

# Jurisdictional Permit and Affected Lands Map Drawing #85360

Southwest Sheet

Produced by PWCC GIS  
Jun 17, 2008  
T:\Projects\JPM 85360\Maps\JPM 1000.mxd

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



**Black Mesa Complex**  
PO Box 650  
Kayenta, Arizona 86033



**Mine Facilities**

— SRP / MGS Railroad

Structures

Utility

Permit

Area (Interim release)

Area 16, 1977

Area 1977 through

February 2, 1982

Area 12A

Area 11D

Protected lands

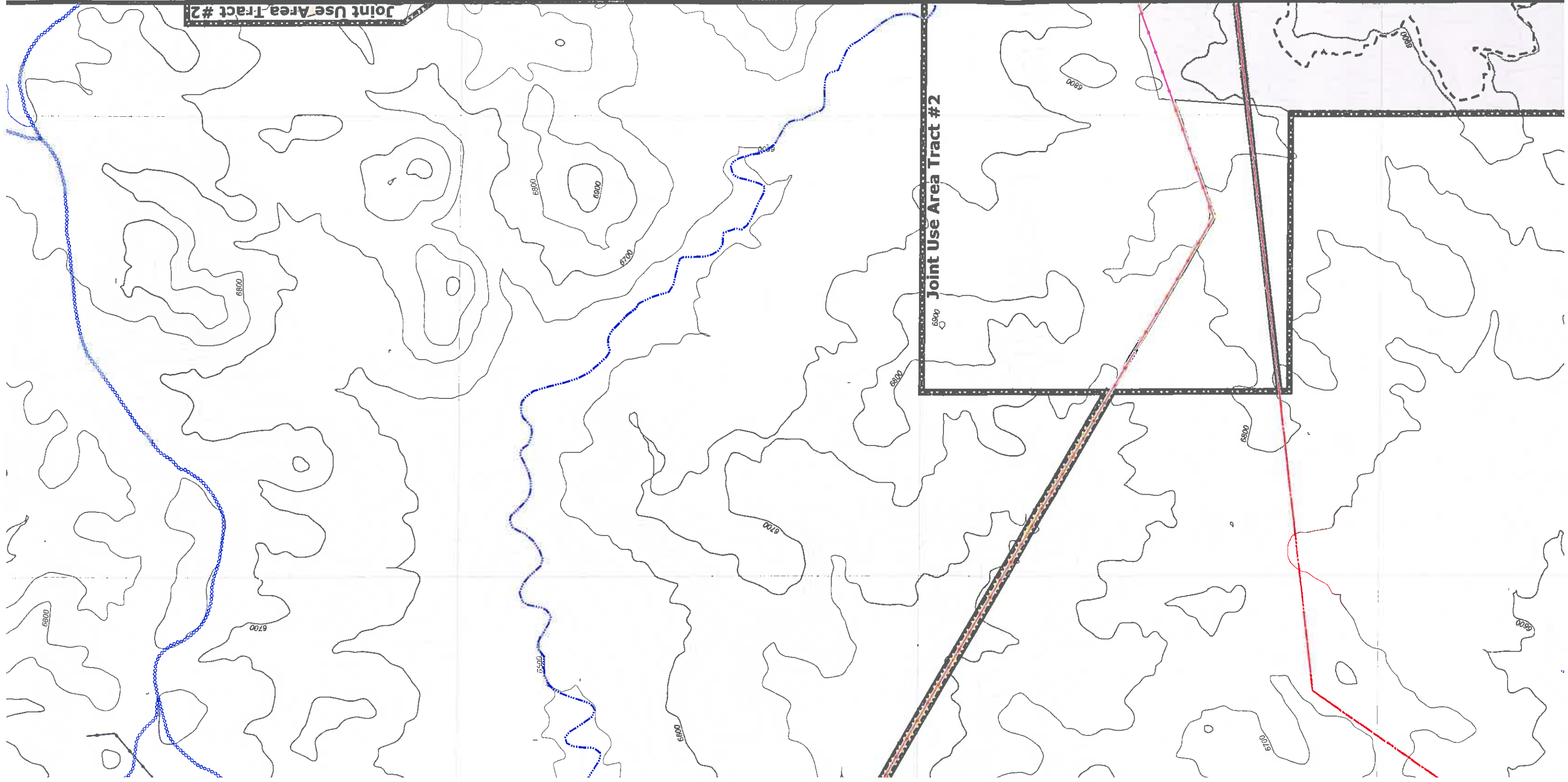
Disturbance other than Dragline Occur.

Area Overburden Removal is

of Recovering Coal.

