

Jurisdictional Permit and Affected Lands Map Drawing #85360

Southwest Sheet



Black Mesa Complex
PO Box 650
Kayenta, Arizona 86033

Produced by PWCC GIS
Apr 25, 2008

T:\Projects\JPH 85360\Maps\JPH 1000.mxd

1 Inch = 1000 Feet
2006 Contours
20 foot interval
Indexes at 100 feet



PWCC

Mine Facilities

— SNIP/WCS Railroad

— Structures

— Facility

— Permit

— Indexes (between releases)

— October 16, 1977

— May 16, 1977 through

— 1001 (February 2, 1982

— 12-0002A

— 12-0001D

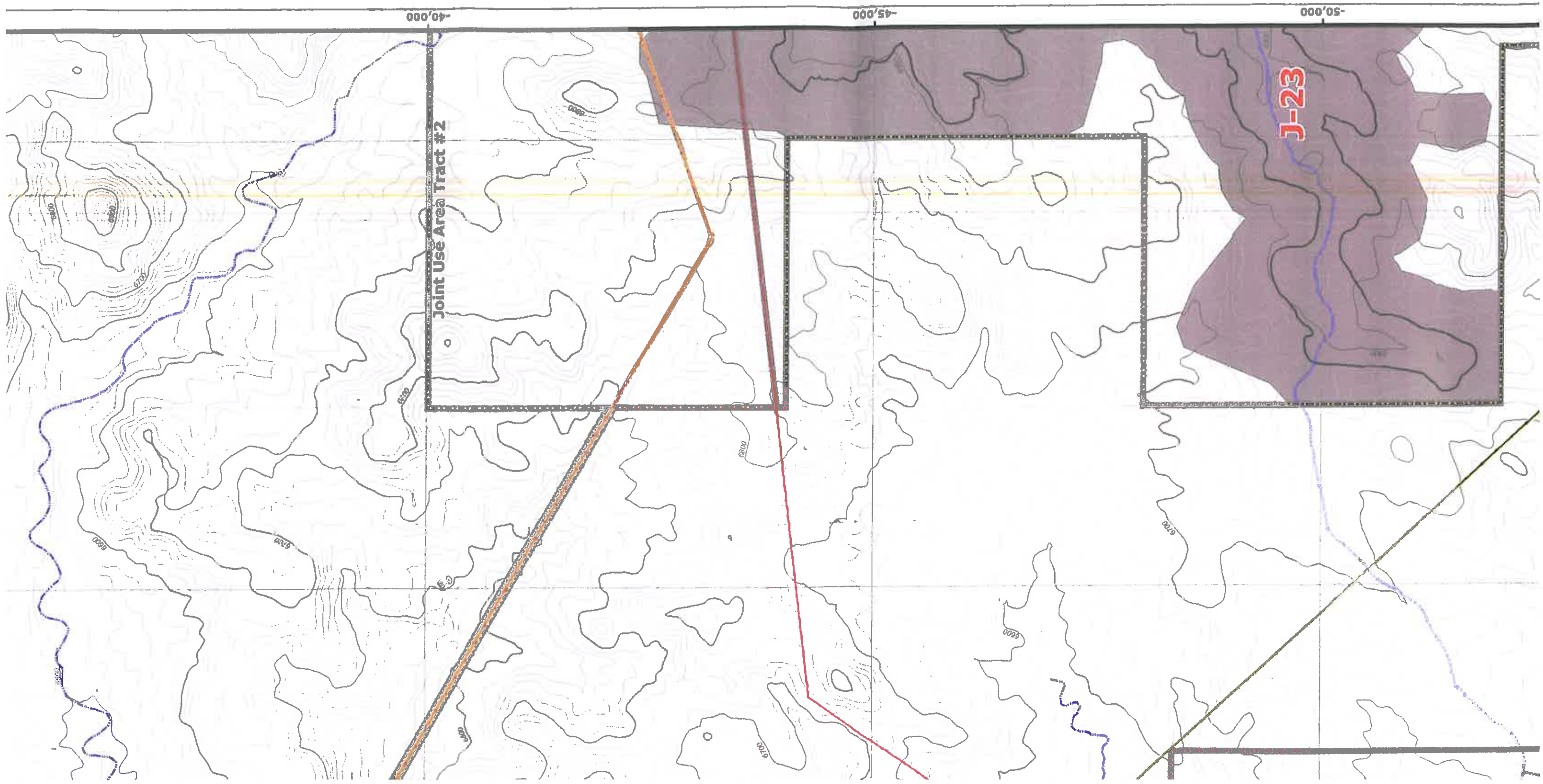
— 111 affected lands

Disturbance other than Draglines

may occur.

Fracture Overburden Removal in

use of Recovering Coal.



