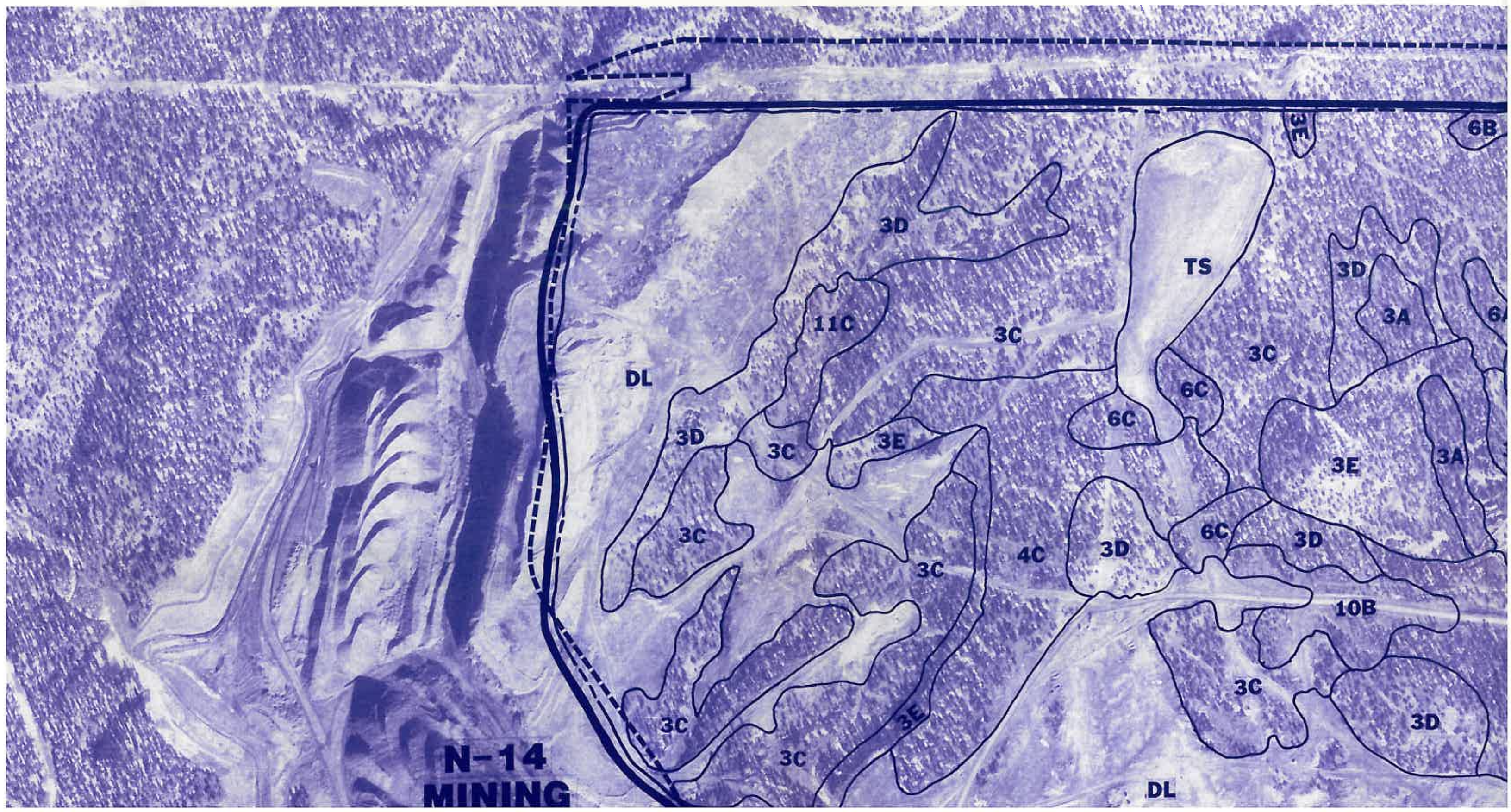
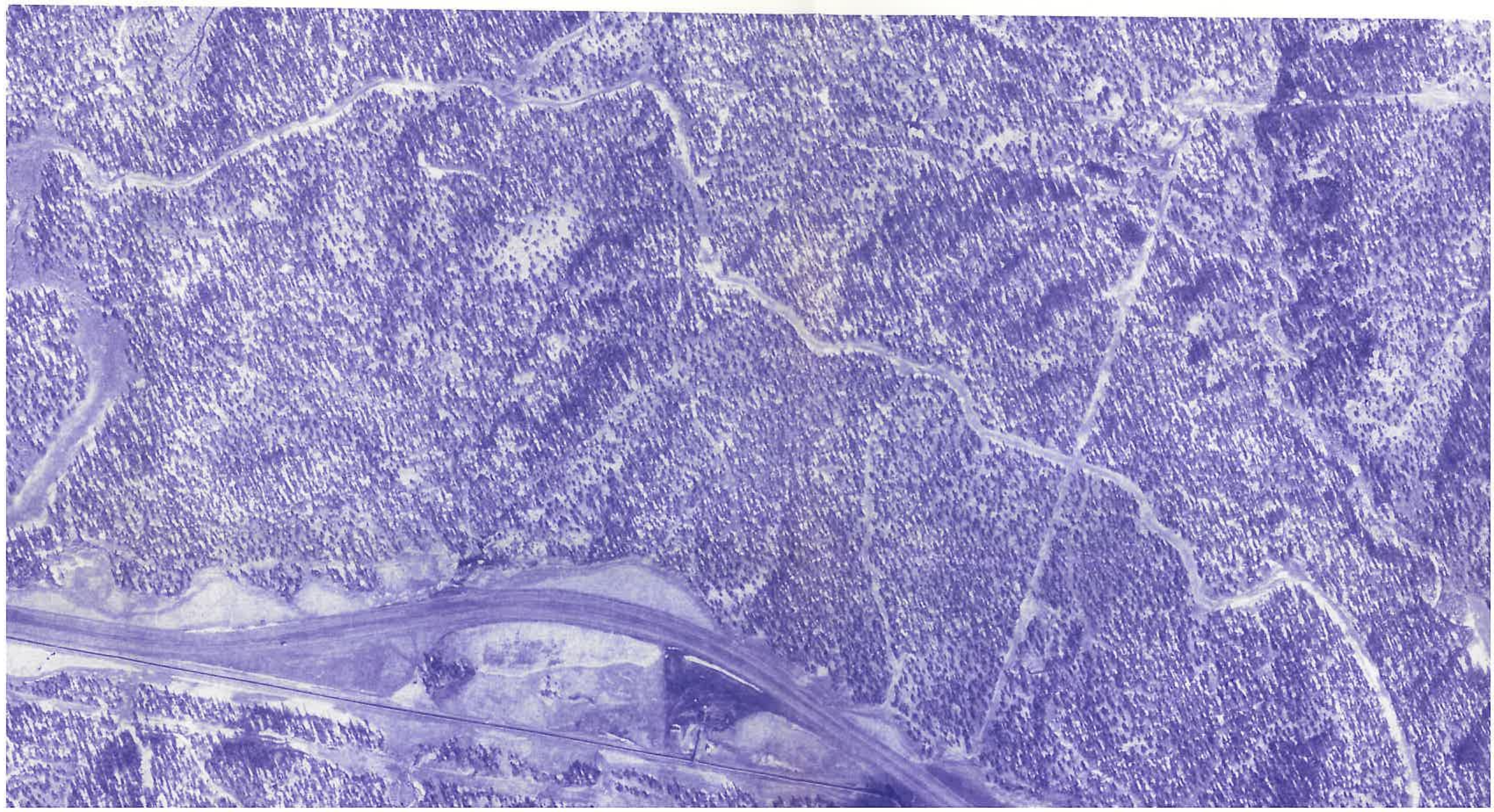


