exceeded 5%.* Two additional shrub species Winterfat (3.34%) and Green rabbitbrush (2.66%) were also relatively abundant.

Area 7 had a total of 18 species with 4 species, Big sagebrush (29.46%), Fourwing saltbush (21.06%), Cheat grass (16.94%), and Bluebunch wheatgrass (5.46%) with percent cover greater than 5%. *Four species, 2 shrubs and 2 grasses (one of the grasses was the undesirable Cheat grass), exceeded 5%.*

Area 11/13/14 had a total of 21 species with 4 species, Bluebunch wheatgrass (27.06%), Fourwing saltbush (19.74%), Cheat grass (18.94%), and Big sagebrush (4.80%) with percent cover greater than 5%. *Four species, 2 shrubs and 2 grasses (one of the grasses was the undesirable Cheat grass), exceeded 5%.* In addition, Green rabbitbrush (3.46%) was also relatively abundant.

Area 15/17 had a total of 16 species with 4 species, Bluebunch wheatgrass (22.40%), Big sagebrush (16.40%), Fourwing saltbush (15.60%), and Cheatgrass (9.74%)with percent cover greater than 5%. *Four species, 2 shrubs and 2 grasses (one of the grasses was the undesirable Cheat grass) exceeded 5%.*

Area 16 had a total of 15 species with 4 species, Bluebunch wheatgrass (28.40%), Fourwing saltbush (13.74%), Cheatgrass (13.20%), and Big sagebrush (7.6%) with percent cover greater than 5%. *Four species, 2 shrubs, 2 grasses (one of the grasses was the undesirable Cheat grass) exceeded 5%.* In addition, Green rabbitbrush (3.20%) and Shadscale (2.94%) were relatively abundant.

Species diversity with respect to percent cover by species is recorded in Table 7 for each site.

Table 7. Species Diversity Tables

Reference Area (12 total species)		**Area 3 (18 total species)**	
	Species (% cover)		**Species (% cover)**
> 20 %	Juniperus osteosperma (20.54)	> 20%	*Artemisia tridentata (26.26)*
			Atriplex canescens (25.06)
			Agropyron spicatum (20.14)
10 - 20%	*Elymus salinus (13.74)*	10 - 20%	*Elymus giganteous (16.80)*
5 - 10 %		5 - 10 %	*Chrysothamnus nauseosus (5.06)*
1 - 5%	*Pinus edulis (3.46)*	1 - 5%	*Chrysothamnus viscidiflorus (3.06)*
	Gutierezzia sarothrae (1.60)		*Penstemon palmeri (2.14)*
< 1%	*Opuntia compressa (0.66)*	< 1%	*Cowania mexicana (0.80)*
	Bromus tectorum (0.40)		*Agropyron smithii (0.54)*
	Phlox sp. (0.40)		*Elymus cinereus (0.40)*
	Sphaeralcia coccinea (0.26)		*Meliotus officianalis (0.26)*
	Euphorbia fendleri (0.14)		*Maecharantha canescens (0.26)*
	Elymus cinereus (0.14)		*Agropyron cristatum (0.14)*
	Maecharantha canescens (0.14)		*Artemisia nova (0.14)*
	Plantago patagonica (0.14)		*Bromus tectorum (0.14)*
			Grindelia squarrosa (0.14)
			Gutierezzia sarothrae (0.14)
			Sysimbrium altissimum (0.14)

Table 7. Species Diversity Tables (cont.)			
Area 6 (23 total species)		**Area 7 (18 total species)**	
	Species (% cover)		**Species (% cover)**
> 20 %	*Agropyron spicatum (26.66)*	> 20%	*Artemisia tridentata (29.46)*
			Atriplex canescens (21.06)
10 - 20%	*Atriplex canescens (18.60)*	10 - 20%	*Bromus tectorum (16.94)*
	Bromus tectorum (12.80)		
	Artemisia tridentata (11.46)		
5 - 10 %		5 - 10 %	
1 - 5%	*Ceratoides lanata (3.34)*	1 - 5%	*Agropyron spicatum (5.46)*
	Chrysothamnus viscidiflorus (2.66)		*Atriplex confertifolia (2.14)*
	Elymus salinus (2.46)		*Chrysothamnus viscidiflorus (2.14)*
	Gutierrezia sarothrae (1.60)		*Sphaeralicia coccinea (1.60)*
	Artemisia nova (1.20)		*Oryzopsis hymenoides (1.56)*
	Atriplex confertifolia (1.20)		*Gutierrezia sarothrae (1.06)*
			Stipa comata (1.06)
< 1%	*Oryzopsis hymenoides (0.54)*	< 1%	*Penstemon palmeri (0.66)*
	Agropyron smithii (0.40)		*Chrysothamnus nauseosus (0.26)*
	Elymus gigantius (0.40)		*Sysimbrium altissimum (0.26)*
	Chrysothamnus nauseosus (0.26)		*Artemisia nova (0.14)*
	Grindelia squarrosa (0.26)		*Ceratoides lanata (0.14)*
	Hilaria jamesii (0.26)		*Cowania mexicana (0.14)*
	Maecharantha canescens (0.26)		*Elymus cinerius (0.14)*
	Penstemon palmeri (0.26)		*Sitanion hystrix (0.14)*
	Bromus inermis (0.14)		
	Elymus cinereus (0.14)		
	Sarcobatus vermiculatum (0.14)		
	Sitanion hystrix (0.14)		
	Sisymbrium altissima (0.14)		

Table 7. Species Diversity Tables (cont.)			
Area 11/13/14 (20 total species)		**Area 15/17 (16 total species)**	
	Species (% cover)		**Species (% cover)**
> 20 %	*Agropyron spicatum (27.06)*	> 20%	*Agropyron spicatum (22.40)*
10 - 20%	*Atriplex canescens (19.94)*	10 - 20%	*Artemisia tridentata (16.40)*
	Bromus tectorum (18.94)		*Atriplex canescens (15.60)*
5 - 10 %		5 - 10 %	*Bromus tectorum (9.74)*
1 - 5%	*Artemisia tridentata (4.80)*	1 - 5%	*Gutierrezia sarothrae (1.86)*
	Chrysothamnus viscidifloris (3.46)		*Sarcobatus vermiculatus (1.46)*
	Oryzopsis hymenoides (1.46)		
	Agropyron cristatum (1.34)		
< 1%	*Elymus cinerius (0.80)*	< 1%	*Chrysothamnus nauseosus (0.94)*
	Medicago sativa (0.66)		*Elymus gigantius (0.54)*
	Ceratoides lanata (0.54)		*Oryzopsis hymenoides (0.40)*
	Maecharantha canescens (0.54)		*Artemisia nova (.26)*
	Chrysothamnus nauseosus (0.40)		*Atriplex confertifolia (0.26)*
	Gutierezzia sarothrae (0.40)		*Ceratoides lanata (0.26)*
	Penstemon palmeri (0.40)		*Elymus salinus (0.26)*
	Sarcobatus vermiculatus (0.40)		*Elymus cinereus (0.14)*
	Cowania mexicana (0.26)		*Hilaria jamesii (0.14)*
	Elymus gigantius (0.26)		*Maecharantha canescens (0.14)*
	Elymus salinus (0.26)		
	Grindelia squarrosa (0.14)		
	Phacelia crenulata (0.14)		
	Sphaeralcia coccinea (0.14)		

Table 6. Species Diversity Tables (cont.)	
Area 16 (15 total species)	
	Species (% cover)
> 20 %	*Agropyron spicatum (28.40)*
10 - 20%	*Atriplex canescens (13.74)*
	Bromus tectorum (13.20)
5 - 10 %	*Artemisia tridentata (7.60)*
1 - 5%	*Chrysothamnus nauseosus (3.20)*
	Atriplex confertifolia (2.94)
	Medicago satvia (1.86)
	Penstemon palmeri (1.06)
< 1%	*Elymus cinerius (0.66)*
	Ceratoides lanata (0.54)
	Oryzopsis hynmenoides (0.54)
	Agropyron cristatum (0.40)
	Chrysothamnus viscidifloris (0.40)
	Gutierezzia sarothrae (0.40)
	Maecharantha canescens (0.40)

Similarity

Comparisons of similarity made between the Reference area and revegetated sites indicates that there are only minor similarities between the revegetated sites and the Reference area (Table 8). Similarity coefficients ranged from 11.11 (area 7) to 26.92 (area 11/13/14). See similarity comparisons between the reference area and revegetated areas in Appendix 3. Similarity is strong when values approach 100. Given the revegetation treatments, it is not surprising that the areas are dissimilar with respect to species.

Table 8. Similarity Comparisons - Species Diversity				
Site	Number of Species in Reference Area	Number of Species in Revegetation Site	Number of Species Common to both	Similarity Coefficient
Area 3	12	17	3	11.54
Area 6	12	23	5	16.67
Area 7	12	18	3	11.11
Area 11/13/14	12	21	7	26.92
Area 15/17	12	16	5	21.73
Area 16	12	15	3	12.50

Areas were also different with respect to overall vegetation cover. In each instance, the revegetated areas were more densely vegetated than the reference area. The average percent cover for the Reference area was 43.20%. Percent vegetation cover for the revegetation sites ranged from 70.80% to 88.53% (Table 3).

Life Form Similarity Comparisons

Vegetation treatments have been judged to be successful when cover values of life forms (Shrubs, Forbs, Grasses) in treatment areas are greater or equal to 70% between recliamed areas and the undisturbed reference area. A Jaccard's similarity index for cover (SI=Cover(%) for Life Forms/Total Vegetation Cover (%)) was used to calculate comparative SI values for life forms in revegetated and reference areas (Table 9). Cover values are found in Table 3.

Table 9. Life Form Similarity Index Comparisons based on Cover*								
Life Form	Similarity Index Values by Site							
	Ref	70%	3	6	7	11/13/14	15/17	16
Shrubs	.04	.028	.59*	.47*	.67*	.36*	.52*	.37*
Forbs	.04	.028	.03*	.01	.03*	.02	.01	.05*
Grasses	.36	.252	.38*	.52*	.30*	.62*	.47*	.57*

* Sites that exceed the 70% standard

The comparison of life forms similarity indicates that revegetated areas meet or exceed the 70% standard for almost all life forms in each of the revegetated sites. The revegetated sites all exceeded the 70% standard for both shrubs and grasses. The exceptions were in the forb category. Forbs did not exceed the 70% standard in 3 of the 6 revegetated sites; specifically sites 6, 11/13/14, and 15/15. Given that these are the only 3 treatments of 18 total (17% of total treatments), it appears that the diversity of the sites with respect to life forms generally exceeds that of the reference area.

References

Anderson, B. Desert Plants of Utah. EC 376. Cooperative Extension Service, Utah State University, Logan, UT. 146 pp.

DOGM 1992. Vegetation Information Guidelines. Utah Division of Oil, Gas, and Mining. Salt Lake City, UT.

Parker, K. G., L. R. Mason, and J. F. Valentine. Utah Grasses. EC 384. Cooperative Extension Service, Utah State University, Logan, UT. 69 pp.

Welsch, S. L. and G. Moore. 1973. Utah Plants. Brigham Young University Press. Provo, UT. 474 pp.

Utah Climate Center. July 2005. Utah State University, Logan, Utah.

Appendix 1

Percent Cover Data

Horse Canyon Revegatation Project Tally Sheet

Date: | **Area: Ref** | **Transect: 1** | **UTM: 553536/ 4368080** | **Heading: 91**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens																																																			0	0	0.00
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata																																																			0	0	0.00
Chrysothamnus nauseosus																																																			0	0	0.00
Chrysothamnus viscidiflorus																																																			0	0	0.00
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus													1																																							1	2	6.67
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	6.67
Forbs & Succulents																																																						
Opuntia polyacantha																																																			0	0	0.00
Machaeranthera canescens																																																			0	0	0.00
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Sysimbrium altissimum																																																			0	0	0.00
Phlox															1																																					0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	6.67
Grasses																																																						
Agropyron smithii																																																						
Agropyron spicatum																																																			0	0	0.00
Agropyron cristatum																																																			0	0	0.00
Bromus tectorum																																																			0	0	0.00
Elymus salinus																														1																					0	0	0.00
Elymus cinereus																																																			2	4	13.33
Elymus giganteous																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	4	13.33
Trees																																																					
Juniper		1	1	1	1	1	1	1														1	1	1		1																									11	22	73.33
Pinon																																																				0	0	0.00
Total Tree Cover	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	22	73.33
Total Vegetation Cover	0	1	1	1	1	1	1	1	0	0	0	0	1	0	1	0	0	0	0	0	0	0	1	1	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	15	30	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																					
Litter									1												1						1					1		1		1													1	6	12	
Rock										1						1	1													1	1		1																6	12	
Bare Ground	1										1	1		1				1	1	1		1						1	1						1	1	1	1	1	1	1	1		1	1	1	1		23	46	
Total Physical Features	1	0	0	0	0	0	0	0	1	1	1	1	0	1	0	1	1	1	1	1	1	1	0	0	0	1	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	35	70	
																																																		50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Comments:																																																				

Horse Canyon Revegatation Project Tally Sheet

Date: | **Area: Ref** | **Transect: 2** | **UTM: 553543/ 4368169** | **Heading: 91**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens																																																			0	0	0.00
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata																																																			0	0	0.00
Chrysothamnus nauseosus																																																			0	0	0.00
Chrysothamnus viscidiflorus																																																			0	0	0.00
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																														1						1	2	4.76
Total Shrubs Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	2	4.76
Forbs & Succulents																																																						
Machaeranthera canescens																																																			0	0	0.00
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																													1						1	2	4.76
Plantago patagonica																																																1				1	2	4.76
Symphorium albesimum																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	2	4	9.52
Grasses																																																					
Agropyron smithii																																																			0	0	0.00
Agropyron spicatum																																																			0	0	0.00
Agropyron cristatum																																																			0	0	0.00
Bromus tectorum																										1				1							1															3	6	14.29
Elymus salinus		1		1	1																		1	1						1	1		1	1		1										1	1			10	20	47.62
Elymus cinereus																																																			0	0	0.00
Elymus gigenteous																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymanoides																																																			0	0	0.00
Sitanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	0	1	1	0	1	0	1	0	0	0	0	0	0	0	1	1	0	0	0	13	26	61.90
Trees																																																					
Juniper																					1	1	1	1	1																												5	10	23.81
Pinon																																																				0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	10	23.81
Total Vegetation Cover	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	1	0	1	1	0	1	0	1	0	0	0	1	0	0	1	1	1	1	0	0	0	21	42	100.00
Cryptobiotic			1				1	1			1																																1								5	10	
Physical Features																																																					
Litter													1	1	1	1				1														1														1			7	14	
Rock										1							1		1										1										1			1									5	10	
Bare Ground	1					1			1	1							1		1												1						1		1	1									1	1	12	24	
Total Physical Features	1	0	0	0	0	1	0	0	1	1	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	0	1	0	0	1	0	1	0	1	1	1	0	0	1	0	0	0	0	1	1	1	24	48	
																																																		50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Comments:																																																					

Horse Canyon Revegatation Project Tally Sheet

Date: | **Area: Ref** | **Transect: 3** | **UTM: 55567/ 4368098** | **Heading: 341**

Plant Species	1	2	3	4	5	6	7	8	9		11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens																																																					
Atriplex confertifolia																																																		0	0	0.00
Artemisia nova																																																		0	0	0.00
Artemisia tridentata tridentata																																																		0	0	0.00
Chrysothamnus nauseosus																																																		0	0	0.00
Chrysothamnus viscidiflorus																																																		0	0	0.00
Cowania mexicana																																																		0	0	0.00
Ceratoides lanata																																																		0	0	0.00
Ephedra viridis																																																		0	0	0.00
Sarcobatus vermiculatus																																																		0	0	0.00
Gutierrezia sarothrae																																																		0	0	0.00
Total Shrubs Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Forbs & Succulents																																																					
Machaeranthera canescens																																																		0	0	0.00
Medicago sativa																																																		0	0	0.00
Melilotus officinalis																																																		0	0	0.00
Penstemon palmeri																																																		0	0	0.00
Sphaeralcia coccinea																																																		0	0	0.00
Sysimbrium altissimum																																																		0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																				
Agropyron smithii																																																		0	0	0.00
Agropyron spicatum																																																		0	0	0.00
Agropyron cristatum																																																		0	0	0.00
Bromus tectorum																																																		0	0	0.00
Elymus salinus	1																										1												1		1							5	10	25.00
Elymus cinereus																																																		0	0	0.00
Elymus gigantaeus																																																		0	0	0.00
Hilaria jamesii																																																		0	0	0.00
Oryzopsis hymenoides																																																		0	0	0.00
Sitanion hystrix																																																		0	0	0.00
Stipa comata																																																		0	0	0.00
Total Grass Cover	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1	0	1	0	0	0	5	10	25.00
Trees																																																				
Juniper											1	1	1							1	1	1	1	1	1						1	1	1	1	1														14	28	70.00
Pinon									1																																										1	2	5.00
Total Tree Cover	0	0	0	0	0	0	0	0	1	0	0	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	15	30	75.00
Total Vegetation Cover	1	0	0	0	0	0	0	0	1	0	0	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	0	0	1	0	0	0	0	1	0	1	0	0	0	20	40	100.00
Cryptobiotic																																										1									1	2	
Physical Features																																																				
Litter																															1															1					2	4	
Rock		1	1	1	1			1		1																																								6	12	
Bare Ground						1	1				1				1	1	1	1	1	1								1	1	1							1	1		1		1		1			1	1	1	21	42	
Total Physical Features	0	1	1	1	1	1	1	1	1	0	1	1	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	1	1	0	1	0	1	1	0	1	0	1	1	1	28	58	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	
Comments:																																																				

Horse Canyon Revegatation Project Tally Sheet

Date: | **Area: Ref** | **Transect: 4** | **UTM: 553593/ 4368141** | **Heading: 96**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens																																																			0	0	0.00
Atriplex confertifolia																																																		0	0	0.00
Artemisia nova																																																		0	0	0.00
Artemisia tridentata tridentata																																																		0	0	0.00
Chrysothamnus nauseosus																																																		0	0	0.00
Chrysothamnus viscidiflorus																																																		0	0	0.00
Cowania mexicana																																																		0	0	0.00
Ceratoides lanata																																																		0	0	0.00
Ephedra viridis																																																		0	0	0.00
Sarcobatus vermiculatus																																																		0	0	0.00
Gutierrezia sarothrae	1																																																	1	2	4.76
Total Shrubs Cover	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4.76
Forbs & Succulents																																																			0	0	0.00
Machaeranthera canescens																																																			0	0	0.00
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Syembrium alliaceum																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																						
Agropyron smithii																																																			0	0	0.00
Agropyron spicatum																																																			0	0	0.00
Agropyron cristatum																																																			0	0	0.00
Bromus tectorum																																																			0	0	0.00
Elymus salinus			1																				1							1	1													1							5	10	23.81
Elymus cinereus																																																			0	0	0.00
Elymus gigenteous																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Sitanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	5	10	23.81
Trees																																																					
Juniper											1	1	1					1	1	1	1	1																	1	1	1					1	1	1	1				15	30	71.43
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	1	1	1	1	0	0	0	15	30	71.43
Total Vegetation Cover	1	0	1	0	0	0	0	0	0	0	1	1	1	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1	1	0	0	0	1	1	1	1	1	0	0	0	21	42	100.00
Cryptobiotic																																	1			1															3	6	
Physical Features																																																					
Litter										1																																										1	2	
Rock																								1			1			1																				1	1	5	10	
Bare Ground		1		1	1	1	1	1	1					1	1	1	1								1	1		1	1					1	1							1	1	1							20	40	
Total Physical Features	0	1	0	1	1	1	1	1	1	1	0	0	0	1	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	1	1	0	0	0	0	1	1	1	0	0	0	0	0	1	1	1	26	52	
																																																			50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Comments:																																																					

Horse Canyon Revegatation Project Tally Sheet

Date:	Area: Ref	Transect: 5	UTM: 553543/ 4368129	Heading:157

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																			
Atriplex canescens																																																			0	0	0.00
Atriplex confertifolia																																																		0	0	0.00
Artemisia nova																																																		0	0	0.00
Artemisia tridentata tridentata																																																		0	0	0.00
Chrysothamnus nauseosus																																																		0	0	0.00
Chrysothamnus viscidiflorus																																																		0	0	0.00
Cowania mexicana																																																		0	0	0.00
Ceratoides lanata																																																		0	0	0.00
Ephedra viridis																																																		0	0	0.00
Sarcobatus vermiculatus																																																		0	0	0.00
Gutierrezia sarothrae																																																		0	0	0.00
Total Shrubs Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Forbs & Succulents																																																		0	0	0.00
Grindelia squarrosa																																																				
Machaeranthera canescens																																																		0	0	0.00
Medicago sativa																																																		0	0	0.00
Melilotus officinalis																																																		0	0	0.00
Penstemon palmeri																																																		0	0	0.00
Sphaeralcia coccinea																																																		0	0	0.00
Sysimbrium altissimum																																																		0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																				
Agropyron smithii																																																		0	0	0.00
Agropyron spicatum																																																		0	0	0.00
Agropyron cristatum																																																		0	0	0.00
Bromus tectorum																																																		0	0	0.00
Elymus salinus																																																		0	0	0.00
Elymus cinereus																																																		0	0	0.00
Elymus giganteous																																																		0	0	0.00
Hilaria jamesii																																																		0	0	0.00
Oryzopsis hymenoides																																																		0	0	0.00
Stanion hystrix																																																		0	0	0.00
Stipa comata																																																		0	0	0.00
Total Grass Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Trees																																																				
Juniper															1	1	1	1	1	1	1	1	1	1							1	1		1	1	1	1	1	1	1			1	1				1	1		23	48	88.46
Pinon																																																			3	6	11.54
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1	1	0	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	0	26	52	100.00
Total Vegetation Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1	1	0	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	0	26	52	100.00
Cryptobiotic		1																							1																											2	4	
Physical Features																																																				
Litter													1	1																														1								3	6	
Rock																										1			1																1							3	6	
Bare Ground	1		1	1	1	1	1	1	1	1	1	1																1	1		1			1																1	16	32	
Total Physical Features	1	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	22	44	
																																																		50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Comments:																																																				

Horse Canyon Revegatation Project Tally Sheet

Date: | **Area: Ref** | **Transect: 6** | **UTM: 553600/ 4368084** | **Heading: 350**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens																																																					
Atriplex confertifolia																																																		0	0	0.00
Artemisia nova																																																		0	0	0.00
Artemisia tridentata tridentata																																																	0	0	0.00
Chrysothamnus nauseosus																																																	0	0	0.00
Chrysothamnus viscidiflorus																																																	0	0	0.00
Cowania mexicana																																																	0	0	0.00
Ceratoides lanata																																																	0	0	0.00
Ephedra viridis																																																	0	0	0.00
Sarcobatus vermiculatus																																																	0	0	0.00
Gutierrezia sarothrae																																																	0	0	0.00
Total Shrubs Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Forbs & Succulents																																																					
Grindelia squarrosa																																																		0	0	0.00
Machaeranthera canescens																																																				
Medicago sativa																																																		0	0	0.00
Melilotus officinalis																																																		0	0	0.00
Penstemon palmeri																																																		0	0	0.00
Sphaeralcia coccinea																																																		0	0	0.00
Syntrichium allisonum																																																		0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																					
Agropyron smithii																																																					
Agropyron spicatum																																																		0	0	0.00
Agropyron cristatum																																																		0	0	0.00
Bromus tectorum																																																		0	0	0.00
Elymus salinus																					1		1		1	1	1	1			1	1						1	1												0	0	0.00
Elymus cinereus																																																		10	20	38.46
Elymus glaucous																																																		0	0	0.00
Hilaria jamesii																																																		0	0	0.00
Oryzopsis hymenoides																																																		0	0	0.00
Sitanion hystrix																																																		0	0	0.00
Stipa comata																																																		0	0	0.00
Total Grass Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	1	0	0	1	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	10	20	38.46
Trees																																																				
Juniper																																																		0	0	0.00
Pinon				1	1	1	1	1	1	1	1	1	1	1																																	1	1	1	1	1	16	32	61.54
Total Tree Cover	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	16	32	61.54
Total Vegetation Cover	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	0	1	1	1	1	1	0	0	1	1	0	0	0	0	0	1	1	0	0	0	0	0	1	1	1	1	1	26	52	100.00
Cryptobiotic																							1																												1	2	
Physical Features																																																				
Litter																					1																												1	1		1			4	8	
Rock			1												1	1	1																1																	5	10	
Bare Ground	1	1																1	1	1									1	1			1		1	1	1			1	1				1						14	28	
Total Physical Features	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	1	1	0	0	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1	0	0	0	23	46	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	
Comments:																																																				

Horse Canyon Revegatation Project Tally Sheet

Date: | **Area: Ref** | **Transect: 7** | **UTM: 0553609/ 4368109** | **Heading: 360**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens																																																			0	0	0.00
Atriplex confertifolia																																																		0	0	0.00
Artemisia nova																																																		0	0	0.00
Artemisia tridentata tridentata																																																		0	0	0.00
Chrysothamnus nauseosus																																																		0	0	0.00
Chrysothamnus viscidiflorus																																																		0	0	0.00
Cowania mexicana																																																		0	0	0.00
Ceratoides lanata																																																		0	0	0.00
Ephedra viridis																																																		0	0	0.00
Sarcobatus vermiculatus																																																		0	0	0.00
Gutierrezia sarothrae																																																		0	0	0.00
Total Shrubs Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Forbs & Succulents																																																			0	0	0.00
Grindelia squarrosa																																																					
Machaeranthera canescens																																																					
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Sysimbrium altissimum																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																					
Agropyron smithii																																																			0	0	0.00
Agropyron spicatum																																																			0	0	0.00
Agropyron cristatum																																																			0	0	0.00
Bromus tectorum																																																			0	0	0.00
Elymus salinus			1		1																									1																				3	6	12.50
Elymus elmeras																																																			0	0	0.00
Elymus gigantseous																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Bilanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	6	12.50
Trees																																																					
Juniper																				1	1	1	1	1	1	1	1	1	1	1											1	1	1	1	1		1	1	1	1	1	21	42	87.50
Pinon																																																				0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	1	1	1	1	1	21	42	87.50
Total Vegetation Cover	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	1	0	0	0	0	0	0	1	1	1	1	1	0	0	1	1	1	1	1	24	48	100.00
Cryptobiotic																			1																																	1	2	
Physical Features																																																					
Litter																																					1	1						1							3	6	
Rock													1	1	1	1																1	1				1													7	14	
Bare Ground	1	1		1		1	1	1	1	1	1	1					1	1																1	1									1						15	30	
Total Physical Features	1	1	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	0	0	0	0	25	50	
																																																		50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Comments:																																																					

Horse Canyon Revegatation Project Tally Sheet

Date: | **Area: Ref** | **Transect: 8** | **UTM:** | **Heading: 77**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens																																																					
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																				0	0	0.00
Artemisia tridentata tridentata																																																			0	0	0.00
Chrysothamnus nauseosus																																																			0	0	0.00
Chrysothamnus viscidiflorus																																																			0	0	0.00
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae		1			1																																														0	0	0.00
Total Shrubs Cover	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	8.33
Forbs & Succulents																																																							
Grindelia squarrosa																																																				0	0	0.00
Machaeranthera canescens																																																						
Medicago sativa																																																				0	0	0.00
Melilotus officinalis																																																				0	0	0.00
Penstemon palmeri																																																				0	0	0.00
Sphaeralcia coccinea																																																				0	0	0.00
Opuntia compressa																					1	1																															3	6	12.50
Syaimbrium allissimum																																	1																		0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	6	12.50
Grasses																																																						
Agropyron smithii																																																						
Agropyron spicatum																																																			0	0	0.00
Agropyron cristatum																																																			0	0	0.00
Bromus tectorum																																																			0	0	0.00
Elymus salinus																							1				1																									0	0	0.00
Elymus cinereus																																																				4	8	16.67
Elymus giganteous																																																			1	1	2	4.17
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Sitanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	5	10	20.83
Trees																																																					
Juniper												1		1	1	1	1						1	1	1																												8	16	33.33
Pinon																																				1	1	1	1	1	1										6	12	25.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	14	28	58.33
Total Vegetation Cover	0	1	0	0	1	0	0	0	0	0	0	1	0	1	1	1	1	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	1	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	1	1	24	48	100.00
Cryptobiotic			1																										1	1																						3	6	
Physical Features																																																						
Litter													1																																							2	4	
Rock																																		1	1																2	4	
Bare Ground	1			1		1	1	1	1	1	1							1	1	1								1	1			1																			19	38	
Total Physical Features	1	0	0	1	0	1	1	1	1	1	1	0	1	0	0	0	0	1	1	1	0	0	0	0	0	0	0	1	1	0	0	1	0	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	23	46	
																																																			50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Comments:																																																					

Horse Canyon Revegatation Project Tally Sheet

Date: | **Area: Ref** | **Transect: 9** | **UTM: 553590/ 4368157** | **Heading: 156**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens																																																					
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata																																																		0	0	0.00
Chrysothamnus nauseosus																																																		0	0	0.00
Chrysothamnus viscidiflorus																																																		0	0	0.00
Cowania mexicana																																																		0	0	0.00
Cerstoides lanata																																																		0	0	0.00
Ephedra viridis																																																		0	0	0.00
Sarcobatus vermiculatus																																																		0	0	0.00
Gutierrezia sarothrae																															1	1																			0	0	0.00
Total Shrubs Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	10.53
Forbs & Succulents																																																						
Opuntia polyacantha																																																				0	0	0.00
Machaeranthera canescens																																																					
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Opuntia compressa				1																																															0	0	0.00
Syntrichum allisaimum																																																					
Total Forb Cover	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	5.26
Grasses																																																					
Agropyron smithii																																																			0	0	0.00
Agropyron spicatum																																																			0	0	0.00
Agropyron cristatum																																																			0	0	0.00
Bromus tectorum																																																			0	0	0.00
Elymus salinus										1	1				1					1	1					1	1	1					1	1					1			1								14	28	73.68
Elymus cinereus																																																			0	0	0.00
Elymus giganteous																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Sitanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	0	0	0	0	1	1	0	0	0	0	1	1	1	0	0	0	0	0	1	1	0	0	0	0	1	0	1	1	0	0	0	0	1	0	0	14	28	73.68
Trees																																																					
Juniper							1	1																																											2	4	10.53
Pinon																																																				0	0	0.00
Total Tree Cover	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	10.53
Total Vegetation Cover	0	0	0	1	0	0	1	1	0	1	1	0	0	0	1	0	0	0	0	1	1	0	0	0	0	1	1	1	0	0	1	1	0	1	1	0	0	0	0	1	0	1	1	0	0	0	0	1	0	0	19	36	100.00
Cryptobiotic												1	1	1		1																																				6	12	
Physical Features																																																					
Litter				1	1														1										1																						6	12	
Rock																																																			1	1	2	4	
Bare Ground	1	1	1						1								1	1				1	1	1	1					1			1			1	1	1	1		1									17	34	
Total Physical Features	1	1	1	0	1	1	0	0	1	0	0	0	0	0	0	0	1	1	1	0	0	1	1	1	1	0	0	0	1	1	0	0	1	0	0	1	1	1	1	0	1	0	0	0	0	1	1	0	1	1	25	50	
																																																		50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Comments:																																																				

Horse Canyon Revegatation Project Tally Sheet

Date: | **Area: Ref** | **Transect: 10** | **UTM: 553573/ 4368209** | **Heading: 219**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																					
Atriplex canescens																																																			0	0	0.00
Atriplex confertifolia																																																		0	0	0.00
Artemisia nova																																																		0	0	0.00
Artemisia tridentata tridentata																																																		0	0	0.00
Chrysothamnus nauseosus																																																		0	0	0.00
Chrysothamnus viscidiflorus																																																		0	0	0.00
Cowania mexicana																																																		0	0	0.00
Ceratoides lanata																																																		0	0	0.00
Ephedra viridis																																																		0	0	0.00
Sarcobatus vermiculatus																																																		0	0	0.00
Gutierrezia sarothrae						1										1																																			0	0	0.00
Total Shrubs Cover	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	14.16
Forbs & Succulents																																																						
Grindelia squarrosa																																																			0	0	0.00
Machaeranthera canescens																																																					
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Syalmbrium altissimum																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																					
Agropyron smithii																																																			0	0	0.00
Agropyron spicatum																																																			0	0	0.00
Agropyron cristatum																																																			0	0	0.00
Bromus tectorum																																																			0	0	0.00
Elymus salinus	1			1	1					1		1			1		1				1																															5	10	72.73
Elymus cinereus																																																			0	0	0.00
Elymus gigarteous																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Sitanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	1	0	0	1	1	0	0	0	0	1	0	1	0	0	1	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	10	72.73
Trees																																																					
Juniper																											1																									1	2	9.09
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	9.09
Total Vegetation Cover	1	0	0	1	1	1	0	0	0	1	0	1	0	0	1	1	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	22	100.00
Cryptobiotic		1	1							1										1					1	1			1	1																					8	16	
Physical Features																																																					
Litter																			1												1																					2	4	
Rock							1						1																																	1	1					5	10	
Bare Ground								1	1					1				1				1	1	1						1	1	1	1	1	1	1	1	1	1	1	1	1				1	1	1			24	48	
Total Physical Features	0	0	0	0	0	0	1	1	1	0	0	0	1	1	0	0	0	1	1	0	0	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	31	62	
																																																		50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Comments:																																																					

