

PEABODY COAL COMPANY
 BLACK MESA - KAYENTA MINE
 P.O. BOX 650
 KAYENTA, ARIZONA 86033

**POSTMINING LIVESTOCK AND WILDLIFE
 WATERING SOURCES**

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200E

70,000E



70,000

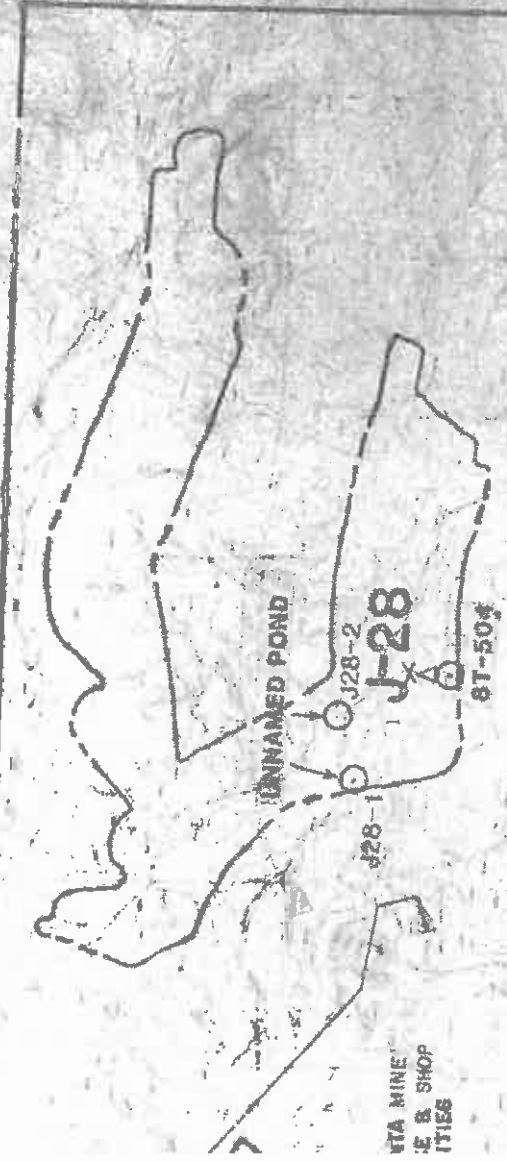
80,000

90,000

530,000

ROCKY MOUNTAIN

H(EM)