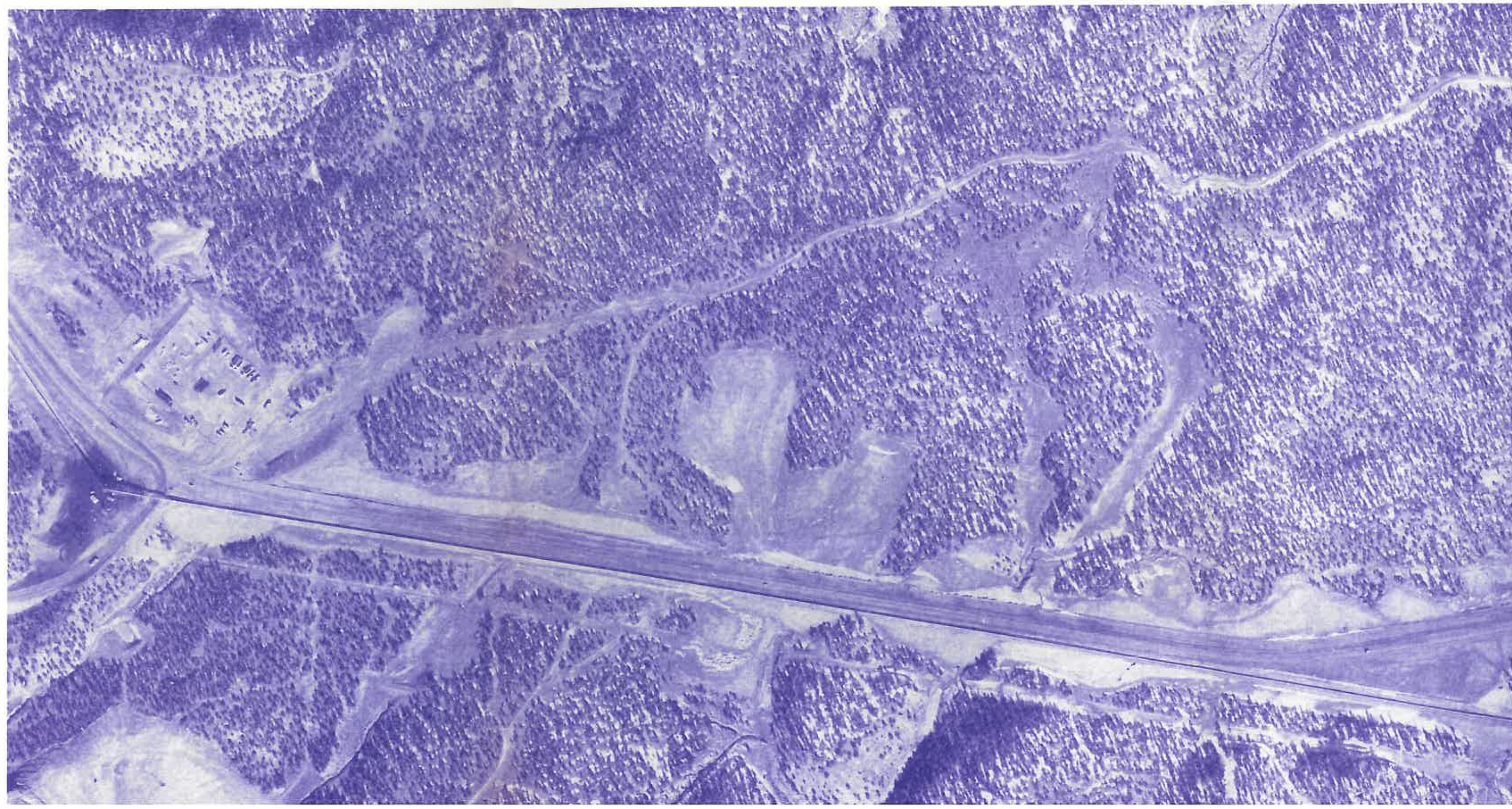
Symbol

1A	Dulce very channery fine sandy loam, 1 to 4 percent slopes
1, 1B	Dulce very channery fine sandy loam, 4 to 8 percent slopes
1C	Dulce very channery fine sandy loam, 8 to 15 percent slopes
1D	Dulce very channery fine sandy loam, 15 to 30 percent slopes
2B	Bond very fine sandy loam, 1 to 8 percent slopes
3A	Zyme - Dulce complex, 2 to 8 percent slopes
3BC	Zyme - Dulce complex, 2 to 15 percent slopes
3C	Zyme - Dulce complex, 6 to 15 percent slopes
3D	Zyme - Dulce complex, 15 to 30 percent slopes
3DE	Zyme - Dulce complex, 15 to 50 percent slopes
3E	Zyme - Dulce complex, 30 to 50 percent slopes
3F	Ustic Torriorthents - Rock outcrop complex, 50 to 80 percent slopes
4A	Zyme very channery loam, 1 to 4 percent slopes
4B	Zyme very channery loam, 4 to 8 percent slopes
4C	Zyme very channery loam, 8 to 15 percent slopes
4D	Zyme very channery loam, 15 to 30 percent slopes
5	Pulpit very fine sandy loam, 2 to 8 percent slopes



**N-14
MINING**







- 3E Zyme - Dulce complex, 30 to 50 percent slopes
- 3F Ustic Torriorthents - Rock outcrop complex, 50 to 80 percent slopes
- 4A Zyme very channery loam, 1 to 4 percent slopes
- 4B Zyme very channery loam, 4 to 8 percent slopes
- 4C Zyme very channery loam, 8 to 15 percent slopes
- 4D Zyme very channery loam, 15 to 30 percent slopes
- 5 Pulpit very fine sandy loam, 2 to 8 percent slopes
- 6 Sharps very fine sandy loam, 2 to 8 percent slopes
- 6A Sharps very fine sandy loam, 1 to 4 percent slopes
- 6B Sharps very fine sandy loam, 4 to 8 percent slopes
- 6C Sharps very fine sandy loam, 8 to 15 percent slopes
- 7B Travessilla - Zyme - Dulce complex, 2 to 6 percent slopes
- 7C Zyme - Travessilla - Rock outcrop complex, 6 to 15 percent slopes
- 7D Zyme - Travessilla - Rock outcrop complex, 15 to 30 percent slopes
- 7E Zyme - Travessilla - Rock outcrop complex, 30 to 50 percent slopes
- 10 Cahona very fine sandy loam, bedrock substratum, 2 to 8 percent slopes
- 10A Cahona very fine sandy loam, bedrock substratum, 1 to 4 percent slopes
- 10B Cahona very fine sandy loam, bedrock substratum, 4 to 8 percent slopes
- 10C Cahona very fine sandy loam, bedrock substratum, 8 to 15 percent slopes
- 11 Cahona very fine sandy loam, 1 to 6 percent slopes
- 11A Cahona very fine sandy loam, 1 to 4 percent slopes
- 11B Cahona very fine sandy loam, 4 to 8 percent slopes
- 11C Cahona very fine sandy loam, 8 to 15 percent slopes
- G11B Cahona very fine sandy loam, gravelly substratum, 2 to 8 percent slopes
- X11 Cahona - Cahona, bedrock substratum, very fine sandy loams, 2 to 10 percent slopes
- X11A Cahona - Cahona, bedrock substratum, very fine sandy loams, 1 to 4 percent slopes
- X11B Cahona - Cahona, bedrock substratum, very fine sandy loams, 4 to 8 percent slopes
- X11C Cahona - Cahona, bedrock substratum, very fine sandy loams, 8 to 15 percent slopes
- 12 Begay loam, 2 to 10 percent slopes
- 12A Begay loam, 1 to 4 percent slopes
- 12B Begay loam, 4 to 8 percent slopes