Horse Canyon Revegatation Project Tally Sheet

Date: | **Area: Ref** | **Transect: 11** | **UTM: 553546/ 4368117** | **Heading: 282**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens																																																		0	0	0.00
Atriplex confertifolia																																																		0	0	0.00
Artemisia nova																																																		0	0	0.00
Artemisia tridentata tridentata																																																		0	0	0.00
Chrysothamnus nauseosus																																																		0	0	0.00
Chrysothamnus viscidiflorus																																																		0	0	0.00
Cowania mexicana																																																		0	0	0.00
Ceratoides lanata																																																		0	0	0.00
Ephedra viridis																																																		0	0	0.00
Sarcobatus vermiculatus																																																		0	0	0.00
Gutierrezia sarothrae																																					1	1												2	4	7.41
Total Shrubs Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2	4	7.41
Forbs & Succulents																																																					
Grindelia squarrosa																																																		0	0	0.00
Machaeranthera canescens																																				1															2	4	7.41
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Sysimbrium altissimum																																																		1	1	2	4
Euphorbia fendleri						1																																													0	0	0
Total Forb Cover	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	1	1	2	4
Grasses																																																		4	8	14.81
Agropyron smithii																																																					
Agropyron spicatum																																																		0	0	0.00
Agropyron cristatum																																																		0	0	0.00
Bromus tectorum																																																		0	0	0.00
Elymus salinus								1																									1	1	1										1	1			6	12	22.22
Elymus cinereus																																																		0	0	0.00
Elymus giganteous																																																		0	0	0.00
Hilaria jamesii																																																		0	0	0.00
Oryzopsis hymenoides																																																		0	0	0.00
Sitanion hystrix																																																		0	0	0.00
Stipa comata																																																		0	0	0.00
Total Grass Cover	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	1	1	0	0	6	12	22.22
Trees																																																					
Juniper					1										1					1	1	1	1	1	1	1	1	1	1	1	1																					15	30	55.55
Pinon																																																				0	0	0.00
Total Tree Cover	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	30	55.55
Total Vegetation Cover	0	0	0	0	1	1	0	1	0	0	0	0	0	0	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	0	0	1	1	0	0	1	27	54	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																				
Litter															1	1																																				2	4	
Rock				1				1	1	1	1	1	1																																					7	14	
Bare Ground	1	1	1				1											1	1																						1	1	1	1		1	1			1	1			14	28	
Total Physical Features	1	1	1	1	0	0	1	0	1	1	1	1	1	1	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	1	1	0	0	1	1	0	23	46	
																																																		50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Comments:																																																				

Horse Canyon Revegetation Project Tally Sheet

Date: | **Area: Ref** | **Transect: 12** | **UTM: 553556/ 4368178** | **Heading: 255**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens																																																			0	0	0.00
Atriplex confertifolia																																																		0	0	0.00
Artemisia nova																																																		0	0	0.00
Artemisia tridentata tridentata																																																		0	0	0.00
Chrysothamnus nauseosus																																																		0	0	0.00
Chrysothamnus viscidiflorus																																																		0	0	0.00
Cowania mexicana																																																		0	0	0.00
Ceratoides lanata																																																		0	0	0.00
Ephedra viridis																																																		0	0	0.00
Sarcobatus vermiculatus																																																		0	0	0.00
Gutierrezia sarothrae									1		1																																								2	4	7.69
Total Shrubs Cover	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	7.69
Forbs & Succulents																																																						
Grindelia squarrosa																																																			0	0	0.00
Machaeranthera canescens																																																					
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Sysimbrium altissimum																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																					
Agropyron smithii																																																			0	0	0.00
Agropyron spicatum																																																			0	0	0.00
Agropyron cristatum																																																			0	0	0.00
Bromus tectorum																																																			0	0	0.00
Elymus salinus	1	1	1	1				1																						1																				7	14	26.92
Elymus cinereus																																																			0	0	0.00
Elymus gigantaeus																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Sitanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	1	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	7	14	26.92
Trees																																																					
Juniper																	1	1	1	1	1	1	1	1	1	1						1	1	1	1						1	1	1								17	34	65.38
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1	1	1	1	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	17	34	65.38
Total Vegetation Cover	1	1	1	1	0	0	0	1	1	0	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	0	1	1	1	0	0	0	1	1	1	0	0	0	1	0	0	0	0	0	26	52	100.00
Cryptobiotic										1																																									1	1	1	4	8	
Physical Features																																																					
Litter																																																				0	0	
Rock												1																			1										1										3	6	
Bare Ground					1	1	1						1	1	1	1											1	1	1	1						1	1						1	1	1		1					17	34	
Total Physical Features	0	0	0	0	1	1	1	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	1	0	0	0	0	1	1	1	0	0	0	1	1	1	0	1	0	0	0	20	40	
																																																		50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Comments:																																																					

Horse Canyon Revegatation Project Tally Sheet

Date: | **Area: Ref** | **Transect: 13** | **UTM: 553509/ 4368118** | **Heading: 351**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens																																																		0	0	0.00
Atriplex confertifolia																																																		0	0	0.00
Artemisia nova																																																		0	0	0.00
Artemisia tridentata tridentata																																																		0	0	0.00
Chrysothamnus nauseosus																																																		0	0	0.00
Chrysothamnus viscidiflorus																																																		0	0	0.00
Cowania mexicana																																																		0	0	0.00
Ceratoides lanata																																																		0	0	0.00
Ephedra viridis																																																		0	0	0.00
Sarcobatus vermiculatus																																																		0	0	0.00
Gutierrezia sarothrae																																																		0	0	0.00
Total Shrubs Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Forbs & Succulents																																																					
Grindelia squarrosa																																																		0	0	0.00
Machaeranthera canescens																																																		0	0	0.00
Medicago sativa																																																		0	0	0.00
Melilotus officinalis																																																		0	0	0.00
Penstemon palmeri																																																		0	0	0.00
Sphaeralcia coccinea																																																		0	0	0.00
Sysimbrium altissimum																																																				
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																				
Agropyron smithii																																																		0	0	0.00
Agropyron spicatum																																																		0	0	0.00
Agropyron cristatum																																																		0	0	0.00
Bromus tectorum																																																		0	0	0.00
Elymus salinus				1	1	1	1	1	1	1	1																																		1	1	1	1		1	13	28	61.90
Elymus cinereus																																																		0	0	0.00
Elymus giganteous																																																		0	0	0.00
Hilaria jamesii																																																		0	0	0.00
Oryzopsis hymenoides																																																		0	0	0.00
Sitanion hystrix																																																		0	0	0.00
Stipa comata																																																		0	0	0.00
Total Grass Cover	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	1	13	28	61.90
Trees																																																				
Juniper																						1	1	1	1	1	1	1	1																							8	16	38.10
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	16	38.10
Total Vegetation Cover	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	1	21	42	100.00
Cryptobiotic																																																			1	1	1	1			5	10	
Physical Features																																																						
Litter																																																				0	0	
Rock																1	1																																					4	8	
Bare Ground	1	1	1									1	1	1	1			1	1	1	1									1	1	1	1					1	1													20	40	
Total Physical Features	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	0	0	0	0	0	0	24	48	
																																																			50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Comments:																																																				

Horse Canyon Revegatation Project Tally Sheet

Date: | **Area: Ref** | **Transect: 14** | **UTM: 553505/ 4368164** | **Heading: 107**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens																																																		0	0	0.00
Atriplex confertifolia																																																		0	0	0.00
Artemisia nova																																																		0	0	0.00
Artemisia tridentata tridentata																																																		0	0	0.00
Chrysothamnus nauseosus																																																		0	0	0.00
Chrysothamnus viscidiflorus																																																		0	0	0.00
Cowania mexicana																																																		0	0	0.00
Ceratoides lanata																																																		0	0	0.00
Ephedra viridis																																																		0	0	0.00
Sarcobatus vermiculatus																																																		0	0	0.00
Gutierrezia sarothrae																																																		0	0	0.00
Total Shrubs Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Forbs & Succulents																																																					
Grindelia squarrosa																																																		0	0	0.00
Machaeranthera canescens																																																		0	0	0.00
Medicago sativa																																																		0	0	0.00
Melilotus officinalis																																																		0	0	0.00
Penstemon palmeri																																																		0	0	0.00
Sphaeralcia coccinea																																																		0	0	0.00
Sysimbrium altissimum																																																				
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																				
Agropyron smithii																																																		0	0	0.00
Agropyron spicatum																																																		0	0	0.00
Agropyron cristatum																																																		0	0	0.00
Bromus tectorum																																																		0	0	0.00
Elymus salinus		1			1										1								1		1	1				1	1									1		1			1	1	1	1			14	28	50.00
Elymus cinereus																																																		0	0	0.00
Elymus glaucous																																																		0	0	0.00
Hilaria jamesii																																																		0	0	0.00
Oryzopsis hymenoides																																																		0	0	0.00
Sitanion hystrix																																																		0	0	0.00
Stipa comata																																																		0	0	0.00
Total Grass Cover	0	1	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	1	1	0	0	0	1	1	0	0	0	0	0	0	0	0	1	0	1	0	1	1	1	1	0	0	0	14	28	50.00
Trees																																																				
Juniper							1	1	1	1						1	1	1	1	1	1	1																											1	1	1	14	28	50.00
Pinon																																																		0	0	0.00
Total Tree Cover	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	14	28	50.00
Total Vegetation Cover	0	1	0	0	1	0	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	0	1	1	0	0	0	1	1	0	0	0	0	0	0	0	0	1	0	1	0	1	1	1	1	1	1	1	28	56	100.00
Cryptobiotic											1	1																																							2	4	
Physical Features																																																				
Litter																											1	1	1																							3	6	
Rock			1										1											1																											4	8	
Bare Ground	1			1		1								1																			1	1	1	1	1	1	1			1		1							13	26	
Total Physical Features	1	0	1	1	0	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1	0	0	1	1	1	1	1	1	1	1	0	1	0	1	0	0	0	0	0	0	0	25	40	
																																																		50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Comments:																																																				

Horse Canyon Revegatation Project Tally Sheet

Date: | **Area: Ref** | **Transect: 15** | **UTM: 553550/ 4368180** | **Heading: 210**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens																																																			0	0	0.00
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata																																																			0	0	0.00
Chrysothamnus nauseosus																																																			0	0	0.00
Chrysothamnus viscidiflorus																																																			0	0	0.00
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae								1																																											1	2	6.67
Total Shrubs Cover	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	6.67
Forbs & Succulents																																																						
Grindelia squarrosa																																																			0	0	0.00
Machaeranthera canescens																																																					
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Sysimbrium altissimum																																																			0	0	0.00
Phlox									1																																											1	2	6.67
Opuntia compressa																																																			1	2	6.67
Total Forb Cover	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	2	4	13.33
Grasses																																																					
Agropyron smithii																																																			0	0	0.00
Agropyron spicatum																																																			0	0	0.00
Agropyron cristatum																																																			0	0	0.00
Bromus tectorum																																																			0	0	0.00
Elymus salinus	1	1	1									1	1							1									1	1							1											1	1	1	12	24	80.00
Elymus cinereus																																																			0	0	0.00
Elymus gigantecus																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Sitanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	1	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1	12	24	80.00
Trees																																																					
Juniper																																																			0	0	0.00
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	0	0	0	0	1	1	0	0	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	1	1	1	15	30	100.00
Cryptobiotic													1				1				1	1	1	1			1				1											1	1	1			1				12	24	
Physical Features																																																					
Litter															1	1										1							1	1																	5	10	
Rock																		1	1																																	2	4	
Bare Ground				1	1	1	1			1	1														1			1			1								1	1			1	1	1						16	32	
Total Physical Features	0	0	0	1	1	1	1	0	0	1	1	0	0	0	1	1	0	1	1	0	0	0	0	0	1	1	0	1	0	0	1	0	1	1	1	1	0	1	1	1	0	0	0	0	1	1	0	0	0	0	23	46	
																																																			50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Comments:																																																					

Horse Canyon Revegatation Project Tally Sheet

Date: 7/3/04 | **Area: 3** | **Transect: 1** | **UTM: 555553/4368074** | **Heading: 236**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens									1	1	1	1						1	1	1				1	1	1		1									1	1	1	1	1				1							17	34	36.42
Atriplex confertifolia																																																				0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata				1	1		1	1													1	1	1					1	1			1	1																	11	22	22.92
Chrysothamnus nauseosus			1																																																2	4	4.17
Chrysothamnus viscidiflorus																																																			1	2	2.08
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	0	0	1	1	1	0	1	1	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	1	1	1	0	0	1	1	1	1	1	1	1	0	0	0	0	0	1	1	1	0	0	0	31	62	64.58
Forbs & Succulents																																																						
Machaeranthera canescens																																																			0	0	0.00
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Syambrium alliaimum																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																					
Agropyron smithii	1																																																		1	2	2.08
Agropyron spicatum														1	1	1											1																						1	1	7	14	14.58
Agropyron cristatum																																																			0	0	0.00
Bromus tectorum																																																			0	0	0.00
Elymus salinus																																																			0	0	0.00
Elymus cinereus																																																			0	0	0.00
Elymus gigenteous						1							1																		1	1										1			1	1	1				9	18	18.75
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Sitanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	1	0	0	0	0	1	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	1	1	1	17	34	35.42
Trees																																																					
Juniper																																																			0	0	0.00
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	48	96	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																					
Litter																																																			0	0	
Rock																																																			0	0	
Bare Ground		1															1																																			2	4	
Total Physical Features	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	
																																																		50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Comments:																																																					

Horse Canyon Revegatation Project Tally Sheet

Date: 7/3/04 | **Area: 3** | **Transect: 2** | **UTM: 555531/4368045** | **Heading: 8**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens		1	1	1	1					1	1	1								1	1										1	1	1							1	1	1	1						1	1	18	36	36.73
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata																																																			0	0	0.00
Chrysothamnus nauseosus													1	1	1																																					4	8	8.16
Chrysothamnus viscidiflorus																																												1								0	0	0.00
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	0	1	1	1	1	0	0	0	0	1	1	1	1	1	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	1	1	1	1	1	0	0	0	1	1	0	22	44	44.90
Forbs & Succulents																																																			0	0	0.00
Machaeranthera canescens																																																			0	0	0.00
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Symbirium albissimum																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																						
Agropyron smithii																																																			0	0	0.00
Agropyron spicatum	1						1	1										1	1					1	1	1		1	1											1						1				13	26	26.53
Agropyron cristatum																																																			0	0	0.00
Bromus tectorum																																																			0	0	0.00
Elymus salinus																																																			0	0	0.00
Elymus cinereus																																																			0	0	0.00
Elymus gigantieous						1			1							1	1							1	1					1	1						1	1	1	1						1	1					14	28	28.57
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Sitanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	1	0	0	0	0	1	1	1	1	0	0	0	0	0	0	1	1	1	1	0	0	1	1	1	1	1	0	1	1	1	1	0	0	0	0	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	27	54	55.10
Trees																																																					
Juniper																																																			0	0	0.00
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	49	98	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																					
Litter																																																			0	0	
Rock																																																			0	0	
Bare Ground																											1																									1	2	
Total Physical Features	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	
																																																		50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Comments:																																																					

Horse Canyon Revegatation Project Tally Sheet

Date: 7/3/04 | **Area: 3** | **Transect: 3** | **UTM: 555497/4368047** | **Heading: 201**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																					
Atriplex canescens	1			1	1			1				1	1	1	1						1	1	1																1	1	1						1	1				16	32	32.65
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata						1	1									1	1	1						1	1	1	1	1	1	1	1	1	1											1	1						17	34	34.69
Chrysothamnus nauseosus																																								1	1											2	4	4.08
Chrysothamnus viscidiflorus																																																			0	0	0.00
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	1	0	0	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	0	0	1	1	1	1	0	0	0	35	70	71.43
Forbs & Succulents																																																						
Gilia/Ipomopsis aggregata																																																			0	0	0.00
Machaeranthera canescens																																																					
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			1	2	2.04
Syntrichium allissimum																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	2	2.04
Grasses																																																					
Agropyron smithii																																																			0	0	0.00
Agropyron spicatum											1									1															1	1															6	12	12.24
Agropyron cristatum																																																			0	0	0.00
Bromus tectorum																																																			0	0	0.00
Elymus salinus																																																			0	0	0.00
Elymus cinereus																																																			0	0	0.00
Elymus giganteous		1	1						1	1																							1											1						7	14	14.29
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Sitanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	0	1	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	1	0	0	0	0	1	1	1	13	26	26.53
Trees																																																					
Juniper																																																			0	0	0.00
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	49	98	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																					
Litter																																																			0	0	
Rock																																																			0	0	
Bare Ground																			1																																		1	2	
Total Physical Features	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	
																																																		50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Comments:																																																					

Horse Canyon Revegatation Project Tally Sheet

Date: 7/3/04 | **Area: 3** | **Transect: 4** | **UTM: 555480/4368008** | **Heading: 213**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens																											1	1																			1	1		4	8	9.30
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata					1						1																																							1	1	2.33
Chrysothamnus nauseosus									1	1														1	1	1											1	1	1					1	1	1				9	18	20.93
Chrysothamnus viscidiflorus																																											1								6	12	13.95
Cowania mexicana								1															1																												0	0	0.00
Ceratoides lanata																																																		2	4	4.65
Ephedra viridis																																																		0	0	0.00
Sarcobatus vermiculatus																																																		0	0	0.00
Gutierrezia sarothrae																																																		0	0	0.00
Total Shrubs Cover	0	0	0	0	1	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	1	1	1	1	1	1	1	22	44	51.16
Forbs & Succulents																																																						
Grindelia squarrosa																																																			0	0	0.00
Machaeranthera canescens																																		1																	1	2	2.33
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri	1			1								1																																							0	0	0.00
Sphaeralcia coccinea																																																			3	6	6.98
Syssimbrium altissimum																																																			0	0	0.00
Total Forb Cover	1	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	8	9.30
Grasses																																																					
Agropyron smithii																																																			0	0	0.00
Agropyron spicatum		1	1				1								1	1	1	1	1		1									1	1																			11	22	25.58
Agropyron cristatum																																																			0	0	0.00
Bromus tectorum																																																			0	0	0.00
Elymus salinus																																																			0	0	0.00
Elymus cinereus																																																			0	0	0.00
Elymus giganteous													1	1								1							1								1	1													6	12	13.95
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																		0	0	0.00
Sitanion hystrix																																																		0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	0	1	1	0	0	0	1	0	0	0	0	0	1	1	1	1	1	1	1	0	1	1	0	0	0	0	0	0	1	1	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	17	34	39.53
Trees																																																					
Juniper																																																			0	0	0.00
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	0	0	1	0	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	43	86	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																					
Litter																																	1																		1	2	
Rock																																																			0	0	
Bare Ground						1														1												1			1								1	1					6	12	
Total Physical Features	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	7	14	
																																																		50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			

Comments:

Horse Canyon Revegatation Project Tally Sheet

Date: | **Area: 3** | **Transect: 5** | **UTM: 555480/4368008** | **Heading: 55**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																			
Atriplex canescens					1	1	1	1	1	1								1									1	1	1	1					1	1	1													14	28	35.00
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata			1								1	1				1	1		1	1					1	1	1								1	1								1	1	1	1	1		17	34	42.50
Chrysothamnus nauseosus	1	1																																							1	1									4	8	10.00
Chrysothamnus viscidiflorus																																											1	1							2	4	5.00
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	1	1	1	0	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0	37	74	92.50
Forbs & Succulents																																																			0	0	0.00
Grindelia squarrosa																																																					
Machaeranthera canescens																																																			0	0	0.00
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			1	2	2.50
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Systenbrium allisonum																																																					
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	2	2.50
Grasses																																																					
Agropyron smithii																																																			0	0	0.00
Agropyron spicatum																					1																															1	2	2.50
Agropyron cristatum																																	1																	1	2	2.50
Bromus tectorum																																																			0	0	0.00
Elymus salinus																																																			0	0	0.00
Elymus cinereus																																																			0	0	0.00
Elymus giganteous																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Sitanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	5.00
Trees																																																					
Juniper																																																			0	0	0.00
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	0	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	40	80	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																					
Litter																						1												1																		2	4	
Rock																																																			0	0	
Bare Ground				1									1	1	1								1	1							1																			1	8	16	
Total Physical Features	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	10	20	
																																																		50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Comments:																																																					

Horse Canyon Revegatation Project Tally Sheet

Date: 7/3/04 | **Area: 3** | **Transect: 6** | **UTM:** | **Heading: 45**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens																												1														1	1	1				1	1	1	7	14	15.22
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata																		1	1	1	1						1	1					1	1	1	1				1	1									12	24	26.09
Chrysothamnus nauseosus																																					1	1													2	4	4.35
Chrysothamnus viscidiflorus				1	1	1		1																																											4	8	8.70
Cowania mexicana							1										1					1																														3	6	6.52
Ceratoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	1	1	1	0	0	0	1	1	1	1	0	1	1	1	1	1	1	1	0	0	0	1	1	1	28	56	60.87
Forbs & Succulents																																																						
Grindelia squarrosa																																																			0	0	0.00
Machaeranthera canescens																																																					
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Sysimbrium altissimum																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																					
Agropyron smithii																																																				0	0	0.00
Agropyron spicatum	1	1						1	1						1	1								1	1	1				1								1													12	24	26.09
Agropyron cristatum																																																				0	0	0.00
Bromus tectorum			1																																																1	2	2.17
Elymus salinus																																																				0	0	0.00
Elymus cinereus																																1																			1	2	2.17
Elymus gigenteous										1	1												1																								1						4	8	8.70
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Stanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	1	1	1	0	0	0	0	0	1	1	1	1	0	0	1	1	0	0	0	0	0	0	1	1	1	1	0	0	0	1	0	1	0	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	18	36	39.13
Trees																																																				
Juniper																																																				0	0	0.00
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	46	92	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																					
Litter													1	1																																							2	4	
Rock																																																				0	0	
Bare Ground																														1																		1				2	4	
Total Physical Features	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	4	8	
																																																		50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Comments:																																																					

Horse Canyon Revegetation Project Tally Sheet

Date: | **Area: 3** | **Transect: 7** | **UTM: 55504904/ 4368049** | **Heading: 229**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																					
Atriplex canescens		1																																			1	1													3	6	7.32
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata			1	1	1				1	1	1	1	1	1	1	1	1	1	1	1									1	1	1																			1	19	38	46.34
Chrysothamnus nauseosus																																																			0	0	0.00
Chrysothamnus viscidiflorus																																			1	1					1	1	1								5	10	12.20
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	0	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	0	0	0	1	1	1	1	0	0	1	1	1	0	0	0	0	0	0	1	27	54	65.85
Forbs & Succulents																																																					
Grindelia squarrosa																																																			0	0	0.00
Machaeranthera canescens																																																			0	0	0.00
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri								1																															1	1				1							4	8	9.76
Sphaeralcia coccinea																																																			0	0	0
Sysimbrium altissimum																																															1				1	2	4
Total Forb Cover	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	0	0	1	0	0	0	5	10	12.20
Grasses																																																					
Agropyron smithii																																																			0	0	0.00
Agropyron spicatum	1																								1			1																							3	6	7.32
Agropyron cristatum																																																			0	0	0.00
Bromus tectorum																																																			0	0	0.00
Elymus salinus																																																			0	0	0.00
Elymus cinereus																																																			0	0	0.00
Elymus giganteus						1																										1		1											1			1	1		6	12	14.63
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Sitanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	9	18	21.95
Trees																																																					
Juniper																																																			0	0	0.00
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	0	0	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	41	82	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																					
Litter																																	1																		1	2	
Rock																																																			0	0	
Bare Ground							1														1	1	1	1		1	1																			1					8	16	
Total Physical Features	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	9	18	
																																																			50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Comments:																																																					

Horse Canyon Revegetation Project Tally Sheet

Date: | **Area: 3** | **Transect: 8** | **UTM: 5554471 4368020** | **Heading: 141**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens				1	1	1	1					1														1	1	1															1			1				10	20	21.74
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata														1	1	1	1	1	1	1	1												1	1	1	1	1				1	1								15	30	32.61
Chrysothamnus nauseosus																																1						1	1											4	8	8.70
Chrysothamnus viscidiflorus		1																																																0	0	0.00
Cowania mexicana																																																			0	0	0.00
Cercicides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover		1	0	1	1	1	1	0	0	0	0	1	0	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	0	0	0	1	1	1	1	1	1	1	1	0	0	1	1	1	0	0	0	1	0	0	29	58	63.04
Forbs & Succulents																																																						
Grindelia squarrosa																																																			0	0	0.00
Machaeranthera canescens																																																					
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Sysimbrium altissimum																																																			0	0	0.00
Grindelia squarrosa	1																																																		0	0	0.00
Total Forb Cover	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2.17
																																																			1	2	2.17
Grasses																																																					
Agropyron smithii													1																																									1	2	2.17
Agropyron spicatum			1						1																				1	1	1																					7	14	15.22
Agropyron cristatum																																																				0	0	0.00
Bromus tectorum																																																			0	0	0.00
Elymus salinus																																																			0	0	0.00
Elymus cinereus																																																			0	0	0.00
Elymus giganteus								1		1	1											1	1	1	1																											8	16	17.39
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Sitanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	0	0	1	0	0	0	0	1	1	1	1	0	1	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	16	32	34.78
Trees																																																					
Juniper																																																			0	0	0.00
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	0	0	46	92	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																				
Litter																																																			0	0	
Rock																																																			0	0	
Bare Ground																																									1	1							1	1	4	8	
Total Physical Features	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	4	8	
																																																		50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Comments:																																																				

Horse Canyon Revegatation Project Tally Sheet

Date: | **Area: 3** | **Transect: 9** | **UTM: 555440/ 4367985** | **Heading: 289**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens									1	1	1	1	1	1		1												1	1	1																					10	20	22.22
Atriplex confertifolia																																																		0	0	0.00
Artemisia nova																																																		0	0	0.00
Artemisia tridentata tridentata	1														1		1	1	1	1	1					1	1												1	1	1					1						15	30	33.33
Chrysothamnus nauseosus																																																		4	8	8.89
Chrysothamnus viscidiflorus																																																		1	2	2.22
Cowania mexicana																																																		0	0	0.00
Ceratoides lanata																																																		0	0	0.00
Ephedra viridis																																																		0	0	0.00
Sarcobatus vermiculatus																																																		0	0	0.00
Gutierrezia sarothrae																																																		0	0	0.00
Total Shrubs Cover	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	30	60	66.67
Forbs & Succulents																																																		0	0	0.00
Opuntia aquarrosa																																																				
Machaeranthera canescens																																																		0	0	0.00
Medicago sativa																																																		0	0	0.00
Melilotus officinalis																																																		0	0	0.00
Penstemon palmeri																																																		0	0	0.00
Sphaeralcia coccinea																																																		0	0	0.00
Sysimbrium altissimum																																																		0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																					
Agropyron smithii																																																			0	0	0.00
Agropyron spicatum		1	1	1	1																	1	1										1	1																	8	16	17.78
Agropyron cristatum																																																			0	0	0.00
Bromus tectorum																																																			0	0	0.00
Elymus salinus																																																			0	0	0.00
Elymus cinereus																																																			0	0	0.00
Elymus giganteous							1	1	1															1	1						1	1																			7	14	15.56
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																		0	0	0.00
Sitanion hystrix																																																		0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	30	33.33
Trees																																																				
Juniper																																																		0	0	0.00
Pinon																																																		0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	0	45	90	100.00
Cryptobiotic																																																		0	0	
Physical Features																																																				
Litter																																						1												1	2	
Rock																																																		0	0	
Bare Ground																																			1	1	1												1	4	8	
Total Physical Features	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	1	5	10	
																																																	50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Comments:																																																				

Horse Canyon Revegatation Project Tally Sheet

Date: | **Area: 3** | **Transect: 10** | **UTM: 555436/ 4368015** | **Heading: 63**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens				1																	1	1				1									1	1							1								7	14	15.22
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata						1	1						1	1									1	1	1								1	1																1	10	20	21.74
Chrysothamnus nauseosus												1	1																																			1	1		4	8	8.70
Chrysothamnus viscidiflorus																																																			0	0	0.00
Cowania mexicana																																																1			1	2	2.17
Ceratoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	0	0	0	0	1	1	1	1	0	0	0	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	0	0	0	0	0	1	1	1	1	22	44	47.83
Forbs & Succulents																																																						
Grindelia squarrosa																																																			0	0	0.00
Machaeranthera canescens																																																					
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Syslmbrium altissimum																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																					
Agropyron smithii																																																			1	2	2.17
Agropyron spicatum		1	1								1					1	1	1									1	1	1	1	1													1							12	24	26.09
Agropyron cristatum																																																			0	0	0.00
Bromus tectorum																																																			0	0	0.00
Elymus salinus																																																			0	0	0.00
Elymus cinereus																																																			0	0	0.00
Elymus gigantecus				1				1	1	1																	1																			1	1	1	1					11	22	23.91
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Sitanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	0	1	1	1	0	0	0	1	1	1	1	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	1	1	1	1	0	0	1	1	1	1	0	0	0	0	24	46	52.17
Trees																																																					
Juniper																																																			0	0	0.00
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	46	92	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																					
Litter																																																			0	0	
Rock																																																			0	0	
Bare Ground	1																		1	1																									1								4	8	
Total Physical Features	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	4	8	
																																																		50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Comments:																																																					

Horse Canyon Revegatation Project Tally Sheet

Date: | **Area: 3** | **Transect: 11** | **UTM: 555477/ 4368032** | **Heading: 81**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens				1	1	1	1																																											4	8	8.52
Atriplex confertifolia																																																		0	0	0.00
Artemisia nova																																																		0	0	0.00
Artemisia tridentata tridentata								1	1						1										1	1	1						1	1	1	1	1	1	1						1	1	1		16	32	38.10
Chrysothamnus nauseosus																								1	1																										2	4	4.76
Chrysothamnus viscidiflorus																															1									1									1	3	6	7.14
Cowania mexicana																																																		0	0	0.00
Ceratoides lanata																																																		0	0	0.00
Ephedra viridis																																																		0	0	0.00
Sarcobatus vermiculatus																																																		0	0	0.00
Gutierrezia sarothrae																																																		0	0	0.00
Total Shrubs Cover	0	0	0	1	1	1	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1	1	1	1	25	50	59.52
Forbs & Succulents																																																						
Cphodilla squarrosa																																																			0	0	0.00
Machaeranthera canescens																																																					
Medicago sativa																																																		0	0	0.00
Melilotus officinalis																																																		0	0	0.00
Penstemon palmeri	1	1	1													1	1																																	0	0	0.00
Sphaeralcia coccinea																																																		6	12	14.29
Sysimbrium altissimum																																																		0	0	0.00
Total Forb Cover	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	6	12	14.29
Grasses																																																					
Agropyron smithii																																																			0	0	0.00
Agropyron spicatum													1	1						1	1																															6	12	14.29
Agropyron cristatum																																																			0	0	0.00
Bromus tectorum																																																			0	0	0.00
Elymus salinus																																																			0	0	0.00
Elymus cinereus																																																			0	0	0.00
Elymus gigantecus										1	1	1						1	1																																	5	10	11.90
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Sitanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	11	22	26.19
Trees																																																					
Juniper																																																			0	0	0.00
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	42	84	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																				
Litter																																																			0	0	
Rock																																																			0	0	
Bare Ground																						1	1						1	1	1															1	1	1				8	16	
Total Physical Features	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	8	16	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	
Comments:																																																				

Horse Canyon Revegatation Project Tally Sheet

Date: | **Area: 3** | **Transect: 12** | **UTM: 555497/ 4368047** | **Heading: 360**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens																		1	1	1								1	1																					6	12	14.29
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata			1				1																							1	1			1	1															7	14	16.67
Chrysothamnus nauseosus																																1	1																	2	4	4.76
Chrysothamnus viscidiflorus													1	1																																					2	4	4.76
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	0	0	1	0	0	0	1	0	0	0	0	0	1	1	0	0	0	1	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	17	34	40.48
Forbs & Succulents																																																						
Grindelia squarrosa																																																			0	0	0.00
Machaeranthera canescens																								1																												2	4	4.76
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			1	2	2.38
Penstemon palmeri																							1																												1	2	2.38
Sphaeralcia coccinea																																																			0	0	0.00
Sysimbrium altissimum																																																					
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	4	8	9.52
Grasses																																																					
Agropyron smithii																																																			0	0	0.00
Agropyron spicatum		1		1		1																				1	1										1	1	1	1			1	1						12	24	28.57
Agropyron cristatum																																																			0	0	0.00
Bromus tectorum																																																			0	0	0.00
Elymus salinus																																																			0	0	0.00
Elymus cinereus																																																			0	0	0.00
Elymus giganteous								1	1	1	1	1									1				1																					1				1		9	18	21.43
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Sitanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	0	1	0	1	0	1	0	1	1	1	1	1	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	0	0	1	1	1	0	0	1	1	0	21	42	50.00
Trees																																																					
Juniper																																																			0	0	0.00
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	0	1	1	1	0	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	0	42	84	100.00
Cryptobiotic															1							1																															2	4	
Physical Features																																																					
Litter																																																			0	0	
Rock																																																			0	0	
Bare Ground	1				1											1	1																											1						1	6	12	
Total Physical Features	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	6	12	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	
Comments:																																																					

