APPENDIX 3C
SOIL UNITS TABLES

Table 3C-1 Summary of Third-Order Soil Units in the Mining and Processing Facilities Area

Component Name	Comp %	Total Acres	Horizon	Horizon Depth (inches bgs)	Texture	pH	Water Erosion[1]	Wind Erosion[2]	Slope (%)	Growth Media Potential	Growth Media Limiting Factors[3]	RSD[4] (inches)
Map Unit 260 - Dewar-Chiara-Hunnton association												
Dewar	40	208.9	H1	0-3	Gravelly silt loam	6.6-8.4	0.24	7	2 to 8	poor to fair	CF	19
			H2	3-13	Gravelly silty clay loam	6.6-8.4						
			H3	13-19	Gravelly silt loam	7.9-8.4						
			H4	19-40	Cemented material	--						
Chiara	30		H1	0-4	Silt loam	6.6-8.4	0.55	5	2 to 8	fair	pH	4
			H2	4-11	Silt loam	6.6-9.0						
			H3	11-15	Cemented material	--						
Hunnton	15		H1	0-8	Silt loam	7.4-8.4	0.49	5	2 to 8	fair	pH	12
			H2	8-12	Clay loam	7.9-8.4						
			H3	12-12	Gravelly clay	7.4-8.4						
			H4	21-40	Cemented material	--						
Map Unit 400 - Cleavage-Sumine association												
Cleavage	35	35.0	H1	0-7	V. gravelly loam	6.6-7.8	0.17	8	15 to 30	unsuitable	S, CF	--
			H2	7-15	V. gravelly clay loam	6.6-7.8						
			H3	15-25	Bedrock	--						
Cleavage	30		H1	0-7	V. gravelly loam	6.6-7.8	0.17	8	2 to 15	unsuitable	S, CF	--
			H2	7-15	V. gravelly clay loam	6.6-7.8						
			H3	15-25	Bedrock	--						
Sumine	20		H1	0-9	V. gravelly loam	6.6-7.8	0.15	7	30 to 50	unsuitable	S, CF	--
			H2	9-23	V. gravelly clay loam	6.6-7.8						
			H3	23-33	Bedrock	--						
Map Unit 575 - Pookaloo-Cavehill-Rock outcrop association												
Pookaloo	40	3,365.5	H1	0-2	V. gravelly loam	7.9-8.4	0.15	6	15 to 50	unsuitable	S, CF	--
			H2	2-14	V. gravelly loam	7.9-8.4						
			H3	14-24	Bedrock	--						
Cavehill	30		H1	0-12	V. gravelly silt loam	7.9-9.0	0.1	6	15 to 50	unsuitable	pH, S, CF	--
			H2	12-30	V. gravelly loam	7.9-9.0						
			H3	30-40	Bedrock	--						

Component Name	Comp %	Total Acres	Horizon	Horizon Depth (inches bgs)	Texture	pH	Water Erosion[1]	Wind Erosion[2]	Slope (%)	Growth Media Potential	Growth Media Limiting Factors[3]	RSD[4] (inches)
Map Unit 852 - Palinor-Pyrat-Shabliss association												
Palinor	40	582.7	H1	0-8	V. gravelly loam	7.9-9.0	0.17	6	4 to 15	unsuitable	S, pH, CF	--
			H2	8-16	Ext. gravelly loam	7.9-9.0						
			H3	16-34	Cemented material	--						
			H4	34-60	V. gravelly loamy sand	7.9-9.0						
Pyrat	30		H1	0-6	Gravelly sandy loam	7.9-8.4	0.1	5	2 to 8	poor to fair	CF	6
			H2	6-14	V. gravelly sandy loam	7.9-8.4						
			H3	14-21	V. gravelly sandy loam	7.9-9.0						
			H4	21-42	V. gravelly sandy loam	7.9-9.0						
			H5	42-60	V. gravelly sandy loam	7.9-9.0						
Shabliss	15		H1	0-2	Gravelly fine sandy loam	7.9-8.4	0.2	5	2 to 8	poor	pH, CF	--
			H2	2-15	V. fine sandy loam	6.6-9.0						
			H3	15-31	Cemented material	--						
			H4	31-60	V. gravelly loamy sand	7.9-9.6						
Map Unit 854 - Palinor-Automal-Shabliss association												
Palinor	45	1,243.7	H1	0-8	V. gravelly loam	7.9-9.0	0.17	6	2 to 8	unsuitable	pH, CF	--
			H2	8-16	Ext. gravelly loam	7.9-9.0						
			H3	16-34	Cemented material	--						
			H4	34-60	V. gravelly loamy sand	7.9-9.0						
Automal	30		H1	0-8	Gravelly silt loam	7.9-9.0	0.24	5	4 to 15	poor	S, pH, CF	--
			H2	8-49	Ext. gravelly sandy loam	7.9-9.0						
			H3	49-60	Ext. gravelly loam coarse sand	7.9-9.0						
Shabliss	15		H1	0-2	Gravelly fine sandy loam	7.9-8.4	0.2	5	4 to 15	poor	S, CF	--
			H2	2-15	V. fine sandy loam	6.6-9.0						
			H3	15-31	Cemented material	--						
			H4	31-60	V. gravelly loamy sand	7.9-9.6						
Map Unit 881 - Duffer-Kunzler association												
Duffer	45	4,949.3	H1	0-4	Silt loam	7.9-9.6	0.49	4L	0 to 2	unsuitable	pH	--
			H2	4-60	Silty clay loam	7.9-9.6						

Component Name	Comp %	Total Acres	Horizon	Horizon Depth (inches bgs)	Texture	pH	Water Erosion[1]	Wind Erosion[2]	Slope (%)	Growth Media Potential	Growth Media Limiting Factors[3]	RSD[4] (inches)
Kunzler	40		H1	0-16	Loam	7.9-9.0	0.43	5	2 to 4	poor	pH	--
			H2	16-48	Fine sandy loam	7.9-9.0						
			H3	48-60	Loam	7.9-9.0						
Map Unit 1172 - Pyrat-Automal, very stony-Automal association												
Pyrat	35	1,518.8	H1	0-6	V. stony sandy loam	7.9-9.0	0.1	6	4 to 8	unsuitable	pH, CF	--
			H2	6-14	V. gravelly sandy loam	7.9-8.4						
			H3	14-21	V. gravelly sandy loam	7.9-9.0						
			H4	21-42	V. gravelly sandy loam	7.9-9.0						
			H5	42-60	V. gravelly sandy loam	7.9-9.0						
Automal	30		H1	0-8	V. stony sandy loam	7.9-9.0	0.1	6	4 to 15	unsuitable	pH, CF	--
			H2	8-49	Ext. gravelly sandy loam	7.9-9.0						
			H3	49-60	Ext. gravelly loamy coarse sand	7.9-9.0						
Automal	20		H1	0-8	Gravelly loam	7.9-9.0	0.2	5	4 to 8	poor	pH, CF	--
			H2	8-49	Ext. gravelly sandy loam	7.9-9.0						
			H3	49-60	Ext. gravelly loamy coarse sand	7.9-9.0						
Map Unit 1181 - Haunchee-Halacan-Wardbay association												
Haunchee	35	2,696.6	H1	0-4	V. gravelly loam	7.4-8.4	0.1	6	15 to 50	unsuitable	S, CF	--
			H2	4-11	V. gravelly loam	7.9-9.0						
			H3	11-21	Bedrock	--						
Halacan	30		H1	0-5	V. gravelly loam	7.9-8.4	0.2	6	8 to 30	unsuitable	S, CF	--
			H2	5-12	Ext. channery loam	7.9-9.0						
			H3	12-22	Bedrock	--						
Wardbay	20		H1	0-14	V. gravelly loam	7.4-8.4	0.1	6	15 to 50	unsuitable	S, CF	--
			H2	14-55	Ext. cobbly silt loam	7.9-8.4						
			H3	55-65	Bedrock	--						
Map Unit 1213 - Blimo-Threesee association												
Blimo	60	2,479	H1	80	Sandy loam	7.9-8.4	0.24	3	0 to 2	poor to fair	pH, CF	21
			H2	8-21	Gravelly sandy loam	7.9-8.4						
			H3	21-36	Gravelly sandy loam	7.9-9.0						

