Sections of Land Requiring
Special Assignment as Runoff or Leaching
Ground Water Protection Areas

This document lists sections or portions of sections of land that required special evaluation to determine the appropriate mitigation as a Ground Water Protection Area (GWPA). A GWPA is defined as an area of land that is vulnerable to the movement of pesticides to ground water according to either leaching or runoff processes.

EH 00-07

Modified Ground Water Protection Areas

This document lists sections or portions of sections of land that required special evaluation to determine the appropriate mitigation as a Ground Water Protection Area (GWPA). A GWPA is defined as an area of land that is vulnerable to the movement of pesticides to ground water according to either leaching or runoff processes.

Soil data was obtained from the Soil Survey Geographic (SSURGO) database (http://www.ftw.nrcs.usda.gov/ssur_data.html) administered by the US Department of Agriculture, Natural Resources Conservation Service, National Soil Survey Center.

A total of 281 sections were reviewed to determine the appropriate method of mitigation (Table 1). The sections fall into the following type of categories.

Description of Category

1. Sections of land that have both runoff and leaching characteristics. Soil Map Unit Interpretations Records (MUIDS) were identified in the section to determine if the soil had the presence of a pan layer (Appendix 1) or was coarse-textured (Appendix 2). Some of the soil MUIDS were determined to have a pan layer and also were coarse textured. In these situations, the soil was considered vulnerable to leaching if the mean pan depth for the soil muid was greater than 48 inches and vulnerable to runoff if the mean pan depth was less than 48 inches (Appendix 2). A map overlay was produce to graphically represent these soil characteristics. An overlay of the "transition" section was observed at the quarter-section level to determine which mitigation process was appropriate.

2. Sections of land identified as Pesticide Management Zones (PMZs) that were classified by the CALVUL model into a fine-textured cluster. These sections were assigned a runoff mitigation requirement because they contained fine-textured soils with permeability less than 2.0 inches per hour.

3. Sections of land identified as PMZs that were not classified by the CALVUL model into a runoff or leaching or fine-textured cluster. Soil

MUIDS were identified in the section to determine the presence of a pan layer (Appendix 1) or coarse-textured soil property (Appendix 2). In the absence of these defining conditions, permeability was determined for the soil MUIDS in the section (Appendix 3). MUIDS with a rate of infiltration of 2.0 inches or more per hour were considered vulnerable to a leaching condition whereas those with rates below 2.0 inches per hour were considered vulnerable to runoff. A map overlay was produced to graphically represent these conditions and was evaluated to determine which mitigation process was appropriate.

4. Sections of land identified as PMZs but were not captured by the CALVUL model as a runoff or leaching section due to lack of soil survey data. Field notes were observed for the wells sampled in the study to determine the surface soil layer. Sand, sandy loam, or loamy sand soils were given a leaching condition and all other soils were considered vulnerable to runoff.

Table 1. List of Modified Ground Water Protection Area Sections

CO	COMTRS	Quarter Sec	Category	Determination	Notes	AVGOFDGW	STATUS	AVGOFPRECI
4	04M21N01E01		2	Runoff	Fine textured soils - model output	51	PMZ	22.5
6	06M13N01W06		2	Runoff	Fine textured soils - model output	42	PMZ	15
6	06M14N01W32		2	Runoff	Fine textured soils - model output	18	PMZ	15
7	07M01S03E04		2	Runoff	Fine textured soils - model output		PMZ	11
7	07M02N02W14		3	Runoff	Fine textured soils		PMZ	18
7	07M02N02W24		2	Runoff	Fine textured soils - model output		PMZ	18
10	10M12S20E01		3	Leaching	Coarse textured soils	85	PMZ	11
10	10M13S22E03		3	Runoff	Mainly non-coarse textured soils or pans; also a small area of soils with permeability > 2.0 inches/hr or coarse textures.	31	PMZ	13
10	10M13S23E24		3	Leaching	Coarse textured soils		PMZ	14
10	10M13S23E26	NE, SW, SE	3	Leaching	Coarse textured soils	8	PMZ	14
		NW		Runoff	Pans present			
10	10M14S21E01	NW, NE, SE	1	Leaching	Coarse textured soils	42		11
		SW		Runoff	Pans present			
10	10M14S21E02	NW, NE, SW	1	Leaching	Coarse textured soils	49		11
		SE		Runoff	Pans present			
10	10M14S21E10	NW, SW, SE	1	Runoff	Pans present	59		11
		NE		Leaching	Coarse textured soils			
10	10M14S21E11	NW, NE	1	Leaching	Coarse textured soils	51		11
		SW, SE		Runoff	Pans present			
10	10M14S21E28		3	Leaching	Coarse textured soils	38	PMZ	9
10	10M14S22E04	NW, NE	1	Leaching	Coarse textured soils	32		11
		SW, SE		Runoff	Pans present			
10	10M14S22E06		1	Runoff	Pans present	37		11
10	10M14S22E13		3	Leaching	Coarse textured soils	31	PMZ	11
10	10M14S22E30	NW	1	Runoff	Pans present	32		11
		NE, SW, SE		Leaching	Coarse textured soils			
10	10M14S23E26	NE, SW, SE	3	Runoff	Pans present	47	PMZ	13
		NW		Leaching	Coarse textured soils and soils with permeability > 2.0 in/hr			
10	10M14S23E35		3	Runoff	Pans present	53	PMZ	13
10	10M14S24E27	NW, SW	3	Runoff	Mainly pans or non-coarse textured soils	28	PMZ	13
		NE, SE		Leaching	Coarse textured soils and soils with permeability > 2.0 in/hr			
10	10M15S21E10		3	Leaching	Coarse textured soils	34	PMZ	9
10	10M15S24E33		3	Leaching	Coarse textured soils and soils with permeability > 2.0 in/hr	55	PMZ	11
10	10M17S19E35		3	Leaching	Coarse textured soils	67	PMZ	7.5
10	10M17S22E05		3	Leaching	Coarse textured soils	34	PMZ	9
11	11M18N03W05		2	Runoff	Fine textured soils - model output	4	PMZ	15
11	11M18N03W07		2	Runoff	Fine textured soils - model output	6	PMZ	15

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CO	COMTRS	Quarter Sec	Category	Determination	Notes	AVGOFDGW	STATUS	AVGOFPRECI
11	11M18N03W18		2	Runoff	Fine textured soils - model output	8	PMZ	15
11	11M18N04W01		2	Runoff	Fine textured soils - model output	10	PMZ	15
11	11M19N02W05		2	Runoff	Fine textured soils - model output	6	PMZ	18
11	11M19N02W09		3	Runoff	Pans present	5	PMZ	18
11	11M19N03W03		2	Runoff	Fine textured soils - model output	9	PMZ	18
11	11M19N03W04		2	Runoff	Fine textured soils - model output	12	PMZ	18
11	11M19N03W06		2	Runoff	Fine textured soils - model output	18	PMZ	15
11	11M19N03W07		3	Runoff	No coarse textured soils present	17	PMZ	15
11	11M19N03W08		2	Runoff	Fine textured soils - model output	16	PMZ	15
11	11M19N03W09		3	Runoff	Fine textured soils	11	PMZ	18
11	11M19N03W10		2	Runoff	Fine textured soils - model output	8	PMZ	18
11	11M19N03W17		2	Runoff	Fine textured soils - model output	12	PMZ	15
11	11M19N03W18		2	Runoff	Fine textured soils - model output	15	PMZ	15
11	11M19N03W22		2	Runoff	Fine textured soils - model output	5	PMZ	18
11	11M19N03W31		2	Runoff	Fine textured soils - model output	5	PMZ	15
11	11M19N04W01		2	Runoff	Fine textured soils - model output	21	PMZ	15
11	11M19N04W02		2	Runoff	Fine textured soils - model output	22	PMZ	18
11	11M19N04W12		2	Runoff	Fine textured soils - model output	18	PMZ	15
11	11M19N04W23		2	Runoff	Fine textured soils - model output	17	PMZ	18
11	11M19N04W25		2	Runoff	Fine textured soils - model output	11	PMZ	15
11	11M20N03W03		3	Runoff	No coarse textured soils present - (clay, silt, and loams); less than 2% of soils had permeability > 2.0 in/hr	19	PMZ	18
11	11M20N03W09	NW, SW	3	Runoff	No coarse textured soils present	17	PMZ	18
		NE, SE		Leaching	Soils with permeability > 2.0 in/hr			
11	11M20N03W16		3	Runoff	Fine textured soils (clay, loam, and silt 90%)	20	PMZ	18
11	11M20N03W19		2	Runoff	Fine textured soils - model output	10	PMZ	18
11	11M20N03W20		2	Runoff	Fine textured soils - model output	12	PMZ	18
11	11M20N03W25		3	Runoff	Predominantly loams and silts (85%); other soils (15%) have permeability > 2.0 in/hr	14	PMZ	18
11	11M20N03W33		2	Runoff	Fine textured soils - model output	11	PMZ	18
11	11M20N03W34		2	Runoff	Fine textured soils - model output	10	PMZ	18
11	11M20N03W36		3	Runoff	Mainly silts (90%)	11	PMZ	18
15	15M28S25E14		3	Leaching	Coarse textured or permeability > 2.0 in/hr. Some pan at surface would need to be broken for ag production.	203	PMZ	6.5
15	15M31S27E16		4	Leaching	Study notes at sites show sandy soils on surface	104	PMZ	5.5
19	19S01N08W33		4	Runoff	Urban area: Industrial, residential, and/or rights of way	123	PMZ	22.5
19	19S01N09W35		4	Runoff	Urban area: Industrial, residential, and/or rights of way	62	PMZ	22.5
19	19S01N12W05		4	Runoff	Urban area: Industrial, residential, and/or rights of way	217	PMZ	22.5