Horse Canyon Revegatation Project Tally Sheet

Date: | **Area: 3** | **Transect: 13** | **UTM: 555513** | **Heading: 219**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens																					1	1	1	1						1	1	1	1	1	1																13	26	29.55
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata						1	1	1	1																				1																						7	14	15.91
Chrysothamnus nauseosus																												1																						1	2	2.27
Chrysothamnus viscidiflorus																																																		0	0	0.00
Cowania mexicana																																																		0	0	0.00
Ceratoides lanata																																																		0	0	0.00
Ephedra viridis																																																		0	0	0.00
Sarcobatus vermiculatus																																																		0	0	0.00
Gutierrezia sarothrae																																																		0	0	0.00
Total Shrubs Cover	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	21	42	47.73
Forbs & Succulents																																																					
Grindelia squarrosa																																																		0	0	0.00
Machaeranthera canescens																																																				
Medicago sativa																																																		0	0	0.00
Melilotus officinalis																																																		0	0	0.00
Penstemon palmeri																																																		0	0	0.00
Sphaeralcia coccinea																																																		0	0	0.00
Sysimbrium altissimum																																																		0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																				
Agropyron smithii																																																		0	0	0.00
Agropyron spicatum										1	1		1	1				1	1	1						1	1										1	1	1	1	1									14	28	31.82
Agropyron cristatum																																																		0	0	0.00
Bromus tectorum																																																		0	0	0.00
Elymus salinus																																																		0	0	0.00
Elymus cinereus																																																		0	0	0.00
Elymus giganteous															1	1	1								1											1	1								1	1	1					9	18	20.45
Hilaria jamesii																																																		0	0	0.00
Oryzopsis hymenoides																																																		0	0	0.00
Sitanion hystrix																																																		0	0	0.00
Stipa comata																																																		0	0	0.00
Total Grass Cover	0	0	0	0	0	0	0	0	0	1	1	0	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	23	46	52.27
Trees																																																				
Juniper																																																		0	0	0.00
Pinon																																																		0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	0	0	0	0	0	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	44	88	100.00
Cryptobiotic																																																		0	0	
Physical Features																																																			
Litter	1																																																	1	2	
Rock																																																		0	0	
Bare Ground		1	1	1	1							1																																						5	10	
Total Physical Features	1	1	1	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	12	
																																																	50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Comments:																																																				

Horse Canyon Revegatation Project Tally Sheet

Date: | **Area: 3** | **Transect: 14** | **UTM: 555473/ 4368012** | **Heading: 194**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens									1	1	1	1	1	1												1	1	1	1	1																						11	22	28.58
Atriplex confertifolia																															1				1	1	1															9	18	23.83
Artemisia nova																																																				0	0	0.00
Artemisia tridentata tridentata						1	1																																													0	0	0.00
Chrysothamnus nauseosus	1																																																			1	2	2.33
Chrysothamnus viscidiflorus																																																			0	0	0.00
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	1	0	0	0	0	1	1	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	1	1	1	0	0	0	0	0	0	0	1	1	1	0	21	42	48.84
Forbs & Succulents																																																						
Grindelia squarrosa																																																			0	0	0.00
Machaeranthera canescens																																																					
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Sysimbrium altissimum																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																					
Agropyron smithii																																																			0	0	0.00
Agropyron spicatum		1	1																		1		1	1									1	1						1	1	1									10	20	23.26
Agropyron cristatum																																																			0	0	0.00
Bromus tectorum																																																			0	0	0.00
Elymus salinus																																																			0	0	0.00
Elymus cinereus																																																			0	0	0.00
Elymus giganteous					1			1							1	1	1	1	1	1		1			1															1						1						12	24	27.91
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Sitanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	0	1	1	0	1	0	0	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	0	0	0	1	0	0	0	0	22	44	51.16
Trees																																																					
Juniper																																																			0	0	0.00
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	0	43	86	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																					
Litter																																																		1	1	2	
Rock																																																			0	0	
Bare Ground				1																											1	1											1	1	1					6	12	
Total Physical Features	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	1	7	14	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	
Comments:																																																					

Horse Canyon Revegatation Project Tally Sheet

Date: | **Area: 3** | **Transect: 15** | **UTM: 555431/ 4367986** | **Heading: 94**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens					1	1	1																																		1	1	1	1	1					8	16	20.00
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata																							1	1	1	1						1	1	1	1	1			1	1									11	22	27.50
Chrysothamnus nauseosus																											1										1													2	4	5.00
Chrysothamnus viscidiflorus																																																		0	0	0.00
Cowania mexicana																																																		0	0	0.00
Ceratoides lanata																																																		0	0	0.00
Ephedra viridis																																																		0	0	0.00
Sarcobatus vermiculatus																																																		0	0	0.00
Gutierrezia sarothrae																	1																																		1	2	2.50
Total Shrubs Cover	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1	1	1	0	0	0	0	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0	0	0	0	0	22	44	55.00
Forbs & Succulents																																																					
Grindelia squarrosa																																																		0	0	0.00
Machaeranthera canescens																																																					
Medicago sativa																																																		0	0	0.00
Melilotus officinalis																																																		0	0	0.00
Penstemon palmeri																																																		0	0	0.00
Sphaeralcia coccinea																																																		0	0	0.00
Sysimbrium altissimum																																																		0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																				
Agropyron smithii																																																		0	0	0.00
Agropyron spicatum											1	1						1				1						1																							7	14	17.50
Agropyron cristatum																																																		0	0	0.00
Bromus tectorum																																																		0	0	0.00
Elymus salinus																																																		0	0	0.00
Elymus cinereus																			1																															1	2	2.50
Elymus gigantaeus								1	1	1				1	1	1																																			10	20	25.00
Hilaria jamesii																																																		0	0	0.00
Oryzopsis hymenoides																																																		0	0	0.00
Sitanion hystrix																																																		0	0	0.00
Stipa comata																																																		0	0	0.00
Total Grass Cover	0	0	0	0	0	0	0	1	1	1	1	1	0	1	1	1	0	1	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	1	18	36	45.00
Trees																																																				
Juniper																																																		0	0	0.00
Pinon																																																		0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	0	0	0	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	40	80	100.00
Cryptobiotic																																																		0	0	
Physical Features																																																			
Litter	1	1																																																2	4	
Rock																																																		0	0	
Bare Ground			1	1									1							1	1								1	1	1																			8	16	
Total Physical Features	1	1	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	20	
																																																	50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Comments:																																																				

Horse Canyon Revegatation Project Tally Sheet

Date: | **Area: 6** | **Transect: 1** | **UTM: 55617/ 4368160** | **Heading: 202**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens				1	1	1		1	1							1								1					1							1														11	22	26.19
Atriplex confertifolia																																			1																2	4	4.76
Artemisia nova																									1							1																				2	4	4.76
Artemisia tridentata tridentata																																																			0	0	0.00
Chrysothamnus nauseosus																																																			0	0	0.00
Chrysothamnus viscidiflorus																																																			0	0	0.00
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																										1																										1	2	2.38
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	0	0	0	1	1	1	0	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	0	0	1	1	1	1	0	0	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	16	32	38.10
Forbs & Succulents																																																						
Machaeranthera canescens																																																			0	0	0.00
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Sysimbrium altissimum																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																					
Agropyron smithii																																																			0	0	0.00
Agropyron spicatum							1					1	1	1					1	1			1																													11	22	26.19
Agropyron cristatum																																																			0	0	0.00
Bromus tectorum										1	1				1		1	1									1	1					1	1			1	1	1	1										1	14	28	33.33
Elymus salinus																																																			0	0	0.00
Elymus cinereus																																																			1	2	2.38
Elymus giganteous																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Stanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	0	0	0	0	0	0	1	0	0	1	1	1	1	1	1	0	1	1	1	1	0	0	1	0	0	0	1	1	0	0	0	0	1	1	0	0	1	1	1	1	1	0	0	1	1	1	1	0	0	1	26	52	61.90
Trees																																																					
Juniper																																																			0	0	0.00
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	0	0	1	42	84	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																					
Litter																					1	1																															2	4	
Rock																																																				0	0	
Bare Ground	1	1	1																																1													1	1		6	12	
Total Physical Features	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	0	8	16	
																																																		50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Comments:																																																					

Horse Canyon Revegatation Project Tally Sheet

Date: | **Area: 6** | **Transect: 2** | **UTM: 555587/ 4368161** | **Heading: 39**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens																1		1	1						1	1	1				1	1					1	1	1	1							1				13	26	34.21
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata			1	1	1														1	1							1	1	1																			1	1		10	20	26.32
Chrysothamnus nauseosus																																																			0	0	0.00
Chrysothamnus viscidiflorus																																																			0	0	0.00
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus											1																																									1	2	2.63
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	0	0	1	1	1	0	0	0	0	0	1	0	0	0	0	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1	0	0	0	0	0	0	1	1	1	0	24	48	63.16
Forbs & Succulents																																																						
Machaeranthera canescens	1																																																			0	0	0.00
Medicago sativa																																																				1	2	2.63
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Sysmbrium altissimum																																																			0	0	0.00
Total Forb Cover	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2.63
Grasses																																																					
Agropyron smithii											1																																									1	2	2.63
Agropyron spicatum						1																										1							1											4	8	10.53
Agropyron cristatum																																																			0	0	0.00
Bromus tectorum										1			1	1	1						1	1	1									1																				8	16	21.05
Elymus salinus																																																			0	0	0.00
Elymus cinereus																																																			0	0	0.00
Elymus giganteous																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Sitanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	0	0	0	0	0	1	0	0	0	1	0	1	1	1	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	13	26	34.21
Trees																																																					
Juniper																																																			0	0	0.00
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	0	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	0	0	0	0	0	1	1	1	1	38	76	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																					
Litter		1					1																											1	1							1							6	12	
Rock																																																			0	0	
Bare Ground								1	1																																									1	6	12	
Total Physical Features	0	1	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	1	12	24	
																																																			50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Comments:																																																					

Horse Canyon Revegatation Project Tally Sheet

Date: | **Area: 6** | **Transect: 3** | **UTM: 555600/ 4368180** | **Heading: 304**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Shrubs																									
Atriplex canescens					1	1	1																		
Atriplex confertifolia																									
Artemisia nova																									
Artemisia tridentata tridentata								1								1	1						1		
Chrysothamnus nauseosus																									
Chrysothamnus viscidiflorus																									
Cowania mexicana																									
Ceratoides lanata																									
Ephedra viridis																									
Sarcobatus vermiculatus																									
Gutierrezia sarothrae																									
Total Shrubs Cover	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	0	0
Forbs & Succulents																									
Machaeranthera canescens																									
Medicago sativa																									
Melilotus officinalis																									
Penstemon palmeri																									
Sphaeralcia coccinea																									
Symbrium altissimum																									
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grasses																									
Agropyron smithii																									
Agropyron spicatum													1	1										1	1
Agropyron cristatum																									
Bromus tectorum		1	1	1					1	1	1	1						1							
Elymus salinus																									
Elymus cinereus																									
Elymus giganteous																									
Hilaria jamesii																									
Oryzopsis hymenoides																									
Sitanion hystrix	1																								
Stipa comata																									
Total Grass Cover	1	1	1	1	0	0	0	0	1	1	1	1	1	1	0	0	0	1	0	0	0	0	0	1	1
Trees																									
Juniper																									
Pinon																									
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Vegetation Cover	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	0	0	0	0	1	1	1
Cryptobiotic																									
Physical Features																									
Litter																					1				
Rock															1										
Bare Ground																			1	1		1			
Total Physical Features	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1	1	0	0	0
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Comments:																									

Plant Species	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																												
Atriplex canescens																1										4	8	9.76
Atriplex confertifolia																										0	0	0.00
Artemisia nova																										0	0	0.00
Artemisia tridentata tridentata																										4	8	9.76
Chrysothamnus nauseosus																										0	0	0.00
Chrysothamnus viscidiflorus																										0	0	0.00
Cowania mexicana																										0	0	0.00
Ceratoides lanata																										0	0	0.00
Ephedra viridis																										0	0	0.00
Sarcobatus vermiculatus																										0	0	0.00
Gutierrezia sarothrae																									1	1	2	2.44
Total Shrubs Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	9	18	21.95
Forbs & Succulents																										0	0	0.00
Machaeranthera canescens																										0	0	0.00
Medicago sativa																										0	0	0.00
Melilotus officinalis																										0	0	0.00
Penstemon palmeri																										0	0	0.00
Sphaeralcia coccinea																										0	0	0.00
Symbrium altissimum																												
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																												
Agropyron smithii																										0	0	0.00
Agropyron spicatum	1																									5	10	12.20
Agropyron cristatum																										0	0	0.00
Bromus tectorum																										8	16	19.51
Elymus salinus							1	1	1	1	1	1	1	1	1			1	1	1	1	1	1	1		16	32	39.02
Elymus cinereus																										0	0	0.00
Elymus giganteous																										0	0	0.00
Hilaria jamesii					1	1																				2	4	4.88
Oryzopsis hymenoides																										0	0	0.00
Sitanion hystrix																										1	2	2.44
Stipa comata																										0	0	0.00
Total Grass Cover	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	0	32	64	78.05
Trees																												
Juniper																										0	0	0.00
Pinon																										0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	41	82	100.00
Cryptobiotic																										0	0	
Physical Features																												
Litter																										1	2	
Rock																	1									2	4	
Bare Ground		1	1	1																						6	12	
Total Physical Features	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	9	18	
																										50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Comments:																												

Horse Canyon Revegatation Project Tally Sheet

Date:	Area: 6	Transect: 4	UTM: 555560/ 4368204	Heading: 200

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens			1						1	1	1														1																										5	10	12.20
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																												1					1																		2	4	4.88
Artemisia tridentata tridentata												1	1																					1					1												5	10	12.20
Chrysothamnus nauseosus																	1																																			1	2	2.44
Chrysothamnus viscidiflorus																																								1	1										3	6	7.32
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata				1																						1	1																									5	10	12.20
Ephedra viridis																																					1	1													0	0	0.00
Sarcobatus vermiculatus																																																		0	0	0.00
Gutierrezia sarothrae																																																		0	0	0.00
Total Shrubs Cover	0	0	1	1	0	0	0	0	1	1	1	1	1	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	0	0	1	1	1	1	1	0	0	0	0	0	0	0	1	21	42	51.22
Forbs & Succulents																																																					
Machaeranthera canescens																																																			0	0	0.00
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Syembrium alliaceum																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																					
Agropyron smithii																																																					
Agropyron spicatum	1				1	1	1																																												5	10	12.20
Agropyron cristatum																																																			0	0	0.00
Bromus tectorum		1						1						1	1	1							1	1					1	1	1	1											1								12	24	29.27
Elymus salinus																			1																																	1	2	2.44
Elymus cinereus																																																			0	0	0.00
Elymus giganteous																		1																																	1	2	2.44
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Sitanion hystrix																																																			0	0	0
Bromus inermis																																																		1			1	2	4
Stipa comata																																																			0	0	0.00
Total Grass Cover	1	1	0	0	1	1	1	1	0	0	0	0	0	1	1	1	0	1	1	0	0	0	1	1	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	20	40	48.78
Trees																																																					
Juniper																																																				0	0	0.00
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	0	0	0	0	1	1	1	41	82	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																					
Litter																																																			0	0	
Rock																				1	1	1																									1	1	1	1			7	14	
Bare Ground																																		1	1															2	4	
Total Physical Features	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	9	18	
																																																		50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Comments:																																																					

Horse Canyon Revegatation Project Tally Sheet

Date: | **Area: 6** | **Transect: 5** | **UTM: 555540/ 4368121** | **Heading: 59**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens								1	1									1								1	1													1					1	1					8	16	17.02
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata				1	1	1	1					1	1	1	1	1	1								1																										14	28	29.79
Chrysothamnus nauseosus																																																			0	0	0.00
Chrysothamnus viscidiflorus																																																			0	0	0.00
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	0	0	0	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1	1	1	22	44	46.81
Forbs & Succulents																																																			0	0	0.00
Gilmania squarrosa																																																					
Machaeranthera canescens																																																			0	0	0.00
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Sysimbrium altissimum																														1																					1	2	2.13
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2.13
Grasses																																																					
Agropyron smithii																																																				0	0	0.00
Agropyron spicatum																																1	1					1												4	8	8.51
Agropyron cristatum																																																			0	0	0.00
Bromus tectorum	1	1	1							1	1								1		1	1	1					1	1					1	1	1	1	1				1	1	1	1						20	40	42.55
Elymus salinus																																																			0	0	0.00
Elymus cinereus																																																			0	0	0.00
Elymus giganteous																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Sitanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	1	1	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	0	0	1	1	1	0	0	0	1	1	0	0	1	1	1	1	1	1	1	0	1	1	1	1	1	0	0	0	0	0	24	48	51.06
Trees																																																					
Juniper																																																				0	0	0.00
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	47	94	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																					
Litter																					1																																1	2	
Rock																														1																						1	2	
Bare Ground	0	0	0	0																1																																1	2	
Total Physical Features	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	6	
																																																		50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Comments:																																																					

Horse Canyon Revegatation Project Tally Sheet

Date: | **Area: 6** | **Transect: 6** | **UTM: 555561/ 4368136** | **Heading: 276**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens														1																																					1	2	2.33
Atriplex confertifolia																																																		0	0	0.00
Artemisia nova																																																		0	0	0.00
Artemisia tridentata tridentata													1		1	1	1	1																																5	10	11.63
Chrysothamnus nauseosus																														1																				0	0	0.00
Chrysothamnus viscidiflorus																																																		1	2	2.33
Cowania mexicana																																																		0	0	0.00
Ceratoides lanata																																																		0	0	0.00
Ephedra viridis																																																		0	0	0.00
Sarcobatus vermiculatus																																																		0	0	0.00
Gutierrezia sarothrae																																																		0	0	0.00
Total Shrubs Cover	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	14	16.28
Forbs & Succulents																																																						
Grindelia squarrosa																																																			0	0	0.00
Machaeranthera canescens																																																					
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Sysimbrium altissimum																																																			0	0	0.00
Grindelia squarrosa																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2.33
Grasses																																																					
Agropyron smithii																																					1															1	2	2.33
Agropyron spicatum	1	1	1	1		1	1	1				1							1		1	1	1	1		1	1	1	1		1	1	1	1	1	1			1	1	1		1					1		28	56	65.12
Agropyron cristatum																																																				0	0	0.00
Bromus tectorum																																			1		1														3	6	6.98
Elymus salinus																																														1	1					2	4	4.65
Elymus cinereus																																																			0	0	0.00
Elymus gigenteous																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides					1																																														1	2	2.33
Sitanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	1	1	1	1	1	1	1	1	0	0	0	1	0	0	0	0	0	0	1	0	1	1	1	1	0	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0	1	1	1	0	1	1	0	35	70	81.40
Trees																																																					
Juniper																																																			0	0	0.00
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	0	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	0	1	1	0	43	86	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																				
Litter																									1																											1	2	
Rock																																																			0	0	
Bare Ground	0	0	0						1	1	1									1																									1			1				6	12	
Total Physical Features	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	7	14	
																																																		50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Comments:																																																					

Horse Canyon Revegatation Project Tally Sheet

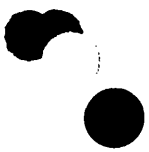
Date: | **Area: 6** | **Transect: 7** | **UTM: 555499/ 4368180** | **Heading: 172**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens						1	1							1	1				1									1	1	1	1							1									1	1			12	24	27.27
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova								1	1																																										2	4	4.55
Artemisia tridentata tridentata					1					1								1										1										1													5	10	11.36
Chrysothamnus nauseosus																																																			0	0	0.00
Chrysothamnus viscidiflorus																																					1									1					2	4	4.55
Cowania mexicana																																																			0	0	0.00
Coleloides lanata	1	1	1	1								1	1																																							6	12	13.64
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	0	0	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	1	1	1	0	0	0	0	0	1	1	1	0	0	27	54	61.36
Forbs & Succulents																																																						
Grindelia squarrosa																																																			0	0	0.00
Machaeranthera canescens																																																					
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Sysimbrium altissimum																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																					
Agropyron smithii																																																				0	0	0.00
Agropyron spicatum											1					1	1			1	1	1	1				1						1	1	1					1			1	1	1				1		16	32	36.36
Agropyron cristatum																																																				0	0	0.00
Bromus tectorum																																																			0	0	0.00
Elymus salinus																																																			0	0	0.00
Elymus cinereus																																																			0	0	0.00
Elymus gigantaeus																																	1																		1	2	2.27
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Sitanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	0	1	1	1	1	0	0	0	1	0	0	0	0	0	1	1	1	1	0	0	0	1	0	1	1	1	0	0	0	1	0	17	34	38.64
Trees																																																					
Juniper																																																				0	0	0.00
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	0	44	88	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																					
Litter																										1																											1	2	
Rock																								1																													2	4	
Bare Ground																									1																											1	3	6
Total Physical Features	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	6	12	
																																																		50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Comments:																																																					

Horse Canyon Revegatation Project Tally Sheet

Date: | **Area:6** | **Transect: 8** | **UTM: 555496/ 4368161** | **Heading: 271**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens			1	1											1							1																													6	16	20.00
Atriplex confertifolia																																									1	1	1					1			0	0.00
Artemisia nova																																																			0	0.00
Artemisia tridentata tridentata										1	1	1	1										1	1										1	1																0	0.00
Chrysothamnus nauseosus																																																			9	18	22.50
Chrysothamnus viscidiflorus		1																																																	0	0	0.00
Cowania mexicana																																									1										3	6	7.50
Ceratoides lanata																																																			0	0	0.00
Ephedra viridis																																													1						1	2	2.50
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	0	1	1	1	1	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	1	1	0	0	1	0	0	1	1	1	1	1	0	0	0	1	1	21	42	52.50
Forbs & Succulents																																																						
Grindelia squarrosa																																																			0	0	0.00
Machaeranthera canescens																																																					
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Sysimbrium altissimum																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																					
Agropyron smithii																																																					
Agropyron spicatum	1				1	1	1	1	1							1	1	1	1	1					1							1	1			1			1	1								1	1			0	0.00
Agropyron cristatum																																																				19	38	47.50
Bromus tectorum																																																			0	0	0.00
Elymus salinus																																																			0	0	0.00
Elymus cinereus																																																			0	0	0.00
Elymus giganteous																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Sitanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	1	0	0	0	1	1	1	1	1	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	1	0	0	0	0	0	0	1	1	0	0	1	0	0	1	1	0	0	0	0	0	0	1	1	0	0	19	38	47.50
Trees																																																					
Juniper																																																			0	0	0.00
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	0	0	0	0	0	0	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0	1	1	1	1	40	80	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																					
Litter																										1					1																					2	4	
Rock																																																			0	0	
Bare Ground										1											1						1	1	1	1					1										1						8	16	
Total Physical Features	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	10	20	
																																																			50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Comments:																																																					



Horse Canyon Revegatation Project Tally Sheet

Date: | **Area: 6** | **Transect: 9** | **UTM: 555456/ 4368153** | **Heading: 246**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens	1	1	1	1																											1	1	1	1	1	1															15	30	32.61
Atriplex confertifolia															1	1	1	1	1	1	1	1	1																							1	1	1	1	1	9	18	19.57
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata																																																		0	0	0.00
Chrysothamnus nauseosus																																																		0	0	0.00
Chrysothamnus viscidiflorus																																																		0	0	0.00
Cowania mexicana																																																		0	0	0.00
Ceratoides lanata															1																																				0	0	0.00
Ephedra viridis																																																		1	2	2.17
Sarcobatus vermiculatus																																																		0	0	0.00
Gutierrezia sarothrae					1																																													0	0	0.00
Total Shrubs Cover	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	26	52	56.52
Forbs & Succulents																																																					
Grindelia squarrosa																																																		0	0	0.00
Machaeranthera canescens																																																				
Medicago sativa																																																		0	0	0.00
Melilotus officinalis																																																		0	0	0.00
Penstemon palmeri																																																		0	0	0.00
Sphaeralcia coccinea																																																		0	0	0.00
Syeimbrium alliaimum																																																		0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																				
Agropyron smithii																																																				
Agropyron spicatum							1	1	1	1	1		1	1											1	1	1	1								1	1	1	1												0	0	0.00
Agropyron cristatum																																																			18	36	39.13
Bromus tectorum																													1	1																					0	0	0.00
Elymus salinus																																																			2	4	4.35
Elymus cinereus																																																			0	0	0.00
Elymus giganteous																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Sitanion hystrix																																																			0	0	0.00
Sitpa comata																																																			0	0	0.00
Total Grass Cover	0	0	0	0	0	0	1	1	1	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	20	40	43.48
Trees																																																				
Juniper																																																			0	0	0.00
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	1	0	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	46	92	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																				
Litter																																																			0	0	
Rock																																																			0	0	
Bare Ground					1							1																																	1	1						4	8	
Total Physical Features	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	4	8	
																																																		50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Comments:																																																				

Horse Canyon Revegatation Project Tally Sheet

Date: **Area:** **Transect:** **UTM:** **Heading:**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens				1	1	1						1	1	1	1	1	1	1	1						1	1	1																									14	28	31.11
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata																																																			0	0	0.00
Chrysothamnus nauseosus																																																			0	0	0.00
Chrysothamnus viscidiflorus																																																			0	0	0.00
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			3	6	6.67
Total Shrubs Cover	0	0	0	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	17	34	37.78
Forbs & Succulents																																																						
Grindelia squarrosa																																																			0	0	0.00
Machaeranthera canescens																																																					
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Syalmbrium altissimum																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																					
Agropyron smithii																																																			0	0	0.00
Agropyron spicatum		1	1				1	1		1										1											1			1	1							1	1						1	14	28	31.11
Agropyron cristatum																																																			0	0	0.00
Bromus tectorum	1										1										1	1	1	1				1	1	1	1						1	1	1	1											14	28	31.11
Elymus salinus																																																			0	0	0.00
Elymus cinereus																																																			0	0	0.00
Elymus giganteous																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Sitanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	1	1	1	0	0	0	1	1	0	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	0	0	0	0	1	1	0	1	28	56	62.22
Trees																																																					
Juniper																																																			0	0	0.00
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	0	1	45	90	100.00
Cryptobiotic																																																			1	1	2	
Physical Features																																																					
Litter																																																				0	0	
Rock																																																				0	0	
Bare Ground									1																								1	1									1							4	8	
Total Physical Features	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	4	8	
																																																		50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Comments:																																																					

Horse Canyon Revegatation Project Tally Sheet

Date: | **Area: 6** | **Transect: 11** | **UTM: 555518/ 4368132** | **Heading: 177**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens																																										1	1				1	1	1	5	10	12.82
Atriplex confertifolia																																																		0	0	0.00
Artemisia nova		1																																																1	2	2.56
Artemisia tridentata tridentata																			1	1	1							1								1															6	15	20.51
Chrysothamnus nauseosus																																																		0	0	0.00
Chrysothamnus viscidiflorus																																	1	1															2	4	5.13
Cowania mexicana																																																		0	0	0.00
Ceratoides lanata																																																		0	0	0.00
Ephedra viridis																																																		0	0	0.00
Sarcobatus vermiculatus																																																		0	0	0.00
Gutierrezia sarothrae							1																																											0	0	0.00
Total Shrubs Cover	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	1	0	0	0	0	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	20	40	51.28
Forbs & Succulents																																																						
Grindelia squarrosa																																																			0	0	0.00
Machaeranthera canescens																																																					
Medicago sativa																																																		0	0	0.00
Melilotus officinalis																																																		0	0	0.00
Penstemon palmeri																																																		0	0	0.00
Sphaeralcia coccinea																																																		0	0	0.00
Syntrichum alissimum																																																		0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																					
Agropyron smithii																																																			0	0	0.00
Agropyron spicatum	1		1	1	1	1			1	1			1	1	1			1				1	1								1						1				1										16	32	41.03
Agropyron cristatum																																																			0	0	0.00
Bromus tectorum												1																																							1	2	2.56
Elymus salinus																																																			0	0	0.00
Elymus cinereus																																																			0	0	0.00
Elymus giganteous																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides											1																		1																						2	4	5.13
Stanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	1	0	1	1	1	1	0	0	1	1	1	1	1	1	1	0	0	1	0	0	0	1	1	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	19	38	48.72
Trees																																																					
Juniper																																																			0	0	0.00
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	0	0	0	0	1	1	0	0	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	39	78	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																				
Litter																										1																										1	2	
Rock																																																			0	0	
Bare Ground								1								1	1							1	1				1	1										1	1										10	20	
Total Physical Features	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	1	1	0	0	1	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	11	22	
																																																		50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Comments:																																																					

Horse Canyon Revegatation Project Tally Sheet

Date: | **Area: 6** | **Transect: 12** | **UTM: 555463/ 4368117** | **Heading: 224**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens										1	1						1																																			4	8	10.26
Atriplex confertifolia																																														1				0	0	0.00
Artemisia nova																					1	1																													2	4	5.13
Artemisia tridentata tridentata				1					1			1	1			1							1	1										1	1	1			1	1	1			1				15	30	38.46
Chrysothamnus nauseosus																				1																															1	2	2.56
Chrysothamnus viscidiflorus																																																	0	0	0.00
Cowania mexicana																																																	0	0	0.00
Ceratoides lanata																																																	0	0	0.00
Ephedra viridis																																																	0	0	0.00
Sarcobatus vermiculatus																																																	0	0	0.00
Gutierrezia sarothrae																													1																				1	2	2.56
Total Shrubs Cover	0	0	0	1	0	0	0	0	1	1	1	1	1	0	0	1	1	0	0	1	1	1	1	1	0	0	0	0	1	0	0	0	0	0	1	1	1	0	1	0	0	0	0	1	1	1	1	1	0	0	23	46	58.97
Forbs & Succulents																																																					
Gilophila squarrosa																																																		0	0	0.00
Machaeranthera canescens																																																				
Medicago sativa																																																		0	0	0.00
Melilotus officinalis																																																		0	0	0.00
Penstemon palmeri	1																																																0	0	0.00
Sphaeralcia coccinea																																																		2	4	5.13
Sysimbrium altissimum																																																		0	0	0.00
Total Forb Cover	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2	4	5.13
Grasses																																																				
Agropyron smithii																																																				
Agropyron spicatum		1	1			1	1	1					1	1																				1							1						1	1	0	0	0.00
Agropyron cristatum																												1												1		1	1							14	28	35.90
Bromus tectorum																																																		0	0	0.00
Elymus salinus																																																		0	0	0.00
Elymus cinereus																																																		0	0	0.00
Elymus giganteus																																																		0	0	0.00
Hilaria jamesii																																																		0	0	0.00
Oryzopsis hymenoides																																																		0	0	0.00
Sitanion hystrix																																																		0	0	0.00
Stipa comata																																																		0	0	0.00
Total Grass Cover	0	1	1	0	0	1	1	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	1	0	1	1	0	0	0	0	0	1	1	14	28	35.90
Trees																																																				
Juniper																																																		0	0	0.00
Pinon																																																		0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	0	0	0	1	1	0	0	0	0	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	39	78	100.00
Cryptobiotic				1																																													1	2	
Physical Features																																																				
Litter																													1				1																2	4	
Rock																																																			0	0	
Bare Ground																		1	1						1	1	1				1	1												1							8	16	
Total Physical Features	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	1	1	0	0	1	1	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	10	20	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	
Comments:																																																				

Horse Canyon Revegatation Project Tally Sheet

Date: | **Area: 6** | **Transect: 13** | **UTM: 555454/ 4368117** | **Heading: 344**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens										1	1	1								1	1	1							1	1	1	1		1	1	1				1	1										15	30	35.71
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata									1																													1											3	6	7.14
Chrysothamnus nauseosus																																										1									6	12	14.29
Chrysothamnus viscidiflorus				1	1	1	1						1																				1																	0	0	0.00
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	0	0	0	1	1	1	1	0	1	1	1	1	1	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	1	1	1	0	0	0	0	0	0	0	24	48	57.14
Forbs & Succulents																																																			0	0	0.00
Grindelia squarrosa																																																					
Machaeranthera canescens																																																			0	0	0.00
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Syalmbrium allissimum																																																					
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																					
Agropyron smithii																																																				0	0	0.00
Agropyron spicatum								1						1	1			1	1				1	1				1														1	1	1	1						13	26	30.95
Agropyron cristatum																																																			0	0	0.00
Bromus tectorum	1	1																											1											1										4	8	9.52
Elymus salinus																																																			0	0	0.00
Elymus cinereus																																																			0	0	0.00
Elymus giganteous																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			1	2	2.38
Sitanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	1	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	1	1	0	0	0	1	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	0	0	18	36	42.86
Trees																																																					
Juniper																																																			0	0	0.00
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	42	84	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																				
Litter																											1																									1	2	
Rock																										1																									1	2	
Bare Ground			1													1	1								1																								1	1	6	12	
Total Physical Features	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	8	16	
																																																	50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Comments:																																																				