Component Name	Comp %	Total Acres	Horizon	Horizon Depth (inches bgs)	Texture	pH	Water Erosion[1]	Wind Erosion[2]	Slope (%)	Growth Media Potential	Growth Media Limiting Factors[3]	RSD[4] (inches)
			H4	36-60	Sandy loam	7.9-9.0						
Threesee	25		H1	0-3	Gravelly loam	7.9-8.4	0.24	5	0 to 4	poor to fair	pH, CF	14
			H2	3-14	Gravelly loam	7.9-8.4						
			H3	14-46	V. gravelly loamy sand	8.5-9.0						
			H4	46-60	Gravelly coarse sand	8.5-9.0						
Map Unit 1216 - Blimo-Idway-Mazuma association												
Blimo	35	1,683.2	H1	0-8	Sandy loam	7.9-8.4	0.24	3	0 to 2	poor to fair	pH, CF	21
			H2	8-21	Gravelly sandy loam	7.9-8.4						
			H3	21-36	Gravelly sandy loam	7.9-9.0						
			H4	36-60	Sandy loam	7.9-9.0						
Idway	30		H1	0-4	Sandy loam	7.9-9.0	0.24	3	0 to 2	poor	pH	--
			H2	4-12	Sandy loam	7.9-9.0						
			H3	12-27	Loam	8.5-9.6						
			H4	27-60	Gravelly sand	8.5-9.6						
Mazuma	25		H1	0-15	Silt loam	7.9-9.6	0.55	5	0 to 2	unsuitable	pH	--
			H2	15-60	Fine sandy loam	7.9-9.6						
Map Unit 1281 - Sycomat-Mazuma association												
Sycomat	60	2,210.7	H1	0-4	Silt loam	7.9-8.4	0.55	4L	0 to 2	fair	pH	4
			H2	4-15	Sandy loam	8.5-9.6						
			H3	15-44	Sandy loam	8.5-9.6						
			H4	44-60	Loamy sand	8.5-9.6						
Mazuma	25		H1	0-15	Silt loam	7.9-9.6	0.55	5	0 to 2	unsuitable	pH	--
			H2	15-60	Fine sandy loam	7.9-9.6						
Map Unit 1290 - Heist-Blimo association												
Heist	45	1,153.1	H1	0-4	Fine sandy loam	7.9-9.0	0.28	3	0 to 4	poor	pH	--
			H2	4-40	Fine sandy loam	7.9-9.0						
			H3	40-60	Gravelly fine sandy loam	7.9-9.0						
Blimo	40		H1	0-8	Gravelly loam	7.9-8.4	0.2	5	0 to 4	poor to fair	pH, CF	21
			H2	8-21	Gravelly sandy loam	7.9-8.4						
			H3	21-36	Gravelly sandy loam	7.9-9.0						

Component Name	Comp %	Total Acres	Horizon	Horizon Depth (inches bgs)	Texture	pH	Water Erosion[1]	Wind Erosion[2]	Slope (%)	Growth Media Potential	Growth Media Limiting Factors[3]	RSD[4] (inches)
			H4	36-60	Sandy loam	7.9-9.0						
Map Unit 1410 - Threesee-Tosser association												
Threesee	65	2,652.1	H1	0-3	Gravelly loam	7.9-8.4	0.24	5	2 to 8	poor to fair	CF	14
			H2	3-14	Gravelly loam	7.9-8.4						
			H3	14-16	V. gravelly loamy sand	8.5-9.0						
			H4	46-60	Gravelly coarse sand	8.5-9.0						
Tosser	20		H1	0-5	V. gravelly sandy loam	7.9-8.4	0.1	6	0 to 4	unsuitable	CF	--
			H2	5-16	V. gravelly loamy sand	8.5-9.0						
			H3	16-26	Ext. gravelly sand	8.5-9.0						
			H4	26-60	V. gravelly sand	8.5-9.0						
Map Unit 260 - Dewar-Chiara-Hunnton association												
Dewar	40	208.9	H1	0-3	Gravelly silt loam	6.6-8.4	0.24	7	2 to 8	poor to fair	CF	19
			H2	3-13	Gravelly silty clay loam	6.6-8.4						
			H3	13-19	Gravelly silt loam	7.9-8.4						
			H4	19-40	Cemented material	--						
Chiara	30		H1	0-4	Silt loam	6.6-8.4	0.55	5	2 to 8	fair	pH	4
			H2	4-11	Silt loam	6.6-9.0						
			H3	11-15	Cemented material	--						
Hunnton	15		H1	0-8	Silt loam	7.4-8.4	0.49	5	2 to 8	fair	pH	12
			H2	8-12	Clay loam	7.9-8.4						
			H3	12-12	Gravelly clay	7.4-8.4						
			H4	21-40	Cemented material	--						
Map Unit 400 - Cleavage-Sumine association												
Cleavage	35	35.0	H1	0-7	Very gravelly loam	6.6-7.8	0.17	8	15 to 30	unsuitable	S, CF	--
			H2	7-15	Very gravelly clay loam	6.6-7.8						
			H3	15-25	Bedrock	--						
Cleavage	30		H1	0-7	Very gravelly loam	6.6-7.8	0.17	8	2 to 15	unsuitable	S, CF	--
			H2	7-15	Very gravelly clay loam	6.6-7.8						
			H3	15-25	Bedrock	--						
Sumine	20		H1	0-9	Very gravelly loam	6.6-7.8	0.15	7	30 to 50	unsuitable	S, CF	--

Component Name	Comp %	Total Acres	Horizon	Horizon Depth (inches bgs)	Texture	pH	Water Erosion[1]	Wind Erosion[2]	Slope (%)	Growth Media Potential	Growth Media Limiting Factors[3]	RSD[4] (inches)
			H2	9-23-	Very gravelly clay loam	6.6-7.8						
			H3	23-33	Bedrock	--						
Map Unit 575 - Pookaloo-Cavehill-Rock outcrop association												
Pookaloo	40	3,365.5	H1	0-2	Very gravelly loam	7.9-8.4	0.15	6	15 to 50	unsuitable	S, CF	--
			H2	2-14	Very gravelly loam	7.9-8.4						
			H3	14-24	Bedrock	--						
Cavehill	30		H1	0-12	Very gravelly silt loam	7.9-9.0	0.1	6	15 to 50	unsuitable	pH, S, CF	--
			H2	12-30	Very gravelly loam	7.9-9.0						
			H3	30-40	Bedrock	--						
Map Unit 852 - Palinor-Pyrat-Shabliss association												
Palinor	40	582.7	H1	0-8	Very gravelly loam	7.9-9.0	0.17	6	4 to 15	unsuitable	S, pH, CF	--
			H2	8-16	Extremely gravelly loam	7.9-9.0						
			H3	16-34	Cemented material	--						
			H4	34-60	Very gravelly loamy sand	7.9-9.0						
Pyrat	30		H1	0-6	Gravelly sandy loam	7.9-8.4	0.1	5	2 to 8	poor to fair	CF	6
			H2	6-14	Very gravelly sandy loam	7.9-8.4						
			H3	14-21	Very gravelly sandy loam	7.9-9.0						
			H4	21-42	Very gravelly sandy loam	7.9-9.0						
			H5	42-60	Very gravelly sandy loam	7.9-9.0						
Shabliss	15		H1	0-2	Gravelly fine sandy loam	7.9-8.4	0.2	5	2 to 8	poor	pH, CF	--
			H2	2-15	Very fine sandy loam	6.6-9.0						
			H3	15-31	Cemented material	--						
			H4	31-60	Very gravelly loamy sand	7.9-9.6						
Map Unit 854 - Palinor-Automal-Shabliss association												
Palinor	45	1,243.7	H1	0-8	Very gravelly loam	7.9-9.0	0.17	6	2 to 8	unsuitable	pH, CF	--
			H2	8-16	Extremely gravelly loam	7.9-9.0						
			H3	16-34	Cemented material	--						
			H4	34-60	Very gravelly loamy sand	7.9-9.0						
Automal	30		H1	0-8	Gravelly silt loam	7.9-9.0	0.24	5	4 to 15	poor	S, pH, CF	--
			H2	8-49	Extremely gravelly sandy	7.9-9.0						

