

# WEST RIDGE MINE

007/041

## INCIDENTAL BOUNDARY CHANGE TO THE MINING AND RECLAMATION PLAN

***TO INCLUDE:***

***MINING WITHIN 22.5 ACRES OF  
SITLA STATE LEASE ML-51744***

NOTE TO REVIEWERS:  
THERE IS NO SURFACE DISTURBANCE  
ASSOCIATED WITH THIS I.B.C.

ALL MINING WILL BE DONE UNDER 3000'  
OF COVER

SUBMITTED: JUNE 28, 2010

See *Incoming* For additional information  
File in: *Confidential*  
 Confidential  
 Shelf  
 Expandable  
Date Folder *06/28/10 CID070041*

COVER LETTER.....C1/C2 FORMS



**WEST RIDGE  
RESOURCES, INC.**

**COPY**

P.O. Box 910, East Carbon, Utah 84520  
Telephone (435) 888-4000 Fax (435) 888-4002

Utah Division of Oil, Gas & Mining  
Utah Coal Program  
1594 West North Temple, Suite 1210  
P.O.Box 145801  
Salt Lake City, UT 84114-5801

June 28, 2010

See *Summary* & *Confidential* For additional information  
File in:  
 Confidential  
 Shelf  
 Expandable  
Date Folder *062810 0070041*

Attn: Daron Haddock  
Permit Supervisor

Re: West Ridge Mine C/007/041  
Incidental Boundary Change  
State (SITLA) Coal Lease ML-51744

Dear Mr. Haddock:

Enclosed are six (6 ea.) copies of an Incidental Boundary Change (IBC) to the West Ridge MRP. This IBC is to allow mining within a small area of the newly-acquired State (SITLA) Coal Lease ML-51744. As a result of the IBC the permit area expands from 6718.03 acres to 6740.53 acres. As you review this submittal please note the following:

- 1) The IBC increases the permit area by 22.5 acres, which is less than 1/3 of 1% of the existing permit area.
- 2) The actual area of the IBC to be undermined is less than 13 acres.
- 3) All mining in this IBC will be under 3000' of cover.
- 4) There will be no surface disturbance associated with mining of the IBC.
- 5) The IBC area is included within the existing CHIA
- 6) This IBC has been surveyed for raptors with negative finding.
- 7) The IBC has been surveyed for archeology with negative findings.
- 8) SITLA has approved the mine plan for the IBC (i.e., State lease ML-51744).
- 9) There are no issues involving soils, biology, T & E species, land use, archeology, land

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**JUN 28 2010**  
**DIV. OF OIL, GAS & MINING**

**COPY**

Daron Haddock  
June 28, 2010  
page 2

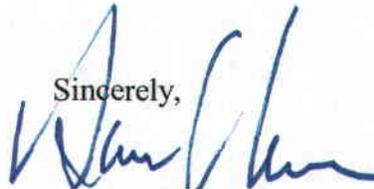
use or hydrology associated with the IBC.

10) The longwall panel that nips the corners of ML-51744 (IBC) will be the last panel to be mined downdip on this side of the mains. Therefore, approval of the IBC will be the last permitting action required for this area of the mine.

A map showing the location of the IBC relative to the existing permit area is attached for your review. According to our latest mining projections, the tailgate development entries for longwall panel 17 will cross into the IBC area in October, 2010. Therefore, we would appreciate an expedited review of this application.

If you have questions or comments please contact me at (435) 888-4017.

Sincerely,



David Shaver  
Resident Agent

**COPY**

## APPLICATION FOR PERMIT PROCESSING

<input type="checkbox"/> Permit Change	<input type="checkbox"/> New Permit	<input type="checkbox"/> Renewal	<input type="checkbox"/> Transfer	<input type="checkbox"/> Exploration	<input type="checkbox"/> Bond Release	Permit Number: <b>C/007/041</b>
of Proposal: <b>Incidental Boundary Change to allow mining within 22.5 acres of SITLA lease ML-51744</b>						Mine: <b>WEST RIDGE MINE</b>
						Permittee: <b>WEST RIDGE Resources, Inc.</b>

Description, include reason for application and timing required to implement:

**Instructions:** If you answer yes to any of the first 8 questions (gray), submit the application to the Salt Lake Office. Otherwise, you may submit it to your reclamation specialist.

<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	1. Change in the size of the Permit Area? <b>22.5</b> acres Disturbed Area? _____ acres <input checked="" type="checkbox"/> increase <input type="checkbox"/> decrease.
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	2. Is the application submitted as a result of a Division Order?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	3. Does application include operations outside a previously identified Cumulative Hydrologic Impact Area?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	4. Does application include operations in hydrologic basins other than as currently approved?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	5. Does application result from cancellation, reduction or increase of insurance or reclamation bond?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	6. Does the application require or include public notice/publication?
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	7. Does the application require or include ownership, control, right-of-entry, or compliance information?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	8. Is proposed activity within 100 feet of a public road or cemetery or 300 feet of an occupied dwelling?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	9. Is the application submitted as a result of a Violation?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	10. Is the application submitted as a result of other laws or regulations or policies? Explain:
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	11. Does the application affect the surface landowner or change the post mining land use?
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	12. Does the application require or include underground design or mine sequence and timing?
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	13. Does the application require or include collection and reporting of any baseline information?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	14. Could the application have any effect on wildlife or vegetation outside the current disturbed area?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	15. Does application require or include soil removal, storage or placement?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	16. Does the application require or include vegetation monitoring, removal or revegetation activities?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	17. Does the application require or include construction, modification, or removal of surface facilities?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	18. Does the application require or include water monitoring, sediment or drainage control measures?
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	19. Does the application require or include certified designs, maps, or calculations?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	20. Does the application require or include subsidence control or monitoring?
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	21. Have reclamation costs for bonding been provided for?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	22. Does application involve a perennial stream, a stream buffer zone or discharges to a stream?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	23. Does the application affect permits issued by other agencies or permits issued to other entities?

Attach **3** complete copies of the application.

I hereby certify that I am a responsible official of the applicant and that the information contained in this application is true and correct to the best of my information and belief in all respects with the laws of Utah in reference to commitments, undertakings, and obligations, herein. (R645-301-123)

Signed: [Signature] Name - Position - Date agent 6/28/2010

Subscribed and sworn to before me this 22<sup>nd</sup> day of June, 2010.

My Commission Expires: 03-27-13  
 Notary Public  
 STATE OF Utah  
 COUNTY OF Carbon



**Notary Public**  
**LINDA KERNS**  
 Commission #570211  
 My Commission Expires  
 March 27, 2013  
 State of Utah

Received by Oil, Gas & Mining

**RECEIVED**

JUN 28 2010

**DIV. OF OIL, GAS & MINING**

ASSIGNED TRACKING NUMBER

# Application for Permit Processing Detailed Schedule of Changes to the MRP

# COPY

Title of Application:  
Incidental Boundary Change to allow mining within 22.5 acres  
of SITLA lease ML-51744

Permit Number: C/007/041

Mine: WEST RIDGE MINE

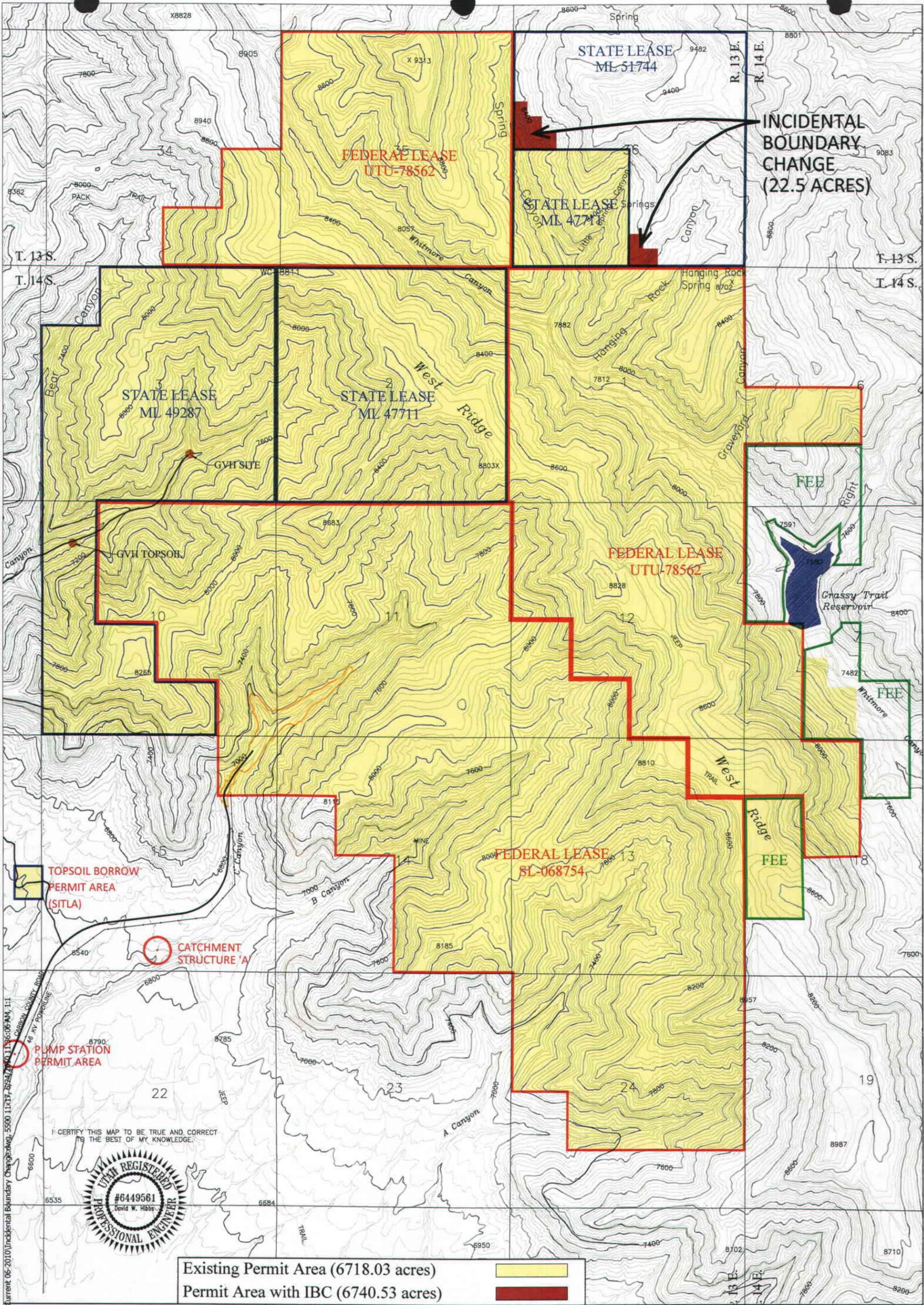
Permittee: WEST RIDGE RESOURCES

Provide a detailed listing of all changes to the mining and reclamation plan which will be required as a result of this proposed permit application. Individually list all maps and drawings which are to be added, replaced, or removed from the plan. Include changes of the table of contents, section of the plan, pages, or other information as needed to specifically locate, identify and revise the existing mining and reclamation plan. Include page, section and drawing numbers as part of the description.

			DESCRIPTION OF MAP, TEXT, OR MATERIALS TO BE CHANGED
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Chapter 1 text: all
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Chapter 1, Appendix 1-2 Violation info
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Chapter 1, Appendix 1-4 E
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	SITLA coal lease ML-51744
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Chapter 1, Appendix 1-7 Ownership + Control
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Maps: 1-0, 1-1, 2-1, 3-1, 3-4A, 3-4B,
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	3-4C, 3-4D, 4-1, 4-2, 5-2
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	5-3, 5-4A, 5-4B, 5-7, 6-1
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	6-2, 6-3, 7-3, 7-5, 7-6, 7-7
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	To Confidential Binder:
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Archeology Report (Seneca Phoenix)
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Raptor Survey (E.I.S.)
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Chapter 5 text: pgs 5-iv, 5-5, 5-7
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Appendix 5-10, SITLA Mine Plan Approval
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	

Any other specific or special instructions required for insertion of this proposal into the Mining and Reclamation Plan?

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Existing Permit Area (6718.03 acres)   
 Permit Area with IBC (6740.53 acres)

# WEST RIDGE MINE

## Incidental Boundary Change

- LEGEND:**
- Federal Lease
  - State Lease
  - Penta Creek Fee
  - Surface Facility Area
  - GVH Site
  - Outcrop



SCALE: 1"=2000'

DATE: 6-23-10

Current Drawings\MRP Maps\West Ridge Mine\Current 06-2010\Incidental Boundary Change.dwg, 5580 11x17, 6/24/10 11:36:06 AM, 1:1



I CERTIFY THIS MAP TO BE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.

CHAPTER 1 TEXT.....REPLACEMENT PAGES

**~WEST RIDGE MINE - PERMIT APPLICATION PACKAGE~**

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R645-301-100 PERMIT APPLICATION REQUIREMENTS: GENERAL  
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<b>APPENDIX NUMBER</b>	<b>DESCRIPTION</b>
APPENDIX 1-1	Certifications, Verifications, Publications Attachment 1-1 Certificate of Liability Insurance Attachment 1-2 Newspaper Advertisement Attachment 1-3 Proof of Publication Attachment 1-4 Filing Fee Verification Attachment 1-5 Verification Statement
APPENDIX 1-2	Violation Information
APPENDIX 1-3	Reference List
APPENDIX 1-4	Proof of Lease Assignment
APPENDIX 1-4A	Federal Lease SL-068754, U-01215
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APPENDIX 1-4C	State Lease ML-47711
APPENDIX 1-4D	State Lease ML-49287
APPENDIX 1-4E	State Lease ML-51744
APPENDIX 1-4F	Penta Creek Fee Lease
APPENDIX 1-5	Current and Previous Coal Mining Permits
APPENDIX 1-6	Consultation and Coordination
APPENDIX 1-7	Ownership and Control
APPENDIX 1-8	Letter from Carbon County
APPENDIX 1-9	*****Deleted*****
APPENDIX 1-10	SITLA - Special Use Lease (Topsoil Borrow Area)
APPENDIX 1-11	Material Deposit Special Use Lease Agreement
APPENDIX 1-12	Waterline/Pump House Right of Way
APPENDIX 1-13	Correspondence Regarding Security Gate
APPENDIX 1-14	*****Moved*****
APPENDIX 1-15	Legal Description of Grassy Trail Reservoir

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**R645-301-100 CHAPTER 1**

<b>MAP NUMBER</b>	<b>DESCRIPTION</b>	<b>SCALE</b>
<b>MAP 1-0</b>	<b>Permit Map</b>	<b>1" = 2000'</b>
<b>MAP 1-1</b>	<b>Location Map</b>	<b>1" = 2000'</b>

**R645-301-100 PERMIT APPLICATION REQUIREMENTS: GENERAL CONTENTS**

**SCOPE**

The objective of this chapter is to set forth all relevant information concerning ownership and control of WEST RIDGE Resources, Inc., the ownership and control of the property to be affected by mining activities and all other information and documentation required under Part UMC.

**R645-301-112 IDENTIFICATION OF INTERESTS**

112.100 WEST RIDGE Resources, Inc. is a corporation organized and existing under the laws of Utah and qualified to do business in Utah.

112.200 The applicant, WEST RIDGE Resources, Inc. will also be the operator.

WEST RIDGE Resources, Inc.  
P.O. Box 910  
East Carbon, Utah 84520  
(435) 888-4000  
David Hibbs - President

Employer Identification Number: 87-0585129

112.220 The resident agent of the applicant, WEST RIDGE Resources, Inc., is:

Dave Shaver  
WEST RIDGE Resources, Inc.  
P.O. Box 910  
East Carbon, Utah 84520

(435) 888-4000

112.230 WEST RIDGE Resources, Inc. will pay the abandoned mine land reclamation fee.

112.300      **Ownership and Control - See Appendix 1-7**

WEST RIDGE Resources, Inc. is the permittee and operator of the WEST RIDGE Mine. WEST RIDGE Resources, Inc. is a wholly owned subsidiary of ANDALEX Resources, Inc.. WEST RIDGE Resources, Inc. is a Utah corporation licensed to do business in the State of Utah. WEST RIDGE Resources, Inc. is the operating agent for the WEST RIDGE PROJECT. ANDALEX Resources, Inc. and the Intermountain Power Agency (I.P.A.) are tenants in common (co-owners) of the WEST RIDGE PROJECT, each having an undivided 50% ownership interest in the PROJECT. ANDALEX Resources, Inc. is a Delaware corporation and Intermountain Power Agency is a political subdivision of the State of Utah. All leases associated with the WEST RIDGE Mine are owned jointly (undivided 50% ownership) by ANDALEX Resources, Inc. and Intermountain Power Agency. ANDALEX Resources, Inc, is a wholly owned subsidiary of UtahAmerican Energy Inc., which in turn is a wholly owned subsidiary of Murray Energy Corporation.

112.340      See Appendix 1-5

112.350      See Appendix 1-5

112.410      See Appendix 1-5

112.420      See Appendix 1-7

112.500      Surface Owners:

Bureau of Land Management  
Utah State Office  
136 East South Temple  
Salt Lake City, Utah 84111

Glen Wells  
700 West U.S. Hwy 6  
Price, Utah 84501

Penta Creek, LLC  
140 S. Newton  
Albert Lea, MN 56007

Dave Hinkins  
155 West 100 South  
Orangeville, Utah 84537

School and Institutional Trust  
Lands Administration  
355 West North Temple, Suite 400  
Salt Lake City, Utah 84180-1204

Matt Rauhala  
1236 East Main  
Price, Utah 84501

Subsurface Owners:

Bureau of Land Management  
Utah State Office  
136 East South Temple  
Salt Lake City, Utah 84111

Penta Creek, LLC  
140 S. Newton  
Albert Lea, MN 56007

School and Institutional Trust  
Lands Administration  
355 West North Temple, Suite 400  
Salt Lake City, Utah 84180-1204

WEST RIDGE Resources, Inc. is the holder of record for federal lease SL-068754 and UTU 78562 (see Table 1-1), state lease ML 47711 and ML 49287 (see Table 1-2A) and the Penta Creek Fee lease (see Table 1-2B).

Proof of lease assignment for all leases (Federal leases SL-068754 and UTU 78562, and State leases ML 47711 and ML 49287), and the Penta Creek fee lease can be found in Appendix 1-4.

112.600 Contiguous surface owners:

Bureau of Land Management  
Utah State Office  
136 East South Temple  
Salt Lake City, Utah 84111

Dave Hinkins  
155 West 100 South  
Orangeville, Utah 84537  
Glen Wells  
700 West U.S. Hwy 6  
Price, Utah 84501

Penta Creek, LLC  
140 S. Newton  
Albert Lea, MN 56007

School and Institutional Trust  
Lands Administration  
355 West North Temple, Suite 400  
Salt Lake City, Utah 84180-1204

Contiguous subsurface owners:

School and Institutional Trust  
Lands Administration  
355 West North Temple, Suite 400  
Salt Lake City, Utah 84180-1204

Penta Creek, LLC  
140 S. Newton  
Albert Lea, MN 56007

Dave Hinkins  
155 West 100 South  
Orangeville, Utah 84537

Bureau of Land Management  
Utah State Office  
136 East South Temple  
Salt Lake City, Utah 84111

- 112.700 See Appendix 1-5
- 112.800 There are no pending interests or bids existing on lands contiguous to the present leased area.
- 112.900 After WEST RIDGE Resources, Inc. is notified that the application is approved, but before the permit is issued, WEST RIDGE Resources, Inc. will update, correct or indicate that no change has occurred in the information previously submitted under R645-301-112.100 through R645-301-112.800.

**R645-301-113 VIOLATION INFORMATION**

- 113.100 The applicant or any subsidiary, affiliate or persons controlled by or under common control with the applicant has not had a federal or state permit to conduct coal mining and reclamation operations suspended or revoked in the five years preceding the date of submission of the application.
- 113.120 The applicant etc. has not forfeited any performance bond or similar security
- 113.200 Not applicable
- 113.300 A listing of violations received by the applicant in connection with any coal mining and reclamation operation during the three year period preceding the application date is provided in Appendix 1-2. MSHA numbers for the operations can be found in Appendix 1-5. There have been no unabated violations or cessation orders issued to any affiliated companies during the previous three years.
- 113.400 After WEST RIDGE Resources, Inc. is notified that the application is approved, but before the permit is issued, WEST RIDGE Resources, Inc. will update, correct or indicate that no change has occurred in the information previously submitted under R645-301-113.

**R645-301-114 RIGHT OF ENTRY INFORMATION**

114.100 WEST RIDGE Resources, Inc., currently holds 4,899.92 acres of federal coal (2,650.67 acres leased under SL-068754 and 2249.25 acres leased under UTU 78562) in the Book Cliffs coal field (refer to Maps 1-0 and 5-3). A complete legal description of all Federal leases held by WEST RIDGE is found in Table 1-1. WEST RIDGE currently holds 2162.34 acres of state coal (801.24 acres under ML 47711, 881.10 under ML 49287, and 480 acres under ML 51744). A complete legal description of all State leases held by WEST RIDGE is found in Table 1-2. WEST RIDGE also holds a 382.08 acre lease on contiguous private (fee) coal lands located along the eastern side of the mineable reserve. A complete legal description of this fee lease is found in Table 1-3. None of these leases are the subject of any pending litigation. Proof of lease assignment for all leases can be found in Appendix 1-4.

WEST RIDGE Resources, Inc. bases its legal right to enter and conduct mining activities in the permit area pursuant to the language contained in the Federal Coal Lease, Part I Lease Rights Granted which reads as follows:

*"That the lessor, in consideration of the rents and royalties to be paid and the covenants to be observed as hereinafter set forth, does hereby grant and lease to the*

*lessee the exclusive right and privilege to mine and dispose of all the coal in, upon, or under the following described tracts of land, situated in the State of Utah... together with the right to construct all such works, buildings, plants, structures and appliances as may be necessary and convenient for the mining and preparation of the coal for market, the manufacture of coke or other products of coal, the housing and welfare of employees, and subject to the conditions herein provided, to use so much of the surface as may reasonably be required in the exercise of the rights and privileges herein granted."*

In addition to the coal leases, WEST RIDGE also holds several surface use permits as part of the operation, including:

1) SITLA Special Use Lease Agreement No. 1163. The substitute topsoil borrow area, which is also included within the permit area, is located on lands administered by the Utah School and Institutional Trust Lands Administration (SITLA). This area is located within the SE1/4 of section 16, T 14 S, R 13 E. SITLA has issued a long term special use permit to WEST RIDGE Resources, Inc. which provides full assurance that the topsoil resource in this area will be available for (and, indeed dedicated to) final reclamation of the West Ridge minesite if needed. This area is not contiguous with the main coal leasehold. (See Appendix 1-10 for details)

2) BLM Right-of-Way UTU-77120 This right-of-way authorizes the installation and operation of a pumping station used to facilitate the delivery of culinary water to the West Ridge Mine. This area is not contiguous with the main coal leasehold. (See Appendix 1-12 for details)

3) BLM Right-of-Way 87110 This right-of way authorizes the installation of a catchment structure in the C Canyon drainage below the mine. This catchment is designed to provide containment of unanticipated coal-fines accumulations from the mine discharge water. This catchment structure comprises 0.23 acres (Refer to Appendix 5-15 for details).

The permit area consists of the following areas:

- 1) all of federal coal leases SL-068754-U-01215 (2,650.67 acres)
- 2) all of federal coal lease UTU 78562 (2,249.25 acres),
- 3) all of state coal leases ML-47711 (801.24 acres)
- 4) all of state coal lease ML-49287 (881.10 acres)
- 5) a small portion of state coal lease ML-51744 (22.5 acres)
- 6) most of the Penta Creek fee coal lease (124.92 acres)
- 7) SITLA surface lease 1163, for topsoil borrow area (9.6 acres).
- 8) BLM right-of-way UTU-77120, for pumping station (0.23 acres)
- 9) BLM right-of-way UTU-87110, for catchment structures (0.23 acres)
- 10) Carbon County authorization, road security gate (0.79 acres). See Appendix 1-13.

The total permit area is 6740.53 acres. Refer to Map 1-1 for the permit area location. Refer to Table 1-4 for the legal description of the permit area by composite leasehold, and Table 1-5 for the legal description of the permit area in total area. Table 1-6 describes the surface ownership of the permit area.

Disturbed area within the permit area consists of the following;

1)	Minesite surface facilities	29.82 acres
2)	Pumping station	0.23 acres
3)	GVH installation	0.24 acres
4)	GVH topsoil storage	0.1 acres
5)	Catchment structure	<u>0.23 acres</u>
	TOTAL	30.62 acres

See Table 1-7 for complete legal description of disturbed areas.

114.200

Not applicable, the fee lease mineral estate is not severed from the surface estate.

**TABLE 1-1  
FEDERAL LEASE and R.O.W. PROPERTIES**

<u>PARCEL</u>	<u>ACREAGE</u>	<u>LEGAL DESCRIPTION</u>
<u>1) FEDERAL COAL LEASE SL-068754</u> (SL-068754-U-01215)	2,650.67	T 14 S, R 13 E  Section 10: NE, E2NW, N2SE, SESE  Section 11: All  Section 12: S2SW, NWSW  Section 13: S2, NW, S2NE, NWNE  Section 14: E2, N2NW, SENW  Section 15: NENE  Section 24: N2, N2SE, NESW
<u>2) FEDERAL COAL LEASE UTU-78562</u>	2,249.25	T 13 S, R13 E  Section 34: NESE, S2SE  Section 35: All  T 14 S, R 13 E  Section 1: All  Section 12: Lots 1 thru 4, S2N2, NESW, SE  Section 13: NENE  T 14 S, R 14 E  Section 6: Lot 6, NESW  Section 7: Lots 3 and 4  Section 18: Lot 1, E2NW
<u>3) PUMPING STATION</u> (BLM R.O.W. UTU-7712)	0.23	T 14 S, R 13 E  Section 21: NENE (0.23 acres thereof)

4) CATCHMENT STRUCTURE  
(BLM R.O.W. UTU-87110)

0.23

T 14 S, R 13 E

Section 15:      SESW (0.23 acres therein)

TOTAL FEDERAL

4900.38

**TABLE 1-2**  
**STATE (SITLA) LEASE and SPECIAL USE PROPERTIES**

<u>PARCEL</u>	<u>ACREAGE</u>	<u>LEGAL DESCRIPTION</u>
<u>1) STATE LEASE ML 47711</u>	801.24	T 14 S, R 13 E  Section 2: Lots 1 thru 4, S2N2, S2 (i.e. All)  T 13 S, R 13 E  Section 36: SW
<u>2) STATE COAL LEASE ML 49287</u>	881.10	T 14 S, R 13 E  Section 3: Lots 1, 2, 3, S2N2, S2  Section 10: W2NW, SW, SWSE
<u>3) STATE COAL LEASE ML 51744</u>	480	T 13 S, R 13 E  Section 36: N2, SE
<u>4) STATE SURFACE LEASE SPECIAL USE PERMIT (Agreement #1163)</u>	9.6	T 14 S, R 13  Section. 16: E2NESE (9.6 acres thereof, containing substitute topsil area)
<b><u>TOTAL STATE</u></b>	<b><u>2171.94</u></b>	



**TABLE 1-4  
LEGAL DESCRIPTION OF PERMIT AREA  
(BY LEASEHOLD)**

<u>PARCEL</u>	<u>ACREAGE</u>	<u>LEGAL DESCRIPTION</u>
<u>1) FEDERAL LEASE SL-068754</u> (SL-068754-U-01215)	2,650.67	T 14 S, R 13 E  Section 10: NE, E2NW, N2SE, SESE Section 11: All Section 12: S2SW, NWSW Section 13: S2, NW, S2NE, NWNE Section 14: E2, N2NW, SENW Section 15: NENE Section 24: N2, N2SE, NESW
<u>2) FEDERAL LEASE UTU-78562</u>	2249.25	T 13 S, R13 E  Section 34: NESE, S2SE Section 35: All  T 14 S, R 13 E  Section 1: All Section 12: Lots 1 thru 4, S2N2, NESW, SE Section 13: NENE  T 14 S, R 14 E  Section 6: Lot 6, NESW Section 7: Lots 3 and 4 Section 18: Lot 1, E2NW
<u>3) STATE LEASE ML 47711</u>	801.24	T 14 S, R 13 E  Section 2: Lots 1 thru 4, S2N2, S2  T 13 S, R 13 E  Section 36: SW

**TABLE 1-4 (continued)**

<u>4) STATE LEASE ML 49287</u>	881.10	T 14 S, R 13 E	
		Section 3:	Lots 1, 2 and 3, S2N2, S2
		Section 10:	W2NW, SW, SWSE
<u>5) STATE LEASE ML 51744</u>	22.5	T 13 S, R 13 E	
		Section 36:	SWSWNW, SWNWSWNW, SWSESWNW, S2SWSWSE, NWSWSWSE
<u>6) PENTA CREEK FEE LEASE</u>	124.92	T 14 S, R 14 E	
		Section 7*:	SESW, SWNESW
		Section 18:	Lots 2 and 3
<u>7) PUMPING STATION</u> (BLM R.O.W. UTU-7712)	0.23	T 14 S, R 13 E	
		Section 21	NESENE (0.23 acres thereof, containing pumping station)
<u>8) TOPSOIL SALVAGE AREA</u> (SITLA special use agreement #1163)	9.6	T 14 S, R 13 E	
		Section 16:	E2NESE (9.6 acres thereof, containing substitute topsoil area)
<u>9) CATCHMENT STRUCTURE</u> (BLM R.O.W . UTU-87110)	0.23	T 14 S, R 13 E	
		Section 15:	SESW (0.23 acres thereof, containing catchment structure)
<u>10) SECURITY GATE</u> (Carbon County authorization)	0.79	T 14 S, R 13 E	
		Section 15:	NWSENE (0.79 acres thereof, containing security gate)
<b><u>TOTAL PERMIT AREA</u></b>	<b><u>6740.53</u></b>		

\*Less and excepting from the portion of the above legal subdivisions in Section 7, those lands under and around Grassy Trail Dam and Reservoir owned by East Carbon City and Sunnyside City, such lands being more accurately described in Appendix 1-15.