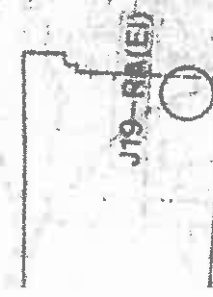
UNNAMED POND

J28-2

J28

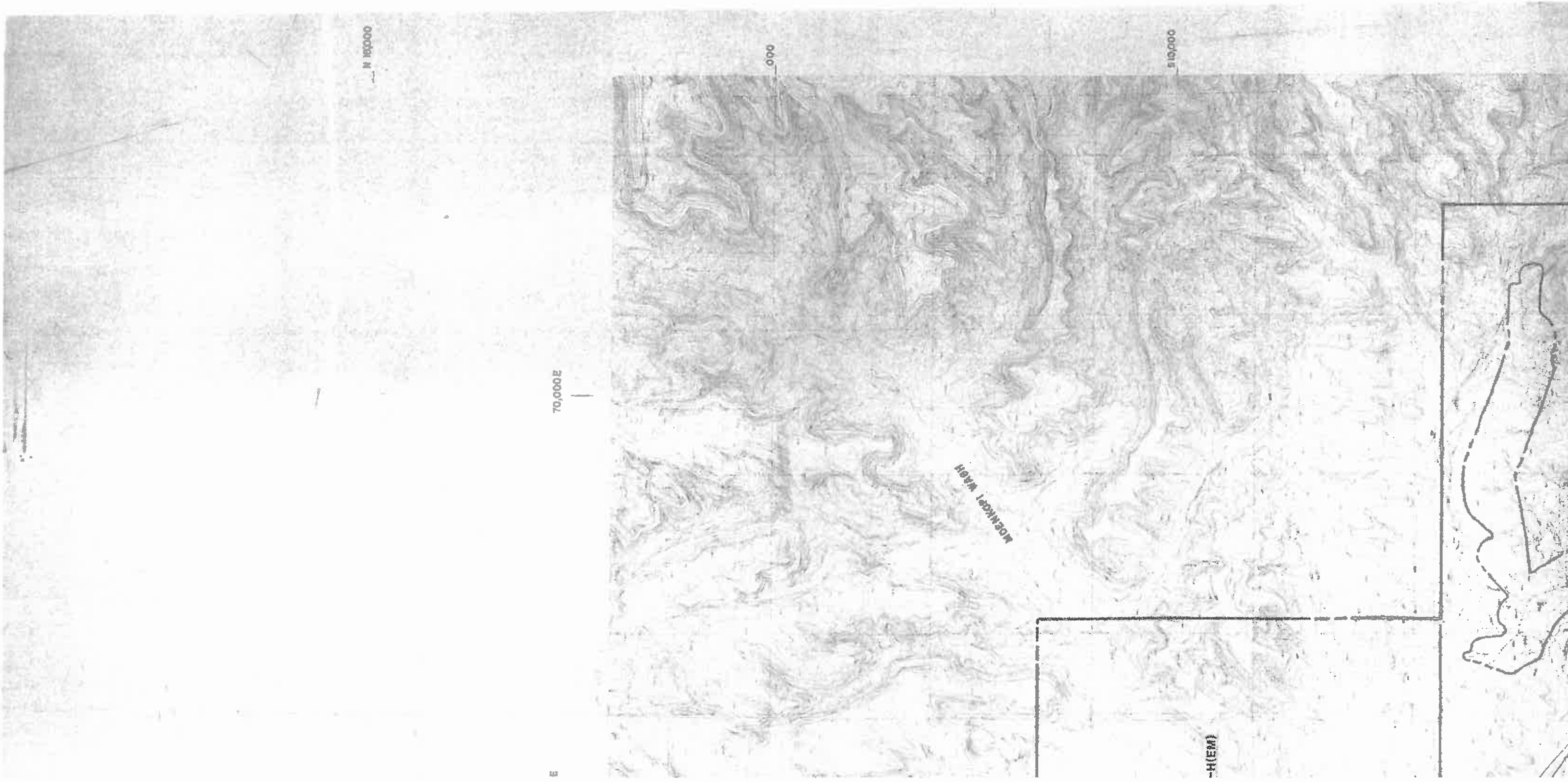
81-504

ATA MINE
E & SHOP



J19-84(E)