Joint Use Area Tract #2

Joint Use Area Tract #2

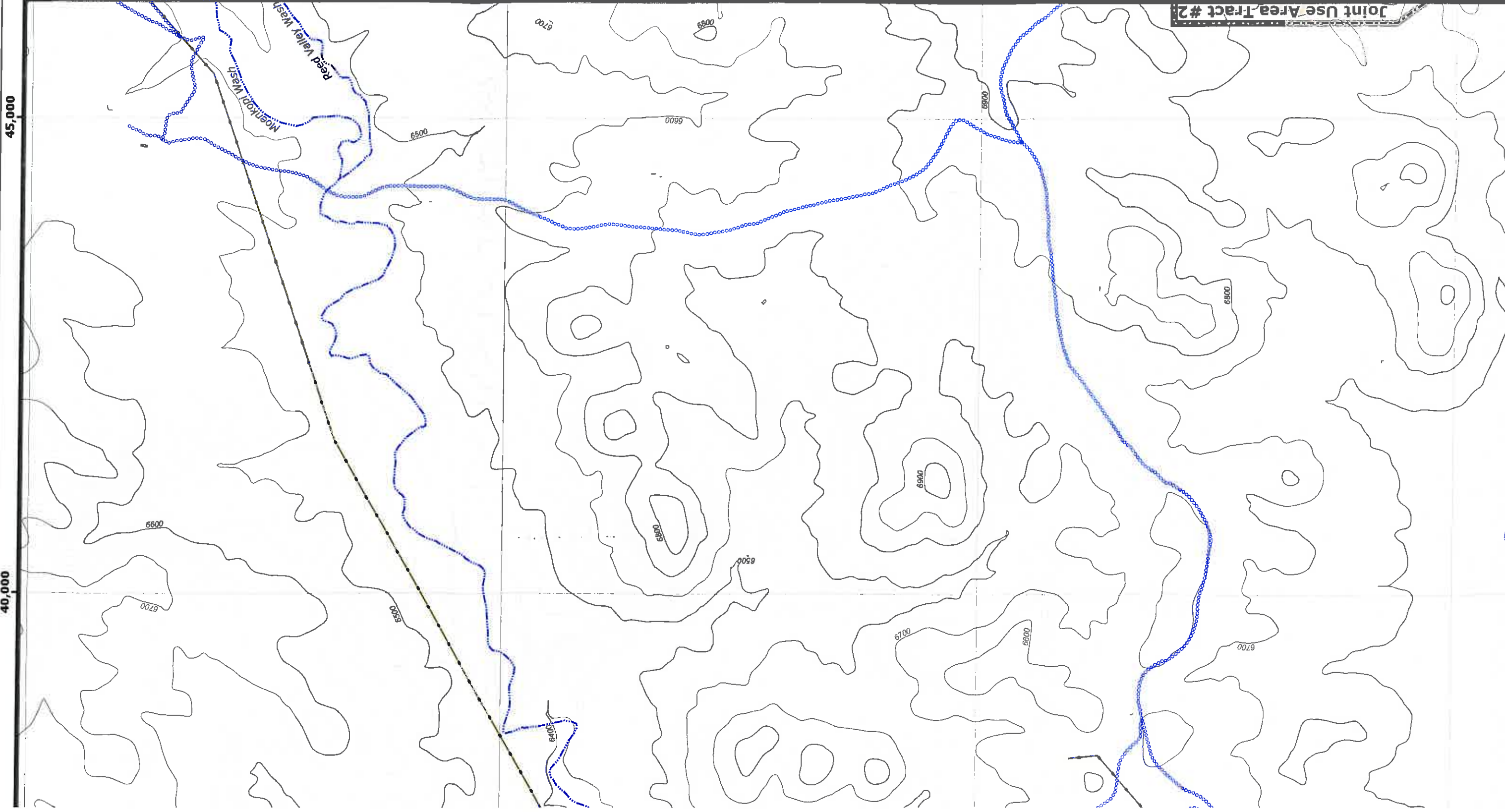


Joint Use Area Tract #2

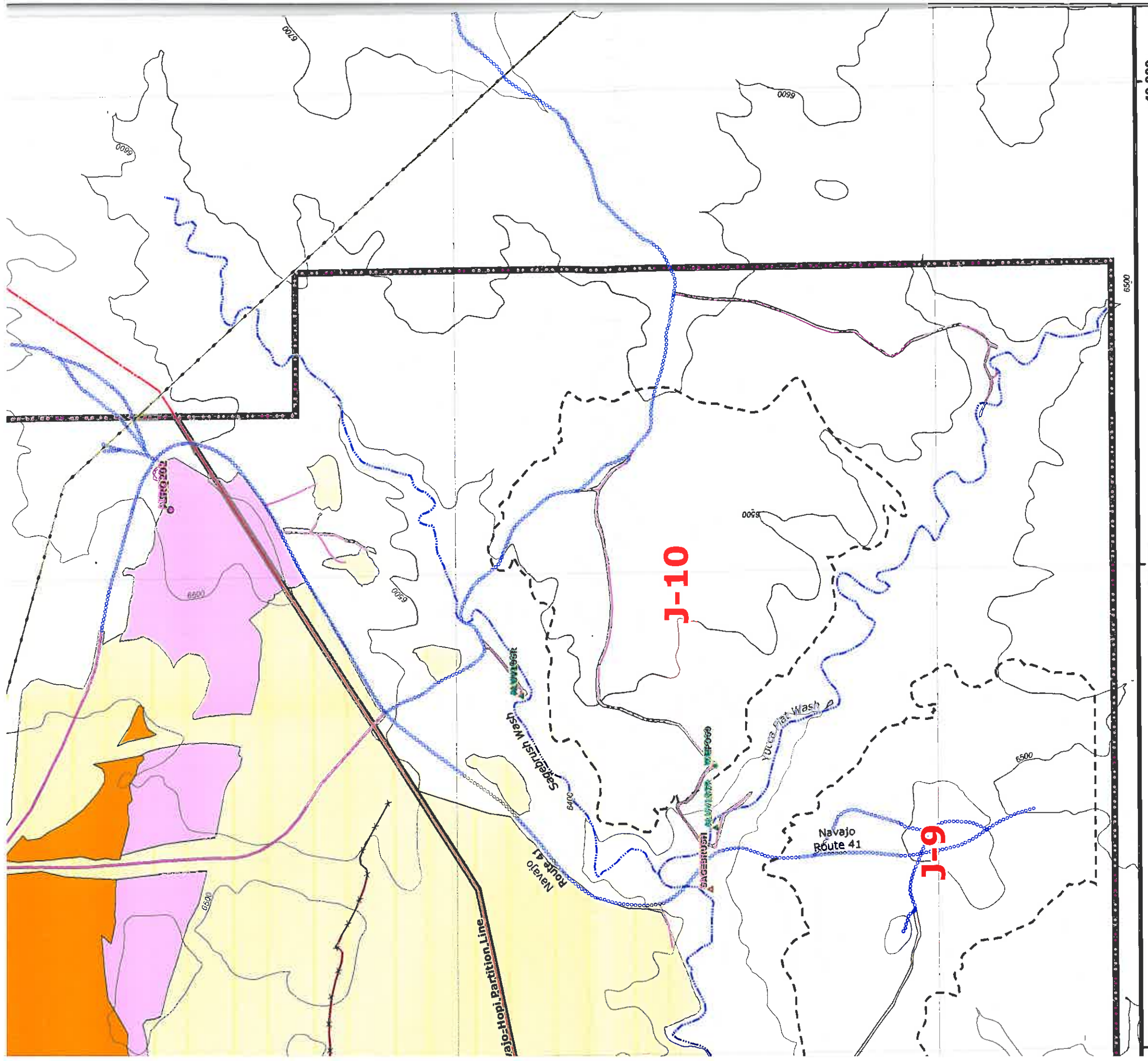
-35,000 -30,000 -25,000 -20,000

45,000

40,000







In the AZ-0001D permit areas apply. Additionally, direction of mining pits and associated features are shown in drawings:

in Volume 11, Chapter individual mining-

ilities Map  
ontrol Structures Map  
ing Maps  
e Black Mesa Complex,  
ion ponds, topsoil  
ic.) are assumed to  
construction and/or  
if this map only, the  
disturbance area is shown.

**Mine Plan and Pit Data**

- Mine Plan Block (2007-2011)
- Future Mining Area (Beyond 2011)
- Highway (7/6/1990)
- Pit Advance Direction

**Protected Areas**

- TCP Site
- Protected Area

**Stockpiles and Scorria Pits**

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

**Minor EO Sites**

- Interim Permit 01
- Permanent Permit 1D

**Major EO Sites**

- Interim Permit 01
- Permanent Permit 1D

**Water Features**

- Existing Water Impoundment
- Proposed Water Impoundment
- Sewage Facility
- PWCC Water Line
- Navajo Water Well
- Major Drainage