**TABLE 1-5  
LEGAL DESCRIPTION OF PERMIT AREA  
(TOTAL AREA)**

T13S, R13E	Section 34	NESE, S2SE
	Section 35	All
	Section 36	SW, SWSWNW, SWNWSWNW, SWSESWNW, S2SWSWSE, NWSWSWSE
T14S, R13E	Section 1	All
	Section 2	All
	Section 3	Lots 1, 2 and 3, S2N2, S2
	Section 10	All
	Section 11	All
	Section 12	All
	Section 13	All
	Section 14	E2, N2NW, SENW
	Section 15	NENE, NWSENE (part thereof, containing security gate) SESW (part thereof, containing catchment structure A)
	Section 16	E2NESE (part thereof, containing substitute topsoil area)
	Section 21	NESENE (part thereof, containing pumping station)
Section 24	N2, N2SE, NESW	
T14S, R14E	Section 6	Lot 6, NESW
	Section 7	Lots 3 and 4, SESW, SWNESW
	Section 18	Lots 1, 2 and 3, E2NW

**TOTAL PERMIT AREA = 6740.53 acres.**

**TABLE 1-6  
SURFACE OWNERSHIP OF PERMIT AREA**

T(S)/R(E)	Section	BLM	Penta Creek	Hinkins	Wells	Rauhala	SITLA	Total
13/13	34	-	-	-	120	-	-	120.00
13/13	35	40	-	448.91	151.09	-	-	640.00
13/13	36	-	182.25	-	-	-	-	182.25
			-	-	-	-	-	
14/13	1	283.75	328.68	-	-	39.92	-	652.35
14/13	2	-	641.24	-	-	-	-	641.24
14/13	3	-	-	-	80.66	-	520.44	601.10
14/13	10	360	-	-	-	-	280	640.00
14/13	11	650.87	-	-	-	-	-	650.87
14/13	12	-	648.96	-	-	-	-	648.96
14/13	13	640	-	-	-	-	-	640.00
14/13	14	440	-	-	-	-	-	440.00
14/13	15	41.02	-	-	-	-	-	41.02
14/13	16	-	-	-	-	-	9.6	9.60
14/13	21	0.23	-	-	-	-	-	0.23
14/13	24	440	-	-	-	-	-	440.00
14/14	6	76.41	-	-	-	-	-	76.41
14/14	7	74.08	50.00	-	-	-	-	124.08
14/14	18	117.25	74.92	-	-	-	-	192.17
			-	-	-	-	-	
		3163.61	1926.05	448.91	351.75	39.92	810.04	6740.53

**TABLE 1-7  
DISTURBED AREA WITHIN PERMIT AREA**

1) Minesite surface facilities: portions of the following, totaling 29.82 acres (all BLM)

T14S, R13E	Section 10	SESESE NESESE
T14S, R13E	Section 11	SWNESW NWSESW NESWSW NWSWSW SWSWSW SESWSW
T14S, R13E	Section 15	NENENE NWNENE SWNENE SENENE NWSENE

2) Pumphouse: portion thereof of the following, containing 0.23 acres (all BLM)

T14S, R13E	Section 21	NESENE
------------	------------	--------

3) Gob gas vent hole (GVH) installation: portion thereof of the following, containing 0.24 acres (all SITLA)

T14S, R13E	Section 3	NESWSE
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3) Gob gas vent hole (GVH) topsoil pile: portion thereof of the following, containing 0.1 acres (all SITLA)

T14S, R13E	Section 10	SENWNW
------------	------------	--------

4) Catchment Structure: portion thereof, containing 0.12 acres (all BLM)

T 14 S, R 13 E	Section 15:	SESW
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**TOTAL DISTURBED AREA = 30.51 acres**

**R645-301-115 STATUS OF UNSUITABILITY CLAIMS**

115.100 The proposed permit area is not within an area designated as unsuitable for mining. WEST RIDGE Resources, Inc. is not aware of any petitions currently in progress to designate the area as unsuitable for coal mining and reclamation activities.

The area in which the proposed facility will be located has been evaluated within area management plans. It has not been found unsuitable for mining activities under any categories of examination.

115.200 Not applicable.

115.300 WEST RIDGE Resources, Inc. will not be conducting mining operations within 100 feet of an occupied dwelling. WEST RIDGE Resources, Inc. has received permission from Carbon County to construct facilities and operate coal mining activities within 100 feet of a public road. Refer to the letter from Carbon County in Appendix 1-8.

**R645-301-116 PERMIT TERM**

116.100 The anticipated starting and termination dates of the coal mining and reclamation operation are as follows:

	<u>Begin</u>	<u>Complete</u>
Construction of Mining Pad, Mining Support Structures, and Portals	Apr. 1999	Dec. 1999
Begin Mining	Jan. 2000	
Terminate Mining		Dec. 2017*
Remove Facilities	Jan. 2018*	June 2018*
Regrade Area	July 2018*	Sept. 2018*
Revegetate Site	Oct. 2018*	Nov. 2018*

\*This assumes mine life extended through acquisition of adjacent state and federal coal reserves.

116.200 The initial permit application will be for a five year term with successive five year permit renewals.

**R645-301-117      INSURANCE, PROOF OF PUBLICATION AND FACILITIES OR STRUCTURES USED IN COMMON**

117.100      The Certificate of Liability Insurance is included as Attachment 1-1 in Appendix 1-1.

117.200      A copy of the newspaper advertisement of the application for a permit and proof of publication are included as Attachment 1-2 and 1-3 respectively, in Appendix 1-1. A copy of the newspaper advertisement for the Whitmore lease revision is included as Attachment 1-3 in Appendix 1-1.

117.300      Not applicable.

**R645-301-118      FILING FEE**

Verification of filing fee payment is included as Attachment 1-4 in Appendix 1-1.

**R645-301-123      NOTARIZED STATEMENT**

A notarized statement attesting to the accuracy of the information submitted can be referenced as Attachment 1-5 in Appendix 1-1.

**R645-301-130      REPORTING OF TECHNICAL DATA**

Technical reports prepared by consultants specifically for WEST RIDGE Resources, Inc. are typically presented in an appendix format and, in general, provide the name and address of the person or company (consultant) preparing the report, the name of the report, the date of collection and analysis of the data, and descriptions of the methodology used to collect and analyze the data. The body of the report usually will provide the date the actual field work was conducted and a description of the methodology used to collect and analyze the data. The format of each report may vary depending on the contents of the report and organization preparing it.

For laboratory analyses, such as Appendix 7-2 and 7-3, the company performing the analyses as well as the date of the analyses, is presented on the laboratory report rather than the cover page.

A list of consultants and their appended reports is contained in Appendix 1-6, Consultation and Coordination. Sources used in the preparation of the permit application are referenced in Appendix 1-3. References in all chapters are keyed to this main reference list.

Mining and exploration activities had been conducted in the currently proposed disturbed area prior to August 3, 1977. A road existed into C Canyon in 1952 when drill hole B-6 was drilled in the right fork. A road was also constructed up the left fork of C Canyon to a drill hole site during the same year. In addition to the drill holes, the coal outcrop in the left fork of C Canyon was exposed for sampling purposes. A small pad was built at the outcrop location and it was left in place as were the roads.

In 1986, another drill hole, 86-2, was drilled west of the first drill hole in the right fork. A minor amount of road work was done in conjunction with this second drill hole. Kaiser Coal Company obtained permission from the BLM to grade the existing road and make it passable for the drill rig. The drill hole site was reclaimed but the road, a public road, was left in place.

Through use of aerial photography and site evaluations, it is possible to document previous mining related disturbances in C Canyon. Refer to Map 5-1 for delineation of the disturbance prior to August 3, 1977.

The total of all the previously disturbed areas within the minesite disturbed area is estimated to be as follows:

roads in right and left forks	=	1.27 acres
road culvert	=	.05 acres
water monitoring well	=	.05 acres
material storage pad	=	.05 acres
		1.62 acres

WEST RIDGE Resources, Inc. is proposing to utilize the entire previously disturbed area in their current proposal and to reclaim it upon cessation of mining operations.

In the 1950's a road was constructed in the Right Fork of Bear Canyon to access an exploratory drillhole site. This road now provides access to the site of the Bear Canyon GVH installation. (Refer to Appendix 5-14 for a detailed description of the Bear Canyon GVH facility)

**ATTACHMENT 1-5  
VERIFICATION STATEMENT**

I hereby certify that I am a responsible official (Resident Agent) of the applicant (ANDALEX and IPA for WEST RIDGE Resources, Inc.) and that the information contained in this application is true and correct to the best of my information and belief in all respects with the laws of Utah in reference to commitments, undertakings, and obligations, herein

\_\_\_\_\_  
David Shaver, Resident Agent

**Signed - Name - Position - Date**

Subscribed and sworn to before me this\_\_ day of\_\_\_\_\_, 20\_\_

\_\_\_\_\_  
**Notary Public**

My commission Expires: \_\_\_\_\_, 20\_\_ )

Attest: STATE OF \_\_\_\_\_ ) ss:

COUNTY OF \_\_\_\_\_ )

APPENDIX 1-2....VIOLATION INFORMATION

REPLACE ENTIRE APPENDIX

**APPENDIX 1-2**

**VIOLATION INFORMATION**

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## **VIOLATION INFORMATION**

Information updated to April 29, 2010

<b>Name of Operation</b>	<b>Identifying number for operation</b>	<b>Federal or State Permit Number</b>	<b>MSHA ID Number</b>
Centennial		007/019	42-01750 42-01474 42-02028 42-01864

Date issued	Violation Number	Name of Issuing Agency	Person Issued To	Permit Number	Brief Description of Violation	Status (Abated, Term. etc.)	Abatement Action	Appeal Y or N
9/27/2006	10000	DOGM			Failure to renew	9/29/2006	terminated	N
10/6/2006	10002	DOGM			Failure to submit fan plan	12/4/2006	terminated	N
2/7/2007	10003	DOGM			Non coal Waste	2/12/2007	terminated	N
7/6/2007	10007	DOGM			Vehicle in ditch	7/06/07	terminated	N
8/27/2007	10008	DOGM			vehicle in ditch	8/28/2007	terminated	N
8/27/2007	10009	DOGM			no sed pond inspection	8/27/07	terminated	N
6/18/2007	10024	DOGM			non coal waste	6/18.08	terminated	N
10/28/2008	10030	DOGM			guard shack		terminated	N

1/21/09 10032 DOGM Rocks in ditch Term N

7/2/09 10040 DOGM Failure to maintain sediment control, GVH Term N

Name of Operation	Identifying number for operation	Federal or State Permit Number	MSHA ID Number
Crandall		015/032	42-01715

Date Issued	Violation Number	Name of Issuing Agency	Person Issued To	Permit Number	Brief Description of Violation	Status (Abated, Term, etc.)	Abatement Action	Appeal Y or N
8/19/2004	Nov4-49-4-1	DOGM			Parking in Forest	Term	moved vehicle	N
9/13/2004	Nov4-49-5-1	DOGM			non-coal waste	Term	moved waste	N
9/8/2005	Nov5-49-2-1	DOGM			Failure annual subsidence	Term		N
10/4/2006	#10001	DOGM			Culvert Plugged	TERM	Unplugged	N
9/6/2007	10014	DOGM			no sed pond inspection	TERM	Inspected	N
9/10/2007	10015	DOGM			plugged culvert	term	unplugged	N
1/14/2008	10016	DOGM			mine water stored in pond	Term	rerouted water	N
1/14/2008	10017	DOGM			grvity flow fro m portals	Term	stopped flow	N
2/06/2008	10019	DOGM			failure to request permit renewal	Term	submitted renewal	N

5/28/2008	10021	DOGM	Plugged culverts	Term	Unplugged	N
5/28/2008	10022	DOGM	Failure to maintain silt fence	Term	Cleaned fence	N
8/10/2009	10043	DOGM	High iron discharge in Crandall Creek			N
8/10/2009	10044	DOGM	No macroinvertebrate studies			N
10/29/2009	10046	DOGM	Failure to clean out sediment pond			N

Name of Operation	Identifying number for operation	Federal or State Permit Number	MSHA ID Number
West Ridge		007/041	42-02233

Date issued	Violation Number	Name of Issuing Agency	Person Issued To	Permit Number	Brief Description of Violation	Status (Abated, Term, etc.)	Abatement Action	Appeal Y or N
1/22/2004	Nov4-49-1-1	DOGM			Failure to request renewal	Term		N
4/6/2005	Nov5-39-1-1	DOGM			Failure to submit 4qtr water	Term		N
7/31/2008	10025	DOGM			coal pushed on topsoil	Term		N
1/29/2009	10033	DOGM			sediment in stream	Yes		N
4/29/2010	10051	DOGM			storage shed CO	yes		
4/29/2010	10052	DOGM			plugged culvert	yes		





Name of Operation		Identifying number for operation				Federal or State Permit Number	MSHA ID Number
Date Issued	Violation Number	Name of Issuing Agency	Person Issued To	Permit Number	Brief Description of Violation	Status (Abated, Term, etc.)	Appeal Y or N
UMCO							
			74645				3608375
9/1/2004	426787	DMRM		63921301	86.13	No resolution	N
9/3/2004	426786	DMRM		63921301	89.142a(b)	No resolution	N
9/20/2004	427936	DMRM		63921301	89.142a(b)	No resolution	N
1/4/2005	445603	Air Quality		63921301	25.127.25	ADM. Close Out	N
1/13/2005	445603	Air Quality		63921301	25.127.25	ADM Close Out	N
3/18/2005	445603	Air Quality		63921301	25.127.25	ADM Close Out	N
6/10/2005	466153	DEP		63921301	25.89.21	No resolution	N
7/15/2005	448412	DEP		63921301	25.89.68	Abated	N
7/15/2005	448413	DEP		63921301	25.89.83(a)	Abated	N
10/10/2006	499479	PADDER		63921301	89.142a(f)	No resolution	Y

Name of Operation		Identifying number for operation				Federal or State Permit Number	MSHA ID Number	
Date Issued	Violation Number	Name of Issuing Agency	Person Issued To	Permit Number	Brief Description of Violation	Status (Abated, Term. etc.)	Abatement Action	Appeal Y or N
Maple Creek		4244				63723707	36-00970	
5/7/2004	394440	MCM		63841302	89.142A.F.1	Abated		N
5/12/2004	394880	MCM		63841302	89.142A.F.1	No resolution		N
5/13/2004	395344	MCM		63841302	89.142A.F.1	No resolution		N
5/13/2004	395345	MCM		63841302	89.142A.F.1V	No resolution		N
5/13/2004	395346	MCM		63841302	89.142A.E	Abated		N
5/7/2004	394440	MCM		63841302	89.142A.F.1	Abated		N
7/7/2004	401714	MCM		63841302	89.142A.F.1	No resolution		N
7/30/2004	421806	MCM		63841302	SMCRA.18.6	Abated		N
8/26/2004	425804	MCM		63841302	89.142A.F.1	No resolution		N
8/13/2004	426148	MCM		63723707	88.13	Abated		N
9/8/2004	427302	MCM		63723707	90.102	Abated		N
9/10/2004	427564	MCM		63723707	90.102	Abated		N
9/13/2004	427565	MCM		63723707	90.102	Abated		N
9/14/2004	427566	MCM		63723707	90.102	Abated		N
9/14/2004	427567	MCM		63723707	90.112	Abated		N
10/19/2004	432068	MCM		63723707	90.102	Abated		N
7/29/2005	469866	DEP		63723707	89.142a(b)(1)(iii)	No Resolution		N
12/1/2005	478486	PADEP		63841302	89.145a(b)	No Resolution		N
12/1/2005	478487	PADEP		63841302	89.145a(f)(1)(v)	No Resolution		N
12/1/2005	478488	PADEP		63841302	89.145a(b)	No Resolution		N
1/9/2006	480660	PADEP		63841302	1396.18(f)	Abated		N
6/12/2006	491619	PADEP		6381302	89.142a(e)	No Resolution		Y



Kim Betcher

Name of Operation		Identifying number for operation	Federal or State Permit Number	MSHA ID Number				
Ohio American Coal, Inc.		N/A	N/A	3304550/3304569				
Date Issued	Violation Number	Name of Issuing Agency	Person Issued To	Permit Number	Brief Description of Violation	Status (Abated, Term. etc.)	Abatement Action	Appeal Y or N
8/9/2006	21861	ODNR	OAEI	D-2180	outside of permit bndry	Abated	IBR	N
3/1/2007	13101	ODNR	OAEI	D-2291	mining without a permit	Abated	Permit issued	N

Name of Operation		Identifying number for operation		Federal or State Permit Number		MSHA ID Number		
Energy Resources, Inc.		470		License # 1465		360 269 5		
Charlie Shestak								
Date Issued	Violation Number	Name of Issuing Agency	Person Issued To	Permit Number	Brief Description of Violation	Status (Abated, Term. etc.)	Abatement Action	Appeal Y or N
5/11/2004	143258	PaDEP	ERI	24010101	87.147	Abated	Corrected	N
8/26/2004	167665	PaDEP	ERI	24010101	87.140	Abated	Corrected	N
8/30/2004	168590	PaDEP	ERI	24970102	87.147	Abated	Corrected	N
7/6/2004	147120	PaDEP	ERI	33901602	89.52	Abated	Corrected	N
7/31/2006	211989	PaDEP	ERI	17841607	86.152	Abated	Corrected	N
4/11/2006	486936	PaDEP	ERI	17930120	87.157	Abated	Corrected	N



David Bartsch

Name of Operation		Identifying number for operation		Federal or State Permit Number	MSHA ID Number			
Belmont Coal Company				D-0241/D-1020	33-04397/33-03048			
Date Issued	Violation Number	Name of Issuing Agency	Person Issued To	Permit Number	Brief Description of Violation	Status (Abated, Term. etc.)	Abatement Action	Appeal
2/24/2004	24541	DMR	Mine	D-0241	Gullies exist in regraded	Terminated	regraded	Y or N
								N

Name of Operation		Identifying number for operation			Federal or State Permit Number	MSHA ID Number		
The Ohio Valley Coal Co.		Powhatan No. 6 Mine			State - D-0360	33-01159		
Date Issued	Violation Number	Name of Issuing Agency	Person Issued To	Permit Number	Brief Description of Violation	Status (Abated, Term. etc.)	Abatement Action	Appeal Y or N
8/2/2004	19662	DMRM	Mine D-0360		Failure to maintain sediment control	Terminated	Cleaned Ditch	N
5/23/2006	19656	DMRM	Mine D-0360		Failure to maintain the perimeter of diversion ditch	Terminated	Cleaned Ditch	N
11/30/2006	28473	DMRM	Mine D-0360		Undirected Drainage	Terminated	Cleaned Ditch	N
11/30/2006	28484	DMRM	Mine D-0360		Coal Blocking Diversion Ditch	Terminated	Cleaned Ditch	N

David Bartsch

Name of Operation			Identifying number for operation					Federal or State Permit Number	MSHA ID Number
American Energy Corp							D-0425	33-01070	
Date Issued	Violation Number	Name of Issuing Agency	Person Issued To	Permit Number	Brief Description of Violation	Status (Abated, Term. etc.)	Abatement Action	Appeal Y or N	
1/25/2005	21807	ODNR		D-0425	subsidized residnet ran out of water	Terminated	filled tank with water	N	
4/27/2005	19696	ODNR		D-0425	Coal located outside stockpile area	Terminated	cleaned coal	N	
4/29/2005	19695	ODNR		D-0425	Maintenance on pond 018	Terminated	cleaned out pond	N	
4/27/2005	19697	ODNR		D-0425	drainage from property not entering sumps	Terminated	construct sumps	N	
10/3/2005	21871	ODNR		D-0425	Failure to sub specific repairs ( landowner)	Active		N	
6/15/2006	21860	ODNR		D-1159	Segregate Prim Farmland soils	Active	Waiting on ODNR, All information submitted	N	
Aug-05	CO-1726	ODNR		D-0425	Uncontrolled discharge ( Slurry )	Active	Will submit revised Plan Mid Month	N	

Name of Operation	Identifying number for operation	Federal or State Permit Number	MSHA ID Number					
The American Coal Co.	Galatia Mine & Millennium Portal	IDNR Mining Permit #2 and #352	11-02752					
Date Issued	Violation Number	Name of Issuing Agency	Person Issued To	Permit Number	Brief Description of Violation	Status (Abated, Term. etc.)	Abatement Action	Appeal Y or N
9/27/2004	37-1-04	IDNR	DeNeal	Permit #2	Failure to submit groundwater report on schedule	Terminated		N
4/13/2005	37-01-05	IDNR	DeNeal	Permit #2	Failure to submit u/g mining maps	Terminated		N
5/12/2005	37-02-05	IDNR	DeNeal	Shadow Area 9	failure to complete subsidence mitigation in contemporaneous manner.	Modified		N
6/1/2005	37-03-05	IDNR	DeNeal	352	broken waterline-failure to prevent minepumpage from passing through sediment pond before going offsite	Terminated		N

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The following companies either did not have any violations in the last three years or do not have permits.

Oklahoma Coal Company

KenAmerican Resources, Inc.

Onieda Coal, Inc.

MonValley Transportation Center, Inc.

Mill Creek Mining Co.

Pinski Corp

American Compliance Coal Inc.

Coal Resources Inc.

PA Transloading, Inc.

West Virginia Resources Inc.

WildCat Loadout

American Coal Sales Co.

Hocking Valley Resources Co..

**APPENDIX 1-4E....LEASE ASSIGNMENT  
STATE (SITLA) COAL LEASE ML-51744**

**ADD TO APPENDIX 1-4  
REPLACE PENTA CREEK LEASE COVER, 1-4F**

APPENDIX 1-4E  
LEASE ASSIGNMENT  
STATE (SITLA) COAL LEASE  
ML 51744

Board Approval Date: May 13, 2010

LEASE NO. ML 51744-OBA

GRANT: **SCH 480.00**

UTAH STATE LEASE FOR COAL  
ML 51744-OBA

THIS COAL MINING LEASE AND AGREEMENT (the "Lease") is entered into and executed in duplicate as of June 1, 2010, (the "Effective Date") by and between the STATE OF UTAH, acting by and through the SCHOOL AND INSTITUTIONAL TRUST LANDS ADMINISTRATION, 675 East 500 South, Suite 500, Salt Lake City, UT 84102, ("Lessor"), and

WEST RIDGE RESOURCES, INC.  
P.O. Box 910  
East Carbon, UT 84520

having a business address as shown above ("Lessee").

WITNESSETH:

That the State of Utah, as Lessor, in consideration of the rentals, royalties, and other financial consideration paid or required to be paid by Lessee, and the covenants of Lessee set forth below, does hereby GRANT AND LEASE to Lessee the exclusive right and privilege to explore for, drill for, mine, remove, transport, convey, cross-haul, commingle, and sell the coal located within the boundaries of the following described tract of land (the "Leased Premises") located in Carbon County, State of Utah:

T13S, R13E, SLB&M.  
SEC. 36: N½, SE¼

Containing 480.00 acres, more or less.

Together with the right and privilege to make use of the surface (but only to the extent owned by Lessor) and subsurface of the Leased Premises for uses incident to the mining of coal by Lessee on the Leased Premises or on other lands under the control of Lessee or mined in connection with operations on the Leased Premises, including, but not limited to, conveying, storing, loading, hauling, commingling, cross-hauling, and otherwise transporting coal; excavating; removing, stockpiling, depositing and redepositing of surface materials; and the subsidence, mitigation, restoration and reclamation of the surface.

This Coal Mining Lease and Agreement is subject to, and Lessee hereby agrees to and accepts, the following covenants, terms, and conditions:

1. LEASED MINERALS.

- 1.1 Coal. This mineral lease covers coal, which shall mean and include black or brownish-black solid fossil fuels that have been subjected to the natural processes of coalification, and which fall within the classification of coal by rank as anthracitic, bituminous, sub-bituminous, or lignitic, together with closely associated substances which include, but are not limited to other hydrocarbon substances physically contained within the same geologic strata as the coal. In the event that minerals other than coal are discovered during lease operations, Lessee shall promptly notify Lessor.
- 1.2 Coalbed Methane. To the extent that Lessor owns gas, coalbed methane or coal seam gas (collectively "coalbed methane") within the Leased Premises, Lessee may vent, or flare such coalbed methane from the coal strata being mined and any overlying formations if such removal is necessary for safety reasons in the reasonable discretion of Lessee. If Lessee captures or uses such coalbed methane, it shall pay Lessor royalties on the value of such coalbed methane at the prevailing state royalty rate for natural gas, unless such royalties are expressly waived by Lessor. In the event that Lessor does not own gas or coalbed methane within the Leased Premises, or Lessor has granted the rights to gas or coal bed methane in the Leased Premises to another party, Lessee must obtain the consent of the owner or lessee of such coalbed methane prior to removal or capture of such gas. Except as expressly granted herein, the right to extract gas, coalbed methane and coal seam gas is not granted by this Lease.
- 1.3 No Warranty of Title. Lessor claims title to the mineral estate covered by this Lease. Lessor does not warrant title nor represent that no one will dispute the title asserted by Lessor. It is expressly agreed that Lessor shall not be liable to Lessee for any alleged deficiency in title to the mineral estate, nor shall Lessee become entitled to any refund for any rentals, bonuses, or royalties paid under this Lease in the event of title failure.