Horse Canyon Revegatation Project Tally Sheet

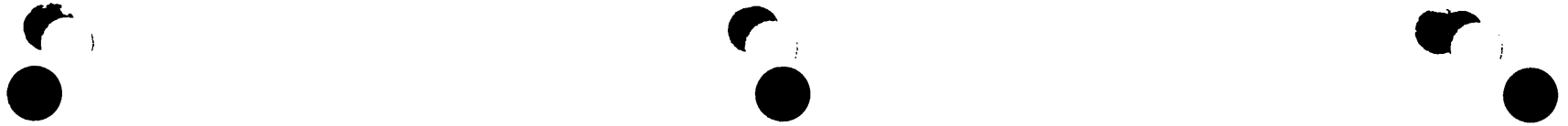
Date: | **Area: 6** | **Transect: 14** | **UTM: 555412/ 4368125** | **Heading: 40**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																					
Atriplex canescens							1	1	1	1								1	1	1	1												1		1	1										1					12	24	26.67
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata											1	1										1										1		1																	5	10	11.11
Chrysothamnus nauseosus																																																			0	0	0.00
Chrysothamnus viscidiflorus																																																			0	0	0.00
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																																																			0	0	0.00
Ephedra viridis																																													1						1	2	2.22
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	18	36	40.00
Forbs & Succulents																																																					
Grindelia squarrosa																																																			0	0	0.00
Machaeranthera canescens																																																					
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Sysimbrium altissimum																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																					
Agropyron smithii																																																			0	0	0.00
Agropyron spicatum						1							1	1	1	1							1	1			1	1	1	1	1						1	1		1	1	1	1	1			1	1		1	22	44	48.89
Agropyron cristatum																																																			0	0	0.00
Bromus tectorum	1	1	1	1	1																																														5	10	11.11
Elymus salinus																																																			0	0	0.00
Elymus cinereus																																																			0	0	0.00
Elymus giganteous																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Sitanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	1	1	1	1	1	1	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	1	1	0	0	1	1	1	1	1	0	0	0	0	0	1	1	0	1	1	1	1	1	0	0	1	1	0	1	27	54	60.00
Trees																																																					
Juniper																																																			0	0	0.00
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0	1	45	90	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																					
Litter																																																			0	0	
Rock																																																			0	0	
Bare Ground																	1								1	1													1										1		5	10	
Total Physical Features				0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	5	10	
																																																			50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Comments:																																																					

Horse Canyon Revegatation Project Tally Sheet

Date: | **Area: 6** | **Transect: 15** | **UTM: 555511/ 4368144** | **Heading: 330**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens									1	1	1	1	1	1	1	1																	1	1	1	1	1														13	26	27.66
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata								1																																										1	2	2.08
Chrysothamnus nauseosus																																																			0	0	0.00
Chrysothamnus viscidiflorus																																																			3	6	6.25
Coweria mexicana																																																			0	0	0.00
Ceratoides lanata																																1	1	1	1						1		1	1	1				1	1	10	20	20.83
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae							1																																												1	2	2.08
Total Shrubs Cover	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	28	56	58.33
Forbs & Succulents																																																						
Grindelia squarrosa																																																			0	0	0.00
Machaeranthera canescens			1																																																1	2	2.08
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Sysimbrium altissimum																																																			0	0	0.00
Grindelia squarrosa	1																																																		1	2	2.08
Total Forb Cover	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	4.17
Grasses																																																					
Agropyron smithii		1																																																	1	2	2.08
Agropyron spicatum				1	1												1	1	1	1		1	1	1		1	1																								11	22	22.92
Agropyron cristatum																																																			0	0	0.00
Bromus tectorum																					1							1	1	1	1																					5	10	10.42
Elymus salinus																																																			0	0	0.00
Elymus cinereus																																																			0	0	0.00
Elymus gigantieous																									1																											1	2	2.08
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Sitanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	36	37.50
Trees																																																					
Juniper																																																			0	0	0.00
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	48	98	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																					
Litter																																																			0	0	
Rock																																																			0	0	
Bare Ground						1																																													2	4	
Total Physical Features	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	2	4	
																																																		50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Comments:																																																					



Horse Canyon Revegetation Project Tally Sheet

Date: | **Area: 7** | **Transect: 1** | **UTM: 555242/ 4368079** | **Heading: 80**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens																																																			0	0	0.00
Atriplex confertifolia																																																		0	0	0.00
Artemisia nova																																																		0	0	0.00
Artemisia tridentata tridentata									1					1		1	1	1	1								1	1	1	1	1	1			1	1	1	1	1	1									1	20	40	55.56
Chrysothamnus nauseosus																																																		0	0	0.00
Chrysothamnus viscidiflorus			1																																							1	1	1	1					1	6	12	16.67
Cowania mexicana																																																		0	0	0.00
Ceratoides lanata																																																		0	0	0.00
Ephedra viridis																																																		0	0	0.00
Sarcobatus vermiculatus																																																		0	0	0.00
Gutierrezia sarothrae															1																																			1	2	2.78
Total Shrubs Cover	0	0	1	0	0	0	0	0	1	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	0	0	0	1	1	27	54	75.00
Forbs & Succulents																																																		0	0	0.00
Grindelia squarrosa																																																				
Machaeranthera canescens																																																		0	0	0.00
Medicago sativa																																																		0	0	0.00
Melilotus officinalis																																																		0	0	0.00
Penstemon palmeri													1																																					1	2	2.78
Sphaeralcia coccinea																																		1																1	2	2.78
Sysimbrium altissimum																																																				
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	5.56
Grasses																																																				
Agropyron smithii																																																			0	0	0.00
Agropyron spicatum		1					1			1	1									1																																5	10	13.89
Agropyron cristatum																																																			0	0	0.00
Bromus tectorum																																																			0	0	0.00
Elymus salinus																																																			0	0	0.00
Elymus cinereus																																																			0	0	0.00
Elymus gigenteous																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides								1																																											1	2	2.78
Sitanion hystrix	1																																																		1	2	2.78
Stipa comata																																																			0	0	0.00
Total Grass Cover	1	1	0	0	0	0	1	1	0	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	14	19.44
Trees																																																				
Juniper																																																			0	0	0.00
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	0	0	0	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0	0	0	1	1	36	72	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																				
Litter																																																	1	1	1		3	6	
Rock				1																																													1	2	
Bare Ground					1	1						1									1	1	1	1	1	1								1																10	20	
Total Physical Features	0	0	0	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1	0	0	14	28	
																																																		50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Comments:																																																				

Horse Canyon Revegatation Project Tally Sheet

Date: | **Area: 7** | **Transect: 2** | **UTM: 555388/ 4368086** | **Heading: 181**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens									1						1	1	1	1		1								1	1								1	1	1													11	22	27.50
Atriplex confertifolia																																																				0	0	0.00
Artemisia nova																																																				0	0	0.00
Artemisia tridentata tridentata					1	1	1	1											1								1						1	1	1	1					1	1	1	1	1			1	1	1	18	36	45.00
Chrysothamnus nauseosus																														1	1																					2	4	5.00
Chrysothamnus viscidiflorus																																																			0	0	0.00
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae				1																	1	1																															3	6	7.50
Total Shrubs Cover	0	0	0	1	1	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	34	68	85.00
Forbs & Succulents																																																						
Machaeranthera canescens																																																				0	0	0.00
Medicago sativa																																																				0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri		1																																																	1	2	2.50
Sphaeralcia coccinea																																																			0	0	0.00
Symbrium albaimum																																																					
Total Forb Cover	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2.50
Grasses																																																					
Agropyron smithii																																																				0	0	0.00
Agropyron spicatum																										1																											1	2	2.50
Agropyron cristatum																																																				0	0	0.00
Bromus tectorum		1											1	1																																						3	6	7.50
Elymus salinus																																																			0	0	0.00
Elymus cinereus																																																			0	0	0.00
Elymus giganteous																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																1																		1	2	2.50
Sitanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	0	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	10	12.50
Trees																																																					
Juniper																																																				0	0	0.00
Pinon																																																				0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	0	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	40	80	100.00
Cryptobiotic																																																				0	0	
Physical Features																																																					
Litter	1																																1																		4	8	
Rock																																																				0	0	
Bare Ground										1	1	1											1	1	1																												6	12	
Total Physical Features	1	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	10	20	
																																																			50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Comments:																																																					

Horse Canyon Revegatation Project Tally Sheet

Date: | **Area: 7** | **Transect: 3** | **UTM: 555371/ 4368080** | **Heading: 90**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens				1	1	1	1	1	1							1	1	1	1						1												1	1	1		1	1								16	32	36.36
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata	1	1	1									1	1	1	1					1	1	1	1							1	1	1	1	1	1							1	1	1	1			1	1	23	46	51.11
Chrysothamnus nauseosus																																																			0	0	0.00
Chrysothamnus viscidiflorus																																																			0	0	0.00
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0	0	0	0	1	1	1	1	1	1	0	1	1	1	0	1	1	1	1	1	1	0	0	1	1	39	78	86.67
Forbs & Succulents																																																						
Machaeranthera canescens																																																			0	0	0.00
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Syembrium altissimum																																																			1	2	2.22
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	2	2.22
Grasses																																																					
Agropyron smithii																																																			0	0	0.00
Agropyron spicatum																													1							1														2	4	4.44
Agropyron cristatum																																																			0	0	0.00
Bromus tectorum																								1																												3	6	6.67
Elymus salinus																																																			0	0	0.00
Elymus cinereus																																																			0	0	0.00
Elymus giganteous																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Sitanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	5	10	11.11
Trees																																																					
Juniper																																																			0	0	0.00
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	45	90	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																					
Litter										1	1																																								2	4	
Rock																																																				0	0	
Bare Ground																										1	1	1																								3	6	
Total Physical Features	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	10	
																																																		50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Comments:																																																					

Horse Canyon Revegatation Project Tally Sheet

Date: | **Area: 7** | **Transect: 4** | **UTM: 555417/ 4368064** | **Heading: 258**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens				1	1	1	1	1	1																							1	1	1				1	1	1	1	1	1	1	1			1	1	19	38	44.19
Atriplex confertifolia																																																				0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata			1							1	1	1				1	1	1	1	1			1	1	1				1	1	1				1											1				17	34	39.53
Chrysothamnus nauseosus																																																			0	0	0.00
Chrysothamnus viscidiflorus																																																			0	0	0.00
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	0	0	1	1	1	0	0	0	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	0	1	1	36	72	83.72
Forbs & Succulents																																																						
Machaeranthera canescens																																																				0	0	0.00
Medicago sativa																																																				0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Syembrium silisimum		1																																																	1	2	2.33
Total Forb Cover	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2.33
Grasses																																																					
Agropyron smithii																																																					
Agropyron spicatum																																																			0	0	0.00
Agropyron cristatum																																																			0	0	0.00
Bromus tectorum	1											1	1	1												1										1																6	12	13.95
Elymus salinus																																																				0	0	0.00
Elymus cinereus																																																			0	0	0.00
Elymus gigenteous																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Sitanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	6	12	13.95
Trees																																																					
Juniper																																																				0	0	0.00
Pinon																																																				0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	0	0	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	0	1	1	43	86	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																					
Litter																					1					1											1																3	6	
Rock																																																				0	0	
Bare Ground																						1						1											1											1		4	8	
Total Physical Features	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	7	14	
																																																			50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Comments:																																																					

Horse Canyon Revegatation Project Tally Sheet

Date: | **Area: 7** | **Transect: 5** | **UTM: 555412/ 4368092** | **Heading: 209**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens																																1	1	1				1	1	1	1	1										8	16	20.51
Atriplex confertifolia																																																				0	0	0.00
Artemisia nova																																																				1	2	2.56
Artemisia tridentata tridentata							1	1	1	1	1	1	1	1				1	1	1	1	1				1	1																									16	32	41.03
Chrysothamnus nauseosus																																																			0	0	0.00
Chrysothamnus viscidiflorus																																																			0	0	0.00
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																												1																								1	2	2.56
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	1	1	1	1	1	0	0	0	1	1	1	0	0	0	1	1	1	0	0	0	1	1	1	1	1	0	0	0	0	0	1	0	26	52	66.67
Forbs & Succulents																																																						
Grindelia squarrosa																																																				0	0	0.00
Machaeranthera canescens																																																					
Medicago sativa																																																				0	0	0.00
Melilotus officinalis																																																				0	0	0.00
Penstemon palmeri	1																																																			0	0	0.00
Sphaeralcia coccinea																															1																				2	4	5.13
Sysimbrium altissimum																																																				1	2	2.56
Total Forb Cover	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	3	6	7.69
Grasses																																																					
Agropyron smithii																																																				0	0	0.00
Agropyron spicatum																																																				0	0	0.00
Agropyron cristatum																																																				0	0	0.00
Bromus tectorum		1	1	1	1	1	1																		1					1	1				1																10	20	25.64
Elymus salinus																																																				0	0	0.00
Elymus cinereus																																																				0	0	0.00
Elymus giganteous																																																				0	0	0.00
Hilaria jamesii																																																				0	0	0.00
Oryzopsis hymenoides																																																				0	0	0.00
Sitanion hystrix																																																				0	0	0.00
Stipa comata																																																				0	0	0.00
Total Grass Cover	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	10	20	25.64
Trees																																																					
Juniper																																																				0	0	0.00
Pinon																																																				0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	0	39	78	100.00
Cryptobiotic																																																				0	0	
Physical Features																																																					
Litter																																	1																	1	2	4	
Rock																																																				0	0	
Bare Ground																1	1						1	1												1								1	1	1	1					9	18	
Total Physical Features	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1	1	1	0	0	1	11	22	
																																																			50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Comments:																																																					

Horse Canyon Revegatation Project Tally Sheet

Date: | **Area: 7** | **Transect: 6** | **UTM: 555410/ 4368066** | **Heading: 59**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens													1	1	1																						1	1	1	1	1	1						1	1	11	22	28.19
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata	1	1	1	1	1	1				1	1	1				1	1	1	1				1	1	1	1	1	1					1	1	1	1													0	0	0.00
Chrysothamnus nauseosus																																											1	1	1	1					27	54	64.29
Chrysothamnus viscidiflorus																																																			0	0	0.00
Cowania mexicana																																																			0	0	0.00
Coryloides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	38	76	90.48
Forbs & Succulents																																																						
Grindelia squarrosa																																																			0	0	0.00
Machaeranthera canescens																																																					
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Sysimbrium altissimum																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																					
Agropyron smithii																																																					
Agropyron spicatum																													1		1	1																				0	0	0.00
Agropyron cristatum																																																			4	8	9.52
Bromus tectorum																																																			0	0	0.00
Elymus salinus																																																			0	0	0.00
Elymus cinereus																																																			0	0	0.00
Elymus giganteous																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Sitanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	4	8	9.52
Trees																																																					
Juniper																																																			0	0	0.00
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	42	84	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																					
Litter								1	1											1										1																				1		5	10	
Rock																																																				0	0	
Bare Ground							1														1	1																													3	6	
Total Physical Features	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	8	16	
																																																		50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Comments:																																																					

Horse Canyon Revegatation Project Tally Sheet

Date: | **Area: 7** | **Transect: 7** | **UTM: 555423/ 4368102** | **Heading: 115**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens																										1	1	1	1						1	1	1	1	1	1	1	1	1	1							14	28	31.11
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata														1	1							1	1	1	1								1										1	1	1					10	20	22.22
Chrysothamnus nauseosus																																																			0	0	0.00
Chrysothamnus viscidiflorus	1	1											1																																						3	6	6.67
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	27	54	60.00
Forbs & Succulents																																																			0	0	0.00
Grindelia squarrosa																																																					
Machaeranthera canescens																																																			0	0	0.00
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Sysimbrium altissimum																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																					
Agropyron smithii																																																				0	0	0.00
Agropyron spicatum												1				1																																				2	4	4.44
Agropyron cristatum																																																			0	0	0.00
Bromus tectorum			1	1	1					1										1	1									1		1	1																	12	24	26.67
Elymus salinus																																																			0	0	0.00
Elymus cinereus																																																			0	0	0.00
Elymus glaucus																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides							1	1	1	1																																									4	8	8.89
Sitanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	0	0	1	1	1	1	1	1	1	1	0	1	0	0	0	1	0	0	0	1	1	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	18	36	40.00
Trees																																																					
Juniper																																																			0	0	0.00
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	45	90	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																					
Litter																			1												1																					2	4	
Rock																																																			0	0	
Bare Ground											1						1	1																																	3	6	
Total Physical Features	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	10	
																																																		50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Comments:																																																					

Horse Canyon Revegatation Project Tally Sheet

Date: | **Area: 7** | **Transect: 8** | **UTM: 555477/ 4368086** | **Heading: 240**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens					1	1										1		1	1							1	1																									14	28	33.33
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata	1							1	1	1					1				1					1	1																											9	18	21.43
Chrysothamnus nauseosus																																									1										0	0	0.00
Chrysothamnus viscidiflorus																																																		0	0	0.00
Cowania mexicana																																																		0	0	0.00
Ceratoides lanata																																																		0	0	0.00
Ephedra viridis																																																		0	0	0.00
Sarcobatus vermiculatus																																																		0	0	0.00
Gutierrezia sarothrae																																																		0	0	0.00
Total Shrubs Cover	1	0	0	0	0	1	1	1	1	1	0	0	0	0	1	1	1	1	1	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	23	46	54.76
Forbs & Succulents																																																						
Grindelia squarrosa																																																			0	0	0.00
Machaeranthera canescens																																																					
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Sysimbrium altissimum																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																					
Agropyron smithii																																																					
Agropyron spicatum														1																																							0	0	0.00
Agropyron cristatum																																	1																			2	4	4.76
Bromus tectorum			1	1							1									1			1				1							1	1	1	1	1											0	0	0.00
Elymus salinus																																																			12	24	28.57
Elymus cinereus																																																			0	0	0.00
Elymus giganteous																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides		1																																																	1	2	2.38
Sitanion hystrix																																																			0	0	0.00
Stipa comata																												1				1	1	1																	4	8	9.52
Total Grass Cover	0	1	1	1	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1	0	0	1	0	0	0	0	1	1	0	0	1	1	1	1	1	1	1	1	0	1	0	0	0	0	0	0	0	1	19	38	45.24
Trees																																																					
Juniper																																																			0	0	0.00
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	0	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	42	84	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																				
Litter											1										1	1								1	1															1					6	12	
Rock																																																				0	0	
Bare Ground					1								1																																						2	4	
Total Physical Features	0	0	0	0	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	8	16	
																																																		50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Comments:																																																					

Horse Canyon Revegatation Project Tally Sheet

Date: | **Area: 7** | **Transect: 9** | **UTM: 555420/ 4368160** | **Heading: 28**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens	1																	1	1								1																								7	14	15.91
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata		1	1	1	1	1									1	1	1			1	1							1		1																				12	24	27.27
Chrysothamnus nauseosus																																																			0	0	0.00
Chrysothamnus viscidiflorus																																							1	1	1									1	4	8	9.09
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																													1																						1	2	2.27
Total Shrubs Cover	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	1	1	1	1	24	48	54.55
Forbs & Succulents																																																			0	0	0.00
Grindelia squarrosa																																																					
Machaeranthera canescens																																																			0	0	0.00
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																								1																												1	2	2.27
Sphaeralcia coccinea																																																			0	0	0.00
Syalmbrium altissimum																																																					
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2.27
Grasses																																																					
Agropyron smithii																																																			0	0	0.00
Agropyron spicatum																							1		1	1					1		1																			5	10	11.36
Agropyron cristatum																																																			0	0	0.00
Bromus tectorum							1				1	1	1	1								1																															11	22	25.00
Elymus salinus																																																			0	0	0.00
Elymus cinereus																																																			0	0	0.00
Elymus giganteous																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			2	4	4.55
Sitanion hystrix																																																			0	0	0.00
Stipa comata																																		1																		1	2	2.27
Total Grass Cover	0	0	0	0	0	0	1	0	0	0	1	1	1	1	0	0	0	0	0	0	0	1	1	0	1	1	0	0	0	0	1	0	1	1	0	0	1	1	0	0	0	1	1	1	1	1	0	0	0	0	19	38	43.18
Trees																																																					
Juniper																																																				0	0	0.00
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	44	88	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																					
Litter								1																								1			1	1														4	8	
Rock									1																																											1	2	
Bare Ground										1																																										1	2	
Total Physical Features	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	12	
																																																		50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Comments:																																																					

Horse Canyon Revegetation Project Tally Sheet

Date: 7/3/2004 | **Area: 7** | **Transect: 10** | **UTM: 555467/4368124** | **Heading: 237**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens	1	1	1	1	1																	1	1							1			1	1																11	22	27.50
Atriplex confertifolia						1					1			1	1														1		1	1			1	1	1	1	1					1	1	1			16	32	40.00
Artemisia nova																																																		0	0	0.00
Artemisia tridentata tridentata																																																	0	0	0.00
Chrysothamnus nauseosus																																																	0	0	0.00
Chrysothamnus viscidiflorus																																																	0	0	0.00
Cowania mexicana																																																	0	0	0.00
Ceratoides lanata																																																	0	0	0.00
Ephedra viridis																																																	0	0	0.00
Sarcobatus vermiculatus																																																	0	0	0.00
Gutierrezia sarothrae																																																	0	0	0.00
Total Shrubs Cover	1	1	1	1	1	1	0	0	0	0	1	0	0	1	1	0	0	0	0	0	0	1	1	0	0	0	0	0	1	1	1	1	1	1	0	1	1	1	1	1	1	0	0	0	0	1	1	1	1	0	27	54	67.50
Forbs & Succulents																																																			0	0	0.00
Grindelia squarrosa																																																				
Machaeranthera canescens																																																		0	0	0.00
Medicago sativa																																																		0	0	0.00
Melilotus officinalis																																																		0	0	0.00
Penstemon palmeri																																																		0	0	0.00
Sphaeralcia coccinea																																																		0	0	0.00
Sysimbrium altissimum																																																		0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																				
Agropyron smithii																																																		0	0	0.00
Agropyron spicatum							1					1	1			1			1	1																															7	14	17.50
Agropyron orlatatum																																																		0	0	0.00
Bromus tectorum																				1	1						1	1								1															5	10	12.50
Elymus salinus																																																		0	0	0.00
Elymus cinereus																								1																											1	2	2.50
Elymus giganteous																																																		0	0	0.00
Hilaria jamesii																																																		0	0	0.00
Oryzopsis hymenoides																																																		0	0	0.00
Sitanion hystrix																																																		0	0	0.00
Stipa comata																																																		0	0	0.00
Total Grass Cover	0	0	0	0	0	0	1	0	0	0	0	1	1	0	0	1	0	1	1	1	1	0	0	1	0	0	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	13	26	32.50
Trees																																																				
Juniper																																																		0	0	0.00
Pinon																																																		0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	0	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	0	40	80	100.00
Cryptobiotic																																																		0	0	
Physical Features																																																			
Litter																	1																																	1	2	4	
Rock																																																		0	0	
Bare Ground								1	1	1															1	1																					1	1	1			8	16	
Total Physical Features	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	1	10	20	
																																																	50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Comments:																																																				

Horse Canyon Revegatation Project Tally Sheet

Date: | **Area: 7** | **Transect: 11** | **UTM: 555428/ 4368096** | **Heading: 50**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens				1	1					1	1							1	1	1					1	1	1	1																						12	24	30.00
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata							1	1	1	1							1							1					1	1										1	1									10	20	25.00
Chrysothamnus nauseosus																																																		0	0	0.00
Chrysothamnus viscidiflorus																																																1	1	2	2.50
Cowania mexicana																																																		0	0	0.00
Ceratoides lanata																																																		0	0	0.00
Ephedra viridis																																																		0	0	0.00
Sarcobatus vermiculatus																																																		0	0	0.00
Gutierrezia sarothrae																																																		0	0	0.00
Total Shrubs Cover	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	1	1	1	1	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1	23	46	57.50
Forbs & Succulents																																																			0	0	0.00
Grindelia squarrosa																																																					
Machaeranthera canescens																																																		0	0	0.00
Medicago sativa																																																		0	0	0.00
Melilotus officinalis																																																		0	0	0.00
Penstemon palmeri																																																		0	0	0.00
Sphaeralcia coccinea																																																		0	0	0.00
Syalnbrium allesimum																																																				
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																					
Agropyron smithii																																																			0	0	0.00
Agropyron spicatum	1	1											1																																							3	6	7.50
Agropyron cristatum																																																			0	0	0.00
Bromus tectorum												1				1					1	1													1	1	1	1	1			1	1	1			1	1			14	28	35.00
Elymus salinus																																																			0	0	0.00
Elymus cinereus																																																			0	0	0.00
Elymus gigantecus																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Sitanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	1	1	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	1	1	1	0	0	1	1	0	0	17	34	42.50
Trees																																																					
Juniper																																																			0	0	0.00
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	0	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	40	80	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																				
Litter														1	1									1							1															1						5	10	
Rock																																																			0	0	
Bare Ground			1																													1	1	1										1					5	10	
Total Physical Features	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	10	20	
																																																		50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Comments:																																																				

Horse Canyon Revegatation Project Tally Sheet

Date: | **Area: 7** | **Transect: 12** | **UTM: 555442/ 4368100** | **Heading: 159**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens																										1	1	1	1	1	1	1	1																				10	20	23.81
Atriplex confertifolia																																																				0	0	0.00
Artemisia nova																																																				0	0	0.00
Artemisia tridentata tridentata			1					1	1	1	1														1												1															8	16	19.05
Chrysothamnus nauseosus																																																				0	0	0.00
Chrysothamnus viscidiflorus																																																				0	0	0.00
Cowania mexicana																																																				0	0	0.00
Ceratoides lanata																																																				0	0	0.00
Ephedra viridis																																																				0	0	0.00
Sarcobatus vermiculatus																																																				0	0	0.00
Gutierrezia sarothrae		1																																																		1	2	2.38
Total Shrubs Cover	0	1	1	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1	19	38	45.24
Forbs & Succulents																																																				0	0	0.00
Grindelia squarrosa																																																						
Machaeranthera canescens																																																				0	0	0.00
Medicago sativa																																																				0	0	0.00
Melilotus officinalis																																																				0	0	0.00
Penstemon palmeri	1																																																			1	2	2.38
Sphaeralcia coccinea																																																				0	0	0.00
Sysimbrium altissimum																																																					
Total Forb Cover	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2.38
Grasses																																																					
Agropyron smithii																																																				0	0	0.00
Agropyron spicatum				1			1										1	1			1														1																	6	12	14.29
Agropyron cristatum																																																				0	0	0.00
Bromus tectorum												1	1	1	1	1						1	1	1										1		1		1	1				1	1	1	1					16	32	38.10
Elymus salinus																																																				0	0	0.00
Elymus cinereus																																																				0	0	0.00
Elymus giganteous																																																				0	0	0.00
Hilaria jamesii																																																				0	0	0.00
Oryzopsis hymenoides																																																				0	0	0.00
Sitanion hystrix																																																				0	0	0.00
Stipa comata																																																				0	0	0.00
Total Grass Cover	0	0	0	1	0	0	1	0	0	0	0	1	1	1	1	1	1	1	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	0	1	1	0	0	0	0	1	1	1	1	0	0	0	22	44	52.38
Trees																																																					
Juniper																																																				0	0	0.00
Pinon																																																				0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	42	84	100.00
Cryptobiotic																																																				0	0	
Physical Features																																																					
Litter																				1																																		3	6	
Rock																																																				0	0	
Bare Ground					1	1													1																																	5	10	
Total Physical Features	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8	16	
																																																			50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Comments:																																																					

Horse Canyon Revegatation Project Tally Sheet

Date: | **Area: 7** | **Transect: 13** | **UTM: 555455/ 4368105** | **Heading: 302**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens																				1							1												1	1											4	8	8.70
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata									1	1	1	1	1							1						1									1	1	1														10	20	21.74
Chrysothamnus nauseosus																																																			0	0	0.00
Chrysothamnus viscidiflorus																							1																		1										2	4	4.35
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																												1							1	2	2.17
Total Shrubs Cover	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	1	1	0	1	0	0	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	1	0	0	0	0	0	0	0	17	34	36.96
Forbs & Succulents																																																			0	0	0.00
Grindelia squarrosa																																																					
Machaeranthera canescens																																																			0	0	0.00
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea														1																																					1	2	2.17
Sysimbrium altissimum																																	1																		1	2	2.17
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	4.35
Grasses																																																					
Agropyron smithii																																																			0	0	0.00
Agropyron spicatum																						1										1		1										1							4	8	8.70
Agropyron cristatum																																																			0	0	0.00
Bromus tectorum	1	1	1	1	1	1	1											1	1					1	1			1	1	1	1											1	1		1		1	1	20	40	43.48
Elymus salinus																																																			0	0	0.00
Elymus cinereus																																																			0	0	0.00
Elymus gigenteous																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Sitanion hystrix																																																			0	0	0.00
Stipa comata																																										1	1					1				3	6	6.52
Total Grass Cover	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0	1	1	0	0	1	1	1	1	1	0	1	0	0	0	0	0	0	1	1	0	1	1	1	1	1	1	1	27	54	58.70
Trees																																																					
Juniper																																																			0	0	0.00
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	1	1	1	0	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	46	92	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																					
Litter																																																				0	0	
Rock															1																																						1	2	
Bare Ground								1								1	1																																		3	6	
Total Physical Features	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	8	
																																																		50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Comments:																																																					

Horse Canyon Revegatation Project Tally Sheet

Date: | **Area: 7** | **Transect: 14** | **UTM: 555410/ 4368109** | **Heading: 255**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																					
Atriplex canescens				1																		1	1	1																									.1	8	16	20.00
Atriplex confertifolia																																									1	1	1								0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata						1	1	1	1	1	1	1	1	1	1			1	1	1	1				1					1								1	1	1	1							1		21	42	52.50
Chrysothamnus nauseosus																																																			0	0	0.00
Chrysothamnus viscidiflorus																																																			0	0	0.00
Cowania mexicana					1																																														0	0	0.00
Ceratoides lanata																																																			1	2	2.50
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																										1																											0	0	0.00
Total Shrubs Cover	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	1	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	1	1	1	2	2.50
Forbs & Succulents																																																						
Grindelia squarrosa																																																			0	0	0.00
Machaeranthera canescens																																																					
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea	1		1																												1																			0	0	0.00
Sysimbrium altissimum																																																			3	6	7.50
Total Forb Cover	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	6	7.50
Grasses																																																					
Agropyron smithii																																																					
Agropyron spicatum																																																			0	0	0.00
Agropyron cristatum																																																			0	0	0.00
Bromus tectorum		1														1	1																																		0	0	0.00
Elymus salinus																																				1	1									1					6	12	15.00
Elymus cinereus																																																			0	0	0.00
Elymus giganteous																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Sitanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	0	0	0	0	6	12	15.00
Trees																																																					
Juniper																																																			0	0	0.00
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	1	40	80	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																					
Litter																														1			1																		2	4	
Rock																																																				0	0	
Bare Ground																											1	1	1					1	1											1	1	1			8	16	
Total Physical Features	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	0	10	20	
																																																			50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Comments:																																																					

Horse Canyon Revegatation Project Tally Sheet

Date: | **Area: 7** | **Transect: 15** | **UTM: 555422/ 4368110** | **Heading: 136**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens						1	1	1																						1	1							1	1	1	1									9	18	20.45
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata									1	1	1						1	1	1	1	1						1	1	1			1	1	1	1								1	1	1	1			1	1	20	40	45.45
Chrysothamnus nauseosus																																																			0	0	0.00
Chrysothamnus viscidiflorus																																																			0	0	0.00
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	0	0	0	1	1	29	58	65.91
Forbs & Succulents																																																						
Grindelia squarrosa																																																			0	0	0.00
Machaeranthera canescens																																																					
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Syaimbrium alliaimum																																			1	1															2	4	4.55
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	4.55
Grasses																																																					
Agropyron smithii																																																			0	0	0.00
Agropyron spicatum																1									1																											2	4	4.55
Agropyron cristatum																																																			0	0	0.00
Bromus tectorum			1	1	1																	1	1	1													1														9	18	20.45
Elymus salinus																																																			0	0	0.00
Elymus cinereus																																																			0	0	0.00
Elymus gigantaeus																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides	1	1																																																		2	4	4.55
Sitanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	0	0	13	26	29.55
Trees																																																				
Juniper																																																			0	0	0.00
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	44	88	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																				
Litter																																																			1	2	
Rock																																																			0	0	
Bare Ground												1	1	1	1										1																											5	10	
Total Physical Features	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	6	12	
																																																		50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Comments:																																																				