Component Name	Comp %	Total Acres	Horizon	Horizon Depth (inches bgs)	Texture	pH	Water Erosion[1]	Wind Erosion[2]	Slope (%)	Growth Media Potential	Growth Media Limiting Factors[3]	RSD[4] (inches)
					loam							
			H3	49-60	Extremely gravelly loam coarse sand	7.9-9.0						
Shabliss	15		H1	0-2	Gravelly fine sandy loam	7.9-8.4	0.2	5	4 to 15	poor	S, CF	--
			H2	2-15	Very fine sandy loam	6.6-9.0						
			H3	15-31	Cemented material	--						
			H4	31-60	Very gravelly loamy sand	7.9-9.6						
Map Unit 881 - Duffer-Kunzler association												
Duffer	45	4,949.3	H1	0-4	Silt loam	7.9-9.6	0.49	4L	0 to 2	unsuitable	pH	--
			H2	4-60	Silty clay loam	7.9-9.6						
Kunzler	40		H1	0-16	Loam	7.9-9.0	0.43	5	2 to 4	poor	pH	--
			H2	16-48	Fine sandy loam	7.9-9.0						
			H3	48-60	Loam	7.9-9.0						
Map Unit 1172 - Pyrat-Automal, very stony-Automal association												
Pyrat	35	1,518.8	H1	0-6	Very stony sandy loam	7.9-9.0	0.1	6	4 to 8	unsuitable	pH, CF	--
			H2	6-14	Very gravelly sandy loam	7.9-8.4						
			H3	14-21	Very gravelly sandy loam	7.9-9.0						
			H4	21-42	Very gravelly sandy loam	7.9-9.0						
			H5	42-60	Very gravelly sandy loam	7.9-9.0						
Automal	30		H1	0-8	Very stony sandy loam	7.9-9.0	0.1	6	4 to 15	unsuitable	pH, CF	--
			H2	8-49	Extremely gravelly sandy loam	7.9-9.0						
			H3	49-60	Extremely gravelly loamy coarse sand	7.9-9.0						
Automal	20		H1	0-8	Gravelly loam	7.9-9.0	0.2	5	4 to 8	poor	pH, CF	--
			H2	8-49	Extremely gravelly sandy loam	7.9-9.0						
			H3	49-60	Extremely gravelly loamy coarse sand	7.9-9.0						
Map Unit 1181 - Haunchee-Halacan-Wardbay association												
Haunchee	35	2,696.6	H1	0-4	Very gravelly loam	7.4-8.4	0.1	6	15 to 50	unsuitable	S, CF	--
			H2	4-11	Very gravelly loam	7.9-9.0						
			H3	11-21	Bedrock	--						

Component Name	Comp %	Total Acres	Horizon	Horizon Depth (inches bgs)	Texture	pH	Water Erosion[1]	Wind Erosion[2]	Slope (%)	Growth Media Potential	Growth Media Limiting Factors[3]	RSD[4] (inches)
Halacan	30		H1	0-5	Very gravelly loam	7.9-8.4	0.2	6	8 to 30	unsuitable	S, CF	--
			H2	5-12	Extremely channery loam	7.9-9.0						
			H3	12-22	Bedrock	--						
Wardbay	20		H1	0-14	Very gravelly loam	7.4-8.4	0.1	6	15 to 50	unsuitable	S, CF	--
			H2	14-55	Extremely cobbly silt loam	7.9-8.4						
			H3	55-65	Bedrock	--						
Map Unit 1213 - Blimo-Threesee association												
Blimo	60	2,479	H1	80	Sandy loam	7.9-8.4	0.24	3	0 to 2	poor to fair	pH, CF	21
			H2	8-21	Gravelly sandy loam	7.9-8.4						
			H3	21-36	Gravelly sandy loam	7.9-9.0						
			H4	36-60	Sandy loam	7.9-9.0						
Threesee	25		H1	0-3	Gravelly loam	7.9-8.4	0.24	5	0 to 4	poor to fair	pH, CF	14
			H2	3-14	Gravelly loam	7.9-8.4						
			H3	14-46	Very gravelly loamy sand	8.5-9.0						
			H4	46-60	Gravelly coarse sand	8.5-9.0						
Map Unit 1216 - Blimo-Idway-Mazuma association												
Blimo	35	1,683.2	H1	0-8	Sandy loam	7.9-8.4	0.24	3	0 to 2	poor to fair	pH, CF	21
			H2	8-21	Gravelly sandy loam	7.9-8.4						
			H3	21-36	Gravelly sandy loam	7.9-9.0						
			H4	36-60	Sandy loam	7.9-9.0						
Idway	30		H1	0-4	Sandy loam	7.9-9.0	0.24	3	0 to 2	poor	pH	--
			H2	4-12	Sandy loam	7.9-9.0						
			H3	12-27	Loam	8.5-9.6						
			H4	27-60	Gravelly sand	8.5-9.6						
Mazuma	25		H1	0-15	Silt loam	7.9-9.6	0.55	5	0 to 2	unsuitable	pH	--
			H2	15-60	Fine sandy loam	7.9-9.6						
Map Unit 1281 - Sycomat-Mazuma association												
Sycomat	60	2,210.7	H1	0-4	Silt loam	7.9-8.4	0.55	4L	0 to 2	fair	pH	4
			H2	4-15	Sandy loam	8.5-9.6						
			H3	15-44	Sandy loam	8.5-9.6						

Component Name	Comp %	Total Acres	Horizon	Horizon Depth (inches bgs)	Texture	pH	Water Erosion[1]	Wind Erosion[2]	Slope (%)	Growth Media Potential	Growth Media Limiting Factors[3]	RSD[4] (inches)
			H4	44-60	Loamy sand	8.5-9.6						
Mazuma	25		H1	0-15	Silt loam	7.9-9.6	0.55	5	0 to 2	unsuitable	pH	--
			H2	15-60	Fine sandy loam	7.9-9.6						
Map Unit 1290 - Heist-Blimo association												
Heist	45	1,153.1	H1	0-4	Fine sandy loam	7.9-9.0	0.28	3	0 to 4	poor	pH	--
			H2	4-40	Fine sandy loam	7.9-9.0						
			H3	40-60	Gravelly fine sandy loam	7.9-9.0						
Blimo	40		H1	0-8	Gravelly loam	7.9-8.4	0.2	5	0 to 4	poor to fair	pH, CF	21
			H2	8-21	Gravelly sandy loam	7.9-8.4						
			H3	21-36	Gravelly sandy loam	7.9-9.0						
			H4	36-60	Sandy loam	7.9-9.0						
Map Unit 1410 - Threesee-Tosser association												
Threesee	65	2,652.1	H1	0-3	Gravelly loam	7.9-8.4	0.24	5	2 to 8	poor to fair	CF	14
			H2	3-14	Gravelly loam	7.9-8.4						
			H3	14-16	Very gravelly loamy sand	8.5-9.0						
			H4	46-60	Gravelly coarse sand	8.5-9.0						
Tosser	20		H1	0-5	Very gravelly sandy loam	7.9-8.4	0.1	6	0 to 4	unsuitable	CF	--
			H2	5-16	Very gravelly loamy sand	8.5-9.0						
			H3	16-26	Extremely gravelly sand	8.5-9.0						
			H4	26-60	Very gravelly sand	8.5-9.0						

Source: NRCS, 2011a

[1]Water erosion hazard classes: range from 0.02 to 0.64. Higher values indicate a higher susceptibility to water erosion.