**Administrative Boundaries**

- 01 Permit Line
- 1D Permit Line
- Navajo-Hopi Partition Line
- PWCC Lease Line

**Roads**

- PWCC Permit 01
- PWCC Permit 1D
- Primary
- Ramp
- Ancillary
- Non-Mining Road

**Powerlines**

- PWCC
- Non-PWCC

**Coal Transport and Mine Facilities**

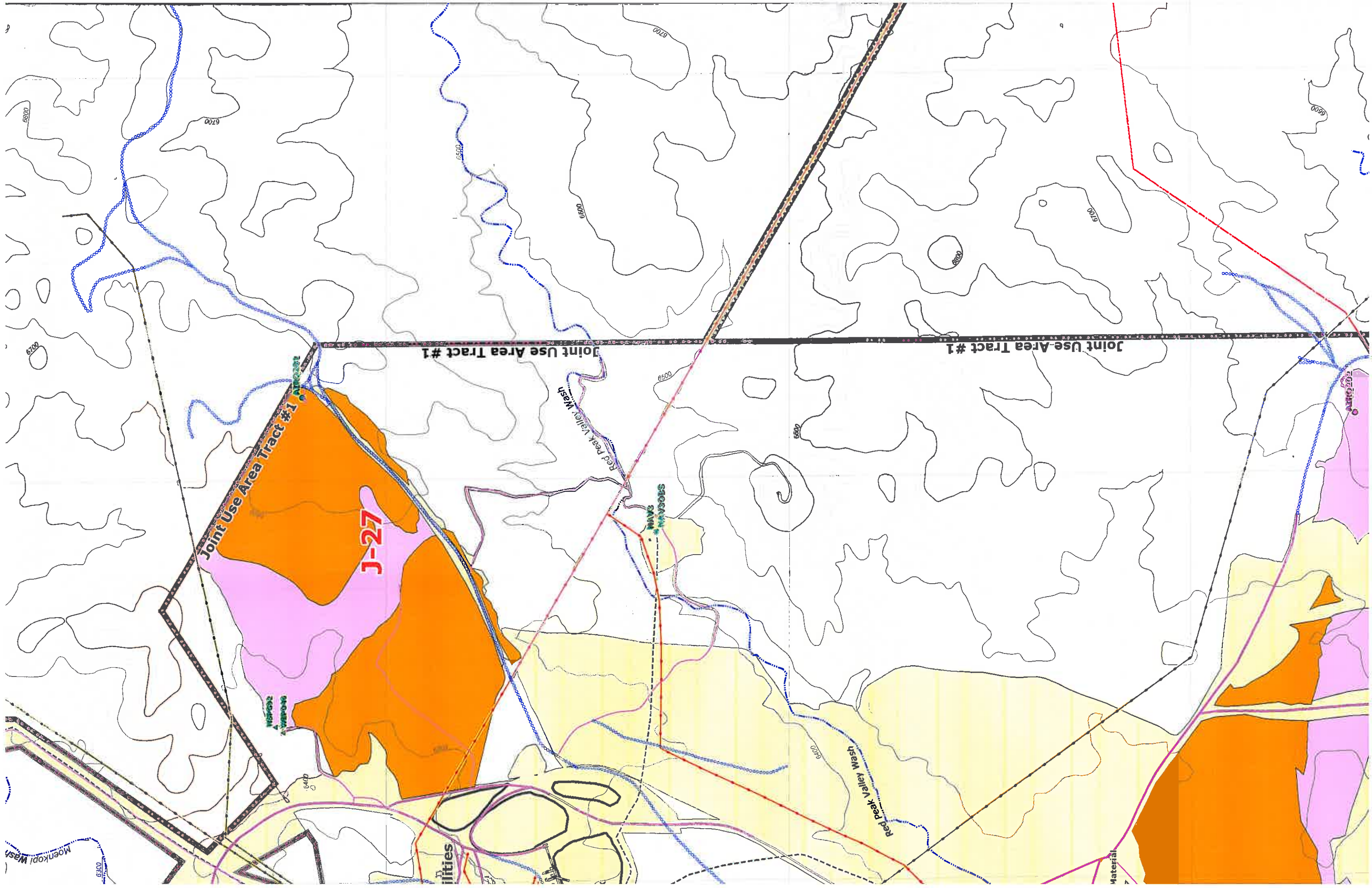
- PWCC Conveyor
- SRP/MGS Railroad
- PWCC Buildings and Structures
- Explosives Storage Facility

**Permit (JPM) Current Permit**

- Termination of Jurisdiction (Interim release)
  - Pre-Law (before December 16, 1977)
  - Pre-Interim (December 16, 1977 through February 1, 1982)
  - Interim Permit AZ-0001 (February 2, 1982 through July 1, 1990)
  - Permanent Permit AZ-0002A
  - Permanent Permit AZ-0001D
  - Permit (1D 2010-2011 affected lands)
  - Beyond 2011
- (1) Defines Area in which Disturbance other than Dragline Overburden Removal may Occur.  
(2) Defines Area in which Dragline Overburden Removal is Restricted for the Purpose of Recovering Coal.