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CO	COMTRS	Quarter Sec	Category	Determination	Notes	AVGOFDGW	STATUS	AVGOFPRECI
19	19S01N12W08		4	Runoff	Urban area: Industrial, residential, and/or rights of way	208	PMZ	22.5
19	19S01S08W03		4	Runoff	Urban area: Industrial, residential, and/or rights of way	180	PMZ	22.5
19	19S01S08W05		4	Runoff	Urban area: Industrial, residential, and/or rights of way	146	PMZ	22.5
19	19S01S09W03		4	Runoff	Urban area: Industrial, residential, and/or rights of way	82	PMZ	22.5
19	19S01S11W02		4	Runoff	Urban area: Industrial, residential, and/or rights of way	130	PMZ	18
19	19S01S11W09		4	Runoff	Urban area: Industrial, residential, and/or rights of way	115	PMZ	18
19	19S01S11W10		4	Runoff	Urban area: Industrial, residential, and/or rights of way	97	PMZ	18
19	19S01S11W11		4	Runoff	Urban area: Industrial, residential, and/or rights of way	109	PMZ	18
19	19S01S11W12		4	Runoff	Urban area: Industrial, residential, and/or rights of way	134	PMZ	18
19	19S01S11W14		4	Runoff	Urban area: Industrial, residential, and/or rights of way	93	PMZ	18
19	19S01S11W15		4	Runoff	Urban area: Industrial, residential, and/or rights of way	86	PMZ	18
19	19S01S11W21		4	Runoff	Urban area: Industrial, residential, and/or rights of way	75	PMZ	18
19	19S01S11W23		4	Runoff	Urban area: Industrial, residential, and/or rights of way	79	PMZ	18
19	19S01S11W26		4	Runoff	Urban area: Industrial, residential, and/or rights of way	74	PMZ	18
19	19S01S11W27		4	Runoff	Urban area: Industrial, residential, and/or rights of way	63	PMZ	18
19	19S02S11W05		4	Runoff	Urban area: Industrial, residential, and/or rights of way	25	PMZ	18
19	19S02S11W07		4	Runoff	Urban area: Industrial, residential, and/or rights of way	28	PMZ	14
19	19S02S11W08		4	Runoff	Urban area: Industrial, residential, and/or rights of way	36	PMZ	18
19	19S02S11W18		4	Runoff	Urban area: Industrial, residential, and/or rights of way	48	PMZ	14
19	19S02S11W19		4	Runoff	Urban area: Industrial, residential, and/or rights of way	42	PMZ	14
19	19S02S12W01		4	Runoff	Urban area: Industrial, residential, and/or rights of way	46	PMZ	18
19	19S02S12W08		4	Runoff	Urban area: Industrial, residential, and/or rights of way	130	PMZ	14
19	19S02S12W12		4	Runoff	Urban area: Industrial, residential, and/or rights of way	60	PMZ	14
19	19S02S12W13		4	Runoff	Urban area: Industrial, residential, and/or rights of way	35	PMZ	14
19	19S02S12W14		4	Runoff	Urban area: Industrial, residential, and/or rights of way	59	PMZ	14
19	19S02S12W15		4	Runoff	Urban area: Industrial, residential, and/or rights of way	90	PMZ	14
19	19S02S12W16		4	Runoff	Urban area: Industrial, residential, and/or rights of way	96	PMZ	14
19	19S02S12W20		4	Runoff	Urban area: Industrial, residential, and/or rights of way	106	PMZ	14
19	19S02S12W21		4	Runoff	Urban area: Industrial, residential, and/or rights of way	91	PMZ	14
19	19S02S12W22		4	Runoff	Urban area: Industrial, residential, and/or rights of way	63	PMZ	14
19	19S02S12W23		4	Runoff	Urban area: Industrial, residential, and/or rights of way	45	PMZ	14
19	19S02S12W24		4	Runoff	Urban area: Industrial, residential, and/or rights of way	43	PMZ	14
19	19S02S12W25		4	Runoff	Urban area: Industrial, residential, and/or rights of way	54	PMZ	14
19	19S02S12W26		4	Runoff	Urban area: Industrial, residential, and/or rights of way	62	PMZ	14
19	19S02S12W27		4	Runoff	Urban area: Industrial, residential, and/or rights of way	67	PMZ	14
19	19S02S12W28		4	Runoff	Urban area: Industrial, residential, and/or rights of way	83	PMZ	14
19	19S02S12W29		4	Runoff	Urban area: Industrial, residential, and/or rights of way	100	PMZ	14
19	19S02S12W30		4	Runoff	Urban area: Industrial, residential, and/or rights of way	118	PMZ	14

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19	19S02S12W31		4	Runoff	Urban area: Industrial, residential, and/or rights of way	93	PMZ	14
19	19S02S12W33		4	Runoff	Urban area: Industrial, residential, and/or rights of way	83	PMZ	14
19	19S02S12W34		4	Runoff	Urban area: Industrial, residential, and/or rights of way	76	PMZ	14
19	19S02S12W35		4	Runoff	Urban area: Industrial, residential, and/or rights of way	67	PMZ	14
19	19S02S12W36		4	Runoff	Urban area: Industrial, residential, and/or rights of way	67	PMZ	14
19	19S03S12W01		4	Runoff	Urban area: Industrial, residential, and/or rights of way	80	PMZ	14
19	19S03S12W02		4	Runoff	Urban area: Industrial, residential, and/or rights of way	74	PMZ	14
19	19S03S12W03		4	Runoff	Urban area: Industrial, residential, and/or rights of way	73	PMZ	14
19	19S03S12W04		4	Runoff	Urban area: Industrial, residential, and/or rights of way	77	PMZ	14
19	19S03S12W05		4	Runoff	Urban area: Industrial, residential, and/or rights of way	73	PMZ	14
19	19S03S12W08		4	Runoff	Urban area: Industrial, residential, and/or rights of way	72	PMZ	13
19	19S03S12W09		4	Runoff	Urban area: Industrial, residential, and/or rights of way	78	PMZ	13
19	19S03S12W10		4	Runoff	Urban area: Industrial, residential, and/or rights of way	76	PMZ	13
19	19S03S12W11		4	Runoff	Urban area: Industrial, residential, and/or rights of way	78	PMZ	13
19	19S03S12W12		4	Runoff	Urban area: Industrial, residential, and/or rights of way	87	PMZ	14
19	19S03S12W13		4	Runoff	Urban area: Industrial, residential, and/or rights of way	85	PMZ	13
19	19S03S12W14		4	Runoff	Urban area: Industrial, residential, and/or rights of way	82	PMZ	13
19	19S03S12W15		4	Runoff	Urban area: Industrial, residential, and/or rights of way	81	PMZ	13
19	19S03S12W17		4	Runoff	Urban area: Industrial, residential, and/or rights of way	67	PMZ	13
20	20M08S20E34		4	Leaching	Study notes at sites show sandy soils on surface		PMZ	22.5
20	20M09S20E02		4	Leaching	Study notes at sites show sandy soils on surface		PMZ	22.5
20	20M11S16E05	NW, NE, SW	1	Runoff	Pans present and some coarse soils with deep pans	70		9
		SE		Leaching	Coarse and coarse with deep pan soils, also small area of pan			
23	23M15N12W16		3	Leaching	Mainly soils with permeability > 2.0 in/hr and coarse soils		PMZ	35
24	24M06S12E25		1	Leaching	Coarse textured soils, some coarse with deep pan	69		11
24	24M06S12E27		1	Leaching	Coarse textured soils, some coarse with deep pan	62		11
24	24M06S12E34		1	Leaching	Coarse textured soils, some coarse with deep pan	56		11
24	24M06S12E36		1	Leaching	Coarse textured soils, some coarse with deep pan	61		11
24	24M07S12E15		1	Leaching	Mainly coarse soils, coarse with deep pan, small amt of pans	38		11
24	24M07S12E25	NW, SW	1	Leaching	Coarse and coarse with deep pan soils	22		11
		NE, SE		Runoff	Pans present			
24	24M07S13E05		1	Leaching	Coarse and coarse with deep pan soils	56		11
24	24M07S13E06		1	Leaching	Coarse and coarse with deep pan soils	57		11
24	24M07S13E08	NW, NE, SE	1	Leaching	Coarse and coarse with deep pan soils	49		11
		SW		Runoff	Pans present			
24	24M07S13E09		1	Leaching	Coarse and coarse with deep pan soils	48		11

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24	24M07S13E16		1	Leaching	Coarse and coarse with deep pan soils	41		11
24	24M07S13E17	NW	1	Runoff	Pans present	42		11
		NE, SW, SE		Leaching	Coarse and coarse with deep pan soils			
24	24M07S13E19		1	Leaching	Coarse and coarse with deep pan soils	30		11
24	24M07S13E36		2	Runoff	Pan present (91%), fine textured soils present - model output	38	PMZ	11
24	24M08S13E01		2	Runoff	Pan present (63%), fine textured soils present - model output	34	PMZ	11
24	24M09S12E25	NW, SW	3	Runoff	Pans present	6	PMZ	9
		NE, SE		Leaching	Coarse textured soils and soils with permeability > 2.0 in/hr			
24	24M09S12E36		2	Runoff	Clay loams and silt loams present; fine textured - model output	7	PMZ	9
24	24M09S14E23		3	Leaching	Predominantly coarse textured soils	69	PMZ	9
30	30S03S09W27		3	Leaching	Mostly soils with permeability > 2.0 in/hr	66	PMZ	14
30	30S03S09W28		3	Leaching	Mostly soils with permeability > 2.0 in/hr	68	PMZ	14
30	30S03S09W32		3	Leaching	Coarse textured soils and soils with permeability > 2.0 in/hr	95	PMZ	13
30	30S03S09W33		3	Leaching	Coarse textured soils and soils with permeability > 2.0 in/hr	68	PMZ	13
30	30S03S09W34		3	Leaching	Coarse textured soils and soils with permeability > 2.0 in/hr	82	PMZ	13
30	30S04S09W04		3	Leaching	Coarse textured soils and soils with permeability > 2.0 in/hr	91	PMZ	13
30	30S04S10W01		3	Leaching	Coarse textured soils	123	PMZ	13
31	31M15N10E04		3	Runoff	Mainly non-coarse textured soils; area high permeable soils (20 in/hr)		PMZ	55
33	33S02S05W12		3	Leaching	Mainly coarse textured soils	45	PMZ	14
33	33S02S05W20		3	Leaching	Coarse textured soils and soils with permeability > 2.0 in/hr; also some pans	33	PMZ	11
33	33S03S04W30		3	Leaching	Coarse textured soils and soils with permeability > 2.0 in/hr; also some pans	22	PMZ	9
33	33S03S05W15	NW, NE, SE	1	Runoff	Pans present	45		9
		SW		Leaching	Mostly coarse textured soils			
33	33S03S06W31		3	Runoff	Mainly non-coarse textured soils; also a small area of soils with permeability > 2.0 inches/hr.	100	PMZ	14
33	33S03S07W25	NW, SW, SE	3	Runoff	Mainly non-coarse textured soils	107	PMZ	14
		NE		Leaching	Coarse textured soils			
36	36S01S04W32		4	Leaching	Coarse textured soils	67	PMZ	14
36	36S02S04W05	NW, SW	4	Runoff	Fine textured soils	120	PMZ	14
		NE, SE		Leaching	Coarse textured soils			
36	36S02S04W06	NW, NE, SW	4	Leaching	Coarse textured soils	71	PMZ	14
		SE		Runoff	Fine textured soils			
39	39M01N06E23		1	Runoff	Pans present	29		13
39	39M01S06E01		1	Leaching	Coarse textured soils	27		13
39	39M01S06E02		1	Leaching	Coarse textured soils	24		13
39	39M01S06E13		1	Leaching	Coarse textured soils	20	PMZ	11