**N-14
MINING
AREA**

3C

3C

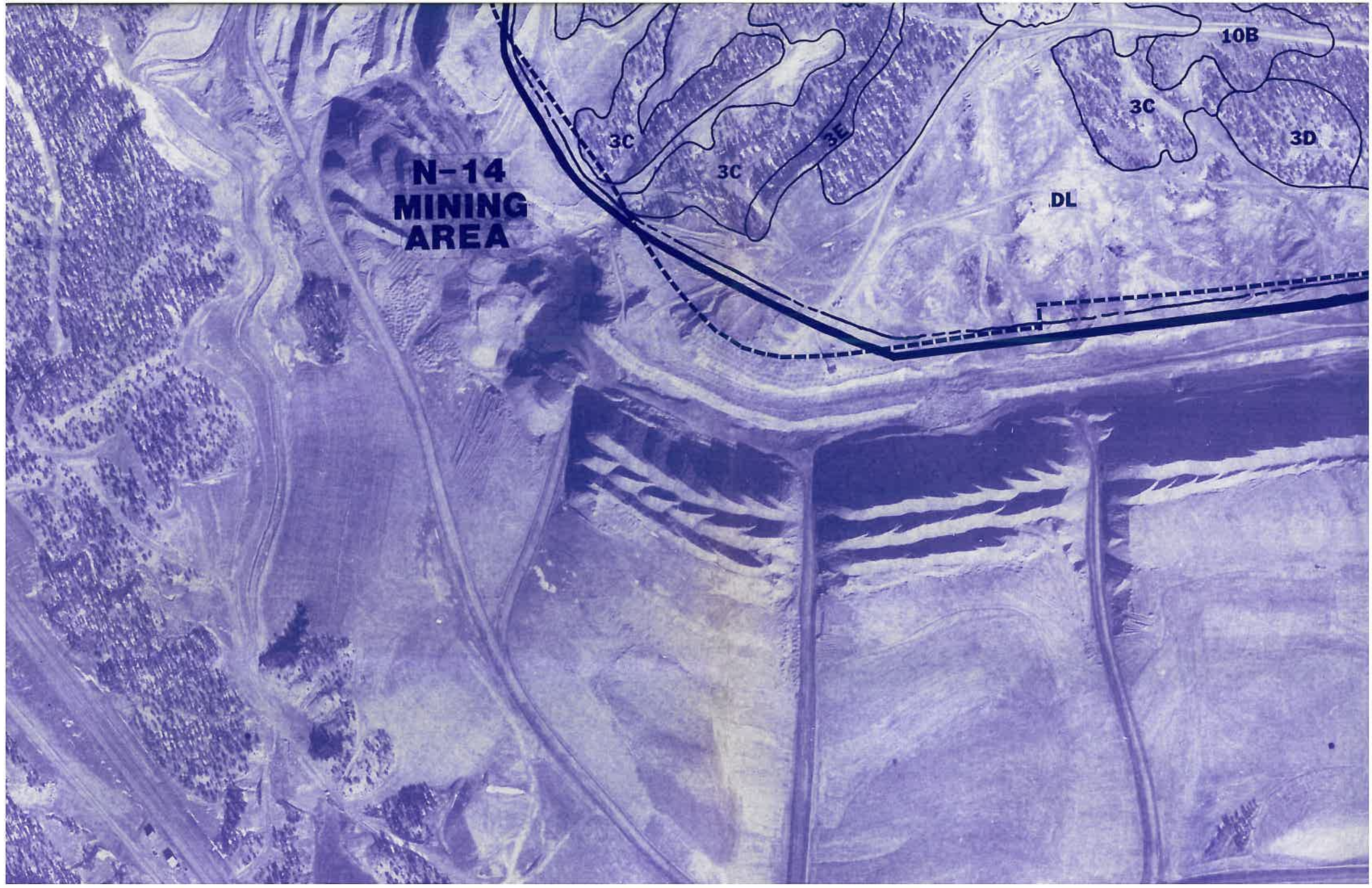
3E

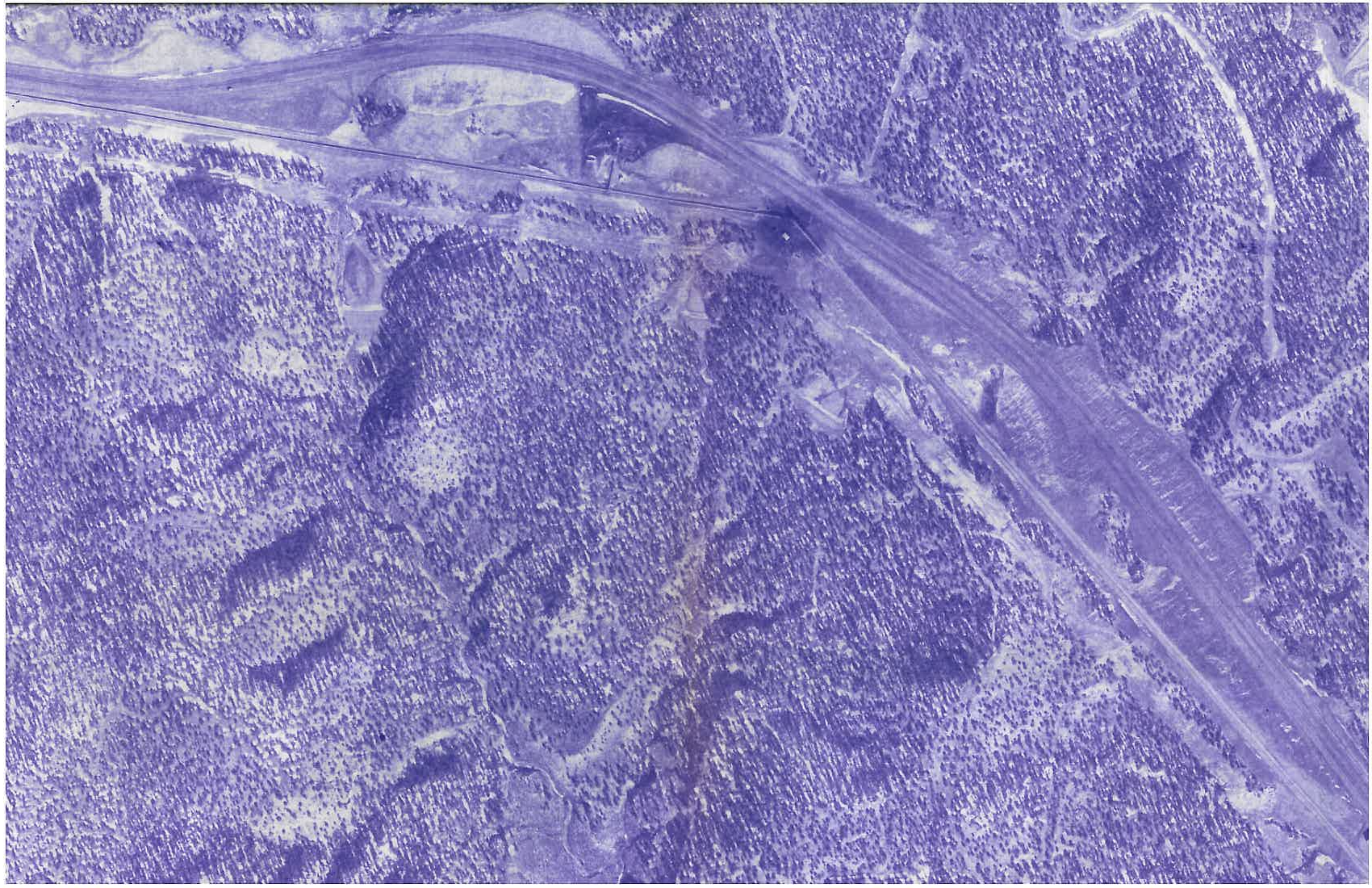
10B

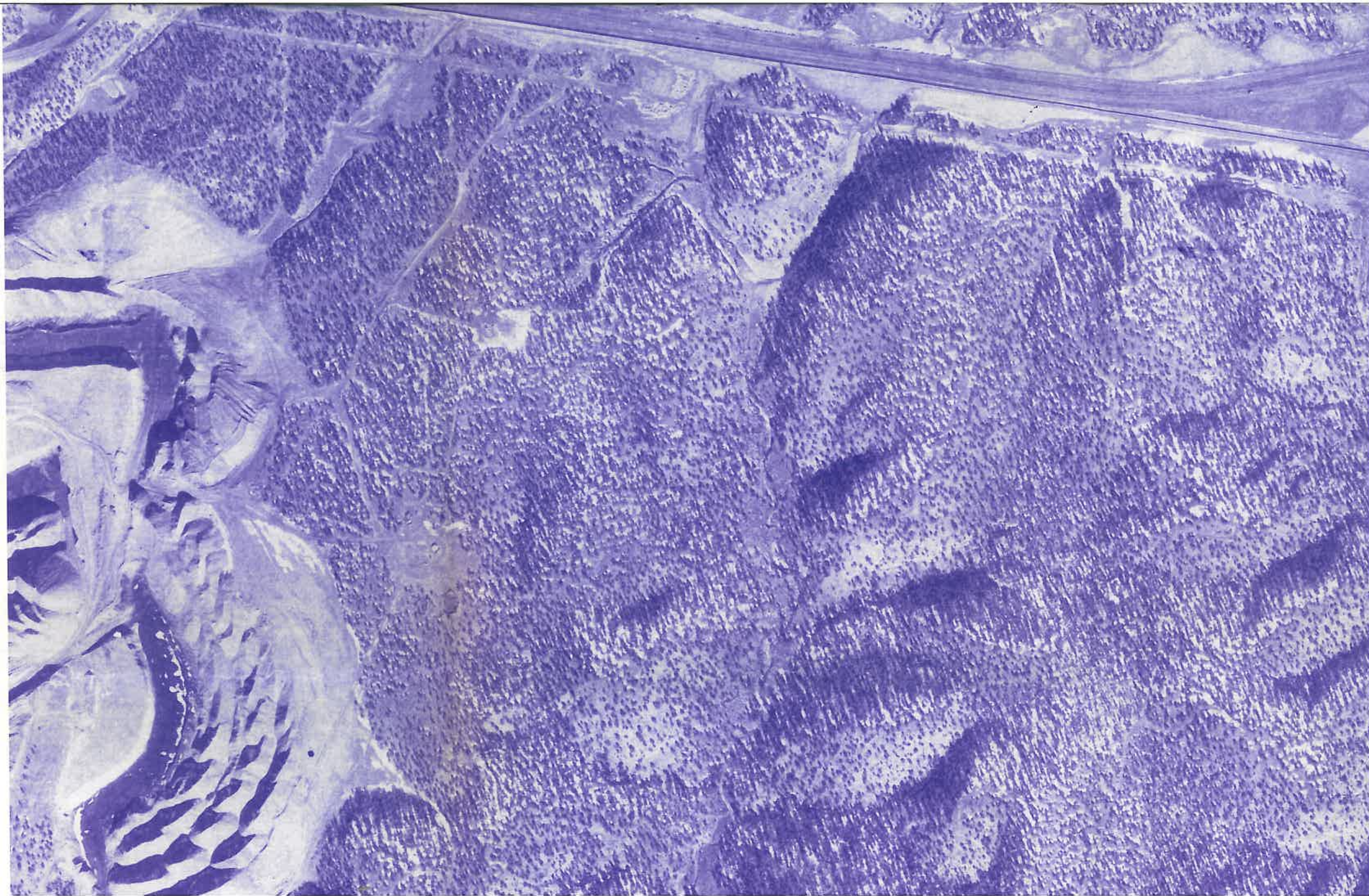
3C

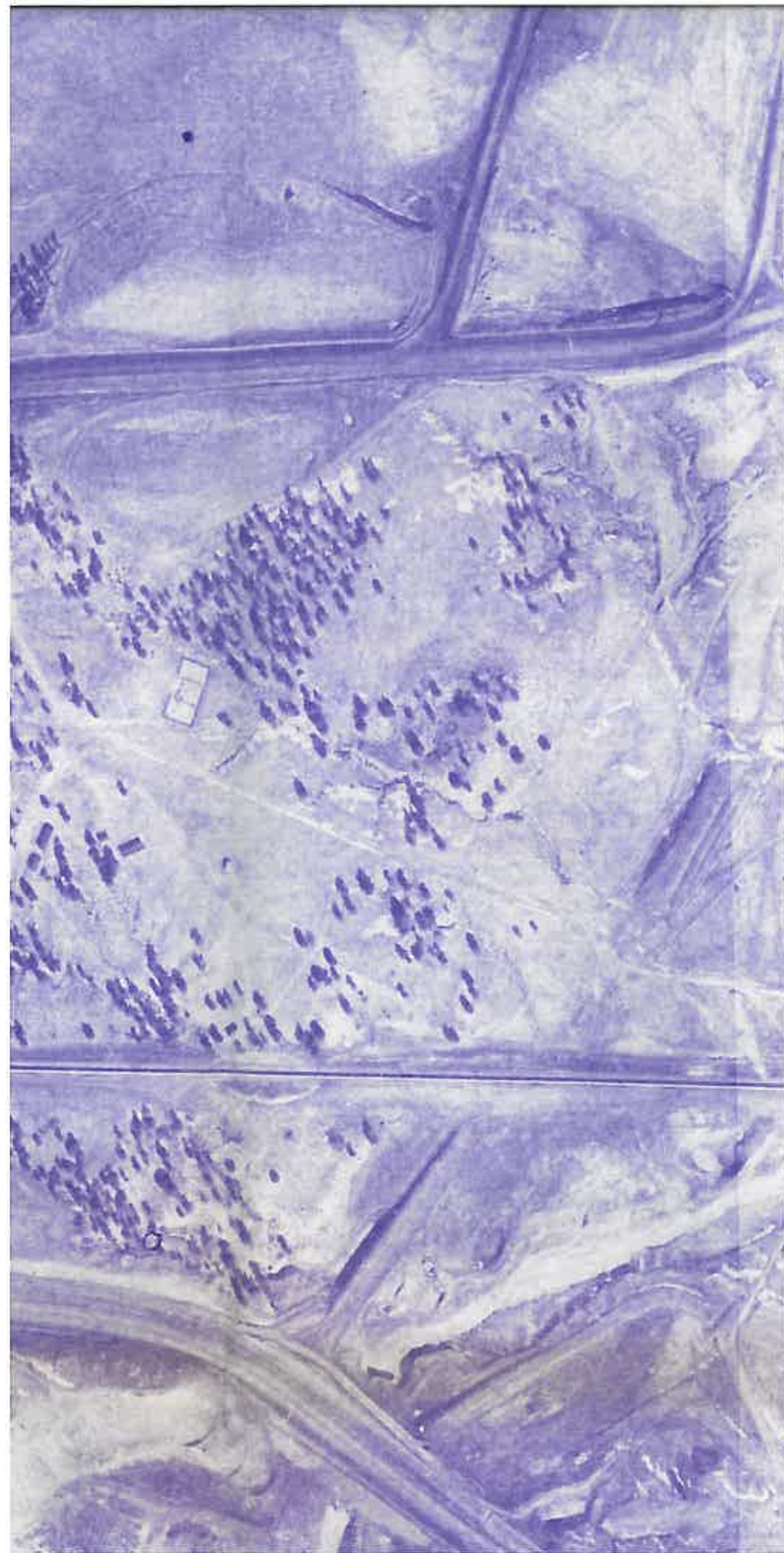
3D

DL









X11	Cahona – Cahona, bedrock substratum, very fine sandy loams, 2 to 10 percent slopes
X11A	Cahona –Cahona, bedrock substratum, very fine sandy loams, 1 to 4 percent slopes
X11B	Cahona – Cahona, bedrock substratum, very fine sandy loams, 4 to 8 percent slopes
X11C	Cahona – Cahona, bedrock substratum, very fine sandy loams, 8 to 15 percent slopes
12	Begay loam, 2 to 10 percent slopes
12A	Begay loam, 1 to 4 percent slopes
12B	Begay loam, 4 to 8 percent slopes
12C	Begay loam, 8 to 15 percent slopes
13, 13A	San Mateo loam, 0 to 3 percent slopes
14A	Oelop very fine sandy loam, 1 to 4 percent slopes
14B	Oelop very fine sandy loam, 4 to 8 percent slopes
15, 15A	Las Lucas sandy clay loam, 2 to 6 percent slopes
16C	Soil A – Soil B extremely channery very fine sandy loams, 4 to 15 percent slopes
16E	Soil A – Soil B extremely channery very fine sandy loams, 15 to 50 percent slopes
16F	Soil A – Soil B extremely channery very fine sandy loams, 50 to 70 percent slopes
17C	Chilton gravelly fine sandy loam, 6 to 15 percent slopes
DL	Disturbed land
TS	Topsoil stockpile
RW	Riverwash
W	Water