Joint Use Area Tract #2

J-23

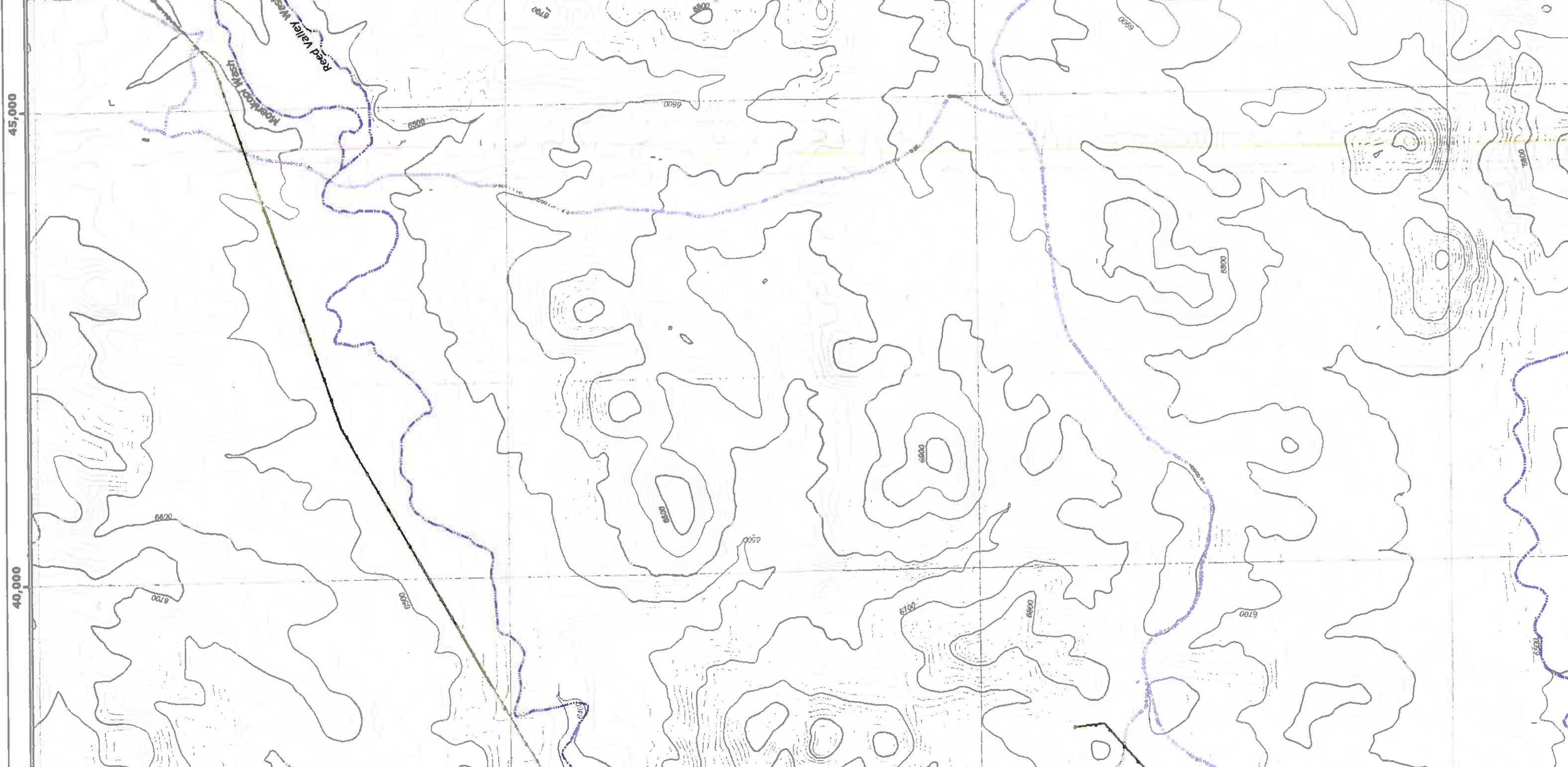
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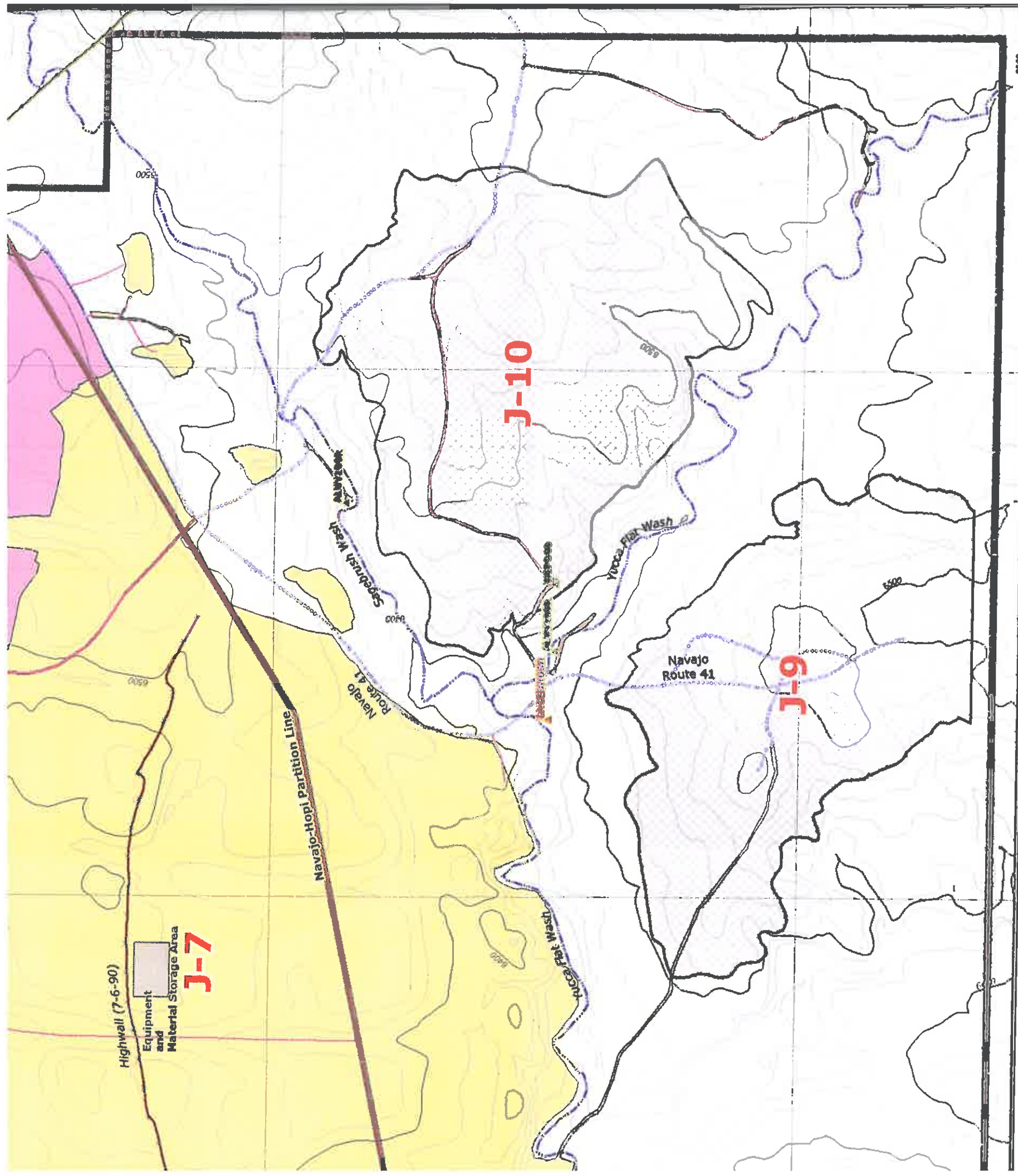
-45,000