[2]Wind erosion hazard classes: 1, 2, 3, 4, 4L, 5, 6, 7, and 8. Lower values indicate a higher susceptibility to wind erosion.

[3]Limiting Factors: CF - Coarse Fragments; S - Slope; pH

[4]RSD = Recommended salvage depth

Table 3C-2 Summary of Third-Order Soil Units Along the 50-foot Power Supply Pipeline ROW

Component Name	Comp %	Total Acres	Horizon	Horizon Depth (inches bgs)	Texture	pH	Water Erosion[1]	Wind Erosion[2]	Slope (%)	Growth Media Potential	Growth Media Limiting Factors[3]	RSD[4] (inches)
Map Unit 183 - Sonoma-Sonoma, occasionally flooded association												
Sonoma	60	2.5	H1	0-8	Silt loam	7.9-9.0	0.49	4L	0 to 2	poor	pH	--
			H2	8-60	Silty clay loam	8.5						
Sonoma	25		H1	0-8	Silt loam	7.4-9.0	0.49	4L	0 to 2	poor	pH	--
			H2	8-60	Silty clay loam	8.5						
Map Unit 185 - Peeko-Chiara association												
Peeko	35	14.2	H1	0-4	Silt loam	7.9-8.4	0.49	4L	2 to 8	fair	pH	4
			H2	4-10	V. gravelly silt loam	7.9-8.4						
			H3	10-30	Cemented material	--						
Peeko	35		H1	0-4	Silt loam	7.9-8.4	0.49	4L	8 to 15	fair	S	4
			H2	4-10	V. gravelly silt loam	7.9-8.4						
			H3	10-30	Cemented material	---						
Chiara	15		H1	0-4	Silt loam	6.6-8.4	0.55	5	4 to 15	fair	S	4
			H2	4-11	Silt loam	6.6-9.0						
			H3	11-15	Cemented material	--						
Map Unit 186 - Sondoa-Ixian-Ixian, strongly saline-Sodic association												
Sondoa	50	40.4	H1	0-4	Silt loam	8.5-9.6	0.49	4L	0 to 2	unsuitable	pH	--
			H2	4-63	Silty clay loam	8.5-9.6						
Ixian	25		H1	0-12	Silt loam	8.5-9.0	0.55	4L	0 to 2	poor	pH	--
			H2	12-42	Silty clay loam	8.5-9.0						
			H3	42-63	Silty clay loam	8.5-9.0						
Ixian	15		H1	0-12	Silty clay loam	8.5-9.0	0.43	4L	0 to 2	poor	pH	--
			H2	12-42	Silty clay loam	8.5-9.0						
			H3	42-63	Silty clay loam	8.5-9.0						
Map Unit 260 - Dewar-Chiara-Hunnton association												
Dewar	40	23.7	H1	0-3	Gravelly silt loam	6.6-8.4	0.24	7	2 to 8	poor to fair	pH, CF	19
			H2	3-13	Gravelly silty clay loam	6.6-8.4						
			H3	13-19	Gravelly silt loam	7.9-8.4						
			H4	19-40	Cemented material	--						

Component Name	Comp %	Total Acres	Horizon	Horizon Depth (inches bgs)	Texture	pH	Water Erosion[1]	Wind Erosion[2]	Slope (%)	Growth Media Potential	Growth Media Limiting Factors[3]	RSD[4] (inches)
Chiara	30		H1	0-4	Silt loam	6.6-8.4	0.55	5	2 to 8	fair	pH	4
			H2	4-11	Silt loam	6.6-9.0						
			H3	11-15	Cemented material	--						
Hunnton	15		H1	0-8	Silt loam	7.4-8.4	0.49	5	2 to 8	fair	pH	12
			H2	8-12	Clay loam	7.9-8.4						
			H3	12-21	Gravelly clay	7.4-8.4						
			H4	21-40	Cemented material	--						
Map Unit 331 - Kzin-Cobre-Jackpot association												
Kzin	45		H1	0-3	V. gravelly loam	7.9-9.0	0.1	6	15 to 50	unsuitable	S, pH, CF	--
			H2	3-9	V. gravelly loam	7.9-9.0						
			H3	9-60	Bedrock	--						
Cobre	25	3.1	H1	0-7	Silt loam	7.4-8.4	0.43	6	4 to 15	fair	S	34
			H2	7-15	Loam	7.4-8.4						
			H3	15-34	Fine sandy loam	7.4-8.4						
			H4	34-60	Bedrock	--						
Jackpot	15		H1	0-4	Sandy loam	6.6-7.8	0.37	3	4 to 15	fair	S	11
			H2	4-11	Sandy loam	6.6-7.8						
			H3	11-60	Bedrock	--						
Map Unit 370 - Toano-Tulase association												
Toano	55		H1	0-9	Silt loam	7.9-9.0	0.55	4L	0 to 2	poor	pH	--
		2.5	H2	9-27	Silt loam	7.9-9.0						
			H3	27-60	Silt loam	7.9-9.0						
Tulase	30		H1	0-2	V. fine sandy loam	7.9-8.4	0.43	3	0 to 2	fair	pH	2
			H2	2-60	V. fine sandy loam	7.9-9.0						
Map Unit 380 - Cobre-Izar-Jackpot association												
Cobre	40		H1	0-7	Silt loam	7.4-8.4	0.43	6	4 to 15	fair	S	34
		19.4	H2	7-15	Loam	7.4-8.4						
			H3	15-34	Fine sandy loam	7.4-8.4						
			H4	34-60	Bedrock	--						
Izar	30		H1	0-5	V. gravelly loam	7.4-8.4	0.2	6	4 to 15	unsuitable	S, CF	--

Component Name	Comp %	Total Acres	Horizon	Horizon Depth (inches bgs)	Texture	pH	Water Erosion[1]	Wind Erosion[2]	Slope (%)	Growth Media Potential	Growth Media Limiting Factors[3]	RSD[4] (inches)
			H2	5-11	V. gravelly loam	7.4-8.4						
			H3	11-21	Bedrock	--						
Jackpot	15		H1	0-4	Sandy loam	6.6-7.8	0.37	3	4 to 15	fair	S	11
			H2	4-11	Sandy loam	6.6-7.8						
			H3	11-60	Bedrock	--						
Map Unit 585 - Valmy-Luap association												
Valmy	55	6.1	H1	0-3	Loam	8.5-9.0	0.49	5	2 to 4	unsuitable	pH	11
			H2	3-43	Fine sandy loam	8.5-9.6						
			H3	43-66	V. gravelly sandy	8.5-9.6						
Luap	35		H1	0-12	V. gravelly loam	7.9-9.0	0.17	6	2 to 4	poor	pH, CF	--
			H2	12-37	V. gravelly fine sandy loam	7.9-9.0						
			H3	37-44	Cemented material	--						
			H4	44-60	V. gravelly loamy sand	7.9-9.0						
Map Unit 852 - Palinor-Pyrat-Shabliss association												
Palinor	40	10.4	H1	0-8	V. gravelly loam	7.9-9.0	0.17	6	4 to 15	unsuitable	S, pH, CF	--
			H2	8-16	Ext. gravelly loam	7.9-9.0						
			H3	16-34	Cemented material	--						
			H4	34-60	V. gravelly loamy sand	7.9-9.0						
Pyrat	30		H1	0-6	Gravelly sandy loam	7.9-8.4	0.1	5	2 to 8	unsuitable	CF	--
			H2	6-14	V. gravelly sandy loam	7.9-8.4						
			H3	14-21	V. gravelly sandy loam	7.9-9.0						
			H4	21-42	V. gravelly sandy loam	7.9-9.0						
			H5	42-60	V. gravelly sandy loam	7.9-9.0						
Shabliss	15		H1	0-2	Gravelly fine sandy loam	7.9-8.4	0.2	5	2 to 8	unsuitable	CF	--
			H2	2-15	V. fine sandy loam	6.6-9.0						
			H3	15-31	Cemented material	--						
			H4	31-60	V. gravelly loamy sand	7.9-9.6						
Map Unit 994 - Izar-Holborn-Kzin association												
Holborn	20	10.0	H1	0-3	Gravelly loam	7.9-9.0	0.2	5	8 to 30	poor	S, pH	--