1



70,000

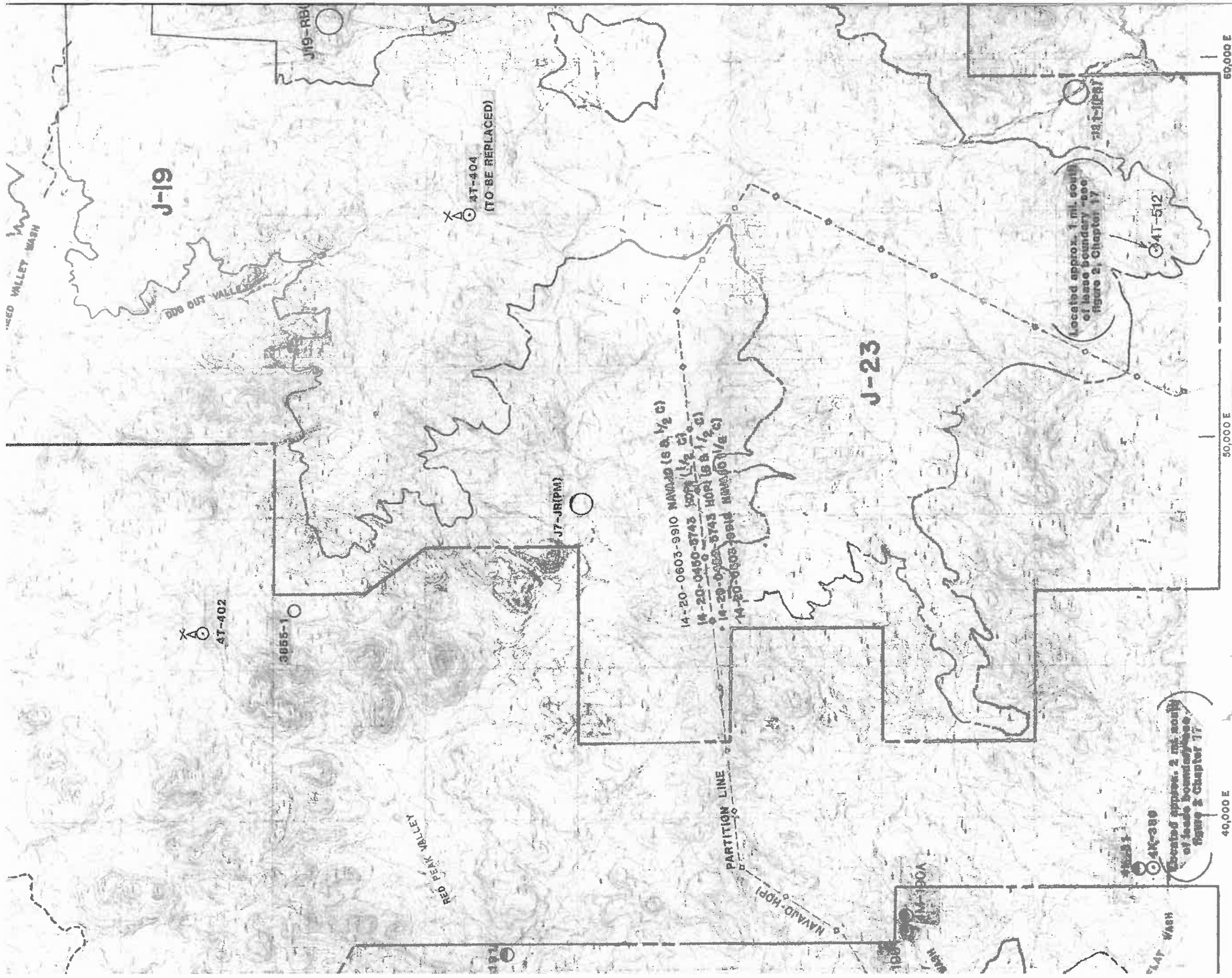
70,000E

70,000

70,000

H(EM)

70,000E



LEGEND

- LEASE BOUNDARY
- - - COAL RESOURCE AREA BOUNDARY
- - - INTERMITTENT WASH REACHES (MAXIMUM EXTENT 1980-1983)
- PRE-EXISTING POND (SURFACE WATER STRUCTURES)
- SPRING
- ⊙ WELL
- ⊗ WINDMILL

- PROPOSED PERMANENT IMPROVEMENT
- EM : EXISTING MSHA SEDIMENT CONTROL STRUCTURE
- ES : EXISTING SEDIMENT CONTROL STRUCTURE
- EI : EXISTING INTERNAL IMPROVEMENT STRUCTURE
- PM : PROPOSED MSHA SEDIMENT CONTROL STRUCTURE
- EM : PROPOSED INTERNAL IMPROVEMENT STRUCTURE
- PI : EXISTING INTERNAL IMPROVEMENT STRUCTURE

AT-402

3055-1

J7-JR(PM)

14-20-0603-9910 NAVARO (S. 1/2 G)
 14-20-0450-5743 HOPI (1/2 G)
 14-20-0550-5743 HOPI (S. 1/2 G)
 14-20-0500-5914 NAVARO (1/2 G)

PARTITION LINE

NAVARO-HOPI

J-23

AT-380

Located approx. 2 mi. south of lease boundary - see Figure 2, Chapter 17

VOY WASH

AT-512

Located approx. 1 mi. south of lease boundary - see Figure 2, Chapter 17

40,000 E

50,000 E

60,000 E

J-19

J19-RB

AT-404 (TO BE REPLACED)

10

J10-G(ES)

COAL MINE WASH

N11-G(ES)