2. RESERVATIONS TO LESSOR. Subject to the exclusive rights and privileges granted to Lessee under this Lease, and further provided that Lessor shall refrain from taking actions with respect to the Leased Premises that may unreasonably interfere with Lessee's operations, Lessor hereby excepts and reserves from the operation of this Lease the following rights and privileges (to the extent that Lessor has the right to grant such rights and privileges):

- 2.1 Rights-of-Way and Easements. Lessor reserves the right, following consultation with the Lessee, to establish rights-of-way and easements upon, through or over the Leased Premises, under terms and conditions that will not unreasonably interfere with operations under this Lease, for roads, pipelines, electric transmission lines, transportation and utility corridors, mineral access, and any other purpose deemed reasonably necessary by Lessor.
- 2.2 Other Mineral Leases. Lessor reserves the right to enter into mineral leases and agreements with third parties covering minerals other than coal, under terms and conditions that will not unreasonably interfere with operations under this Lease in accordance with Lessor's regulations, if any, governing multiple mineral development.
- 2.3 Use and Disposal of Surface. To the extent that Lessor owns the surface estate of the Leased Premises and subject to the rights granted to the Lessee pursuant to this Lease, Lessor reserves the right to use, lease, sell, or otherwise dispose of the surface estate or any part thereof. Lessor shall notify Lessee of any such sale, lease, or other disposition of the surface estate.

- 2.4 Previously Authorized Improvements. If authorized improvements have been placed upon the Leased Premises by a third party prior to the commencement of this Lease, Lessee shall allow the owner of such improvements to remove them within ninety (90) days after the Lease term commences. Nothing in this paragraph shall authorize Lessee to remove surface improvements where Lessor does not own the surface estate.
- 2.5 Rights Not Expressly Granted. Lessor further reserves all rights and privileges of every kind and nature, except as specifically granted in this Lease.

3. TERM OF LEASE; READJUSTMENT.

- 3.1 Primary Term. This Lease is granted for a "primary term" of ten (10) years commencing on the Effective Date and for a "secondary term" of an additional ten (10) years, subject to Lessee's compliance with the requirements of paragraph 3.3, Diligent Operations; Minimum Royalty.
- 3.2 Extension Beyond Secondary Term. Subject to Lessee's compliance with the other provisions of this Lease, this Lease shall remain in effect beyond the secondary term and for as long thereafter as coal is produced in commercial quantities from the Leased Premises, or from lands constituting either (i) a logical mining unit approved by the Bureau of Land Management containing the Leased Premises, or (ii) a mining unit, in which the recoverable coal reserves can be developed in an efficient, economical and orderly manner as a unit with due regard to the conservation of recoverable coal reserves. The second type of mining unit requires a determination by the Lessor that the criteria set forth in item (ii) have been satisfied. The satisfaction of either (i) or (ii) above shall mean that the Lease is contained within an "approved mining unit." For the purposes of this Lease, production of coal in commercial quantities shall mean production during each lease year of at least one per cent (1%) of the original recoverable coal reserves within the Leased Premises or within lands constituting an approved mining unit which includes the Leased Premises, as such recoverable coal reserves are determined by Lessor after consultation with Lessee, subject to adjustment from time to time based upon reasonable justification from the Lessee.
- 3.3 Diligent Operations; Minimum Royalty. In the absence of actual production in commercial quantities as set forth in paragraph 3.2, Extension Beyond Secondary Term, this Lease shall remain in effect beyond the primary term only if the Lessee is engaged in diligent operations, or development activity (which development activity shall include, but not be limited to, pursuit of required permits and approvals), which in Lessor's reasonable discretion is calculated to advance development or production of coal from the Leased Premises or lands constituting an approved mining unit which includes the Leased Premises, and Lessee pays an annual minimum royalty in advance on or before the anniversary date of the Effective Date. The minimum royalty shall be calculated by determining the production royalty that would be payable upon production of one per cent (1%) of the original recoverable coal reserves within the Leased Premises, as such recoverable coal reserves are determined by Lessor after consultation with Lessee, subject to adjustment from time to time based upon reasonable justification from the Lessee. The unit value of the recoverable coal reserves for purposes of determining the minimum royalty shall be determined by Lessor using the methodology set forth in 43 Code of Federal Regulations Section 3483.4(c)(1)-(3) (1998). Minimum royalties paid by Lessee pursuant to this paragraph may be credited against production royalties accruing during the term of this Lease.

3.4 Expiration; Cessation of Production. This Lease may not be extended pursuant to paragraph 3.3, Diligent Operations; Minimum Royalty, beyond the end of the twentieth year after the Effective Date except by the actual production of coal in commercial quantities from the Leased Premises or from lands constituting an approved mining unit which includes the Leased Premises. After expiration of the secondary term, this Lease will expire of its own terms, without the necessity of any notice or action by Lessor, if Lessee ceases production of coal in commercial quantities for an entire lease year, unless the Lease is suspended pursuant to paragraph 16.3, Suspension.

3.5 Readjustment. At the end of the primary term and at the end of each ten-year period that this lease is in effect, Lessor may readjust the terms and conditions of this Lease (including without limitation rental rates, minimum royalties, royalty rates and valuation methods, and provisions concerning reclamation). If within thirty (30) days after submission of the readjusted lease terms to the Lessee, the Lessee determines that any or all of the proposed readjusted terms and conditions are unacceptable, then Lessee shall so notify Lessor in writing and the parties shall attempt to resolve the objectionable term or condition. If the parties are unable to resolve the matter and agree upon the readjusted terms and conditions submitted by Lessor at the end of such ten (10) year period, Lessee shall forfeit any right to the continued extension of this lease, and the lease shall automatically terminate, provided that nothing herein shall be deemed to preclude Lessee from appealing any readjustment by Lessor pursuant to applicable law

3.6 Relinquishment. Lessee may relinquish all or portions of this Lease at any time by filing a written notice of relinquishment with Lessor. Lessor may disapprove any relinquishment if Lessee has failed to pay all rentals, royalties, and other amounts due and owing to the Lessor, if the lease is otherwise not in good standing, or if relinquishment would in Lessors's reasonable determination cause waste of economically recoverable coal. Lessee may not relinquish parcels smaller than a quarter-quarter section or surveyed lot. Upon approval, relinquishment shall relieve the Lessee of all future rental obligations as to the relinquished lands effective as of the date of filing of the relinquishment, but shall not relieve Lessee from other obligations to the extent provided in paragraph 15.2, Effect of Termination.

4. BONUS PAYMENTS. Lessee agrees to pay Lessor an upfront bonus in the total amount of \$44,696.20, payable with the issuance of the lease. The upfront bonus is based upon the likelihood that Lessee may recover at least one additional deep longwall mining panel with a portion of the recoverable coal tonnage extending into the Leased Premises. In addition to the upfront bonus, Lessee also agrees to pay Lessor a deferred bonus of 30.6 Cents per ton upon each and every ton of coal produced from the Leased Premises in excess of 146,066 tons of coal. Deferred bonus will only accrue as such additional coal is actually produced and shall be payable along with and in addition to production royalty accruing to such coal. Bonus payments may not be credited against any other payments, annual rentals or royalties accruing under the lease.

5. RENTALS. Lessee agrees to pay Lessor an annual rental of three dollars (\$3.00) for each acre and fractional part thereof within the Leased Premises. Lessee shall promptly pay annual rentals each year in advance on or before the anniversary date of the Effective Date. Lessee may not credit rentals against production royalties or against minimum royalties payable pursuant to paragraph 3.3, Diligent Operations; Minimum Royalty.

6. ROYALTIES.

- 6.1 Production Royalties. Lessee shall pay Lessor a production royalty of eight per cent (8%) of the value of all coal severed and removed from the Leased Premises by underground mining methods and twelve and one-half per cent (12.5%) of the value of all coal severed and removed from the Leased Premises by surface mining methods. For all coal sold pursuant to an arm's-length contract, value shall be determined on the basis of the gross proceeds received by Lessee from the sale or disposition of such coal. Gross proceeds shall include all bonuses, allowances or other consideration of any nature received by Lessee for coal actually produced. For any coal that is sold or disposed of other than by an arms-length contract, or for coal that is used within the mine permit area containing the Leased Premises for generation of electricity or for gasification, liquefaction, in situ processing, or other method of extracting energy from such coal, the value of such coal shall be determined by Lessor with reference to (in order of priority): (i) comparable arms-length contracts or other dispositions of like-quality coal produced in the same coal field; (ii) prices reported for that coal to a public utility commission; (iii) prices reported to other governmental agencies; or (iv) other relevant information.
- 6.2 Allowable Deductions. It is expressly understood and agreed that none of Lessee's mining or production costs, including but not limited to costs for materials, labor, overhead, distribution, transportation within the mine permit area prior to the point of sale, loading, crushing, sizing, screening, or general and administrative activities, may be deducted in computing Lessor's royalty. All such costs shall be entirely borne by Lessee and are anticipated by the rate of royalty set forth in this Lease. In the event that the point of sale for coal produced from this Lease is located outside the mine permit area boundary, Lessee may deduct the reasonable, actual costs of transportation of such coal from the mine permit area boundary to the point of sale from gross proceeds in computing Lessor's royalty; provided, however, that transportation deductions for coal transported by Lessee, Lessee's affiliates, or by non-arm's-length contract are subject to review and modification by Lessor. Lessee shall be allowed to deduct its actual, reasonable washing and treatment costs from gross proceeds in computing Lessor's royalty; provided, however, that, upon Lessor's request Lessee shall provide to Lessor appropriate justification to demonstrate that Lessee's costs are reasonable.
- 6.3 Reference to Federal Regulations. It is the intent of Lessor and Lessee that the calculation of the value of coal for royalty purposes be consistent with federal coal regulations governing the valuation of coal, except where this Lease expressly provides otherwise. In no event shall the value of coal used for calculation of royalties under this Lease be less than the value which would be obtained were federal royalty valuation regulations applied.
- 6.4 Royalty Payment. For all coal severed and removed from the Leased Premises that is used, sold, transported or otherwise disposed of during a particular month, Lessee shall pay royalties to Lessor on or before the end of the next succeeding month. Royalty payments shall be accompanied by a verified statement, in a form approved by Lessor, stating the amount of coal sold or otherwise disposed of, the gross proceeds accruing to Lessee, the calculation of allowable deductions, and any other information reasonably required by Lessor to verify production and disposition of the coal or coal products. In the event that Lessee uses or disposes of coal pursuant to a non-arm's-length contract, or uses coal for generation of electricity or for gasification, liquefaction, in situ processing, or other method of extracting energy from such coal, Lessee shall notify Lessor of such use or disposal on or before the end of the next succeeding month following such use or disposal, and shall pay royalties upon Lessee's good faith estimate of the value of such coal, subject to Lessor's right to determine the value

of such coal pursuant to paragraph 6.1, Production Royalties. On or before the royalty due date each month Lessee shall also submit to Lessor a detailed mining report of such production telling and mapping the coal tonnages extracted from the mine, whether sold or stockpiled, and the exact locations within the mine from which such tonnages were extracted. Production tonnages shall be determined by volumetric measurements within the mine and shall be verified by belt-scale weighing of the production coming out of the mine.

- 6.6 Suspension, Waiver or Reduction of Rents or Royalties. Lessor, to the extent not prohibited by applicable law, is authorized to waive, suspend, or reduce the rental or minimum royalty, or reduce the royalty applicable with respect to the entire Lease, whenever in Lessor's sole judgment it is necessary to do so in order to promote development, or whenever in the Lessor's sole judgment the Lease cannot be successfully operated under the terms provided herein.

7. RECORDKEEPING; INSPECTION; AUDITS.

- 7.1 Registered Agent; Records. Lessee shall maintain a registered agent within the State of Utah to whom any and all notices may be sent by Lessor and upon whom process may be served. Lessee shall also maintain an office within the State of Utah containing originals or copies of all maps, engineering data, permitting materials, books, records or contracts (whether such documents are in paper or electronic form) generated by Lessee that pertain in any way to coal production, output and valuation; mine operations; coal sales and dispositions; transportation costs; and calculation of royalties from the Leased Premises. Lessee shall maintain such documents for at least seven years after the date of the coal production to which the documents pertain.
- 7.2 Inspection. Lessor's employees and authorized agents at Lessor's sole risk and expense shall have the right to enter the Leased Premises to check scales as to their accuracy, and to go on any part of the Leased Premises to examine, inspect, survey and take measurements for the purposes of verifying production amounts and proper lease operations. Upon reasonable notice to Lessee, Lessor's employees and authorized agents shall further have the right to audit, examine and copy (at Lessor's expense) all documents described in paragraph 7.1, Registered Agent; Records, whether such documents are located at the mine site or elsewhere. Lessee shall furnish all conveniences necessary for said inspection, survey, or examination; provided, however, that such inspections shall be conducted in a manner that is in conformance with all applicable mine safety regulations and does not unreasonably interfere with Lessee's operations.
- 7.3 Geologic Information. In the event Lessee conducts core-drilling operations or other geologic evaluation of the Leased Premises, Lessor may inspect core samples, evaluations thereof, and proprietary geologic information concerning the Leased Premises. Upon receiving written request from Lessor, Lessee shall provide Lessor with a copy of drill logs, geotechnical analysis, and geological reports pertaining to the Leased Premises.
- 7.4 Confidentiality. Any and all documents and geologic data obtained by Lessor through the exercise of its rights as set forth in paragraphs 7.2, Inspection., and 7.3, Geologic Information., may be declared confidential information by Lessee, in which event Lessor and its authorized agents shall maintain such documents and geologic data as protected records under the Utah Governmental Records Access Management Act or other applicable privacy statute and shall not disclose the same to any third party without the written consent of Lessee, the order of a court of competent jurisdiction requiring such disclosure, or upon termination of this Lease.

8. USE OF SURFACE ESTATE.

- 8.1 Lessor-Owned Surface. If Lessor owns the surface estate of all or some portion of the Leased Premises, by issuance of this Lease the Lessee has been granted the right to make use of such lands to the extent reasonably necessary and expedient for the economic operation of the leasehold. Lessee's right to surface use of Lessor-owned surface estate shall include the right to subside the surface. Such surface uses shall be exercised subject to the rights reserved to Lessor as provided in paragraph 2, RESERVATIONS TO LESSOR, and without unreasonable interference with the rights of any prior or subsequent lessee of Lessor.
- 8.2 Split-Estate Lands. If Lessor does not own the surface estate of any portion of the Leased Premises, Lessee's access to and use of the surface of such lands shall be determined by applicable law governing mineral development on split-estate lands, including without limitation applicable statutes governing access by mineral owners to split estate lands, and reclamation and bonding requirements. Lessee shall indemnify, defend and hold Lessor harmless for all claims, causes of action, damages, costs and expenses (including attorney's fees and costs) arising out of or related to damage caused by Lessee's operations to surface lands or improvements owned by third parties.

9. APPLICABLE LAWS AND REGULATIONS; HAZARDOUS SUBSTANCES

- 9.1 State of Utah and Trust Lands Statute and Regulations. This Lease is issued pursuant to Title 53C, Utah Code Annotated, 1953, as amended, and Lessee is subject to and shall comply with all current and future rules and regulations adopted by the School and Institutional Trust Lands Administration and its successor agencies.
- 9.2 Other Applicable Laws and Regulations. Lessee shall comply with all applicable federal, state and local statutes, regulations, and ordinances, including without limitation the Utah Coal Mining and Reclamation Act, applicable statutes and regulations relating to mine safety and health, and applicable statutes, regulations and ordinances relating to public health, pollution control, management of hazardous substances and environmental protection.
- 9.3 Hazardous Substances. Lessee or other occupant pursuant to any agreement authorizing mining] shall not keep on or about the premises any hazardous substances, as defined under 42 U.S.C. Section 9601(14) or any other Federal environmental law, any regulated substance contained in or released from any underground storage tank, as defined by the Resource Conservation and Recovery Act, 42 U.S.C. Section 6991, *et seq.*, or any substances defined and regulated as "hazardous" by applicable State law, (hereinafter, for the purposes of this Lease, collectively referred to as "Hazardous Substances") unless such substances are reasonably necessary in Lessee's mining operations, and the use of such substances or tanks is noted and approved in the Lessee's mining plan, and unless Lessee fully complies with all Federal, State and local laws, regulations, statutes, and ordinances, now in existence or as subsequently enacted or amended, governing Hazardous Substances. Lessee shall immediately notify Lessor, and any other Federal, State and local agency with jurisdiction over the Leased Premises, or surface thereof, or contamination thereon, of (i) all reportable spills or releases of any Hazardous Substance affecting the Leased Premises, (ii) all failures to comply with any applicable Federal, state or local law, regulation or ordinance governing Hazardous Substances, as now enacted or as subsequently enacted or amended, (iii) all inspections of the Leased Premises by, or any correspondence, order, citations, or notifications from any regulatory entity concerning Hazardous

Substances affecting the Leased Premises, (iv) all regulatory orders or fines or all response or interim cleanup actions taken by or proposed to be taken by any government entity or private Party concerning the Leased Premises.

- 9.4 Hazardous Substances Indemnity. Lessee or other occupant pursuant to any agreement authorizing mining shall indemnify, defend, and hold harmless Lessor, its agencies, employees, officers, and agents with respect to any and all damages, costs, liabilities, fees (including attorneys' fees and costs), penalties (civil and criminal), and cleanup costs arising out of or in any way related to Lessee's use, disposal, transportation, generation, sale or location upon or affecting the Leased Premises of Hazardous Substances, as defined in paragraph 9.3 of this Lease. This indemnity shall extend to the actions of Lessee's employees, agents assigns, sublessees, contractors, subcontractors, licensees and invitees. Lessee shall further indemnify, defend and hold harmless Lessor and the United States from any and all damages, costs, liabilities, fees (including attorneys' fees and costs), penalties (civil and criminal), and cleanup costs arising out of or in any way related to any breach of the provisions of this Lease concerning Hazardous Substances. This indemnity is in addition to, and in no way limits, the general indemnity contained in paragraph 16.1 of this Lease.
- 9.5 Waste Certification. The Lessee shall provide upon abandonment, transfer of operation, assignment of rights, sealing-off of a mined area, and prior to lease relinquishment, certification to the Lessor that, based upon a complete search of all the operator's records for the Lease, and upon its knowledge of past operations, there have been no reportable quantities of hazardous substances as defined in 40 Code of Federal Regulations Section 302.4, or used oil as defined in Utah Administrative Code R315-15, discharged (as defined at 33 U.S.C. Section 1321(a)(2)), deposited or released within the Leased Premises, either on the surface or underground, and that all remedial actions necessary have been taken to protect human health and the environment with respect to such substances. Lessee shall additionally provide to Lessor a complete list of all hazardous substances, hazardous materials, and their respective Chemical Abstracts Service Registry Numbers, and oil and petroleum products used or stored on, or delivered to, the Leased Premises. Such disclosure will be in addition to any other disclosure required by law or agreement.

## 10. BONDING.

- 10.1 Lease Bond Required. At any time after this Lease is executed, if requested by the Lessor, Lessee shall execute and file with the Lessor a good and sufficient bond or other financial guarantee acceptable to Lessor in order to: (a) guarantee Lessee's performance of all covenants and obligations under this Lease, including Lessee's obligation to pay royalties; and (b) ensure compensation for damage, if any, to the surface estate and any surface improvements. The form of the Lease Bond shall be as prescribed or approved as to form by Lessor. Lessee shall also satisfy all reclamation bonding requirements of the Utah Division of Oil, Gas and Mining ("UDOGM") in connection with the issuance of a mine permit which includes the Leased Premises.
- 10.2 Reclamation Bonding. The bond filed with the Utah Division of Oil, Gas and Mining ("UDOGM") in connection with the issuance of a mine permit which includes the Leased Premises shall be deemed to satisfy Lessor's bonding requirements with respect to Lessee's reclamation obligations under this Lease; provided, however, upon notice to Lessee and a public hearing with respect to the basis for its decision, the Lessor may, in its reasonable discretion, determine that the bond filed with UDOGM is insufficient to protect Lessor's interests. In such an event the Lessor shall enter written findings as to the basis for its calculation of the perceived insufficiency and enter an order establishing the amount of

additional bonding required. Lessee shall file any required additional bond with Lessor within thirty (30) days after demand by Lessor. Lessor may increase or decrease the amount of any additional bond from time to time in accordance with the same procedure.

- 10.3 Release of Additional Bond. Any additional bond required by Lessor pursuant to 10.2, Reclamation Bonding, may be released by Lessor at any time and shall be released no later than the time of final bond release by UDOGM with respect to the Leased Premises.

11. WATER RIGHTS.

- 11.1 Water Rights in Name of Lessor. If Lessee files to appropriate water for coal mining operations on the Leased Premises, the filing for such water right shall be made by Lessee in the name of Lessor at no cost to Lessor, and such water right shall become an appurtenance to the Leased Premises, subject to Lessee's right to use such water right at no cost during the term of this Lease.

- 11.2 Option to Purchase. If Lessee purchases or acquires an existing water right for coal mining operations on the Leased Premises, Lessor shall have the option to acquire that portion of such water right as was used on the Leased Premises upon expiration or termination of this Lease. The option price for such water right shall be the fair market value of the water right as of the date of expiration or termination of this Lease. Upon expiration or termination of this Lease, Lessee shall notify Lessor in writing of all water rights purchased or acquired by Lessee for coal mining operations on the Leased Premises and its estimate of the fair market value of such water right. Lessor shall then have forty-five (45) days to exercise its option to acquire the water by payment to Lessee of the estimated fair market value. If Lessor disagrees with Lessee's estimate of fair market value, Lessor shall notify Lessee of its disagreement within the 45 day option exercise period. The fair market value of the water right shall then be appraised by a single appraiser mutually acceptable to both parties, which appraisal shall be final and not subject to review or appeal. If the parties cannot agree upon the choice of an appraiser, the fair market value of the water right shall be determined by a court of competent jurisdiction. Conveyance of any water right pursuant to this paragraph shall be by quit claim deed.

12. ASSIGNMENT OR SUBLEASE; OVERRIDING ROYALTIES.

- 12.1 Consent Required. Lessee shall not assign or sublease this Lease in whole or in part, or otherwise assign or convey any rights or privileges granted by this Lease, including, without limitation, creation of overriding royalties or production payments, without the prior written consent of Lessor. Any assignment, sublease or other conveyance made without prior written consent of Lessor shall have no legal effect unless and until approved in writing by Lessor. Exercise of any right with respect to the Leased Premises in violation of this provision shall constitute a default under this Lease.
- 12.2 Binding Effect. All of the terms and provisions of this Lease shall be binding upon and shall inure to the benefit of their respective successors, assigns, and sublessees.
- 12.3 Limitation on Overriding Royalties. Lessor reserves the right to disapprove the creation of an overriding royalty or production payment that would, in Lessor's reasonable discretion, constitute an unreasonable economic burden upon operation of the Lease. In exercising its discretion to disapprove the creation of an overriding royalty, Lessor shall consult with Lessee and any third parties involved and shall prepare findings to evidence the basis of its decision. Cumulative overriding royalties of 2%

or less shall be deemed presumptively reasonable unless special circumstances are shown by Lessor to exist.

13. OPERATIONS.

- 13.1 Permitting. Before Lessee commences exploration, drilling, or mining operations on the Leased Premises, it shall have obtained such permits and posted such bonds as may be required under applicable provisions of the Utah Coal Mining and Reclamation Act, the Surface Mining Control and Reclamation Act, and associated regulations, together with applicable regulations of the surface management agency. Lessee shall maintain any required permits in place for the duration of mining operations and reclamation. Upon request, Lessee shall provide Lessor with a copy of all regulatory filings relating to permitting matters.
- 13.2 Plan of Operations. Prior to the commencement of any underground mining operations on the Leased Premises, Lessee shall obtain Lessor's approval of a plan of operations for the Leased Premises. The plan of operations shall contain all information required to be contained in a federal Resource Recovery and Protection Plan, as described in 43 Code of Federal Regulations Section 3482.1(b) and (c) (1998). Lessor may modify the proposed plan of operations as is needed to insure that there is no waste of economically recoverable coal reserves contained on the Leased Premises. In this context "waste" shall mean the inefficient utilization of, or the excessive or improper loss of an otherwise economically recoverable coal resource. Lessor shall notify Lessee in writing of its approval or modifications of the plan of operations. The plan of operations submitted by Lessee shall be deemed approved by Lessor if Lessor has not otherwise notified Lessee within sixty (60) days of filing.
- 13.3 Plan of Operations - Modification. In the event that material changes are required to the plan of operations during the course of mining, Lessee shall submit a modification of the plan of operations to the Lessor. Routine adjustments to the plan of operations based upon geologic circumstances encountered during day-to-day mining operations do not require the submission of a modification. If the proposed changes require emergency action by Lessor, then the Lessee shall so notify the Lessor at the time of submission of the modification and the parties shall use their best efforts to meet the Lessee's time schedule regarding implementation of the changes. Non-emergency modifications will be reviewed promptly by Lessor to insure that there is no waste of economically recoverable coal reserves pursuant to the plan of operations, as modified, and Lessor shall notify lessee in writing of its approval or modification of the proposed modification. Modifications shall be deemed approved by Lessor if Lessor has not otherwise notified Lessee within thirty (30) days of filing with Lessor.
- 13.4 Mine Maps. Lessee shall maintain at the mine office clear, accurate, and detailed maps of all actual and planned operations prepared and maintained in the manner prescribed by 43 Code of Federal Regulations Section 3482.3. Said maps shall be stamped and certified by a Professional Engineer or Professional Geologist with experience in coal mining. Lessee shall provide copies of such maps to Lessor upon request.
- 13.5 Good Mining Practices. Lessee shall conduct exploration and mining operations on the Leased Premises in accordance with standard industry operating practices, and shall avoid waste of economically recoverable coal. Lessee shall comply with all regulations and directives of the Mine Safety and Health Administration or successor agencies for the health and safety of employees and workers. Lessee shall further comply with the performance standards for underground resource recovery set forth at 43 Code of Federal Regulations Section 3484.1(c) (1998) if mining the coal

underground; provided, however, that Lessor may waive such standards from time to time in its reasonable discretion, upon request by Lessee.

- 13.6 Mining Units. Lessor may approve the inclusion of the Leased Premises in a mining unit with federal, private or other non-state lands upon terms and conditions that it deems necessary to protect the interests of the Lessor, including without limitation segregation of production, accounting for commingled coal production, and minimum production requirements or minimum royalties for the Leased Premises.

14. EQUIPMENT; RESTORATION.

- 14.1 Equipment. Upon termination of this Lease, Lessee shall remove, and shall have the right to remove, all improvements, equipment, stockpiles, and dumps from the Leased Premises within six (6) months; provided, however, that Lessor may, at Lessor's sole risk and expense, and subject to Lessee's compliance with requirements imposed by UDOGM and MSHA, require Lessee to retain in place underground timbering supports, shaft linings, rails, and other installations reasonably necessary for future mining of the Leased Premises. All improvements and equipment remaining on the Leased Premises after six (6) months may be deemed forfeited to Lessor upon written notice of such forfeiture to Lessee. Lessee may abandon underground improvements, equipment of any type, stockpiles and dumps in place if such abandonment is in compliance with applicable law, and further provided that Lessee provides Lessor with financial or other assurances sufficient in Lessor's reasonable discretion to protect Lessor from future environmental liability with respect to such abandonment or any associated hazardous waste spills or releases. Lessee shall identify and locate on the mine map the location of all equipment abandoned on the Lease Premises.

- 14.2 Restoration and Reclamation. Upon termination of this Lease, Lessee shall reclaim the Leased Premises in accordance with the requirements of applicable law, including mine permits and reclamation plans on file with UDOGM. Lessee shall further abate any hazardous condition on or associated with the Leased Premises. Lessee and representatives of all governmental agencies having jurisdiction shall have the right to re-enter the Leased Premises for reclamation purposes for a reasonable period after termination of the Lease.