-50,000

Joint Use Area-Tract #2

-20,000 -25,000 -30,000 -35,000





30,000

35,000

Notes:

- A. This drawing identifies those areas within the AZ-0001D permit boundary where various reclamation standards apply. Additionally, the drawing indicates the orientation and direction of mining pits and the boundaries of dragline stripping areas and associated disturbance for the current five-year permit term.
- B. The permit reference index can be found in Volume 11, Chapter 25, Table 1. In addition, identification of individual mining-related sites may be found on the following drawings:
 - 85210 Mine Plan Map
 - 85352 Estimated PTF Map
 - 85400 Drainage Area and Facilities Map
 - 85405 Sediment and Water Control Structures Map
 - 85405 Permanent Roads Map
 - 85445 Mine Facilities Map
 - 85460-85490 Environmental Monitoring Maps
 - 85600 & 93500 Bonding Map
- C. Due to the extensive areal extent of the Black Mesa Complex, relatively small or narrow linear disturbance sites (e.g., environmental monitoring sites, sedimentation ponds, topsoil stockpiles, utility lines, conveyors, roads, etc.) are assumed to include the disturbance created during the construction and/or reclamation of these sites. For purposes of this map only, the approximate center or centerline of the disturbance area is shown.

Mine Plan and Pit Data

- Mine Plan Block (2007-2013)
- Peters Coal Resource Area (2013 and beyond)
- Miner-Out Area
- Highwall (7/6/1990)
- Geologic Cross-section
- 710 Ft Buffer
- Pit Advance Direction

Protected Areas

- TCR sites
- Protected Area

Stockpiles and Scorria Pits

- Topsoil Stockpile On Spoil
- Topsoil Stockpile On Spoil
- Coal Stockpile
- Scorria Pit
- Filled Coal Stockpile

Minor EO Sites

- Disturbance Permit 01
- Permanence Permit 1D
- Disturbance Permit 01
- Permanence Permit 1D

Major EO Sites

- Disturbance Permit 01
- Permanence Permit 1D

Water Features

- Existing Water Improvement
- Proposed Water Improvement
- Storage Facility
- PWCC Water Line
- Navajo Water Well
- Major Drainage

Administrative Boundaries

- 01 Permit Line
- 1D Permit Line
- Navajo-Hopi Partition Line
- PWCC Permit 01
- PWCC Permit 1D
- Primary
- Accessory
- Non-Mining Road

