R5E R6E

E.1,700,000 E.1,710,000 E.1,720,000

N.6,760,000

PERMIT BOUNDARY

FED LEASE U-52057

FED LEASE U-52057

14th WEST

15th WEST

8th WEST

4th EAST

ZERO NORTH

EXCLUSION AREA (NO MINING) REMOVED FROM LEASE

MDS-1 MDS-2 MDS-3 MDS-4 MDS-5 MDS-6 MDS-7 MDS-8 MDS-9 MDS-10

GW-1 GW-2 GW-3 GW-4 GW-5

RM-1 RM-2 RM-3 RM-4 RM-5

R-RM R-MDS R-GW

AF-1 AF-2 AF-3 AF-4

RS-1 RS-2 RS-3 RS-4

MM-1 MM-2 MM-3 MM-4

T 22 S
T 23 S

N.6,750,000

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
- FOR ADDITIONAL VEGETATION DETAIL SEE CHAPTER XII

- 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

RECEIVED
APR 30 2008
DIV. OF OIL, GAS & MINING

REGISTERED PROFESSIONAL ENGINEER AND LAND SURVEYOR
No. 168246
RICHARD B. WHITE
STATE OF UTAH
25 Apr 2008

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 CONUS, ZONE 4302–UTAH, CENTRAL – US FEET
VERTICAL DATUM – NAVD 88–US FEET

ORIGINAL FIELD SURVEY:
3/80 AND REPORT 12/80 BY STOECKER–KLAMMER AND ASSOC.

EXTERNAL REFERENCE:
C:\UC982\03\DWG\REF–USGSMAP.DWG
C:\UC982\03\DWG\REF–PERM–JAN2007.DWG
C:\UC982\03\DWG\REF–SECTION.DWG
C:\UC982\03\DWG\REF–WORKS–JULY06.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	1ST NORTH FED LEASE IBC, FULL EXTRACTION
5	04/07	JAG	14/15W, 4E, 6W FULL EXTRACT, ZERO NORTH
6	03/08	JAG	ADDITIONAL FULL EXTRACTION ZERO NORTH

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\08\FULL EXTRACTION PLANS\ZERO NORTH\PLATEVIII–1–ZN.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

G:\UC982\08 – Full extraction plans\ZERO–NORTH\PLATE VIII–1–ZN.dwg, 4/25/2008 10:55:02 AM