15. DEFAULT

- 15.1 Notice of Default; Termination. Upon Lessee's violation of or failure to comply with any of the terms, conditions or covenants set forth in this Lease, Lessor shall notify Lessee of such default by registered or certified mail, return receipt requested, at the last address for Lessee set forth in Lessor's files. Lessee shall then have thirty (30) days, or such longer period as may be granted in writing by Lessor, to either cure the default or request a hearing pursuant to the Lessor's administrative adjudication rules. In the event Lessee fails to cure the default or request a hearing within the specified time period, Lessor may cancel this Lease without further notice to or appeal by Lessee.
- 15.2 Effect of Termination. The termination of this Lease for any reason, whether through expiration, cancellation or relinquishment, shall not limit the rights of the Lessor to recover any royalties and/or damages for which Lessee may be liable, to recover on any bond on file, or to seek injunctive relief to enjoin continuing violations of the Lease terms. No remedy or election under this Lease shall be deemed exclusive, but shall, wherever possible, be cumulative with all other remedies available under this Lease, at law, or in equity. Lessee shall surrender the Leased Premises upon termination;

however, the obligations of Lessee with respect to reclamation, indemnification and other continuing covenants imposed by this Lease shall survive the termination.

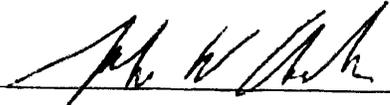
16. MISCELLANEOUS PROVISIONS.

- 16.1 Indemnity. Except as limited by paragraph 7.2, Inspection, Lessee shall indemnify and hold Lessor harmless for, from and against each and every claim, demand, liability, loss, cost, damage and expense, including, without limitation, attorneys' fees and court costs, arising in any way out of Lessee's occupation and use of the Leased Premises, including without limitation claims for death, personal injury, property damage, and unpaid wages and benefits. Lessee further agrees to indemnify and hold Lessor harmless for, from and against all claims, demands, liabilities, damages and penalties arising out of any failure of Lessee to comply with any of Lessee's obligations under this Lease, including without limitation attorneys' fees and court costs.
- 16.2 Interest. Except as set forth in paragraph 4, BONUS BID, interest shall accrue and be payable on all obligations arising under this Lease at such rate as may be set from time to time by rule enacted by Lessor. Interest shall accrue and be payable, without necessity of demand, from the date each such obligation shall arise.
- 16.3 Suspension. In the event that Lessor in its reasonable discretion determines that suspension is necessary in the interests of conservation of the coal resource, or if Lessee has been prevented from performing any of its obligations or responsibilities under this Lease or from conducting mining operations by labor strikes, fires, floods, explosions, riots, any unusual mining casualties or conditions, Acts of God, government restrictions or orders, severe weather conditions, or other extraordinary events beyond its control, then the time for performance of this Lease by Lessee shall be suspended during the continuance of such acts which prevent performance, excepting any payments due and owing to Lessor.
- 16.4 Consent to Suit; Jurisdiction (i) Lessor and Lessee agree that all disputes arising out of this Lease shall be litigated only in the Third Judicial District Court for Salt Lake County, Utah; (ii) Lessee consents to the jurisdiction of such court; and (iii) Lessee shall not bring any action against Lessor without exhaustion of available administrative remedies and compliance with applicable requirements of the Utah Governmental Immunity Act.
- 16.5 No Waiver. No waiver of the breach of any provision of this Lease shall be construed as a waiver of any preceding or succeeding breach of the same or any other provision of this Lease, nor shall the acceptance of rentals or royalties by Lessor during any period of time in which Lessee is in default be deemed to be a waiver of such default.
- 16.6 Severability. The invalidity of any provision of this Lease, as determined by a court of competent jurisdiction, shall in no way affect the validity of any other provision hereof.
- 16.7 Entire Lease. This Lease, together with any attached stipulations, sets forth the entire agreement between Lessor and Lessee with respect to the subject matter of this Lease. No subsequent alteration or amendment to this Lease shall be binding upon Lessor and Lessee unless in writing and signed by each of them.

IN WITNESS WHEREOF, the parties have executed this Lease as of the date hereinabove first written.

APPROVED AS TO FORM:  
MARK L. SHURTLEFF

ATTORNEY GENERAL

By 

Form Approved: 5-17-10

THE STATE OF UTAH, acting by and through the  
SCHOOL AND INSTITUTIONAL TRUST LANDS  
ADMINISTRATION ("LESSOR")

KEVIN S. CARTER, DIRECTOR

By   
THOMAS B. FADDIES  
ASSISTANT DIRECTOR/MINERALS

("LESSEE")

By: 

Its: President

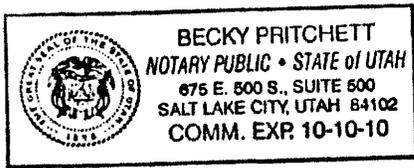
STATE OF UTAH )  
 : ss.  
COUNTY OF SALT LAKE )

On the 23rd day of June, 2010, personally appeared before me THOMAS B. FADDIES who being by me duly sworn did say that he is ASSISTANT DIRECTOR/HRI MINERALS of the School and Institutional Trust Lands Administration of the State of Utah and the signer of the above instrument, who duly acknowledged that he executed the same.

Given under my hand and seal this 23rd day of June, 2010.

Becky Pritchett  
Notary Public  
Residing at: \_\_\_\_\_

My commission expires:



STATE OF UTAH )  
 : ss.  
COUNTY OF Carbon )  
~~SALT LAKE~~

On the 18th day of June, 2010, personally appeared before me David W. Hibbs, who being duly sworn did say that he is an officer of WEST RIDGE RESOURCES, INC. and that said instrument was signed in behalf of said corporation by resolution of its Board of Directors, and he acknowledged to me that said corporation executed the same.

Given under my hand and seal this 18th day of June, 2010.

Mary V. Kava  
Notary Public  
Residing at: Ferron, Utah

My commission expires 5-16-2012



**APPENDIX 1-4F**

**LEASE ASSIGNMENT**

**PENTA CREEK FEE LEASE**

**APPENDIX 1-7....OWNERSHIP AND CONTROL**

**REPLACE ENTIRE APPENDIX**

**APPENDIX 1-7**

**OWNERSHIP AND CONTROL**

# **OWNERSHIP AND CONTROL**

**REVISED 6/15/2010**

**Section 1**

Insert  
Family Tree



**Section 2**

**MURRAY ENERGY HOLDINGS CO.**

29325 Chagrin Boulevard, Suite 300  
Pepper Pike, Ohio 44122

**Officers:**

		<u>Begin</u>	<u>End</u>
Robert E. Murray	President & CEO	06/30/03	11/29/05
Michael D. Loiacono	Treasurer	01/10/05	
		06/30/03	
Michael O. McKown	Secretary	06/30/03	
Robert D. Moore	Chief Financial Officer	04/23/07	

**Incorporation Information:**

State of Incorporation                      Delaware;  
Charter No. 3676958

Date of Incorporation                      June 27, 2003

ID #    20-0100463

**Shareholders:**

Robert E. Murray, Trustee              05/10/2010  
Robert Edward Murray  
Jonathan Robert Murray  
Ryan Michael Murray  
Fifth Third Bank of  
Northeast Ohio, Trustee

**Directors:**

Robert E. Murray	06/30/03	
Michael D. Loiacono	06/30/03	04/23/07
Michael O. McKown	06/30/03	
Robert D. Moore	04/23/07	

### Section 3

#### **MURRAY ENERGY CORPORATION**

29325 Chagrin Boulevard, Suite 300

Pepper Pike, Ohio 44122

#### Appointment of Officers

		<u>Begin</u>	<u>End</u>
Robert E. Murray	Chairman, President & Chief Executive Officer	02/23/01 02/23/01	
John R. Forrelli	Vice President	09/11/07	
Robert D. Moore	Executive Vice President & Chief Financial Officer	08/01/08 08/01/08	
Robert Edward Murray	Vice President	09/11/07	
Ryan M. Murray	Vice President	09/11/07	
Roy A. Heidelbach	Asst. Vice President	09/11/07	
P. Bruce Hill	Vice President - Human Resources	12/18/03	11/05/09
B.J. Cornelius	Vice President	08/01/08	
Michael D. Loiacono	Treasurer	02/23/01	
Michael D. Loiacono	Chief Financial Officer	12/20/05	04/23/07
Michael O. McKown	Senior Vice President, General Counsel & Secretary	08/01/08	
	Senior VP – HR & Legal	03/23/10	
G. Christopher Van Bever	Asst. Secretary	10/22/07	

#### Incorporation Information:

State of Incorporation	Ohio; Charter No. 1211519
Date of Incorporation	February 23, 2001
ID#	34-1956752

#### Shareholder:

	<u>Begin</u>	<u>End</u>
Murray Energy Holdings Co. (100%)	10/21/03	
Robert E. Murray	02/23/01	10/21/03

Directors:

Robert E. Murray	02/23/01	
Michael D. Loiacono	12/20/05	04/23/07
Henry W. Fayne	01/28/05	
Richard L. Lawson	01/28/05	
Andrew D. Weissman	10/23/03	08/27/09
Robert D. Moore	04/23/07	

**Section 4**

**UTAHAMERICAN ENERGY, INC.**

P.O. Box 910

East Carbon, Utah 84520

**Officers:**

		<u>Begin</u>	<u>End</u>
David W. Hibbs	President	12/11/09	
Peter J. Vuljanic	Interim President	11/06/09	12/11/09
P. Bruce Hill	Chief Executive Officer	08/18/06	11/05/09
P. Bruce Hill	President	12/16/06	11/05/09
Douglas H. Smith	President	08/18/06	12/16/06
Clyde I. Borrell	President	07/31/98	05/19/06
Robert D. Moore	Treasurer	08/18/06	
Michael O. McKown	Secretary	08/18/06	
Marsha Baker Kocinski	Secretary	07/31/98	06/25/02
Barbara Boyce	Secretary	07/31/98	11/01/99
Jay Marshall	Manager	07/31/98	08/18/06
B. J. Cornelius	Senior Vice President	09/12/06	

**Directors:**

Robert E. Murray	07/31/98	
P. Bruce Hill	08/18/06	11/05/09
David W. Hibbs	11/05/09	

**Owner:**

Murray Energy Corp.

**Section 5**

**ANDALEX RESOURCES, INC.**

P.O. Box 910

East Carbon, Utah 84520

**Officers:**

		<u>Begin</u>	<u>End</u>
David W. Hibbs	President	12/11/09	
Peter J. Vuljanic	Interim President	11/06/09	12/11/09
P. Bruce Hill	President and Chief Executive Officer	12/16/06	11/05/09
Douglas H. Smith	President	03/07/94	12/16/06
Robert D. Moore	Treasurer	08/18/06	
Michael O. McKown	Secretary	08/18/06	

**Former Officers/Directors:**

Peter B. Green	Director	01/05/98	08/18/06
Peter B. Green	CB	05/11/90	08/18/06
Peter B. Green	CEO	05/11/90	08/18/06
Ronald C. Beedie	Director	01/05/88	08/18/06
John Bradshaw	Secretary	02/05/90	08/18/06
John Bradshaw	Vice-President	02/05/90	08/18/06
Douglas H. Smith	Director	03/07/94	08/18/06
Samuel C. Quigley	Vice-President	02/24/95	08/18/06
Andalex Hungary Ltd.	Shareholder	12/28/20	08/18/06
Alexander Harold Samuel Green	Director	01/11/02	08/18/06

**Directors:**

Robert E. Murray		08/18/06	
P. Bruce Hill		08/18/06	11/05/09
David W. Hibbs		12/11/09	

**Owner:**

UtahAmerican Energy, Inc.	100%	08/18/06	
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**MSHA Numbers**

Apex Mine	42-01750
Pinnacle Mine	42-01474
Aberdeen Mine	42-02028
Wildcat Loadout	42-01864

**Section 6**

**AMCA COAL LEASING, INC.**

P.O. Box 910

East Carbon, Utah 84520

**Appointment of Officers:**

		<u>Begin</u>	<u>End</u>
David W. Hibbs	President	12/11/09	
Peter J. Vuljanic	Interim President	11/06/09	12/11/09
P. Bruce Hill	President and Chief Executive Officer	12/16/06	11/05/09
Douglas H. Smith	President	08/18/06	12/16/06
Robert D. Moore	Treasurer	08/18/06	
Michael O. McKown	Secretary	08/18/06	

**Directors:**

Robert E. Murray	08/18/06	
P. Bruce Hill	08/18/06	11/05/09
David W. Hibbs	12/11/09	

**Owner:**

Andalex Resources, Inc., 100% ownership

**Section 7**

**ANDALEX RESOURCES MANAGEMENT, INC.**

P.O. Box 910

East Carbon, Utah 84520

**Appointment of Officers:**

		<u>Begin</u>	<u>End</u>
Davis W. Hibbs	President	12/11/09	
Peter J. Vuljanic	Interim President	11/06/09	12/11/09
Douglas H. Smith	President	08/18/06	12/16/06
P. Bruce Hill	President and Chief	12/16/06	11/05/09
Robert D. Moore	Treasurer	08/18/06	
Michael O. McKown	Secretary	08/18/06	

**Directors:**

Robert E. Murray	08/18/06	
P. Bruce Hill	08/18/06	11/05/09
David W. Hibbs	12/11/09	

**Shareholders:**

Andalex Resources, Inc.	100%
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## Section 8

### **GENWAL RESOURCES, INC.**

P.O. Box 910

East Carbon, Utah 84520

#### Officers:

		<u>Begin</u>	<u>End</u>
David W. Hibbs	President	12/11/09	
Peter J. Vuljanic	Interim President	11/06/09	12/11/09
Douglas H. Smith	President	08/18/06	12/16/06
P. Bruce Hill	President and Chief Executive Officer	12/16/06	11/05/09
Robert D. Moore	Treasurer	08/18/06	
Michael O. McKown	Secretary	08/18/06	

#### Directors:

Robert E. Murray	08/18/06	
P. Bruce Hill	08/18/06	11/05/09
David W. Hibbs	12/11/09	

#### Former Directors:

Peter B. Green		08/09/06
Ronald C. Beedie		08/09/06
Douglas H. Smith		08/18/06
Gordon Ulrich		10/30/96

#### Former Officers:

Peter B. Green	Chairman & CEO	08/09/06
Samuel C. Quigley	Vice President	08/18/06
John Bradshaw	Vice President	05/17/05
John Bradshaw	Secretary & Treasurer	08/18/06
Douglas H. Smith	President	12/16/06

#### Owner:

ANDALEX Resources, Inc. is and remains the sole shareholder of Genwal Resources, Inc.<sup>1</sup>

#### MSHA Numbers

Crandall Canyon Mine 42-01715

I Intermountain Power Agency holds, as a tenant in common, an undivided 50% interest in certain real property interests regarding the Crandall Canyon Mine.

**Section 9**

**WEST RIDGE RESOURCES, INC.<sup>I</sup>**

P.O. Box 910

East Carbon, Utah 84520

**Officers:**

		<u>Begin</u>	<u>End</u>
David W. Hibbs	President	12/11/09	
Peter J. Vuljanic	Interim President	11/06/09	12/11/09
Douglas H. Smith	President	08/18/06	12/16/06
P. Bruce Hill	President and CEO	12/16/06	11/05/09
Robert D. Moore	Treasurer	08/18/06	
Michael O. McKown	Secretary	08/18/06	

**Directors:**

Robert E. Murray		08/18/06	
P. Bruce Hill		08/18/06	11/05/09
David W. Hibbs		12/11/09	

**Owner:**

Andalex Resources, Inc.<sup>II</sup> 100%

**Former Directors**<sup>III</sup>

	<u>Begin Date</u>	<u>End Date</u>
Peter B. Green	04/01/98	08/09/06
Ronald C. Beedie	04/01/98	08/09/06
Douglas H. Smith	04/01/98	09/18/06

**Former Officers**<sup>VV</sup>

	<u>Position</u>	<u>Begin Date</u>	<u>End Date</u>
Peter B. Green	Chairman & CEO	04/15/98	08/09/06
Samuel C. Quigley	Vice President	04/15/98	08/18/06
John Bradshaw	Secretary	04/15/98	08/18/06
Douglas H. Smith	President	04/15/98	12/16/06

**MSHA Number** West Ridge Mine 42-022444

I WEST RIDGE Resources, Inc. ("WRRRI") was formed on March 10, 1998. No actions of WRRRI occurred before that date.

II ANDALEX Resources is (and remains) the sole shareholder of WRRRI. WRRRI and the Intermountain Power Agency hold certain real property interests as tenants in common, each owning a 50% interest therein.

III The initial directors of WRRRI (as shown above) were appointed on April 1, 1998; the "Begin Date[s]" for each such director shown on the OFT form are incorrect.

VV The initial officers of WRRRI (as shown above) were appointed on April 15, 1998; the "Begin Date[s]" for each such officer shown on the OFT form are incorrect. Also, Christopher G. Van Bever never served as an officer of WRRRI; the information shown on the OFT form to the contrary is incorrect.

**Section 10**

**INTERMOUNTAIN POWER AGENCY**

(Tenant in Common, 50% undivided interest; West Ridge Mine Permit C/007/041; Crandall Canyon Mine Permit C/015/032)<sup>I</sup>

10653 South River Front Parkway, Suite 120

South Jordan, Utah 84095

(801) 938-1333

**Appointment of Officers:**

Ray Farrell	Chairman	12/1998
R. Leon Bowler	Vice-Chairman	12/1984
Ted L. Olson	Secretary	01/2002
Russell F. Fjeldsted	Treasurer	03/2007

**Directors:**

	<u>Begin Date</u>	<u>End Date</u>
R. Leon Bowler	06/1977	
Ray Farrell	11/1978	
Clifford C. Michaelis <sup>II</sup>	01/1988	06/2007
Ted L. Olson	01/1990	
Russell F. Fjeldsted	01/1992	
Walter Meacham	01/1999	
Gary O. Merrill	01/2002	06/2007
Robert O. Christiansen	06/2007	
Ed Collins	06/2007	

I Intermountain Power Agency holds, as a tenant in common, an undivided 50% interest in certain real property interests regarding the West Ridge Mine and the Crandall Canyon Mine.

II Replacing controller Dan R. Eldredge, serving from April 11, 1988 to January 1990.

Name and address of IPA's general manager:

Jim Hewlett  
Intermountain Power Agency  
10653 South River Front Parkway, Suite 120  
South Jordan, Utah 84095  
Telephone (801) 938-1333  
Assumed position December 1, 2007

Resident Agent for IPA:

Mark Buchi  
Holme, Roberts, and Owen  
299 South Main, Suite 1800  
Salt Lake City, Utah 84111  
Assumed position January, 1988

IPA Designated representative to the Crandall Canyon Project and West Ridge Project Management Boards:

Nick Kezman  
Operating Agent  
Los Angeles Department of Water & Power  
111 North Hope Street, Room 1263  
Los Angeles, California 90012-2694  
Telephone (213) 367-0286

Principle Shareholders of IPA:

IPA has no shareholders. IPA is a political subdivision of the State of Utah created under the Interlocal Cooperation Act, Title II, Chapter 13, Utah Code Ann. 1953, as amended, and as such, has not issued stock.

**Section 11**

**MURRAY ENERGY AFFILIATE COMPANIES**

- A. AMCOAL HOLDINGS, INC.**  
101 Prosperous Place, Suite 125  
Lexington, Kentucky 40509
- B. THE AMERICAN COAL COMPANY**  
P. O. Box 727  
Harrisburg, Illinois 62946
- C. THE AMERICAN COAL SALES COMPANY**  
29325 Chagrin Boulevard, Suite 300  
Pepper Pike, Ohio 44122
- D. AMERICAN COMPLIANCE COAL, INC.**  
29325 Chagrin Boulevard, Suite 300  
Pepper Pike, Ohio 44122
- E. AMERICAN ENERGY CORPORATION**  
43521 Mayhugh Hill Road  
Township Highway 88  
Beallsville, Ohio 43716
- F. ANCHOR LONGWALL AND REBUILD, INC.**  
One Industrial Park Drive  
Wheeling, West Virginia 26003
- G. AVONMORE RAIL LOADING, INC.**  
125 Old Farm Drive,  
Pittsburgh, PA 15239
- H. BELMONT COAL, INC.**  
P. O. Box 146  
Powhatan, Ohio 43942
- I. CANTERBURY COAL COMPANY**  
125 Old Farm Drive  
Pittsburgh, PA 15239

- J. COAL RESOURCES HOLDINGS CO.**  
29325 Chagrin Boulevard, Suite 300  
Pepper Pike, Ohio 44122
- K. COAL RESOURCES, INC.**  
29325 Chagrin Boulevard, Suite 300  
Pepper Pike, Ohio 44122
- L. CONSOLIDATED LAND COMPANY**  
29325 Chagrin Boulevard, Suite 300  
Pepper Pike, Ohio 44122
- M. ENERGY RESOURCES, INC.**  
P. O. Box 259  
R. D.#2, Fermantown Road  
Brockway, PA 15824
- N. KENAMERICAN RESOURCES, INC.**  
101 Prosperous Place, Suite 125  
Lexington, Kentucky 40509
- O. MAPLE CREEK MINING, INC.**  
981 Route 917  
Bentleyville, Pennsylvania 15314
- P. MILL CREEK MINING COMPANY**  
P. O. Box 259  
R. D. #2, Fermantown Road  
Brockway, PA 15824
- Q. MONVALLEY TRANSPORTATION CENTER, INC.**  
P. O. Box 135  
1060 Ohio Avenue  
Glassport, Pennsylvania 15045
- R. OHIOAMERICAN ENERGY INCORPORATED**  
29325 Chagrin Boulevard, Suite 300  
Pepper Pike, Ohio 44122

- S. THE OHIO VALLEY COAL COMPANY**  
29325 Chagrin Boulevard, Suite 300  
Pepper Pike, Ohio 44122
  
- T. OHIO VALLEY RESOURCES, INC.**  
29325 Chagrin Boulevard, Suite 300  
Pepper Pike, Ohio 44122
  
- U. THE OHIO VALLEY TRANSLOADING COMPANY**  
56854 Pleasant Ridge Road  
Alledonia, Ohio 43902
  
- V. THE OKLAHOMA COAL COMPANY**  
29325 Chagrin Boulevard, Suite 300  
Pepper Pike, Ohio 44122
  
- W. ONEIDA COAL COMPANY, INC.**  
29325 Chagrin Boulevard, Suite 300  
Pepper Pike, Ohio 44122
  
- X. PENNAMERICAN COAL, INC.**  
125 Old Farm Drive  
Pittsburgh, PA 15239
  
- Y. PENNAMERICAN COAL LP**  
125 Old Farm Drive  
Pittsburgh, PA 15239
  
- Z. PENNSYLVANIA TRANSLOADING, INC.**  
29325 Chagrin Boulevard, Suite 300  
Pepper Pike, Ohio
  
- AA. PINSKI CORP.**  
125 Old Farm Drive  
Pittsburgh, PA 15239
  
- BB. SPRING CHURCH COAL COMPANY**  
125 Old Farm Drive  
Pittsburgh, PA 15239

**CC. SUNBURST RESOURCES, INC.**

586 National Road  
Wheeling, West Virginia 26003

**DD. TDK COAL SALES, INCORPORATED**

P. O. Box 259  
R. D. #2, Fermantown Road  
Brockway, PA 15824

**EE. UMCO ENERGY, INC.**

29325 Chagrin Boulevard, Suite 300  
Pepper Pike, Ohio 44122

**FF. WEST VIRGINIA RESOURCES, INC.**

953 National Road, Suite 207  
Wheeling, West Virginia 26003

**GG. MURRAY AMERICAN ENERGY, INC.**

29325 Chagrin Boulevard, Suite 300  
Pepper Pike, Ohio 44122

**A. AMCOAL HOLDINGS, INC.**  
101 Prosperous Place, Suite 125  
Lexington, Kentucky 40509

Officers:

		<u>Begin</u>	<u>End</u>
Robert E. Murray	President	05/23/03	
P. Bruce Hill	Vice President – Human Resources	10/01/98	10/03/09
Robert D. Moore	Treasurer	10/01/98	
Michael O. McKown	Secretary	03/01/05	
Jeffrey L. Cash	Assistant Treasurer	11/01/99	

Incorporation Information:

State of Incorporation: Ohio;  
Charter No. 1007981

Date of Incorporation: June 12, 1998

ID #34-1867389

Shareholders: Murray Energy Corporation

Directors: Robert E. Murray

**B. THE AMERICAN COAL COMPANY**  
P. O. Box 727  
Harrisburg, Illinois 62946

Officers:

Robert E. Murray	President	11/02/02
John R. Forrelli	Vice President	09/07/04
Michael O. McKown	Vice President, General Counsel and Secretary	03/15/99 03/01/05
Robert D. Moore	Treasurer	10/01/98
Jeffrey L. Cash	Assistant Treasurer and Assistant Secretary	11/01/99 06/01/01

Incorporation Information:

State of Incorporation Delaware;  
Charter No. 2881631

Date of Incorporation June 2, 1998

ID #73-1543124

Shareholders: AmCoal Holdings, Inc.

Directors: Robert E. Murray

**C. THE AMERICAN COAL SALES COMPANY**  
29325 Chagrin Boulevard, Suite 300  
Pepper Pike, Ohio 44122

Officers:

		<u>Begin</u>	<u>End</u>
Robert E. Murray	Chief Executive Officer	11/11/88	
B. J. Cornelius	President	09/08/95	
Edwin D. Lane	Vice President	11/01/99	
William E. Hollars	Vice President	03/01/05	
Richard Rice	Vice President	11/11/88	11/01/99
Michael O. McKown	Secretary	03/01/05	
Steven C. Ellis	Secretary	11/10/88	03/01/05
James R. Turner, Jr.	Treasurer and Assistant Secretary	03/01/05	
Duane A. Smith	Assistant Treasurer and Assistant Secretary	06/25/01 06/25/01	01/03/06
Brenda L. Murray	Assistant Secretary	09/08/95	06/25/01

Incorporation Information:

State of Incorporation Ohio; Charter No. 727836  
Date of Incorporation June 29, 1988  
ID #34-1603699

Shareholder: Coal Resources, Inc.

Directors: Robert E. Murray 09/08/95

**D. AMERICAN COMPLIANCE COAL, INC.**  
29325 Chagrin Boulevard, Suite 300  
Pepper Pike, Ohio 44122

Officers:

		<u>Begin</u>	<u>End</u>
Stanley T. Piasecki	President	03/01/05	
Charles E. Shestak	Vice President	03/10/03	
Michael O. McKown	Secretary	03/01/05	
Robert D. Moore	Treasurer and Assistant Secretary	06/25/01 06/25/01	
Elmer A. Mottillo	Assistant Treasurer	08/22/03	05/31/08
Robert L. Putsock	Assistant Treasurer	06/01/08	

Former Officers:

Clyde I. Borrell	President	06/02/97	03/01/05
William W. Taft	Secretary	05/24/94	03/01/05

Incorporation Information:

State of Incorporation Colorado;  
Charter No. 19941059260

Date of Incorporation May 24, 1994

ID #34-1797161

Shareholder:

Murray Energy Corporation (100%)	06/1/01	
Robert E. Murray	05/24/94	06/01/01

Director:

Robert E. Murray	05/24/94
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**E. AMERICAN ENERGY CORPORATION**  
43521 Mayhugh Hill Road  
Township Highway 88  
Beallsville, Ohio 43716

Officers:

		<u>Begin</u>	<u>End</u>
Robert E. Murray	President	12/15/04	
Robert D. Moore	President	06/25/01	12/15/04
Michael O. McKown	Secretary	11/01/99	
James R. Turner, Jr.	Treasurer	03/1/05	
Robert D. Moore	Treasurer	06/25/01	12/15/04
Robert L. Putsock	Assistant Treasurer	01/27/04	

Incorporation Information:

State of Incorporation      Ohio;  
Charter No. 00842695

Date of Incorporation      April 12, 1993  
ID #31-1550443

Shareholder:              Murray Energy Corporation  
(100%)

Director:

Robert E. Murray	12/15/04	
P. Bruce Hill	07/02/01	12/15/04

**F. ANCHOR LONGWALL AND REBUILD, INC.**  
One Industrial Park Drive  
Wheeling, West Virginia 26003

Officers:

		<u>Begin</u>	<u>End</u>
P. Bruce Hill	President and Assistant Secretary	02/16/99	11/10/06
Chad Underkoffler	President	02/16/99	
Michael O. McKown	Secretary	11/10/06	
James R. Turner, Jr.	Treasurer	11/01/99	
Duane A. Smith	Assistant Secretary	09/16/05	
		11/01/99	01/03/06

Incorporation Information:

State of Incorporation                      West Virginia;  
Charter No. 00961100093212818

Date of Incorporation                      April 18, 1996

ID #55-0749933

Shareholder:                                      Coal Resources, Inc.