Horse Canyon Revegatation Project Tally Sheet

Date: | **Area: 11** | **Transect: 1** | **UTM: 554961/ 4367523** | **Heading: 10**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens																																	1	1		1	1																
Atriplex confertifolia																																																			4	8	6.16
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata																														1																					0	0	0.00
Chrysothamnus nauseosus				1	1																																													1	2	2.04
Chrysothamnus viscidiflorus		1	1								1	1	1	1	1	1	1	1	1			1	1	1	1	1	1	1	1			1										1	1	1	1	1				25	50	51.02
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae	1																																																			1	2	2.04
Total Shrubs Cover	1	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	0	1	1	1	0	1	1	0	0	0	0	0	1	1	1	1	1	1	0	0	0	33	66	67.35
Forbs & Succulents																																																						
Machaeranthera canescens																																																		1	1	2	2.04
Medicago sativa																																																				0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Sysimbrium altissimum																																																			0	0	0.00
Grindelia squarrosa						1																																													1	2	2.04
Total Forb Cover	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	4.08
Grasses																																																					
Agropyron smithii																																																					
Agropyron spicatum							1	1	1	1										1	1														1																0	0	0.00
Agropyron cristatum																																			1				1			1							1	1		11	22	22.45
Bromus tectorum																																																			0	0	0.00
Elymus salinus																														1							1					1								3	6	6.12
Elymus cinereus																																																			0	0	0.00
Elymus giganteous																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Sitanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1	1	0	1	1	0	0	0	0	0	1	1	0	14	28	28.57
Trees																																																					
Juniper																																																			0	0	0.00
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	49	98	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																					
Litter																																																			0	0	
Rock																																																			0	0	
Bare Ground																																																	1			1	2	
Total Physical Features	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	2	
																																																		50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Comments:																																																					

Horse Canyon Revegetation Project Tally Sheet

Date: | **Area: 11** | **Transect: 2** | **UTM: 554952/ 4367588** | **Heading: 215**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens					1	1			1				1		1						1	1	1	1	1	1								1								1									13	26	40.63
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata							1	1				1		1																1	1	1										1								1	9	18	28.13
Chrysothamnus nauseosus																																																			0	0	0.00
Chrysothamnus viscidiflorus																																																			0	0	0.00
Coweria mexicana																																																			0	0	0.00
Ceratoides lanata																																																			1	2	3.13
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	0	0	0	0	1	1	1	1	1	0	0	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	1	1	1	1	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	23	46	71.88
Forbs & Succulents																																																						
Machaeranthera canescens																																																			0	0	0.00
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcea coccinea																																																			0	0	0.00
Symphyotrichum ericoides																																																					
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																					
Agropyron smithii																																																			0	0	0.00
Agropyron spicatum											1																1				1																				3	6	9.38
Agropyron cristatum																																																			0	0	0.00
Bromus tectorum				1						1																																									2	4	6.25
Elymus salinus																																																			2	4	6.25
Elymus cinereus																																																			2	4	6.25
Elymus giganteous																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	9	18	28.13
Trees																																																					
Juniper																																																					
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	1	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	0	0	1	1	32	64	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																					
Litter																												1																								1	2	
Rock																													1																								1	2	
Bare Ground	1	1	1													1	1	1	1	1										1							1															2	4	
																																					1	1	1	1											14	28	
Total Physical Features	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	1	1	0	0	18	36	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	
Comments:																																																					

Horse Canyon Revegatation Project Tally Sheet

Date: | Area: 11 | Transect: 3 | UTM: 554933/ 4367549 | Heading: 99

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetatove Cover
Shrubs																																																					
Atriplex canescens		1	1																										1							1	1						1	1							7	14	17.50
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata																																																		1	1	2	2.50
Chrysothamnus nauseosus																																																			0	0	0.00
Chrysothamnus viscidiflorus																																																			0	0	0.00
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																																			1																1	2	2.50
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1	0	0	0	0	0	1	1	0	0	0	0	0	1	9	18	22.50
Forbs & Succulents																																																					
Machaeranthera canescens																																																			0	0	0.00
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Symbrium altissimum																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																						
Agropyron smithii																																																			0	0	0.00
Agropyron spicatum	1			1	1	1	1	1	1	1	1	1						1	1	1	1	1	1	1	1			1			1	1	1						1	1	1	1						1	1		28	56	70.00
Agropyron cristatum																																																			0	0	0.00
Bromus tectorum																														1				1				1													3	6	7.50
Elymus salinus																																																			0	0	0.00
Elymus cinereus																																																			0	0	0.00
Elymus giganteous																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Sitanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	1	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	1	0	1	1	1	1	1	0	0	0	1	1	1	1	1	0	0	0	0	0	1	1	0	31	62	77.50
Trees																																																					
Juniper																																																			0	0	0.00
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegitation Cover	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	40	80	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																					
Litter																																																			0	0	
Rock															1	1	1																																		3	6	
Bare Ground													1	1												1	1																		1	1	1				7	14	
Total Physical Features	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	10	20	
																																																			50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Comments:																																																					

Horse Canyon Revegatation Project Tally Sheet

Date:	Area: 11	Transect: 4	UTM: 554935/ 4367540	Heading: 265		

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens			1	1	1						1	1	1	1	1												1																									6	18	27.27
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata																																																		1	1	2	3.03
Chrysothamnus nauseosus																																																			0	0	0.00
Chrysothamnus viscidiflorus																											1																									1	2	3.03
Coweria mexicana																1																																			1	2	3.03
Ceratoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	0	0	1	1	1	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	12	24	36.36
Forbs & Succulents																																																						
Machaeranthera canescens								1																																												0	0	0.00
Medicago sativa																																																				1	2	3.03
Malliotus officinalis																																																			0	0	0.00
Penstemon palmeri																										1																									0	0	0.00
Sphaeralcia coccinea																																								1											2	4	6.06
Dyssodium silicatum																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	3	6	9.09
Grasses																																																					
Agropyron smithii																																																					
Agropyron spicatum	1	1				1			1	1												1							1	1								1	1	1		1			1	1		1	1	1			0	0	0.00
Agropyron cristatum																																																				17	34	51.52
Bromus tectorum																																																			0	0	0.00
Elymus salinus																																																			0	0	0.00
Elymus cinereus																																																			0	0	0.00
Elymus giganteous																																																			0	0	0.00
Hilaria jamesii																																																			1	2	3.03
Oryzopsis hymenoides																																																			0	0	0.00
Sitanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	1	1	0	0	0	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	1	0	1	0	0	1	1	1	1	1	1	0	18	36	54.55
Trees																																																					
Juniper																																																					
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1	0	0	0	1	1	1	1	1	0	0	0	0	0	0	1	1	1	1	1	0	0	1	1	1	1	1	1	1	33	66	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																					
Litter																						1										1																				2	4	
Rock																																																			0	0	
Bare Ground							1										1	1	1	1	1			1	1						1	1		1	1	1							1	1						15	30	
Total Physical Features	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	1	1	1	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	17	34	
																																																			50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Comments:																																																					

Horse Canyon Revegatation Project Tally Sheet

Date: | **Area: 11** | **Transect: 5** | **UTM: 554888/ 4367484** | **Heading: 124**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetatove Cover
Shrubs																																																						
Atriplex canescens								1	1	1	1	1													1	1				1	1										1	1									11	22	27.50
Atriplex confertifolia																																																				0	0	0.00
Artemisia nova																																																				0	0	0.00
Artemisia tridentata tridentata																																																1	1		2	4	5.00
Chrysothamnus nauseosus																																																				0	0	0.00
Chrysothamnus viscidiflorus																																																				0	0	0.00
Cowania mexicana																																																				0	0	0.00
Ceratoides lanata																																																				0	0	0.00
Ephedra viridis																																																				0	0	0.00
Sarcobatus vermiculatus																																																				0	0	0.00
Gutierrezia sarothrae																																																				0	0	0.00
Total Shrubs Cover	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	1	0	13	26	32.50
Forbs & Succulents																																																						
Grindelia squarrosa																																																				0	0	0.00
Machaeranthera canescens																																																				0	0	0.00
Medicago sativa		1																																										1								2	4	5.00
Melilotus officinalis																																																				0	0	0.00
Penstemon palmeri																																																				0	0	0.00
Sphaeralcia coccinea																						1																														1	2	2.50
Sysimbrium altissimum																																																						
Total Forb Cover	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	3	6	7.50
Grasses																																																						
Agropyron smithii																																																				0	0	0.00
Agropyron spicatum	1						1						1						1	1	1		1	1				1	1				1	1	1	1	1							1			1				17	34	42.50
Agropyron cristatum																											1																									1	2	2.50
Bromus tectorum																																1						1	1	1						1					5	10	12.50
Elymus salinus																																																				0	0	0.00
Elymus cinereus																																																				0	0	0.00
Elymus giganteous																																																				0	0	0.00
Hilaria jamesii																																																				0	0	0.00
Oryzopsis hymenoides																																																				1	2	2.50
Sitanion hystrix																																																				0	0	0.00
Stipa comata																																																				0	0	0.00
Total Grass Cover	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	1	0	1	1	0	0	1	1	1	0	0	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	0	0	0	24	48	60.00
Trees																																																						
Juniper																																																				0	0	0.00
Pinon																																																				0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	40	80	100.00
Cryptobiotic																																																						
Physical Features																																																				0	0	
Litter																																																						
Rock																																																				0	0	
Bare Ground			1	1	1	1								1	1	1	1	1																																	1	10	20	
Total Physical Features	0	0	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	10	20	
																																																				50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Comments:																																																						

Horse Canyon Revegatation Project Tally Sheet

Date: | **Area: 11** | **Transect: 6** | **UTM: 554871/ 4367437** | **Heading: 216**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																			
Atriplex canescens						1	1																1	1																											4	8	11.11
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata																									1																											1	2	2.78
Chrysothamnus nauseosus																																																			0	0	0.00
Chrysothamnus viscidiflorus																																																			0	0	0.00
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	10	13.89
Forbs & Succulents																																																				0	0	0.00
Grindelia squarrosa																																																						
Machaeranthera canescens																																																			1		1	2	2.78
Medicago sativa																																																				0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcea coccinea																																																			0	0	0.00
Symphorium albiflorum																																																			0	0	0.00
Phacelia crenulata																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	1	2	2.78
																																																		2	4	5.56
Grasses																																																						
Agropyron smithii																																																				0	0	0.00
Agropyron spicatum																																																				0	0	0.00
Agropyron cristatum																																																				0	0	0.00
Bromus tectorum	1		1	1	1			1	1	1	1	1	1	1	1	1	1			1	1	1				1	1					1	1	1	1						1	1		1	1			1		28	56	77.78
Elymus salinus																																																				0	0	0.00
Elymus cinereus																																																			0	0	0.00
Elymus gigenteous																																																			1	2	2.78
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
																																																			0	0	0.00
Total Grass Cover	1	0	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	0	0	0	1	1	0	0	0	0	1	1	1	1	0	0	0	1	0	0	1	1	0	1	1	0	0	1	0	29	58	80.56
Trees																																																					
Juniper																																																						
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
																																																			0	0	0.00
Total Vegetation Cover	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1	0	0	0	1	0	0	1	1	1	1	1	0	1	1	0	36	72	100.00
Cryptobiotic																																																						
Physical Features																																																				0	0	
Litter																																																					
Rock																																																				0	0	
Bare Ground		1																1	1									1	1	1	1					1	1	1		1	1						1			1	14	28	
Total Physical Features	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	0	1	1	0	0	0	0	0	0	1	0	0	1	14	28	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	

Comments:

Horse Canyon Revegatation Project Tally Sheet

Date: | **Area: 11** | **Transect: 7** | **UTM: 554836/ 4367449** | **Heading: 230**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetatove Cover
Shrubs																																																					
Atriplex canescens												1	1								1	1	1	1							1	1	1									1									10	20	21.74
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata																																											1	1							2	4	4.35
Chrysothamnus nauseosus																																																			0	0	0.00
Chrysothamnus viscidiflorus																																																			0	0	0.00
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																									1																										1	2	2.17
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	13	26	28.26
Forbs & Succulents																																																			0	0	0.00
Grindelia squarrosa																																																					
Machaeranthera canescens																																																			0	0	0.00
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																		1	1	2	2.17
Sphaeralcia coccinea																																																			0	0	0.00
Sysimbrium altissimum																																																					
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2.17
Grasses																																																					
Agropyron smithii																																																			0	0	0.00
Agropyron spicatum	1	1	1	1	1		1	1	1						1	1	1	1	1	1						1	1	1	1	1				1	1	1					1				1	1	1	1	1		28	56	60.87
Agropyron cristatum																																																			0	0	0.00
Bromus tectorum						1				1				1																																					0	0	0.00
Elymus salinus																																																			3	6	6.52
Elymus cinereus																																																			0	0	0.00
Elymus giganteous																																																				0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides											1																																								0	0	0.00
Stanion hystrix																																																			1	2	2.17
Stipa comata																																																			0	0	0.00
Total Grass Cover	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	0	0	0	0	0	1	1	1	1	1	0	0	0	1	1	1	0	0	0	0	1	0	0	0	1	1	1	1	1	0	32	64	69.57
Trees																																																					
Juniper																																																			0	0	0.00
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	46	92	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																					
Litter																																																			0	0	
Rock																																																			0	0	
Bare Ground																																					1	1	1	1											4	8	
Total Physical Features	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	4	8	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	
Comments:																																																					

Horse Canyon Revegatation Project Tally Sheet

Date: | **Area: 11** | **Transect: 8** | **UTM: 554812/ 4367396** | **Heading: 70**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetatove Cover
Shrubs																																																					
Atriplex canescens													1	1													1	1	1			1	1				1	1						1	1						11	22	25.00
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata																														1	1			1	1											1	1			1	7	14	15.91
Chrysothamnus nauseosus																																																			0	0	0.00
Chrysothamnus viscidiflorus																																																			0	0	0.00
Cowania mexicana	1																																																		1	2	2.27
Ceratoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	1	1	0	0	0	0	0	1	1	1	1	0	0	1	19	38	43.18
Forbs & Succulents																																																			0	0	0.00
Grindelia squarrosa																																																					
Machaeranthera canescens																																				1															1	2	2.27
Medicago sativa																																																			0	0	0.00
Melilotus officinale																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Sisymbrium altissimum																																																					
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2.27
Grasses																																																					
Agropyron smithii																																																			0	0	0.00
Agropyron spicatum		1	1			1	1												1	1	1																														7	14	15.91
Agropyron cristatum																																																			0	0	0.00
Bromus tectorum								1	1	1	1	1			1	1	1	1				1	1	1	1	1													1	1			1								17	34	38.64
Elymus salinus																																																			0	0	0.00
Elymus cinereus																																																			0	0	0.00
Elymus giganteus																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Sitanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	0	1	1	0	0	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0	0	0	0	0	0	0	24	48	54.55
Trees																																																					
Juniper																																																			0	0	0.00
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	0	0	1	44	88	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																					
Litter																																																			0	0	
Rock				1																																															1	2	
Bare Ground					1																																				1	1						1	1		5	10	
Total Physical Features	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	1	0	6	12	
																																																			50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Comments:																																																					

Horse Canyon Revegatation Project Tally Sheet

Date: | **Area: 11** | **Transect: 9** | **UTM: 554551/ 4367249** | **Heading: 32**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetatove Cover
Shrubs																																																						
Atriplex canescens			1	1	1	1					1	1	1											1									1	1	1																11	22	23.91
Atriplex confertifolia																																																				0	0	0.00
Artemisia nova																																																				0	0	0.00
Artemisia tridentata tridentata														1	1	1							1																													4	8	8.70
Chrysothamnus nauseosus		1																																																		1	2	2.17
Chrysothamnus viscidiflorus																																																				0	0	0.00
Cowania mexicana																																																				0	0	0.00
Ceratoides lanata																																																				0	0	0.00
Ephedra viridis																																																				0	0	0.00
Sarcobatus vermiculatus																																																				0	0	0.00
Gutierrezia sarothrae																																																				0	0	0.00
Total Shrubs Cover	0	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	32	34.78
Forbs & Succulents																																																				0	0	0.00
Grindelia squarrosa																																																						
Machaeranthera canescens																																																				0	0	0.00
Medicago sativa																																																				0	0	0.00
Melilotus officinalis																																																				0	0	0.00
Penstemon palmeri																																																				0	0	0.00
Sphaeralcia coccinea																																																				0	0	0.00
Sysimbrium altissimum																																																						
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																						
Agropyron smithii																																																				0	0	0.00
Agropyron spicatum																	1										1	1								1															4	8	8.70
Agropyron cristatum																																																				0	0	0.00
Bromus tectorum	1						1	1	1	1										1	1	1			1	1			1	1	1	1						1	1	1	1	1	1	1	1	1	1	1		1	26	52	56.52
Elymus salinus																																																				0	0	0.00
Elymus cinereus																																																				0	0	0.00
Elymus giganteous																																																				0	0	0.00
Hilaria jamesii																																																				0	0	0.00
Oryzopsis hymenoides																																																				0	0	0.00
Sitanion hystrix																																																				0	0	0.00
Stipa comata																																																				0	0	0.00
Total Grass Cover	1	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	1	0	0	1	1	1	0	0	1	1	1	1	1	1	1	1	0	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	0	1	30	60	65.22
Trees																																																						
Juniper																																																				0	0	0.00
Pinon																																																				0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	0	1	46	92	100.00
Cryptobiotic																																																				0	0	
Physical Features																																																						
Litter																			1																															1		2	4	
Rock																																																				0	0	
Bare Ground																		1																			1														2	4	
Total Physical Features	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	4	8	
																																																				50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Comments:																																																						

Horse Canyon Revegatation Project Tally Sheet

Date: | Area: 11 | Transect: 10 | UTM: 554568/ 4367304 | Heading: 68

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetatove Cover
Shrubs																																																					
Atriplex canescens									1	1	1	1	1	1									1	1						1	1	1																			11	22	29.73
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata																																																			0	0	0.00
Chrysothamnus nauseosus																																																			0	0	0.00
Chrysothamnus viscidiflorus																																																			0	0	0.00
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata	1																																																		1	2	2.70
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	1	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	24	32.43
Forbs & Succulents																																																			0	0	0.00
Grindelia squarrosa																																																					
Machaeranthera canescens																																																			0	0	0.00
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Sysimbrium altissimum																																																					
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																					
Agropyron smithii																																																			0	0	0.00
Agropyron spicatum		1	1	1	1										1	1	1	1	1	1									1				1	1	1							1				1	1				17	34	45.95
Agropyron cristatum																																																			0	0	0.00
Bromus tectorum						1	1	1																			1	1															1	1							7	14	18.92
Elymus salinus																																																			0	0	0.00
Elymus cinereus																																																			0	0	0.00
Elymus giganteous																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																													1						1	2	2.70
Sitanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	0	1	1	1	1	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	1	1	1	0	0	0	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	25	50	67.57
Trees																																																					
Juniper																																																			0	0	0.00
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	37	74	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																						
Litter																																																			0	0	
Rock																					1	1																		1	1										4	8	
Bare Ground																									1	1										1	1	1	1									1	1	1	9	18	
Total Physical Features	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	1	1	1	13	26	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	
Comments:																																																					

Horse Canyon Revegatation Project Tally Sheet

Date: | **Area: 11** | **Transect: 11** | **UTM: 554620/ 4367300** | **Heading: 10**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens					1	1	1	1																													1	1	1	1	1							1			10	20	21.74
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata																																																		0	0	0.00
Chrysothamnus nauseosus																																																		0	0	0.00
Chrysothamnus viscidiflorus																																																		0	0	0.00
Cowania mexicana																																																		0	0	0.00
Coryloides lanata																																																		0	0	0.00
Ephedra viridis																																																		0	0	0.00
Sarcobatus vermiculatus																																																		0	0	0.00
Gutierrezia sarothrae																																																		0	0	0.00
Total Shrubs Cover	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	1	0	0	10	20	21.74
Forbs & Succulents																																																						
Gilmania luzonensis																																																			0	0	0.00
Machaeranthera canescens																																																					
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Syntrichium alpinum																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																					
Agropyron smithii																																																			0	0	0.00
Agropyron spicatum																							1	1	1	1				1	1	1	1									1	1	1	1				1			13	26	26.26
Agropyron cristatum												1		1																																						3	6	6.52
Bromus tectorum	1	1	1	1							1	1			1		1				1	1						1	1						1	1										1				15	30	32.61
Elymus salinus																																																			0	0	0.00
Elymus cinereus																																																			0	0	0.00
Elymus gigenteus																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides									1	1				1						1							1																								5	10	10.87
Sitanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	0	1	1	36	72	78.26
Trees																																																					
Juniper																																																			0	0	0.00
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	46	92	100.00
Cryptobiotic																																																					
Physical Features																																					•														0	0	
Litter																																																				
Rock																	1	1																																		0	0	
Bare Ground																			1											1																						2	4	
Total Physical Features	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	
																																																		4	8	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	
Comments:																																																					

Horse Canyon Revegatation Project Tally Sheet

Date: | **Area: 11** | **Transect: 12** | **UTM: 554667/ 4367332** | **Heading: 180**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens																					1	1								1	1	1	1	1							1	1						1	1	1	12	24	28.57
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata																																																			0	0	0.00
Chrysothamnus nauseosus																																																			0	0	0.00
Chrysothamnus viscidiflorus																																																			0	0	0.00
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	1	1	0	0	0	0	0	1	1	1	12	24	28.57
Forbs & Succulents																																																						
Orchids Asparagus																																																			0	0	0.00
Machaeranthera canescens																																																					
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Symphiotrichum ericoides																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																					
Agropyron smithii																																																			0	0	0.00
Agropyron spicatum			1	1	1					1	1	1				1	1																																			10	20	23.81
Agropyron cristatum																							1						1						1	1	1				1										6	12	14.29
Bromus tectorum																		1	1	1				1	1													1					1	1								8	16	19.05
Elymus salinus																																																				0	0	0.00
Elymus cinereus																											1	1																									3	6	7.14
Elymus giganteus																										1																										1	2	2.38
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides						1							1																																						2	4	4.76
Stanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	0	0	1	1	1	1	0	0	0	1	1	1	1	0	0	1	1	1	1	1	0	0	1	1	1	1	1	1	1	0	0	0	0	0	1	1	1	1	1	0	0	1	1	1	1	1	0	0	0	30	60	71.43
Trees																																																					
Juniper																																																					
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	0	0	1	1	1	1	0	0	0	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	42	84	100.00
Cryptobiotic																																																					
Physical Features																																																			0	0	
Litter	1							1																																													
Rock							1																																												2	4	
Bare Ground		1				1							1	1																											1										1	2	
																																																			5	10	
Total Physical Features	1	1	0	0	0	0	1	1	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	8	16	
																																																			50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Comments:																																																					

Horse Canyon Revegatation Project Tally Sheet

Date: | **Area: 11** | **Transect: 13** | **UTM: 554658/ 4367237** | **Heading: 217**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetatove Cover
Shrubs																																																				
Atriplex canescens	1	1	1	1				1							1	1	1	1	1										1	1											1										13	26	30.95
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata																											1																									2	4	4.76
Chrysothamnus nauseosus																																																			0	0	0.00
Chrysothamnus viscidiflorus																																																			0	0	0.00
Cowania mexicana																																																			0.	0	0.00
Coreloides lanata							1																																												1	2	2.38
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																															1						1													2	4	4.76
Gutierrezia sarothrae						1																																													1	2	2.38
Total Shrubs Cover	1	1	1	1	0	1	1	1	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	1	0	0	0	1	1	0	0	0	0	0	0	0	0	19	38	45.24
Forbs & Succulents																																																						
Opuntia aggressa																																																			0	0	0.00
Machaeranthera canescens																																																					
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Sysimbrium altissimum																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																					
Agropyron smithii																																																			0	0	0.00
Agropyron spicatum									1				1	1						1	1	1	1	1								1	1																			10	20	23.81
Agropyron cristatum																																																			0	0	0.00
Bromus tectorum										1	1	1																					1	1	1					1			1	1				1	1	1	12	24	28.57
Elymus salinus																																																			0	0	0.00
Elymus elmeresu																																																			0	0	0.00
Elymus glaucifolius																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides					1																																														0	0	0.00
Stipion hybis																																																			1	2	2.38
Stipa comata																																																			0	0	0.00
Total Grass Cover	0	0	0	0	1	0	0	0	1	1	1	1	1	1	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	1	0	0	1	1	0	0	0	1	1	1	23	46	54.76
Trees																																																				
Juniper																																																					
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	0	0	0	1	1	1	42	84	100.00
Cryptobiotic																																																					
Physical Features																																																			0	0	
Litter																											1																												
Rock																																																			1	2	
Bare Ground																									1	1												1	1													0	0	
																																																			7	14	
Total Physical Features	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	1	0	0	0	8	16	
																																																			50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Comments:																																																					

Horse Canyon Revegatation Project Tally Sheet

Date: **Area: 11**   **Transect: 14**   **UTM: 554730/ 4367301**   **Heading: 47**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetatove Cover
Shrubs																																																					
Atriplex canescens																			1	1	1	1											1	1						1											7	14	17.07
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata	1	1	1																																						1										4	8	9.76
Chrysothamnus nauseosus																																																			0	0	0.00
Chrysothamnus viscidiflorus																																																			0	0	0.00
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																										1									1	2	2.44
Total Shrubs Cover	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	12	24	29.27
Forbs & Succulents																																																			0	0	0.00
Grindelia squarrosa																																																					
Machaeranthera canescens																																																			0	0	0.00
Medicago sativa				1						1	1																																								3	6	7.32
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcea coccinea																																																			0	0	0.00
Sysimbrium altissimum																																																					
Total Forb Cover	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	6	7.32
Grasses																																																					
Agropyron smithii																																																			0	0	0.00
Agropyron spicatum					1	1	1	1	1			1	1			1								1	1	1												1	1					1	1						15	30	36.59
Agropyron cristatum																																																			0	0	0.00
Bromus tectorum																	1						1					1	1	1	1	1											1			1			1	1	11	22	26.83
Elymus salinus																																																			0	0	0.00
Elymus cinereus																																																			0	0	0.00
Elymus giganteus																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Sitanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	0	0	0	0	1	1	1	1	1	0	0	1	1	0	0	1	1	0	0	0	0	0	1	1	1	1	0	1	1	1	1	1	0	0	0	0	0	1	1	0	0	0	1	1	1	1	0	0	1	1	26	52	63.41
Trees																																																					
Juniper																																																			0	0	0.00
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	0	0	1	1	41	82	100.00
Cryptobiotic														1				1																																	2	4	
Physical Features																																																					
Litter																																																			0	0	
Rock																																																			0	0	
Bare Ground															1												1								1	1	1										1	1			7	14	
Total Physical Features	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	1	1	0	0	7	14	
																																																			50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Comments:																																																					

Horse Canyon Revegatation Project Tally Sheet

Date: | **Area: 11** | **Transect: 15** | **UTM: 554775/ 4367345** | **Heading: 06**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens	1	1												1	1					1															1																	6	12	18.18
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata			1																1																																	2	4	6.06
Chrysothamnus nauseosus																																																			0	0	0.00
Chrysothamnus viscidiflorus																																																			0	0	0.00
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	16	24.24
Forbs & Succulents																																																						
Annuals																																																			0	0	0.00
Mechaeranthera canescens																																																			0	0	0.00
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Symbolurus sibiricum																																																					
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																					
Agropyron smithii																																																			0	0	0.00
Agropyron spicatum				1	1	1				1	1	1	1						1				1	1					1	1	1	1				1	1	1	1	1	1				1	1			1	23	46	69.70
Agropyron cristatum																																																			0	0	0.00
Bromus tectorum																					1	1																													2	4	6.06
Elymus salinus																																																			0	0	0.00
Elymus cinereus																																																			0	0	0.00
Elymus gigenteous																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Stanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	0	0	0	1	1	1	0	0	0	1	1	1	1	0	0	0	0	1	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	0	1	1	1	1	1	1	0	0	0	0	1	1	0	0	1	25	50	75.76
Trees																																																					
Juniper																																																				0	0	0.00
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1	0	0	1	1	1	1	1	1	1	0	0	0	0	1	1	0	0	1	33	66	100.00
Cryptobiotic																																																					
Physical Features																																																			0	0	
Litter							1																					1																								2	4	
Rock																																																			0	0	
Bare Ground								1	1							1	1								1	1	1						1	1										1	1	1	1			1	1	15	30	
Total Physical Features	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1	1	1	0	0	1	1	0	17	34	
																																																		50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Comments:																																																					

( ) ( ) ( )

Horse Canyon Revegatation Project Tally Sheet

Date: | **Area: 15** | **Transect: 1** | **UTM: 553707/ 4367067** | **Heading: 140**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens	1	1	1				1	1				1			1	1	1						1	1	1			1	1																						14	28	36.84
Atriplex confertifolia																																																		0	0	0.00
Artemisia nova																																																		0	0	0.00
Artemisia tridentata tridentata													1	1						1	1	1								1																					6	12	15.79
Chrysothamnus nauseosus																																																		0	0	0.00
Chrysothamnus viscidiflorus																																																		0	0	0.00
Cowania mexicana																																																		0	0	0.00
Ceratoides lanata																																																		0	0	0.00
Ephedra viridis																																																		0	0	0.00
Sarcobatus vermiculatus									1	1																																									2	4	5.26
Gutierrezia sarothrae																															1	1												1	1	1	1			1	7	14	18.42
Total Shrubs Cover	1	1	1	0	0	0	1	1	1	1	0	1	1	1	1	1	1	0	0	1	1	1	1	1	1	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	1	29	58	76.32
Forbs & Succulents																																																					
Grindelia squarrosa																																																		0	0	0.00
Machaeranthera canescens																																																				
Medicago sativa																																																		0	0	0.00
Melilotus officinalis																																																		0	0	0.00
Penstemon palmeri																																																		0	0	0.00
Sphaeralcia coccinea																																																		0	0	0.00
Sysimbrium altissimum																																																		0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																				
Agropyron smithii																																																				
Agropyron spicatum																										1																										0	0	0.00
Agropyron cristatum																																																		1	2	2.63
Bromus tectorum				1	1	1					1							1									1					1																	6	16	21.05
Elymus salinus																																																		0	0	0.00
Elymus cinereus																																																		0	0	0.00
Elymus giganteus																																																		0	0	0.00
Hilaria jamesii																																																		0	0	0.00
Oryzopsis hymenoides																																																		0	0	0.00
Sitanion hystrix																																																		0	0	0.00
Stipa comata																																																		0	0	0.00
Total Grass Cover	0	0	0	1	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	9	16	23.68
Trees																																																				
Juniper																																																		0	0	0.00
Pinon																																																		0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	1	38	76	100.00
Cryptobiotic																																																		0	0	
Physical Features																																																			
Litter																																																		0	0	
Rock																																		1															1	2	
Bare Ground																	1																1	1	1	1	1	1	1	1							1	1	11	22	
Total Physical Features	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1	1	0	12	24	
																																																	50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Comments:																																																				

Horse Canyon Revegatation Project Tally Sheet

Date: | **Area: 15** | **Transect: 2** | **UTM: 553769/ 4367022** | **Heading: 52**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens											1						1																																					
Atriplex confertifolia												1																					1	1																	5	10	15.15
Artemisia nova																																																				1	2	3.03
Artemisia tridentata tridentata								1	1	1			1	1																																						0	0	0.00
Chrysothamnus nauseosus																																	1																		7	14	21.21
Chrysothamnus viscidiflorus																																																			1	2	3.03
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus															1																																				0	0	0.00
Gutierrezia sarothrae																																																			1	2	3.03
Total Shrubs Cover	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	1	0	1	1	15	30	45.45
Forbs & Succulents																																																						
Machaeranthera canescens																																																			0	0	0.00
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Syntrichium alliesimum																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																					
Agropyron smithii																																																					
Agropyron spicatum	1	1	1	1																				1	1					1	1	1				1	1	1													0	0	0.00
Agropyron cristatum																																																				15	30	45.45
Bromus tectorum																1		1					1																														0	0	0.00
Elymus salinus																																																				3	6	9.09
Elymus cinereus																																																				0	0	0.00
Elymus giganteous																																																				0	0	0.00
Hilaria jamesii																																																				0	0	0.00
Oryzopsis hymenoides																																																				0	0	0.00
Sitanion hystrix																																																				0	0	0.00
Stipa comata																																																				0	0	0.00
Total Grass Cover	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	1	1	1	0	0	0	0	1	1	1	0	0	0	1	1	1	0	0	0	0	0	0	1	1	0	1	0	0	18	36	54.55
Trees																																																					
Juniper																																																				0	0	0.00
Pinon																																																				0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1	1	1	1	1	33	66	100.00
Cryptobiotic																																																				0	0	
Physical Features																																																					
Litter					1															1																																	2	4	
Rock																																																				0	0	
Bare Ground				1		1													1		1	1				1	1	1	1										1	1	1	1	1	1							15	30	
Total Physical Features	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	17	34	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	
Comments:																																																					

