

TABLE 1
J28 Coal Resource Area
Soil Survey Map Unit Legend

Symbol	Names	Topsoil Depth (ft)
1AB	Dulce very channery fine sandy loam, 1 to 8 percent slopes	0.5'
3AB	Zyme - Dulce complex, 1 to 8 percent slopes	0.5'
3CD	Zyme - Dulce complex, 8 to 30 percent slopes	0.5'
3DE	Zyme - Dulce complex, 30 to 50 percent slopes	0.5'
3E	Ustic Torriorthents - Rock Outcrop, 50 to 80 percent slopes	0
5	Pulpit very fine sandy loam, 2 to 8 percent slopes	3.0'
6AB	Sharps very fine sandy loam, 1 to 8 percent slopes	2.5'
7B	Travessilla - Zyme - Dulce complex, 2 to 6 percent slopes	0.5'
7CD	Zyme - Travessilla - Rock Outcrop complex, 6 to 30 percent slopes	0.5'
7E	Zyme - Travessilla - Rock Outcrop complex, 30 to 50 percent slopes	0
10AB	Blanding very fine sandy loam, bedrock substratum, 1 to 8 percent slopes	5.0'
X11AB	Blanding - Blanding, bedrock substratum, very fine sandy loams, 1 to 8 percent slopes	7.5'
X11C	Blanding - Blanding, bedrock substratum, very fine sandy loams, 8 to 15 percent slopes	7.5'
13A	San Mateo loam, 0 to 3 percent slopes	14.5'
14AB	Oelop very fine sandy loam, 1 to 8 percent slopes	9.5'
16C	Soil A - Soil B, extremely channery very fine sandy loams, 4 to 15 percent slopes	0.5'
16CE	Soil A - Soil B, extremely channery very fine sandy loams, 15 to 50 percent slopes	0.5'
16F	Soil A - Soil B, extremely channery very fine sandy loams, 50 to 70 percent slopes	0
P	Pond	0
RLT	Reclaimed Land, topsoiled	0.5'

— Survey area boundary
 Mapping unit delineation
● 1 Soil Sampling Site



	PEABODY WESTERN COAL COMPANY BLACK MESA MINE P.O. BOX 650 KAYENTA, ARIZONA 86033			
	J28 SOIL TYPE & TOPSOIL SALVAGE MAP			
DRAWN BY: D.BEGAY	DATE: 09/18/03	PHOTO DATE: 09/03/97	DWG. NO.: 85305C	DWG. FILENAME: J28_SOIL.DWG
CHECKED BY: R.LEHN	DATE: 09/18/03	SCALE: 1" = 400'	SHEET 1 OF 1	REV
APPROVED BY: J.NYENHUIS	DATE: 09/23/03			