I.D. # 34-1586390  
Address: 29325 Chagrin  
Boulevard  
Suite 300  
Pepper Pike, OH 44122

Director:    Charles E. Shestak                                      11/01/99

**G. AVONMORE RAIL LOADING, INC.**  
125 Old Farm Drive,  
Pittsburgh, PA 15239

Officers:

		<u>Begin</u>	<u>End</u>
[VACANT]	President		
Robert D. Moore	Treasurer	06/25/01	
Michael O. McKown	Secretary	03/1/05	
Robert L. Putsock	Assistant Treasurer	01/02/03	
James R. Turner, Jr.	Assistant Secretary	05/31/08	
Elmer A. Mottillo	Assistant Secretary	01/02/03	05/31/08

Incorporation Information:

State of Incorporation Delaware;  
Charter No. 0798860

Date of Incorporation February 19, 1974  
Qualified May 6, 1974  
Pennsylvania;  
PA Entity #000302999

ID #25-1253970

Shareholder: Mill Creek Mining Company

Director: Charles E. Shestak

**H. BELMONT COAL, INC.**  
P. O. Box 146  
Powhatan, Ohio 43942

Officers:

		<u>Begin</u>	<u>End</u>
Robert D. Moore	President	06/25/01	
Maynard St. John	Vice-President	01/02/02	06/26/02
James R. Turner, Jr.	Secretary/Treasurer	09/16/05	
Kristi D. Brown	Secretary/Treasurer	11/08/01	09/16/05

Incorporation Information:

State of Incorporation Ohio;  
Charter No. 00842697

Date of Incorporation April 12, 1993

ID #31-1536602

Shareholder:

Murray Energy Corporation (100%)	06/01/01	
Robert E. Murray	04/19/93	06/01/01

Director:

Duane A. Smith	04/12/93	12/15/06
Robert E. Murray	12/15/06	

**I. CANTERBURY COAL COMPANY**  
125 Old Farm Drive  
Pittsburgh, PA 15239

Officers:

Robert D. Moore	President & Treasurer	05/26/07
Michael O. McKown	Secretary	05/26/07
Robert L. Putsock	Asst Treasurer	01/02/03
James R. Turner, Jr.	Asst Secretary	06/01/08
Neil M. Kok	Vice President	03/08/2010

Incorporation Information:

State of Incorporation	Pennsylvania; PA Entity #000055242
Date of Incorporation	July 26, 1963
ID #25-1127473	

Shareholder: Mill Creek Mining Company  
(100%)

Director: Charles E. Shestak

**J. COAL RESOURCES HOLDINGS CO.**

29325 Chagrin Boulevard, Suite 300

Pepper Pike, Ohio 44122

Officers:

		<u>Begin</u>	<u>End</u>
Robert E. Murray	President, CEO, Chairman	03/01/05	
Michael D. Loiacono	Treasurer	01/28/05	
	CFO	12/20/05	04/23/07
Robert D. Moore	CFO	04/23/07	
Scott A. Boyle	Chief Financial Officer	10/29/05	12/20/05
P. Bruce Hill	Secretary	03/01/05	11/01/05
Michael O. McKown	Secretary	11/06/09	
Robert L. Putsock	Assistant Secretary and Assistant Treasurer	06/25/01	
	Treasurer	06/25/01	
Michael D. Loicano	Treasurer	01/28/05	

Incorporation Information:

State of Incorporation Delaware;  
Charter No. 3676954

Date of Incorporation June 27, 2003

ID #20-0100479

Shareholder: Murray American Energy, Inc.

Director: Robert E. Murray 06/27/03

**K. COAL RESOURCES, INC.**  
 29325 Chagrin Boulevard, Suite 300  
 Pepper Pike, Ohio 44122

Officers:

		<u>Begin</u>	<u>End</u>
Robert E. Murray	Chairman, President and Chief Executive Officer	03/01/05	
Michael D. Loiacono	Treasurer	06/27/03	
	CFO	12/20/05	04/23/07
Robert D. Moore	Senior Vice President & CFO	09/11/07	
Scott A. Boyle	Chief Financial Officer	10/17/05	12/20/05
P. Bruce Hill	Secretary	03/01/05	11/01/05
Michael O. McKown	Vice President, General Counsel & Secretary	07/16/07	
Robert L. Putsock	Assistant Secretary and Assistant Treasurer	06/25/01	06/25/01
Robert Edward Murray	Vice President	09/11/07	
Ryan M. Murray	Vice President	09/11/07	
John R. Forrelli	Vice President	09/11/07	
Roy A. Heidelbach	Asst. Vice President	09/11/07	
G. Christopher Van Bever	Asst. Secretary	10/22/07	

Incorporation Information:

State of Incorporation: Ohio;  
 Charter No. 717546

Date of Incorporation: January 29, 1988

ID #34-1586390

Shareholder:

Coal Resources Holdings Co.	10/21/03	
Robert E. Murray	01/29/88	10/21/03

Directors:

Robert E. Murray	05/24/88	
Henry W. Fayne	02/05	
Richard L. Lawson	02/05	
Robert D. Moore	04/23/07	
Andrew Weissman	10/20/03	08/27/09

**L. CONSOLIDATED LAND COMPANY**  
29325 Chagrin Boulevard, Suite 300  
Pepper Pike, Ohio 44122

Officers:

		<u>Begin</u>	<u>End</u>
Robert D. Moore	President	08/11/04	
Robert D. Moore	Treasurer	06/25/01	
Robert L. Putsock	Assistant Secretary	06/08/08	
Michael O. McKown	Secretary	03/01/05	
Elmer A. Mottillo	Assistant Secretary	08/22/03	05/31/08

Incorporation Information:

State of Incorporation Ohio;  
Charter No. 00842696

Date of Incorporation April 12, 1993

ID #34-1769562

Shareholder: Murray Energy Corporation 06/01/01  
(100%)

Director: Robert D. Moore 08/11/04

**M. ENERGY RESOURCES, INC.**

P. O. Box 259  
R. D.#2, Fermantown Road  
Brockway, PA 15824

Officers:

		<u>Begin</u>	<u>End</u>
Stanley T. Piasecki	President and Chief Executive Officer	08/11/04	
Elmer A. Mottillo	Treasurer	08/22/03	05/30/08
James R. Turner	Treasurer	06/01/08	
Michael O. McKown	Secretary	03/01/05	
Charles E. Shestak	Assistant Secretary	04/30/93	

Incorporation Information:

State of Incorporation      Pennsylvania;  
PA Entity #762734

Date of Incorporation      September 14, 1982

ID #31-1044044

Shareholder:      Mill Creek Mining Company

Director:      Stanley T. Piasecki      08/11/04

**N. KENAMERICAN RESOURCES, INC.**  
101 Prosperous Place, Suite 125  
Lexington, Kentucky 40509

Officers:

		<u>Begin</u>	<u>End</u>
Mark Nelson	President	03/18/09	
Robert N. Sandidge	President	12/16/06	12/08/08
Dennis W. Bryant	President/Manager	10/01/05	12/16/06
B. J. Cornelli	Senior Vice-President--Sales	11/01/05	
James R. Turner, Jr.	Treasurer	03/01/05	
Robert D. Moore	Assistant Treasurer	03/01/05	
Michael O. McKown	Secretary	02/13/06	

Incorporation Information:

State of Incorporation      Kentucky;  
Charter No. 0331655

Date of Incorporation      June 9, 1994

ID #61-1264385

Shareholder:              Mill Creek Mining Company

Director:                  Robert E. Murray              06/01/05

**O. MAPLE CREEK MINING, INC.**  
981 Route 917  
Bentleyville, Pennsylvania 15314

Officers:

		<u>Begin</u>	<u>End</u>
[VACANT]	President	11/02/09	
Paul B. Piccolini		04/28/06	09/11/08
Ronnie D. Dietz	Vice President and Treasurer	03/01/05	
[VACANT]	Secretary		
Michael B. Gardner	Secretary	03/01/05	05/01/07
Roberta K. Heil	Assistant Secretary	11/01/99	

Incorporation Information:

State of Incorporation      Pennsylvania;  
PA Entity #2607113

Date of Incorporation      November 9, 1994

ID #25-1755305

Shareholder:      Sunburst Resources, Inc.      01/11/95

Director:      Robert E. Murray

**P. MILL CREEK MINING COMPANY**

P. O. Box 259

R. D. #2, Fermantown Road

Brockway, PA 15824

Officers:

		<u>Begin</u>	<u>End</u>
Charles E. Shestak	President	08/18/98	
James R. Turner, Jr.	Treasurer	03/1/05	
Robert D. Moore	Treasurer	06/25/01	03/01/05
Robert D. Moore	Assistant Treasurer	03/01/05	
Michael O. McKown	Secretary	03/01/05	
Michael E. Elliott	Secretary	08-18-98	03/01/05
Robert L. Putsock	Assistant Secretary and Assistant Treasurer	06/25/01 06/25/01	

Incorporation Information:

State of Incorporation                      Pennsylvania;  
PA Entity #0007447787

Date of Incorporation                      December 1, 1981

Certificate of Amendment                July 7, 1988;  
#8854525

ID #31-1040986

Shareholder:                              Coal Resources, Inc.

Director:                                  Robert E. Murray                      05/14/04

**Q. MONVALLEY TRANSPORTATION CENTER, INC.**

P. O. Box 135  
1060 Ohio Avenue  
Glassport, Pennsylvania 15045

Officers:

Paul B. Piccolini	President	04/28/06
James R. Turner, Jr.	Secretary and Treasurer	03/01/05

Incorporation Information:

State of Incorporation	Pennsylvania; PA Entity #856918
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Date of Incorporation	February 15, 1985
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ID #25-1490495

Shareholders:

Pennsylvania Transloading, Inc.

Directors:

Robert E. Murray and	08/28/05
Michael D. Loiacono	11/01/99

**R. OHIOAMERICAN ENERGY INCORPORATED**  
29325 Chagrin Boulevard, Suite 300  
Pepper Pike, Ohio 44122

Officers:

		<u>Begin</u>	<u>End</u>
[VACANT]	President		
D. Michael Jamison		05/01/05	12/01/07
Stanley T. Piasecki	Vice President	12/01/07	
Mark D. Nelson	Vice President	12/01/07	
Michael O. McKown	Secretary	05/02/05	
Robert D. Moore	Treasurer	05/02/05	
Robert L. Putsock	Assistant Treasurer	06/01/08	
Elmer A. Mottillo	Assistant Treasurer	06/30/06	06/01/08

Incorporation Information:

State of Incorporation	Ohio
Date of Incorporation	February 1, 2005
ID # 20-3044610	Ohio Charter No. 1518533

Director: Robert E. Murray 05/01/05

Shareholder: Murray Energy Corporation 05/01/05

**S. THE OHIO VALLEY COAL COMPANY**  
29325 Chagrin Boulevard, Suite 300  
Pepper Pike, Ohio 44122

Officers:

		<u>Begin</u>	<u>End</u>
[VACANT]	President	11/04/05	
Paul B. Piccolini	Vice President	01/01/07	
Ronnie D. Dietz	Treasurer, Assistant Secretary, Corporate Comptroller	03/01/05	
[VACANT]	Secretary	05/01/07	
Michael B. Gardner	Secretary	03/01/05	05/01/07
Roberta K. Heil	Assistant Secretary	11/01/99	
Bonnie M. Froehlich	Assistant Secretary and Assistant Treasurer	06/25/01 06/25/01	

Incorporation Information:

State of Incorporation Ohio;  
Charter No. 384971

Date of Incorporation June 6, 1969

Certificate of Amendment October 4, 1988;  
#201274

ID #34-1041310

Shareholder: Ohio Valley Resources, Inc.

Director: Robert E. Murray 03/10/95

**T. OHIO VALLEY RESOURCES, INC.**  
 29325 Chagrin Boulevard, Suite 300  
 Pepper Pike, Ohio 44122

Officers:

		<u>Begin</u>	<u>End</u>
Paul B. Piccolini	President	04/28/06	
John Forrelli	President	11/01/99	04/28/06
Ronnie D. Dietz	Treasurer, Assistant Secretary, Corporate Comptroller	03/01/05	
Michael D. Loiacono	Treasurer, Assistant Secretary, Corporate Comptroller	03/10/95	04/28/06
[VACANT]	Secretary	05/01/07	
Stephen Ellis	Secretary	03/10/95	03/01/05

Incorporation Information:

State of Incorporation      Ohio;  
    Charter No. 721514

Date of Incorporation      March 29, 1988

ID #34-1586391

Shareholders:

Murray Energy Corporation    06/01/01  
 (100%)

Robert E. Murray                03/10/95                06/01/01

Director:

Robert E. Murray                11/01/99

**U. THE OHIO VALLEY TRANSLOADING COMPANY**  
56854 Pleasant Ridge Road  
Alledonia, Ohio 43902

Officers:

		<u>Begin</u>	<u>End</u>
[VACANT]	President	11/04/05	
Paul B. Piccolini	Vice-President	01/01/07	
Ronnie D. Dietz	Treasurer, Assistant Secretary, Corporate Comptroller	03/01/05	
Michael B. Gardner	Secretary	03/01/05	05/01/07
Roberta K. Heil	Assistant Secretary	9/01/00	no end date

Incorporation Information:

State of Incorporation . . . . . Ohio;  
Charter No. 727835

Date of Incorporation . . . . . June 29, 1988

ID #34-1611209

Shareholder: . . . . . Ohio Valley Resources, Inc.

Director: . . . . . Robert E. Murray . . . . . 04/06/93

**V. THE OKLAHOMA COAL COMPANY**

29325 Chagrin Boulevard, Suite 300  
Pepper Pike, Ohio 44122

Officers:

		<u>Begin</u>	<u>End</u>
Paul B. Piccolini	President	04/28/06	
Gregory C. Smith	President	11/01/99	04/28/06
Michael O. McKown	Secretary	03/01/05	
Gregory A. Gorospe	Secretary	09/15/94	11/01/99
James R. Turner, Jr.	Treasurer and Assistant Secretary	03/01/05	
Kathleen Bednarek	Treasurer	06/20/00	06/26/00
Robert L. Putsock	Assistant Secretary	01/10/03	
Kathleen Bednarek	Assistant Secretary	09/03/96	06/26/00

Incorporation Information:

State of Incorporation Oklahoma;  
Charter No. DB00477836

Date of Incorporation April 17, 1989

Licensed in Ohio February 27, 1991;  
FL 790739

ID #34-1673480

Shareholder: The American Coal Sales Company

Director: Robert E. Murray 04/17/92

**W. ONEIDA COAL COMPANY, INC.**  
29325 Chagrin Boulevard, Suite 300  
Pepper Pike, Ohio 44122

Officers:

		<u>Begin</u>	<u>End</u>
Robert D. Moore	President and	06/25/01	
	Treasurer	11/01/99	
Robert L. Putsock	Assistant Secretary	06/25/01	
Michael O. McKown	Secretary	03/1/05	

Former Officers:

John Blaine Earles	Vice-President	02/28/92	07/02/93
Tivis Arnold Graybeal	Secretary	02/28/92	04/28/94
Anthony Carl Laplaca	Secretary	04/28/94	11/1/99
Joseph R. Bourgo	Vice-President	09/01/92	10/20/00
Joseph R. Bourgo	Treasurer	04/28/94	10/20/00
Norma Jean Mccourt	Assistant Secretary	04/28/94	11/01/99

Incorporation Information:

State of Incorporation      West Virginia;  
Charter No.  
00000020004097TAX

Date of Incorporation      August 29, 1983

ID #62-1011712

Shareholder:              West Virginia Resources, Inc. 2/28/92  
(100%)

Director:                  Robert E. Murray              02/18/92

**X. PENNAMERICAN COAL, INC.**  
125 Old Farm Drive  
Pittsburgh, PA 15239

Officers:

Robert D. Moore	President,	08/28/07
	Treasurer and Secretary	06/25/01
Robert L. Putsock	Assistant Secretary	06/25/01

Incorporation Information:

State of Incorporation      Pennsylvania;  
PA Entity #2545905

Date of Incorporation      September 13, 1993

ID #25-1722115

Shareholder:                      Mill Creek Mining Co.                      11/08/93

Director:                              Robert E. Murray

**Y. PENNAMERICAN COAL LP**  
125 Old Farm Drive  
Pittsburgh, PA 15239

Partners:

Pinski Corp.	Managing Partner	08/19/96
PennAmerican Coal, Inc.	Limited Partner	07/08/98

EIN# 25-1800809  
Partnership Effective 07/08/98

**Z. PENNSYLVANIA TRANSLOADING, INC.**  
29325 Chagrin Boulevard, Suite 300  
Pepper Pike, Ohio 44122

Officers:

		<u>Begin</u>	<u>End</u>
Paul B. Piccolini	President	04/28/06	
James R. Turner, Jr.	Treasurer	09/01/08	
Michael O. McKown	Secretary	03/01/05	

Incorporation Information:

State of Incorporation            Ohio;  
   Charter No. 736747

Date of Incorporation            November 18, 1988

Qualified:                            Pennsylvania;  
   December 28, 1988

Certificate of Authority            No. 8898868

ID #34-1603748

Shareholder:                        Sunburst Resources, Inc.            04/01/96  
   (100%)

Director:                             Robert E. Murray                    11/18/88

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I Sunburst Resources, Inc. has always been a shareholder and has no relation to Consolidated Land Company.

**AA. PINSKI CORP.**  
125 Old Farm Drive  
Pittsburgh, PA 15239

Officers:

[VACANT]

Robert D. Moore

Robert L. Putsock

President and General  
Manager

Treasurer and  
Secretary

Assistant Treasurer and  
Assistant Secretary

06/25/01

06/25/01

06/25/01

06/25/01

Incorporation Information:

State of Incorporation

Pennsylvania;  
PA Entity #002710766

Date of Incorporation

August 19, 1996

ID #25-1800870

Shareholder:

PennAmerican Coal, Inc.

Director:

Charles E. Shestak

**BB. SPRING CHURCH COAL COMPANY**

125 Old Farm Drive  
Pittsburgh, PA 15239

Officers:

Robert D. Moore	President	05/26/07
Robert S. Moore	Treasurer	06/25/01
Michael O. McKown	Secretary	05/26/07
Robert L. Putsock	Asst Treasurer	01/02/03
James R. Turner, Jr.	Asst Secretary	06/01/08

Incorporation Information:

State of Incorporation                      Pennsylvania;  
PA Entity #000696663

Date of Incorporation                      November 2, 1979

ID #25-1372128

Shareholder:                                      Mill Creek Mining Company

Director:    Charles E. Shestak

**CC. SUNBURST RESOURCES, INC.**  
586 National Road  
Wheeling, West Virginia 26003

Officers:

		<u>Begin</u>	<u>End</u>
Paul B. Piccolini	President	04/28/06	
Ronnie D. Dietz	Treasurer	03/01/05	
Ronnie D. Dietz	Secretary	10/26/09	
Michael B. Gardner	Secretary	03/01/05	05/01/07

Incorporation Information:

State of Incorporation      Pennsylvania;  
PA Entity #2616384

Date of Incorporation      January 10, 1995

ID #25-1766427

Shareholder:      Ohio Valley Resources, Inc.    04/01/97

Director:      Robert E. Murray

**DD. TDK COAL SALES, INCORPORATED**

P. O. Box 259

R. D. #2, Fermantown Road

Brockway, PA 15824

Officers:

		<u>Begin</u>	<u>End</u>
Stanley T. Piasecki	President and Chief Executive Officer	08/11/04	
Elmer A. Mottillo	Treasurer	08/22/03	05/31/08
James R. Turner, Jr.	Treasurer	06/01/08	
Michael O. McKown	Secretary	03/01/05	
Charles E. Shestak	Assistant Secretary	02/01/99	

Incorporation Information:

State of Incorporation                      Pennsylvania;  
PA Entity #00758582

Date of Incorporation                      June 28, 1982

ID #25-1422374

Shareholder:                              Energy Resources, Inc.

Director:                                  Stanley T. Piasecki                      08/11/04

**EE. UMCO ENERGY, INC.**  
29325 Chagrin Boulevard, Suite 300  
Pepper Pike, Ohio 44122

Officers:

		<u>Begin</u>	<u>End</u>
[VACANT]	President	11/02/09	
Paul B. Piccolini		04/28/06	09/11/08
Ronnie D. Dietz	Treasurer and Assistant Secretary	03/01/05	
[VACANT]	Secretary	05/01/07	
Michael B. Gardner		03/01/05	05/01/07
[VACANT]	Vice-President	05/01/07	
Michael B. Gardner		05/03/05	05/01/07

Incorporation Information:

State of Incorporation      Pennsylvania;  
PA Entity #1072295

Date of Incorporation      December 29, 1988

ID #52-1615668

Shareholder:      Maple Creek Mining, Inc.  
and Toni J. Southern

Director:      Robert E. Murray

**FF. WEST VIRGINIA RESOURCES, INC.**

953 National Road, Suite 207  
Wheeling, West Virginia 26003

Officers:

		<u>Begin</u>	<u>End</u>
Neil Kok	President	10/2/06	
Robert D. Moore	President	10/20/00	10/20/00
Robert E. Murray	President, CEO	12/27/91	10/20/00
Charles E. Shestak	Vice President	12/21/07	
Anne Besece	Treasurer and Secretary	10/2/06	12/01/07
Robert L. Putsock	Treasurer and Secretary	12/01/07	
	Assistant Secretary	06/25/01	10/02/06
Robert E. Murray	Treasurer	12/27/91	06/25/01
Michael O. McKown	Secretary	03/01/05	10/2/06
Anthony Carl Laplaca	Secretary	12/27/91	03/01/05

Incorporation Information:

State of Incorporation: West Virginia;  
Charter No.  
00913610154813604

Date of Incorporation: December 27, 1991

ID #55-0713676

Shareholder: Mill Creek Mining Company 12/27/91  
(100%)

Director: Robert E. Murray

**GG. MURRAY AMERICAN ENERGY, INC.**  
29325 Chagrin Boulevard, Suite 300  
Pepper Pike, Ohio 44122

Officers:

Robert D. Moore	President, Treasurer and Secretary	05/03/06
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Incorporation Information:

State of Incorporation	Wyoming; Charter No. 1998003378171
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Date of Incorporation	September 22, 1998
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ID #34-1875051

<u>Shareholder:</u>	Murray Energy Corporation
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<u>Director:</u>	Robert E. Murray
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## SECRETARY'S CERTIFICATE

I, Michael O. McKown, Secretary of West Ridge Resources, Inc. ("Company"), confirm as follows:

1. I am the duly elected and incumbent Secretary of the Company and am authorized to execute this certificate on behalf of the Company; and
2. That the enclosed ownership and control information is true and complete to the best of my information as of the date hereof.

IN WITNESS WHEREOF, I have hereunto signed my name.



Name:

Michael O. McKown

Title:

Secretary

## SECRETARY'S CERTIFICATE

I, Michael O. McKown, Secretary of Canterbury Coal Company ("Company"), confirm as follows:

1. I am the duly elected and incumbent Secretary of the Company and am authorized to execute this certificate on behalf of the Company; and
2. That the enclosed ownership and control information is true and complete to the best of my information as of the date hereof.

IN WITNESS WHEREOF, I have hereunto signed my name.

Michael O. McKown

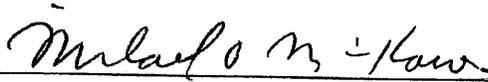
Name: Michael O. McKown  
Title: Secretary

## SECRETARY'S CERTIFICATE

I, Michael O. McKown, Secretary of Genwal Resources, Inc. ("**Company**"), confirm as follows:

1. I am the duly elected and incumbent Secretary of the Company and am authorized to execute this certificate on behalf of the Company; and
2. That the enclosed ownership and control information is true and complete to the best of my information as of the date hereof.

IN WITNESS WHEREOF, I have hereunto signed my name.



Name: Michael O. McKown  
Title: Secretary

## SECRETARY'S CERTIFICATE

I, Michael O. McKown, Secretary of Andalex Resources Management, Inc. ("Company"), confirm as follows:

1. I am the duly elected and incumbent Secretary of the Company and am authorized to execute this certificate on behalf of the Company; and
2. That the enclosed ownership and control information is true and complete to the best of my information as of the date hereof.

IN WITNESS WHEREOF, I have hereunto signed my name.



Name: Michael O. McKown  
Title: Secretary

## SECRETARY'S CERTIFICATE

I, Michael O. McKown, Secretary of AMCA Coal Leasing, Inc. ("Company"), confirm as follows:

1. I am the duly elected and incumbent Secretary of the Company and am authorized to execute this certificate on behalf of the Company; and
2. That the enclosed ownership and control information is true and complete to the best of my information as of the date hereof.

IN WITNESS WHEREOF, I have hereunto signed my name.

Michael O. McKown

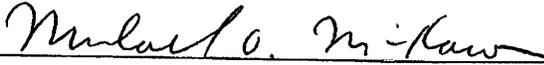
Name: Michael O. McKown  
Title: Secretary

## SECRETARY'S CERTIFICATE

I, Michael O. McKown, Secretary of Andalex Resources, Inc. ("Company"), confirm as follows:

1. I am the duly elected and incumbent Secretary of the Company and am authorized to execute this certificate on behalf of the Company; and
2. That the enclosed ownership and control information is true and complete to the best of my information as of the date hereof.

IN WITNESS WHEREOF, I have hereunto signed my name.



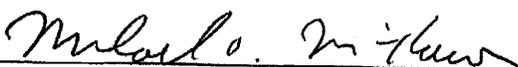
Name: Michael O. McKown  
Title: Secretary

## SECRETARY'S CERTIFICATE

I, Michael O. McKown, Secretary of UtahAmerican Energy, Inc. ("Company"), confirm as follows:

1. I am the duly elected and incumbent Secretary of the Company and am authorized to execute this certificate on behalf of the Company; and
2. That the enclosed ownership and control information is true and complete to the best of my information as of the date hereof.

IN WITNESS WHEREOF, I have hereunto signed my name.



Name: Michael O. McKown  
Title: Secretary

**CHAPTER 5 TEXT...REPLACEMENT PAGES**

**REPLACE SELECTED TEXT**

## TABLE OF CONTENTS- APPENDICES R645-301-500 CHAPTER 5

APPENDIX NUMBER	DESCRIPTION
APPENDIX 5-1	Reclamation Bond Calculations
APPENDIX 5-2	Letter from Carbon County Commission
APPENDIX 5-3	Resource Recovery and Protection Plan (R2P2)
APPENDIX 5-3A	Amended R2P2 Approval Letter (BLM)
APPENDIX 5-3B	BLM R2P2, Approval of Full Extraction of Panel #7
APPENDIX 5-4	Stability Evaluation for Construction and Reclaimed Slopes, West Ridge Mine
APPENDIX 5-5	Construction/Reclamation Plan
APPENDIX 5-6	Spill Prevention Control and Countermeasure Plan (SPCC)
APPENDIX 5-7	Pump House Reclamation and Sediment Control
APPENDIX 5-8	Letter Regarding Pre-Subsidence Survey (Mayo and Associates)
APPENDIX 5-9	Alternate Highwall Reclamation Plan
APPENDIX 5-10	SITLA Mine Plan Approval State Lease ML-47711, ML-49287 and ML 51744
APPENDIX 5-11	Grassy Trail Dam and Reservoir Mining - Induced Seismicity Report (RB&G Engineering)
APPENDIX 5-12	Grassy Trail Dam and Reservoir - Phase II Dam Safety Study (RB&G Engineering)
APPENDIX 5-13	Grassy Trail Dam Monitoring/Inspection Plan, Panel #7
APPENDIX 5-14	Bear Canyon Gob Gas Vent Hole (GVH)
APPENDIX 5-15	Catchment Structure, C Canyon Drainage

R645-301-520      OPERATION PLAN

R645-301-521      GENERAL

WEST RIDGE Resources, Inc. holds federal, state and fee coal leases in the West Ridge area of eastern Carbon County, as described in Chapter 1.. Some of the state lease and Penta Creek fee lease is not yet included within the permit area at this time and cannot be mined until the permit is amended. Refer to Map 5-4B, Mining Projections - Extended Reserves.