Component Name	Comp %	Total Acres	Horizon	Horizon Depth (inches bgs)	Texture	pH	Water Erosion[1]	Wind Erosion[2]	Slope (%)	Growth Media Potential	Growth Media Limiting Factors[3]	RSD[4] (inches)
			H2	3-7	Gravelly loam	7.4-8.4						
			H3	7-60	Bedrock	--						
Kzin	15		H1	0-3	V. gravelly loam	7.9-9.0	0.1	6	8 to 50	poor	S, pH, CF	--
			H2	3-8	V. gravelly loam	7.9-9.0						
			H3	8-60	Bedrock	--						
Map Unit 1043 - Gravier-Luap association												
Gravier	55	33.3	H1	0-4	Gravelly loam	7.9-9.0	0.24	5	2 to 8	unsuitable	pH, CF	--
			H2	4-50	V. gravelly sandy loam	7.9-9.0						
			H3	50-60	V. gravelly loamy sand	7.9-9.0						
Luap	30		H1	0-3	V. gravelly fine sandy loam	7.9-9.0	0.1	6	2 to 4	unsuitable	pH, CF	--
			H2	3-23	V. gravelly very fine sandy loam	7.9-9.0						
			H3	23-37	Ext. gravelly coarse sand	7.9-9.0						
			H4	37-44	Cemented material	--						
			H5	44-61	Ext. gravelly coarse sand	7.9-9.0						
Map Unit 1051 - Pibler, bedrock substratum-Pibler association												
Pibler	50	1.9	H1	0-4	V. gravelly loam	7.9-9.0	0.15	6	4 to 15	unsuitable	S, pH, CF	--
			H2	4-8	V. gravelly loam	7.9-9.0						
			H3	8-16	V. cobbly loam	7.9-9.0						
			H4	16-22	Cemented material	--						
			H5	22-60	Bedrock	--						
Pibler	35		H1	0-4	V. gravelly fine sandy loam	7.9-9.0	0.1	6	2 to 8	unsuitable	pH, CF	--
			H2	4-8	V. gravelly loam	7.9-9.0						
			H3	8-16	V. cobbly loam	7.9-9.0						
			H4	16-22	Cemented material	--						
			H5	22-60	Ext. gravelly sandy loam	7.9-9.0						
Map Unit 1054 - Pibler-Wiffo association												
Pibler	50	10.7	H1	0-4	V. gravelly fine sandy loam	7.9-9.0	0.1	6	2 to 15	unsuitable	S, pH, CF	--
			H2	4-8	V. gravelly loam	7.9-9.0						

Component Name	Comp %	Total Acres	Horizon	Horizon Depth (inches bgs)	Texture	pH	Water Erosion[1]	Wind Erosion[2]	Slope (%)	Growth Media Potential	Growth Media Limiting Factors[3]	RSD[4] (inches)
			H3	8-16	V. cobbly loam	7.9-9.0						
			H4	16-22	Cemented material	--						
			H5	22-60	extremely gravelly sandy loam	7.9-9.0						
Wiffo	40		H1	0-8	V. gravelly loam	7.9-9.0	0.15	6	2 to 8	unsuitable	pH, CF	
			H2	8-27	Ext. gravelly sandy loam	7.9-9.0						
			H3	27-60	V. gravelly sandy loam	7.9-9.0						
Map Unit 1070 - Loray-Luap-Toano association												
Loray	35	12	H1	0-12	Gravelly loam	7.9-9.0	0.2	5	2 to 4	poor	pH, CF	--
			H2	12-61	Ext. gravelly loamy fine sand	7.9-9.0						
Luap	30		H1	0-3	V. gravelly fine sandy loam	7.9-9.0	0.1	6	2 to 4	unsuitable	pH, CF	--
			H2	3-23	V. gravelly very fine sandy loam	7.9-9.0						
			H3	23-37	Ext. gravelly coarse sand	7.9-9.0						
			H4	37-44	Cemented material	7.9-9.0						
			H5	44-61	Ext. gravelly coarse sand	7.9-9.0						
Toano	20		H1	0-8	Silt loam	7.9-8.4	0.55	4L	2 to 4	fair	pH	8
			H2	8-31	Silt loam	7.9-9.0						
			H3	31-46	V. fine sandy loam	7.9-9.0						
			H4	46-61	Ext. gravelly sandy loam	7.9-9.0						
Map Unit 1072 - Loray, loamy fine sand-Loray-Hardhat association												
Loray	45	11	H1	0-12	Loamy fine sand	7.9-9.0	0.32	2	2 to 4	poor	pH	--
			H2	12-61	Ext. gravelly loamy fine sand	7.9-9.0						
Loray	25		H1	0-12	Gravelly loam	7.9-9.0	0.2	2	2 to 4	poor	pH	--
			H2	12-61	Ext. gravelly loamy fine sand	7.9-9.0						
Hardhat	20		H1	0-5	Silt loam	7.9-9.0	0.55	4L	2 to 4	poor	pH	--
			H2	5-17	Silt loam	7.9-9.0						
			H3	17-32	Gravelly sandy loam	7.9-9.0						
			H4	32-60	Gravelly sandy loam	7.9-9.0						

Component Name	Comp %	Total Acres	Horizon	Horizon Depth (inches bgs)	Texture	pH	Water Erosion[1]	Wind Erosion[2]	Slope (%)	Growth Media Potential	Growth Media Limiting Factors[3]	RSD[4] (inches)
Map Unit 1172 - Pyrat-Automal, very stony-Automal association												
Pyrat	35	17	H1	0-6	V. stony sandy loam	7.9-9.0	0.1	6	4 to 8	unsuitable	pH, CF	--
			H2	6-14	V. gravelly sandy loam	7.9-8.4						
			H3	14-21	V. gravelly sandy loam	7.9-9.0						
			H4	21-42	V. gravelly sandy loam	7.9-9.0						
			H5	42-60	V. gravelly sandy loam	7.9-9.0						
Automal	30		H1	0-8	V. stony sandy loam	7.9-9.0	0.1	6	4 to 15	unsuitable	S, pH, CF	--
			H2	8-49	Ext. gravelly sandy loam	7.9-9.0						
			H3	49-60	Ext. gravelly loamy coarse sand	7.9-9.0						
Automal	20		H1	0-8	Gravelly loam	7.9-9.0	0.2	5	4 to 8	poor	pH, CF	--
			H2	8-49	Ext. gravelly sandy loam	7.9-9.0						
			H3	49-60	Ext. gravelly loamy coarse sand	7.9-9.0						
Map Unit 1213 - Blimo-Threesee association												
Blimo	60	1	H1	0-8	Sandy loam	7.9-8.4	0.24	3	0 to 2	fair	pH	8
			H2	8-21	Gravelly sandy loam	7.9-8.4						
			H3	21-36	Gravelly sandy loam	7.9-9.0						
			H4	36-60	Sandy loam	7.9-9.0						
Threesee	25		H1	0-3	Gravelly loam	7.9-8.4	0.24	5	0 to 4	poor to fair	CF	14
			H2	3-14	Gravelly loam	7.9-8.4						
			H3	14-46	V. gravelly loamy sand	8.5-9.0						
			H4	46-60	Gravelly coarse sand	8.5-9.0						
Map Unit 2040 - Sodhouse-Loray association												
Sodhouse	70	4.9	H1	0-7	Gravelly silt loam	7.9-8.4	0.37	6	2 to 8	poor to fair	CF	14
			H2	7-14	Gravelly loam	7.9-8.4						
			H3	14-38	Cemented material	--						
			H4	38-61	V. gravelly fine sandy loam	7.9-9.0						
Loray	15		H1	0-12	Gravelly loam	7.9-9.0	0.2	5	8 to 15	poor	S, pH, CF	--
			H2	12-61	Ext. gravelly loamy fine sand	7.9-9.0						