 Disturbance boundary

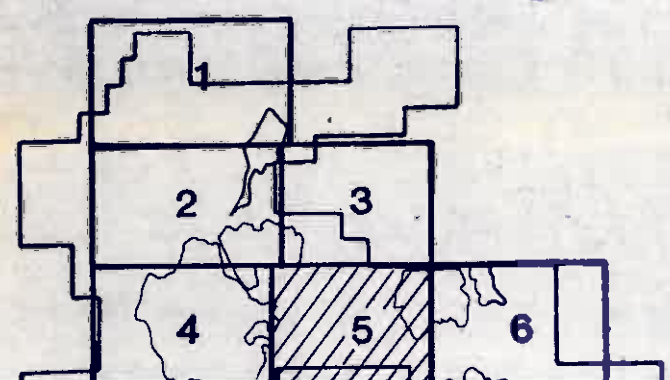
 Survey area boundary

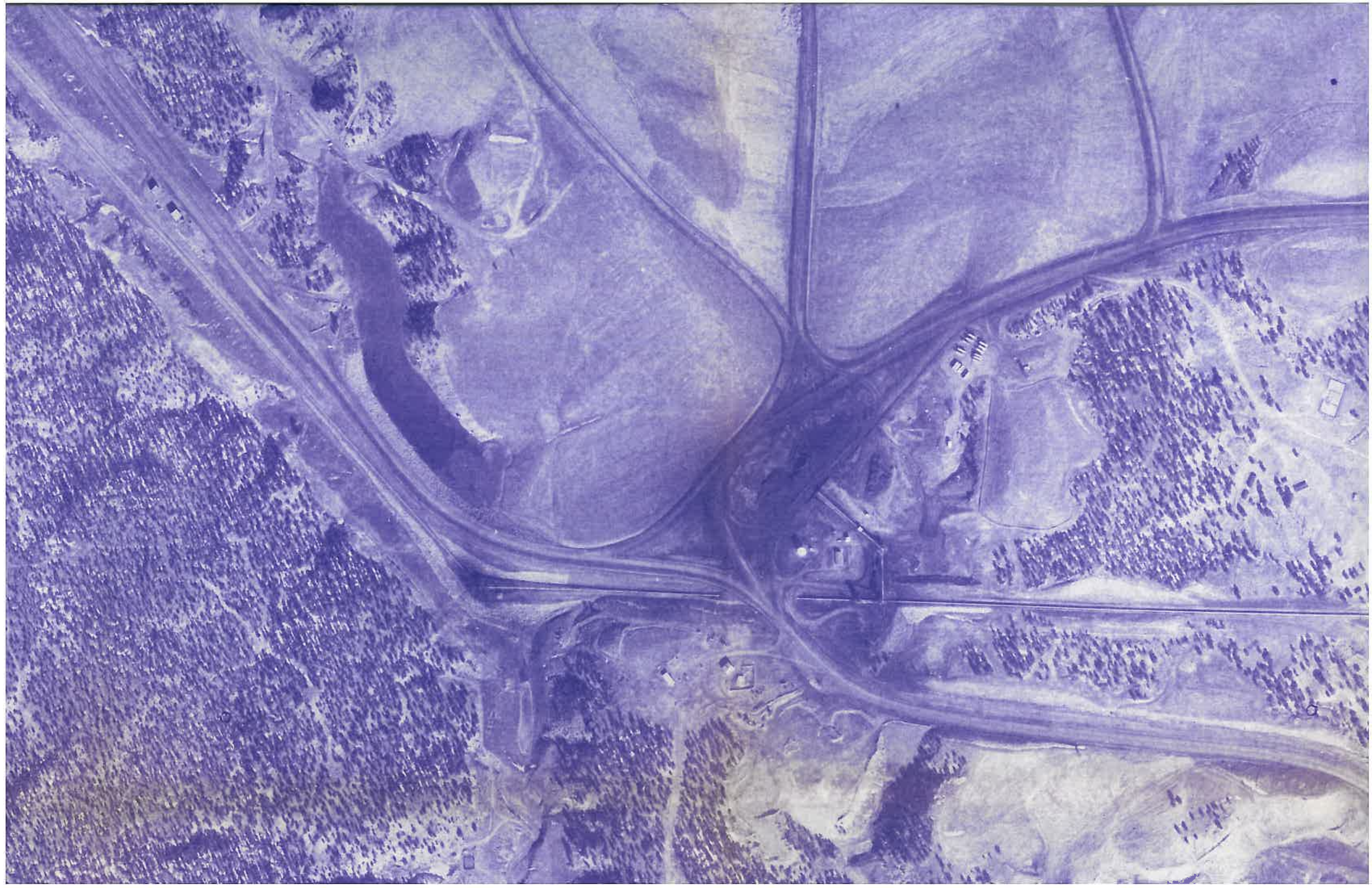
 Crop line

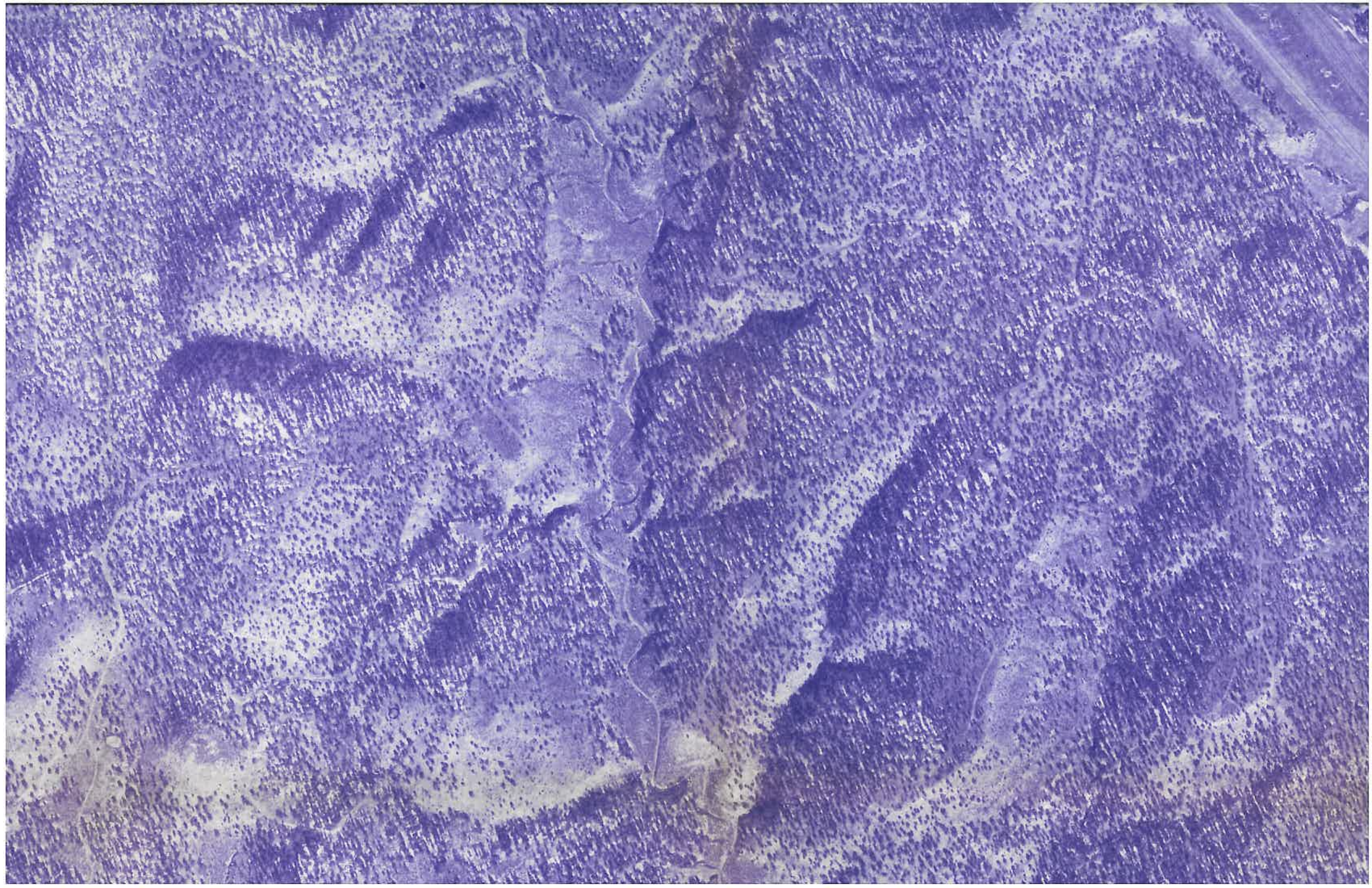
 Soil sampling site