Horse Canyon Revegatation Project Tally Sheet

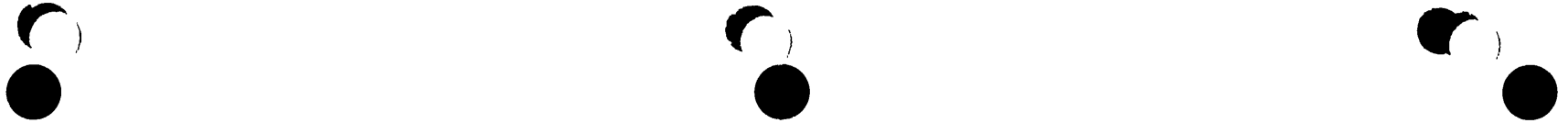
Date: | **Area: 15** | **Transect: 3** | **UTM: 553775/ 4366984** | **Heading: 27**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens		1	1				1	1	1							1	1						1	1	1	1	1							1	1	1	1	1												17	34	43.59
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata				1	1	1				1	1																																							6	12	15.38
Chrysothamnus nauseosus																																																			0	0	0.00
Chrysothamnus viscidiflorus																																																			0	0	0.00
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																						1																														1	2	2.56
Gutierrezia sarothrae																																								1											1	2	2.56
Total Shrubs Cover	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	1	0	0	25	50	64.10
Forbs & Succulents																																																						
Machaeranthera canescens																																																			0	0	0.00
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Sysymbrium altissimum																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																					
Agropyron smithii																																																					
Agropyron spicatum																																																			0	0	0.00
Agropyron cristatum																																																			0	0	0.00
Bromus tectorum	1										1		1	1						1	1							1	1			1	1	1							1								1	1	14	28	35.90
Elymus salinus																																																			0	0	0.00
Elymus cinereus																																																			0	0	0.00
Elymus giganteous																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Sitanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	1	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	0	0	1	1	1	0	0	0	0	1	0	0	0	0	0	0	0	1	1	14	28	35.90
Trees																																																					
Juniper																																																			0	0	0.00
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1	1	1	39	78	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																					
Litter													1					1																																			2	4	
Rock																			1																																		1	2	
Bare Ground																														1	1																		1	1	1	1	1	1	8	16	
Total Physical Features	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	11	22	
																																																		50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Comments:																																																					

Horse Canyon Revegatation Project Tally Sheet

Date: | **Area: 15** | **Transect: 4** | **UTM: 553726/ 4366986** | **Heading: 160**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens									1							1	1	1																																	4	8	11.76
Atriplex confertifolia																																																		0	0	0.00
Artemisia nova																																																		0	0	0.00
Artemisia tridentata tridentata		1						1				1	1	1	1				1	1															1	1														10	20	29.41
Chrysothamnus nauseosus																																																		0	0	0.00
Chrysothamnus viscidiflorus																																																		0	0	0.00
Cowania mexicana																																																		0	0	0.00
Ceratoides lanata																																																		0	0	0.00
Ephedra viridis																																																		0	0	0.00
Sarcobatus vermiculatus	1																																																	0	0	0.00
Gutierrezia sarothrae																																																		1	2	2.94
Total Shrubs Cover	1	1	0	0	0	0	0	1	1	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	30	44.12
Forbs & Succulents																																																						
Machaeranthera canescens																																																		0	0	0.00
Medicago sativa																																																		0	0	0.00
Melilotus officinalis																																																		0	0	0.00
Penstemon palmeri																																																		0	0	0.00
Sphaeralcia coccinea																																																		0	0	0.00
Symbrium altissimum																																																		0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																					
Agropyron smithii																																																			0	0	0.00
Agropyron spicatum																												1								1	1	1					1	1	1				1	1	9	18	26.47
Agropyron cristatum																																																			0	0	0.00
Bromus tectorum							1			1	1										1	1				1	1				1																			8	16	23.53
Elymus salinus																													1	1																			2	4	5.88
Elymus cinereus																																																		0	0	0.00
Elymus gigantieus																																																		0	0	0.00
Hilaria jamesii																																																		0	0	0.00
Oryzopsis hymenoides																																																		0	0	0.00
Sitanion hystrix																																																		0	0	0.00
Stipa comata																																																		0	0	0.00
Total Grass Cover	0	0	0	0	0	0	1	0	0	1	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	1	0	0	0	0	0	1	1	1	0	0	0	0	1	1	1	0	0	0	1	19	38	55.88
Trees																																																					
Juniper																																																		0	0	0.00
Pinon																																																		0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	0	0	0	1	1	1	1	1	0	0	0	1	1	1	0	0	0	1	1	34	68	100.00
Cryptobiotic																																																		0	0	
Physical Features																																																				
Litter			1																																															1	2	
Rock																																																		0	0	
Bare Ground				1	1	1																	1	1	1						1	1	1							1	1	1				1	1	1			15	30	
Total Physical Features	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	1	1	1	0	0	0	0	0	1	1	1	0	0	0	1	1	1	0	0	16	32	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	
Comments:																																																				



Horse Canyon Revegatation Project Tally Sheet

Date: | **Area: 15** | **Transect: 5** | **UTM: 553703/ 4366967** | **Heading: 354**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																					
Atriplex canescens																																				1	1	1						1							4	8	13.33
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata										1	1												1	1	1	1	1	1	1	1									1	1			1								13	26	43.33
Chrysothamnus nauseosus									1																																										1	2	3.33
Chrysothamnus viscidiflorus																																																			0	0	0.00
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	1	1	1	1	1	0	0	1	1	0	0	0	0	0	0	18	36	60.00
Forbs & Succulents																																																					
Grindelia squarrosa																																																			0	0	0.00
Machaeranthera canescens																																																					
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Sysimbrium altissimum																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																						
Agropyron smithii																																																			0	0	0.00
Agropyron spicatum						1		1				1										1									1	1	1								1										8	16	26.67
Agropyron cristatum																																																			0	0	0.00
Bromus tectorum																																														1	1	1			3	6	10.00
Elymus salinus																																																			0	0	0.00
Elymus cinereus																																																			0	0	0.00
Elymus giganteous																																													1						1	2	3.33
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Sitanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	0	0	0	0	0	1	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	1	0	0	0	1	1	1	1	0	0	12	24	40.00
Trees																																																					
Juniper																																																			0	0	0.00
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	0	0	0	0	0	1	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	0	1	1	1	1	1	1	0	0	30	60	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																					
Litter	1	1					1						1				1																																		5	10	
Rock																																																			0	0	
Bare Ground			1	1	1									1	1	1		1	1	1	1													1	1							1							1	1	15	30	
Total Physical Features	1	1	1	1	1	0	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	20	40	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	
Comments:																																																					

Horse Canyon Revegatation Project Tally Sheet

Date: **Area: 15** **Transect: 6** **UTM: 553694/ 4367024** **Heading: 111**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetatiove Cover
Shrubs																																																					
Atriplex canescens					1	1	1	1	1	1	1	1	1				1	1									1	1																							13	26	30.95
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata			1	1										1	1	1									1	1											1	1	1	1	1	1	1				1	1			16	32	38.10
Chrysothamnus nauseosus																																																	1		1	2	2.38
Chrysothamnus viscidiflorus																																																			0	0	0.00
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																																																		1	1	2	2.38
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																													1	1																					2	4	4.76
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	1	1	1	1	33	66	78.57
Forbs & Succulents																																																			0	0	0.00
Grindelia squarrosa																																																					
Machaeranthera canescens																																																			0	0	0.00
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Sysimbrium altissimum																																																					
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																					
Agropyron smithii																																																			0	0	0.00
Agropyron spicatum																																																			0	0	0.00
Agropyron cristatum																																																			0	0	0.00
Bromus tectorum	1	1																	1	1	1	1	1	1												1															9	18	21.43
Elymus salinus																																																			0	0	0.00
Elymus cinereus																																																			0	0	0.00
Elymus giganteous																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Sitanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	18	21.43
Trees																																																					
Juniper																																																			0	0	0.00
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	42	84	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																					
Litter																																																			0	0	
Rock																																	1																		1	2	
Bare Ground																															1	1		1	1									1	1	1					7	14	
Total Physical Features	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	8	16	
																																																		50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Comments:																																																					

Horse Canyon Revegatation Project Tally Sheet

15 | 7 | 553799/4367072 | 114

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens						1	1	1		1	1								1						1																												8	16	21.62
Atriplex confertifolia													1																																						1	2	2.70
Artemisia nova																																																				0	0	0.00
Artemisia tridentata tridentata														1	1	1	1	1								1	1						1	1	1	1	1					1	1		1	1		1		18	36	48.65
Chrysothamnus nauseosus																																																			0	0	0.00
Chrysothamnus viscidiflorus																																																		0	0	0.00
Cowania mexicana																																																		0	0	0.00
Ceratoides lanata										1																																								1	2	2.70
Ephedra viridis																																																		0	0	0.00
Sarcobatus vermiculatus																																																		0	0	0.00
Gutierrezia sarothrae	1																																																	1	2	2.70
Total Shrubs Cover	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	1	0	0	0	0	0	1	1	0	1	1	0	1	0	29	58	78.38
Forbs & Succulents																																																						
Grindelia squarrosa																																																			0	0	0.00
Machaeranthera canescens																																																					
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Syalmbrium altissimum																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																					
Agropyron smithii																																																			0	0	0.00
Agropyron spicatum				1	1															1			1	1														1					1								7	14	18.92
Agropyron cristatum																																																			0	0	0.00
Bromus tectorum																																														1						1	2	2.70
Elymus salinus																																																			0	0	0.00
Elymus cinereus																																																			0	0	0.00
Elymus giganteus																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Sitanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	1	0	0	0	0	0	8	16	21.62
Trees																																																				
Juniper																																																			0	0	0.00
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	0	1	0	37	74	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																				
Litter																																																		1	1	2	
Rock		1																																																	1	2	
Bare Ground			1																		1	1							1	1	1	1						1	1	1						1			11	22	
Total Physical Features	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	1	0	1	1	1	0	0	0	0	0	1	0	1	13	26	
																																																		50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Comments:																																																				

Horse Canyon Revegatation Project Tally Sheet

Date: | **Area: 15** | **Transect: 8** | **UTM: 553719/ 4366978** | **Heading: 186**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens																																																					
Atriplex confertifolia																																																		0	0	0.00
Artemisia nova																																																		0	0	0.00
Artemisia tridentata tridentata						1	1									1	1									1									1			1											2	4	6.06
Chrysothamnus nauseosus																														1	1	1	1		1		1												11	22	33.33
Chrysothamnus viscidiflorus																																																		0	0	0.00
Cowania mexicana																																																		0	0	0.00
Ceratoides lanata																																																		0	0	0.00
Ephedra viridis																																																		0	0	0.00
Sarcobatus vermiculatus																																																		0	0	0.00
Gutierrezia sarothrae																																																		0	0	0.00
Total Shrubs Cover	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1	1	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	13	26	39.39
Forbs & Succulents																																																					
Gilia/Ipomopsis aggregata																																																		0	0	0.00
Machaeranthera canescens																																																					
Medicago sativa																																																		0	0	0.00
Melilotus officinalis																																																		0	0	0.00
Penstemon palmeri																																																		0	0	0.00
Sphaeralcia coccinea																																																		0	0	0.00
Sysimbrium altissimum																																																		0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																					
Agropyron smithii																																																					
Agropyron spicatum					1										1							1	1		1		1	1																						0	0	0.00
Agropyron cristatum																																																		7	14	21.21
Bromus tectorum																																																		0	0	0.00
Elymus salinus																																																		8	16	24.24
Elymus cinereus																																																		0	0	0.00
Elymus giganteous								1																										1															1	2	3.03
Hilaria jamesii																																																		1	2	3.03
Oryzopsis hymenoides																																																		0	0	0.00
Sitanion hystrix																																																		3	6	9.09
Stipa comata																																																		0	0	0.00
Total Grass Cover	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	0	1	0	1	1	0	0	0	0	0	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	20	40	60.61
Trees																																																					
Juniper																																																					
Pinon																																																		0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	0	0	0	0	1	1	1	1	0	0	0	0	0	0	1	1	1	0	0	0	0	1	1	0	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	33	66	100.00
Cryptobiotic																																																					
Physical Features																																																		0	0	
Litter		1																											1										1											3	6	
Rock																																																		0	0	
Bare Ground	1		1	1					1	1	1	1	1	1				1	1	1	1			1																										14	28	
Total Physical Features	1	1	1	1	0	0	0	0	1	1	1	1	1	1	0	0	0	1	1	1	1	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	17	34	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	
Comments:																																																					

Horse Canyon Revegatation Project Tally Sheet

Date: | **Area: 15** | **Transect: 9** | **UTM: 553801/ 4367037** | **Heading: 92**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens																		1						1																												14	28	36.90
Atriplex confertifolia																	1												1			1	1			1	1	1	1	1	1		1				1	1		0	0.00
Artemisia nova																																																		0	0	0.00
Artemisia tridentata tridentata																																																	0	0	0.00
Chrysothamnus nauseosus																																		1								1		1						3	6	7.89
Chrysothamnus viscidiflorus																																																	0	0	0.00
Cowania mexicana																																																	0	0	0.00
Cercidoides lanata																																																	0	0	0.00
Ephedra viridis																																																	0	0	0.00
Sarcobatus vermiculatus																																																	0	0	0.00
Gutierrezia sarothrae																																																	0	0	0.00
Total Shrubs Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	1	1	1	0	1	1	1	1	1	1	1	1	1	0	1	1	0	17	34	43.59
Forbs & Succulents																																																					
Grindelia squarrosa																																																		0	0	0.00
Machaeranthera canescens																																																				
Medicago sativa																																																		0	0	0.00
Melilotus officinalis																																																		0	0	0.00
Penstemon palmeri																																																		0	0	0.00
Sphaeralcia coccinea																																																		0	0	0.00
Sysimbrium altissimum																																																		0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																				
Agropyron smithii																																																		0	0	0.00
Agropyron spicatum						1			1	1	1	1		1	1	1	1		1		1	1			1	1	1	1	1		1																			18	36	46.15
Agropyron cristatum																																																		0	0	0.00
Bromus tectorum													1																																					3	6	7.69
Elymus salinus																																																		0	0	0.00
Elymus cinereus																																																		0	0	0.00
Elymus giganteus																																																		0	0	0.00
Hilaria jamesii							1																																											1	2	2.56
Oryzopsis hymenoides																																																		0	0	0.00
Sitanion hystrix																																																		0	0	0.00
Stipa comata																																																		0	0	0.00
Total Grass Cover	0	0	0	0	0	1	1	0	1	1	1	1	1	1	1	1	1	0	1	0	1	1	0	0	1	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	22	44	56.41
Trees																																																				
Juniper																																																		0	0	0.00
Pinon																																																		0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	0	0	0	0	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1	0	1	1	0	1	1	1	1	1	1	1	0	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0	1	1	1	39	78	100.00
Cryptobiotic																																																		0	0	
Physical Features																																																			
Litter							1																																											1	2	
Rock																																																		0	0	
Bare Ground	1	1	1	1	1															1			1										1			1										1				10	20	
Total Physical Features	1	1	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	11	22	
																																																	50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Comments:																																																				

Horse Canyon Revegatation Project Tally Sheet

Date: | **Area: 15** | **Transect: 10** | **UTM: 553836/ 4366988** | **Heading: 341**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens		1	1		1	1	1	1	1							1	1	1	1	1	1								1	1																				18	36	52.76
Atriplex confertifolia																																										1				1	1	1		19	38	52.78
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata				1						1	1	1															1	1																							0	0	0.00
Chrysothamnus nauseosus																																					1	1	1	1	1										11	22	30.56
Chrysothamnus viscidiflorus																																																		0	0	0.00
Cowania mexicana																																																		0	0	0.00
Ceratoides lanata																																																		0	0	0.00
Ephedra viridis																																																		0	0	0.00
Sarcobatus vermiculatus																																																		0	0	0.00
Gutierrezia sarothrae																																																		0	0	0.00
Total Shrubs Cover	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	0	0	0	0	0	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	1	1	1	0	30	60	83.33
Forbs & Succulents																																																						
Grindelia squarrosa																																																		0	0	0.00
Machaeranthera canescens																																																					
Medicago sativa																																																		0	0	0.00
Melilotus officinalis																																																		0	0	0.00
Penstemon palmeri																																																		0	0	0.00
Sphaeralcia coccinea																																																		0	0	0.00
Sysimbrium altissimum																																																		0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																					
Agropyron smithii																																																		0	0	0.00
Agropyron spicatum																																																		0	0	0.00
Agropyron cristatum																																																		0	0	0.00
Bromus tectorum																						1	1													1								1				1			6	12	16.67
Elymus salinus																																																		0	0	0.00
Elymus cinereus																																																		0	0	0.00
Elymus gigenteous																																																		0	0	0.00
Hilaria jamesii																																																		0	0	0.00
Oryzopsis hymenoides																																																		0	0	0.00
Sitanion hystrix																																																		0	0	0.00
Stipa comata																																																		0	0	0.00
Total Grass Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	1	0	0	0	1	6	12	16.67
Trees																																																				
Juniper																																																		0	0	0.00
Pinon																																																		0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	36	72	100.00
Cryptobiotic																																																		0	0	
Physical Features																																																				
Litter													1											1	1						1															1						5	10	
Rock																																																			0	0	
Bare Ground	1												1	1												1						1	1	1	1										1						9	18	
Total Physical Features	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	14	28	
																																																	50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Comments:																																																				

Horse Canyon Revegetation Project Tally Sheet

Date: | **Area: 15** | **Transect: 11** | **UTM: 553917/ 4367074** | **Heading: 12**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens																																1	1																				
Atriplex confertifolia																																																		2	4	6.25
Artemisia nova																																																		0	0	0.00
Artemisia tridentata tridentata																	1									1					1																			0	0	0.00
Chrysothamnus nauseosus																														1																			4	8	12.50
Chrysothamnus viscidiflorus																																																1	1	2	3.13
Cowania mexicana																																																		0	0	0.00
Ceratoides lanata																																																		0	0	0.00
Ephedra viridis																																																		0	0	0.00
Sarcobatus vermiculatus																																																		0	0	0.00
Gutierrezia sarothrae																																																		0	0	0.00
Total Shrubs Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	7	14	21.88
Forbs & Succulents																																																				
Grindelia squarrosa																																																		0	0	0.00
Machaeranthera canescens																																																				
Medicago sativa																																																		0	0	0.00
Melilotus officinalis																																																		0	0	0.00
Penstemon palmeri																																																		0	0	0.00
Sphaeralcia coccinea																																																		0	0	0.00
Syselnbrium altissimum																																																		0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																				
Agropyron smithii																																																				
Agropyron spicatum	1	1	1	1						1	1	1	1	1					1				1	1	1			1	1					1							1	1	1	1		1	1			22	44	68.75
Agropyron cristatum																																																		0	0	0.00
Bromus tectorum																		1															1																3	6	9.38
Elymus salinus																																																		0	0	0.00
Elymus cinereus																																																		0	0	0.00
Elymus giganteous																																																		0	0	0.00
Hilaria jamesii																																																		0	0	0.00
Oryzopsis hymenoides																																																		0	0	0.00
Sitanion hystrix																																																		0	0	0.00
Stipa comata																																																		0	0	0.00
Total Grass Cover	1	1	1	1	0	0	0	0	0	0	1	1	1	1	1	0	0	1	1	0	0	0	1	1	1	0	0	0	1	1	0	0	0	1	0	0	1	0	0	0	1	1	1	1	0	0	1	1	1	0	25	50	78.13
Trees																																																				
Juniper																																																		0	0	0.00
Pinon																																																		0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	0	0	0	0	0	0	1	1	1	1	1	0	1	1	1	0	0	0	1	1	1	1	0	0	1	1	1	1	1	1	0	0	1	0	0	1	1	1	1	1	0	0	1	1	1	1	32	64	100.00
Cryptobiotic																																																		0	0	
Physical Features																																																			
Litter																											1	1							1	1															4	8	
Rock																																																		0	0	
Bare Ground					1	1	1	1	1	1						1				1	1	1																		1	1									14	28	
Total Physical Features	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	1	0	0	0	1	1	1	0	0	0	0	1	1	0	0	0	0	0	1	1	0	1	1	0	0	0	0	0	1	1	0	0	0	18	36	
																																																	50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Comments:																																																			

Horse Canyon Revegetation Project Tally Sheet

Date: | **Area: 15** | **Transect: 12** | **UTM: 553929/ 4367116** | **Heading: 82**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens																																															1	1			2	4	6.06
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata																1	1																		1	1										1	1				6	12	18.18
Chrysothamnus nauseosus																																																			0	0	0.00
Chrysothamnus viscidiflorus																																																			0	0	0.00
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus											1																																									0	0	0.00
Gutierrezia sarothrae																																	1	1																	3	6	9.09
Total Shrubs Cover	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	0	12	24	36.36
Forbs & Succulents																																																			0	0	0.00
Grindelia squarrosa																																																			1	2	3.03
Machaeranthera canescens																		1																																		0	0	0.00
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Sysimbrium altissimum																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3.03
Grasses																																																						
Agropyron smithii																																																			0	0	0.00
Agropyron spicatum			1	1	1	1	1	1	1	1			1	1						1	1	1	1						1	1	1													1					1	19	38	57.58
Agropyron cristatum																																																				0	0	0.00
Bromus tectorum																		1																																	1	2	3.03
Elymus salinus																																																			0	0	0.00
Elymus cinereus																																																			0	0	0.00
Elymus giganteous																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Sitanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	0	0	1	1	1	1	1	1	1	1	0	0	0	1	1	0	0	0	1	1	1	1	1	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	20	40	60.61
Trees																																																					
Juniper																																																			0	0	0.00
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	0	0	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	33	66	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																					
Litter	1																																																		1	2	
Rock												1	1																																							2	4	
Bare Ground		1																						1	1	1	1	1	1								1	1	1	1	1	1	1								14	28	
Total Physical Features	1	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	17	34	
																																																		50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Comments:																																																					

Horse Canyon Revegatation Project Tally Sheet

Date: | **Area: 15** | **Transect: 13** | **UTM: 553962/ 4367102** | **Heading: 288**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens						1	1												1						1																											6	12	15.00
Atriplex confertifolia																																								1				1							0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata																																																		0	0	0.00
Chrysothamnus nauseosus																																1						1		1					1	1					4	8	10.00
Chrysothamnus viscidiflorus																																					1														2	4	5.00
Cowania mexicana																																																		0	0	0.00
Ceratoides lanata																																																		0	0	0.00
Ephedra viridis																																																		0	0	0.00
Sarcobatus vermiculatus																		1																																	0	0	0.00
Gutierrezia sarothrae																								1	1				1	1																					1	2	2.50
Total Shrubs Cover	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	0	0	0	1	1	0	1	0	0	0	0	0	1	1	1	1	0	0	1	1	1	0	0	0	0	17	34	42.50
Forbs & Succulents																																																						
Grindelia squarrosa																																																			0	0	0.00
Machaeranthera canescens																																																					
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Sysimbrium altissimum																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																					
Agropyron smithii																																																					
Agropyron spicatum		1	1					1	1	1	1		1	1	1	1	1																1	1		1	1													0	0	0.00
Agropyron cristatum																																																				17	34	42.50
Bromus tectorum				1	1																																														0	0	0.00
Elymus salinus																																																			6	12	15.00
Elymus cinereus																																																			0	0	0.00
Elymus giganteous																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Sitanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	0	1	1	1	1	0	0	1	1	1	1	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1	0	0	0	0	1	1	0	0	0	1	1	1	1	23	46	57.50
Trees																																																					
Juniper																																																					
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	0	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	0	0	0	1	1	1	0	0	0	1	1	0	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	40	80	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																				
Litter												1								1																	1														3	6	
Rock																					1																															1	2	
Bare Ground	1																					1			1	1	1			1																					6	12	
Total Physical Features	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	0	0	0	1	1	1	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	20	
																																																		50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Comments:																																																					

Horse Canyon Revegatation Project Tally Sheet

Date: | **Area: 15** | **Transect: 14** | **UTM: 554005/ 4367117** | **Heading: 183**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens									1	1						1																																						
Atriplex confertifolia																																													1	1	1	1			7	14	28.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata															1									1																											0	0	0.00
Chrysothamnus nauseosus																																								1										3	6	6.57
Chrysothamnus viscidiflorus																																																		0	0	0.00
Cowania mexicana																																																		0	0	0.00
Ceratoides lanata																																																		0	0	0.00
Ephedra viridis																																																		0	0	0.00
Sarcobatus vermiculatus																																																		0	0	0.00
Gutierrezia sarothrae																																																		0	0	0.00
Total Shrubs Cover	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	1	1	0	0	10	20	28.57
Forbs & Succulents																																																						
Grindelia squarrosa																																																		0	0	0.00
Machaeranthera canescens																																																					
Medicago sativa																																																		0	0	0.00
Melilotus officinalis																																																		0	0	0.00
Penstemon palmeri																																																		0	0	0.00
Sphaeralcia coccinea																																																		0	0	0.00
Sysimbrium altissimum																																																		0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																					
Agropyron smithii																																																		0	0	0.00
Agropyron spicatum		1	1		1	1	1	1					1	1			1	1			1	1		1	1	1							1	1	1	1	1	1	1					1				24	48	68.57
Agropyron cristatum																																																		0	0	0.00
Bromus tectorum																																																		0	0	0.00
Elymus salinus																																																		0	0	0.00
Elymus cinereus																																																		0	0	0.00
Elymus giganteus	1																																																	1	2	2.86
Hilaria jamesii																																																		0	0	0.00
Oryzopsis hymenoides																																																		0	0	0.00
Sitanion hystrix																																																		0	0	0.00
Stipa comata																																																		0	0	0.00
Total Grass Cover	1	1	1	0	1	1	1	1	0	0	0	0	1	1	0	0	1	1	0	0	0	1	1	0	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	1	0	0	0	0	1	0	25	50	71.43
Trees																																																				
Juniper																																																		0	0	0.00
Pinon																																																		0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	0	1	1	1	1	1	1	0	0	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	0	35	70	100.00
Cryptobiotic																																																		0	0	
Physical Features																																																				
Litter																			1		1								1		1	1																			5	10	
Rock																																																		0	0	
Bare Ground				1							1	1								1									1			1																	1	10	20	
Total Physical Features	0	0	0	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	1	15	30	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	
Comments:																																																				

Horse Canyon Revegatation Project Tally Sheet

Date: | **Area: 15** | **Transect: 15** | **UTM: 553966/ 4367085** | **Heading: 65**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens						1	1																																												2	4	6.67
Atriplex confertifolia																																																		0	0	0.00
Artemisia nova																																																		0	0	0.00
Artemisia tridentata tridentata																1						1								1																				0	0	0.00
Chrysothamnus nauseosus																															1																1	1	5	10	16.67
Chrysothamnus viscidiflorus																																																		1	2	3.33
Cowania mexicana																																																		0	0	0.00
Ceratoides lanata																																																		0	0	0.00
Ephedra viridis																																																		0	0	0.00
Sarcobatus vermiculatus																																																		0	0	0.00
Gutierrezia sarothrae																																																		0	0	0.00
Total Shrubs Cover	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	8	16	26.67
Forbs & Succulents																																																						
Grindelia squarrosa																																																		0	0	0.00
Machaeranthera canescens																																																					
Medicago sativa																																																		0	0	0.00
Melilotus officinale																																																		0	0	0.00
Penstemon palmeri																																																		0	0	0.00
Sphaeralcia coccinea																																																		0	0	0.00
Sysimbrium altissimum																																																		0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																					
Agropyron smithii																																																				
Agropyron spicatum	1	1	1					1	1	1					1					1	1		1	1	1				1	1				1	1								1	1	1			1	0	0	21	42	70.00
Agropyron trichatum																																																			0	0	0.00
Bromus tectorum																																																		0	0	0.00
Elymus salinus																																																		0	0	0.00
Elymus cinereus																																																		0	0	0.00
Elymus giganteous																																																		0	0	0.00
Hilaria jamesii																																1																		1	2	3.33
Oryzopsis hymenoides																																																		0	0	0.00
Sitanion hystrix																																																		0	0	0.00
Stipa comata																																																		0	0	0.00
Total Grass Cover	1	1	1	0	0	0	0	1	1	1	0	0	0	0	1	0	0	0	0	1	1	0	1	1	1	0	0	0	1	1	0	0	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	0	0	1	22	44	73.33
Trees																																																					
Juniper																																																		0	0	0.00
Pinon																																																		0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	0	0	1	1	1	1	1	0	0	0	0	1	1	0	0	0	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	30	60	100.00
Cryptobiotic																																																		0	0	
Physical Features																																																				
Litter																	1									1																				1						3	6	
Rock																																																			0	0	
Bare Ground				1	1					1	1	1	1					1	1								1	1									1	1	1	1		1	1	1							17	34	
Total Physical Features	0	0	0	1	1	0	0	0	0	0	1	1	1	1	0	0	1	1	1	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	29	40	
																																																		50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Comments:																																																				

Horse Canyon Revegatation Project Tally Sheet

Date: | **Area: 16** | **Transect: 1** | **UTM: 5554330/ 4366942** | **Heading: 180**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens									1										1	1																																4	8	10.00
Atriplex confertifolia												1																								1															2	4	5.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata																																																		0	0	0.00
Chrysothamnus nauseosus																													1						1															2	4	5.00
Chrysothamnus viscidiflorus																																			1															4	8	10.00
Cowania mexicana																																																		0	0	0.00
Ceratoides lanata																																																		0	0	0.00
Ephedra viridis																																					1													1	2	2.50
Sarcobatus vermiculatus																																																		0	0	0.00
Gutierrezia sarothrae																																																		0	0	0.00
Total Shrubs Cover	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	1	1	0	0	0	0	1	11	22	27.50
Forbs & Succulents																																																						
Machaeranthera canescens																																																		0	0	0.00
Medicago sativa																	1																																		0	0	0.00
Melilotus officinalis																																																		1	2	2.50
Penstemon palmeri																						1																													0	0	0.00
Sphaeralcia coccinea																																																		1	2	2.50
Syslmbrium altissimum																																																		0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	5.00
Grasses																																																					
Agropyron smithii																																																		0	0	0.00
Agropyron spicatum	1	1	1	1	1	1	1			1	1			1		1					1			1	1				1	1						1	1					1	1	1	1					22	44	55.00
Agropyron cristatum																																																			0	0	0.00
Bromus tectorum																							1																						1	1						3	6	7.50
Elymus salinus																																																		0	0	0.00
Elymus cinereus																																1		1																2	4	5.00
Elymus giganteous																																																		0	0	0.00
Hilaria jamesii																																																		0	0	0.00
Oryzopsis hymenoides																																																		0	0	0.00
Sitanion hystrix																																																		0	0	0.00
Stipa comata																																																		0	0	0.00
Total Grass Cover	1	1	1	1	1	1	1	0	0	1	1	0	0	1	0	1	0	0	0	0	1	0	1	1	1	0	0	0	0	1	1	1	0	1	0	0	0	1	1	0	1	1	0	0	0	1	1	1	1	0	27	54	67.50
Trees																																																				
Juniper																																																		0	0	0.00
Pinon																																																		0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	1	1	1	0	1	1	1	1	0	1	0	1	1	0	1	1	1	1	1	1	1	0	0	0	1	1	1	1	0	1	1	1	1	1	1	0	1	1	0	1	1	1	1	1	1	0	40	80	100.00
Cryptobiotic																																																		0	0	
Physical Features																																																				
Litter																																	1																		1	2	
Rock																																																		0	0	
Bare Ground								1					1		1			1												1	1	1											1				1					9	18	
Total Physical Features	0	0	0	0	0	0	0	1	0	0	0	0	1	0	1	0	0	1	0	0	0	0	0	0	0	1	1	1	0	0	0	0	1	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	10	20	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	

Comments:

