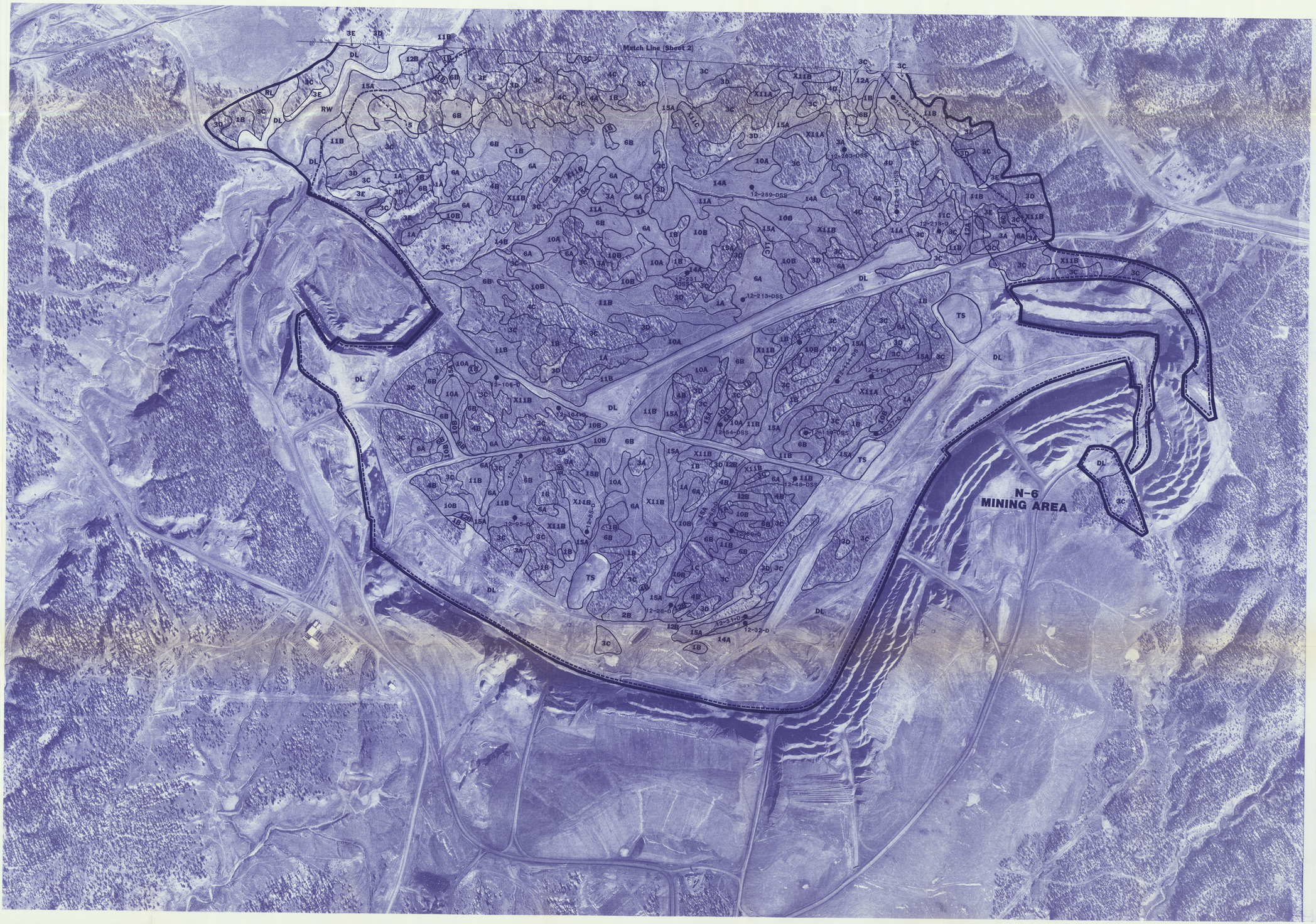
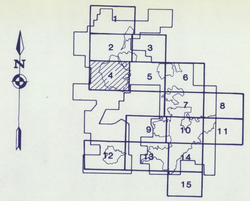



# PEABODY COAL COMPANY
## BLACK MESA – KAYENTA MINE
### DRAWING NO. 85305A

### LEGEND

| Symbol | Name |
|---|---|
| 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 |
| 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 to10 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




PEABODY COAL COMPANY
BLACK MESA-KAYENTA MINE
P.O. BOX 625
KAYENTA, ARIZONA 86033

**ORDER 1 AND 2 SOIL SURVEY**

| | |
|---|---|
| DRG. No. | 85305A |
| SHEET No. | 4 of 16 |
| DRAWN BY | PJN |
| DATE | Nov.85 |
| SCALE | 1"=400' |
| C.I. | N/A |

| DRAWN BY | APR'D BY | DATE | REVISION DESCRIPTION |
|---|---|---|---|
| | | | |
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Prepared by INTERMOUNTAIN SOILS, INC.

FEB 28 1986