The mine, will consist of one longwall and two continuous miner sections. The mining sequence for the first five year term is shown on Map 5-4A, Mining Projections. Initial mine production will come from reserves located in the southeastern portion of the existing lease area. Panels will be developed to the north and south of the mains, progressing in an eastward direction. With the existing leases, the projected life of the West Ridge Mine is 15 years. After the economically recoverable reserves within the permit area have been depleted, the portals would be sealed and reclamation of the surface facility area would begin unless additional leases were acquired.

Surface facilities will be located in C Canyon, where the left and right forks converge, in a previously disturbed area. The extent of the previous disturbance includes access roads, outcrop excavations and exploration drill holes. Previous disturbance at this site is estimated to be approximately 1.62 acres. The total proposed surface disturbed area, as delineated by the tan line on the maps, amounts to approximately 29 acres. Actual anticipated disturbance for surface facilities and topsoil stockpiles (within the disturbance area) is estimated at 26.02 acres. This includes approximately 0.79 acres of Carbon County road which has been included in the disturbed area down to the C Canyon gate, and 0.23 acres for the pumphouse area located below the minesite.

An alternate (substitute) topsoil borrow area would be located about 1 ½ miles to the west of the proposed mine site on a ten acre parcel of State School Trust land. This area would not be included unless needed for final reclamation. No surface disturbance would take place at this location until the time of final reclamation. No additional acreage should be required for the project as proposed in this permit application.

No spoil, waste, noncoal waste, dams, embankments, sediment pond, water treatment or air pollution control facilities exist within the proposed permit area. A small portion of the Grassy Trail Reservoir (less than 0.6 acres) lies within a corner of the permit area.

521.130 Landownership And Right Of Entry Maps

Ownership boundaries and the names of the present owners of record for surface lands as well as underground are depicted on Maps 5-2, Surface Ownership and 5-3, Subsurface Ownership.

Map 5-4A delineates the federal, **state and fee coal leases** held by WEST RIDGE Resources, Inc., which is the area for which WEST RIDGE Resources, Inc. Resources has the legal right to enter and begin coal mining and reclamation operations. Some of the state lease and Penta Creek fee lease is not included within the permit area at this time.

Included in Appendix 5-2 is a letter from Carbon County granting WEST RIDGE Resources, Inc. permission to conduct mining operations within 100 feet of the Carbon County road. This would basically be that segment of road where the road enters the mine facility area.

Also included in Appendix 5-2 is an approval letter from Carbon County, allowing for the periodic closure of approximately 960' of the "C" Canyon Road from the gate to the original mine permit area. The permit area has been extended to the gate, as shown on Plate 4-1.

A public notice has been published providing for request for a public hearing as provided in R645-103-234. A copy of this notice is also included in Appendix 5-2.

521.140 Mine Maps And Permit Area Maps

The permit area proposed to be affected by the coal mining and reclamation operation is shown on Map 5-3. Permit renewals will be reapplied for on five year intervals.

521.141 The mining operation has been divided into five year mining blocks in an attempt to show future areas that will be mined under the permit renewals. The mining blocks are shown on Map 5-4B. All projections and timing are preliminary and general in nature and may change in the future depending on mining, marketing, environmental conditions and/or acquisition of additional state and federal reserves.

Surface support facilities in C Canyon will be utilized for the life of mine operations. The proposed mine surface facility area is depicted on Map 5-5, Surface Facility Map.

APPENDIX 5-10....SITLA APPROVAL OF MINE  
PLAN

STATE LEASE ML-47711, ML-49287 and ML-51744

ADD THIS MAP TO THE BACK OF APPENDIX 5-10

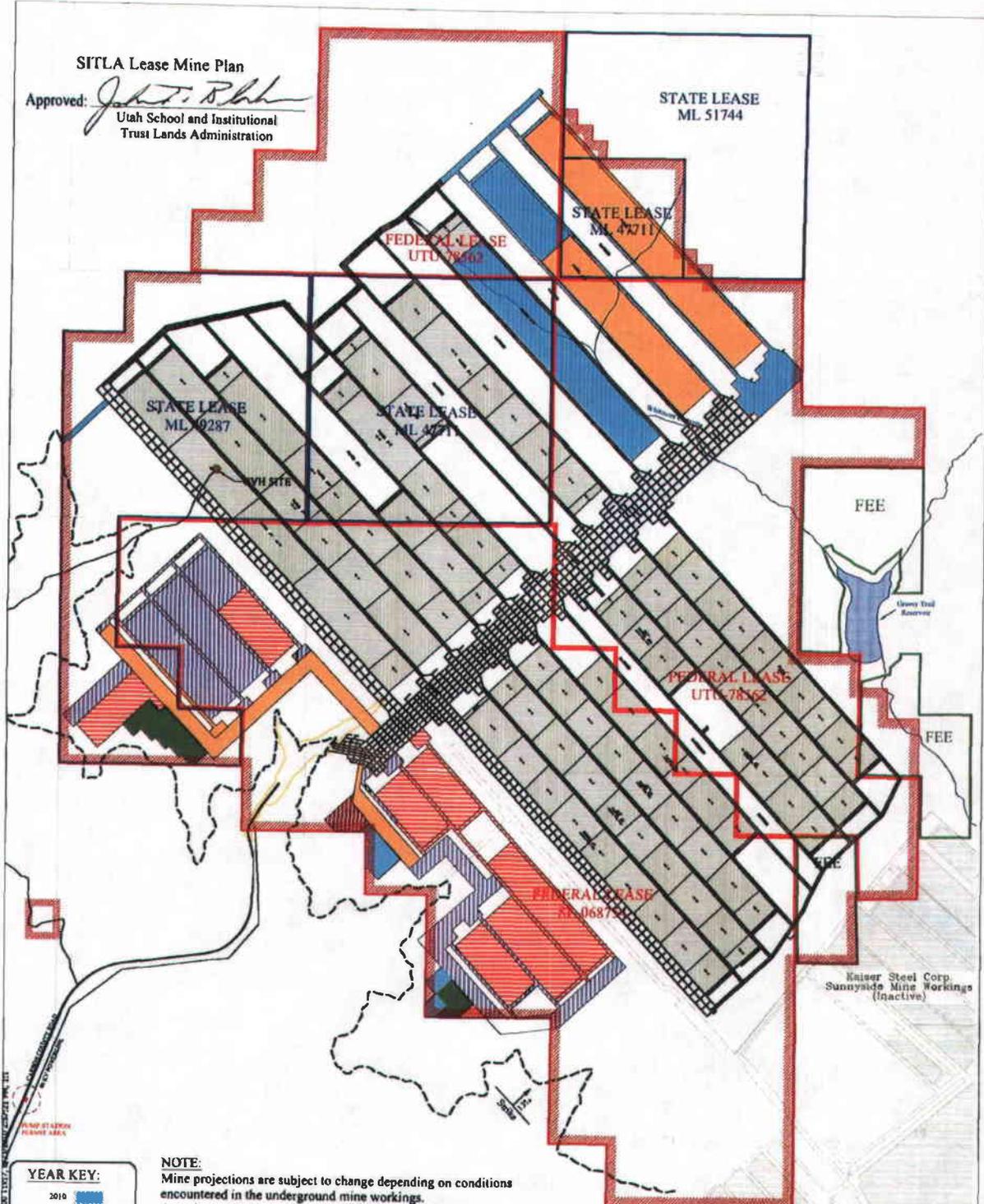
APPENDIX 5-10

SITLA APPROVAL OF MINE PLAN

STATE LEASE ML-47711, ML-49287 and ML-51744

SITLA Lease Mine Plan

Approved: *J. T. Blh*  
 Utah School and Institutional  
 Trust Lands Administration



**YEAR KEY:**

2010	[Blue box]
2011	[Orange box]
2012	[Vertical lines box]
2013	[Red box]
2014	[Black box]
2015	[Blue box]
2016	[Vertical lines box]
Mixed Area	[Grey box]

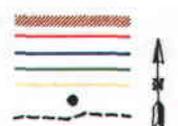
**NOTE:**  
 Mine projections are subject to change depending on conditions encountered in the underground mine workings. Actual mine works are shown as of January 1, 2010. Mine projections depicted in the fringe areas beyond the existing permit area are speculative and based on future reserve acquisitions. No mining will be conducted in these areas unless those reserves are acquired in the future and permitted according to federal, state, and local permitting requirements. West Ridge Resources acknowledges that permission to mine within the permit boundary does not imply permission to mine beyond the permit boundary.

I CERTIFY THIS MAP TO BE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE



**WEST RIDGE MINE**  
 Mine Plan

**LEGEND:**  
 Permit Boundary  
 Federal Lease  
 State Lease  
 Pentia Creek Fee  
 Surface Facility Area  
 GVH Site  
 Outcrop



SCALE: 1"=2000'

**CONFIDENTIAL INFORMATION**

**CONFIDENTIAL INFORMATION SUBMITTED  
SEPARATELY IN CONFIDENTIAL BINDER**

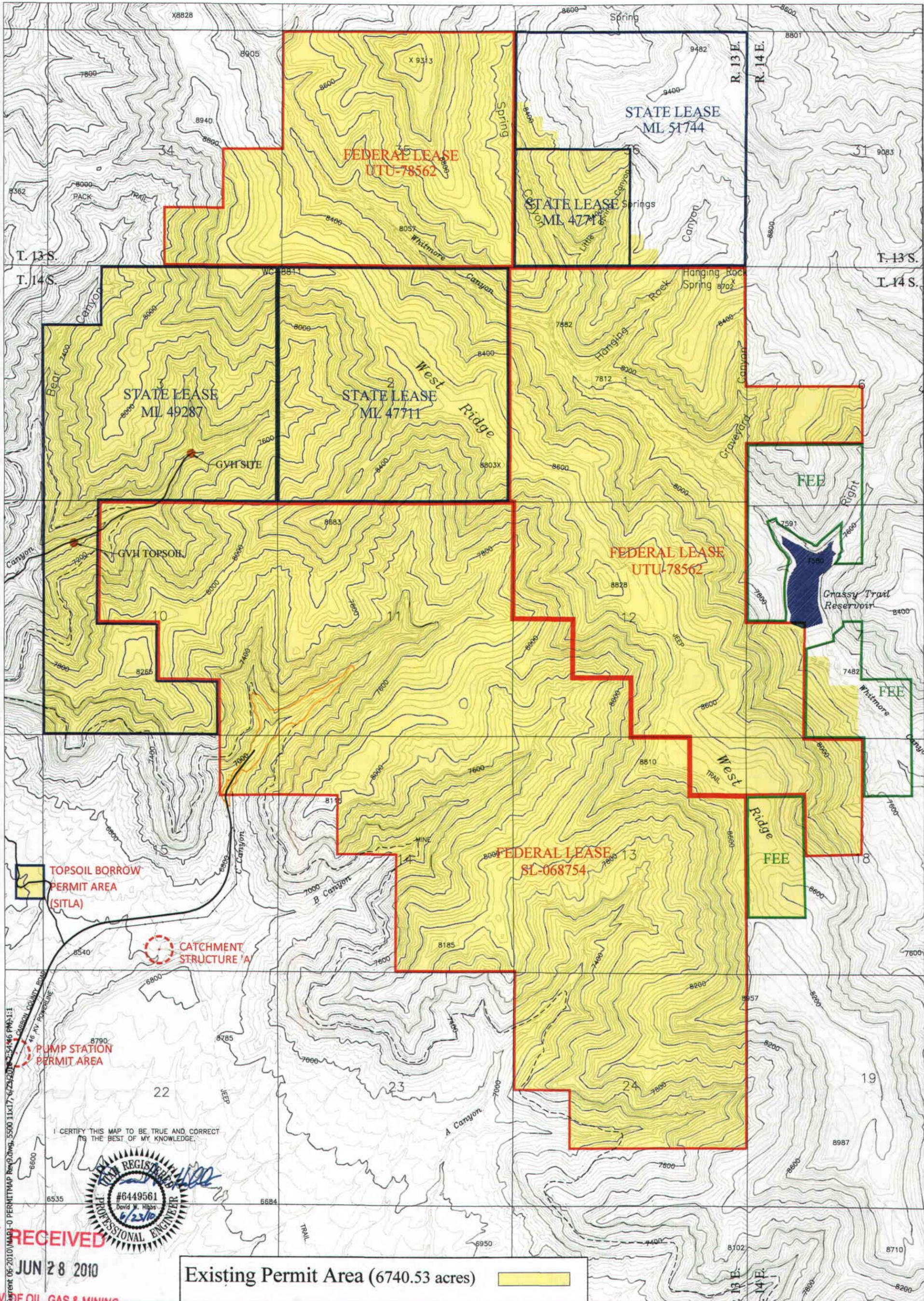
- A) RAPTOR SURVEY....E.I.S.**
- B) ARCHEOLOGICAL REPORT....SENCO-PHENIX**

MAPS

REPLACE ALL

**MAP 1-0**

**PERMIT MAP**



5: Current Drawings (MRP Maps) West Ridge Mine (Permit) MAP1-0 PERMITMAP REV 9.dwg, 5500 11x17, 6/23/10, 5:54:46 PM, 1:1  
 DATE: 6-23-10 REV: 9 ACAD REF: MAP1-0 PERMITMAP REV 9

I CERTIFY THIS MAP TO BE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.



**RECEIVED**  
 JUN 28 2010  
 DIV. OF OIL, GAS & MINING

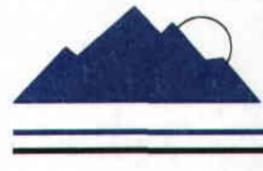
Existing Permit Area (6740.53 acres)

# WEST RIDGE MINE

## Map 1-0

### Permit Map

- LEGEND:**
- Federal Lease
  - State Lease
  - Penta Creek Fee
  - Surface Facility Area
  - GVH Site
  - Outcrop

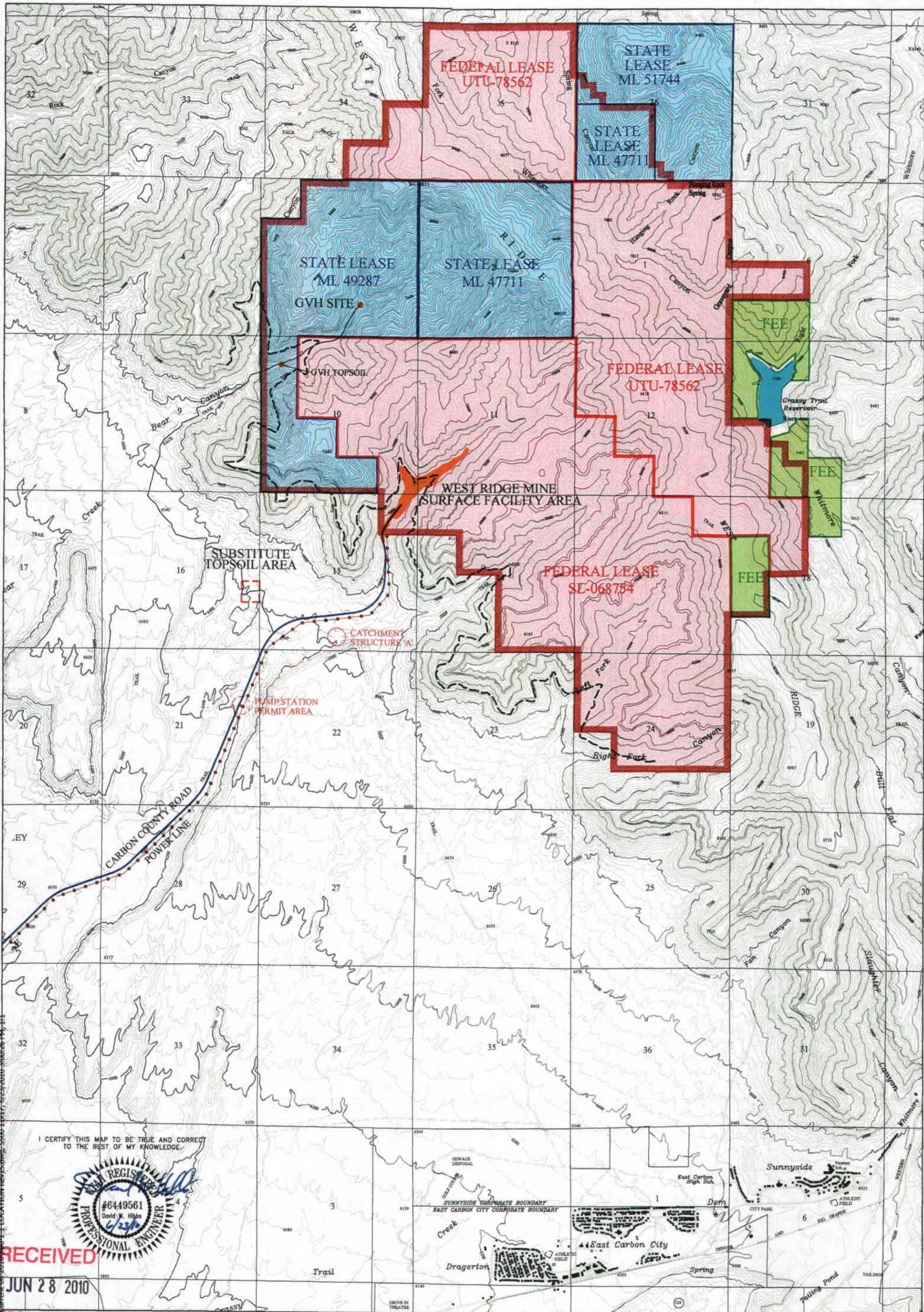


**WEST RIDGE RESOURCES, INC.**

SCALE: 1"=2000'

MAP 1-1

LOCATION MAP



I CERTIFY THIS MAP TO BE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.

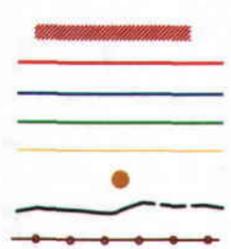


**RECEIVED**  
JUN 28 2010

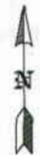
**WEST RIDGE MINE**  
Map 1-1  
Location Map

DATE: 6-23-10 REV: 15 ACAD REF: MAPI-1 LOCATION Rev15

- LEGEND:**
- Permit Boundary
  - Federal Lease
  - State Lease
  - Penta Creek Fee
  - Surface Facility Area
  - GVH Site
  - Outcrop
  - Power Line



**WEST RIDGE**  
RESOURCES, INC.



SCALE: 1"=3000'

G:\Current Drawings\HRP - Maps\West Ridge\Map1-1 LOCATION Rev15.dwg 5500-11-17 6/23/2010 2:00:26 PM 1:1

MAP 2-1

REGIONAL SOIL MAP



MAP 3-1

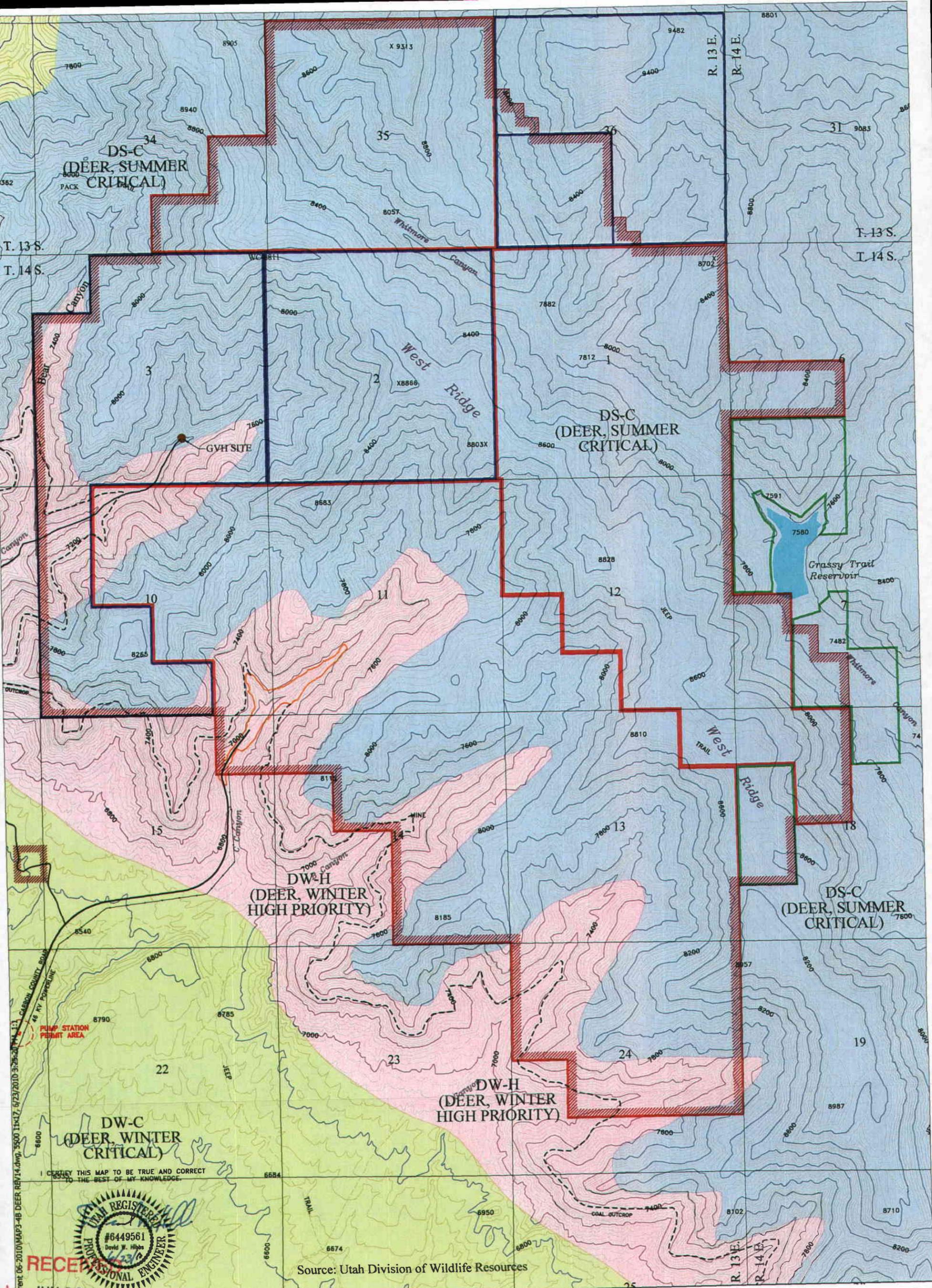
GENERAL VEGETATION MAP



**MAP 3-4B**

**WILDLIFE MAP**

**DEER RANGE**



I CERTIFY THIS MAP TO BE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.  
 UTM REGISTERED PROFESSIONAL ENGINEER #6449561 David W. Hibbs  
 JUN 28 2010  
 DEPARTMENT OF OIL, GAS & MINING  
 WEST RIDGE MINE  
 Map 3-4B  
 Wildlife Map - Deer Range  
 ATE: 6-23-10 REV: 14 ACAD REF: MAP3-4B DEER REV14

DW-H  
(DEER, WINTER  
HIGH PRIORITY)

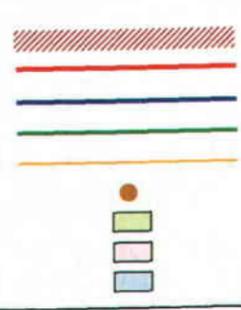
DW-H  
(DEER, WINTER  
HIGH PRIORITY)

DS-C  
(DEER, SUMMER  
CRITICAL)

DS-C  
(DEER, SUMMER  
CRITICAL)

Source: Utah Division of Wildlife Resources

- LEGEND:**
- Permit Boundary
  - Federal Lease
  - State Lease
  - Penta Creek Fee
  - Surface Facility Area
  - GVH Site
  - DW-C
  - DW-H
  - DS-C



**WEST RIDGE  
RESOURCES, INC.**

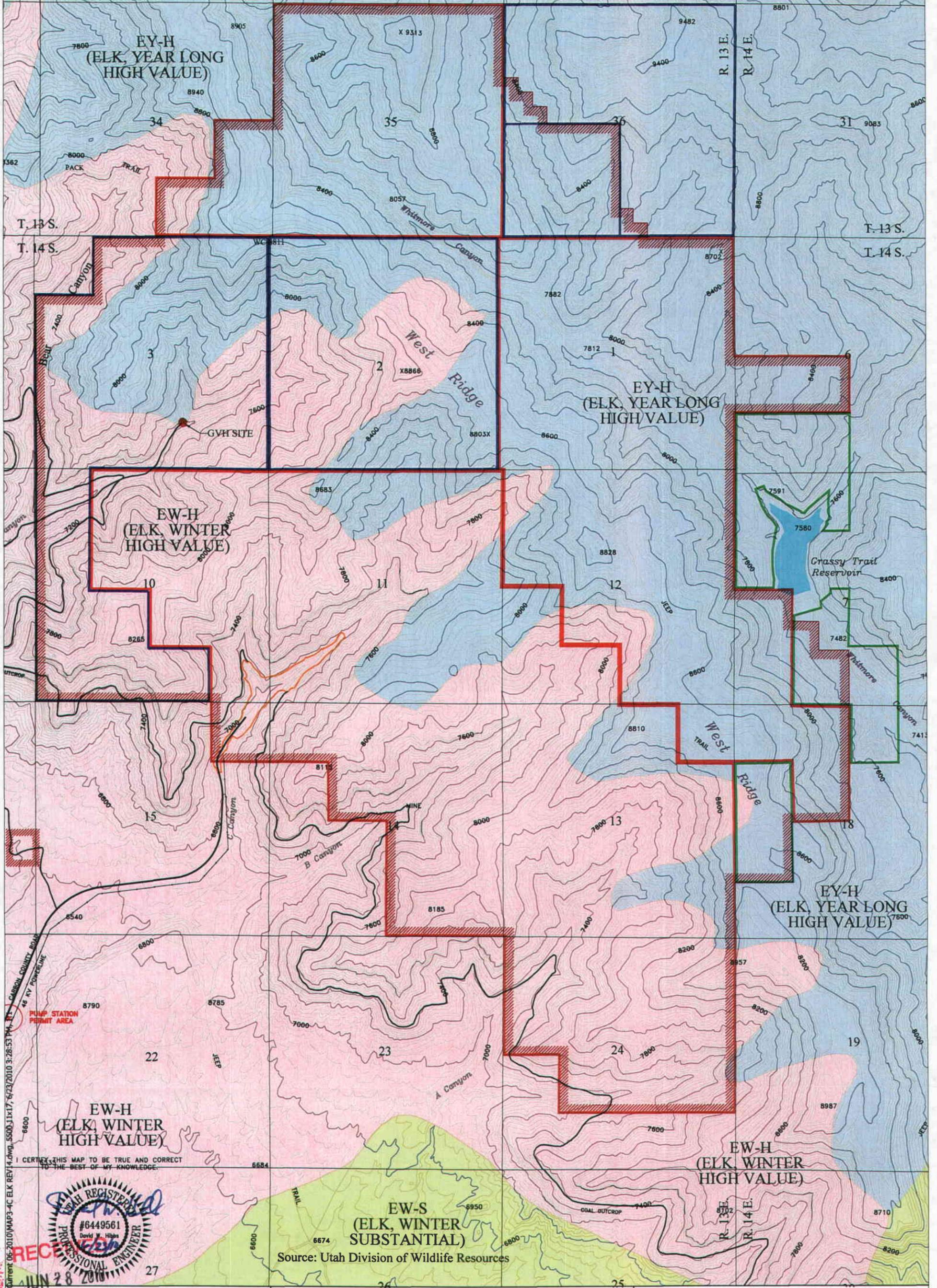


SCALE: 1"=2000'