Component Name	Comp %	Total Acres	Horizon	Horizon Depth (inches bgs)	Texture	pH	Water Erosion[1]	Wind Erosion[2]	Slope (%)	Growth Media Potential	Growth Media Limiting Factors[3]	RSD[4] (inches)
Map Unit 2042 - Sodhouse-Pibler association												
Sodhouse	60	17.8	H1	0-7	Gravelly silt loam	7.9-8.4	0.37	6	2 to 8	poor to fair	CF	14
			H2	7-14	Gravelly loam	7.9-8.4						
			H3	14-38	Cemented material	--						
			H4	38-61	V. gravelly fine sandy loam	7.9-9.0						
Pibler	30		H1	0-4	V. gravelly fine sandy loam	7.9-9.0	0.1	6	2 to 8	unsuitable	pH, CF	--
			H2	4-8	V. gravelly loam	7.9-9.0						
			H3	8-16	V. cobbly loam	7.9-9.0						
			H4	16-22	Cemented material	--						
			H5	22-60	Ext. gravelly sandy loam	7.9-9.0						
Map Unit 2080 - Toano-Toano, occasionally flooded association												
Toano	70	2.7	H1	0-5	Silt loam	7.9-9.0	0.55	4L	2 to 4	poor	pH	--
			H2	5-31	Silt loam	7.9-9.0						
			H3	31-60	V. fine sandy loam	7.9-9.0						
Toano	20		H1	0-8	Silt loam	7.9-8.4	0.55	4L	2 to 4	fair	pH	8
			H2	8-31	Silt loam	7.9-9.0						
			H3	31-46	V. fine sandy loam	7.9-9.0						
			H4	46-61	Ext. gravelly sandy loam	7.9-9.0						
Map Unit 2081 - Toano-Tulase association												
Toano	55	5.6	H1	0-5	Silt loam	7.9-9.0	0.55	4L	0 to 2	poor	pH	--
			H2	5-31	Silt loam	7.9-9.0						
			H3	31-60	V. fine sandy loam	7.9-9.0						
Tulase	35		H1	0-6	V. fine sandy loam	7.9-8.4	0.49	3	0 to 2	good	--	6
			H2	6-47	V. fine sandy loam	7.9-9.0						
			H3	47-60	V. gravelly clay loam	7.9-9.0						
Map Unit 3020 - Amtoft-Tecomar-Kzin association												
Amtoft	40	6.4	H1	0-3	Ext. gravelly loam	7.9-9.0	0.05	8	15 to 50	unsuitable	S, pH, CF	--
			H2	3-12	Ext. cobbly loam	7.9-9.0						
			H3	12-22	Bedrock	--						

Component Name	Comp %	Total Acres	Horizon	Horizon Depth (inches bgs)	Texture	pH	Water Erosion[1]	Wind Erosion[2]	Slope (%)	Growth Media Potential	Growth Media Limiting Factors[3]	RSD[4] (inches)
Tecomar	35		H1	0-7	Ext. stony silt loam	7.9-9.0	0.1	8	15 to 50	unsuitable	S, pH, CF	--
			H2	7-19	Ext. cobbly silt loam	7.9-9.0						
			H3	19-29	Bedrock	--						
Kzin	15		H1	0-3	V. gravelly loam	7.9-9.0	0.1	6	15 to 50	unsuitable	S, pH, CF	--
			H2	3-8	V. gravelly loam	7.9-9.0						
			H3	8-60	Bedrock	--						
Map Unit 183 - Sonoma-Sonoma, occasionally flooded association												
Sonoma	60	2.5	H1	0-8	Silt loam	7.9-9.0	0.49	4L	0 to 2	poor	pH	--
			H2	8-60	Silty clay loam	8.5						
Sonoma	25		H1	0-8	Silt loam	7.4-9.0	0.49	4L	0 to 2	poor	pH	--
			H2	8-60	Silty clay loam	8.5						
Map Unit 185 - Peeko-Chiara association												
Peeko	35	14.2	H1	0-4	Silt loam	7.9-8.4	0.49	4L	2 to 8	fair	pH	4
			H2	4-10	Very gravelly silt loam	7.9-8.4						
			H3	10-30	Cemented material	--						
Peeko	35		H1	0-4	Silt loam	7.9-8.4	0.49	4L	8 to 15	fair	S	4
			H2	4-10	Very gravelly silt loam	7.9-8.4						
			H3	10-30	Cemented material	---						
Chiara	15		H1	0-4	Silt loam	6.6-8.4	0.55	5	4 to 15	fair	S	4
			H2	4-11	Silt loam	6.6-9.0						
			H3	11-15	Cemented material	--						
Map Unit 186 - Sondoa-Ixian-Ixian, strongly saline-Sodic association												
Sondoa	50	40.4	H1	0-4	Silt loam	8.5-9.6	0.49	4L	0 to 2	unsuitable	pH	--
			H2	4-63	Silty clay loam	8.5-9.6						
Ixian	25		H1	0-12	Silt loam	8.5-9.0	0.55	4L	0 to 2	poor	pH	--
			H2	12-42	Silty clay loam	8.5-9.0						
			H3	42-63	Silty clay loam	8.5-9.0						
Ixian	15		H1	0-12	Silty clay loam	8.5-9.0	0.43	4L	0 to 2	poor	pH	--
			H2	12-42	Silty clay loam	8.5-9.0						
			H3	42-63	Silty clay loam	8.5-9.0						
Map Unit 260 - Dewar-Chiara-Hunnton association												

Component Name	Comp %	Total Acres	Horizon	Horizon Depth (inches bgs)	Texture	pH	Water Erosion[1]	Wind Erosion[2]	Slope (%)	Growth Media Potential	Growth Media Limiting Factors[3]	RSD[4] (inches)
Dewar	40	23.7	H1	0-3	Gravelly silt loam	6.6-8.4	0.24	7	2 to 8	poor to fair	pH, CF	19
			H2	3-13	Gravelly silty clay loam	6.6-8.4						
			H3	13-19	Gravelly silt loam	7.9-8.4						
			H4	19-40	Cemented material	--						
Chiara	30		H1	0-4	Silt loam	6.6-8.4	0.55	5	2 to 8	fair	pH	4
			H2	4-11	Silt loam	6.6-9.0						
			H3	11-15	Cemented material	--						
Hunnton	15		H1	0-8	Silt loam	7.4-8.4	0.49	5	2 to 8	fair	pH	12
			H2	8-12	Clay loam	7.9-8.4						
			H3	12-21	Gravelly clay	7.4-8.4						
			H4	21-40	Cemented material	--						
Map Unit 331 - Kzin-Cobre-Jackpot association												
Kzin	45	3.1	H1	0-3	Very gravelly loam	7.9-9.0	0.1	6	15 to 50	unsuitable	S, pH, CF	--
			H2	3-9	Very gravelly loam	7.9-9.0						
			H3	9-60	Bedrock	--						
Cobre	25		H1	0-7	Silt loam	7.4-8.4	0.43	6	4 to 15	fair	S	34
			H2	7-15	Loam	7.4-8.4						
			H3	15-34	Fine sandy loam	7.4-8.4						
			H4	34-60	Bedrock	--						
Jackpot	15		H1	0-4	Sandy loam	6.6-7.8	0.37	3	4 to 15	fair	S	11
			H2	4-11	Sandy loam	6.6-7.8						
			H3	11-60	Bedrock	--						
Map Unit 370 - Toano-Tulase association												
Toano	55	2.5	H1	0-9	Silt loam	7.9-9.0	0.55	4L	0 to 2	poor	pH	--
			H2	9-27	Silt loam	7.9-9.0						
			H3	27-60	Silt loam	7.9-9.0						
Tulase	30		H1	0-2	Very fine sandy loam	7.9-8.4	0.43	3	0 to 2	fair	pH	2
			H2	2-60	Very fine sandy loam	7.9-9.0						
Map Unit 380 - Cobre-Izar-Jackpot association												
Cobre	40	19.4	H1	0-7	Silt loam	7.4-8.4	0.43	6	4 to 15	fair	S	34
			H2	7-15	Loam	7.4-8.4						