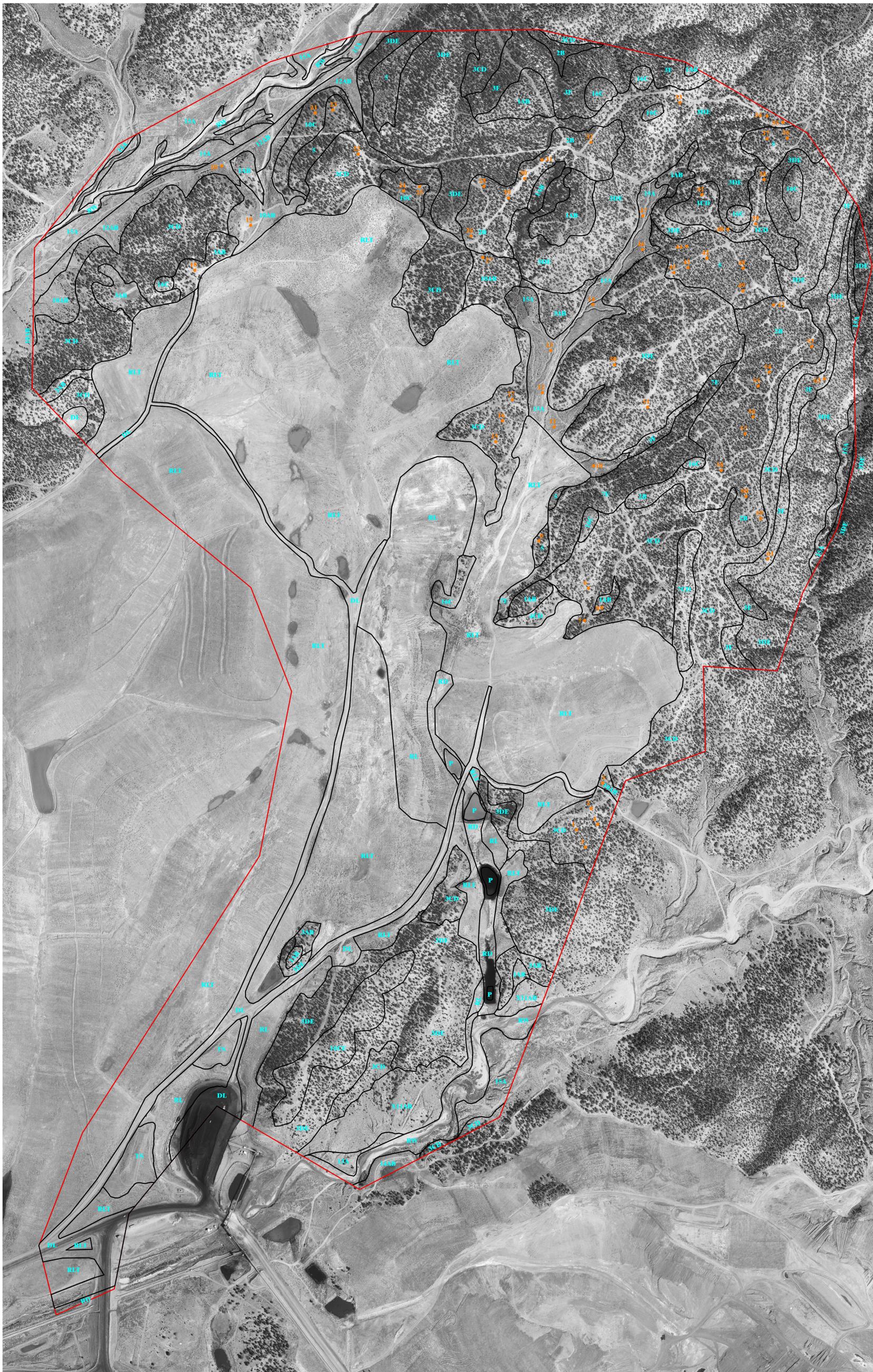


TABLE 1
N10 Coal Resource Area
Soil Survey Map Unit Legend

Symbol	Names	Topsoil Depth (ft)
	Dulce very channery fine sandy loam, 1 to 8 percent slopes	0.5
	Dulce very channery fine sandy loam, 8 to 30 percent slopes	0.5
	Bond very fine sandy loam, 1 to 8 percent slopes	1.0
	Zyme - Dulce complex, 1 to 8 percent slopes	0.5
	Zyme - Dulce complex, 8 to 30 percent slopes	0.5
	Zyme - Dulce complex, 30 to 50 percent slopes	0.5
	Ustic Torriforthis - Rock Outcrop, 50 to 80 percent slopes	0
	Zyme - very channery loam, 8 to 30 percent slopes	0.5
	Pulpit very fine sandy loam, 2 to 8 percent slopes	3.0
	Zyme - Travessilla - Rock Outcrop complex, 6 to 30 percent slopes	0.5
	Zyme - Travessilla - Rock Outcrop complex, 30 to 50 percent slopes	0
	Blanding very fine sandy loam, bedrock substratum, 1 to 8 percent slopes	5.0
	Blanding very fine sandy loam, bedrock substratum, 8 to 15 percent slopes	5.0
	Blanding - Blanding, bedrock substratum, very fine sandy loams, 1 to 8 percent slopes	7.5
	Begay loam, 1 to 8 percent slopes	9.5
	Sari Mateo loam, 0 to 3 percent slopes	14.5
	Outsp very fine sandy loam, 1 to 8 percent slopes	9.5
	Las Lucas sandy clay loam, 2 to 6 percent slopes	11.5
	Soil A - Soil B, extremely channery very fine sandy loams, 4 to 15 percent slopes	0.5
	Soil A - Soil B, extremely channery very fine sandy loams, 15 to 50 percent slopes	0.5
	Disturbed Land	0
	POND	0
	Reconstructed Drainage	0
	Reclaimed Land, no topsoil	0
	Reclaimed Land, topsoiled	0.5
	Riverwash	0
	Topsoil Stockpile	0

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		N10 SOIL TYPE & TOPSOIL SALVAGE MAP			
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D.BEGAY	08/14/03	R.LEHN	N10_SOIL.DWG		
DATE:	SCALE:	SHEET		OF	
09/22/03	1" = 400'	1		1	