MAP 3-4C

WILDLIFE MAP

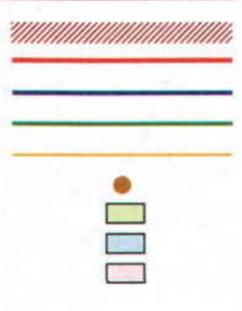
ELK RANGE



Current Drawings\WRP Maps\West Ridge Mine\Current 06-2010\WRP3-4C ELK REV14.dwg, 5500, 11x17, 6/23/2010 3:28:53 PM, R. CARSON COUNTY ROAD 16 KY POWERLINE  
 DATE: 6-23-10

**WEST RIDGE MINE**  
 Map 3-4C  
**Wildlife Map - Elk Range**

- Permit Boundary
- Federal Lease
- State Lease
- Penta Creek Fee
- Surface Facility Area
- GVH Site
- EW-S
- EY-H
- EW-H



**WEST RIDGE**  
 RESOURCES, INC.



SCALE: 1"=2000'

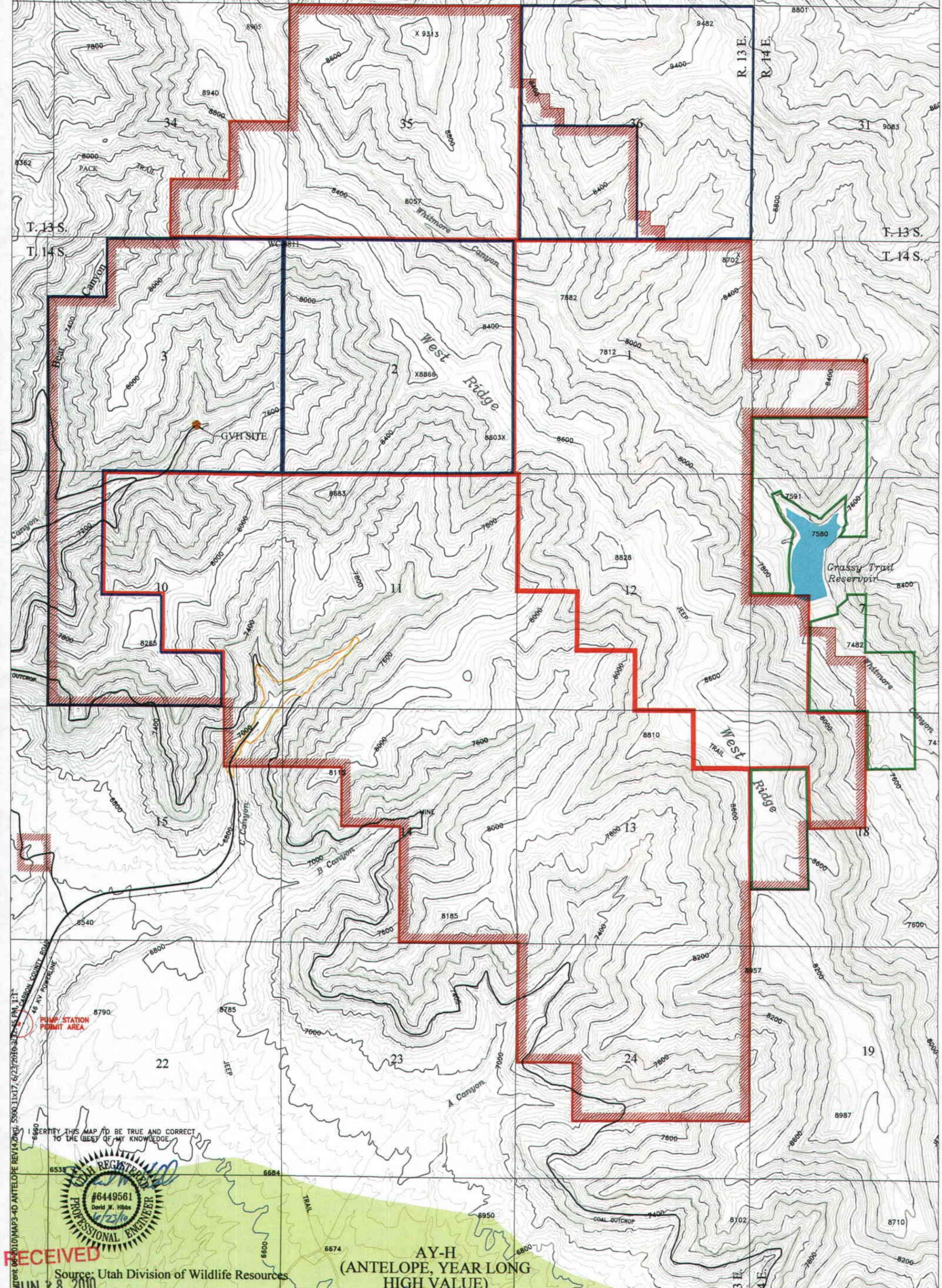


Source: Utah Division of Wildlife Resources

**MAP 3-4D**

**WILDLIFE MAP**

**ANTELOPE RANGE**

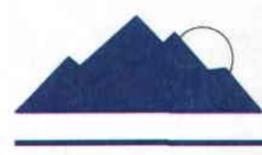
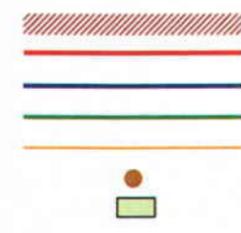


Current Drawings\WRP Maps\West Ridge Mine\Map3-4D ANTELOPE REV14.dwg, 5560 11x17, 6/23/2010 3:27:45 PM, 1:1  
 RECEIVED JUN 28 2010  
 DIV. OF OIL, GAS & MINING

CERTIFY THIS MAP TO BE TRUE AND CORRECT  
 TO THE BEST OF MY KNOWLEDGE.

Source: Utah Division of Wildlife Resources

**LEGEND:**  
 Permit Boundary  
 Federal Lease  
 State Lease  
 Penta Creek Fee  
 Surface Facility Area  
 GVH Site  
 AY-H



**WEST RIDGE**  
 RESOURCES, INC.



SCALE: 1"=2000'

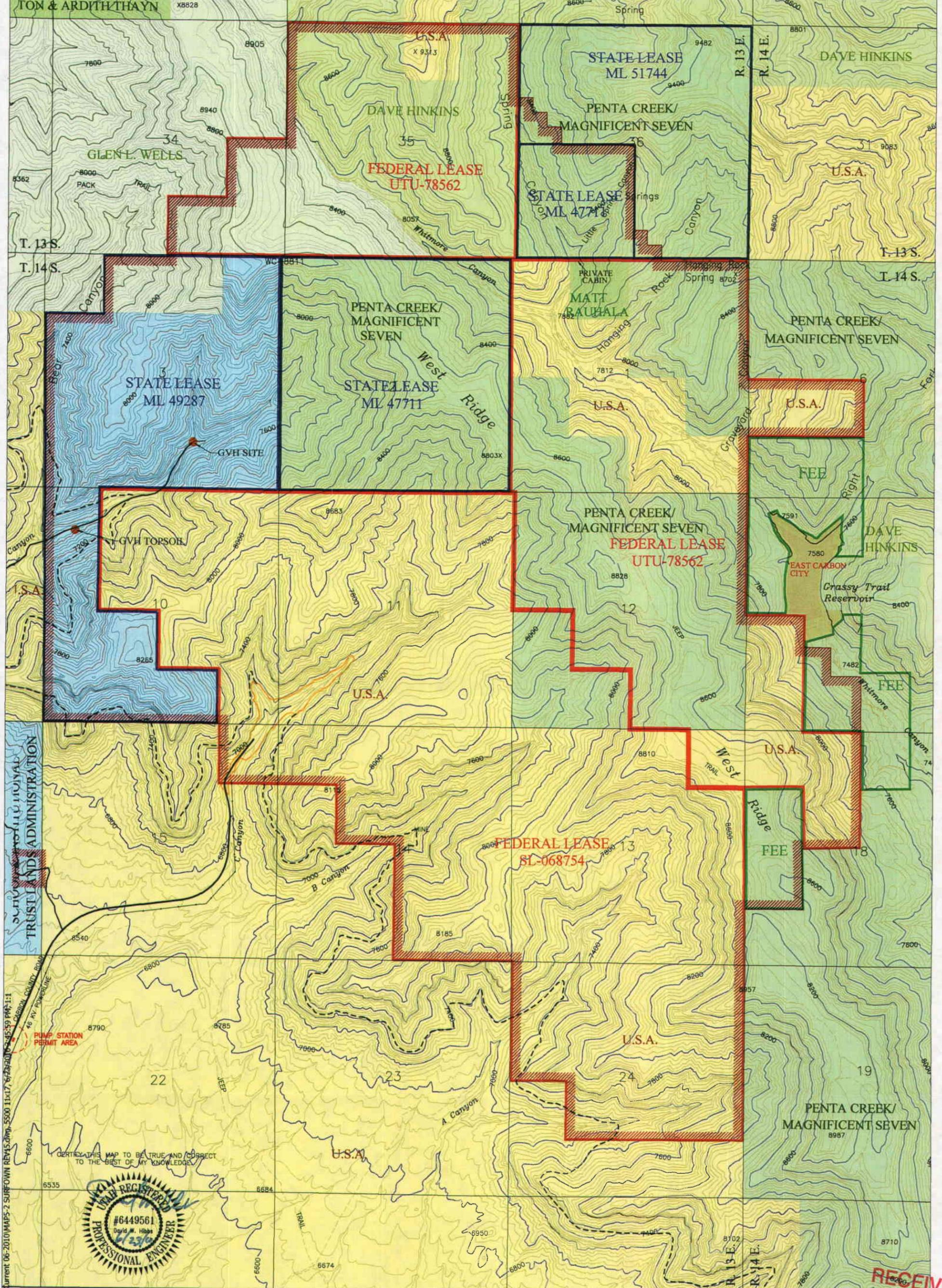
MAP 4-1

EXISTING LAND USE



**MAP 5-2**

**SURFACE OWNERSHIP MAP**



Current Drawings\MRP Maps\West Ridge Mine\Current 06-2010\MAPS-2 SURFOWN REV15.dwg, 5500 11x17, 6/23/2010 10:45:59 PM 1:1  
 6-23-10 REV: 15 ACAD REF: MAPS-2 SURFOWN REV15

# WEST RIDGE MINE

## Map 5-2

### Surface Ownership Map



**LEGEND:**

Permit Boundary		School Trust Land (SITLA)	
Federal Lease		Penta Creek/Magnificent Seven	
State Lease		U.S.A. (BLM)	
Penta Creek Fee		Dave Hinkins	
Surface Facility Area		Glen L. Wells	
GVH Site		Matt Rauhala	
Outcrop		Milton & Ardith Thayn	
		East Carbon City	

**RECEIVED**

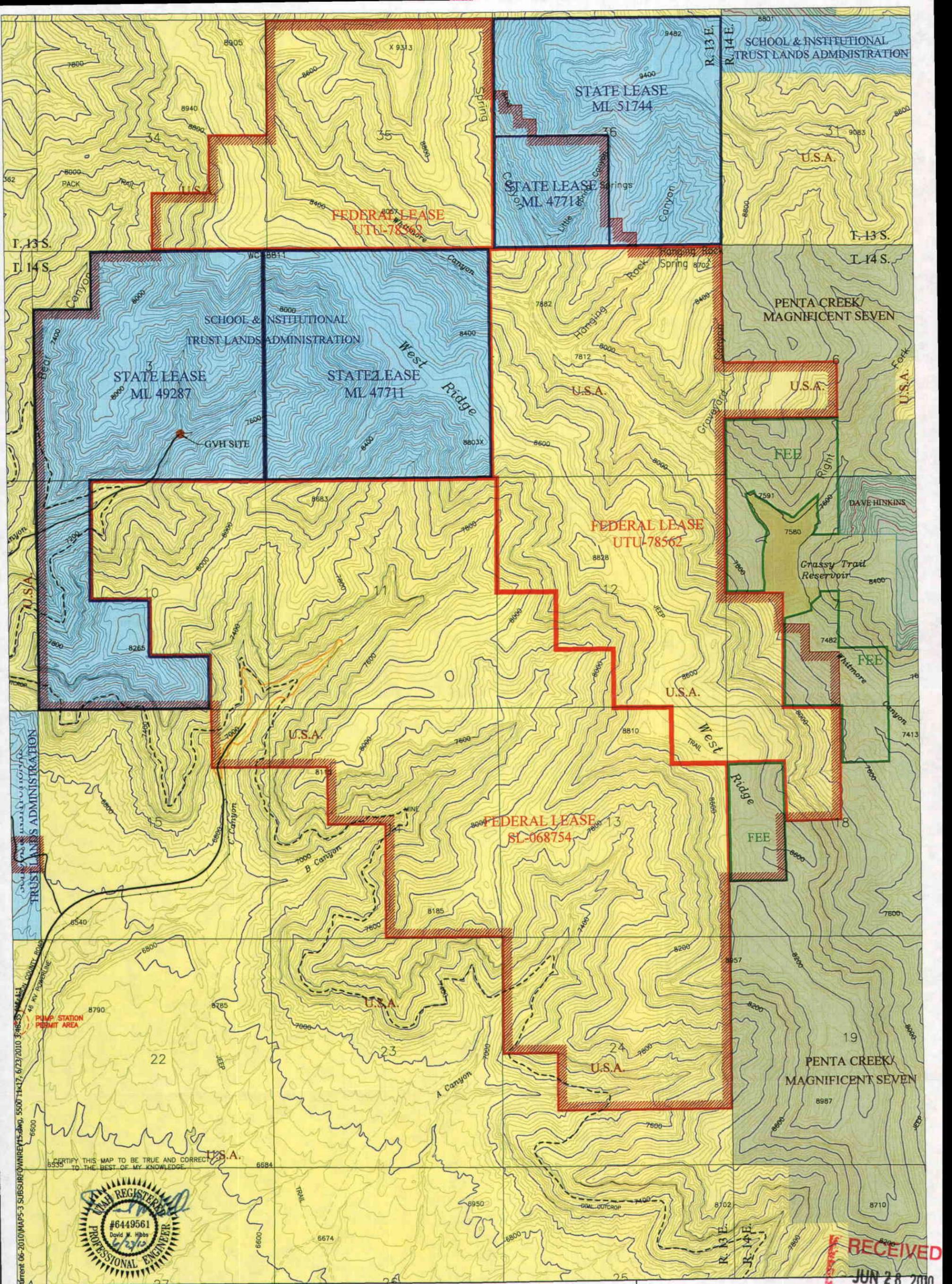
**JUN 28 2010**

**WEST RIDGE**  
RESOURCES, INC.

SCALE: 1"=2000'

**MAP 5-3**

**SUB-SURFACE OWNERSHIP MAP**



Current Drawings (MRP Maps) West Ridge Mine (Sub-surface Ownership) 06-2010 (MAPS-3 SUBSURFOWNREV15-dwg, 5500 11x17, 6/23/2010 3:48:35 PM)

CERTIFY THIS MAP TO BE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE



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JUN 28 2010

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# WEST RIDGE MINE

## Map 5-3

### Sub-surface Ownership Map

DATE: 6-23-10    REV: 15    ACAD REF: MAPS-3 SUBSURFOWNREV15

**LEGEND:**

Permit Boundary		School Trust Lands (SITLA)	
Federal Lease		Penta Creek/Magnificent Seven	
Penta Creek Fee		U.S.A. (BLM)	
Surface Facility Area		Dave Hinkins	
GVH Site		East Carbon City	
Outcrop			

WEST RIDGE

RESOURCES, INC.

SCALE: 1"=2000'

**MAP 5-4A**

**MINING PROJECTIONS**

Current Drawings: MRP Maps: West Ridge Mine: Current: 06/20/10: Writemea REV: 15: 5500 11x17 6/23/2010 2:29:14 PM, 111

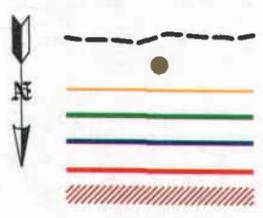
DATE: 6-24-10-10 REV: 15 ACAD REF: WRTIMEA REV15

# WEST RIDGE MINE Map 5-4A Mining Projections

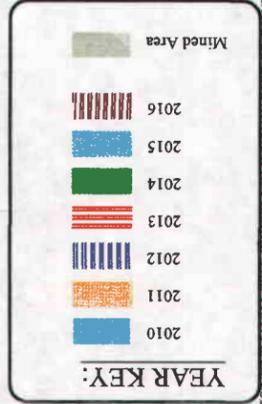
SCALE: 1"=2000'

**WEST RIDGE  
RESOURCES, INC.**

DIV. OF OIL, GAS & MINING



**LEGEND:**  
Permit Boundary  
Federal Lease  
State Lease  
Penta Creek Fee  
Surface Facility Area  
GvH Site  
Outcrop

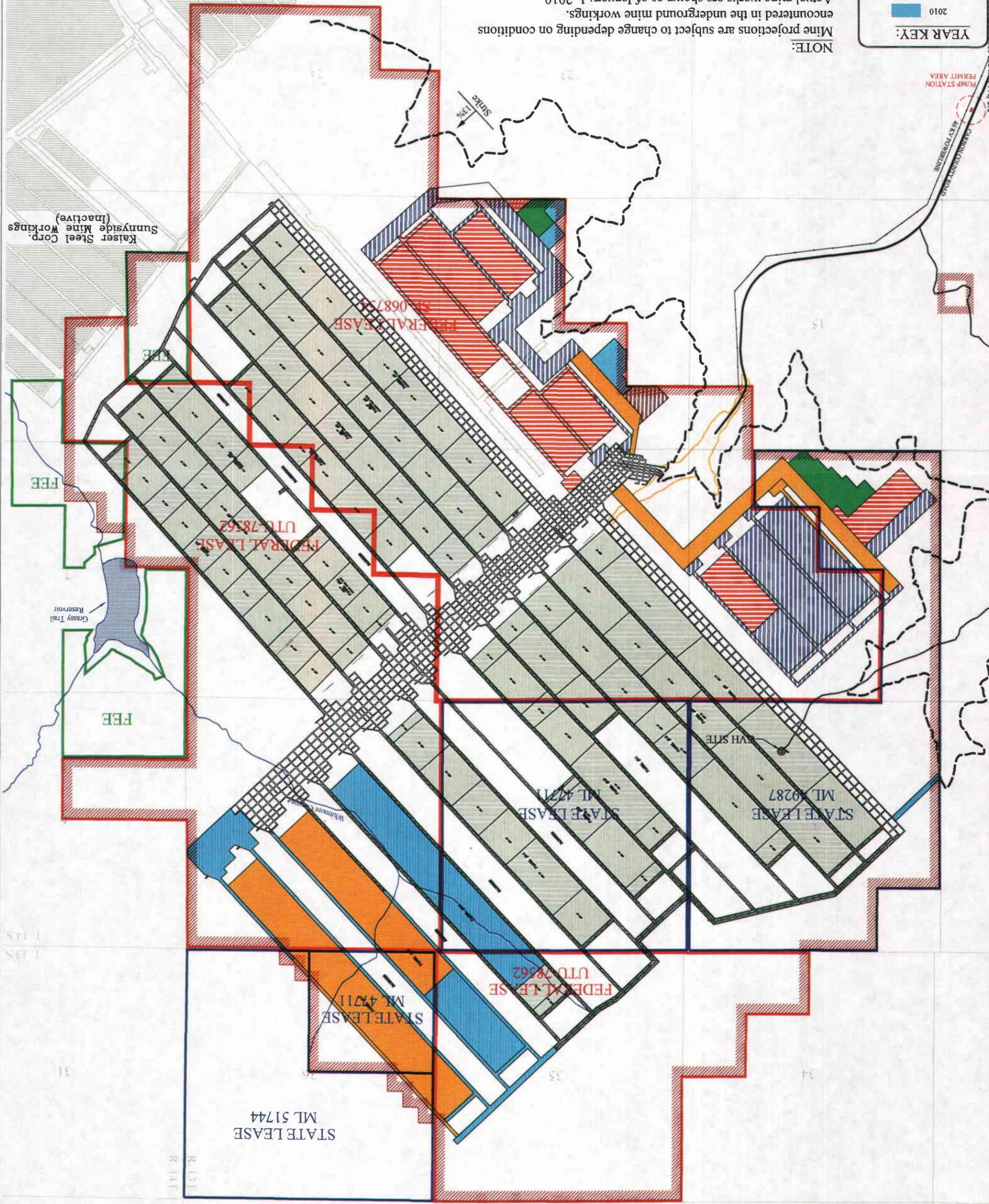


**NOTE:**  
Mining projections are subject to change depending on conditions encountered in the underground mine workings.  
Actual mine works are shown as of January 1, 2010.  
Mine projections depicted in the fringe areas beyond the existing permit area are speculative and based on future reserve acquisitions.  
No mining will be conducted in these areas unless those reserves are acquired in the future and permitted according to federal, state, and local permitting requirements.  
West Ridge Resources acknowledges that permission to mine within the permit boundary does not imply permission to mine beyond the permit boundary.



I CERTIFY THIS MAP TO BE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.  
Kaiser Steel Corp.  
Sunnyside Mine Workings (Inactive)

RECEIVED  
JUN 28 2010



Kaiser Steel Corp.  
Sunnyside Mine Workings (Inactive)

Grassy Trail Reservoir

115  
115

31

STATE LEASE  
ML 51744

STATE LEASE  
ML 4711

FEDERAL LEASE  
UTD 78562

STATE LEASE  
ML 4271

STATE LEASE  
ML 4287

GvH SITE

PERMIT AREA  
PUMP STATION  
46 KV POWERLINES  
CARRINGTON ROAD

**MAP 5-4B**

**MINING PROJECTIONS**

**(EXTENDED RESERVES)**

Note: Economic minability of this area to be determined upon development of 1st Left entries and other future evaluation of the area.

STATE LEASE ML 51744

STATE LEASE ML 47711

FEDERAL LEASE UTU 78562

STATE LEASE ML 49287

STATE LEASE ML 47711

FEDERAL LEASE UTU 78562

FEDERAL LEASE ML 468754

Kaiser Steel Corp. Sunnyside Mine Workings (Inactive)

Kaiser Steel Corp. Sunnyside Mine Workings (Inactive)

I CERTIFY THIS MAP TO BE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE



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DIV. OF OIL, GAS & MINING

**NOTE:**  
 Mine projections and barrier pillar location(s) are subject to change depending on conditions encountered in the underground mine workings.  
 Actual mine works are shown as of January 1, 2010.  
 Mine projections depicted in the fringe areas beyond the existing permit area are speculative and based on future reserve acquisitions. No mining will be conducted in these areas unless those reserves are acquired in the future and permitted according to federal, state, and local permitting requirements.  
 West Ridge Resources acknowledges that permission to mine within the permit boundary does not imply permission to mine beyond the permit boundary.

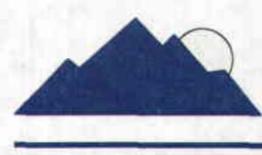
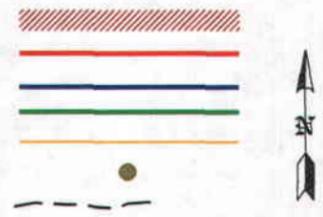
2010	
2011	
2012	
2013	
2014	
2015	
2016	
Mined Area	

# WEST RIDGE MINE

## Map 5-4B

### Mining Projections (Extended Reserves)

- LEGEND:**
- Permit Boundary
  - Federal Lease
  - State Lease (ML 49287)
  - Penta Creek Fee
  - Surface Facility Area
  - GVH Site
  - Outcrop



**WEST RIDGE**  
RESOURCES, INC.

SCALE: 1"=2000'

Current Drawings\Map-Maps\West Ridge Mine\Current-06-2010\Wrtimbe REV 15.dwg-5500-11x17-6/23/2010 3:52:43 PM 1:1

**MAP 5-7**

**SUBSIDENCE MAP**

STATE LEASE  
ML 51744

STATE LEASE  
ML 47711-OBA

FEDERAL LEASE  
ITU-78562

STATE LEASE  
ML 49287

STATE LEASE  
ML 47711-OBA

FEDERAL LEASE  
ITU-78562

FEDERAL LEASE  
SL-068754

FEE

FEE

Kaiser Steel Corp.  
Sunnyside Mine Workings  
(Inactive)

Kaiser Steel Corp.  
Sunnyside Mine Workings  
(Inactive)

**NOTE:**

Mine projections are subject to change depending on conditions encountered in the underground mine workings.  
 Actual mine works are shown as of January 1, 2010.  
 Mine projections depicted in the fringe areas beyond the existing permit area are speculative and based on future reserve acquisitions.  
 No mining will be conducted in these areas unless those reserves are acquired in the future and permitted according to federal, state, and local permitting requirements.  
 West Ridge Resources acknowledges that permission to mine within the permit boundary does not imply permission to mine beyond the permit boundary.  
 Longwall panels will be reconfigured as needed to prevent unauthorized subsidence beyond the permit area if extended reserves are not acquired in the future.  
 Additional control points will be added as mine advances.

CERTIFY THIS MAP TO BE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.