50,000 E

80,000 E

Goat Spring #2

Slip #111

Hogan Spring

OVERLAND CONVEYOR

N-14

PUEBLO WATER STATION

N14-D(EM)

N14-F(EM)

N14-G(EM)

N14-H(EM)

14-20-0603 - 0850 HAMMONS CT

8A-153

J16-A(EM)

J16-G(ES)

REED WELL

8A-149

J-16

8A-147

J16-L(EM)

KAYENTA MIK OFFICE & ST FACILITIES

REED VALLEY WASH

J-19

DUG OUT

40,000 E

50,000 E

60,000 E

N10-G(S)

COAL MINE WASH

CONTEG

Goal Spring #2

Site #111

Hogan Spring

N-14

PUBLIC WATER STAND

N14-D(EM)

N14-F(EM)

N14-G(EM)

N14-H(EM)

8A-163

J16-A(EM)

J16-G(ES)

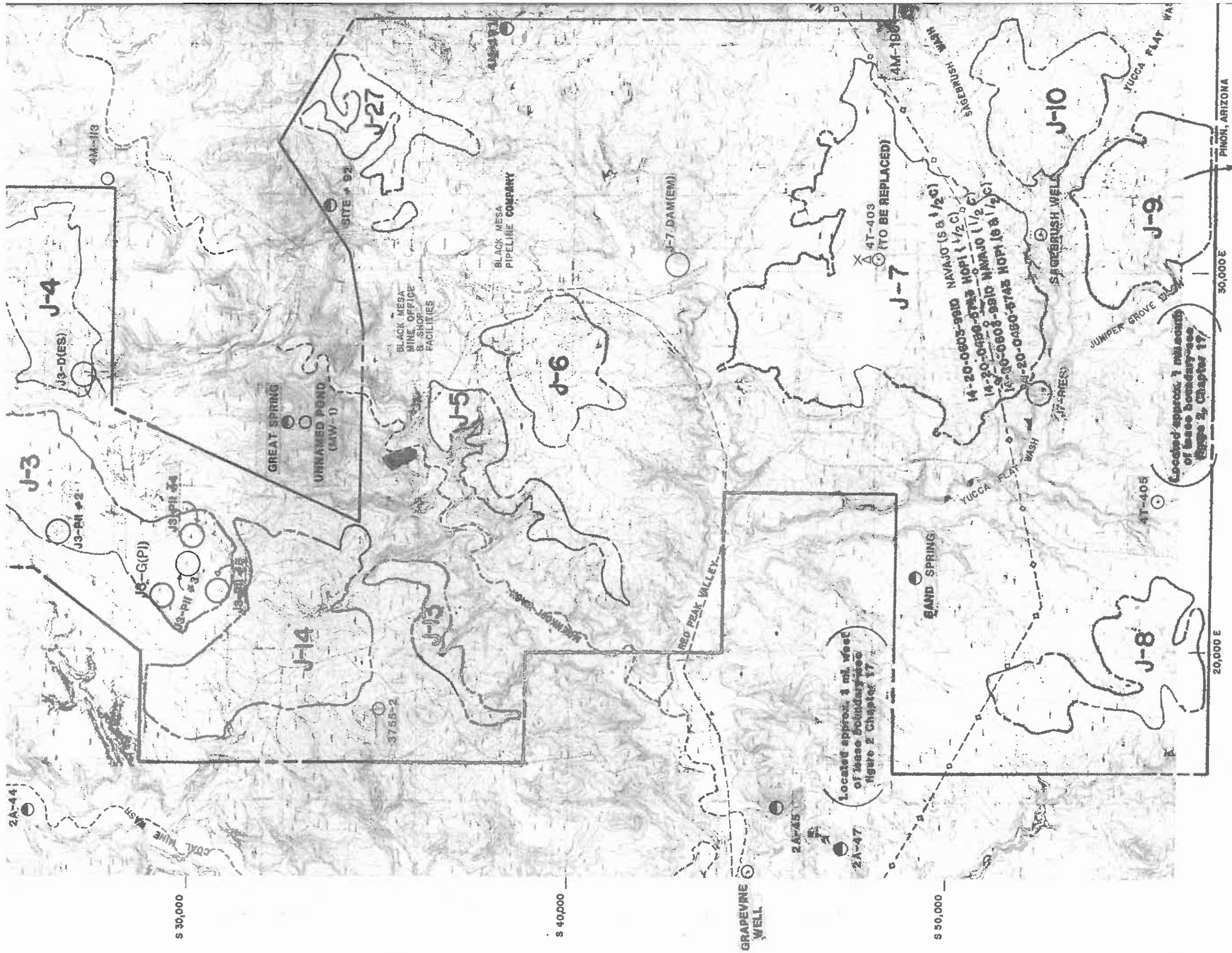
8A-148A

(4-20-0603 - 2080 KAWAIOO(S G))