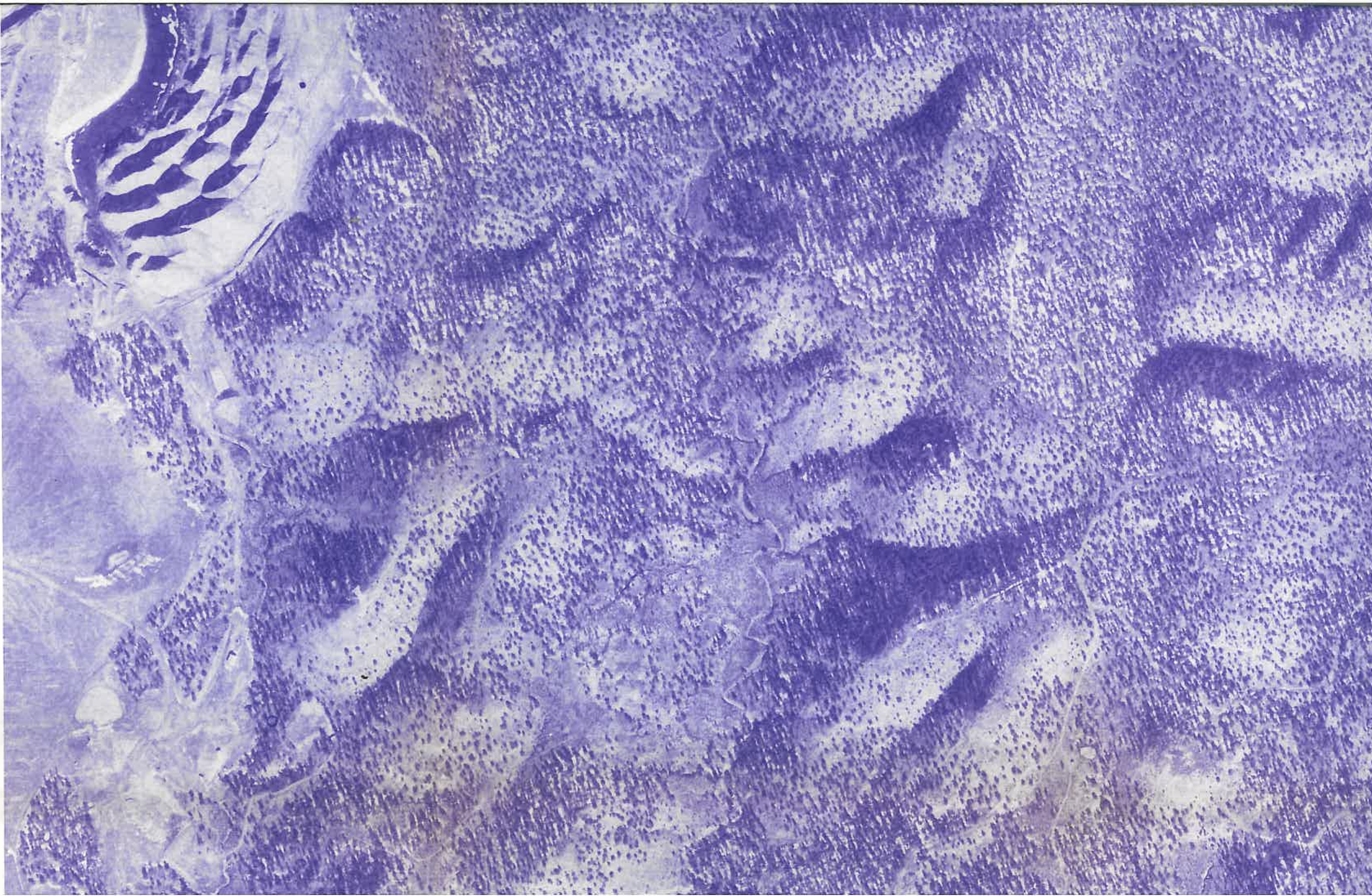
 Mapping unit delineation

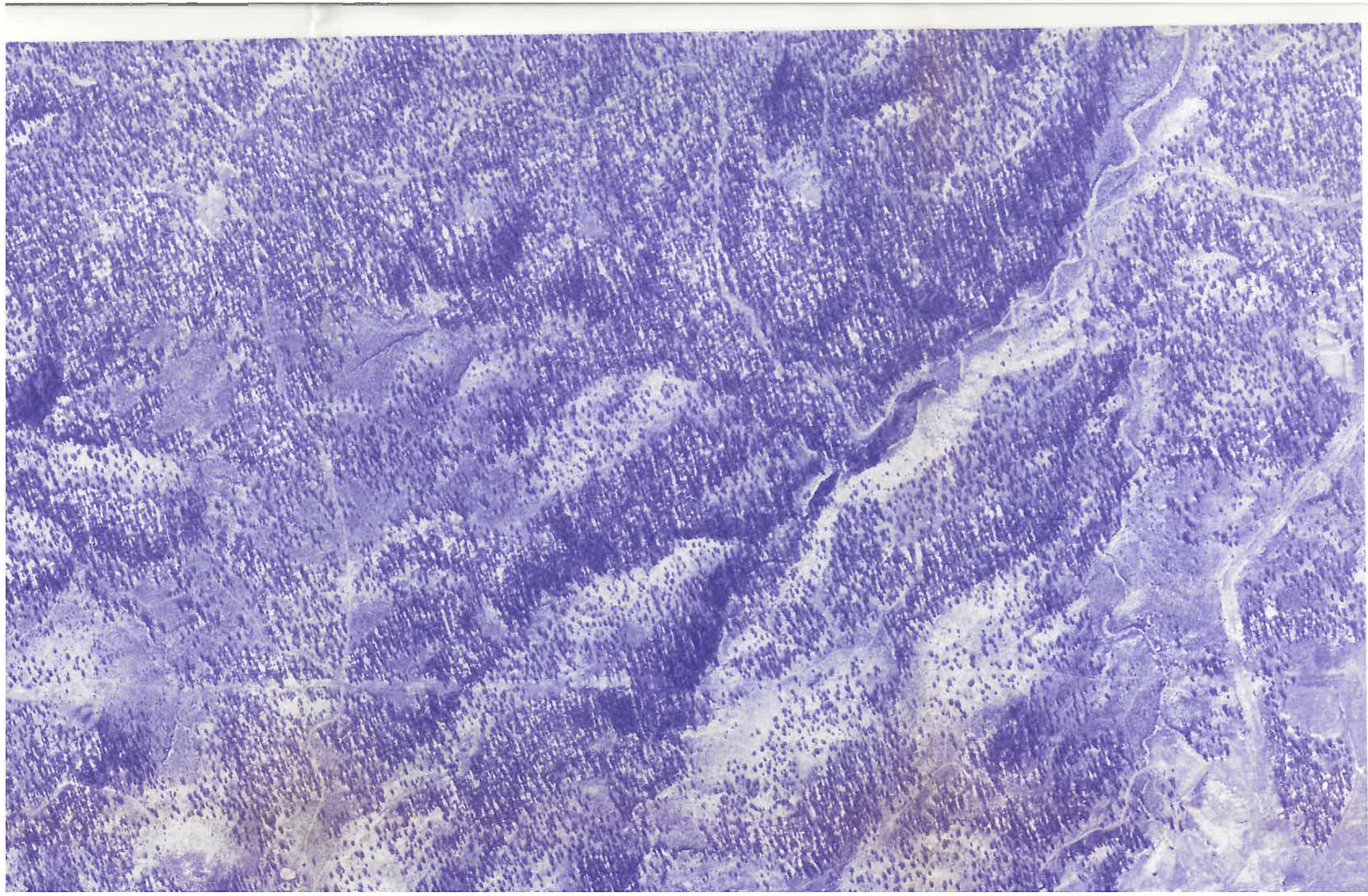
 Moist/dry phase demarcation

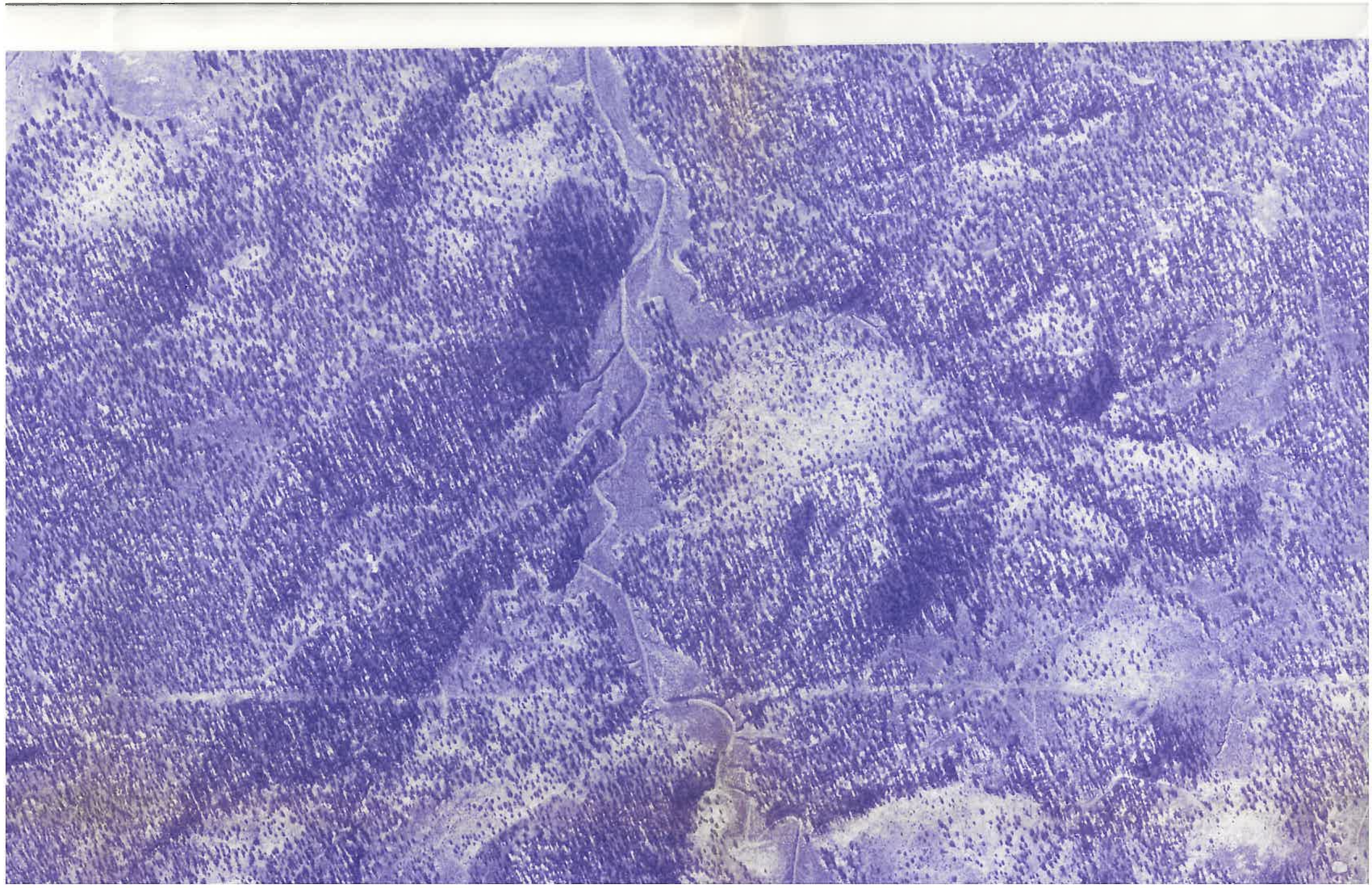


