R5E R6E

PERMIT BOUNDARY

FED LEASE U-5287

FED LEASE U-20041

EXCLUSION AREA (TWO MINING) RELINQUISHED STATE LEASE

Gravel Pit

14th WEST

15th WEST

6th WEST

4th EAST

E.1,700,000

E.1,710,000

E.1,720,000

N.6,760,000

T 22 S

T 23 S

SEVIER COUNTY

EMERY COUNTY

LEGEND

- EXISTING OR POTENTIAL CONSOL SURFACE OPERATIONS AREA (SOME VEGETATION REMOVED)
- TO BE FULLY EXTRACTED
- TO BE FULLY EXTRACTED SEE CHAPTER VIII APPENDIX VIII-3, FIGURE 1 FOR VEGETATION IN THIS AREA
- TO BE FULLY EXTRACTED SEE CHAPTER VIII APPENDIX VIII-3, FIGURE 2 FOR VEGETATION IN THIS AREA

- PASTURE LAND/HAYLAND
- PASTURE LAND/DRY
- PASTURE LAND/IRRIGATED
- RIPARIAN MEADOW
- RIPARIAN SHRUBLAND
- GREASEWOOD SHRUBLAND
- MIXED DESERT SHRUBLAND
- MATSCALE SHRUBLAND
- PINYON-JUNIPER WOODLAND
- COTTONWOOD WOODLAND
- ANNUAL FORBES
- SALT GRASS
- SHADSCALE
- OTHER SURFACE DISTURBANCE
- ROCK OUTCROP/TALUS
- SHADSCALE/WINTERFAT

REFERENCE SITE / SAMPLE SITE

MAP SYMBOL	COMMUNITIES
R-RM	RIPARIAN MEADOW
RM-1	RIPARIAN MEADOW
RM-2	RIPARIAN MEADOW
RM-3	RIPARIAN MEADOW
RM-4	RIPARIAN MEADOW
RM-5	RIPARIAN MEADOW
RS-1	RIPARIAN SHRUBLAND
RS-2	RIPARIAN SHRUBLAND
RS-3	RIPARIAN SHRUBLAND
RS-4	RIPARIAN SHRUBLAND
R-GW	GREASEWOOD SHRUBLAND
GW-1	GREASEWOOD SHRUBLAND
GW-2	GREASEWOOD SHRUBLAND
GW-3	GREASEWOOD SHRUBLAND
GW-4	GREASEWOOD SHRUBLAND
GW-5	GREASEWOOD SHRUBLAND
R-MDS	MIXED DESERT SHRUBLAND
MDS-1	MIXED DESERT SHRUBLAND
MDS-2	MIXED DESERT SHRUBLAND
MDS-3	MIXED DESERT SHRUBLAND
MDS-4	MIXED DESERT SHRUBLAND
MDS-5	MIXED DESERT SHRUBLAND
MDS-6	MIXED DESERT SHRUBLAND
MDS-7	MIXED DESERT SHRUBLAND
MDS-8	MIXED DESERT SHRUBLAND
MDS-9	MIXED DESERT SHRUBLAND
MDS-10	MIXED DESERT SHRUBLAND
MM-1	MATSCALE SHRUBLAND
MM-2	MATSCALE SHRUBLAND
MM-3	MATSCALE SHRUBLAND
MM-4	MATSCALE SHRUBLAND
AF-1	ANNUAL FORBS
AF-2	ANNUAL FORBS
AF-3	ANNUAL FORBS
AF-4	ANNUAL FORBS

SURFACE OPERATIONS AREA

VEGETATION COMMUNITIES	ACRES
PRIME FARMLAND CROPLAND	NONE
PASTURE LAND / HAYLAND	NONE
RIPARIAN MEADOW	10.2
RIPARIAN SHRUBLAND	17.9
WATER	NONE
ROCK/ROCK OUTCROP/TALUS	17.1
GREASEWOOD SHRUBLAND	171.9
MIXED DESERT SHRUBLAND	95.7
MATSCALE SHRUBLAND	NONE
PINYON-JUNIPER WOODLAND	NONE
COTTONWOOD WOODLAND	NONE
ANNUAL FORBS	102.9
ROADS	5.8
INDUSTRIAL (COAL MINING)	19.5
OTHER DISTURBED LANDS	NONE
TOTAL	441.0

LAND USES	ACRES
GRAZING / WILDLIFE HABITAT	415.7
INDUSTRIAL (COAL MINING)	19.5
ROADS	5.8
TOTAL	441.0

REGISTERED PROFESSIONAL ENGINEER No. 168246 RICHARD B. WHITE STATE OF UTAH

EarthFax

BASE MAP: U.S.G.S 7.5 MINUTE QUADRANGLE'S: EMERY WEST 1968, EMERY EAST 1968, PHOTO REVISED 1978, MESA BUTTE 1968, PHOTO REVISED 1978, WALKER FLATS 1968, PHOTO REVISED 1978.
COORDINATE SYSTEM: STATE PLANE COORDINATES: NAD 83/92-UTAH, CENTRAL - US FEET, VERTICAL DATUM - NAVD 88-US FEET

ORIGINAL FIELD SURVEY: 5/90 AND REPORT 12/90 BY STOECKER-KEAMMERER AND ASSOC.
EXTERNAL REFERENCE:
G:\UC982\03\DWG\XREF-USGSMAP.DWG
G:\UC982\03\DWG\XREF-PERM-JAN2001.DWG
G:\UC982\03\DWG\XREF-SECTION.DWG
G:\UC982\03\DWG\XREF-WORKS-JUL06.DWG

REVISIONS NO.	DATE	BY	DESCRIPTION
1	8/20/01	TDK	AM01B AMMENDMENT TO REFERENCE AREA
2	6/30/05	JAG	ADDED FIRST NORTH I.B.C.
3	09/05	JAG	1st SOUTH FULL EXTRACTION
4	12/12/06	JAG	1BT NORTH FED LEASE IBC, FULL EXTRACTION
5	04/07	JAG	14/15W, 4E, 6W FULL EXTRACT.

0' 1000'
SCALE: 1" = 1000'
CONTOUR INTERVAL = 40'

DRAWN BY: SWF
CHECKED BY: JAG
ORIGINAL DATE: 8/95
RE-DRAWN DATE: 12/05
APPROVED BY: JAG
DWG DATA: G:\UC982\03\DWG\APRIL SUB. PLATE VIII-1-APRIL18.DWG

EMERY MINE
EMERY COUNTY, UTAH
PERMIT NO. ACT015/015

CONSOLIDATION COAL COMPANY
P.O. BOX 566
SESSER, IL 62884-0566

PLATE VIII-1
VEGETATION AND LANDUSE MAP

RECEIVED
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