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39	39M01S06E14		1	Leaching	Coarse textured soils	19		11
39	39M01S06E23	NW, NE	1	Runoff	Pans present	11		11
		SW, SE		Leaching	Coarse textured soils			
39	39M01S06E24		1	Leaching	Coarse textured soils	14		11
39	39M01S06E25		1	Leaching	Coarse textured soils	15		11
39	39M01S06E36		1	Leaching	Coarse textured soils	14		11
39	39M01S07E08	NW, NE	1	Runoff	Pans present	32		11
		SW, SE		Leaching	Coarse textured soils			
39	39M01S07E15	NW, SW, SE	1	Leaching	Coarse textured soils	48		11
		NE		Runoff	Pans present			
39	39M01S07E16		1	Leaching	Coarse textured soils	34		11
39	39M01S07E18		1	Leaching	Coarse textured soils	23		11
39	39M01S07E19		1	Leaching	Coarse textured soils	17		11
39	39M01S07E25	NW, SW	1	Leaching	Coarse textured soils	41		11
		NE, SE		Runoff	Pans present			
39	39M01S07E29		1	Leaching	Coarse textured soils	19		11
39	39M01S07E31		1	Leaching	Coarse textured soils	15		11
39	39M01S07E32		1	Leaching	Coarse textured soils	17		11
39	39M01S07E35		1	Leaching	Coarse textured soils	28		11
39	39M01S08E27	NW, NE	1	Runoff	Pans present	65		11
		SW, SE		Leaching	Coarse textured soils			
39	39M01S08E28	NW, NE, SW	1	Runoff	Pans present	61		11
		SE		Leaching	Coarse textured soils			
39	39M01S08E29		1	Runoff	Pans present	53		11
39	39M01S08E32		1	Leaching	Coarse textured soils	47		11
39	39M01S08E34		1	Leaching	Coarse textured soils	55		11
39	39M01S08E35	NW, SW, SE	1	Leaching	Coarse textured soils	59		11
		NE		Runoff	Pans present			
39	39M01S08E36	NW	1	Runoff	Pans present	65		11
		NE, SW, SE		Leaching	Coarse textured soils			
39	39M01S09E31	NW, NE	1	Leaching	Coarse textured soils	65		13
		SW, SE		Runoff	Pans present			
39	39M01S09E32	NW, NE	1	Runoff	Pans present	65		13
		SW, SE		Leaching	Coarse textured soils			
39	39M02S05E13		2	Runoff	Fine textured soils - model output	48	PMZ	11
39	39M02S05E14		2	Runoff	Fine textured soils - model output	28	PMZ	9
39	39M02S05E23		2	Runoff	Fine textured soils - model output	28	PMZ	9
39	39M02S05E24		2	Runoff	Fine textured soils - model output	40	PMZ	11

Table 1. List of Modified Ground Water Protection Area Sections

CO	COMTRS	Quarter Sec	Category	Determination	Notes	AVGOFDGW	STATUS	AVGOFPRECI
39	39M02S06E19		2	Runoff	Fine textured soils - model output	31	PMZ	11
39	39M02S07E03		1	Leaching	Coarse textured soils	20		11
39	39M02S07E07	NW	1	Runoff	Pans present	8		11
		NE, SW, SE		Leaching	Coarse textured soils			
39	39M02S07E18		1	Leaching	Coarse textured soils	6		11
39	39M02S07E21		1	Leaching	Coarse textured soils	12		11
39	39M02S07E22		1	Leaching	Coarse textured soils	12		11
39	39M02S07E27	NE	1	Runoff	Pans present	12		11
		NW, SW, SE		Leaching	Coarse textured soils			
39	39M02S07E28		1	Leaching	Coarse textured soils	11		11
39	39M02S07E29	NE	1	Runoff	Pans present	8		11
		NW, SW, SE		Leaching	Coarse textured soils			
39	39M02S07E30	NW, SW	1	Runoff	Pans present	8		11
		NE, SE		Leaching	Coarse textured soils			
39	39M02S07E31	NW, SW, SE	1	Runoff	Pans present	8		11
		NE		Leaching	Coarse textured soils			
39	39M02S07E32	NW, NE	1	Leaching	Coarse textured soils	9		11
		SW, SE		Runoff	Pans present			
39	39M02S07E33		1	Runoff	Pans present	12		11
39	39M02S07E34	NW, NE	1	Leaching	Coarse textured soils	12		11
		SW, SE		Runoff	Pans present			
39	39M02S08E02		1	Leaching	Coarse textured soils and soils with permeability > 2.0 in/hr	49		11
39	39M02S08E03		1	Leaching	Coarse textured soils and soils with permeability > 2.0 in/hr	46		11
39	39M02S08E04		1	Leaching	Coarse textured soils	44		11
39	39M02S09E03	NW, NE	1	Runoff	Pans present	67		13
		SW, SE		Leaching	Coarse textured soils			
39	39M02S09E04		1	Leaching	Coarse textured soils	64		13
39	39M02S09E10		1	Leaching	Coarse textured soils	60		13
39	39M02S09E11	NW, SW, SE	1	Leaching	Coarse textured soils	65		13
		NE		Runoff	Pans present			
39	39M02S09E12		1	Runoff	Pans present	68		13
39	39M03N06E07		1	Leaching	Coarse textured soils	27		14
39	39M03N06E08	NW	1	Runoff	Pans present	36		14
		NE, SW, SE		Leaching	Coarse textured soils			
39	39M03N06E09	SW	1	Runoff	Pans present	38		14
		NW, NE, SE		Leaching	Coarse textured soils			
39	39M03N06E17		2	Runoff	Fine textured soils - model output	36	PMZ	14

Table 1. List of Modified Ground Water Protection Area Sections

CO	COMTRS	Quarter Sec	Category	Determination	Notes	AVGOFDGW	STATUS	AVGOFPRECI
39	39M03N06E18	SW	1	Runoff	Pans present	30	PMZ	14
		NW, NE, SE		Leaching	Coarse textured soils			
39	39M03N06E22		1	Leaching	Coarse textured soils	54		14
39	39M03N06E28	NW, SW	1	Runoff	Pans present	53		14
		NE, SE		Leaching	Coarse textured soils			
39	39M03S07E04		1	Runoff	Pans present	13		11
39	39M03S07E05		1	Runoff	Pans present	10		11
39	39M03S07E06		1	Runoff	Pans present	9		11
39	39M04N05E22	NW, NE, SE	1	Leaching	Coarse textured soils	6		14
		SW		Runoff	Pans present			
39	39M04N05E36		1	Leaching	Coarse textured soils	13		14
47	47M44N05W26		1	Runoff	Pans present in most of section	52		11
48	48M06N01E19		2	Runoff	Fine textured soils - model output	12	PMZ	18
48	48M07N01E04		2	Runoff	Fine textured soils - model output	19	PMZ	18
50	50M04S07E29		4	Runoff	Clays and silt clays present; no pans or perm > 2.0 in/hr	72	PMZ	9
50	50M04S07E30		4	Runoff	Clays and silt clays present; no pans or perm > 2.0 in/hr	91	PMZ	9
50	50M04S09E20		3	Leaching	Coarse textured soils and soils with permeability > 2.0 in/hr	19	PMZ	11
50	50M04S09E21		3	Leaching	Coarse textured soils and soils with permeability > 2.0 in/hr	21	PMZ	11
50	50M05S11E21		1	Runoff	Almost completely pans; some soils with permeability > 2.0 in/hr	51		11
52	52M25N03W23		3	Leaching	Coarse textured soils and soils with permeability > 2.0 in/hr	35	PMZ	18
52	52M25N03W24		3	Leaching	Coarse textured soils and soils with permeability > 2.0 in/hr	33	PMZ	18
52	52M26N03W35		3	Runoff	Mainly non-coarse textured soils with some pans	33	PMZ	18
52	52M27N02W07		1	Runoff	Mainly pans or non-coarse textured soils, some coarse soil (riverwash)	39		22.5
54	54M16S23E01	NW	1	Runoff	Pans present	44	PMZ	11
		NE, SW, SE		Leaching	Coarse and coarse with deep pan soils			
54	54M16S23E12	NW	1	Runoff	Pans present	43		11
		NE, SW, SE		Leaching	Coarse soils			
54	54M16S23E13	NW, SW	1	Leaching	Coarse soils	42		11
		NE, SE		Runoff	Pans present			
54	54M16S23E24	NW, SW	1	Leaching	Coarse soils	43		11
		NE, SE		Runoff	Pans present			
54	54M16S23E26	NW, SW	1	Runoff	Pans present	40		9
		NE, SE		Leaching	Coarse soils			
54	54M16S24E08	NW, SW	1	Leaching	Coarse soils	42	PMZ	11
		NE, SE		Runoff	Pans present			
54	54M16S24E20		1	Runoff	Mainly pans present, small percentage of coarse soils	35		11
54	54M16S25E05	NW, SW	3	Leaching	Coarse textured soils	41	PMZ	13
		NE, SE		Runoff	Pans present			

Table 1. List of Modified Ground Water Protection Area Sections

CO	COMTRS	Quarter Sec	Category	Determination	Notes	AVGOFDGW	STATUS	AVGOFPRECI
54	54M16S25E31	NW, SW, SE	1	Runoff	Pans present	36	PMZ	11
		NE		Leaching	Coarse textured soils present			
54	54M17S26E18		3	Leaching	Almost all coarse textured soils, very small area of clay (3%)	22	PMZ	11
54	54M18S23E36		3	Leaching	Mainly coarse textured soils; also one soil with permeability > 2.0 inches/hr; no pans present	85	PMZ	9
54	54M18S25E13		3	Leaching	Mainly coarse soils	52	PMZ	11
54	54M18S26E01		3	Leaching	Mainly coarse soils present, small percentage of pan soils	25	PMZ	11
54	54M18S26E03		1	Runoff	Pans present (99%), coarse (1%)	40		11
54	54M18S26E21		3	Leaching	Mainly coarse soils present	35	PMZ	11
54	54M18S27E02	NW, SW	3	Runoff	Pans present with a small area of coarse soils	24	PMZ	13
		NE, SE		Leaching	Coarse textured soils and some soils with permeability > 2.0 in/hr			
54	54M18S27E11	NW, NE, SE	3	Leaching	Coarse textured soils and some soils with permeability > 2.0 in/hr	24	PMZ	13
		SW		Runoff	Pans present and small area of soils with permeability > 2.0 in/hr			
54	54M19S24E36		3	Leaching	Coarse soils (100%)	59	PMZ	9
54	54M19S25E31		3	Leaching	Coarse soils (100%)	52	PMZ	9
54	54M19S27E29		2	Runoff	Fine textured soils - model output	31	PMZ	11
54	54M21S26E34		3	Leaching	Coarse soils (98%), Pans (2%)	68	PMZ	9
54	54M21S26E36	SE	3	Runoff	Pans present	60	PMZ	9
		NW, NE, SW		Leaching	Coarse soils present			
54	54M21S29E15		3	Runoff	Excluding slopes, Pans predominate		PMZ	18
54	54M21S29E16		3	Runoff	Excluding slopes, Pans predominate		PMZ	18
54	54M22S26E03		3	Leaching	Coarse soils (96%), Pans (4%)	81	PMZ	9
54	54M22S26E10		3	Leaching	Coarse soils (80%), Pans (5%), Loams (15%)	90	PMZ	9
54	54M22S27E05		1	Runoff	Pans (100%)	66		9
54	54M22S27E07		1	Runoff	Pans predominate (93%)	83	PMZ	9
54	54M24S25E24		3	Leaching	Coarse soils (97%), Pans (1%), Loams (2%)	96	PMZ	7.5
54	54M24S25E36		3	Leaching	Coarse soils (100%)	77	PMZ	7.5
54	54M24S26E30		3	Leaching	Coarse soils (95%), Loams (5%), No pans	85	PMZ	7.5
56	56S02N19W19		3	Leaching	Coarse soils present; no pans		PMZ	13
56	56S02N19W30		3	Leaching	Coarse soils present; no pans		PMZ	13
56	56S02N20W23		3	Leaching	Coarse soils present; no pans	187	PMZ	13
56	56S02N20W24		3	Leaching	Coarse soils present; no pans	179	PMZ	13
56	56S02N20W25		3	Leaching	Coarse soils present; no pans		PMZ	13
56	56S02N20W26		3	Leaching	Coarse soils present; no pans		PMZ	13
57	57M08N01E01		2	Runoff	Fine textured soils - model output	27	PMZ	18
57	57M08N01E02		2	Runoff	Fine textured soils - model output	25	PMZ	18
57	57M08N01E11		2	Runoff	Fine textured soils - model output	32	PMZ	18
57	57M08N01E14		2	Runoff	Fine textured soils - model output	33	PMZ	18