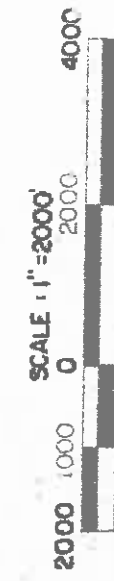
OVERLAND CONVEYOR

EMOPI WASH

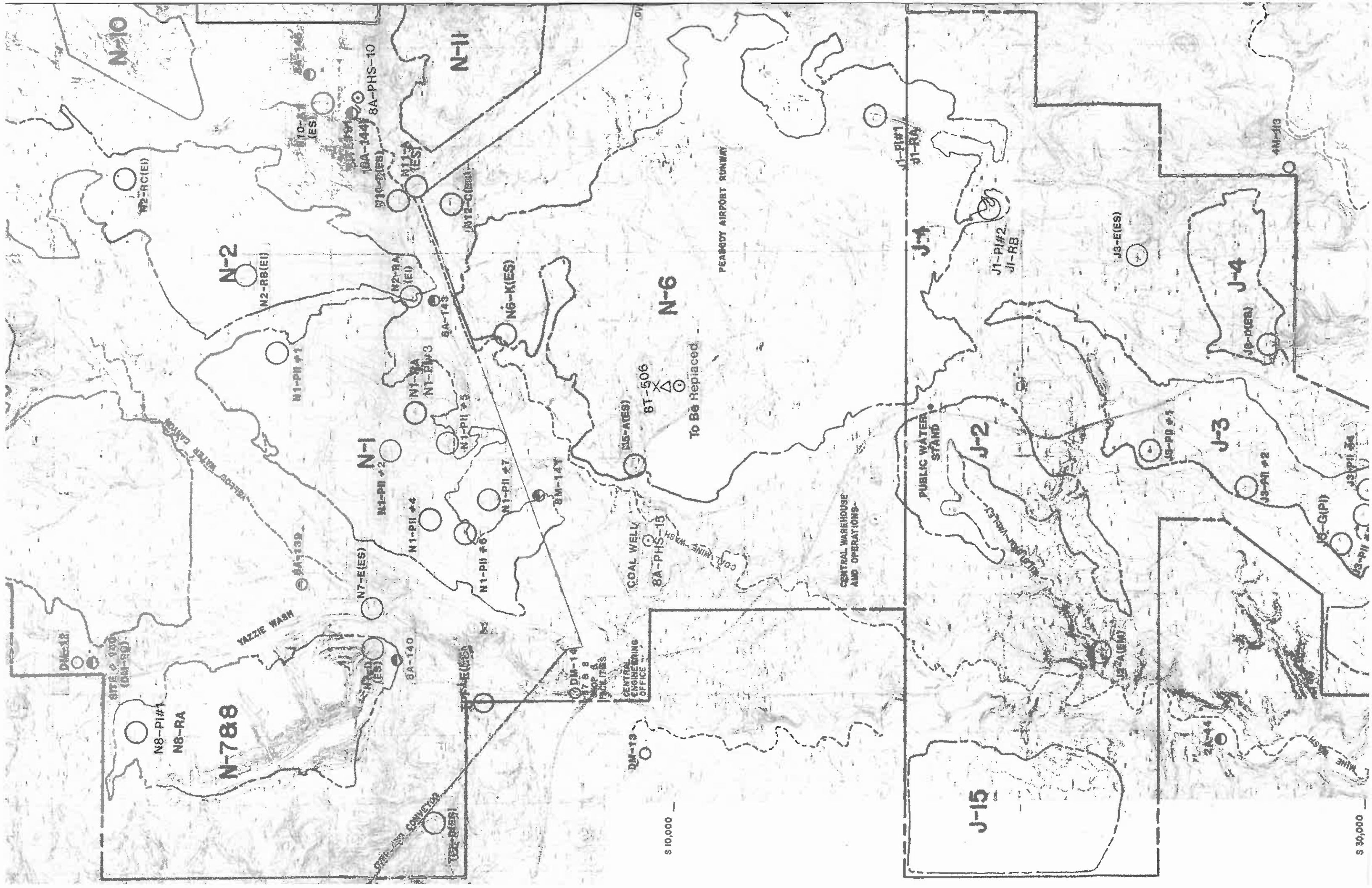
EMOPI WASH



Chapter 16, Tables 7 and 7a for the Permanent Impoundment
 Drawing No. 85405, Sediment and Water Control Structures
 up, for the location of PWCC's structures.