Joint Use Area Tract #1

J-27

Joint Use Area Tract #1

Joint Use Area Tract #1

Red Peak Valley Wash

Red Peak Valley Wash

SAVINGS

Utilities

Material

Moenkopi Wash

6800

6700

6700

6500

6600

6700

6500

6500

6700

6600

6800

6800

6400

6400

6400



40,000

35,000

10

Fire and  
Ice Area

Joint Use Area Tract #1

Joint Use Area Tract #1

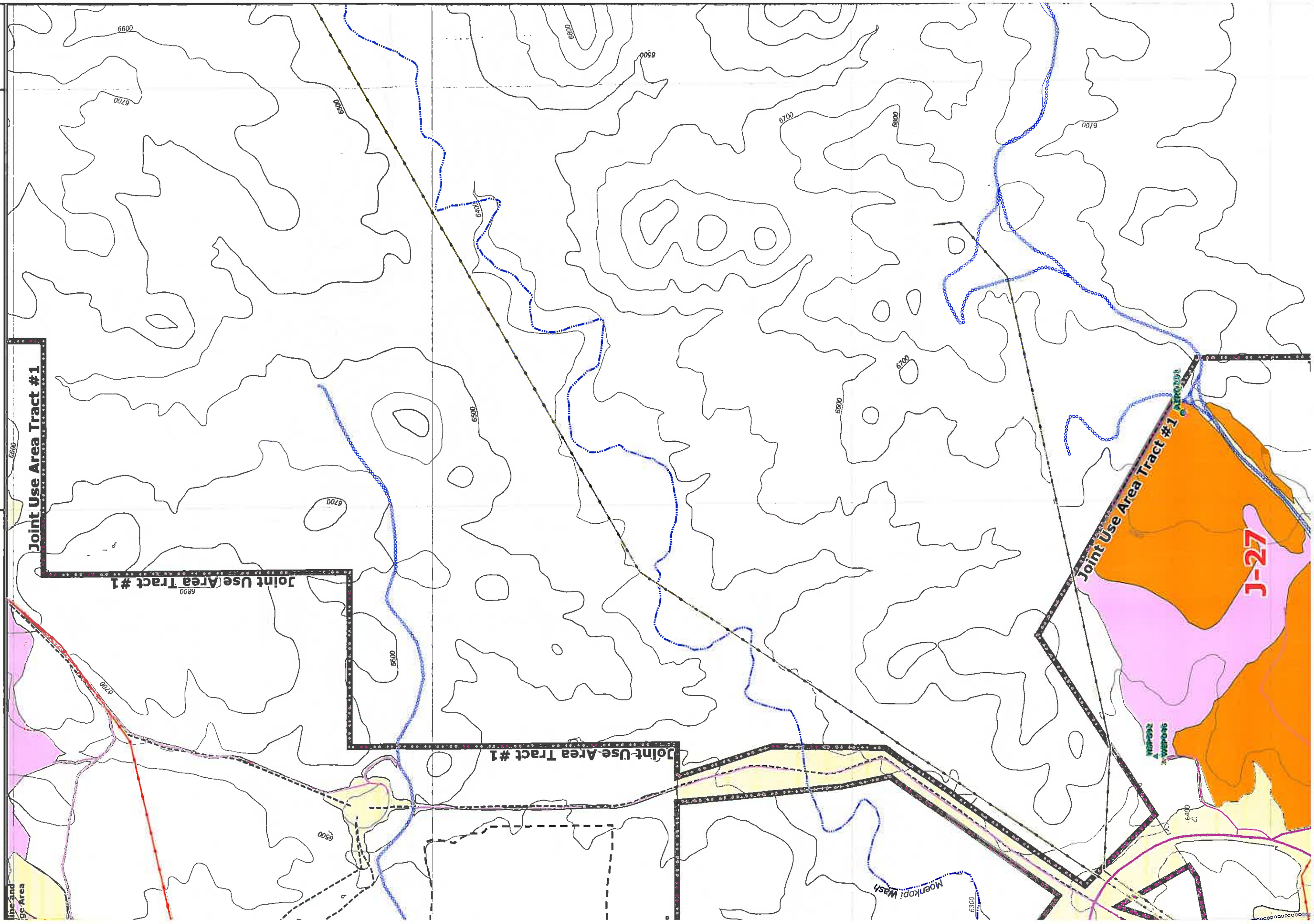
Joint Use Area Tract #1

Joint Use Area Tract #1

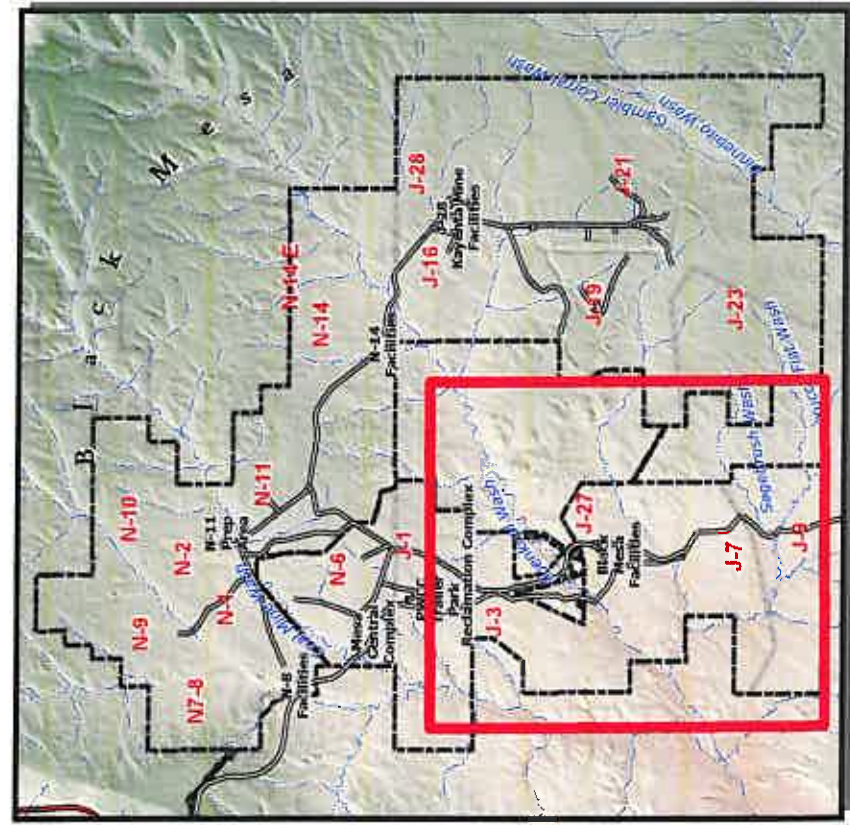
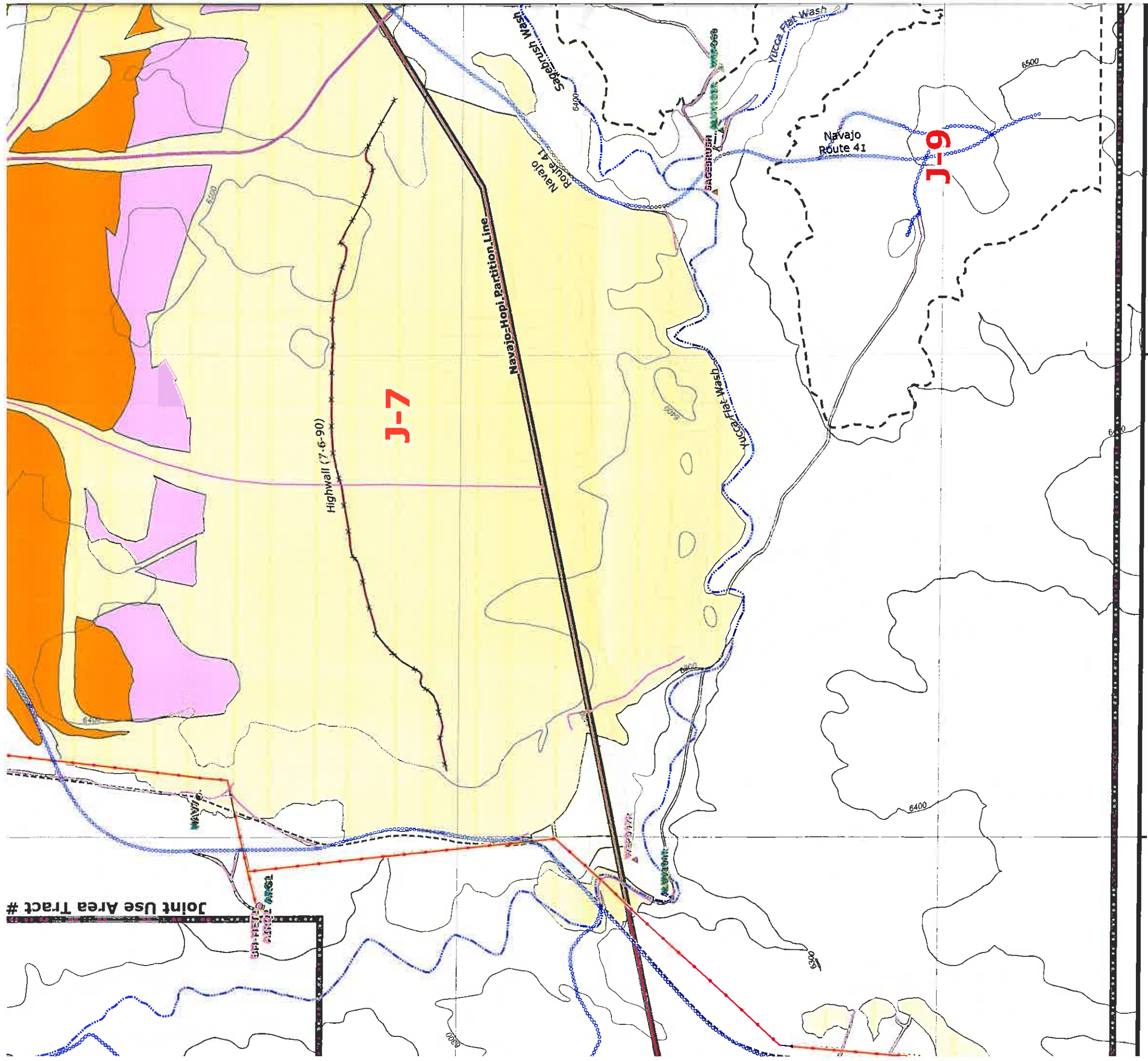
J-27

Moenkopi Wash

WATER  
WATER







**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 PMT Map
  - 85400 Drainage Area and Facilities Map
  - 85405 Sediment and Water Control Structures Map
  - 85445 Permanent Roads Map
  - 85460-85490 Mine Facilities Map
  - 85500 & 93500 Environmental Monitoring Maps
  - 89800 Bonding Map
- C. Due to the extensive aerial 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 (2007-2011)
- Future Mining Area (Beyond 2011)
- Highwall (7/6/1990)
- Pit Advance Direction

**Protected Areas**

- TCP Site
- Protected Area

**Stockpiles and Scoria Pits**

- Topsoil Stockpile
- Off Spill
- Coal Stockpile
- Tilled Coal Stockpile
- Topsoil Stockpile On Spill
- Scoria Pit