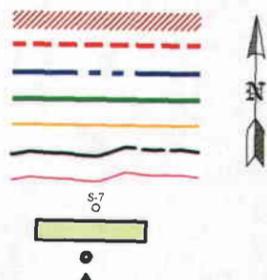


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**JUN 28 2010**  
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**WEST RIDGE MINE**  
 Map 5-7  
 Subsidence Map

**LEGEND:**

- Permit Boundary
- Federal Lease
- State Lease
- Penta Creek Fee
- Surface Facility Area
- Outcrop
- Cover
- Drill Hole
- Possible Subsidence Area
- Existing Photogrammetric Control Points
- Future Photogrammetric Control Points

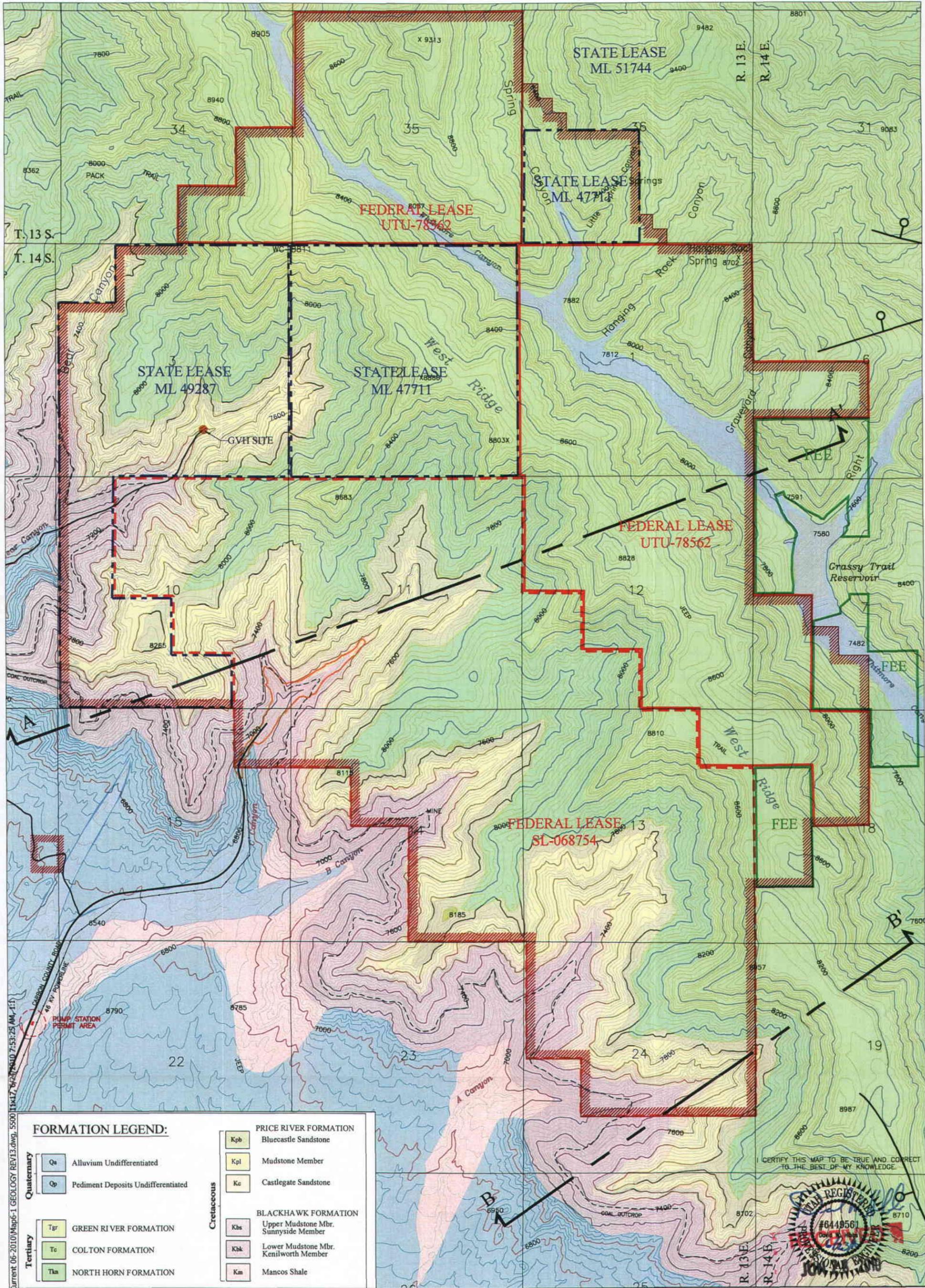


**WEST RIDGE  
RESOURCES, INC.**

SCALE: 1"=2000'

**MAP 6-1**

**REGIONAL GEOLOGY MAP**



**FORMATION LEGEND:**

Quaternary	Qa	Alluvium Undifferentiated	Cretaceous	Kpb	PRICE RIVER FORMATION Bluecastle Sandstone
	Qp	Pediment Deposits Undifferentiated		Kpl	Mudstone Member
Tertiary	Tgr	GREEN RIVER FORMATION		Ke	Castlegate Sandstone
	Tc	COLTON FORMATION		Kbs	BLACKHAWK FORMATION Upper Mudstone Mbr. Sunnyside Member
	Tha	NORTH HORN FORMATION		Kbk	Lower Mudstone Mbr. Kenilworth Member
				Km	Mancos Shale

**WEST RIDGE MINE**  
Map 6-1  
Regional Geology Map

**LEGEND:**

- Permit Boundary
- Federal Lease
- State Lease
- Penta Creek Fee
- Surface Facility Area
- GVH Site
- Fault

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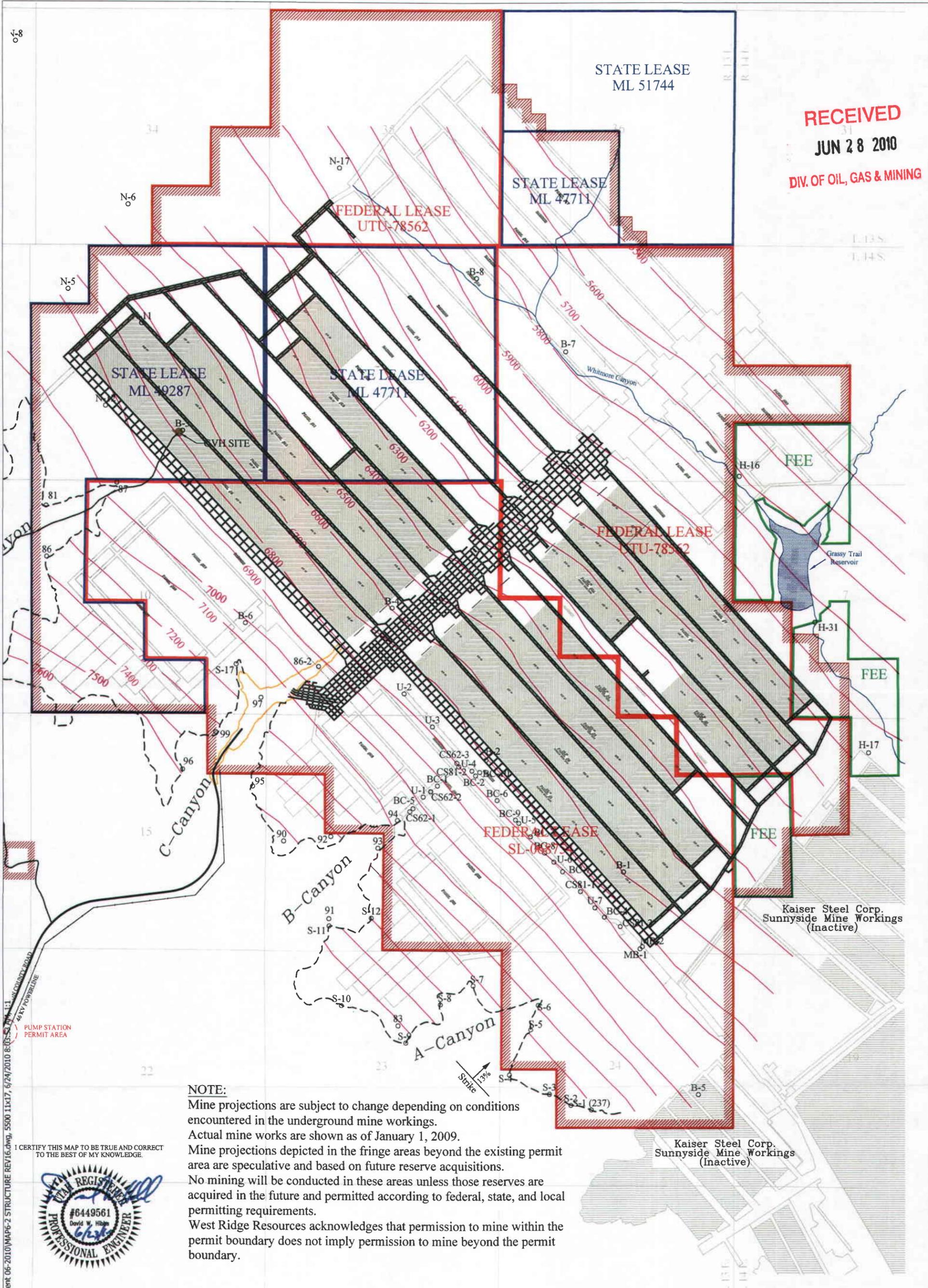
**WEST RIDGE**  
RESOURCES, INC.

SCALE: 1"=2000'

MAP 6-2

COAL SEAM STRUCTURE MAP

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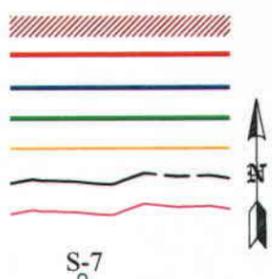


**NOTE:**  
 Mine projections are subject to change depending on conditions encountered in the underground mine workings. Actual mine works are shown as of January 1, 2009. Mine projections depicted in the fringe areas beyond the existing permit area are speculative and based on future reserve acquisitions. No mining will be conducted in these areas unless those reserves are acquired in the future and permitted according to federal, state, and local permitting requirements. West Ridge Resources acknowledges that permission to mine within the permit boundary does not imply permission to mine beyond the permit boundary.

I CERTIFY THIS MAP TO BE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.



**LEGEND:**  
 Permit Boundary  
 Federal Lease  
 State Lease  
 Penta Creek Fee  
 Surface Facility Area  
 Outcrop  
 Structure Contour  
 (Base of Lower Sunnyside Seam)  
 Drill Hole/Channel Samples



**WEST RIDGE**  
 RESOURCES, INC.

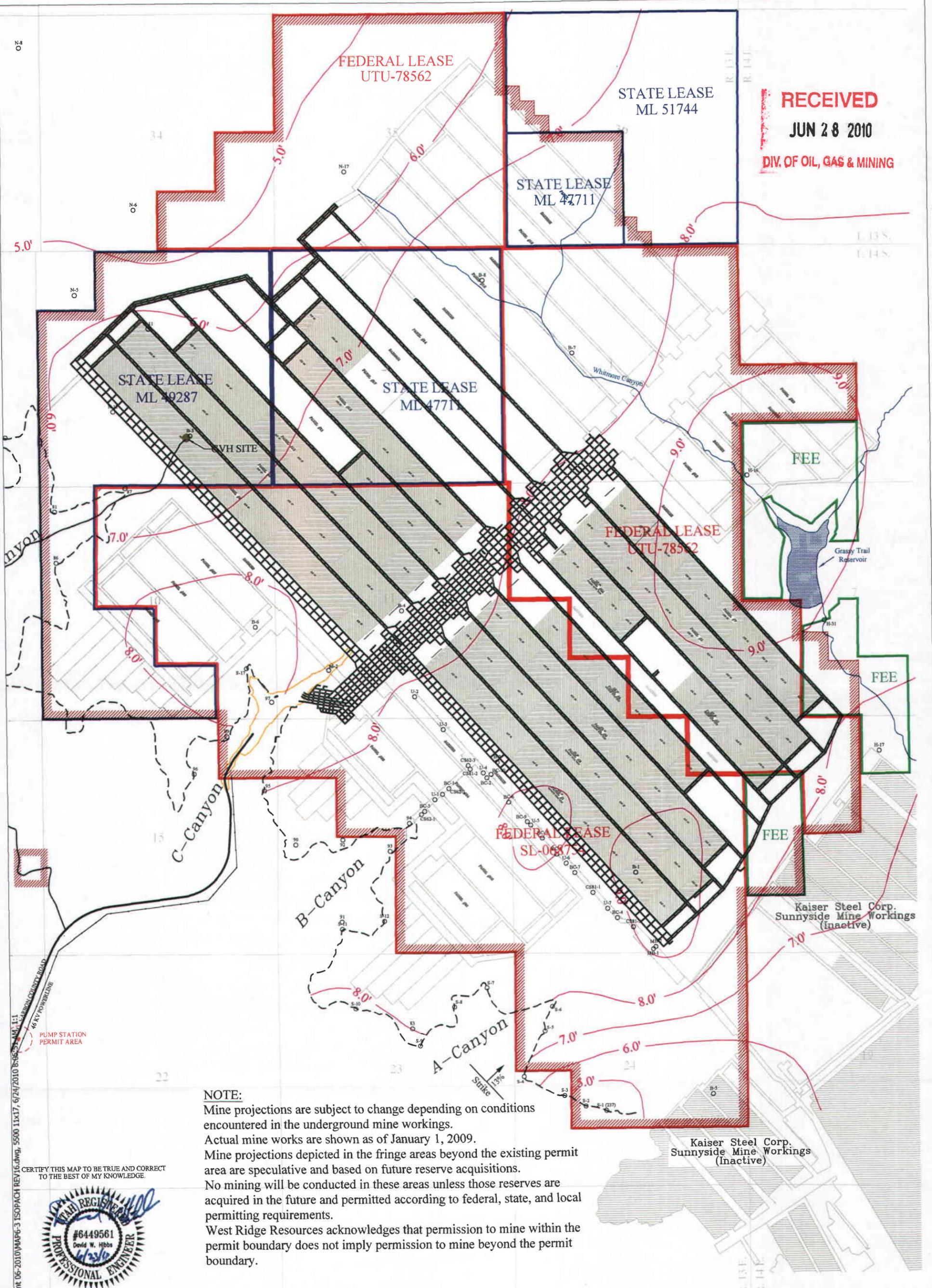
SCALE: 1"=2000'

**WEST RIDGE MINE**  
 Map 6-2  
 Coal Seam Structure Map

**MAP 6-3**

**COAL SEAM ISOPACH MAP**

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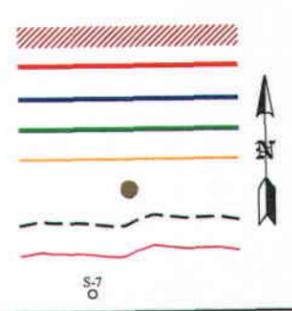
**NOTE:**  
 Mine projections are subject to change depending on conditions encountered in the underground mine workings. Actual mine works are shown as of January 1, 2009. Mine projections depicted in the fringe beyond the existing permit area are speculative and based on future reserve acquisitions. No mining will be conducted in these areas unless those reserves are acquired in the future and permitted according to federal, state, and local permitting requirements. West Ridge Resources acknowledges that permission to mine within the permit boundary does not imply permission to mine beyond the permit boundary.

CERTIFY THIS MAP TO BE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.



**WEST RIDGE MINE**  
**Map 6-3**  
**Lower Sunnyside Coal Seam**  
**Isopach Map**

- LEGEND:**
- Permit Boundary
  - Federal Lease
  - State Lease
  - Penta Creek Fee
  - Surface Facility Area
  - GVH Site
  - Outcrop
  - Coal Isopachs
  - Drill Hole/Channel Samples



SCALE: 1"=2000'

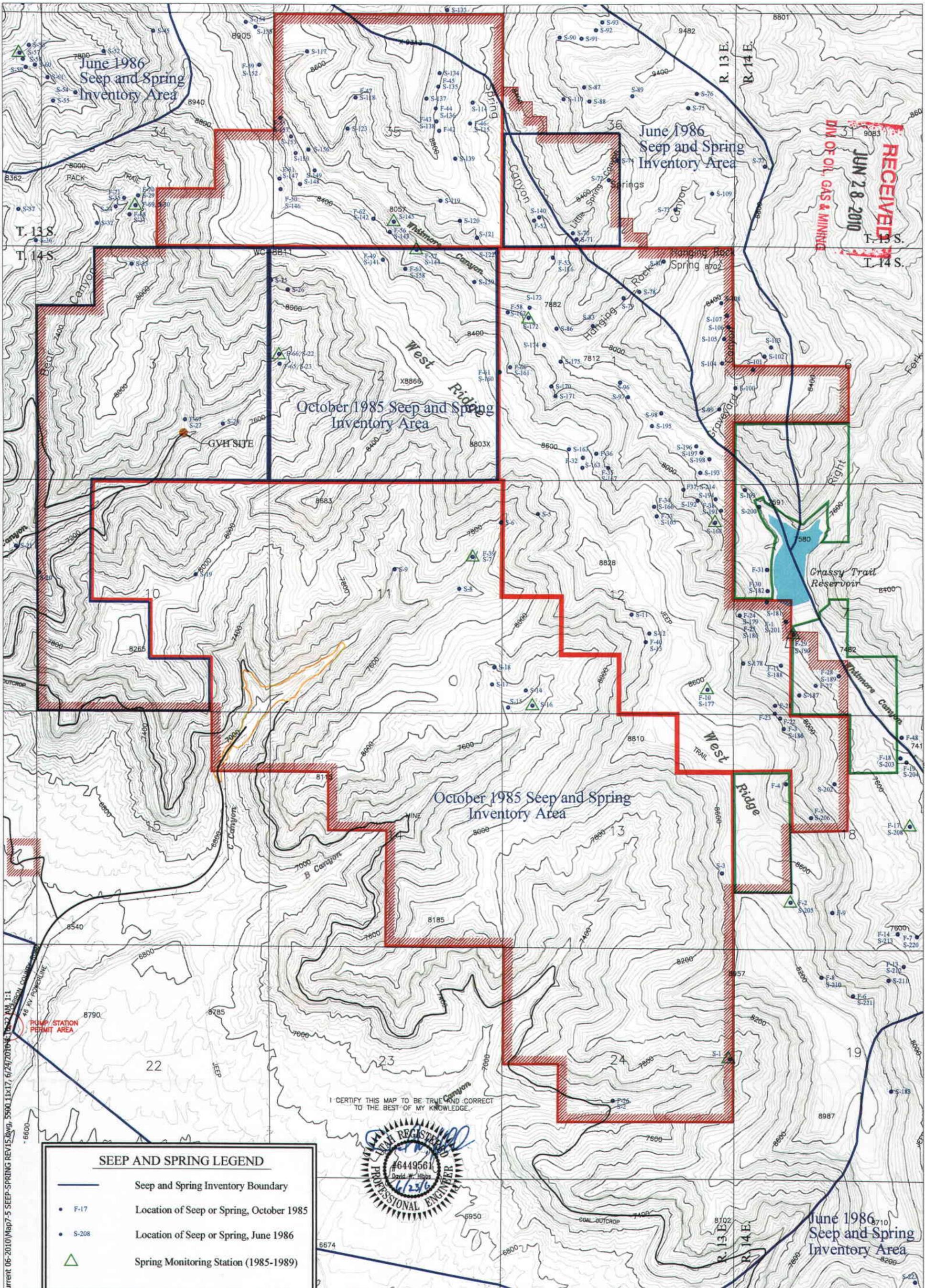
MAP 7-3

WATER RIGHTS MAP



**MAP 7-5**

**SEEP/SPRING SURVEY MAP**



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I CERTIFY THIS MAP TO BE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.



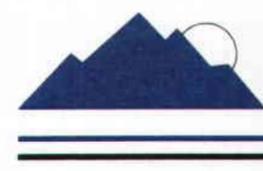
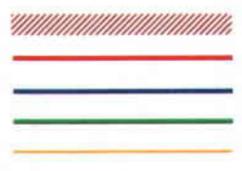
SEEP AND SPRING LEGEND	
	Seep and Spring Inventory Boundary
	Location of Seep or Spring, October 1985
	Location of Seep or Spring, June 1986
	Spring Monitoring Station (1985-1989)

# WEST RIDGE MINE

## Map 7-5

### Seep/Spring Survey Map

**LEGEND:**  
 Permit Boundary  
 Federal Lease  
 State Lease  
 Penta Creek Fee  
 Surface Facility Area  
 GVH Site



**WEST RIDGE**  
RESOURCES, INC.



SCALE: 1"=2000'

Current Drawings/Map 7-5 Seep-Spring Survey Map (Current 06-2010) Map 7-5 SEEP-SPRING REV 15 (Rev. 5560 11x17, 6/24/2010) 11:17 AM 1:1  
 DATE: 6-23-10 REV: 15 ACAD REF: MAP7-5 SEEP-SPRING REV 15

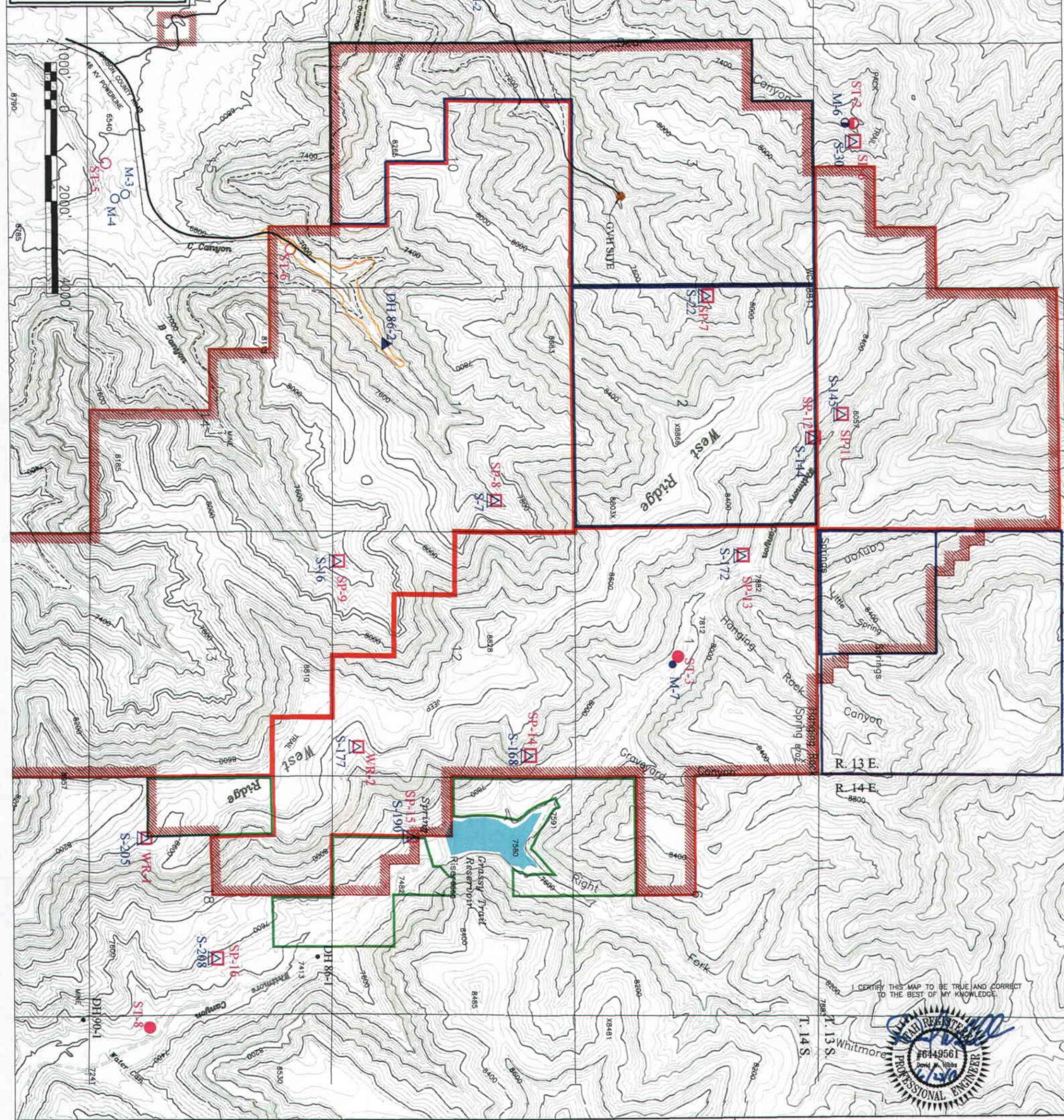
**MAP 7-6**

**HYDROLOGIC MONITORING MAP  
(HISTORIC MONITORING LOCATIONS)**

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**LEGEND**

Monitoring Locations	
Spring Monitoring Station	1985/1986
Drill Hole Water Monitoring Location	S-177
Epithermal Stream Flow Monitoring Station	M-5
Intermittent Stream Flow Monitoring Station	M-6
Perennial Stream Flow Monitoring Station	M-7
1987 and later	WR-2
	ST-7
	ST-2
	ST-3

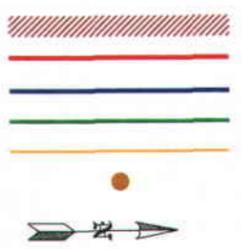


I CERTIFY THIS MAP TO BE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.



**WEST RIDGE MINE**  
 Map 7-6  
 Hydrologic Monitoring Map  
 (Historical Monitoring Locations)

**LEGEND:**  
 Permit Boundary  
 Federal Lease  
 State Lease  
 Penta Creek Fee  
 Surface Facility Area  
 GVH Site



SCALE: 1"=2000'

MAP 7-7

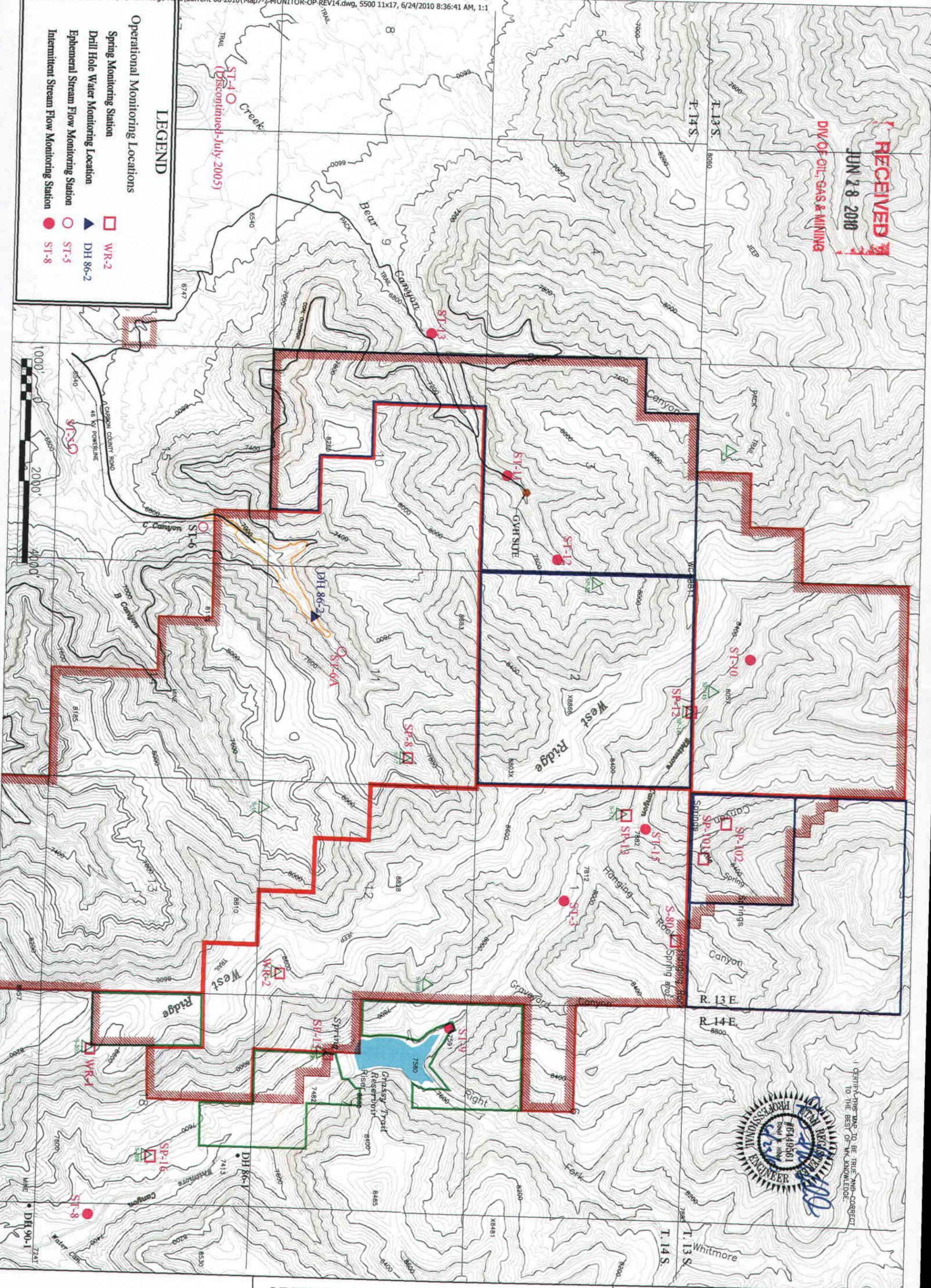
**HYDROLOGIC MONITORING MAP  
(OPERATIONAL MONITORING LOCATIONS)**

**RECEIVED**  
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**LEGEND**

Operational Monitoring Locations

- Spring Monitoring Station: □ WR-2
- Drill Hole Water Monitoring Location: ▲ DH 86-2
- Ephemeral Stream Flow Monitoring Station: ○ ST-5
- Intermittent Stream Flow Monitoring Station: ● ST-8



CERTIFY THIS MAP TO BE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.

**WEST RIDGE MINE**  
 Map 7-7  
 Operational Monitoring Locations

**LEGEND:**

- Permit Boundary: [Red hatched line]
- Federal Lease: [Red line]
- State Lease: [Blue line]
- Penta Creek Fee: [Green line]
- Surface Facility Area: [Orange line]
- GVH Site: [Orange dot]



**WEST RIDGE**  
 RESOURCES, INC.

SCALE: AS SHOWN