VERTICAL DATUM - MEAN SEA LEVEL

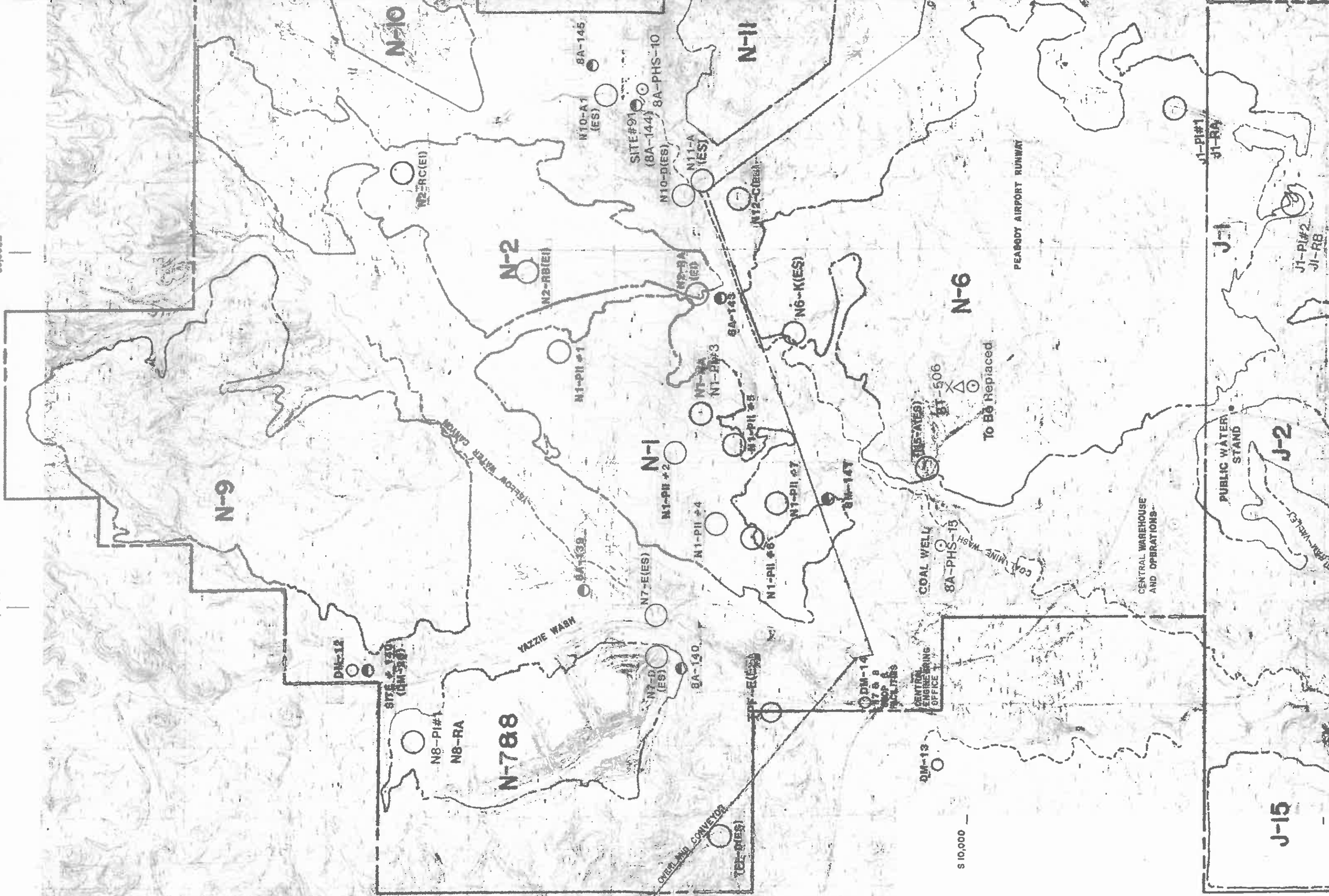


1:10,000

1:10,000

20,000E

30,000E



50,000

J-15

J-2

PUBLIC WATER STAND

CENTRAL WAREHOUSE AND OPERATIONS

To Be Replaced

CENTRAL ENGINEERING OFFICE

DM-14