Roads

- PWCC Permit 01
- PWCC Permit 1D
- Primary
- Accessory
- Non-Mining Road

Powerlines

- PWCC
- Non-PWCC

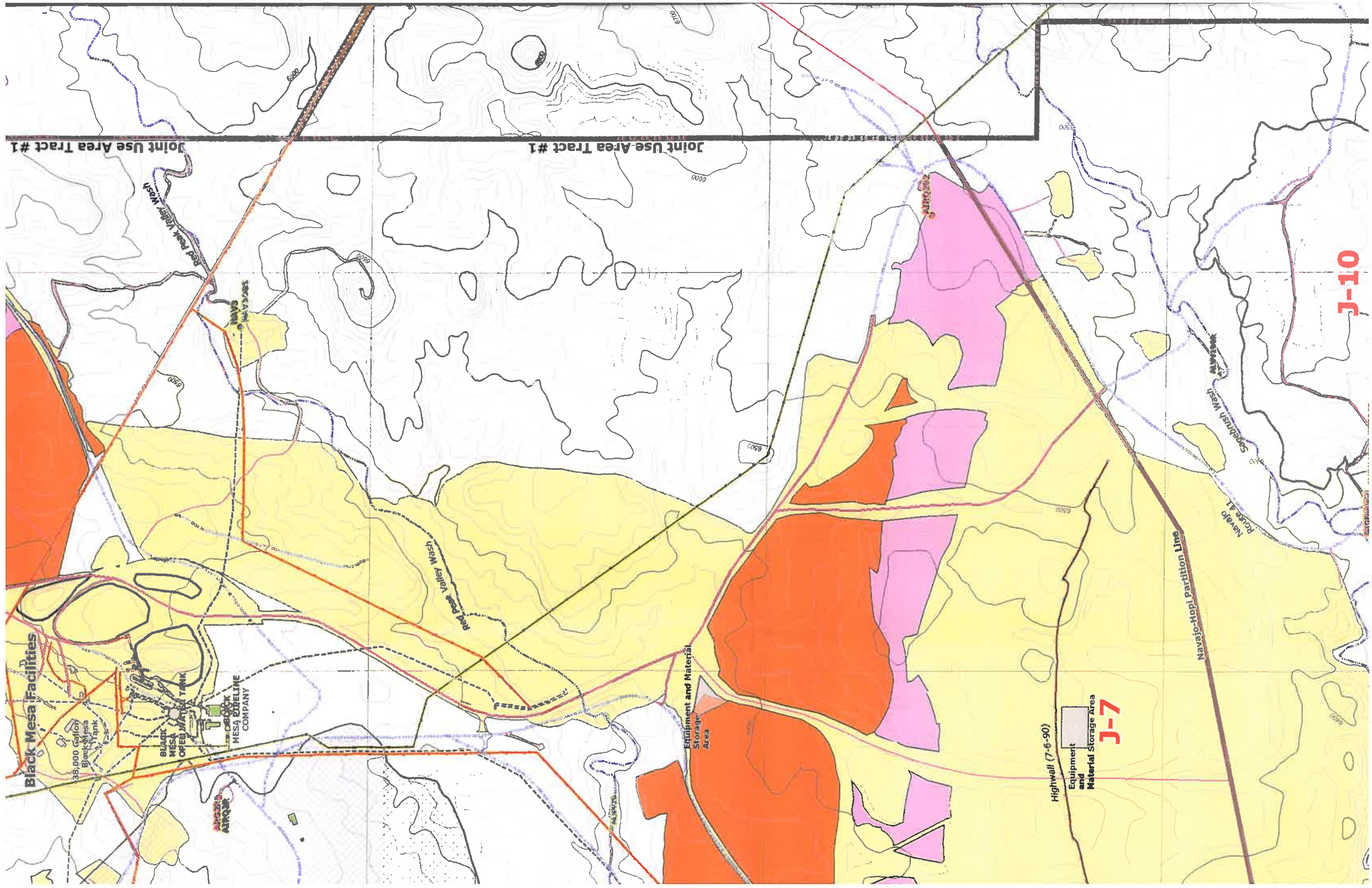
Coal Transport and Mine Facilities

- PWCC Conveyor
- SRP/RS
- PWCC Buildings and Structures
- Explosives Storage Facility

Permit (JPM) Current Permit

- Pre-Low Release
- Termination of Jurisdiction (Interim)
- Pre-Low (July-December 15, 1977)
- Pre-Interim (December 16, 1977 thru February 1, 1982)
- Interim Permit AZ-0001 (February 2, through July 1, 1990)
- Permanence Permit AZ-0002A
- Permanence Permit AZ-0001D
- Permit 1D 2010-2011 affected lands
- Revised 2011

- (1) Defines Area in which Disturbance other than Overburden Removal may Occur.
- (2) Defines Area in which Dragline Overburden Restricted for the Purpose of Reclaiming



Joint Use Area Tract #1

Joint Use Area Tract #1

J-10

Black Mesa Facilities

38,000 Gallon
Black Mesa
Tank

Black
Mesa
Open Water
Tank

Black
Mesa
Edeline
Company

AIRBORNE
AIRBOR

Equipment and Material
Storage
Area

Highway (7-6-90)

