

APPENDIX B.4

GEOLOGY AND SOILS INFORMATION

Table B.4-1. Soil Types by Milepost Underlying Proposed Pipeline

Soil Description	Starting Milepost	Ending Milepost
Cerini clay loam, subsided, 0 to 5 percent slopes	0.00	2.07
Cerini clay loam, 0 to 2 percent slopes	2.07	2.23
Panoche clay loam, 0 to 2 percent slopes	2.23	2.61
Cerini clay loam, subsided, 0 to 5 percent slopes	2.61	2.69
Water	2.69	2.73
Panoche clay loam, 0 to 2 percent slopes	2.73	5.19
Cerini clay loam, 0 to 2 percent slopes	5.19	5.29
Cerini sandy loam, 0 to 2 percent slopes	5.29	5.48
Ciervo, wet-Ciervo complex, saline-sodic, 0 to 1 percent slopes	5.48	5.70
Cerini sandy loam, 0 to 2 percent slopes	5.70	5.87
Ciervo, wet-Ciervo complex, saline-sodic, 0 to 1 percent slopes	5.87	6.73
Calflax clay loam, saline-sodic, wet, 0 to 1 percent slopes	6.73	7.38
Ciervo, wet-Ciervo complex, saline-sodic, 0 to 1 percent slopes	7.38	7.97
Ciervo clay, saline-sodic, wet, 0 to 1 percent slopes	7.97	8.25
Calflax clay loam, saline-sodic, wet, 0 to 1 percent slopes	8.25	8.39
Ciervo clay, saline-sodic, wet, 0 to 1 percent slopes	8.39	8.59
Calflax clay loam, saline-sodic, wet, 0 to 1 percent slopes	8.59	8.88
Tranquillity clay, saline-sodic, wet, 0 to 1 percent slopes	8.88	10.37
Calflax clay loam, saline-sodic, wet, 0 to 1 percent slopes	10.37	10.58
Tranquillity clay, saline-sodic, wet, 0 to 1 percent slopes	10.58	11.08
Calflax clay loam, saline-sodic, wet, 0 to 1 percent slopes	11.08	11.29
Tranquillity clay, saline-sodic, wet, 0 to 1 percent slopes	11.29	12.18
Calflax clay loam, saline-sodic, wet, 0 to 1 percent slopes	12.18	12.32
Tranquillity clay, saline-sodic, wet, 0 to 1 percent slopes	12.32	13.93
Posochanet clay loam, saline-sodic, wet, 0 to 1 percent slopes	13.93	13.99
Tranquillity clay, saline-sodic, wet, 0 to 1 percent slopes	13.99	13.99
Posochanet clay loam, saline-sodic, wet, 0 to 1 percent slopes	13.99	14.01
Tranquillity clay, saline-sodic, wet, 0 to 1 percent slopes	14.01	15.49
Calflax clay loam, saline-sodic, wet, 0 to 1 percent slopes	15.49	15.96
Posochanet clay loam, saline-sodic, wet, 0 to 1 percent slopes	15.96	16.90
Tranquillity clay, saline-sodic, wet, 0 to 1 percent slopes	16.90	17.36
Tachi clay, 0 to 1 percent slopes	17.36	17.92
Elnido sandy loam, drained, 0 to 1 percent slopes	17.92	17.99
Water	17.99	18.03
Waukena loam	18.03	18.45
Traver fine sandy loam	18.45	18.50
Waukena loam	18.50	18.55
Pond loam	18.55	18.89
Waukena loam	18.89	18.90