Horse Canyon Revegetation Project Tally Sheet

Date: | **Area: 16** | **Transect: 2** | **UTM: 554281/ 4366858** | **Heading: 244**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens																																	1	1	1																		
Atriplex confertifolia															1							1																														3	6	8.57
Artemisia nova																																																	1			3	6	8.57
Artemisia tridentata tridentata					1																									1																					0	0	0.00
Chrysothamnus nauseosus										1	1																																									2	4	5.71
Chrysothamnus viscidiflorus																																				1	1															4	8	11.43
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae						1																																													0	0	0.00
Total Shrubs Cover	0	0	0	0	1	1	0	0	0	1	1	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1	0	0	14	28	40.00
Forbs & Succulents																																																						
Machaeranthera canescens																																																			0	0	0.00
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																						1													1	2	2.86
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Syambrium alliasimum																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2.86
Grasses																																																					
Agropyron smithii																																																			0	0	0.00
Agropyron spicatum	1	1	1								1						1						1					1				1	1										1	1	1				1	1	15	30	42.86
Agropyron cristatum																																																			0	0	0.00
Bromus tectorum							1									1		1			1								1																							5	10	14.29
Elymus salinus																																																			0	0	0.00
Elymus cinereus																																																			0	0	0.00
Elymus giganteus																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Sitanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	1	1	1	0	0	0	1	0	0	0	0	1	0	0	0	1	1	1	0	0	1	0	1	0	0	0	1	0	1	0	1	1	0	0	0	0	0	0	1	0	0	1	1	1	0	0	0	1	1	20	40	57.14
Trees																																																					
Juniper																																																			0	0	0.00
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	0	1	1	1	0	0	1	1	1	0	0	1	1	1	1	0	0	1	1	1	0	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	0	0	1	1	1	35	70	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																					
Litter																				1																																	1	2	
Rock																																																				2	4	
Bare Ground				1				1	1				1	1					1						1	1	1		1																		1			1			12	24	
Total Physical Features	0	0	0	1	0	0	0	1	1	0	0	0	1	1	0	0	0	0	1	1	0	0	0	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	0	0	0	15	30	
																																																			50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Comments:																																																					

Horse Canyon Revegatation Project Tally Sheet

Date: | Area: 16 | Transect: 3 | UTM: 554209/ 4366886 | Heading: 10

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																					
Atriplex canescens	1					1		1	1	1	1	1	1																																								
Atriplex confertifolia																				1									1																						9	18	21.95
Artemisia nova																																																			1	2	2.44
Artemisia tridentata tridentata				1	1																																														0	0	0.00
Chrysothamnus nauseosus																																												1	1	1	1	1			7	14	17.07
Chrysothamnus viscidiflorus																																																			0	0	0.00
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	1	0	0	1	1	1	0	1	1	1	1	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0.00
																																																			17	34	41.46
Forbs & Succulents																																																					
Machaeranthera canescens																																																			0	0	0.00
Medicago sativa																																																			0	0	0.00
Mellilotus officinalis																																									1										1	2	2.44
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Sysmbrium altissimum																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	2	2.44
Grasses																																																					
Agropyron smithii																																																					
Agropyron spicatum																			1				1		1	1					1	1		1					1	1			1								0	0	0.00
Agropyron cristatum																																																			10	20	24.39
Bromus tectorum														1	1						1	1					1	1		1					1	1	1	1											1	1	0	0	0.00
Elymus salinus																																																			13	26	31.71
Elymus cinereus																																																			0	0	0.00
Elymus giganteus																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Sitanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
																																																			0	0	0.00
Total Grass Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	0	1	1	1	0	1	1	1	1	0	1	1	1	0	1	1	1	1	1	1	1	0	0	1	0	0	0	0	0	1	1	23	46	56.10
Trees																																																					
Juniper																																																			0	0	0.00
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	0	0	1	1	1	0	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	41	82	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																					
Litter																																	1																		1	2	
Rock																																																			0	0	
Bare Ground		1	1				1									1	1	1						1																		1									8	16	
Total Physical Features	0	1	1	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	9	18	
																																																			50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Comments:																																																					

Horse Canyon Revegatation Project Tally Sheet

Date: | **Area: 16** | **Transect: 4** | **UTM: 554260/ 4366968** | **Heading: 307**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens	1	1																																																	2	5	18.51
Atriplex confertifolia																																		1															1		4		
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata									1							1	1		1	1	1				1	1																										0	0	0.00
Chrysothamnus nauseosus																																				1				1	1										11	22	29.73
Chrysothamnus viscidiflorus																																	1																		1	2	2.70
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	0	1	1	1	0	0	0	1	1	0	0	0	0	0	0	1	1	0	1	0	0	1	1	0	0	0	0	0	0	0	1	0	0	16	32	43.24
Forbs & Succulents																																																						
Machaeranthera canescens																																																			0	0	0.00
Medicago sativa																		1																1																	1	2	2.70
Melilotus officinalis																																																			1	2	2.70
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Syembrium alliaceum																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	5.41
Grasses																																																					
Agropyron smithii																																																					
Agropyron spicatum			1				1				1				1																																					0	0	0.00
Agropyron cristatum																																					1					1	1								6	16	21.62
Bromus tectorum							1		1															1			1				1	1																			0	0	0.00
Elymus salinus																																														1	1	1		1	1	11	22	29.73
Elymus cinereus																																																			0	0	0.00
Elymus giganteous																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Sitanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	0	0	1	0	0	0	1	1	0	1	1	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	1	1	0	0	0	0	1	0	0	0	1	0	1	1	1	1	1	0	1	1	19	38	51.35
Trees																																																					
Juniper																																																			0	0	0.00
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	0	0	0	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	0	0	1	1	1	1	0	0	0	1	1	1	1	1	1	1	0	1	1	1	0	1	1	1	1	1	1	1	1	37	74	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																					
Litter													1																																								1	2	
Rock																																																				0	0	
Bare Ground				1	1	1					1		1									1	1					1	1	1							1														12	24	
Total Physical Features	0	0	0	1	1	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1	1	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	13	28	
																																																		50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Comments:																																																					

Horse Canyon Revegatation Project Tally Sheet

Date: | **Area: 16** | **Transect: 5** | **UTM: 554185/ 4366959** | **Heading: 59**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens								1	1																																													
Atriplex confertifolia																											1								1	1	1														1	7	14	19.44
Artemisia nova																																																				0	0	0.00
Artemisia tridentata tridentata	1									1															1	1																										0	0	0.00
Chrysothamnus nauseosus																																								1	1	1	1	1							6	16	25.00
Chrysothamnus viscidiflorus																																																			0	0	0.00
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	1	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	1	1	1	0	0	1	1	1	1	1	0	0	0	0	0	1	16	32	44.44
Forbs & Succulents																																																						
Grindelia squarrosa																																																			0	0	0.00
Machaeranthera canescens																																																					
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Syalmbrium altissimum																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																					
Agropyron smithii																																																					
Agropyron spicatum													1		1	1	1			1	1			1						1				1				1														0	0	0.00
Agropyron cristatum																																1						1											1	1	12	24	33.33
Bromus tectorum										1	1							1	1																																		1	2	2.78
Elymus salinus																															1		1						1												7	14	19.44
Elymus cinereus																																																				0	0	0.00
Elymus giganteous																																																				0	0	0.00
Hilaria jamesii																																																				0	0	0.00
Oryzopsis hymenoides																																																				0	0	0.00
Stipanion hystrix																																																				0	0	0.00
Stipa comata																																																				0	0	0.00
Total Grass Cover	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	1	1	1	1	1	1	0	0	1	0	0	0	0	0	1	1	1	1	1	0	0	0	1	1	0	0	0	0	0	0	0	1	1	0	0	20	40	55.56
Trees																																																					
Juniper																																																				0	0	0.00
Pinon																																																				0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	0	0	0	0	0	0	1	1	1	1	1	1	0	1	1	1	1	1	1	1	0	0	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	36	72	100.00
Cryptobiotic																																																				0	0	
Physical Features																																																					
Litter					1	1																																														2	4	
Rock		1	1	1			1							1								1	1					1	1																		1	1	1			12	24	
Bare Ground																																																				0	0	
Total Physical Features	0	1	1	1	1	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	14	28	
																																																			50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Comments:																																																					

Horse Canyon Revegatation Project Tally Sheet

Date: | **Area: 16** | **Transect: 6** | **UTM: 554240/ 4366942** | **Heading: 136**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens	1	1						1	1																											1	1														18	24.32
Atriplex confertifolia																																														1	1	1		9		
Artemisia nova										1																									1														0	0	0.00
Artemisia tridentata tridentata																																																	0	0	0.00
Chrysothamnus nauseosus																																																	2	4	5.41
Chrysothamnus viscidiflorus																																																	0	0	0.00
Cowania mexicana																																																	0	0	0.00
Ceratoides lanata																																																	0	0	0.00
Ephedra viridis																																																	0	0	0.00
Sarcobatus vermiculatus																																																	0	0	0.00
Gutierrezia sarothrae																																																	0	0	0.00
Total Shrubs Cover	1	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	0	11	22	29.73
Forbs & Succulents																																																					
Grindelia squarrosa																																																		0	0	0.00
aggrisinatus																																																				
Machaeranthera canescens																																																				
Medicago sativa																																																		0	0	0.00
Melilotus officinalis																																																		0	0	0.00
Penstemon palmeri																																																		0	0	0.00
Sphaeralcia coccinea																																																		0	0	0.00
Syalmbrium altissimum																																																		0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																				
Agropyron smithii																																																				
Agropyron spicatum														1																1	1	1																		0	0	0.00
Agropyron cristatum																									1																						1	1	1			1	11	22	29.73
Bromus tectorum			1	1							1	1	1								1	1	1	1		1	1						1	1				1												1	2	2.70
Elymus salinus																																																			14	28	37.84
Elymus cinereus																																																		0	0	0.00
Elymus gigenteous																																																		0	0	0.00
Hilaria jamesii																																																		0	0	0.00
Oryzopsis hymenoides																																																		0	0	0.00
Stanion hystrix																																																		0	0	0.00
Stipa comata																																																		0	0	0.00
Total Grass Cover	0	0	1	1	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	1	1	1	1	1	0	0	0	1	1	1	1	0	0	0	1	1	1	0	0	1	28	52	70.27
Trees																																																				
Juniper																																																				
Pinon																																																				
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	37	74	100.00
Cryptobiotic																																																		0	0	
Physical Features																																																				
Litter					1	1	1								1	1		1	1	1																															9	18	
Rock																	1											1	1																						4	8	
Bare Ground																																																			0	0	
Total Physical Features	0	0	0	0	1	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	13	26	
																																																		50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Comments:																																																				

Horse Canyon Revegatation Project Tally Sheet

Date: | **Area: 16** | **Transect: 7** | **UTM: 554315/ 4366926** | **Heading: 157**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens																											1	1														1	1									4	8	6.82
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata																																																			0	0	0.00
Chrysothamnus nauseosus																																				1															1	2	2.38
Chrysothamnus viscidiflorus																																																			0	0	0.00
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata	1																																																		1	2	2.38
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0	0	0	0	0	0	6	12	14.29
Forbs & Succulents																																																						
Grindelia squarrosa																																																			0	0	0.00
aspleniifolia																																																					
Machaeranthera canescens																																																					
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Sysimbrium altissimum																																																			0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																					
Agropyron smithii																																																				0	0	0.00
Agropyron spicatum		1	1	1							1	1	1	1					1	1	1	1	1	1	1	1			1	1		1	1	1	1	1	1		1	1			1	1	1	1		1	1	1	32	64	76.19
Agropyron cristatum																																																				0	0	0.00
Bromus tectorum					1	1	1																																												3	6	7.14
Elymus salinus																																																			0	0	0.00
Elymus cinereus																																																			0	0	0.00
Elymus giganteous																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides										1																																									1	2	2.38
Sitanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	0	1	1	1	0	1	1	1	0	0	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	0	0	1	1	0	1	1	1	1	1	1	0	1	1	0	0	1	1	1	1	0	1	1	1	36	72	85.71
Trees																																																					
Juniper																																																			0	0	0.00
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	0	1	1	1	0	0	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	42	84	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																				
Litter																																																			0	0	
Rock																																																			0	0	
Bare Ground					1				1	1						1	1	1												1																	1				8	16	
Total Physical Features	0	0	0	0	1	0	0	0	1	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	8	16	
																																																		50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Comments:																																																					

Horse Canyon Revegatation Project Tally Sheet

Date: | **Area: 16** | **Transect: 8** | **UTM: 554278/ 4366873** | **Heading: 355**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens																															1	1	1																		3	6	10.71
Atriplex confertifolia																																									1			1							2	4	7.14
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata																																																		0	0	0.00
Chrysothamnus nauseosus	1																1	1	1	1				1	1	1													1	1											10	28	35.71
Chrysothamnus viscidiflorus																																																		0	0	0.00
Cowania mexicana																																																		0	0	0.00
Ceratoides lanata																																																		0	0	0.00
Ephedra viridis																																																		0	0	0.00
Sarcobatus vermiculatus																																																		0	0	0.00
Gutierrezia sarothrae																																																		0	0	0.00
Total Shrubs Cover	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	1	1	1	0	0	0	0	1	1	1	0	0	0	0	0	1	1	1	0	0	1	0	0	0	0	0	0	15	30	53.57
Forbs & Succulents																																																		0	0	0.00
Grindelia squarrosa																																																				
Machaeranthera canescens																																																		0	0	0.00
Medicago sativa																																																		0	0	0.00
Melilotus officinalis																																																		0	0	0.00
Penstemon palmeri																																																		0	0	0.00
Sphaeralcia coccinea																																																		0	0	0.00
Sysimbrium altissimum																																																				
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																				
Agropyron smithii																																																		0	0	0.00
Agropyron spicatum				1	1																															1	1											5	10	17.86
Agropyron cristatum																																																		0	0	0.00
Bromus tectorum		1	1						1			1																										1											5	10	17.86
Elymus salinus																																																		0	0	0.00
Elymus cinereus								1					1	1																																					3	6	10.71
Elymus gigantoeus																																																		0	0	0.00
Hilaria jamesii																																																		0	0	0.00
Oryzopsis hymenoides																																																		0	0	0.00
Sitanion hystrix																																																		0	0	0.00
Stipa comata																																																		0	0	0.00
Total Grass Cover	0	1	1	1	1	0	0	1	1	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	1	0	13	26	46.43
Trees																																																				
Juniper																																																		0	0	0.00
Pinon																																																		0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	1	0	0	1	1	0	0	1	1	1	0	0	1	1	1	1	0	0	0	1	1	1	0	0	0	0	1	1	1	0	0	1	1	1	1	1	1	0	0	1	0	0	0	0	1	0	28	56	100.00
Cryptobiotic																																																		0	0	
Physical Features																																																				
Litter																													1	1															1						3	6	
Rock																																																			0	0	
Bare Ground						1	1			1	1				1	1					1	1	1				1	1							1	1							1	1			1	1	1		1	19	38	
Total Physical Features	0	0	0	0	0	1	1	0	0	1	1	0	0	0	1	1	0	0	0	0	1	1	1	0	0	0	1	1	1	0	0	0	1	1	0	0	0	0	0	0	1	1	0	1	1	1	1	0	1	22	44	
																																																	50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
Comments:																																																				

Horse Canyon Revegatation Project Tally Sheet

Date: | **Area: 17** | **Transect: 9** | **UTM: 554279/ 4366901** | **Heading: 325**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens																																											1	1						2	4	5.26
Atriplex confertifolia					1						1	1							1														1									1						1	7	14	18.42
Artemisia nova																																																		0	0	0.00
Artemisia tridentata tridentata																																																		0	0	0.00
Chrysothamnus nauseosus																																																		0	0	0.00
Chrysothamnus viscidiflorus	1																	1														1																			3	6	7.89
Cowania mexicana																																																		0	0	0.00
Ceratoides lanata																																																		0	0	0.00
Ephedra viridis																																																		0	0	0.00
Sarcobatus vermiculatus																																																		0	0	0.00
Gutierrezia sarothrae										1																																									0	0	0.00
Total Shrubs Cover	1	0	0	0	1	0	0	0	0	1	1	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	1	13	26	34.21
Forbs & Succulents																																																			0	0	0.00
Grindelia squarrosa																																																					
Machaeranthera canescens																																																	1		1	2	2.63
Medicago sativa																										1																										1	2	2.63
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Sysimbrium altissimum																																																					
Purple daisy																																																					
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	4	5.26
Grasses																																																					
Agropyron smithii																																																			0	0	0.00
Agropyron spicatum						1								1		1				1	1	1					1	1	1	1	1				1	1	1	1		1	1						1			18	36	47.37
Agropyron cristatum																																																			0	0	0.00
Bromus tectorum													1				1																1									1								5	10	13.16
Elymus salinus																																																			0	0	0.00
Elymus cinereus																																																			0	0	0.00
Elymus gigantecus																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Stanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	0	0	0	0	0	1	0	0	0	0	0	0	1	1	0	1	1	0	0	1	1	1	0	0	0	0	1	1	1	1	1	0	0	1	1	1	1	1	0	1	1	1	0	0	0	1	0	1	0	0	23	46	60.53
Trees																																																					
Juniper																																																			0	0	0.00
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	0	0	0	1	1	0	0	0	1	1	1	1	1	0	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	0	1	1	1	38	76	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																					
Litter			1	1											1																																1			4	8	
Rock																																																			0	0	
Bare Ground		1					1	1	1														1	1	1																										8	16	
Total Physical Features	0	1	1	1	0	0	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	12	24	
																																																		50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Comments:																																																					

Horse Canyon Revegatation Project Tally Sheet

Date: | **Area: 16** | **Transect:10** | **UTM: 554281/ 4366938** | **Heading: 113**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens			1	1	1	1	1	1	1																	1																									6	16	19.05
Atriplex confertifolia																1					1						1	1																								4	8	9.52
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata																																																		0	0	0.00
Chrysothamnus nauseosus																															1											1								2	4	4.76
Chrysothamnus viscidiflorus																																																		0	0	0.00
Cowania mexicana																																																		0	0	0.00
Ceratoides lanata																																																		0	0	0.00
Ephedra viridis																																																		0	0	0.00
Sarcobatus vermiculatus																																																		0	0	0.00
Gutierrezia sarothrae																																																		0	0	0.00
Total Shrubs Cover	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	14	28	33.33
Forbs & Succulents																																																						
Grindelia squarrosa																																																			0	0	0.00
Machaeranthera canescens																																																					
Medicago sativa										1													1	1	1																											0	0	0.00
Melilotus officinalis																																																			4	8	9.52
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Sysimbrium altissimum																																																			0	0	0.00
Purple daisy																																																					
Total Forb Cover	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	8	9.52
Grasses																																																					
Agropyron smithii																																																			0	0	0.00
Agropyron spicatum		1									1	1	1	1	1						1												1	1					1	1				1	1	1			1	1	16	32	38.10
Agropyron cristatum																																																			0	0	0.00
Bromus tectorum																			1	1								1	1		1	1											1	1							8	16	19.05
Elymus salinus																																																			0	0	0.00
Elymus cinereus																																																			0	0	0.00
Elymus giganteous																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Stanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	0	1	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	1	1	1	0	0	0	0	0	0	1	1	0	1	1	1	1	0	0	0	1	1	1	1	1	0	1	1	1	0	0	1	1	24	48	57.14
Trees																																																				
Juniper																																																			0	0	0.00
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	0	0	1	1	1	42	84	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																				
Litter																	1																																			1	2	
Rock																																																			0	0	
Bare Ground	1																	1																			1	1	1							1	1				7	14	
Total Physical Features	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	1	1	0	0		8	16	
																																																		50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Comments:																																																				

Horse Canyon Revegetation Project Tally Sheet

Date: | **Area: 16** | **Transect: 11** | **UTM: 554214/ 4366926** | **Heading: 267**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens																																1	1	1																3	6	10.00
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata																													1																						0	0	0.00
Chrysothamnus nauseosus																																										1						1	1		4	8	13.33
Chrysothamnus viscidiflorus																																																			0	0	0.00
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	0	7	14	23.33
Forbs & Succulents																																																						
Grindelia squarrosa																																																				0	0	0.00
Machaeranthera canescens								1																																													
Medicago sativa																																																				1	2	3.33
Melilotus officinalis																																																				0	0	0.00
Penstemon palmeri	1								1	1																				1																						0	0	0.00
Sphaeralcia coccinea																																																				4	8	13.33
Sysimbrium altissimum																																																			0	0	0.00
Total Forb Cover	1	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	10	16.67
Grasses																																																						
Agropyron smithii																																																						
Agropyron spicatum		1	1	1							1	1																1																								0	0	0.00
Agropyron cristatum																																																				6	16	26.67
Bromus tectorum																			1	1	1	1	1				1							1	1								1								0	0	0.00
Elymus salinus																																																			10	20	33.33
Elymus cinereus																																																			0	0	0.00
Elymus giganteus																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Sitanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	0	1	1	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	1	1	1	0	0	0	1	1	0	0	0	0	0	0	1	1	1	0	0	0	1	0	0	0	1	1	0	0	0	18	36	60.00
Trees																																																					
Juniper																																																				0	0	0.00
Pinon																																																				0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	0	0	0	1	1	1	1	1	0	0	0	0	0	0	1	1	1	1	1	0	0	0	1	1	1	1	0	1	1	1	1	1	1	0	0	0	1	1	0	0	1	1	1	1	0	0	30	60	100.00
Cryptobiotic																																																					
Physical Features																																																			0	0	
Litter																	1							1	1	1					1																				5	10	
Rock																																																			0	0	
Bare Ground					1	1	1						1	1	1	1		1																										1	1	1			1	1			15	30	
Total Physical Features	0	0	0	0	1	1	1	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	1	1	1	0	0	0	0	1	0	0	0	0	0	1	1	1	0	0	0	1	1	0	0	0	0	1	1	20	40	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	50	100	
Comments:																																																					

Horse Canyon Revegatation Project Tally Sheet

Date: **Area: 16** **Transect: 12** **UTM: 554211/ 4366966** **Heading: 360**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens						1		1				1	1			1	1	1									1	1					1	1	1	1	1													14	28	42.42
Atriplex confertifolia																																																		0	0	0.00
Artemisia nova																																																		0	0	0.00
Artemisia tridentata tridentata							1						1													1																								0	0	0.00
Chrysothamnus nauseosus																																											1	1				1		6	12	18.18
Chrysothamnus viscidiflorus																																																	0	0	0.00
Cowania mexicana																																																	0	0	0.00
Ceratoides lanata																																																	0	0	0.00
Ephedra viridis																																																	0	0	0.00
Sarcobatus vermiculatus																																																	0	0	0.00
Gutierrezia sarothrae																																																	0	0	0.00
Total Shrubs Cover	0	0	0	0	0	1	1	1	0	0	0	1	1	1	0	1	1	1	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	1	1	0	0	0	1	0	20	40	60.61
Forbs & Succulents																																																					
Grindelia squarrosa																																																		0	0	0.00
Machaeranthera canescens																																																				
Medicago sativa																			1																																0	0	0.00
Melilotus officinalis																																																		2	4	6.06
Penstemon palmeri																																																		0	0	0.00
Sphaeralcia coccinea																																																		0	0	0.00
Sysimbrium altissimum																																																		0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2	4	6.06
Grasses																																																				
Agropyron smithii																																																				
Agropyron spicatum	1	1						1		1															1				1																					0	0	0.00
Agropyron cristatum																																																		6	12	18.18
Bromus tectorum																						1																												0	0	0.00
Elymus salinus																																																		5	10	15.15
Elymus cinereus																																																		0	0	0.00
Elymus giganteous																																																		0	0	0.00
Hilaria jamesii																																																		0	0	0.00
Oryzopsis hymenoides																																																		0	0	0.00
Sitanion hystrix																																																		0	0	0.00
Stipa comata																																																		0	0	0.00
Total Grass Cover	1	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1	0	0	11	22	33.33
Trees																																																			
Juniper																																																		0	0	0.00
Pinon																																																		0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	0	0	0	1	1	1	1	0	1	1	1	1	0	1	1	1	1	0	0	1	0	0	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1	0	33	66	100.00
Cryptobiotic																																																		0	0	
Physical Features																																																			
Litter																																																		0	0	
Rock																																																		0	0	
Bare Ground			1	1	1				1					1						1	1		1	1					1	1	1	1										1	1	1					1	17	34	
Total Physical Features	0	0	1	1	1	0	0	0	0	1	0	0	0	0	1	0	0	0	0	1	1	0	1	1	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	1	17	34	
																																																	50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Comments:																																																				

Horse Canyon Revegatation Project Tally Sheet

Date: | **Area: 16** | **Transect: 13** | **UTM: 554261/ 4366994** | **Heading: 86**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens														1	1	1								1																	1	1										6	12	15.79
Atriplex confertifolia																																																			0	0	0.00
Artemisia nova																																																			0	0	0.00
Artemisia tridentata tridentata																							1																													0	0	0.00
Chrysothamnus nauseosus							1																																		1							1			3	6	7.89
Chrysothamnus viscidiflorus																																																			1	2	2.63
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																																																			0	0	0.00
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	1	0	10	20	26.32
Forbs & Succulents																																																						
Grindelia squarrosa																																																			0	0	0.00
Machaeranthera canescens																																																				-	
Medicago sativa																																																			0	0	0.00
Melilotus officinalis																																																			0	0	0.00
Penstemon palmeri	1				1	1																																												0	0	0.00
Sphaeralcia coccinea																																																			3	6	7.89
Syntrichium allissimum																																																			0	0	0.00
Total Forb Cover	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	6	7.89
Grasses																																																					
Agropyron smithii																																																			0	0	0.00
Agropyron spicatum										1	1	1	1				1	1			1						1	1					1	1	1	1	1	1	1						1	1		1	19	38	50.00
Agropyron cristatum																																																			0	0	0.00
Bromus tectorum																						1			1														1											3	6	7.89
Elymus salinus																																																			0	0	0.00
Elymus cinereus																																																			0	0	0.00
Elymus giganteous																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides		1	1	1																																															3	6	7.89
Sitanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	0	1	1	1	0	0	0	0	0	1	1	1	1	0	0	0	1	1	0	0	1	1	0	0	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	1	0	1	25	50	65.79
Trees																																																					
Juniper																																																			0	0	0.00
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1	38	76	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																					
Litter																																																			2	4	
Rock																														1																				1	2	
Bare Ground								1	1											1	1								1	1	1																				9	18	
Total Physical Features				0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	12	24	
																																																		50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Comments:																																																					

Horse Canyon Revegatation Project Tally Sheet

Date: | **Area: 16** | **Transect: 14** | **UTM: 554290/ 4366964** | **Heading: 199**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens		1	1				1	1			1	1	1					1	1				1	1	1	1																									13	26	32.50
Atriplex confertifolia																																																		0	0	0.00
Artemisia nova																																																		0	0	0.00
Artemisia tridentata tridentata														1													1							1	1							1	1	1	1	1	1			10	20	25.00
Chrysothamnus nauseosus																												1																						1	2	2.50
Chrysothamnus viscidiflorus																																																	0	0	0.00
Cowania mexicana																																																	0	0	0.00
Ceratoides lanata																																																	0	0	0.00
Ephedra viridis																																																	0	0	0.00
Sarcobatus vermiculatus																																																	0	0	0.00
Gutierrezia sarothrae																																																	0	0	0.00
Total Shrubs Cover	0	1	1	0	0	0	1	1	0	0	1	1	1	1	0	0	0	1	1	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	1	1	0	0	0	0	0	1	1	1	1	1	1	0	0	0	24	48	60.00
Forbs & Succulents																																																					
Grindelia squarrosa																																																		0	0	0.00
Machaeranthera canescens																																																				
Medicago sativa																																																		0	0	0.00
Melilotus officinalis																																																		0	0	0.00
Penstemon palmeri																																																		0	0	0.00
Sphaeralcia coccinea																																																		0	0	0.00
Sysimbrium altissimum																																																		0	0	0.00
Total Forb Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Grasses																																																				
Agropyron smithii																																																		0	0	0.00
Agropyron spicatum	1			1		1				1						1	1												1				1									1					1	1		11	22	27.50
Agropyron cristatum					1																																												1	2	2.50
Bromus tectorum								1							1					1														1															4	8	10.00
Elymus salinus																																																		0	0	0.00
Elymus cinereus																																																		0	0	0.00
Elymus gigantieous																																																		0	0	0.00
Hilaria jamesii																																																		0	0	0.00
Oryzopsis hymenoides																																																		0	0	0.00
Sitanion hystrix																																																		0	0	0.00
Stipa comata																																																		0	0	0.00
Total Grass Cover	1	0	0	1	1	1	0	0	1	1	0	0	0	0	1	1	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	0	16	32	40.00
Trees																																																				
Juniper																																																		0	0	0.00
Pinon																																																		0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	0	40	80	100.00
Cryptobiotic																																																		0	0	
Physical Features																																																				
Litter																					1																													1	2	4	
Rock																																																		0	0	0	
Bare Ground																						1								1	1	1					1	1	1										1	6	16	
Total Physical Features	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	1	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	10	20	
																																																	50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Comments:																																																				

Horse Canyon Revegatation Project Tally Sheet

Date: | **Area: 16** | **Transect: 15** | **UTM: 554301/ 4366977** | **Heading: 215**

Plant Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Total	Percent Cover	Relative Vegetative Cover
Shrubs																																																				
Atriplex canescens									1	1	1								1	1	1						1	1	1	1													1			1	1		1				14	28	35.90
Atriplex confertifolia																																										1	1	1								3	6	7.69
Artemisia nova																																																				0	0	0.00
Artemisia tridentata tridentata		1					1	1																																											3	6	7.69
Chrysothamnus nauseosus																																																			0	0	0.00
Chrysothamnus viscidiflorus																																																			0	0	0.00
Cowania mexicana																																																			0	0	0.00
Ceratoides lanata																																	1																		1	2	2.56
Ephedra viridis																																																			0	0	0.00
Sarcobatus vermiculatus																																																			0	0	0.00
Gutierrezia sarothrae																																																			0	0	0.00
Total Shrubs Cover	0	1	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	1	1	1	1	0	0	1	0	0	0	0	0	0	0	1	1	1	1	1	1	0	1	0	0	21	42	53.85
Forbs & Succulents																																																						
Grindelia squarrosa																																																			0	0	0.00
Machaeranthera canescens																																																					
Medicago sativa			1												1																		1																		0	0	0.00
Melilotus officinalis																																																			3	6	7.69
Penstemon palmeri																																																			0	0	0.00
Sphaeralcia coccinea																																																			0	0	0.00
Syalmbrium allissimum																																																			0	0	0.00
Total Forb Covet	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	6	7.69
Grasses																																																					
Agropyron smithii																																																			0	0	0.00
Agropyron spicatum	1											1	1				1	1				1	1		1	1				1				1						1										12	24	30.77
Agropyron cristatum																																																			0	0	0.00
Bromus tectorum																																																			3	6	7.69
Elymus salinus																																																			0	0	0.00
Elymus cinereus																																																			0	0	0.00
Elymus giganteous																																																			0	0	0.00
Hilaria jamesii																																																			0	0	0.00
Oryzopsis hymenoides																																																			0	0	0.00
Sitanion hystrix																																																			0	0	0.00
Stipa comata																																																			0	0	0.00
Total Grass Cover	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	0	0	0	1	1	0	1	1	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	1	0	1	1	15	30	38.46
Trees																																																					
Juniper																																																				0	0	0.00
Pinon																																																			0	0	0.00
Total Tree Cover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total Vegetation Cover	1	1	1	0	0	0	1	1	1	1	1	1	1	0	1	0	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	0	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	39	78	100.00
Cryptobiotic																																																			0	0	
Physical Features																																																					
Litter																																																			0	0	
Rock																																																		3	6	
Bare Ground				1	1	1								1		1								1							1				1															8	16	
Total Physical Features	0	0	0	1	1	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	11	22	
																																																		50	100	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Comments:																																																					

Appendix 2

Woody Plant Density Data

Horse Canyon Revegetation Shrub Density Sheet

Date:	7/23/2004																
Area:	Reference																
Transect:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total	Plants/acre
UTM:	553521	553557	553547	553811	553581	553619	553545	553538	553597	553540	553505	553536	553561	553505	553460		
	4368197	4368159	4368178	4368141	4368151	4368132	4368052	4368054	4368059	4368079	4368106	4368136	4368170	4368172	4368146		
Heading:	114	283	154	338	70	138	311	106	285	316	97	2	203	250	119		
Shrubs																	
Atriplex canescens	1															1	2.904
Atriplex confertifolia																	
Atriplex corrugata																	
Atriplex cuneata																	
Artemisia nova																	
Artemisia tridentata tridentata																	
Chrysothamnus nauseosus																	
Chrysothamnus viscidiflorus																	
Ceratoides lanata			1													1	2.904
Ephedra viridis							1									1	2.904
Sarcobatus vermiculatus	10															10	29.04
Leptodactylon pungens						1				1						2	5.808
Gutierrezia sarothrae		15	19	15	71	14	1	5	4	12	56	29	10	9	3	263	763.752
Total Shrubs	11	15	20	15	71	15	2	5	4	13	56	29	10	9	3	278	807.312
Trees																	
Juniper	3	7	8	4	1	10	8	10	6	10	5	3	3	5	6	89	258.456
Pinyon		1				3	5	5	1	1						16	46.464
Total Trees	3	8	8	4	1	13	13	15	7	11	5	3	3	5	6	105	304.92
Total Woody Plants	14	23	28	19	72	28	15	20	11	24	61	32	13	14	9	383	1112.232
Plants/acre	609.84	1001.88	1219.68	827.64	3136.32	1219.68	653.4	871.2	479.16	1045.44	2657.16	1393.92	566.28	609.84	392.04		
Average Plants/acre	1112.232																
Standard Deviation	787.1623224																
Comments:																	