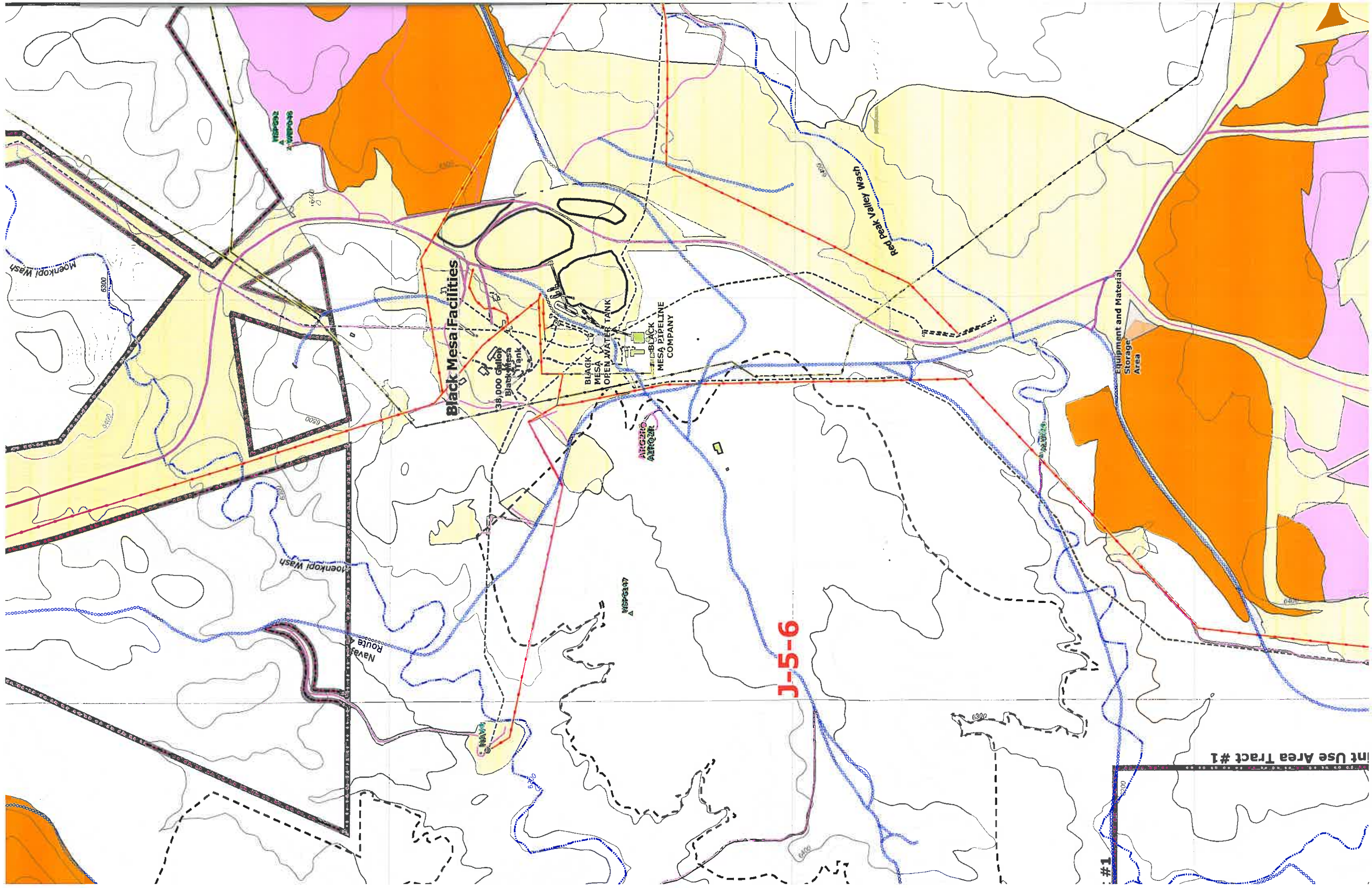
**Minor EQ Sites**

- Interim Permit 01
- Permanent Permit 1D

**Major EQ Sites**

- Interim Permit 0
- Permanent Perm





**J-5-6**

Int Use Area Tract #1

**#1**



25,000

30,000

PWCC Trailer  
Park

Ramp 3/4 Readline and  
Storage Area  
N06 Storage  
and  
Support Facility Yard

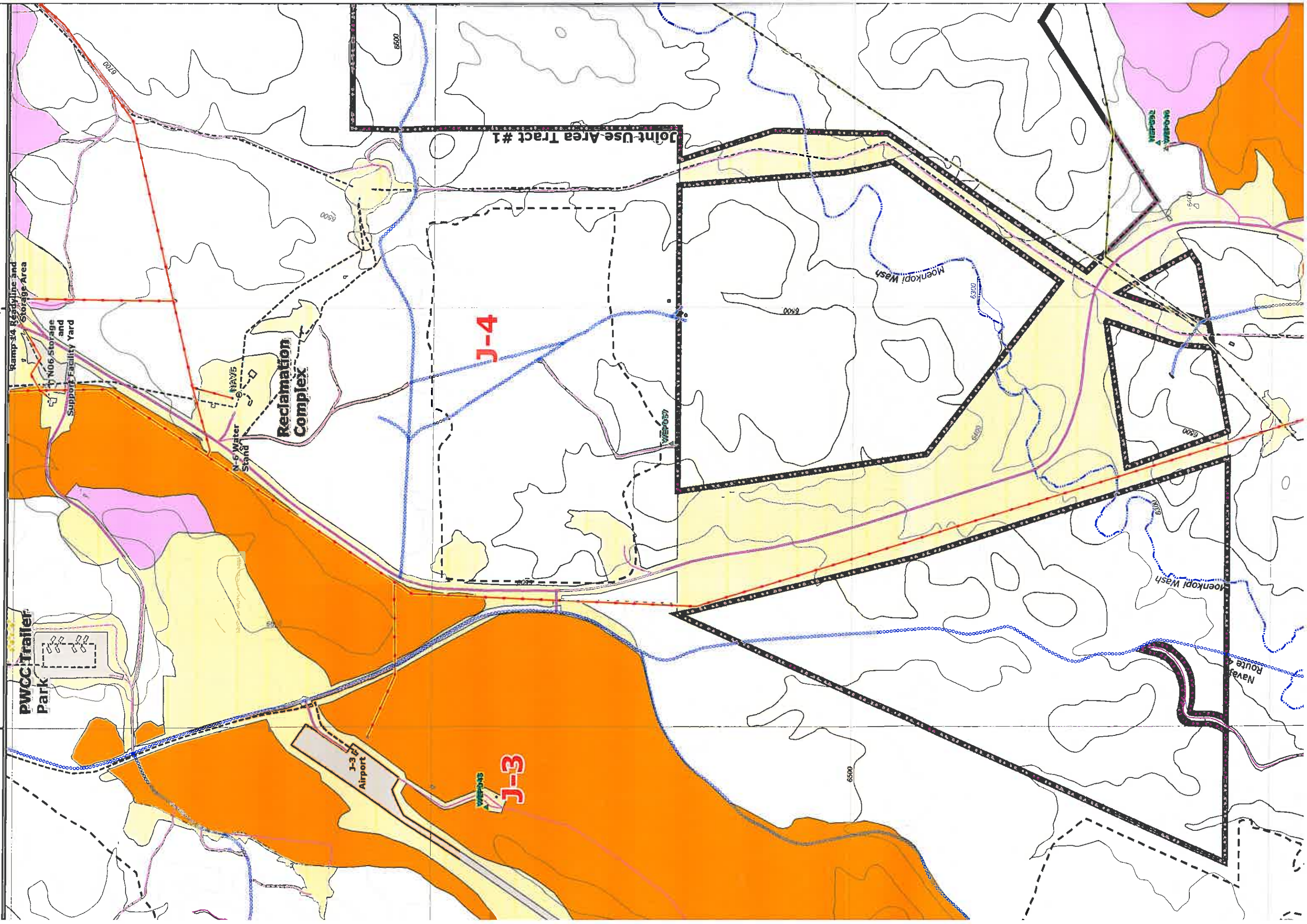
Reclamation  
Complex

J-3  
Airport

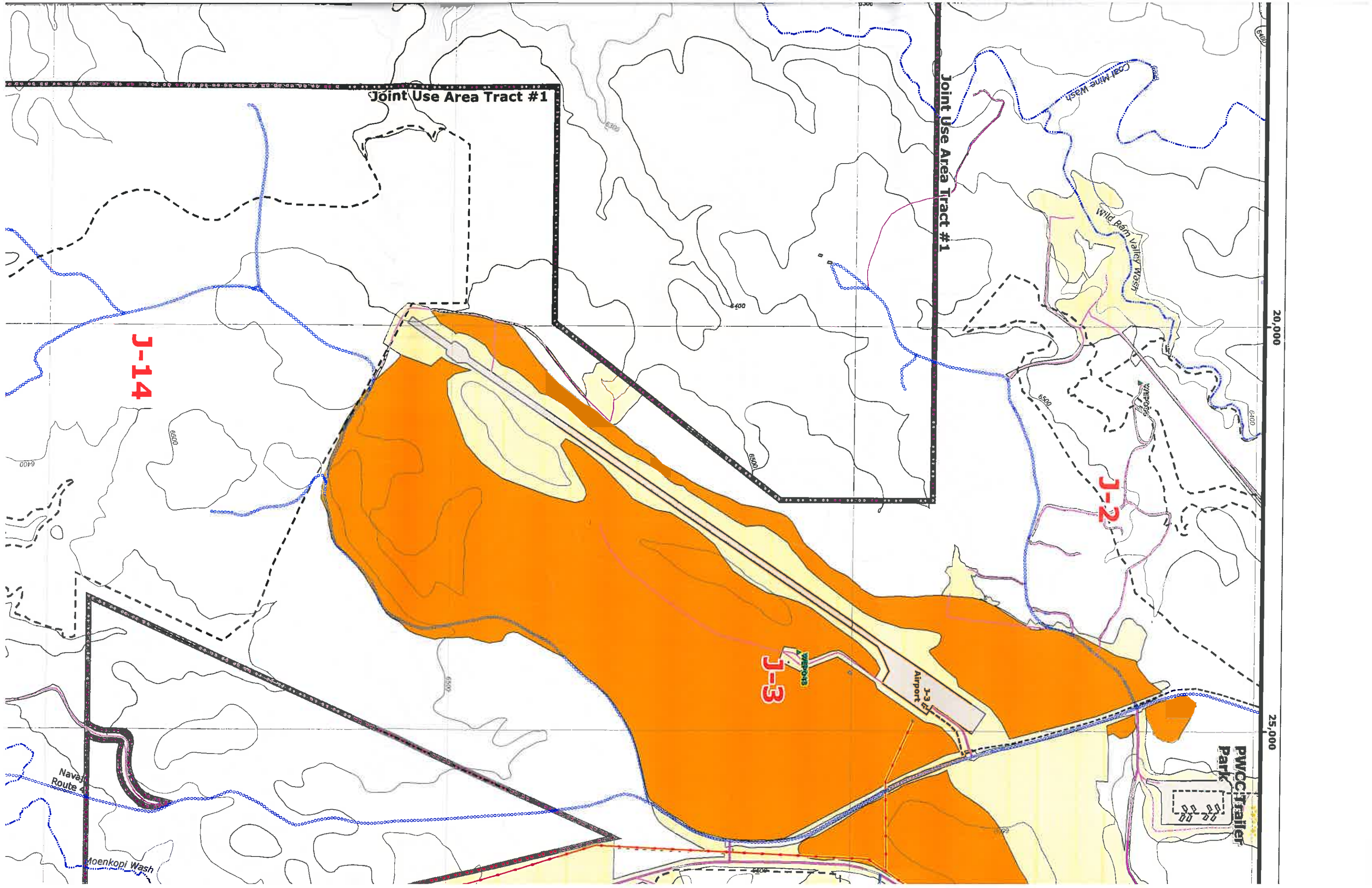
J-3

J-4

Joint-Use Area Tract #1







Joint Use Area Tract #1

Joint Use Area Tract #1

J-14

J-2

J-3

J-3 Airport