Table 1. List of Modified Ground Water Protection Area Sections

CO	COMTRS	Quarter Sec	Category	Determination	Notes	AVGOFDGW	STATUS	AVGOFPRECI
57	57M09N01E36		2	Runoff	Fine textured soils - model output	23	PMZ	18
58	58M16N04E25		1	Runoff	Mainly pans present	16		22.5
58	58M16N05E30		1	Runoff	Mainly pans present	15		22.5

Appendix 1

Pan Soils and Mean Pan Depths

Appendix 1

Definition of soil data elements found in the SSURGO data base data use information manual.

Muid - Mapunit Identification Symbol: A symbol created by concatenation of the soil survey area symbol (ssaid) and mapunit symbol (musym). It uniquely identifies a mapunit within a state.

Surftex – Surface Soil Texture: Code for the USDA texture for the surface layer or horizon.

Panha (Panhard) – Cemented Pan Thickness: The degree of induration and thickness of the cemented pan. A pan is rated as "THICK" if it is more than 3 inches thick and continually indurated or more than 18 inches thick and discontinuous or fractured. Pans not meeting these criteria are rated "THIN".

Pandepl – Depth to Cemented Pan: Minimum value for the range in depth to the upper boundary of a cemented pan, expressed in inches.

Pandeph – Depth to Cemented Pan: Maximum value for the range in depth to the upper boundary of a cemented pan, expressed in inches.

Definitions:

Mean Pan Depth: The average of the minimum (Pandepl) and maximum (Pandeph) depths to cemented pan for the muid, expressed in inches.

MUID	SURFTEX	PANHA	PANDEPL	PANDEPH	mean pan depth
021AxC	C	THICK	30	40	35
021AyD	C	THICK	30	40	35
021Cb	C	THICK	24	40	32
021Cba	C	THICK	24	40	32
021Cbb	C	THICK	24	40	32
021CzB	GR-L	THICK	20	40	30
021La	C	THICK	30	45	37.5
021Lc	CL	THICK	40	60	50
021Mz	L	THICK	20	40	30
021Ph	SIL	THIN	20	36	28
021Pha	SIL	THIN	20	36	28
021Pk	SICL	THIN	20	36	28
021Pka	SICL	THIN	20	36	28
021Pkb	SICL	THIN	20	36	28
021Rg	GR-L	THICK	20	40	30
021Sm	C	THICK	40	60	50
021Sn	C	THICK	20	40	30
021So	C	THICK	60	60	60
021Sp	C	THICK	20	40	30
021Sr	C	THICK	20	40	30
021Ss	C	THICK	20	40	30
021Th	GR-L	THICK	20	40	30
021Wd	C	THICK	24	40	32
021Wda	C	THICK	24	40	32
021Wdb	C	THICK	24	40	32
021Wdc	C	THICK	24	40	32
021Yg	CL	THICK	25	40	32.5
021Zc	SICL	THICK	40	60	50
31140	SIL	THIN	10	20	15
31158	VFSL	THICK	10	20	15
31180	FSL	THICK	8	20	14
33203	FSL	THICK	20	36	28
41172	S	THICK	35	50	42.5
053GhC	SL	THICK	20	40	30
053GhD	SL	THICK	20	40	30
053GhF	SL	THICK	20	40	30
67102	SIL	THIN	40	60	50
67115	C	THICK	40	60	50
67126	GR-L	THICK	20	40	30
67133	SL	THICK	20	40	30
67134	SCL	THICK	20	40	30
67135	CL	THICK	40	60	50
67137	C	THICK	10	30	20
67138	C	THICK	10	30	20
67138	C	THICK	20	40	30
67144	FSL	THIN	20	40	30
67145	FSL	THIN	20	40	30
67146	L	THIN	20	40	30
67147	FSL	THIN	20	40	30
67148	FSL	THIN	20	40	30
67149	FSL	THIN	20	40	30
67151	C	THICK	20	40	30
67152	C	THICK	20	40	30
67153	C	THICK	20	40	30
67154	C	THICK	20	40	30
67157	L	THIN	20	40	30
67161	C	THICK	20	40	30
67162	L	THIN	14	20	17
67162	FSL	THIN	20	40	30
67163	SL	THICK	13	20	16.5
67174	L	THICK	20	40	30
67175	L	THICK	20	40	30
67176	L	THICK	20	40	30

MUID	SURFTEX	PANHA	PANDEPL	PANDEPH	mean pan depth
67176	C	THICK	20	40	30
67184	L	THIN	14	20	17
67185	L	THIN	10	20	15
67193	GR-L	THICK	20	40	30
67197	L	THICK	23	40	31.5
67198	GR-L	THICK	20	40	30
67211	FSL	THICK	20	40	30
67212	FSL	THICK	20	40	30
67213	SIL	THICK	20	40	30
67214	SIL	THICK	20	40	30
67215	SIL	THICK	20	40	30
67216	SIL	THICK	20	40	30
67216	C	THICK	10	30	20
67217	SIL	THICK	20	36	28
67217	SIL	THICK	24	40	32
67218	SIL	THICK	23	40	31.5
67218	C	THICK	20	40	30
67219	SIL	THICK	23	40	31.5
67220	FSL	THICK	23	40	31.5
67221	SIL	THICK	23	40	31.5
67229	FSL	THIN	20	40	30
67235	GR-L	THICK	20	40	30
67236	L	THICK	20	40	30
67238	FSL	THICK	23	40	31.5
67239	L	THICK	23	40	31.5
67240	FSL	THICK	23	40	31.5
67241	FSL	THIN	20	40	30
069PsE2	SL	THICK	24	38	31
77101	SL	THIN	40	60	50
77102	C	THICK	20	40	30
77108	SL	THICK	30	50	40
77110	CL	THICK	40	60	50
77135	GR-L	THICK	20	40	30
77136	CB-L	THICK	20	40	30
77149	SL	THICK	20	40	30
77157	SL	THICK	20	40	30
77158	CL	THICK	40	60	50
77160	C	THICK	20	40	30
77161	C	THICK	20	40	30
77162	C	THICK	20	40	30
77173	SIC	THICK	40	60	50
77174	C	THICK	40	60	50
77180	C	THICK	20	40	30
77181	C	THICK	20	40	30
77182	L	THICK	40	60	50
77183	L	THICK	40	60	50
77184	LS	THIN	10	20	15
77185	FSL	THIN	10	20	15
77186	L	THIN	10	20	15
77187	GR-L	THICK	10	20	15
77187	SL	THIN	20	40	30
77188	GR-L	THICK	10	20	15
77188	GR-L	THICK	20	40	30
77193	SL	THICK	20	40	30
77194	L	THICK	20	40	30
77195	SL	THICK	20	40	30
77195	SL	THICK	20	40	30
77196	FSL	THICK	20	40	30
77209	L	THIN	20	40	30
77210	GR-SL	THICK	20	40	30
77219	L	THICK	20	40	30
77220	GR-L	THICK	20	40	30
77221	GR-L	THICK	20	40	30

MUID	SURFTEX	PANHA	PANDEPL	PANDEPH	mean pan depth
77226	CL	THICK	20	40	30
77227	CL	THICK	20	40	30
77228	SL	THICK	20	40	30
77229	FSL	THICK	20	40	30
77236	SL	THICK	20	40	30
77237	SL	THICK	20	40	30
77238	L	THICK	20	40	30
77239	L	THICK	20	40	30
77240	L	THICK	20	40	30
77241	L	THICK	20	40	30
77241	L	THICK	20	40	30
77242	L	THICK	20	40	30
77248	FSL	THICK	40	60	50
77249	SICL	THICK	40	60	50
77250	C	THICK	40	60	50
77251	C	THICK	40	60	50
77254	LS	THIN	40	60	50
77258	CL	THICK	20	40	30
77265	SL	THICK	40	60	50
77266	FSL	THICK	40	60	50
77267	SICL	THICK	40	60	50
77270	SIL	THICK	20	40	30
77271	SICL	THICK	20	40	30
77279	GR-L	THICK	45	60	52.5
77280	GR-L	THICK	45	60	52.5
097CgC	GR-L	THICK	20	40	30
097CgD	GR-L	THICK	20	40	30
097CgE	GR-L	THICK	20	40	30
097HtA	L	THICK	20	40	30
097HtC	L	THICK	20	40	30
097HtD	L	THICK	20	40	30
097HuB	L	THICK	20	40	30
097HvC	L	THICK	20	40	30
097HwB	L	THICK	20	40	30
097TuC	CB-CL	THICK	10	20	15
097TuE	CB-CL	THICK	10	20	15
101109	C	THICK	40	60	50
101114	C	THICK	40	60	50
101128	SL	THICK	20	40	30
101129	C	THICK	20	40	30
101130	C	THICK	20	40	30
101137	C	THICK	20	40	30
101139	L	THICK	40	60	50
101139	CL	THIN	20	35	27.5
101158	SL	THICK	20	40	30
101159	SL	THICK	20	40	30
101160	SL	THICK	20	40	30
101160	FSL	THIN	5	20	12.5
101175	L	THICK	20	38	29
101176	L	THICK	20	38	29
602153	SIL	THIN	20	40	30
602154	SCL	THIN	10	20	15
602179	L	THIN	20	40	30
602180	L	THIN	20	40	30
602181	ST-L	THIN	20	40	30
602182	SCL	THICK	20	40	30
602192	C	THICK	20	40	30
602193	C	THICK	20	40	30
602194	CB-C	THICK	20	40	30
602195	C	THICK	10	20	15
602214	ST-L	THIN	20	40	30
602217	CL	THICK	20	40	30
602218	CL	THICK	20	40	30