Equipment
and
Material Storage Area

J-7

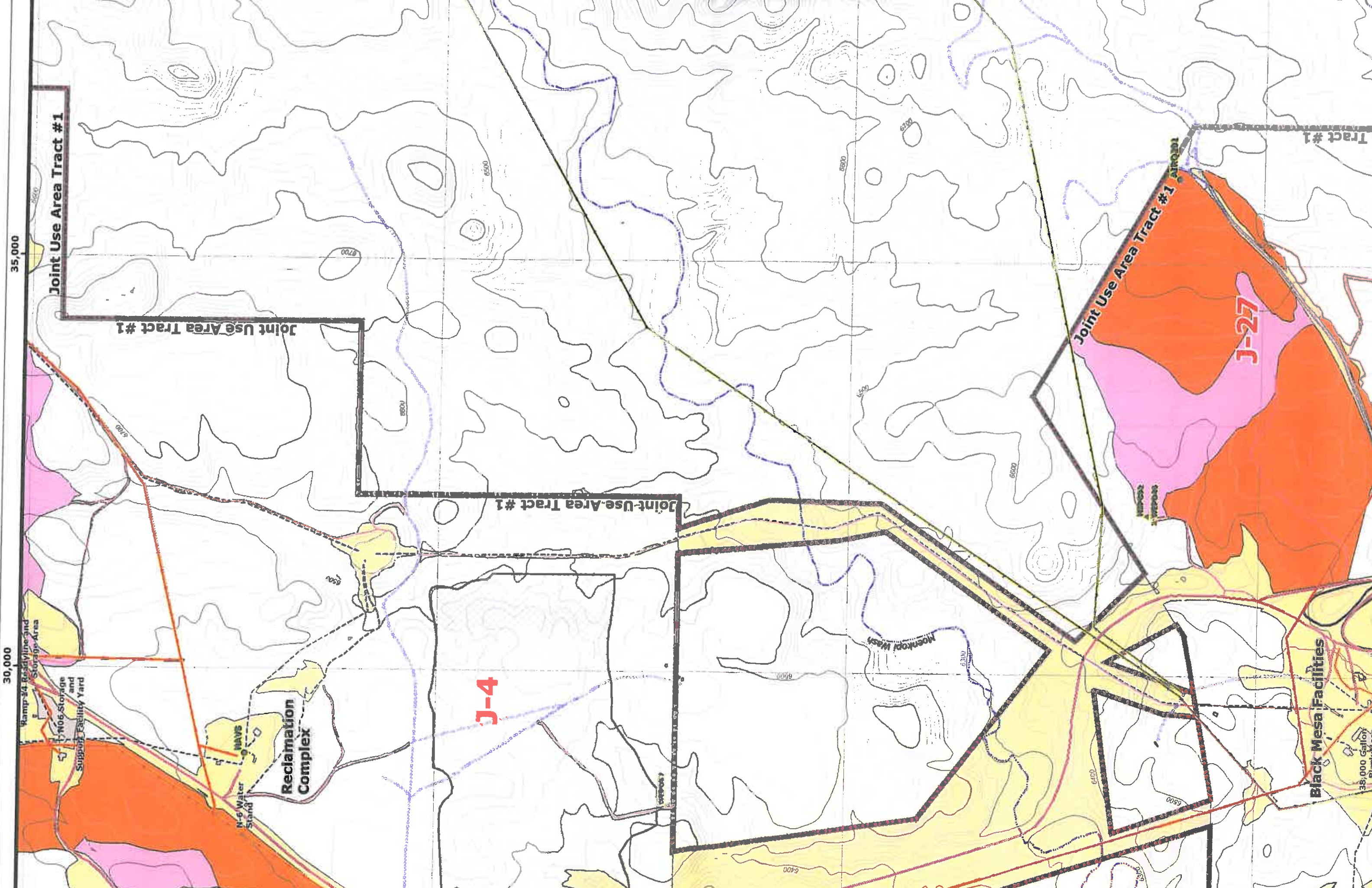
Navajo-Hopi Partition Line

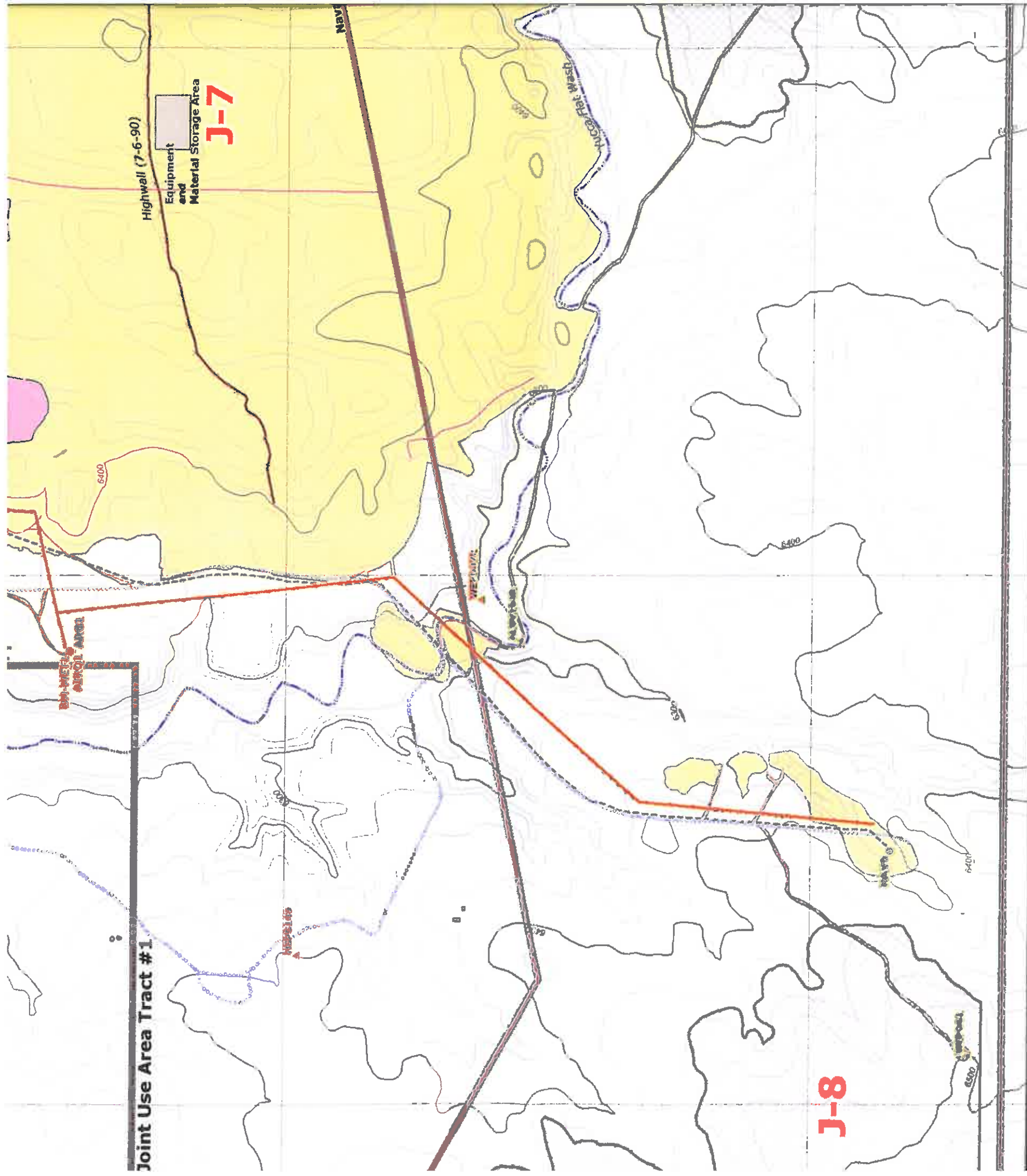
Navajo
Route #1

Spanish
Wash

Sagehen
Wash

Red Peak
Valley
Wash





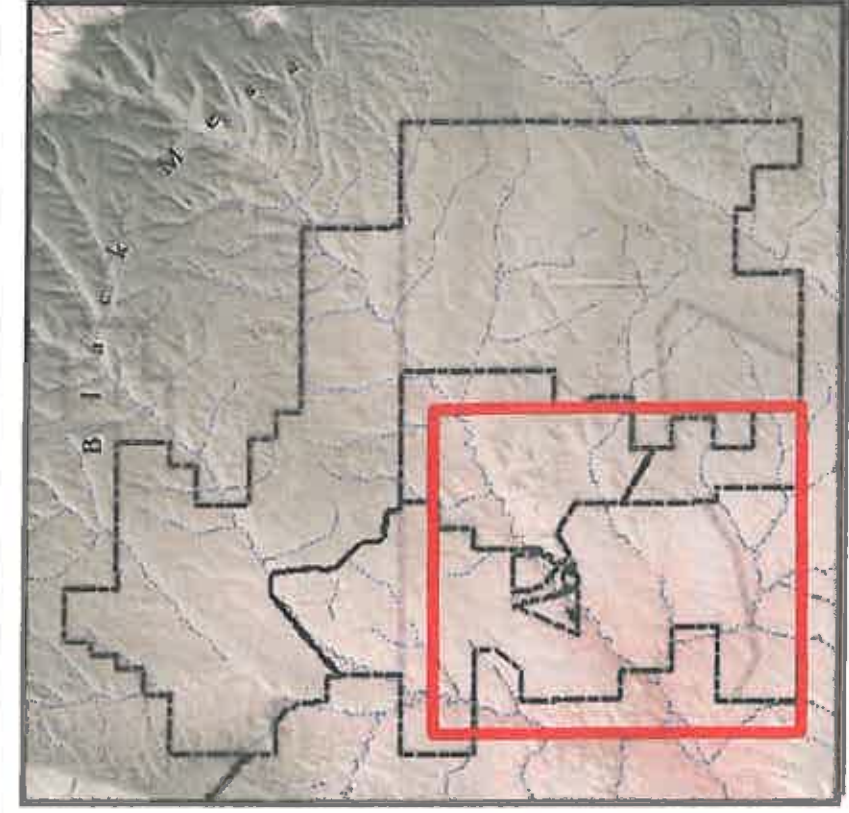
20,000

25,000

30,000

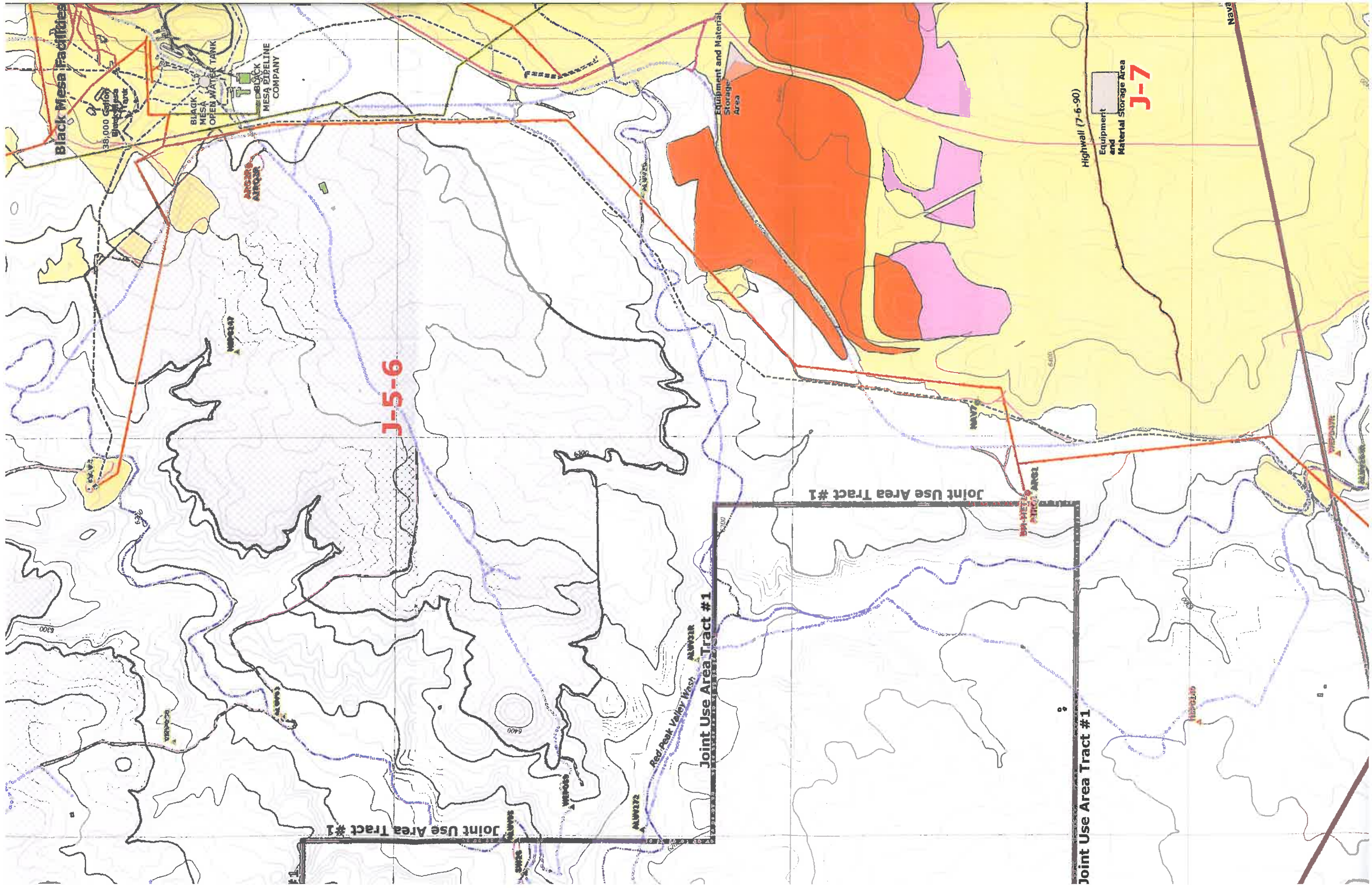
MAP REVISIONS

DATE	DESCRIPTION
01-20-2004	5 Yr. Mineplan Rev.
06-05-2004	Powerline Rev.
01-14-2005	N-9 5 Yr. Mineplan Rev.
02-25-2005	Permit Renewal
06-15-2005	N-9 Facilities Rev.
06-15-2005	N-09 & N-06 Facilities Rev.
12-15-2005	N-09 Sequence Rev.
01-20-2006	OSM Response
04-12-2006	Roads and TCP Revisions
07-12-2006	Support Facility Revisions
03-21-2007	Feature Revisions / Software Upgrade
12-21-2007	Mine Wide Feature Update
04-25-2008	Airport Revisions



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- A. This drawing identifies those areas within the AZ-0 boundary where various reclamation standards apply. The drawing indicates the orientation and direction of the boundaries of dragline stripping areas and associated disturbance for the current five-year permit term.
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Black Mesa Facilities

38,000 Capacity Storage Area

BLACK MESA OPEN WATER TANK
BLACK MESA PIPELINE COMPANY

J-5-6

Joint Use Area Tract #1

Joint Use Area Tract #1

Joint Use Area Tract #1

Highwall (7-6-90)