N1-PI #7

N1-PI #6

N1-PI #4

N1-PI #1

N-788

N8-RA

N8-PI #1

N-9

N-11

N-6

N-2

N-10

J1-PI#2
J1-RB

J1-PI#1
J1-RA



TO TUBA CITY, ARIZONA

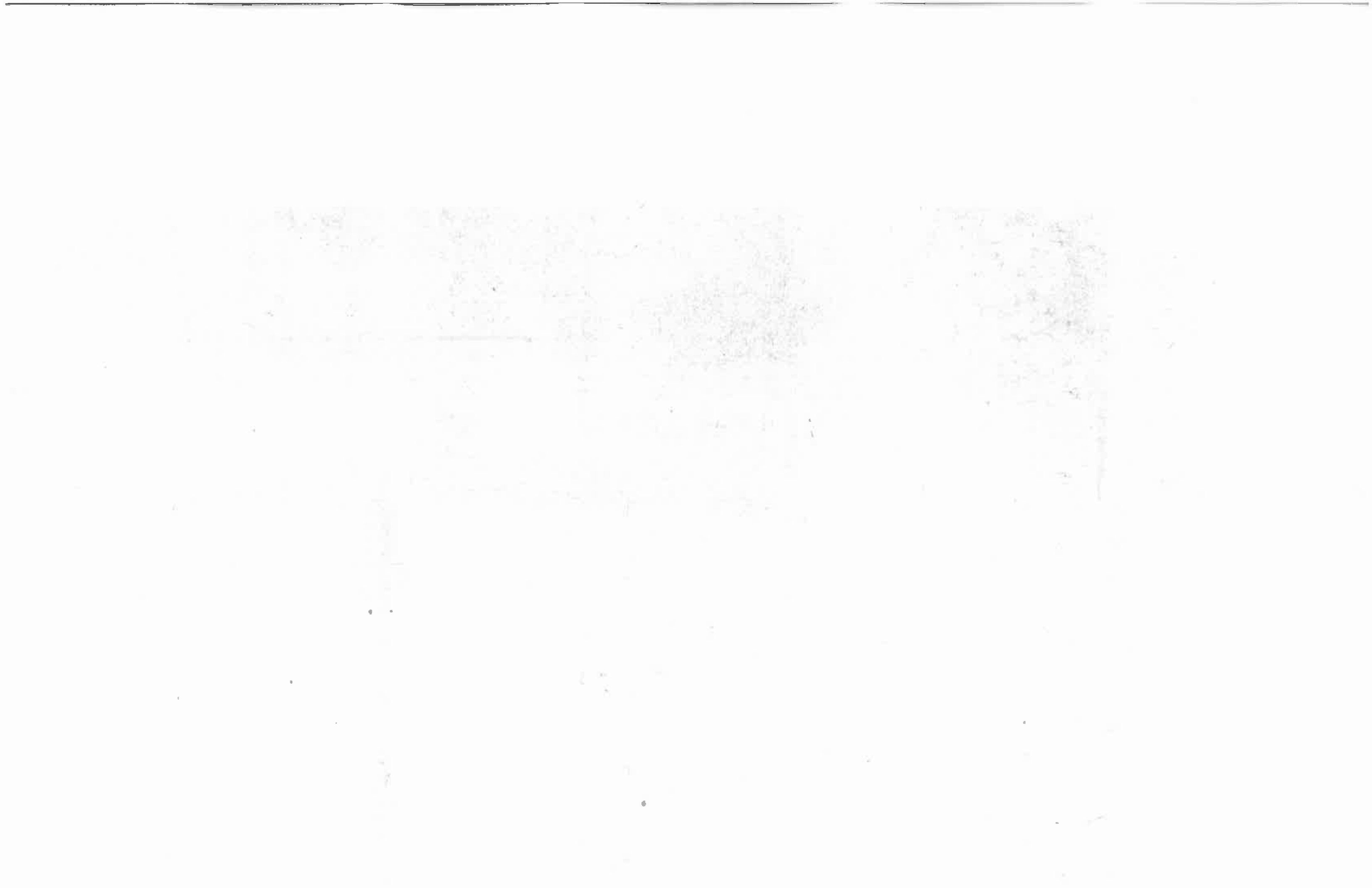
BLACK MESA AND LAKE POWELL RAILROAD (PRIVATELY OWNED)