Component Name	Comp %	Total Acres	Horizon	Horizon Depth (inches bgs)	Texture	pH	Water Erosion[1]	Wind Erosion[2]	Slope (%)	Growth Media Potential	Growth Media Limiting Factors[3]	RSD[4] (inches)
			H3	15-34	Fine sandy loam	7.4-8.4						
			H4	34-60	Bedrock	--						
Izar	30		H1	0-5	Very gravelly loam	7.4-8.4	0.2	6	4 to 15	unsuitable	S, CF	--
			H2	5-11	Very gravelly loam	7.4-8.4						
			H3	11-21	Bedrock	--						
Jackpot	15		H1	0-4	Sandy loam	6.6-7.8	0.37	3	4 to 15	fair	S	11
			H2	4-11	Sandy loam	6.6-7.8						
			H3	11-60	Bedrock	--						
Map Unit 585 - Valmy-Luap association												
Valmy	55	6.1	H1	0-3	Loam	8.5-9.0	0.49	5	2 to 4	unsuitable	pH	11
			H2	3-43	Fine sandy loam	8.5-9.6						
			H3	43-66	Very gravelly sandy	8.5-9.6						
Luap	35		H1	0-12	Very gravelly loam	7.9-9.0	0.17	6	2 to 4	poor	pH, CF	--
			H2	12-37	Very gravelly fine sandy loam	7.9-9.0						
			H3	37-44	Cemented material	--						
			H4	44-60	Very gravelly loamy sand	7.9-9.0						
Map Unit 852 - Palinor-Pyrat-Shabliss association												
Palinor	40	10.4	H1	0-8	Very gravelly loam	7.9-9.0	0.17	6	4 to 15	unsuitable	S, pH, CF	--
			H2	8-16	Extremely gravelly loam	7.9-9.0						
			H3	16-34	Cemented material	--						
			H4	34-60	Very gravelly loamy sand	7.9-9.0						
Pyrat	30		H1	0-6	Gravelly sandy loam	7.9-8.4	0.1	5	2 to 8	unsuitable	CF	--
			H2	6-14	Very gravelly sandy loam	7.9-8.4						
			H3	14-21	Very gravelly sandy loam	7.9-9.0						
			H4	21-42	Very gravelly sandy loam	7.9-9.0						
			H5	42-60	Very gravelly sandy loam	7.9-9.0						
Shabliss	15		H1	0-2	Gravelly fine sandy loam	7.9-8.4	0.2	5	2 to 8	unsuitable	CF	--
			H2	2-15	Very fine sandy loam	6.6-9.0						

Component Name	Comp %	Total Acres	Horizon	Horizon Depth (inches bgs)	Texture	pH	Water Erosion[1]	Wind Erosion[2]	Slope (%)	Growth Media Potential	Growth Media Limiting Factors[3]	RSD[4] (inches)
			H3	15-31	Cemented material	--						
			H4	31-60	Very gravelly loamy sand	7.9-9.6						
Map Unit 994 - Izar-Holborn-Kzin association												
Holborn	20	10.0	H1	0-3	Gravelly loam	7.9-9.0	0.2	5	8 to 30	poor	S, pH	--
			H2	3-7	Gravelly loam	7.4-8.4						
			H3	7-60	Bedrock	--						
Kzin	15		H1	0-3	Very gravelly loam	7.9-9.0	0.1	6	8 to 50	poor	S, pH, CF	--
			H2	3-8	Very gravelly loam	7.9-9.0						
			H3	8-60	Bedrock	--						
Map Unit 1043 - Gravier-Luap association												
Gravier	55	33.3	H1	0-4	Gravelly loam	7.9-9.0	0.24	5	2 to 8	unsuitable	pH, CF	--
			H2	4-50	Very gravelly sandy loam	7.9-9.0						
			H3	50-60	Very gravelly loamy sand	7.9-9.0						
Luap	30		H1	0-3	Very gravelly fine sandy loam	7.9-9.0	0.1	6	2 to 4	unsuitable	pH, CF	--
			H2	3-23	Very gravelly very fine sandy loam	7.9-9.0						
			H3	23-37	Extremely gravelly coarse sand	7.9-9.0						
			H4	37-44	Cemented material	--						
			H5	44-61	Extremely gravelly coarse sand	7.9-9.0						
Map Unit 1051 - Pibler, bedrock substratum-Pibler association												
Pibler	50	1.9	H1	0-4	Very gravelly loam	7.9-9.0	0.15	6	4 to 15	unsuitable	S, pH, CF	--
			H2	4-8	Very gravelly loam	7.9-9.0						
			H3	8-16	Very cobbly loam	7.9-9.0						
			H4	16-22	Cemented material	--						
			H5	22-60	Bedrock	--						
Pibler	35		H1	0-4	Very gravelly fine sandy loam	7.9-9.0	0.1	6	2 to 8	unsuitable	pH, CF	--
			H2	4-8	Very gravelly loam	7.9-9.0						
			H3	8-16	Very cobbly loam	7.9-9.0						
			H4	16-22	Cemented material	--						

Component Name	Comp %	Total Acres	Horizon	Horizon Depth (inches bgs)	Texture	pH	Water Erosion[1]	Wind Erosion[2]	Slope (%)	Growth Media Potential	Growth Media Limiting Factors[3]	RSD[4] (inches)
			H5	22-60	Extremely gravelly sandy loam	7.9-9.0						
Map Unit 1054 - Pibler-Wiffo association												
Pibler	50	10.7	H1	0-4	Very gravelly fine sandy loam	7.9-9.0	0.1	6	2 to 15	unsuitable	S, pH, CF	--
			H2	4-8	Very gravelly loam	7.9-9.0						
			H3	8-16	Very cobbly loam	7.9-9.0						
			H4	16-22	Cemented material	--						
			H5	22-60	extremely gravelly sandy loam	7.9-9.0						
Wiffo	40		H1	0-8	Very gravelly loam	7.9-9.0	0.15	6	2 to 8	unsuitable	pH, CF	
			H2	8-27	Extremely gravelly sandy loam	7.9-9.0						
			H3	27-60	Very gravelly sandy loam	7.9-9.0						
Map Unit 1070 - Loray-Luap-Toano association												
Loray	35	12	H1	0-12	Gravelly loam	7.9-9.0	0.2	5	2 to 4	poor	pH, CF	--
			H2	12-61	Extremely gravelly loamy fine sand	7.9-9.0						
Luap	30		H1	0-3	Very gravelly fine sandy loam	7.9-9.0	0.1	6	2 to 4	unsuitable	pH, CF	--
			H2	3-23	Very gravelly very fine sandy loam	7.9-9.0						
			H3	23-37	Extremely gravelly coarse sand	7.9-9.0						
			H4	37-44	Cemented material	7.9-9.0						
			H5	44-61	Extremely gravelly coarse sand	7.9-9.0						
Toano	20		H1	0-8	Silt loam	7.9-8.4	0.55	4L	2 to 4	fair	pH	8
			H2	8-31	Silt loam	7.9-9.0						
			H3	31-46	Very fine sandy loam	7.9-9.0						
			H4	46-61	Extremely gravelly sandy loam	7.9-9.0						