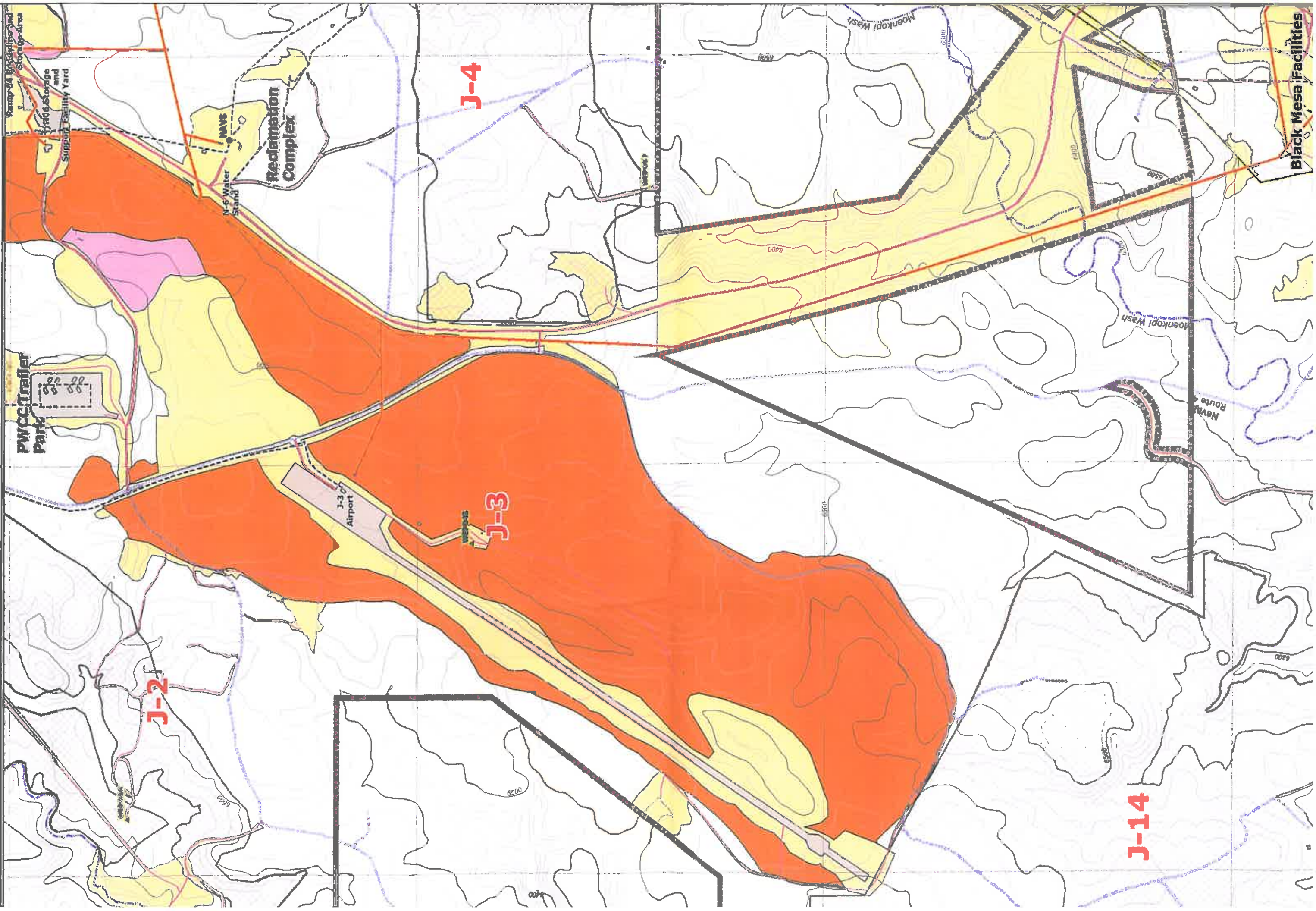
Equipment and Material Storage Area

J-7

20,000

25,000

30,000



-35,000

-30,000

-25,000

-20,000

15,000

20,000

J-15

J-14

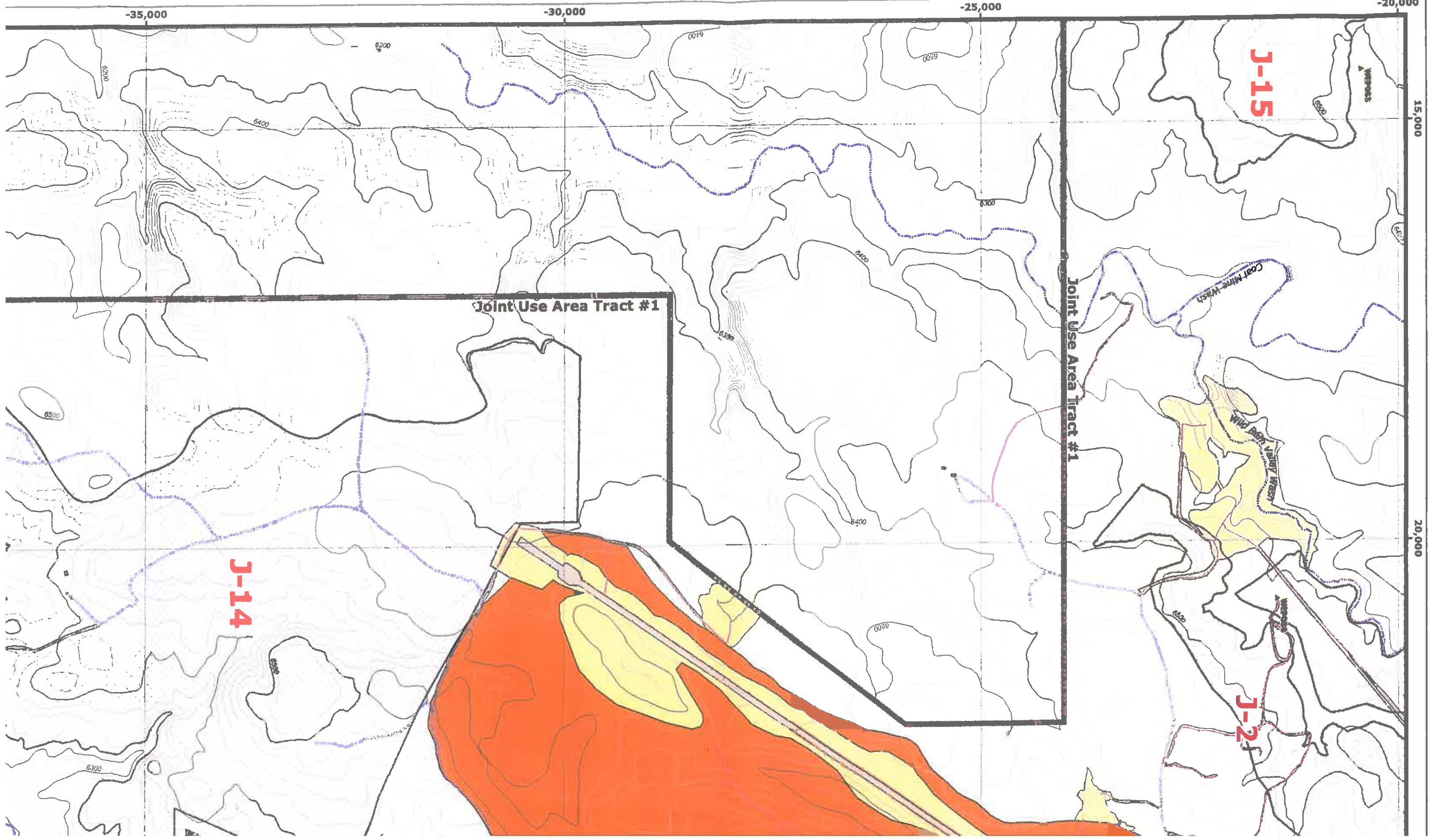
J-2

Joint Use Area Tract #1

Joint Use Area Tract #1

Coat Mine Wash

Wild Bear Wash



-50,000

-45,000

-40,000

Navajo-Hopi Partition Line

Moenkopi Wash

Coal Mine Wash

Red Peak Valley Wash

Joint Use Area Tract #1

Joint Use Area Tract #1

Joint Use Area Tract #1

Joint Use Area Tract #1

6200

6500

6100

6000

6300

6400

6300

6400

