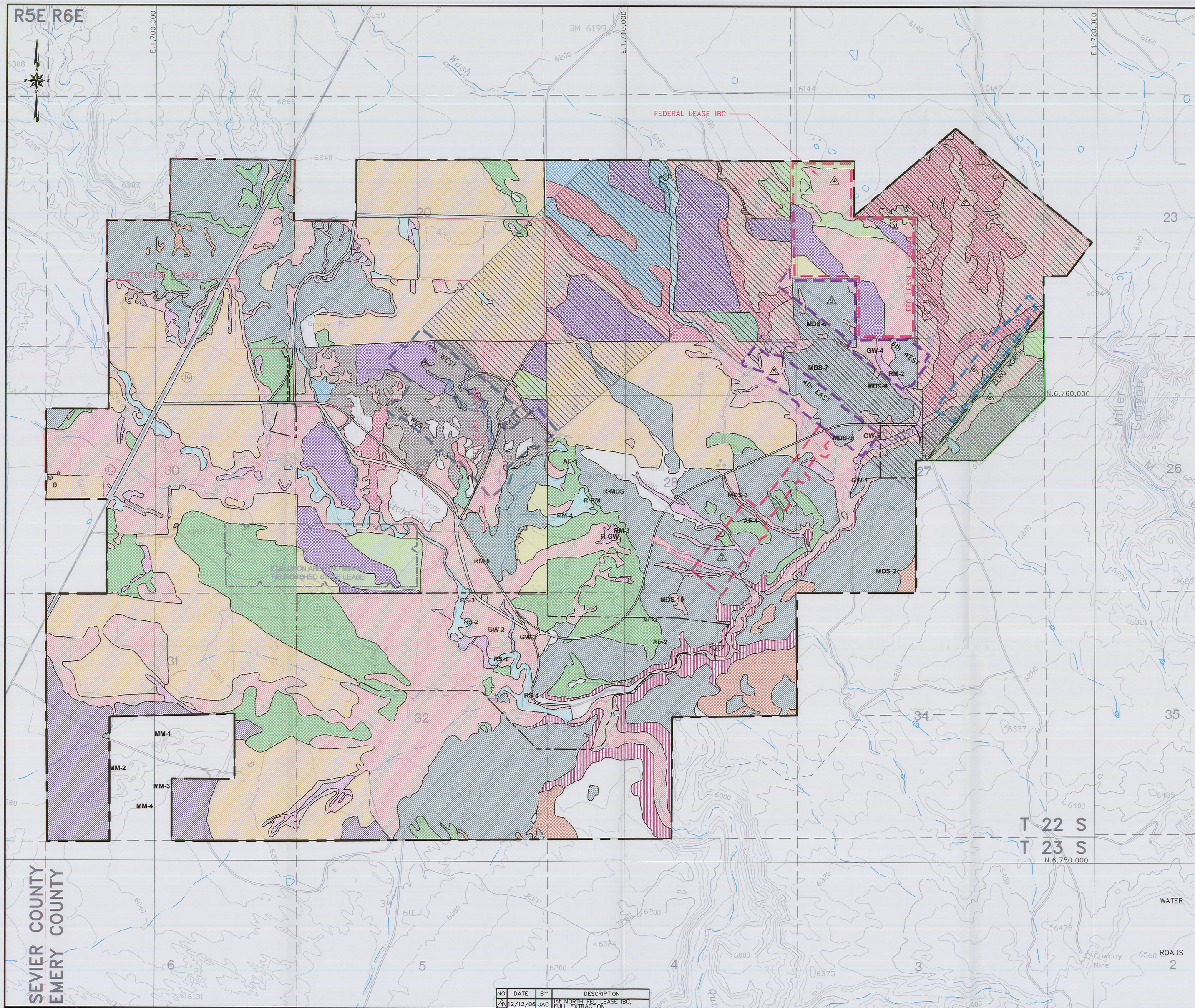

LEGEND

- PERMIT AREA BOUNDARY (SOME VEGETATION REMOVED)
- ADJACENT AREA FOR NON-WATER RESOURCES. FOR THE AREA OF HYDROLOGIC EVALUATION, SEE PLATE VI-4
- ADJACENT AREA BOUNDARY REVISION
- 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 (143 ACRES)
- PASTURE LAND/DRY (23 ACRES)
- PASTURE LAND/IRRIGATED (155 ACRES)
- RIPARIAN MEADOW
- RIPARIAN SHRUBLAND
- GREASEWOOD SHRUBLAND
- MIXED DESERT SHRUBLAND
- MATSCALE SHRUBLAND
- PINYON-JUNIPER WOODLAND
- COTTONWOOD WOODLAND
- ANNUAL FORBES
- SALT GRASS
- CATTAIL/SALTGRASS
- SHADSCALE
- OTHER SURFACE DISTURBANCE
- ROCK OUTCROP/TALUS
- SHADSCALE/WINTERFAT
- MAT SALTBRUSH
- WIREGRASS/SALTGRASS
- RUSSIAN OLIVE
- SAGEBRUSH
- TAMARISK
- LIFE OF MINE AREA TO BE FULLY EXTRACTED

NOTE:
ALL ACRES IN ( ) ARE RENEWABLE RESOURCE LANDS.

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

MAP SYMBOL	COMMUNITIES
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

RECEIVED
JUN 16 2009
DIV. OF OIL, GAS & MINING

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

NO.	DATE	BY	DESCRIPTION
1	12/12/06	JAG	1st NORTH FED LEASE IBC, FULL EXTRACTION
2	04/07	JAG	14/15W, 4E, 6W FULL EXTRACT.
3	03/08	JAG	ADDITIONAL FULL EXTRACTION ZERO NORTH
4	03/08	JAG	LIFE OF MINE FULL EXTRACTION
5	05/09	JAG	ZZ NORTH, ADJ. VS. PERMIT DEF. 3099

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

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 FLATE 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 STOLOKER-KLAMMERER AND ASSOC.

EXTERNAL REFERENCE:
G:\UC982\VREF-CURRENT\VREF-USGSMAP.DWG
G:\UC982\VREF-CURRENT\VREF-PERM-NP.DWG
G:\UC982\VREF-CURRENT\VREF-SECTION.DWG
G:\UC982\VREF-CURRENT\VREF-LOM.DWG

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

DRAWN BY: SWF
APPROVED BY: JAG
CHECKED BY: JAG
ORIGINAL DATE: 8/95
RE-DRAWN DATE: 12/05
DWG DATA: G:\UC982\12\PRESUBSIDENCE SURVEYS\TOTAL EXT\PLATEVIII-1-TOT.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