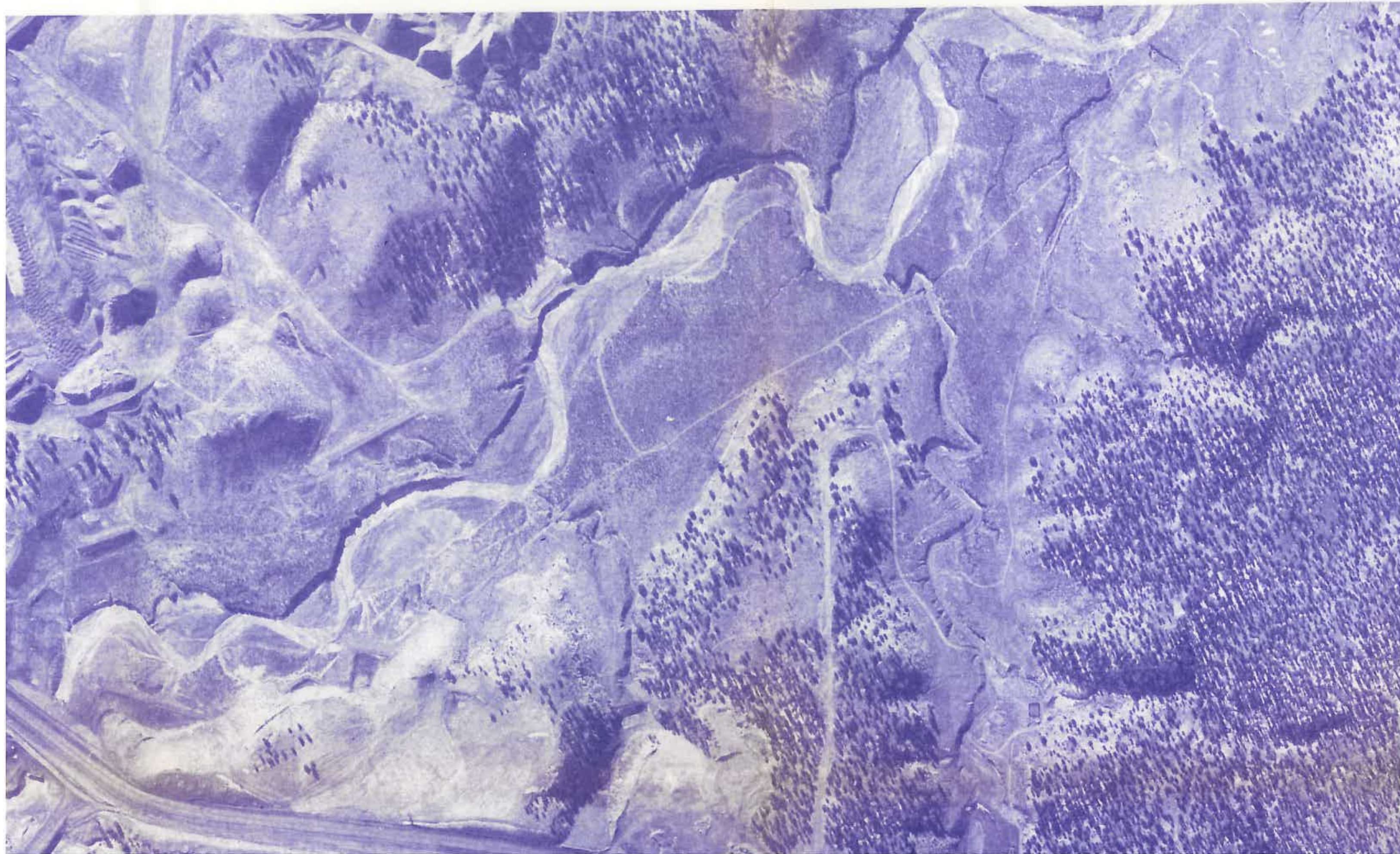


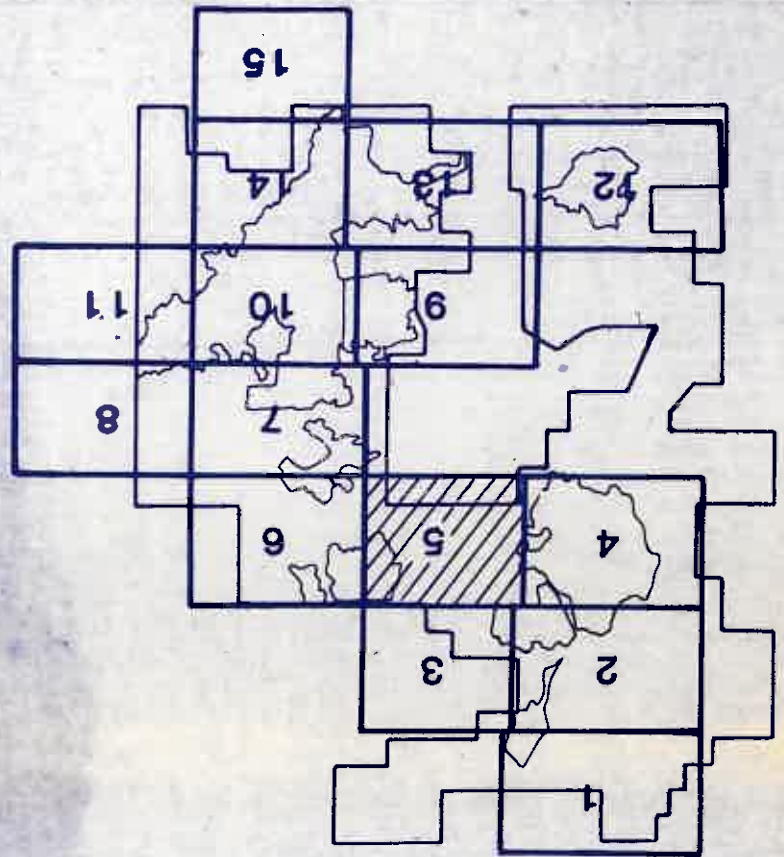












RECEIVED
BLM, PHOENIX DIST. OFF.
PHOENIX, ARIZONA
MAR 2 1986
AM 11:58 PM

PEABODY COAL COMPANY BLACK MESA-KAYENTA MINE P.O. BOX 625 KAYENTA, ARIZONA 86033				
DRG. No.	85305A	SHEET No.	5 of 15	DRAWN BY PJN
DATE	Nov. 85	SCALE	1"=400'	C.L. N/A
DRAWN BY		DATE		
AP'D BY		DATE		
PREPARED BY		DATE		
INTERMOUNTAIN SOIL, INC.				