Component Name	Comp %	Total Acres	Horizon	Horizon Depth (inches bgs)	Texture	pH	Water Erosion[1]	Wind Erosion[2]	Slope (%)	Growth Media Potential	Growth Media Limiting Factors[3]	RSD[4] (inches)
Map Unit 1072 - Loray, loamy fine sand-Loray-Hardhat association												
Loray	45	11	H1	0-12	Loamy fine sand	7.9-9.0	0.32	2	2 to 4	poor	pH	--
			H2	12-61	Extremely gravelly loamy fine sand	7.9-9.0						
Loray	25		H1	0-12	Gravelly loam	7.9-9.0	0.2	2	2 to 4	poor	pH	--
			H2	12-61	Extremely gravelly loamy fine sand	7.9-9.0						
Hardhat	20		H1	0-5	Silt loam	7.9-9.0	0.55	4L	2 to 4	poor	pH	--
			H2	5-17	Silt loam	7.9-9.0						
			H3	17-32	Gravelly sandy loam	7.9-9.0						
			H4	32-60	Gravelly sandy loam	7.9-9.0						
Map Unit 1172 - Pyrat-Automal, very stony-Automal association												
Pyrat	35	17	H1	0-6	Very stony sandy loam	7.9-9.0	0.1	6	4 to 8	unsuitable	pH, CF	--
			H2	6-14	Very gravelly sandy loam	7.9-8.4						
			H3	14-21	Very gravelly sandy loam	7.9-9.0						
			H4	21-42	Very gravelly sandy loam	7.9-9.0						
			H5	42-60	Very gravelly sandy loam	7.9-9.0						
Automal	30		H1	0-8	Very stony sandy loam	7.9-9.0	0.1	6	4 to 15	unsuitable	S, pH, CF	--
			H2	8-49	Extremely gravelly sandy loam	7.9-9.0						
			H3	49-60	Extremely gravelly loamy coarse sand	7.9-9.0						
Automal	20		H1	0-8	Gravelly loam	7.9-9.0	0.2	5	4 to 8	poor	pH, CF	--
			H2	8-49	Extremely gravelly sandy loam	7.9-9.0						
			H3	49-60	Extremely gravelly loamy coarse sand	7.9-9.0						
Map Unit 1213 - Blimo-threesee association												
Blimo	60	1	H1	0-8	Sandy loam	7.9-8.4	0.24	3	0 to 2	fair	pH	8
			H2	8-21	Gravelly sandy loam	7.9-8.4						
			H3	21-36	Gravelly sandy loam	7.9-9.0						
			H4	36-60	Sandy loam	7.9-9.0						
Threesee	25		H1	0-3	Gravelly loam	7.9-8.4	0.24	5	0 to 4	poor to fair	CF	14

Component Name	Comp %	Total Acres	Horizon	Horizon Depth (inches bgs)	Texture	pH	Water Erosion[1]	Wind Erosion[2]	Slope (%)	Growth Media Potential	Growth Media Limiting Factors[3]	RSD[4] (inches)
			H2	3-14	Gravelly loam	7.9-8.4						
			H3	14-46	Very gravelly loamy sand	8.5-9.0						
			H4	46-60	Gravelly coarse sand	8.5-9.0						
Map Unit 2040 - Sodhouse-Loray association												
Sodhouse	70	4.9	H1	0-7	Gravelly silt loam	7.9-8.4	0.37	6	2 to 8	poor to fair	CF	14
			H2	7-14	Gravelly loam	7.9-8.4						
			H3	14-38	Cemented material	--						
			H4	38-61	Very gravelly fine sandy loam	7.9-9.0						
Loray	15		H1	0-12	Gravelly loam	7.9-9.0	0.2	5	8 to 15	poor	S, pH, CF	--
			H2	12-61	Extremely gravelly loamy fine sand	7.9-9.0						
Map Unit 2042 - Sodhouse-Pibler association												
Sodhouse	60	17.8	H1	0-7	Gravelly silt loam	7.9-8.4	0.37	6	2 to 8	poor to fair	CF	14
			H2	7-14	Gravelly loam	7.9-8.4						
			H3	14-38	Cemented material	--						
			H4	38-61	Very gravelly fine sandy loam	7.9-9.0						
Pibler	30		H1	0-4	Very gravelly fine sandy loam	7.9-9.0	0.1	6	2 to 8	unsuitable	pH, CF	--
			H2	4-8	Very gravelly loam	7.9-9.0						
			H3	8-16	Very cobbly loam	7.9-9.0						
			H4	16-22	Cemented material	--						
			H5	22-60	Extremely gravelly sandy loam	7.9-9.0						
Map Unit 2080 - Toano-Toano, occasionally flooded association												
Toano	70	2.7	H1	0-5	Silt loam	7.9-9.0	0.55	4L	2 to 4	poor	pH	--
			H2	5-31	Silt loam	7.9-9.0						
			H3	31-60	Very fine sandy loam	7.9-9.0						
Toano	20		H1	0-8	Silt loam	7.9-8.4	0.55	4L	2 to 4	fair	pH	8
			H2	8-31	Silt loam	7.9-9.0						
			H3	31-46	Very fine sandy loam	7.9-9.0						
			H4	46-61	Extremely gravelly sandy	7.9-9.0						

Component Name	Comp %	Total Acres	Horizon	Horizon Depth (inches bgs)	Texture	pH	Water Erosion[1]	Wind Erosion[2]	Slope (%)	Growth Media Potential	Growth Media Limiting Factors[3]	RSD[4] (inches)
					loam							
Map Unit 2081 - Toano-Tulase association												
Toano	55	5.6	H1	0-5	Silt loam	7.9-9.0	0.55	4L	0 to 2	poor	pH	--
			H2	5-31	Silt loam	7.9-9.0						
			H3	31-60	Very fine sandy loam	7.9-9.0						
Tulase	35		H1	0-6	Very fine sandy loam	7.9-8.4	0.49	3	0 to 2	good	--	6
			H2	6-47	Very fine sandy loam	7.9-9.0						
			H3	47-60	Very gravelly clay loam	7.9-9.0						
Map Unit 3020 - Amtoft-Tecomar-Kzin association												
Amtoft	40	6.4	H1	0-3	Extremely gravelly loam	7.9-9.0	0.05	8	15 to 50	unsuitable	S, pH, CF	--
			H2	3-12	Extremely cobbly loam	7.9-9.0						
			H3	12-22	Bedrock	--						
Tecomar	35		H1	0-7	Extremely stony silt loam	7.9-9.0	0.1	8	15 to 50	unsuitable	S, pH, CF	--
			H2	7-19	Extremely cobbly silt loam	7.9-9.0						
			H3	19-29	Bedrock	--						
Kzin	15		H1	0-3	Very gravelly loam	7.9-9.0	0.1	6	15 to 50	unsuitable	S, pH, CF	--
			H2	3-8	Very gravelly loam	7.9-9.0						
			H3	8-60	Bedrock	--						

Source: NRCS, 2011a

[1]Water erosion hazard classes: range from 0.02 to 0.64. Higher values indicate a higher susceptibility to water erosion.

[2]Wind erosion hazard classes: 1, 2, 3, 4, 4L, 5, 6, 7, and 8. Lower values indicate a higher susceptibility to wind erosion

[3]Limiting Factors: CF - Coarse Fragments; S - Slope; pH.

[4]RSD: Recommended salvage depth