Navajo Route 4

Moenkopi Wash

Wild Ram Valley Wash

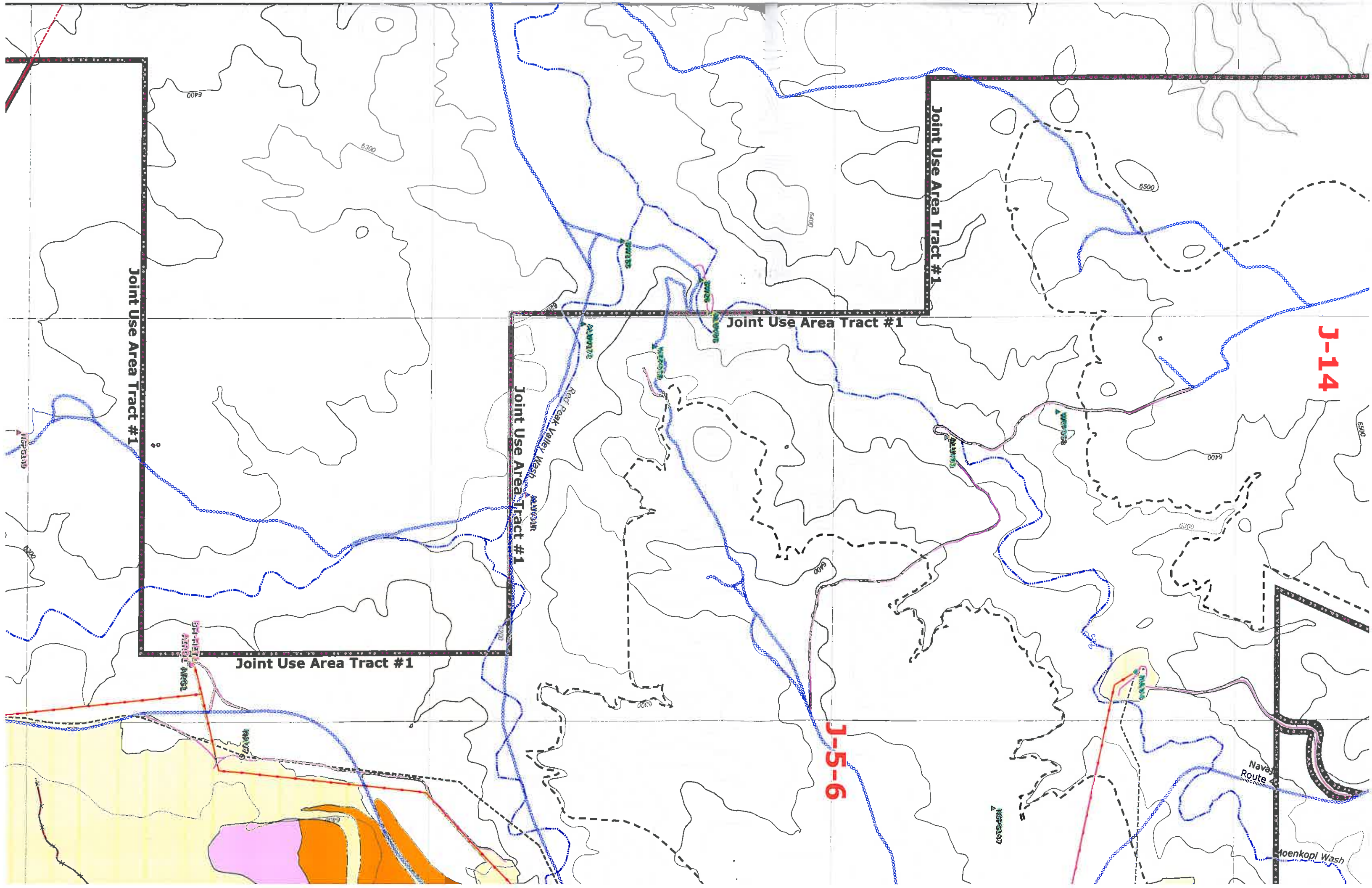
Coal Mine Wash

PWCC Trailer Park

20,000

25,000





Joint Use Area Tract #1

Joint Use Area Tract #1

Joint Use Area Tract #1

Joint Use Area Tract #1

Joint Use Area Tract #1

J-14

J-5-6

6400

6300

6400

6500

6400

6300

6400

6300

6500

6300

NSP-31-19

BM-11-11-19  
ATROJ-1-19-01

NAVAH

ALVAVI-2

ALVAVI-3

ALVAVI-4

ALVAVI-5

ALVAVI-6

ALVAVI-7

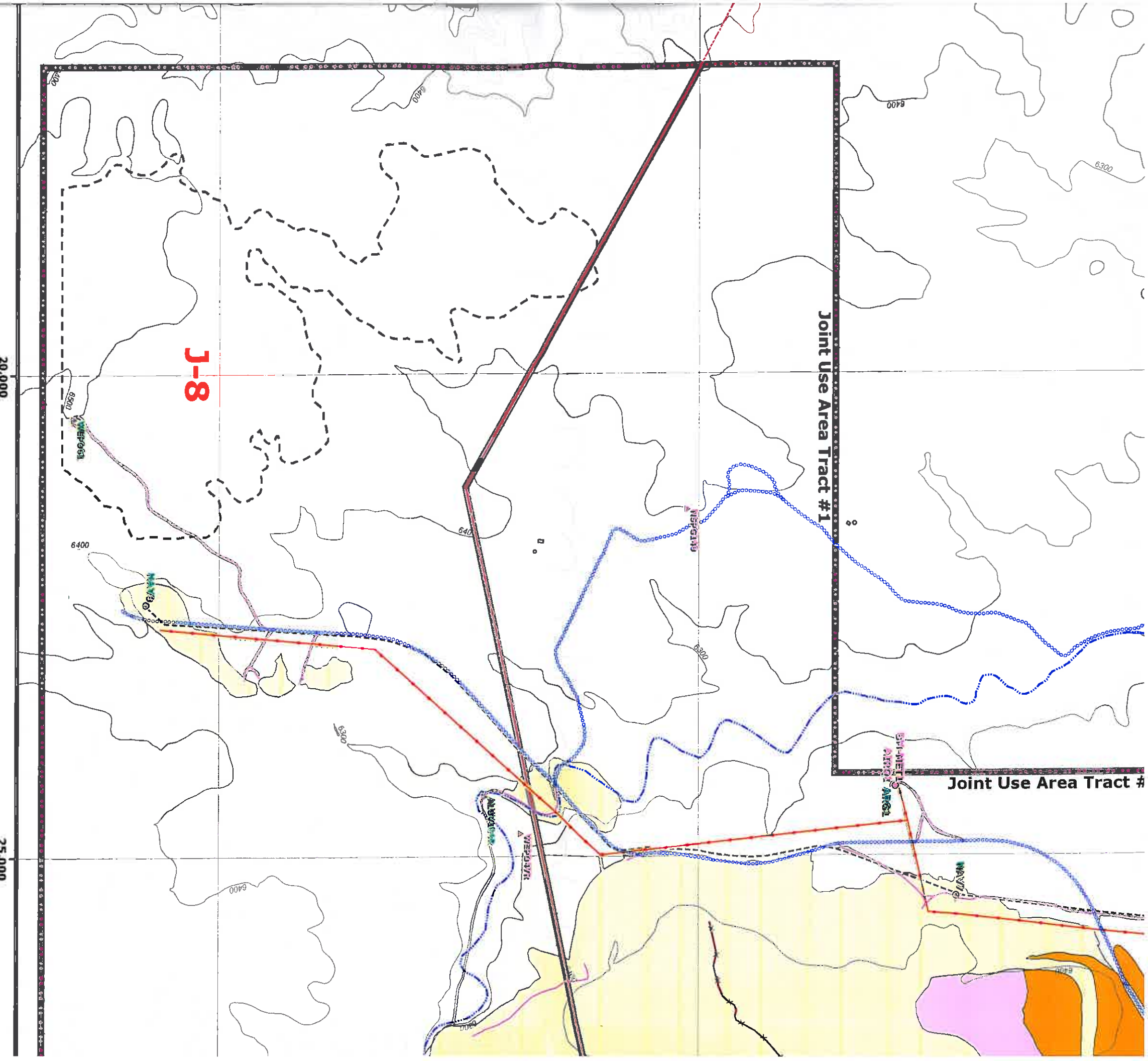
NSP-31-19

Navajo  
Route 4

Moenkopi Wash

Red Rock Valley Wash