6500

6300

6400

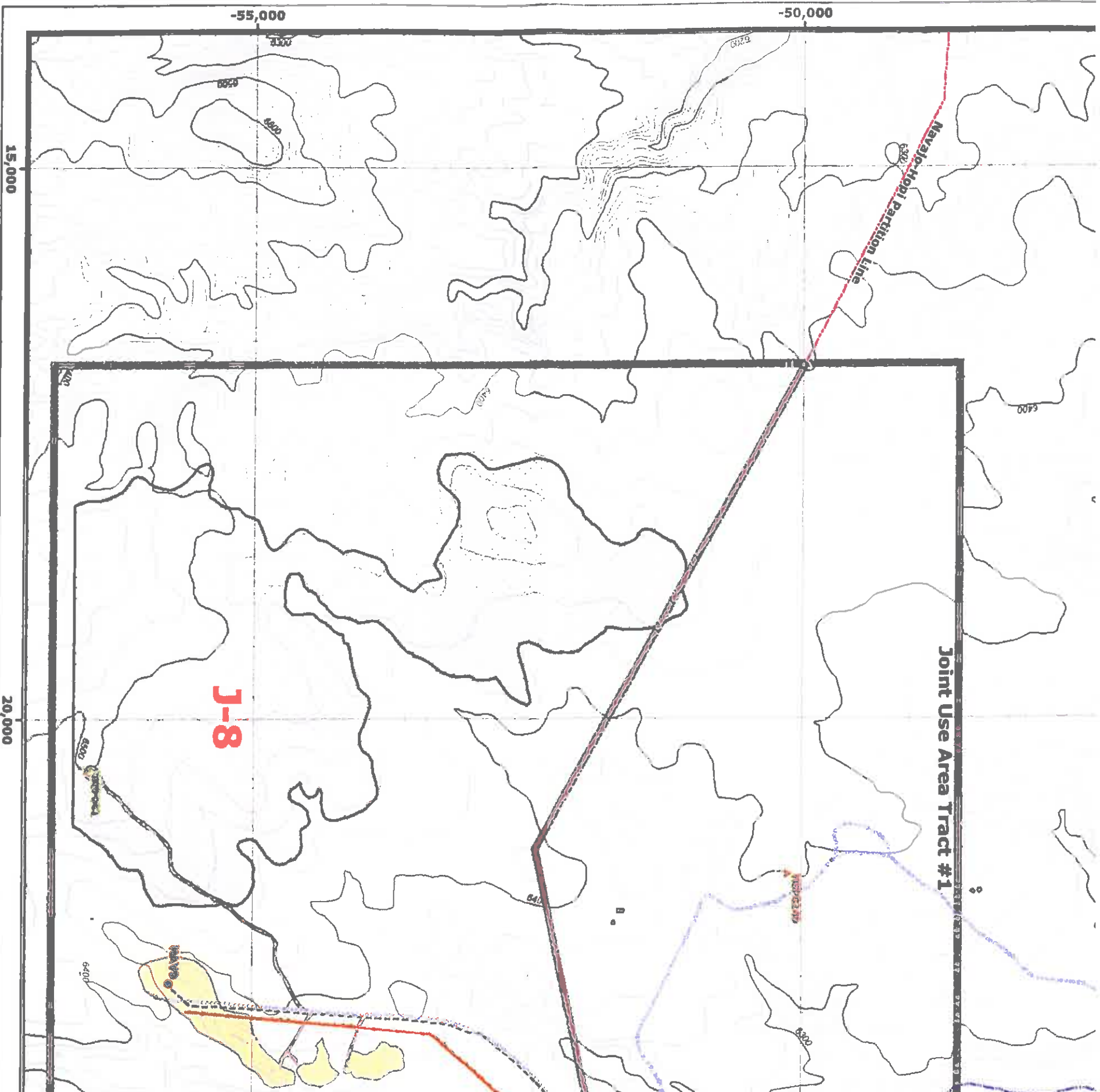
6400

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NAVJO-HOPI PARTITION LINE



ENGINEER'S CERTIFICATION



James G. Schlenvogt
James G. Schlenvogt
 Engineering Manager
 Peabody Western Coal Company

APR 25 2008
 Date

MAP REVISIONS

CHK'D	DATE	DESCRIPTION
JGS	01-20-2004	5 Yr. Mineplan Rev.
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JGS	07-12-2006	Support Facility Revisions
JGS/GW	03-21-2007	Feature Revisions / Software Upgrade
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