RAIL LOADOUT SILOS

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000'01 N

10,000' W



- NOTES:
- 1) THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS.
 - 2) FIELD SURVEYS PERFORMED TO 3RD ORDER ACCURACIES BY PEABODY COAL CO. ENGINEERING DEPARTMENT.
 - 3) TOPOGRAPHIC/PLANIMETRIC BASE MAP COMPILED FROM NEAR VERTICAL NEGATIVE AERIAL PHOTOGRAPHY EXPOSED ON NOVEMBER 18, 1984 BY COOPER AERIAL SURVEY CO.
 - 4) STEREOCOMPILATION, FINAL DRAFTING, AND PHOTOGRAPHIC REPRODUCTIONS PERFORMED BY  COOPER AERIAL SURVEY CO.
 - 5) 4000' GRIDS BASED ON PEABODY COAL COMPANY COORDINATE SYSTEM.

10,000 W

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10,000 E

TO KAYENTA, ARIZONA

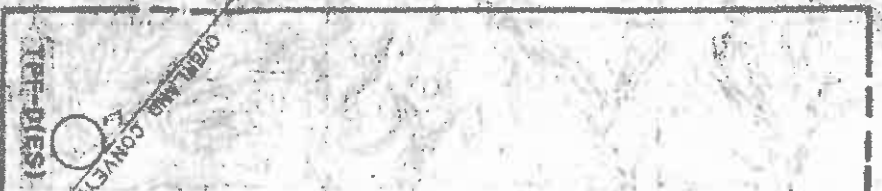
U.S. 160

RAIL LOADOUT SILOS

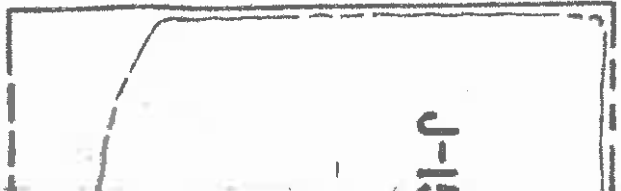
MAIN ACCESS ROAD

8A-119

(PARTLY OWNED)



5 10,000



J-11

S 30,000

S 40,000

GRAPEVINE
WELL

S 50,000

S 30,000

S 40,000

GRAPEVINE
WELL

S 50,000

FOR ACCURACY STANDARDS.
FOR ACCURACIES BY
OBTAINED FROM NEAR
PHYSICALLY EXPOSED ON
SURVEY CO.
AND PHOTOGRAPHIC
SURVEYING COMPANY CO.
COMPANY COORDINATE



FEB 21 2000

- NOTES:**
1. See Chapter 1 Site I.D.'s.
 2. See Drawing K Kap, for the