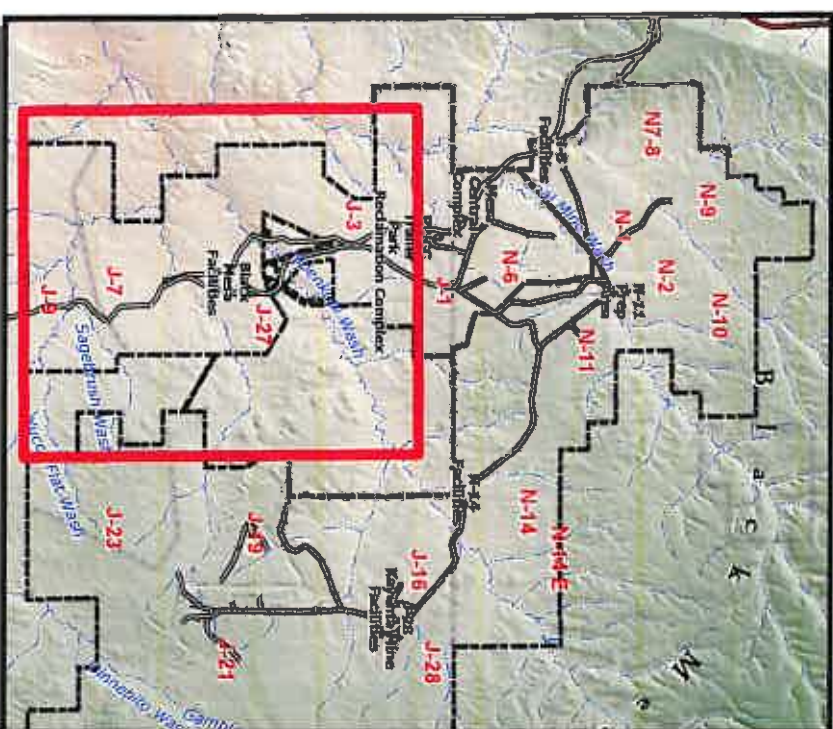




MAP REVISIONS		
CHK'D	DATE	DESCRIPTION
JGS	01-20-2004	5 Yr. Mineplan Rev.
JGS	06-05-2004	Powerline Rev.
JGS	01-14-2005	N-9 5 Yr. Mineplan Rev.
JGS	02-25-2005	Permit Renewal
JGS	06-15-2005	N-9 Facilities Rev.
JGS	06-15-2005	N-09 & N-06 Facilities Rev.
JGS	12-15-2005	N-09 Sequence Rev.
JGS	01-20-2006	OSM Response
GW	04-12-2006	Roads and TCP Revisions
JGS	07-12-2006	Support Facility Revisions
JGS/GW	03-21-2007	Feature Revisions / Software Upgrade
JGS/GW	12-21-2007	Mine Wide Feature Update
JGS	04-25-2008	Airport Revisions
JGS	06-17-2008	OSM Response