Table B.4-1. Soil Types by Milepost Underlying Proposed Pipeline

Soil Description	Starting Milepost	Ending Milepost
Pond loam	18.90	19.07
Chino fine sandy loam	19.07	19.25
Traver sandy loam	19.25	20.01
Waukena loam	20.01	21.87
Hesperia coarse sandy loam	21.87	21.91
Waukena loam	21.91	22.11
Chino loam, saline-alkali	22.11	22.17
Waukena loam	22.17	22.28
Chino loam, saline-alkali	22.28	22.37
Water	22.37	22.39
Pond loam, moderately deep	22.39	22.92
Traver fine sandy loam, moderately deep	22.92	23.04
Chino loam, saline-alkali	23.04	23.42
Traver fine sandy loam	23.42	23.54
Traver fine sandy loam, moderately deep	23.54	23.99
Wunjey silt loam	23.99	24.26
Traver fine sandy loam	24.26	24.29
Chino loam, saline-alkali	24.29	24.63
Traver fine sandy loam	24.63	24.70
Chino loam	24.70	24.93
Dello sandy loam	24.93	25.01
Grangeville fine sandy loam	25.01	25.10
Water	25.10	25.15
Water	25.15	25.16
Grangeville fine sandy loam, slightly saline-alkali, 0 to 1 percent slopes	25.16	25.37
Grangeville fine sandy loam, 0 to 1 percent slopes	25.37	25.39
Chino loam, moderately saline-alkali, 0 to 1 percent slopes	25.39	25.44
Traver loam, moderately saline alkali, 0 to 1 percent slopes	25.43	25.47
Traver-Chino complex, slightly saline alkali, 0 to 1 percent slopes	25.47	25.67
Traver loam, moderately saline alkali, 0 to 1 percent slopes	25.67	25.71
Traver-Chino complex, slightly saline alkali, 0 to 1 percent slopes	25.71	25.97
Traver loam, strongly saline-alkali, 0 to 1 percent slopes	25.97	26.28
Pachappa fine sandy loam, slightly saline-alkali, 0 to 1 percent slopes	26.28	26.33
Traver loam, moderately saline alkali, 0 to 1 percent slopes	26.33	26.69
Pachappa fine sandy loam, slightly saline-alkali, 0 to 1 percent slopes	26.69	26.71
Traver loam, strongly saline-alkali, 0 to 1 percent slopes	26.71	26.78
Pachappa fine sandy loam, slightly saline-alkali, 0 to 1 percent slopes	26.78	26.80
Traver loam, strongly saline-alkali, 0 to 1 percent slopes	26.80	26.87 (Compressor site)

Table B.4-2. Soil Types by Milepost Underlying Proposed Power Line

Soil Description	Start Milepost	End Milepost
Fresno and El Peco fine sandy loams, strongly saline-alkali, 0 to 1 percent slopes	0.00	1.63
Water	1.63	1.82
Fresno and El Peco fine sandy loams, slightly saline-alkali, 0 to 1 percent slopes	1.82	1.85
Cajon loamy sand, slightly saline-alkali, 0 to 1 percent slopes	1.85	1.94
Fresno and El Peco fine sandy loams, strongly saline-alkali, 0 to 1 percent slopes	1.94	2.52
Cajon loamy sand, slightly saline-alkali, 0 to 1 percent slopes	2.52	2.65
Fresno and El Peco fine sandy loams, strongly saline-alkali, 0 to 1 percent slopes	2.65	2.70
Cajon loamy sand, slightly saline-alkali, 0 to 1 percent slopes	2.70	2.83
Fresno and El Peco fine sandy loams, strongly saline-alkali, 0 to 1 percent slopes	2.83	2.98
Cajon loamy sand, slightly saline-alkali, 0 to 1 percent slopes	2.98	3.03
Dinuba-El Peco fine sandy loams, moderately saline alkali, 0 to 1 percent slopes	3.03	3.10
Cajon loamy sand, slightly saline-alkali, 0 to 1 percent slopes	3.10	3.28
Fresno and El Peco fine sandy loams, strongly saline-alkali, 0 to 1 percent slopes	3.28	4.06
Cajon loamy sand, slightly saline-alkali, 0 to 1 percent slopes	4.06	4.09
Fresno and El Peco fine sandy loams, strongly saline-alkali, 0 to 1 percent slopes	4.09	4.46
Cajon loamy sand, slightly saline-alkali, 0 to 1 percent slopes	4.46	4.49
Fresno and El Peco fine sandy loams, strongly saline-alkali, 0 to 1 percent slopes	4.49	4.53
Cajon loamy sand, slightly saline-alkali, 0 to 1 percent slopes	4.53	4.53
Fresno and El Peco fine sandy loams, strongly saline-alkali, 0 to 1 percent slopes	4.53	4.97
Chino fine sandy loam, 0 to 1 percent slopes	4.97	5.07
Cajon loamy sand, 0 to 1 percent slopes	5.07	5.13
Fresno and El Peco fine sandy loams, moderately saline-alkali, to 1 percent slopes	5.13	5.25
Cajon loamy sand, 0 to 1 percent slopes	5.25	5.27
El Peco-Dinuba fine sandy loams, strongly saline alkali, 0 to 1 percent slopes	5.27	5.29
Dinuba-El Peco fine sandy loams, slightly saline alkali, 0 to 1 percent slopes	5.29	5.37
Chino fine sandy loam, 0 to 1 percent slopes	5.37	5.44
Cajon loamy sand, 0 to 1 percent slopes	5.44	5.44
El Peco-Dinuba fine sandy loams, strongly saline alkali, 0 to 1 percent slopes	5.44	5.48
Chino fine sandy loam, 0 to 1 percent slopes	5.48	5.51
Dinuba-El Peco fine sandy loams, slightly saline alkali, 0 to 1 percent slopes	5.51	5.73
El Peco-Dinuba fine sandy loams, strongly saline alkali, 0 to 1 percent slopes	5.73	5.78
Cajon loamy sand, slightly saline-alkali, 0 to 1 percent slopes	5.78	5.84
Calhi loamy sand, moderately deep and deep over silt, moderately saline-alkali,	5.84	5.88