MUID	SURFTEX	PANHA	PANDEPL	PANDEPH	mean pan depth
602219	GR-CL	THICK	20	40	30
602220	GR-CL	THICK	20	40	30
602221	CB-L	THICK	20	40	30
603106	GR-L	THIN	26	40	33
603107	CB-L	THIN	26	40	33
603108	CL	THIN	26	40	33
603109	GR-L	THIN	8	20	14
603110	GR-L	THIN	8	20	14
603111	CB-L	THIN	8	20	14
603134	L	THIN	40	60	50
603135	GR-L	THIN	40	60	50
603136	GR-L	THIN	40	60	50
603137	CL	THIN	40	60	50
603162	SIL	THICK	20	30	25
603163	VFSL	THICK	20	30	25
603163	L	THIN	40	60	50
603168	SL	THICK	24	40	32
603169	GR-L	THICK	24	40	32
603171	CB-L	THIN	8	15	11.5
603171	L	THICK	31	35	33
603171	STX-CL	THIN	10	20	15
603172	STX-L	THIN	9	15	12
603175	SIL	THIN	10	24	17
603179	STX-CL	THIN	10	20	15
603180	STX-CL	THIN	14	20	17
603181	STX-CL	THIN	14	20	17
603182	L	THIN	40	60	50
603187	VFSL	THIN	20	32	26
603188	GR-L	THIN	20	32	26
603189	CBV-L	THIN	20	32	26
603190	CL	THIN	20	32	26
603192	CBV-L	THIN	12	18	15
603192	L	THIN	24	40	32
604107	SL	THICK	8	20	14
604107	L	THIN	40	60	50
604108	GR-SL	THICK	8	20	14
604108	SL	THICK	20	40	30
604121	L	THICK	20	40	30
604121	C	THICK	20	40	30
604134	LS	THIN	40	60	50
604135	LS	THIN	40	60	50
604136	LS	THIN	40	60	50
604137	LS	THIN	40	60	50
604138	SIC	THIN	20	40	30
604150	L	THIN	20	40	30
604156	L	THIN	40	60	50
604159	L	THIN	10	20	15
604159	SIL	THIN	20	40	30
604160	L	THIN	10	20	15
604160	SIL	THIN	20	40	30
604161	SL	THIN	40	60	50
604162	L	THIN	40	60	50
604169	L	THIN	15	45	30
604197	GRX-SL	THICK	10	20	15
604198	CBV-L	THICK	10	20	15
604199	CBV-L	THICK	10	20	15
604200	CBV-L	THICK	10	20	15
604201	CBV-L	THICK	10	20	15
604201	L	THICK	20	40	30
604202	CBV-L	THICK	10	20	15
604202	L	THICK	20	40	30
604203	L	THICK	10	20	15
604204	CBV-L	THICK	10	20	15

MUID	SURFTEX	PANHA	PANDEPL	PANDEPH	mean pan depth
604204	CBV-L	THIN	10	20	15
604205	STX-L	THICK	10	20	15
604205	STX-L	THIN	10	20	15
604206	CBV-L	THICK	10	20	15
604206	STX-L	THIN	10	20	15
604210	CB-C	THIN	20	38	29
604225	CB-C	THIN	20	38	29
604226	C	THICK	20	40	30
604227	C	THICK	20	40	30
604227	C	THICK	50	60	55
604233	SL	THICK	20	40	30
604235	CBV-L	THIN	10	20	15
604252	L	THICK	20	40	30
604253	SL	THICK	20	40	30
604270	CB-SCL	THIN	9	20	14.5
604271	GRX-SL	THICK	10	14	12
604271	L	THICK	20	40	30
604272	GRV-SL	THICK	10	14	12
604272	GR-SL	THICK	20	40	30
604273	CBV-SL	THICK	10	14	12
604273	GR-SL	THICK	20	40	30
604282	SL	THIN	60	99	79.5
604283	SL	THIN	60	99	79.5
604284	SL	THIN	60	99	79.5
604285	SL	THIN	60	99	79.5
604317	C	THICK	60	99	79.5
604318	MUCK	THICK	60	99	79.5
604319	L	THICK	20	40	30
604328	SIL	THIN	20	40	30
604328	SIC	THIN	20	40	30
604329	SIL	THIN	20	40	30
604329	SIC	THIN	20	40	30
604330	L	THIN	60	80	70
604332	L	THIN	60	80	70
604332	L	THIN	20	40	30
605208	GR-L	THICK	12	20	16
607AhB	C	THICK	20	40	30
607AkB	CBV-C	THICK	10	20	15
607CgB	GR-L	THICK	20	40	30
607IaB	GR-L	THICK	3	12	7.5
607KdA	GR-L	THIN	20	40	30
607KdB	GR-L	THIN	20	40	30
607KeB	CB-L	THIN	20	40	30
607MgA	L	THICK	20	40	30
607MhA	L	THICK	20	40	30
607MkB	L	THICK	20	40	30
607PoA	GR-L	THICK	24	36	30
607PoB	GR-L	THICK	24	36	30
607RcA	GR-L	THICK	20	40	30
607RcB	GR-L	THICK	20	40	30
607RdA	GR-L	THICK	20	40	30
607RdB	GR-L	THICK	20	40	30
607ReA	GR-L	THICK	20	40	30
607ReA	GR-L	THICK	20	40	30
607ReB	GR-L	THICK	20	40	30
607ReB	GR-L	THICK	20	40	30
607SrA	SL	THICK	20	36	28
607SrB	SL	THICK	20	36	28
607ThA	CB-L	THICK	10	20	15
607ThB	CB-L	THICK	10	20	15
608114	ST-SL	THICK	20	40	30
608116	CB-L	THICK	8	20	14
608171	SIL	THIN	14	20	17

MUID	SURFTEX	PANHA	PANDEPL	PANDEPH	mean pan depth
608214	CBV-L	THICK	14	20	17
608244	CBV-SIL	THICK	22	35	28.5
608250	CB-SL	THICK	22	35	28.5
608250	CBV-SL	THICK	13	20	16.5
608263	SL	THICK	8	20	14
608271	FSL	THIN	9	14	11.5
608285	SL	THICK	20	40	30
608285	SL	THICK	40	60	50
608329	CBV-L	THICK	10	20	15
608330	STV-L	THICK	10	20	15
608331	STV-L	THICK	10	20	15
608361	CBV-L	THICK	13	20	16.5
612100	C	THICK	10	20	15
612100	C	THICK	20	40	30
612100	CL	THICK	10	20	15
612115	L	THICK	40	60	50
612115	CL	THIN	20	35	27.5
612130	L	THICK	20	40	30
612133	L	THICK	20	40	30
612133	CL	THICK	20	40	30
612136	FSL	THICK	20	40	30
612136	CL	THICK	40	60	50
612252	C	THIN	40	60	50
612255	SICL	THIN	40	60	50
612256	SIL	THIN	40	60	50
612315	L	THICK	20	40	30
612316	L	THICK	20	40	30
612320	L	THICK	20	40	30
612320	SL	THICK	10	20	15
612335	CL	THICK	20	40	30
612336	C	THICK	20	40	30
612337	CL	THICK	20	40	30
612500	C	THICK	40	60	50
612500	C	THICK	25	40	32.5
612501	C	THICK	40	60	50
612501	C	THICK	25	40	32.5
612502	SIL	THICK	25	40	32.5
612519	SIC	THICK	60	80	70
612520	SIC	THICK	40	60	50
612520	C	THICK	20	40	30
612521	SIL	THICK	40	60	50
612523	SICL	THICK	40	60	50
612524	C	THICK	20	40	30
612529	SIC	THICK	40	60	50
612529	C	THICK	20	40	30
612600	GR-SL	THICK	3	12	7.5
612600	GR-SL	THICK	20	40	30
612600	SL	THICK	10	20	15
612601	GR-SL	THICK	3	12	7.5
612601	GR-SL	THICK	20	40	30
612603	GR-SL	THICK	20	40	30
612603	FSL	THICK	20	40	30
612605	FSL	THIN	10	20	15
612605	GR-SL	THICK	20	40	30
614BoA	L	THICK	20	40	30
614BoB	L	THICK	20	40	30
614BuB	GR-SL	THICK	10	40	25
614BwA	SL	THICK	10	40	25
614CgB2	L	THICK	20	40	30
614CmA	COSL	THICK	40	60	50
614DmC	L	THICK	20	40	30
614LaB	L	THICK	20	40	30
614MaE	STV-SL	THICK	10	20	15

MUID	SURFTEX	PANHA	PANDEPL	PANDEPH	mean pan depth
614OuA	LS	THICK	20	37	28.5
614RtD	GR-SL	THICK	20	40	30
614TsD	STV-SL	THICK	12	20	16
614TtD	STX-SL	THICK	12	20	16
614TuF2	STV-SL	THICK	12	20	16
618131	SICL	THICK	40	60	50
618132	SICL	THICK	40	60	50
618134	SICL	THICK	40	60	50
618183	CL	THIN	40	60	50
618207	GR-L	THICK	20	40	30
618208	GR-L	THICK	20	40	30
618209	GR-L	THICK	20	40	30
618210	GR-L	THICK	20	40	30
618214	L	THICK	20	40	30
618215	L	THICK	20	40	30
618216	L	THICK	20	40	30
618217	L	THICK	20	40	30
620104	C	THICK	20	40	30
620104	L	THICK	20	40	30
620141	L	THICK	20	40	30
620146	L	THICK	20	40	30
620147	L	THICK	20	40	30
620147	L	THIN	10	20	15
620176	GR-L	THICK	20	40	30
620177	GR-L	THICK	20	40	30
620181	SL	THICK	20	40	30
620182	SL	THICK	20	40	30
620195	L	THICK	20	36	28
630102	C	THICK	20	40	30
630157	SL	THICK	20	40	30
630158	C	THICK	40	60	50
630193	SL	THICK	20	40	30
630210	GR-L	THICK	20	40	30
630219	L	THICK	20	40	30
630220	GR-L	THICK	20	40	30
630221	GR-L	THICK	20	40	30
630236	SL	THICK	20	40	30
630237	SL	THICK	20	40	30
630241	SL	THICK	20	40	30
630241	SL	THICK	20	40	30
630266	FSL	THICK	40	60	50
638AvC	COSL	THIN	24	40	32
638CbB	GR-LS	THICK	24	40	32
638CbC	GR-LS	THICK	24	40	32
638CbD	GR-LS	THICK	24	40	32
638CbE	GR-LS	THICK	24	40	32
638CcC	GR-LS	THICK	24	40	32
638CcE	GR-LS	THICK	24	40	32
638CfB	FSL	THICK	20	40	30
638CfC	FSL	THICK	20	40	30
638CfD2	FSL	THICK	20	40	30
638CgC	FSL	THICK	20	40	30
638RdC	GR-L	THICK	20	40	30
638ReE	CB-L	THICK	20	40	30
638RfF	CB-L	THICK	20	40	30
638RhC	GR-L	THICK	20	40	30
638RhE	GR-L	THICK	20	40	30
642200	SL	THICK	40	60	50
644AcA	C	THICK	14	20	17
644CbA	SL	THICK	40	60	50
644ChA	SIL	THICK	40	60	50
644FpA	FSL	THIN	38	40	39
644FrA	FSL	THIN	38	40	39