Horse Canyon Revegetation Shrub Density Sheet

Date:	8/7/2004																
Area:	3																
Transect:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total	Plants/acre
UTM:	555524	555485	555534	555494	555521	555515	555493	555437	555475	555422	555441	555481	555504	555540	555557		
	4368063	4368015	4368042	4368033	4368073	4368044	4368029	4368056	4368004	4367991	4368018	4367975	4367961	4367930	4368055		
Heading:	63	21	237	25	133	242	305	188	348	130	33	70	52	356	262		
Shrubs																	
Atriplex canescens	22	15	15	19	15	10	19	20	17	11	15	15	16	22	25	256	743.424
Atriplex confertifolia																	
Atriplex corrugata																	
Atriplex cuneata																	
Artemisia nova																	
Artemisia tridentata tridentata	23	51	16	16	16	16	3	10	5	21	10	22	22	32	17	280	813.12
Chrysothamnus nauseosus	2	8	2	1	3	3		1	5	6	2	6	1	5	2	47	136.488
Chrysothamnus viscidiflorus	5		6	2	4	1		7		1			2	3	1	32	92.928
Cowania mexicana					1						1		1			3	8.712
Ceratoides lanata																	
Ephedra viridis																	
Sarcobatus vermiculatus																	
Gutierrezia sarothrae																	
Total Shrubs	52	74	39	38	39	30	22	38	27	39	28	43	42	62	45	618	1794.672
Trees																	
Juniper																	
Pinyon																	
Total Trees																0	0
Total Woody Plants	52	74	39	38	39	30	22	38	27	39	28	43	42	62	45	618	1794.672
Plants/acre	2265.12	3223.44	1698.84	1655.28	1698.84	1306.8	958.32	1655.28	1176.12	1698.84	1219.68	1873.08	1829.52	2700.72	1960.2		
Average Plants/acre by transect	1794.672																
Standard Deviation	587.7026533																
Comments:																	

Horse Canyon Revegetation Shrub Density Sheet

Date:	8/7/2004																
Area:	6																
Transect:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total	Plants/acre
UTM:	555622	555556	555552	555529	555509	555521	555472	555470	555440	555418	555448	555420	555471	555544	555581		
	4368177	4368189	4368213	4368190	4368189	4368147	4368152	4368157	4368139	4368139	4368155	4368130	4368140	4368187	4368141		
Heading:	240	215	209	306	116	250	162	254	115	43	230	18	74	13	283		
Shrubs																	
Atriplex canescens	10	30	20	12	34	23	34	27	18	44	38	57	30	19	41	437	1269.048
Atriplex confertifolia																	
Atriplex corrugata																	
Atriplex cuneata																	
Artemisia nova	2	2	8	15	3	8	1						1	3	1	44	127.776
Artemisia tridentata tridentata	29	26	57	50	36	45	28	28	29	8	8	36	77	54	37	548	1591.392
Chrysothamnus nauseosus	1			1				3	1				2			8	23.232
Chrysothamnus viscidiflorus	15	2	2	1	1	3	14	5	39	2			6	1		91	264.264
Cowania mexicana																	
Ceratoides lanata			9	100	25	1		3		2		1			1	142	412.368
Ephedra viridis																	
Sarcobatus vermiculatus							13									13	37.752
Gutierrezia sarothrae	11	1	4	3		4		11		9		7	6	6		62	180.048
Total Shrubs	68	61	100	182	99	84	90	77	87	65	46	101	122	83	80	1345	3905.88
Trees																	
Juniper																	
Pinyon																	
Total Trees																0	0
Total Vegetation	68	61	100	182	99	84	90	77	87	65	46	101	122	83	80	1345	3905.88
Plants/acre	2962.08	2657.16	4356	7927.92	4312.44	3659.04	3920.4	3354.12	3789.72	2831.4	2003.76	4399.56	5314.32	3615.48	3484.8		
Average Plants/acre	3905.88																
Standard Deviation	1379.323577																
Comments:																	

yellow flower forb(cryptantha-umbel - like), curly cup gum weed, composite, unknown shrub 2, Hedysarum, globe mallow, Tumbe mustard, yellow clover, deer pellets, poa balbosa? Present

Horse Canyon Revegetation Shrub Density Sheet																	
Date:	8/6/2004																
Area:	7																
Transect:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total	Plants/acre
UTM:	555418	555390	555395	555369	555429	555437	555409	555449	555373	555419	555431	555414	555362	555392	555416		
	4368099	4368040	4368085	4368088	4368082	4368124	4368102	4368078	4368088	4368127	4368109	4368128	4368037	4367992	4368061		
Heading:	216	44	231	60	294	237	86	240	51	90	209	172	100	30	56		
Shrubs																	
Atriplex canescens	38	4	16	14	35	36	21	45	21	26	26	13	23	28	32	378	1097.712
Atriplex confertifolia						48										48	139.392
Atriplex corrugata																	
Atriplex cuneata																	
Artemisia nova		8	13	1	2			1			1		1			27	78.408
Artemisia tridentata tridentata	50	165	208	83	46		54	47	90	56	48	71	86	56	53	1113	3232.152
Chrysothamnus nauseosus		1	1										1			3	8.712
Chrysothamnus viscidiflorus		8	4							5	1		1		2	21	60.984
Cowania mexicana																	
Ceratoides lanata										2						2	5.808
Cowania mexicana	1						1									2	5.808
Ephedra viridis																	
Gutierrezia sarothrae		24					19		1		1	4	4	5		58	168.432
Sarcobatus vermiculatus			7													7	20.328
Total Shrubs	89	210	249	98	83	84	95	93	112	89	77	88	116	89	87	1659	4817.736
Trees																	
Juniper																	
Pinyon																	
Total Trees																0	0
Total Vegetation	89	210	249	98	83	84	95	93	112	89	77	88	116	89	87	1659	4817.736
Plants/acre	3876.84	9147.6	10846.44	4268.88	3615.48	3659.04	4138.2	4051.08	4878.72	3876.84	3354.12	3833.28	5052.96	3876.84	3789.72		
Average Plants/acre	4817.736																
Standard Deviation	2173.128277																
Comments:																	
Penstemon Palmeri, Globe mallow with wide leaf, Tumble mustard, Snakeweed present																	

Horse Canyon Revegetation Shrub Density Sheet																	
Date:	8/7/2004																
Area:	11, 13 & 14																
Transect:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total	Plants/acre
UTM:	554572	554595	554600	554544	554635	554602	554700	554772	554806	554808	554816	554831	554907	554959	554910		
	4367275	4367314	4367289	4367253	4367275	4367288	4367333	4267375	4367373	4367382	4367426	4367442	4367485	4367950	4367572		
Heading:	348	136	220	47	9	93	26	184	360	29	254	46	31	216	156		
Shrubs																	
Atriplex canescens	14	10	34	25	18	40	14	26	22	14	31	13	22	28	30	341	990.264
Atriplex confertifolia																	
Atriplex corrugata																	
Atriplex cuneata																	
Artemisia nova					1				2						4	7	20.328
Artemisia tridentata tridentata				9	17	13	12	6	14	5	9	17	2	9	9	122	354.288
Chrysothamnus nauseosus				1		1	2		1			6			1	12	34.848
Chrysothamnus viscidiflorus					1		1					1				3	8.712
Cowania mexicana																	
Ceratoides lanata	1	1	1					1			1		2		5	12	34.848
Cowania mexicana								1	1							2	5.808
Ephedra viridis															1	1	2.904
Gutierrezia sarothrae					2	3		1		1		11				18	52.272
Sarcobatus vermiculatus		1			3	8			1							13	37.752
Total Shrubs Cover	15	12	35	35	42	65	29	35	41	20	41	48	26	37	50	531	1542.024
Trees																	
Juniper																	
Pinyon																	
Total Tree Cover																0	0
Total Vegetation Cover	15	12	35	35	42	65	29	35	41	20	41	48	26	37	50	531	1542.024
Plants/acre	653.4	522.72	1524.6	1524.6	1829.52	2831.4	1263.24	1524.6	1785.96	871.2	1785.96	2090.88	1132.56	1611.72	2178		
Average Plants/acre	1542.024																
Standard Deviation	603.5401541																
Comments:																	
Cliff rose, Globe mallow, Crested wheat grass, Medicago, Yellow clover, Curly cup gum weed present																	

Horse Canyon Revegetation Shrub Density Sheet

Date:	7/23/2004																
Area:	15 & 17																
Transect:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total	Plants/acre
UTM:	553702	553710	553757	553796	553737	553788	553824	553827	553851	553837	553923	554012	553966	553943	553972		
	4366972	4366987	4366963	4366984	4367020	4367069	4367046	4367093	4367049	4367000	4367077	4367117	4367084	4367089	4367117		
Heading:	212	159	94	333	2	81	292	136	242	283	346	181	250	77	308		
Shrubs																	
Atriplex canescens	13	8	23	12	23	26	25	19	45	19	14	10	4	6	19	266	772.464
Atriplex confertifolia					4		2									6	17.424
Atriplex corrugata																	0
Atriplex cuneata																	0
Artemisia nova	1		2		1	1			1				1			7	20.328
Artemisia tridentata tridentata	43	18	56	39	9	41	46	7	16	19	15	9	21	3	17	359	1042.536
Chrysothamnus nauseosus	2	2	2	1		5	1				2		3	1		19	55.176
Chrysothamnus viscidiflorus													1		1	2	5.808
Cowania mexicana																	0
Ceratoides lanata	2	2	1	1		4	2	1	3	1	1	2	1		1	22	63.888
Ephedra viridis																	0
Guterezia sarothrae	1	2					1						11		7	22	63.888
Sarcobatus vermiculatus	2			8	22			2	1	4	29	3				71	206.184
																	0
Total Shrubs	64	32	84	61	59	77	77	29	66	43	61	24	42	10	45	774	2247.696
																	0
Trees																	0
Juniper																	0
Pinyon																	0
																	0
Total Trees																0	0
Total Vegetation	64	32	84	61	59	77	77	29	66	43	61	24	42	10	45	774	2247.696
Plants/acre	2787.84	1393.92	3659.04	2657.16	2570.04	3354.12	3354.12	1263.24	2874.96	1873.08	2657.16	1045.44	1829.52	435.6	1960.2		
Average Plants/acre	2247.696																
Standard Deviation	940.7346528																
Comments:																	
Japanese brome, Atriplex with puple stem, Halogeton glomeratus, Salina wild rye, Tumble mustard, Erodium cicutaria, Western wheat grass, Unknown forb present																	
Yellow clover, Skeleton weed, Atriplex cuneata,																	

Horse Canyon Revegetation Shrub Density Sheet

Date:	7/22/2004																
Area:	16																
Transect:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total	Plants/acre
UTM:	554239	554243	554243	554228	554285	554284	554238	554241	554246	554195	554206	554270	554250	554300	554231		
	4366964	4366991	4366989	4367001	4366901	4366902	4366884	4366831	4366866	4366876	4366884	4366903	4366974	4366959	4366959		
Heading:	95	232	211	287	9	128	104	57	350	92	70	260	180	188	337		
Shrubs																	
Atriplex canescens	51	44	45	3	5	4	8	24	11	15	9	6	35	4	43	307	891.528
Atriplex confertifolia	1	1		1	8	8	2	13	4	6	12	5	1	21		83	241.032
Atriplex corrugata																	
Atriplex cuneata																	
Artemisia nova										2					1	3	8.712
Artemisia tridentata tridentata	34	66	46	12	3		16	12	16	13	12		34	5	66	335	972.84
Chrysothamnus nauseosus				1	16	26	7	17	11	10	8	19		9		124	360.096
Chrysothamnus viscidiflorus							1	1								2	5.808
Cowania mexicana																	
Ceratoides lanata				1	2			1		1	3			1		9	26.136
Ephedra viridis																	
Sarcobatus vermiculatus																	
Guterezia sarothrae					1	1	2	15	2		1	1				23	66.792
																	0
Total Shrubs	86	111	91	18	35	39	36	83	44	47	45	31	70	40	110	886	2572.944
Trees																	
Juniper																	
Pinyon																	
Total Trees																0	0
Total Vegetation	86	111	91	18	35	39	36	83	44	47	45	31	70	40	110	886	2572.944
Plants/acre	3746.16	4835.16	3963.96	784.08	1524.6	1698.84	1568.16	3615.48	1916.64	2047.32	1960.2	1350.36	3049.2	1742.4	4791.6		
Average Plants/acre	2572.944																
Standard Deviation	1309.438593																
Comments:																	

Appendix 3

Diversity and Similarity Data

Appendix 3. Similarity comparisons			
Unique Species Reference Area (A)	Unique Species Area 3 (B)	Common Species (C)	Similarity Index C/(A+B-C)*100
Sarcobatus vermiculatus	Artemisia nova	Gutierrzia sarothrae	3/(12+17-3)*100 = **11.54**
Euphorbia fendleri	Artemisia tridentata	Machaerantha canescens	
Sphaeralcia coccinea	Atriplex canescens	Bromus tectorum	
Phlox hoodii	Chrysothamnus nauseosus		
Plantago patagonica	Chrysothamnus viscidilflorus		
Opuntia compressa	Cowania mexicana		
Elymus salinus	Meliotus officinalis		
Juniperus osteosperma	Penstemon palmeri		
Pinus edulis	Grindelia squarrosa		
	Agropyron cristatum		
	Agropyron smithii		
	Agropyron spicatum		
	Elymus cinereus		
	Elymus gigantius		

Appendix 3. Similarity comparisons			
Unique Species Reference Area (A)	Unique Species Area 6 (B)	Common Species (C)	Similarity Index C/(A+B-C)*100
Euphorbia fendleri	Artemisia nova	Gutierrzia sarothrae	5/(12+23-5)*100 = **16.67**
Sphaeralcia coccinea	Artemisia tridentata	Sarcobatus vermiculatus	
Phlox hoodii	Atriplex canescens	Machaerantha canescens	
Plantago patagonica	Atriplex confertifolia	Bromus tectorum	
Opuntia compressa	Ceratoides lanata	Elymus salinus	
Juniperus osteosperma	Chrysothamnus nauseosus		
Pinus edulis	Chrysothamnus viscidilflorus		
	Penstemon palmeri		
	Sysimbrium altissimum		
	Grindelia squarrosa		
	Agropyron smithii		
	Agropyron spicatum		
	Bromus inermis		
	Elymus cinereus		
	Elymus gigantius		
	Hilaria jamesii		
	Oryzopsis hymenoides		
	Sitanion hystrix		

Appendix 3. Similarity comparisons			
Unique Species Reference Area (A)	Unique Species Area 7 (B)	Common Species (C)	Similarity Index C/(A+B-C)*100
Sarcobatus vermiculatus	Artemisia nova	Gutierrzia sarothrae	3/(12+18-3)*100 = **11.11**
Euphorbia fendleri	Artemisia tridentata	Sphaeralcia coccinea	
Sphaeralcia coccinea	Atriplex canescens	Bromus tectorum	
Phlox hoodii	Atriplex confertifolia		
Plantago patagonica	Ceratoides lanata		
Opuntia compressa	Chrysothamnus nauseosus		
Elymus salinus	Chrysothamnus viscidilflorus		
Juniperus osteosperma	Cowania mexicana		
Pinus edulis	Penstemon palmeri		
	Sysimbrium altissimum		
	Agropyron spicatum		
	Elymus cinereus		
	Oryzopsis hymenoides		
	Sitanion hystrix		
	Stipa comata		

Appendix 3. Similarity comparisons			
Unique Species Reference Area (A)	Unique Species Area 11/13/14 (B)	Common Species (C)	Similarity Index C/(A+B-C)*100
Phlox hoodii	Artemisia tridentata	Gutierrzia sarothrae	7/(12+21-7)*100 = **26.92**
Plantago patagonica	Atriplex canescens	Sarcobatus vermiculatus	
Opuntia compressa	Ceratoides lanata	Euphorbia fendleri	
Juniperus osteosperma	Chrysothamnus nauseosus	Sphaeralcia coccinea	
Pinus edulis	Chrysothamnus viscidiflorus	Machaerantha canescens	
	Cowania mexicana	Bromus tectorum	
	Medicago satvia	Elymus salinus	
	Penstemon palmeri		
	Grindelia squarrosa		
	Agropyron cristatum		
	Agropyron spicatum		
	Elymus cinereus		
	Elymus gigantius		
	Oryzopsis hymenoides		

Appendix 3. Similarity comparisons			
Unique Species Reference Area (A)	Unique Species Area 15/17 (B)	Common Species (C)	Similarity Index C/(A+B-C)*100
Euphorbia fendleri	Artemisia nova	Gutierrzia sarothrae	5/(12+16-5)*100 = **21.73**
Sphaeralcia coccinea	Artemisia tridentata	Sarcobatus vermiculatus	
Phlox hoodii	Atriplex canescens	Machaerantha canescens	
Plantago patagonica	Atriplex confertifolia	Bromus tectorum	
Opuntia compressa	Ceratoides lanata	Elymus salinus	
Juniperus osteosperma	Chrysothamnus nauseosus		
Pinus edulis	Agropyron spicatum		
	Elymus cinereus		
	Elymus gigantius		
	Hilaria jamesii		
	Oryzopsis hymenoides		

Appendix 3. Similarity comparisons			
Unique Species Reference Area (A)	Unique Species Area 16 (B)	Common Species (C)	Similarity Index C/(A+B-C)*100
Sarcobatus vermiculatus	Artemisia tridentata	Gutierrzia sarothrae	3/(12+15-3)*100 = **12.50**
Euphorbia fendleri	Atriplex canescens	Machaerantha canescens	
Sphaeralcia coccinea	Atriplex confertifolia	Bromus tectorum	
Phlox hoodii	Ceratoides lanata		
Plantago patagonica	Chrysothamnus nauseosus		
Opuntia compressa	Chrysothamnus viscidilflorus		
Elymus salinus	Medicago sativa		
Juniperus osteosperma	Penstemon palmeri		
Pinus edulis	Agropyron cristatum		
	Agropyron spicatum		
	Elymus cinereus		
	Oryzopsis hymenoides		

Appendix III-1-7

UDOGM Phase III Bond Release Application
Review Comments Letter Dated June 5, 2006

and

Deficiencies for Phase III Bond Release Letter Dated September 29, 2006

September 29, 2006

Jay Marshall, Resident Agent
UtahAmerican Energy, Inc.
P.O. Box 986
Price, Utah 84501

Subject: Deficiencies for Phase III Bond Release, UtahAmerican Energy, Inc., Horse Canyon Mine, C/007/0013, Task ID #2573

Dear Mr. Marshall:

The Division reviewed your application for Phase III bond release and issues remain that must be addressed before a determination can be made that the requirements of the R645 Coal Mining Rules have been met and an approval granted.

Lila Canyon Remote Portals

One item you are aware of is the final reclamation of the Lila Canyon Remote portals. This was the subject of correspondence by the Division to UEI by letter dated August 17, 2006. The application (which was written prior to August 17, 2006) contains wording that is in opposition to the Division's request, (see Secs. II. A. 6 and II. A. 8 of the application) which must be corrected.

Bridge Abutments

UEI asserts that the bridge abutments were left at the County's request (pg. 3 para. 4; pg. 4 para. 3; and pg. 5 para. 4 of the application) in the Phase III bond release application. The Division records indicate that these bridge abutments were left to facilitate mine activity should the Horse Canyon portals be reopened (see letter from from IPA to the Division, dated September 13, 1996, attached).

Mr. Morris Sorensen, Emery County Road Supervisor, recently evaluated the bridge abutments and determined that one abutment serves to stabilize the channel/road embankment, but the other is free standing and does not provide additional stability. The County has requested that non-functional abutment be removed (see letter from Emery County to the Division dated August 31, 2006, attached). In the same letter, the County requests that all fencing along the County road be removed to facilitate road maintenance. Removal of fencing was identified as a requirement of Phase III bond release during the April 20, 2006 inspection and

must be completed prior to bond release.

Removal of Waste from Facilities Pad Area

Another previously identified issue was removal of waste from the facilities pad area. The Division corresponded with Mr. Ryan Thomas, President of CEU, regarding the status of the metal fan portal collar identified in the April 20, 2006 inspection. MRP Appendix X-4 Exhibit D reveals CEU specified that the metal fan housing was to be removed from the site before the transfer of ownership. The fan collar must be removed prior to Phase III bond release.

Deficiencies with the Phase III bond release application are listed below:

R645-301-121.200, The Permittee must correct the public road statements in the application. The application states on page 3 of the submittal that the Horse Canyon road became a public road in 1995 (turned over to Emery County) instead of saying that the road was a public road before SMCRA. The Horse Canyon road is part of the permit area. The Division approved a change in the postmining land use (industrial) for the road, but has not released bond for the road. This bond release application package should must include the road in the acreage requested for bond release and include the road in the public notice. [whw]

R645-301-121.100, The Permittee must update the postmining land use information in Section 3.2 of the MRP. The Permittee should divide the bonded areas into subsections and state what the approved postmining land use is and when the Division approved the postmining land use change. •In addition, the Permittee must show, on maps, and describe in the text, the pre-SMCRA roads associated with the borrow area and why the roads were not reclaimed, specifically the pre-SMCRA roads nears with the borrow pit that were not reclaimed and the 0.02 acres associated with the bridge abutments and if they were included in the postmining land use change for the Horse Canyon Road. [whw]

R645-301-553.100, There are incorrect statements on page 5 of the bond release package, "That since the road is public... the area meets the approximate original contours". The requirements for AOC are a compilation of performance standards, which pertain to backfilling and grading, revegetation, and protection of the hydrologic balance. For the road, a statement describing the condition of road outslopes and road drainage and the use of the road to support the postmining land use would address the issue. •In addition the Permittee should

indicate that that since the 6.5 acre area was not disturbed, the contours are the original contours, rather than suggesting that the AOC requirements do not apply. [whw]

R645-301-542.600, The Permittee must either reclaim all roads not approved for retention under the postmining land use plan or change the postmining land use plan to include their retention. There are several roads or what appear to be roads in the bonded area associated with the borrow pit. The Permittee must either explain why the roads were not reclaimed (document that the roads were never used for mining and reclamation) or reclaim the roads or retain the roads as part of the postmining land use. [whw]

R645-301-121.200, The Permittee should be consistent with the name of the public road that goes through the Horse Canyon Mine. The Permittee refers to the road as the Horse Canyon Mine in the bond release package while in the MRP the Permittee refers to the same road as the Range Creek road. Please correct the inconsistency. [whw]

R645-301-542.200 The Permittee must include or reference the location for the as-built maps and cross sections for the areas that were not part of the Phase II bond release such as the county road and the CEU facilities. [whw]

R645-301-542.320 The Permittee must label and show all surface and subsurface manmade features that will remain at Phase III bond release (i.e. the remaining bridge abutment and reference maps in Appendix X-4 for facilities transferred to CEU.) [whw]

R645-301-542.620, The Permittee must update the MRP and bond release package regarding the bridge abutments. According to documents in the Division's archives, the bridge abutments were left for future expansion during mining and were to be removed after mining (see letter from IPA to the Division dated September 13, 1996). Recent correspondence to the Division from Emery County (letter dated August 31, 2006) requested that the east bridge abutment be removed and the west abutment be left to stabilize the channel/road embankment. Accordingly, the bridge abutment must be removed prior to Phase III bond release.

On page III-3 of the MRP, the Permittee states that the postmining land use for the bridge abutment is wildlife habitat. The Division requests that this statement be changed to indicate that the bridge abutment falls within the county right of way for the Emery County

road and is being left to support the road embankment and as such has an industrial post mining land use. Per the Emery County letter dated August 31, 2006, Emery County is willing to take on the liability of the remaining abutment at the time of bond release. [pwb, whw]

R645-301-880.120, The public notice in Ex. III-1-3 must state that the Phase III bond release will not include the Lila Canyon portals (subject of discussion in August 17, 2006 document 0064, 2006 Outgoing folder) and one bridge abutment. Where bond monies are discussed in the public notice, acknowledgement of monies retained for reclamation of the Lila Canyon portals is requested.

- Only 0.01 acres supporting a bridge abutment will receive bond release, as the east abutment must be removed prior to receiving bond release (per letter dated September 13, 1996 from IPA) and the other will remain (per Emery County request by letter to the Division, dated August 31, 2006). [pwb]

- The legal description in the public notice is missing the SE4 of Section 4. [pwb]

- The list of addressees to receive the notification letter in Exhibit III-1-2 must include the College of Eastern Utah. [pwb]

- Non coal waste such as that photographed and commented upon during the April 20, 2006 inspection (fan portal collar) must be removed before Phase III bond release. (MRP Appendix X-4 Exhibit D reveals that the metal fan housing was specified to be removed from the site by CEU before the transfer of ownership.) *All fencing must be removed from the site, along the Emery County road and around the borrow area and refuse site. Monies should be retained for removing fencing along both sides of the Emery County road through the permit area and around the borrow area. [pwb]

R645-301-830.140 The Permittee must provide detailed reclamation cost estimates for all areas not included in the Phase III bond release. Those areas include but are not limited to the 0.49 acres channel area, the Lila Canyon remote portal area and the bridge abutment area. The amount of bond retained to insure reclamation must be stated in the public notice.

Please respond to these deficiencies by December 29, 2006 or the bond release application will be returned at that time. If you have any questions, we would be happy to answer them. Please call me at (801) 538-5268 or Wayne Western at (801) 538-5263 or Priscilla Burton at (435) 613-1146, Ext. 207.

Sincerely

Pamela Grubaugh-Littig,
Permit Supervisor

PWB/an
Attachments
O:\007013.HOR\FINAL\WG2573\Def2573.doc

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah

Department of Natural Resources

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas & Mining

JOHN R. BAZA
Division Director

June 5, 2006

Jay Marshall, Resident Agent
UtahAmerican Energy, Inc.
P.O. Box 986
Price, Utah 84501

Subject: Phase III Bond Release UtahAmerican Energy, Inc., Horse Canyon Mine, C/007/0013, Task ID #2409, Outgoing File

Dear Mr. Marshall:

The above-referenced amendment has been reviewed. There are deficiencies that must be adequately addressed prior to approval. In order for us to continue to process your application, please respond to these deficiencies by July 7, 2006.

The deficiencies are as follows:

R645-301-762.100 The Permittee must reconstruct the Refuse Pile channel to meet the standard for a 100 yr-24 hr precipitation event prior to receiving Phase III bond release.

R645-301-880.130, The Permittee must include a notarized statement that certifies that all applicable reclamation activities have been accomplished in accordance with the requirements of the R645-Rules.

R645-301-880.120, The Permittee must state in the newspaper advertisement the type of bond, such as surety, letter of credit or collateral and describe the 6.5-acre area and the 0.02-acre area. The Permittee must state in the letters sent to adjoining property owners and government agencies • the correct acreage (the letters state that 51.56 acres are scheduled for bond release instead of 74.26 acres), • that bond release will occur on four subareas and what those subareas are, • the location of the property, • a description of the results achieved during reclamation and • that the recipient can submit objections to a request for a public hearing or informal conference to the Division.

R645-301-121.100, The Permittee must include information in the bond release package that discusses the 6.5-acre area and 0.02 acre area. The Permittee must provide documentation that the 6.5-acre area was

not disturbed in the past ten years or that the areas or subareas meet the requirements for Phase I and Phase II bond release. The Permittee must also provide documentation that the 0.02-acre has an alternative postmining land use.

R645-301-412.100, The Permittee must include detailed information in the bond release package about the postmining land use and how it will be achieved. The Division needs specific information on the 6.5-acre area and the 0.02-acre area. In addition, the Permittee did not include information on the road that was deeded to the County. Even though the transfer took place bond release on the road must take place.

R645-301-542.620, The Permittee must show that the bridge abutments are part of the postmining land use.

R645-301-553.100, The Permittee must include detailed information in the bond release package about how the 6.5-acre area and the 0.02-acre area met the AOC requirements.

R645-301-880.310 and R645-301-880.320, The Permittee must show how they met all of the requirements for Phase I and Phase II bond release on the 6.5 acre area that was not part of the Phase I and Phase II bond release.

R655-301-542.710 and R645-301-551, The Permittee must include a narrative that states how all underground openings including the portals were permanently seal unless they were needed for the postmining land use.

R645-301-542.600, The Permittee must include a narrative of which roads were retained, and which roads were reclaimed and how each effort met the regulatory requirements. For example, the Permittee must state how the main mine road was deeded to the County. Unless the County road was given Phase III bond release then the Permittee must include that area in the Phase III bond application.

R645-301-542.200 The Permittee must include as built maps and cross sections for the areas that were no part of the Phase II bond release.

R645-301-542.320 The Permittee must label and show all surface and subsurface manmade features that they will leave at Phase III bond release.

If you have any questions, please call me at (801) 538-5268 or Wayne Western at (801) 538-5263.

Sincerely,

Pamela Grubaugh-Littig
Permit Supervisor

an
cc: Price Field Office
O:\007013.HOR\FINAL\WG2409\DefLetter2409.doc

Appendix III-1-8

Reclamation Certification

UtahAmerican Energy, Inc.

Horse Canyon Mine
ACT/007/013

Re: Phase III Bond Release Horse Canyon Mine ACT 007/013 ~~007~~ 008/002

I hereby certify to the best of my information and belief all the information contained in this request for bond release is true and correct and that all applicable reclamation activities have been accomplished in accordance with the requirement of the Act, the regulatory program and the approved reclamation plan.

R. Jay Marshall

R. Jay Marshall
Sign Name, Position, Date

Subscribed and sworn to before me this 11 day of Jan, 2006

Notary Public

ROCHELLE WOOD
NOTARY PUBLIC-STATE OF UTAH
90 NORTH 400 EAST PO BOX 544
WELLINGTON, UT 84542
COMM. EXP. 06-16-2010

My Commission Expires: 06-16, 2010
Attest: State of Utah
County of Carbon

P.O. Box 986 Price, Utah 84501 Telephone (435) 637 5032 x 724 Fax (435) 613 0805 email: jmarshall@coalsource.com

Appendix III-1-9

0.01 Acres - Emery County Bridge Abutments
Emery County Roads Department Letter

0171

RECEIVED
SEP 05 2006
DIV. OF OIL, GAS & MINING

EMERY COUNTY
A Great Place to Live and Work

Road Department

August 31, 2006

Pamela Grubaugh-Littig
Utah Division of Oil & Mining
1594 West North Temple, Ste 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801

Incoming
C/007/0013
Copy Priscilla, Wayne W,
Wayne Hall Dan

Dear Ms. Pamela Grubaugh-Littig:

Commissioners Ira Hatch and Gary Kofford, Public Lands Director Ray Petersen and myself (Morris Sorensen, Road Supervisor) met at the Old Horse Canyon Mine Site near East Carbon City, to determine what things if any should be done to close out the reclamation on this property.

We looked at the bridge across the wash first. The bridge is a single lane with two additional abutments down stream from the existing bridge. The two abutments or columns were left there in case the mine was to open again, then they could make it two lanes again. We would like to remove the left abutment or column due to the eroding footer and the possibility of it tipping and blocking the stream channel or tipping into the bridge causing damage to the structure. The right abutment or column is protecting the banks of the channel from erosion and needs to remain.

There is fencing on both sides of the roadway just a few feet of the travel way that needs to be removed to reestablish our borrow pits. There's a drainage problem along both sides of the road causing the run off to wash road material away. Also, run off crossing the bridge is eroding the material from the abutments causing vehicles to jump up vertically more than a foot in some instances. This creates maintenance problems due to the materials having to be hauled from outside sources to replace material washed away with the possibility of it happening several times a year.

We feel these problems need to be addressed before signing a release. Any help your department could give us in making this happen would be appreciated.

Sincerely,

Morris Sorensen

Morris Sorensen,
Road Supervisor

cc

Ira Hatch, County Commissioner
Gary Kofford, County Commissioner
Ray Petersen, Public Lands Director

P.O. Box 889 • 300 North 1st West • Castle Dale, Utah 84513 • Telephone (801) 381-5450 • FAX (801) 381-5239

EMERY COUNTY
A Great Place to Live and Work

Road Department

February 26, 1996

Mr. William W. Engles
Coal Supply Engineer
Intermountain Power Agency
City of Los Angeles
Department of Water and Power
111 North Hope Street, Room 1107
Los Angeles, California 90012

RE: Ownership of the Horse Canyon Bridge

Dear Mr. Engles:

In October 1995, Emery County entered into a Special Warranty Deed and Dedication Agreement with the Intermountain Power Agency in which Emery County assumed the right and title to the Range Creek Road right-of-way through Horse Canyon. It is Emery County's understanding that the right-of-way includes all structures within the legal description of the property. The structures within the right-of-way also include the bridge that spans Horse Canyon Creek within the mine area.

If you have further questions concerning this matter, please feel free to call me at (801) 381-5450.

Sincerely,

Rex Funk
Emery County Road Supervisor

cc: Kent Petersen, Commissioner
Bevan Wilson, Commissioner
Randy Johnson, Commissioner
Emery County Special Service District #1

RECEIVED
MAR 1 - 1996
COAL FUEL SUPPLY

13.96

Telephone (801) 381-5450 • FAX (801) 381-5239