Table B.4-2. Soil Types by Milepost Underlying Proposed Power Line

Soil Description	Start Milepost	End Milepost
0 to		
Cajon loamy sand, slightly saline-alkali, 0 to 1 percent slopes	5.88	5.94
Calhi loamy sand, moderately deep and deep over silt, moderately saline-alkali, 0 to	5.94	6.00
Dinuba-EI Peco fine sandy loams, slightly saline alkali, 0 to 1 percent slopes	6.00	6.20
EI Peco-Dinuba fine sandy loams, strongly saline alkali, 0 to 1 percent slopes	6.20	6.40
Dinuba-EI Peco fine sandy loams, slightly saline alkali, 0 to 1 percent slopes	6.40	6.50
Cajon loamy sand, slightly saline-alkali, 0 to 1 percent slopes	6.50	6.53
Dinuba-EI Peco fine sandy loams, slightly saline alkali, 0 to 1 percent slopes	6.53	6.55
EI Peco-Dinuba fine sandy loams, strongly saline alkali, 0 to 1 percent slopes	6.55	6.57
Dinuba-EI Peco fine sandy loams, slightly saline alkali, 0 to 1 percent slopes	6.57	6.60
Cajon loamy sand, slightly saline-alkali, 0 to 1 percent slopes	6.60	6.62
Calhi loamy sand, moderately deep and deep over silt, slightly saline-alkali, 0 to	6.62	6.65
EI Peco-Dinuba fine sandy loams, strongly saline alkali, 0 to 1 percent slopes	6.65	6.68
Cajon loamy sand, slightly saline-alkali, 0 to 1 percent slopes	6.68	6.71
Dinuba-EI Peco fine sandy loams, moderately saline alkali, 0 to 1 percent slopes	6.71	6.97
Dinuba-EI Peco fine sandy loams, slightly saline alkali, 0 to 1 percent slopes	6.97	7.11
EI Peco-Dinuba fine sandy loams, strongly saline alkali, 0 to 1 percent slopes	7.11	7.21
Cajon loamy sand, slightly saline-alkali, 0 to 1 percent slopes	7.21	7.23
EI Peco-Dinuba fine sandy loams, strongly saline alkali, 0 to 1 percent slopes	7.23	7.25
Dinuba-EI Peco loams, slightly saline alkali, 0 to 1 percent slopes	7.25	7.35
Cajon loamy sand, slightly saline-alkali, 0 to 1 percent slopes	7.35	7.38
EI Peco-Dinuba fine sandy loams, strongly saline alkali, 0 to 1 percent slopes	7.38	7.41
Dinuba-EI Peco fine sandy loams, moderately saline alkali, 0 to 1 percent slopes	7.41	7.47
EI Peco-Dinuba fine sandy loams, strongly saline alkali, 0 to 1 percent slopes	7.47	7.50
Dinuba-EI Peco fine sandy loams, moderately saline alkali, 0 to 1 percent slopes	7.50	7.52
EI Peco-Dinuba fine sandy loams, strongly saline alkali, 0 to 1 percent slopes	7.52	7.67
Dinuba-EI Peco fine sandy loams, slightly saline alkali, 0 to 1 percent slopes	7.67	7.70
EI Peco-Dinuba fine sandy loams, strongly saline alkali, 0 to 1 percent slopes	7.70	8.09
Cajon loamy sand, slightly saline-alkali, 0 to 1 percent slopes	8.09	8.23
EI Peco-Dinuba fine sandy loams, strongly saline alkali, 0 to 1 percent slopes	8.23	8.56
Dinuba-EI Peco fine sandy loams, moderately saline alkali, 0 to 1 percent slopes	8.56	8.63
EI Peco-Dinuba fine sandy loams, strongly saline alkali, 0 to 1 percent slopes	8.63	8.71
Dinuba-EI Peco fine sandy loams, moderately saline alkali, 0 to 1 percent slopes	8.71	8.96
EI Peco-Dinuba fine sandy loams, strongly saline alkali, 0 to 1 percent slopes	8.96	9.01
Dinuba-EI Peco fine sandy loams, moderately saline alkali, 0 to 1 percent slopes	9.01	9.11
Cajon loamy sand, slightly saline-alkali, 0 to 1 percent slopes	9.11	9.13
Traver loam, strongly saline-alkali, 0 to 1 percent slopes	9.13	9.50