MUID	SURFTEX	PANHA	PANDEPL	PANDEPH	mean pan depth
644FsA	FSL	THIN	38	40	39
644FtA	SL	THIN	38	40	39
644FuA	SL	THIN	24	36	30
644FvA	SL	THIN	24	36	30
644FwA	FSL	THIN	24	36	30
644FxA	SL	THIN	24	35	29.5
644GvA	SL	THICK	38	54	46
644KeB	CB-CL	THICK	10	20	15
644KgB	GR-CL	THICK	10	20	15
644MaA	L	THICK	20	40	30
644MdA	SL	THICK	20	40	30
644MdB	SL	THICK	20	40	30
644MeA	SL	THICK	20	40	30
644MeA	C	THICK	20	40	30
644PpB	GR-L	THICK	10	20	15
644RcB	CB-L	THICK	20	40	30
644RcC	CB-L	THICK	20	40	30
644RdB	GR-L	THICK	20	40	30
644ReA	SL	THICK	20	40	30
644ReB	SL	THICK	20	40	30
644SaA	SL	THICK	20	40	30
644SaB	SL	THICK	20	40	30
644SmA	SL	THICK	20	40	30
644SmA	SL	THICK	20	40	30
644WrA	SL	THICK	20	40	30
644WrB	SL	THICK	20	40	30
644WrC	SL	THICK	20	40	30
644YkA	L	THICK	24	38	31
644YoA	CL	THICK	24	38	31
645Ad	C	THICK	10	20	15
645Af	C	THICK	20	36	28
645Ag	C	THICK	36	60	48
645An	CB-C	THICK	10	22	16
645Ao	CB-C	THICK	20	40	30
645Ap	GR-C	THICK	20	40	30
645AsB	ST-C	THICK	10	22	16
645At	C	THICK	20	40	30
645At	L	THICK	20	40	30
645Bd	C	THICK	36	60	48
645Bh	CL	THICK	36	60	48
645CyB	GR-L	THICK	20	40	30
645EmB	GRV-LS	THIN	40	60	50
645Kc	CB-L	THICK	24	48	36
645Km	L	THICK	20	40	30
645Kn	CB-L	THICK	20	40	30
645Lm	CL	THICK	36	48	42
645Ln	CB-L	THICK	36	48	42
645Mw	GR-L	THICK	15	32	23.5
645Mx	L	THICK	15	32	23.5
645Mzr	L	THICK	36	60	48
645NmB	ST-L	THICK	20	40	30
645Rh	GR-L	THICK	20	40	30
645Rm	GR-L	THICK	20	40	30
645RnA	GR-L	THICK	20	40	30
645RnB	GR-L	THICK	20	40	30
645Ro	GR-L	THICK	8	12	10
645RpD	GR-L	THICK	20	40	30
645TsB	L	THICK	10	20	15
645TtB	CL	THICK	10	20	15
645TuB	CB-L	THICK	10	20	15
645TvB	CB-L	THICK	20	30	25
645TwB	ST-L	THICK	10	20	15
645TxC	ST-L	THICK	10	20	15

MUID	SURFTEX	PANHA	PANDEPL	PANDEPH	mean pan depth
645Vd	L	THICK	30	50	40
647166	CL	THICK	25	40	32.5
647265	CL	THICK	45	55	50
647266	CL	THICK	45	55	50
648AaA	C	THICK	12	24	18
648AdA	LS	THICK	40	60	50
648AgA	LS	THICK	40	60	50
648AgB	LS	THICK	40	60	50
648CbA	L	THICK	40	60	50
648FfA	SICL	THIN	20	36	28
648FgA	SICL	THIN	20	36	28
648FkA	SICL	THIN	20	36	28
648FmA	L	THIN	20	36	28
648FnA	L	THIN	20	36	28
648FoA	L	THIN	20	36	28
648FpA	L	THIN	20	36	28
648FrA	L	THIN	20	36	28
648FsA	L	THIN	20	36	28
648GeA	SL	THICK	40	60	50
648GfA	L	THICK	40	60	50
648GfB	SL	THICK	40	60	50
648GfB3	SL	THICK	40	60	50
648HuA	SIL	THICK	40	60	50
648HxA	SICL	THICK	40	60	50
648KaB	GR-CL	THICK	10	20	15
648KbB	GR-L	THICK	10	20	15
648KbC	GR-L	THICK	10	20	15
648KcB	GR-L	THICK	10	20	15
648LgA	CL	THIN	20	40	30
648LhA	CL	THIN	20	40	30
648LkA	L	THIN	20	40	30
648LmA	L	THIN	20	40	30
648LnA	L	THIN	20	40	30
648LoA	SICL	THIN	20	40	30
648LpA	SICL	THIN	20	40	30
648LrA	SICL	THIN	20	40	30
648MaA	FSL	THICK	20	40	30
648MbA	L	THICK	20	40	30
648McA	L	THICK	20	40	30
648MdA	SL	THICK	20	40	30
648MdB	SL	THICK	20	40	30
648MgA	SICL	THICK	40	60	50
648PcA	FSL	THICK	42	60	51
648PfA	SL	THICK	42	60	51
648PgA	SL	THICK	42	60	51
648PxA	CL	THIN	20	30	25
648PyA	CL	THIN	20	30	25
648PzA	CL	THIN	20	30	25
648RcB	CB-L	THICK	20	40	30
648RdA	GR-L	THICK	20	40	30
648ReB	GR-L	THICK	20	40	30
648ReD	GR-L	THICK	20	40	30
648RgA	L	THICK	20	40	30
648RgB	L	THICK	20	40	30
648RgC	L	THICK	20	40	30
648RkA	SL	THICK	20	40	30
648RkB	SL	THICK	20	40	30
648RkB2	SL	THICK	20	40	30
648RkC2	SL	THICK	20	40	30
648SbA	L	THICK	20	40	30
648SbB	L	THICK	20	40	30
648ScA	SL	THICK	20	40	30
648ScB	SL	THICK	20	40	30

MUID	SURFTEX	PANHA	PANDEPL	PANDEPH	mean pan depth
648SdA	SL	THICK	20	40	30
648SdA	C	THICK	12	24	18
648SgA	C	THICK	20	40	30
648SgB	C	THICK	20	40	30
648SmA	SL	THICK	40	60	50
648WmB2	SL	THICK	20	40	30
648WmC2	SL	THICK	20	40	30
648WnA	CL	THICK	40	60	50
648WpA	L	THICK	40	60	50
648WsA	L	THICK	40	60	50
648YaA	CL	THICK	10	20	15
648YbA	CL	THICK	10	20	15
648YcA	L	THICK	10	20	15
648YcB	L	THICK	10	20	15
648YeA	L	THICK	40	60	50
649RaD	GR-L	THICK	14	30	22
649ScB	L	THICK	14	27	20.5
651AsA	C	THICK	20	40	30
651AwA	LS	THICK	40	60	50
651AwB	LS	THICK	40	60	50
651BuA	FSL	THIN	20	40	30
651BvA	FSL	THIN	20	40	30
651ByA	FSL	THIN	20	40	30
651BzA	L	THIN	20	40	30
651CdaA	SL	THIN	10	20	15
651CmdA	FSL	THICK	40	60	50
651DfA	S	THICK	40	60	50
651DpA	FSL	THIN	20	40	30
651DsA	FSL	THIN	20	40	30
651DtA	L	THIN	20	40	30
651DuA	L	THIN	20	40	30
651EdA	FSL	THIN	20	40	30
651FeaA	FSL	THIN	10	20	15
651FeaA	FSL	THIN	20	40	30
651FebA	FSL	THIN	10	20	15
651FebA	FSL	THIN	20	40	30
651FecA	FSL	THIN	10	20	15
651FecA	FSL	THIN	20	40	30
651FfaA	L	THIN	10	20	15
651FfaA	L	THIN	20	40	30
651FfbA	L	THIN	10	20	15
651FfbA	L	THIN	20	40	30
651FfcA	L	THIN	10	20	15
651FfcA	L	THIN	20	40	30
651FgaA	FSL	THIN	10	20	15
651FgaA	FSL	THIN	20	40	30
651FgbA	FSL	THIN	10	20	15
651FgbA	FSL	THIN	20	40	30
651FhbA	FSL	THIN	10	20	15
651FhbA	FSL	THIN	20	40	30
651FhbA	L	THIN	20	40	30
651FhcA	FSL	THIN	10	20	15
651FhcA	FSL	THIN	20	40	30
651FhcA	L	THIN	20	40	30
651FkaA	FSL	THIN	10	20	15
651FkaA	FSL	THIN	20	40	30
651FkaA	L	THIN	20	30	25
651FkbA	FSL	THIN	10	20	15
651FkbA	FSL	THIN	20	40	30
651FkbA	L	THIN	20	30	25
651GfA	FSL	THICK	40	60	50
651GhA	FSL	THICK	40	60	50
651GkA	FSL	THICK	40	60	50