**RTIFICATION**

**JUN 17 2008**  
Date







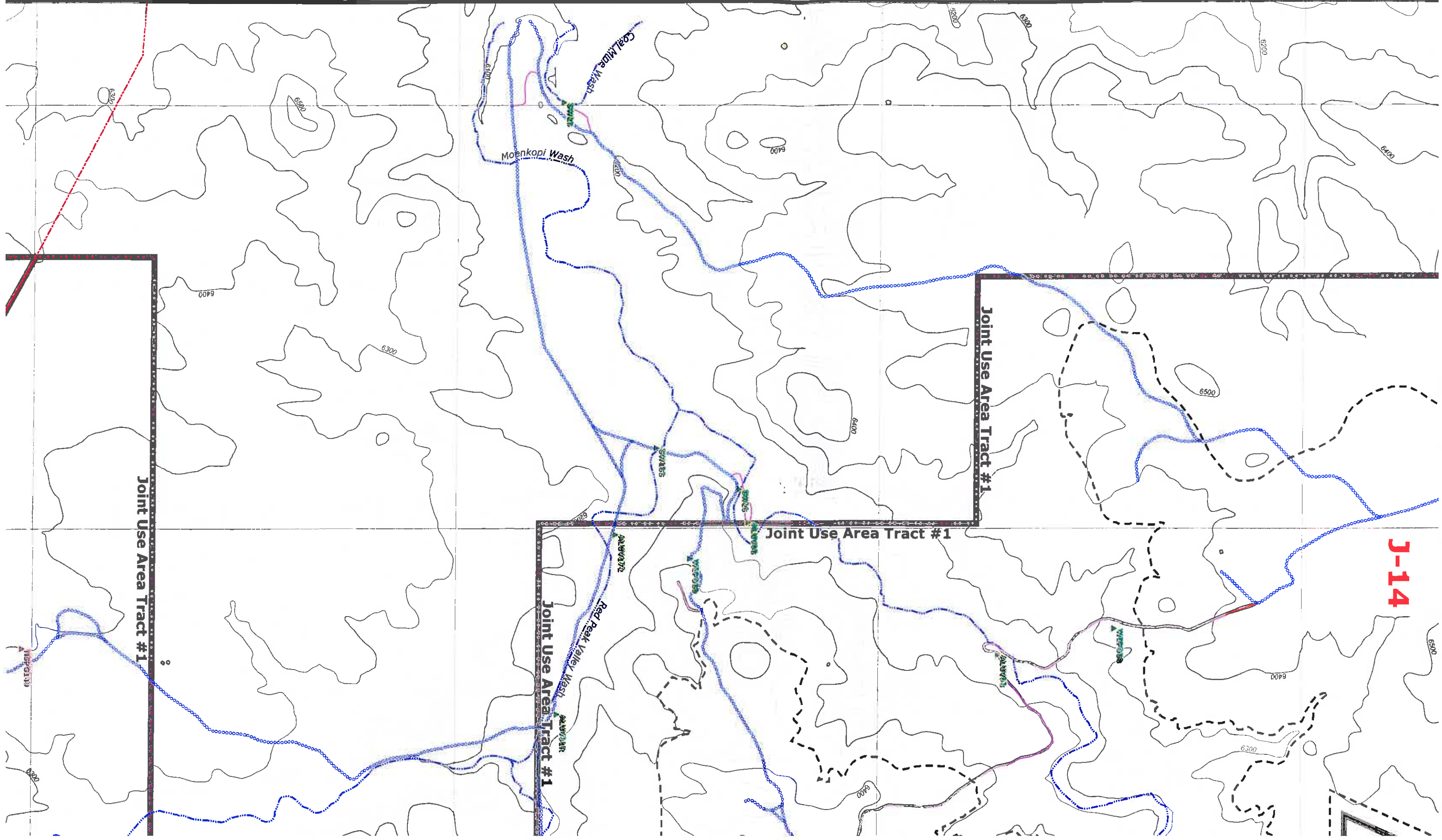


-50,000

-45,000

-40,000

-35,000



Joint Use Area Tract #1

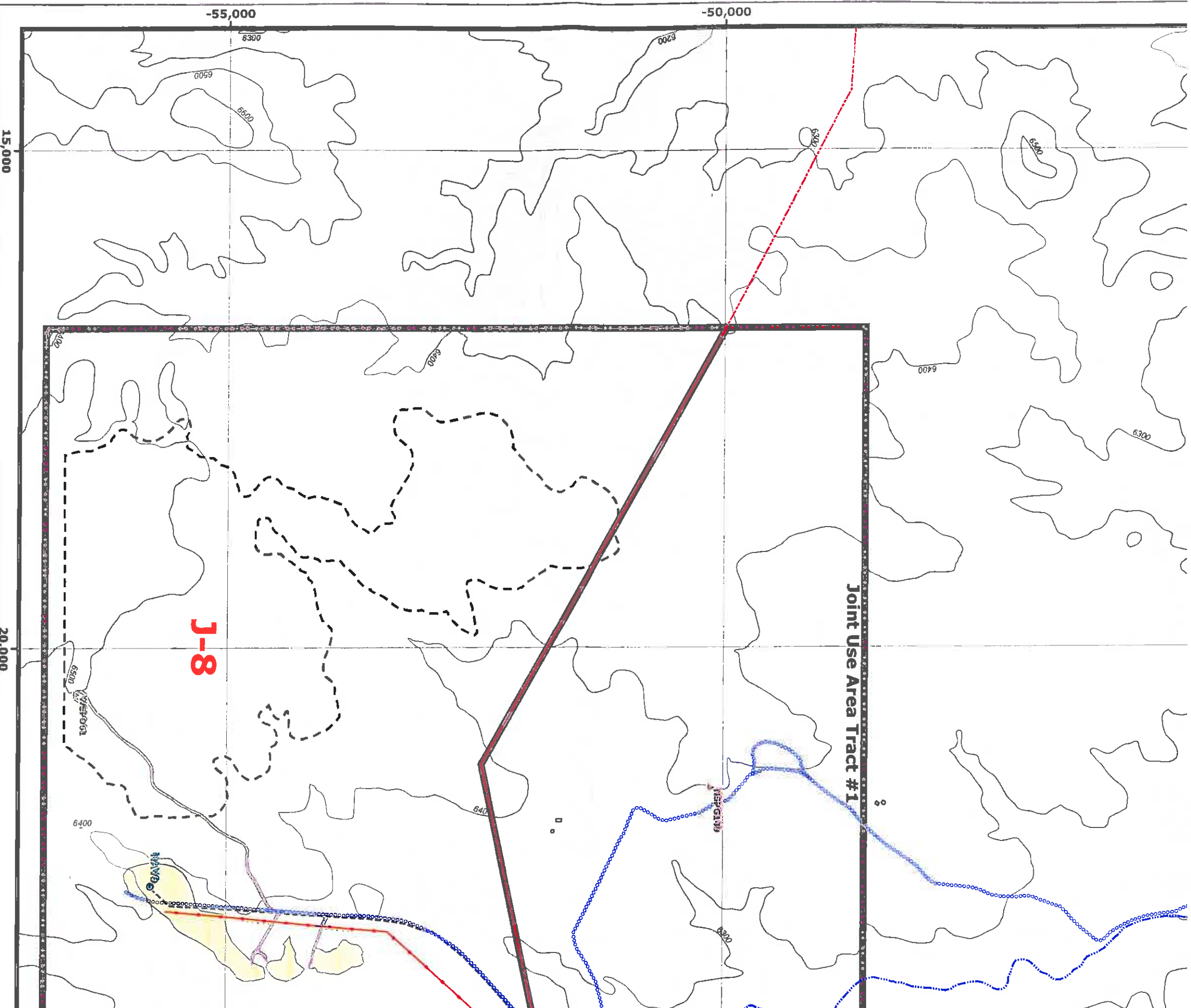
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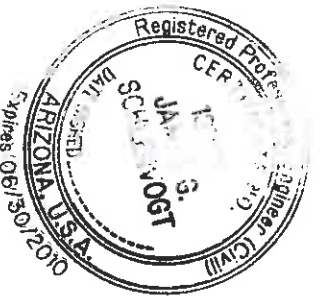
Joint Use Area Tract #1

J-14





**ENGINEER'S CERTIFICATION**



*James G. Schlenvogt*  
**James G. Schlenvogt**

Engineering Manager  
 Peabody Western Coal Company

**JUN 17 2008**  
 Date

**MAP REVISIONS**

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