MUID	SURFTEX	PANHA	PANDEPL	PANDEPH	mean pan depth
651GvA	SL	THICK	40	60	50
651GvB	SL	THICK	40	60	50
651HbA	FSL	THICK	20	40	30
651HgA	SL	THICK	20	40	30
651HnB	SL	THICK	10	20	15
651JeA	GR-CL	THICK	20	30	25
651JgB	GR-CL	THICK	20	30	25
651JyA	GR-CL	THICK	20	30	25
651LeA	L	THIN	20	40	30
651LwA	L	THIN	20	40	30
651MaA	FSL	THICK	20	40	30
651MbA	L	THICK	20	40	30
651McA	FSL	THICK	20	40	30
651McA	C	THICK	20	40	30
651MdA	FSL	THICK	20	40	30
651MdA	FSL	THIN	20	40	30
651PeA	SL	THICK	20	40	30
651PhA	CL	THIN	20	30	25
651PkA	CL	THIN	20	30	25
651PmA	CL	THIN	20	30	25
651PnA	CL	THIN	20	30	25
651PoA	L	THIN	20	30	25
651PsA	L	THIN	20	30	25
651PtA	L	THIN	20	30	25
651PvA	L	THIN	20	30	25
651RdA	GR-L	THICK	20	40	30
651RdC	GR-L	THICK	20	40	30
651RfC	GR-SL	THICK	20	40	30
651RgC	GR-L	THICK	20	40	30
651RmB	SL	THICK	20	40	30
651RmD	SL	THICK	20	40	30
651SaA	SL	THICK	10	20	15
651SbA	SL	THICK	10	20	15
651SbA	C	THICK	20	40	30
651ScB	SL	THICK	10	20	15
651TsA	FSL	THIN	10	20	15
651TsA	FSL	THIN	20	40	30
651TtA	FSL	THIN	10	20	15
651TtA	FSL	THIN	20	40	30
651TxA	LS	THIN	40	60	50
651WoC	SL	THICK	20	40	30
651WrB	SL	THICK	20	40	30
651WrC	SL	THICK	20	40	30
651WtB	FSL	THICK	20	40	30
653718	L	THIN	20	60	40
653719	L	THIN	20	60	40
653752	L	THICK	10	20	15
653752	L	THIN	20	60	40
653753	L	THICK	10	20	15
653753	L	THIN	20	60	40
654An	C	THICK	20	40	30
654ApA	LS	THICK	40	60	50
654AtA	SL	THICK	40	60	50
654CzcB	SL	THICK	20	40	30
654Ec	SL	THIN	20	40	30
654Ed	FSL	THIN	20	40	30
654Ep	L	THIN	20	40	30
654Es	SL	THICK	20	40	30
654Et	SL	THICK	20	40	30
654Ex	L	THICK	20	40	30
654Fr	L	THICK	20	40	30
654Fs	SL	THIN	20	36	28
654Ft	SL	THIN	10	20	15

MUID	SURFTEX	PANHA	PANDEPL	PANDEPH	mean pan depth
654Fu	FSL	THIN	20	36	28
654Fv	FSL	THIN	10	20	15
654Fw	CL	THIN	10	20	15
654Fx	FSL	THIN	20	36	28
654Fx	FSL	THICK	20	40	30
654Gn	FSL	THICK	20	40	30
654Go	FSL	THICK	20	40	30
654GuA	SL	THICK	20	40	30
654Hb	COSL	THICK	20	40	30
654Hk	SL	THICK	20	40	30
654Hr	FSL	THICK	20	40	30
654HzA	FSL	THICK	20	40	30
654KmC	CB-CL	THICK	10	20	15
654LnB	L	THICK	40	60	50
654Ma	SL	THICK	20	40	30
654Mc	L	THICK	20	40	30
654Md	L	THICK	20	40	30
654Me	L	THICK	20	40	30
654PpC	SL	THICK	20	40	30
654Rb	SL	THICK	40	60	50
654Re	L	THICK	40	60	50
654RfC	GR-L	THICK	20	40	30
654RgB	GR-L	THICK	8	12	10
654RkB	SL	THICK	20	40	30
654RlD	SL	THICK	10	20	15
654ScA	SL	THICK	20	40	30
654SdA	SL	THICK	10	20	15
654SdB	SL	THICK	10	20	15
654SeA	L	THICK	20	40	30
654SfA	L	THICK	20	40	30
654SgA	L	THICK	20	40	30
654SgB	L	THICK	20	40	30
654ShB	L	THICK	20	40	30
654ShB	C	THICK	20	40	30
654YhA	L	THICK	10	20	15
654YhB	L	THICK	10	20	15
654YkA	L	THICK	20	40	30
654YkB	L	THICK	20	40	30
654YlB	GR-L	THICK	10	20	15
654YmA	CL	THICK	20	40	30
659103	SL	THICK	40	60	50
659103	L	THICK	20	40	30
659105	SL	THICK	20	40	30
659105	SL	THICK	20	40	30
659109	L	THICK	40	60	50
659109	L	THICK	20	40	30
659114	L	THICK	20	40	30
659115	L	THICK	20	40	30
659116	L	THICK	40	60	50
659132	SIC	THICK	40	60	50
659132	SICL	THIN	20	40	30
659133	SIL	THICK	10	20	15
659135	L	THICK	20	40	30
659136	C	THICK	20	40	30
659144	L	THICK	8	20	14
660124	L	THICK	20	40	30
660125	L	THICK	20	40	30
660145	CL	THIN	20	40	30
660154	L	THICK	20	40	30
660155	L	THICK	20	40	30
660159	C	THICK	20	40	30
665120	L	THICK	10	20	15
665121	L	THICK	10	20	15

MUID	SURFTEX	PANHA	PANDEPL	PANDEPH	mean pan depth
666137	L	THICK	8	20	14
666145	COSL	THIN	20	40	30
666154	SL	THIN	20	40	30
666155	SL	THIN	20	40	30
666158	SIL	THIN	42	60	51
666165	L	THICK	20	40	30
666225	SL	THICK	8	20	14
666226	SL	THICK	8	20	14
667460	L	THICK	10	20	15
668159	COS	THIN	40	60	50
668196	SL	THICK	20	40	30
668199	SL	THICK	20	40	30
668211	S	THICK	40	60	50
668221	LCOS	THICK	10	20	15
668290	LCOS	THICK	10	20	15
668292	S	THICK	40	60	50
669132	SL	THICK	8	20	14
669133	SL	THICK	8	20	14
669134	SL	THICK	8	20	14
670100	SL	THIN	10	20	15
670112	VAR	THIN	12	30	21
670150	SL	THICK	8	20	14
670151	SL	THICK	8	20	14
671120	L	THICK	14	20	17
671151	SL	THICK	6	14	10
671151	SL	THICK	20	40	30
672BmA	LS	THIN	20	40	30
672BmA3	LS	THIN	20	40	30
672BmC	LS	THIN	20	40	30
672NvA	S	THICK	30	60	45
672NvC	S	THICK	30	60	45
674ChD2	SL	THICK	20	40	30
674CkE3	SL	THICK	20	40	30
675Su	LFS	THICK	20	40	30
675Sv	SL	THICK	20	40	30
675Sw	SL	THICK	20	40	30
675Sx	L	THICK	20	40	30
675Sy	L	THICK	20	40	30
677MoC	SL	THICK	30	45	37.5
678137	LS	THICK	20	40	30
678138	LS	THICK	20	40	30
679AnC	FSL	THIN	24	40	32
679AnD	FSL	THIN	24	40	32
679AoA	FSL	THIN	40	60	50
679AoC	FSL	THIN	40	60	50
679AoD	FSL	THIN	40	60	50
679ApB	L	THIN	24	40	32
679ArB	L	THIN	40	60	50
679ArD	L	THIN	40	60	50
679AtC2	FSL	THIN	24	40	32
679AtD2	FSL	THIN	24	40	32
679AtF3	FSL	THIN	24	40	32
679BhA	L	THIN	40	60	50
679BhC	L	THIN	40	60	50
679BkC2	SIL	THIN	40	60	50
679BsC2	SL	THIN	40	60	50
679BsD2	SL	THIN	40	60	50
679BsE3	SL	THIN	40	60	50
679BtD2	ST-SL	THIN	40	60	50
679BtE3	ST-SL	THIN	40	60	50
679BuC2	FSL	THIN	37	40	38.5
679BuD2	FSL	THIN	37	40	38.5
679BvD3	L	THIN	37	40	38.5

MUID	SURFTEX	PANHA	PANDEPL	PANDEPH	mean pan depth
679BxC2	L	THIN	37	40	38.5
679Ds2	FSL	THIN	20	40	30
679Dt	FSL	THIN	20	40	30
679Du	SIL	THIN	20	40	30
679Dv	SIL	THIN	20	40	30
679Dw	SIL	THIN	20	40	30
679EnA	SL	THICK	20	40	30
679EnC2	SL	THICK	20	40	30
679EoB	SL	THICK	20	40	30
679EpA	SL	THICK	40	60	50
679EpC2	SL	THICK	40	60	50
679EwB	VFSL	THICK	20	40	30
679EyB	FSL	THICK	40	60	50
679MaA	FSL	THICK	20	40	30
679MaB2	FSL	THICK	20	40	30
679MaD2	FSL	THICK	20	40	30
679MbC2	FSL	THICK	20	40	30
679MmB	SL	THICK	20	40	30
679MmC2	SL	THICK	20	40	30
679MmD2	SL	THICK	20	40	30
679MmE3	SL	THICK	20	40	30
679MnD2	SL	THICK	10	20	15
679MnE3	SL	THICK	10	20	15
679RmE3	SL	THIN	37	40	38.5
679RnD2	L	THIN	37	40	38.5
679RnE3	L	THIN	37	40	38.5
679YbC	L	THIN	10	20	15
679YbD2	L	THIN	10	20	15
679YbE3	L	THIN	10	20	15
679YkE2	CB-L	THIN	10	20	15
679YrD2	VFSL	THICK	20	40	30
679YsC2	GR-VFSL	THICK	20	40	30
679YsE2	GR-VFSL	THICK	20	40	30
679YsE3	GR-VFSL	THICK	20	40	30
684110	SL	THICK	20	40	30
684116	SCL	THICK	20	40	30
684130	SIL	THICK	20	40	30
684130	L	THICK	20	40	30
684131	SIL	THICK	20	40	30
684131	VFSL	THICK	14	20	17
684132	SIL	THICK	20	40	30
684132	VFSL	THICK	14	20	17
684132	L	THICK	20	40	30
684137	SL	THICK	20	40	30
684149	L	THICK	20	40	30
684150	L	THICK	20	40	30
684153	GR-SL	THICK	10	20	15
684156	SIL	THICK	14	20	17
684160	LFS	THICK	10	20	15
684161	LFS	THICK	20	40	30
684162	LS	THICK	20	40	30
684163	CL	THICK	12	20	16
684164	SL	THIN	25	40	32.5
684165	SL	THIN	25	40	32.5
684167	CB-L	THICK	20	40	30
684167	CL	THICK	40	60	50
685DaA	L	THICK	15	28	21.5
685DbB	L	THICK	15	28	21.5
685EB	GR-SL	THICK	8	14	11
685EM	GR-SL	THICK	8	14	11
685EP	GR-SL	THICK	8	14	11
685EP	GR-FSL	THICK	15	20	17.5
685Ef	GR-SL	THICK	8	14	11

MUID	SURFTEX	PANHA	PANDEPL	PANDEPH	mean pan depth
685Ef	GR-FSL	THICK	18	30	24
685OS	FSL	THICK	10	20	15
685PH	GR-FSL	THICK	15	20	17.5
685PH	GR-SL	THICK	8	14	11
685PM	GR-FSL	THICK	15	20	17.5
685PgC	GR-FSL	THICK	15	20	17.5
685SyB2	FSL	THICK	10	18	14
685VP	FSL	THIN	10	20	15
685VY	FSL	THIN	10	20	15
694108	LS	THICK	12	20	16
694212	SL	THICK	20	40	30
694213	SL	THICK	20	40	30
894 rows	selected.				

Appendix 2

Soils Vulnerable to Pesticide Leaching

Soils Vulnerable to Pesticide Leaching

By
Roberto R. Teso (April 1996)

Edited July 2000 by
Frank Spurlock, John Troiano,
Joe Marade, and Don Weaver

Background

Areas of the United States that are vulnerable to leaching of pesticides have been examined in order to identify common hydrogeologic properties. One property common to many areas is 'coarse-textured' soil. Pesticide contamination of ground water has been found in sandy soil areas of Long Island, Florida, Wisconsin, Nebraska, Oregon, and California. As a result, pesticide labels contain warning statements to alert the user to soil and other conditions that enhance the potential for leaching.

One example of a warning statement follows:

> (Pesticide) can travel (seep or leach) through soil and can enter ground water which may be used as drinking water. (Pesticide) has been found in ground water. Users are advised not to apply (Pesticide) to coarse (sand and loamy sand) soils where the ground water table is close to the surface and where these soils are very permeable, i.e. well-drained.

Although environmental warning statements on labels provide a general description of the qualities of a leaching-vulnerable soil, the application to field situations is unclear. Application rates of many soil-applied pesticides are adjusted according to texture and organic carbon content of soils to ensure efficacy. These considerations, however, usually only apply to upper layers of soil at depths down to 6 inches. When identifying a soil as vulnerable to leaching, the soil profile deeper than 6 inches should also be considered. For example, a soil may be designated as a loamy sand in the surface layer but the subsurface soil may be finer-textured resulting in low permeability.

Soil permeability is another general term used in environmental hazard statements that needs further clarification. While most "coarse" soils have relatively high permeability, soil textures finer than sands, loamy sands and sandy loams can also be "very permeable". The reason for this is that soil permeability is affected by many soil characteristics in addition to texture, such as soil structure, aggregate stability and orientation, compaction and the soluble salt and organic material content.

In order to provide guidance in the interpretation of label language, a definition for "high leaching-risk soil" has been derived to provide parameters for coarseness and permeability of soils as related to leaching potential. This definition in combination with the identification and location of Pesticide Mangement Zones (PMZs) has been used to provide maps for the location of coarse soils and to provide tables containing names of coarse soils.

Identification of "High Leaching-Risk Soil"

In order to identify coarse soils with respect to leaching, we define "High Leaching-Risk soils" as:

> *A "High Leaching-Risk Soil" is a soil that has a Particle Size Class of coarse-loamy or coarser and contains no soil layer in which the estimated soil permeability class is less than 2.0-6.0 inches per hour.*

Based on the parameter for soil coarseness and permeability in this definition, maps can be developed delineating areas where soils are vulnerable to leaching (Figures 1 and 2). The first example is a map depicting locations of current and proposed PMZ sections in the area of Fresno County bounded on the east by the National Forest Boundary Line and the west by the Fresno Slough (Figure 1). Figure 1 also spatially identifies areas containing "High Leaching-Risk Soils" (HLRS) and further identifies those HLRS areas where the water table lies within 6 feet of the soil surface during most years. The second example is a geographically correct map showing locations and boundaries of PMZs and the actual locations of HLRS within those boundaries (Figure 2). In addition, lists of coarse soils identified at the soil series or soil map unit taxonomic level have been produced (Tables 1 and 2). Table 1 identifies by county the names of coarse soils occurring in current and proposed PMZs. Table 2 lists the names of coarse soils in each PMZ as identified by its Township-Range-Section coordinates. This information has been extracted from soil survey reports and maps for Eastern Fresno County and from the California Soil Map Unit Inventory (CSMUI) developed by DPR in cooperation with the Soil Science Department at Cal-Poly, San Luis Obispo. Some road system information has been included to help orient the PCA and establish the approximate locations of PMZs.

Conclusions

Environmental hazard statements on pesticide labels may give warnings about properties of soils that make them vulnerable to pesticide leaching. The descriptions, however, are general and they are usually insufficient for determining specific vulnerable soils. A definition of "High Leaching-Risk Soils" has been derived to further define the properties of coarseness and permeability of vulnerable soils. Based on this definition and on the location of current and proposed PMZs, maps are available that delineate areas vulnerable to leaching. In addition, list are available that name coarse soils within vulnerable areas. **At minimum, the lowest rates of application are recommended for these soils**. Additional restrictions may be indicated on the label.

Additional Reference

<u>Definitions</u>

Particle Size Classes: Particle Size Class refers to the grain-size distribution of the whole soil (includes rock fragments) and is not the same as texture, which refers to the fine-earth fraction (sand, silt and clay) only. Depending on the soil subgroups or families being described, there are 7 or 11 classes recognized. The 7 class system includes the following classes: fragmental, sandy-skeletal, loamy-skeletal, clayey-skeletal, sandy, loamy, and clayey. In the 11 class system, the 7 class loamy category is replaced by the following classes: coarse-loamy,

fine-loamy, coarse-silty, and fine-silty. In addition, the 7 class clayey category is replaced by the 2 classes: fine and very-fine.

Permeability: Soil permeability is the quality of the soil that enables water or air to move through it. Accepted as a measure of this quality is the rate at which soil transmits water while saturated, expressed in inches per hour. That rate is the "saturated hydraulic conductivity" of soil physics. Soil scientists are in the process of converting to "hydraulic conductivity" terminology. There are seven recognized classes of permeability ratings and six classes of "hydraulic conductivity".

Permeability Class	Inches Per Hr	Hydraulic Conductivity Class	Um/s	Inches Per Hour
Very slow	<0.06	Very slow	<0.01	<0.001
Slow	0.06 – 0.2	Low	0.01 – 0.1	0.001 – 0.01
Moderately slow	0.2 – 0.6	Moderately low	0.1 – 1.0	0.01 – 0.14
Moderate	0.6 – 2.0	Moderate	1 - 10	0.14 – 1.4
Moderately rapid	2.0 – 6.0	High	10 – 100	1.4 - 14
Rapid	6.0 – 20.0	Very High	>100	>14
Very rapid	> 20.0			

Soil Maps

The Soil Conservation Service (SCS) and other cooperative agencies use Soil Taxonomy as the basis for classifying new soils and identifying soils on landscapes. Information gathered in field studies is transferred to maps and other reference materials found in soil survey reports and investigations. The amount of detail that can be described on a soils map is related to the scale of the map. Most county or partial county surveys are drawn at 1:24,000 scale.

Soil map units, the closed irregular figures delineated on soil maps, represent an efficient method for conveying information about the nature of the soils on the landscape through maps. A soil map unit is usually assigned the name of the dominant (most frequently found) soil series in the map unit, the common surface texture associated with the map unit, a slope assignment (%) and frequently, other distinguishing or important characteristics (Hanford sandy loam, 0-2%, shallow). Some minor areas of soils other than that specified in the soil map unit name can be present within a delineated polygon and are called inclusions. In general, inclusions are limited to no more than 20% of the area encompassed by a mapping polygon. At the 1:24,000 scale of mapping, inclusions consist of undelineated areas 5 to 10 acres or less in size within a mapping polygon.

Descriptions of the soil map units and information on soil inclusions can be found in the soil survey report accompanying the maps. Survey reports also supply information on the potential use of a soil map unit for various human activities including playgrounds, other types of recreation, engineering qualities for structures, etc. Additional information on the physical and chemical characteristics of the map unit can also be found. Frequently 4-5 layers are described to a total depth of 48-60+ inches. This information is compiled from Soils Information Records developed by the SCS in the process of defining the soil map units. Permeability ratings are assigned to each map unit based on the characteristics listed above and on studies which have been conducted over the years that have evaluated the relative effects of these characteristics on soil permeability.

FIGURE 1.

High Leaching-Risk Soils
Eastern Fresno Soil Survey Area

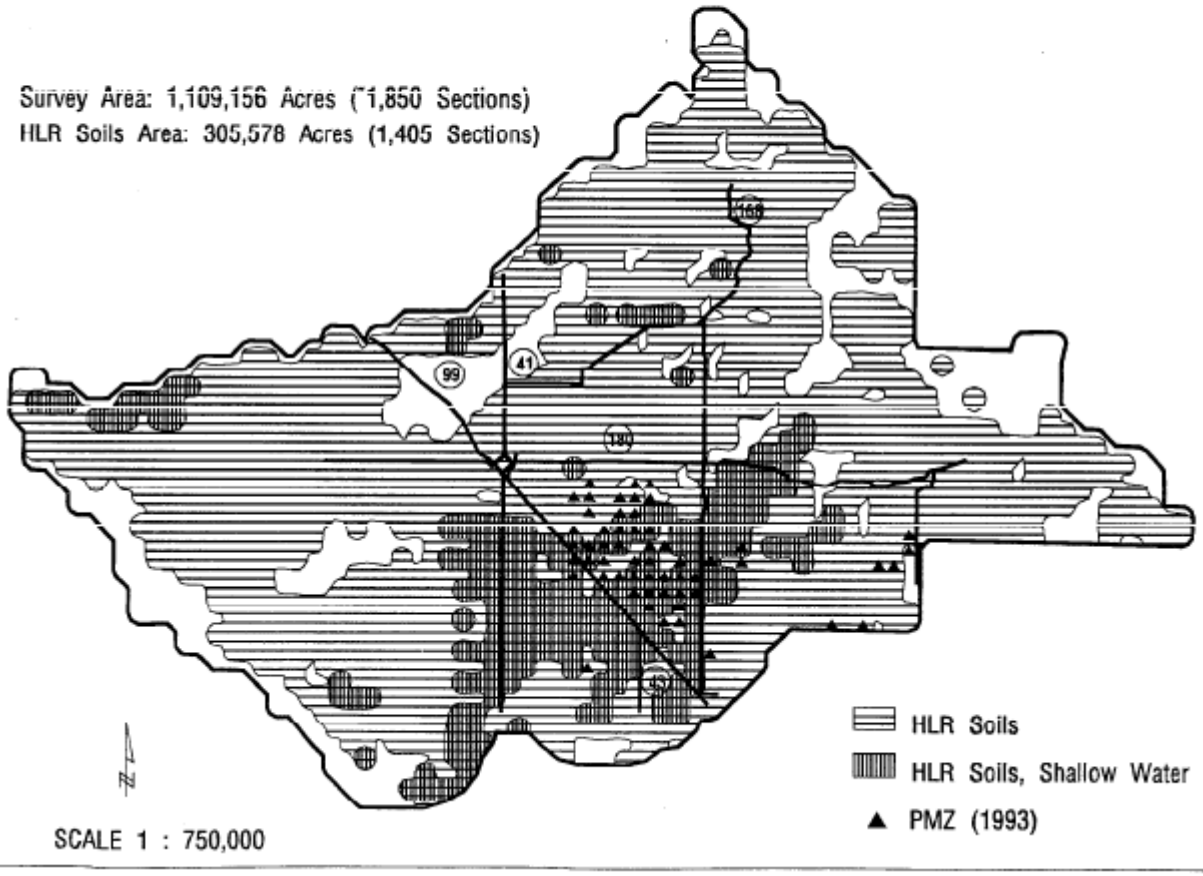
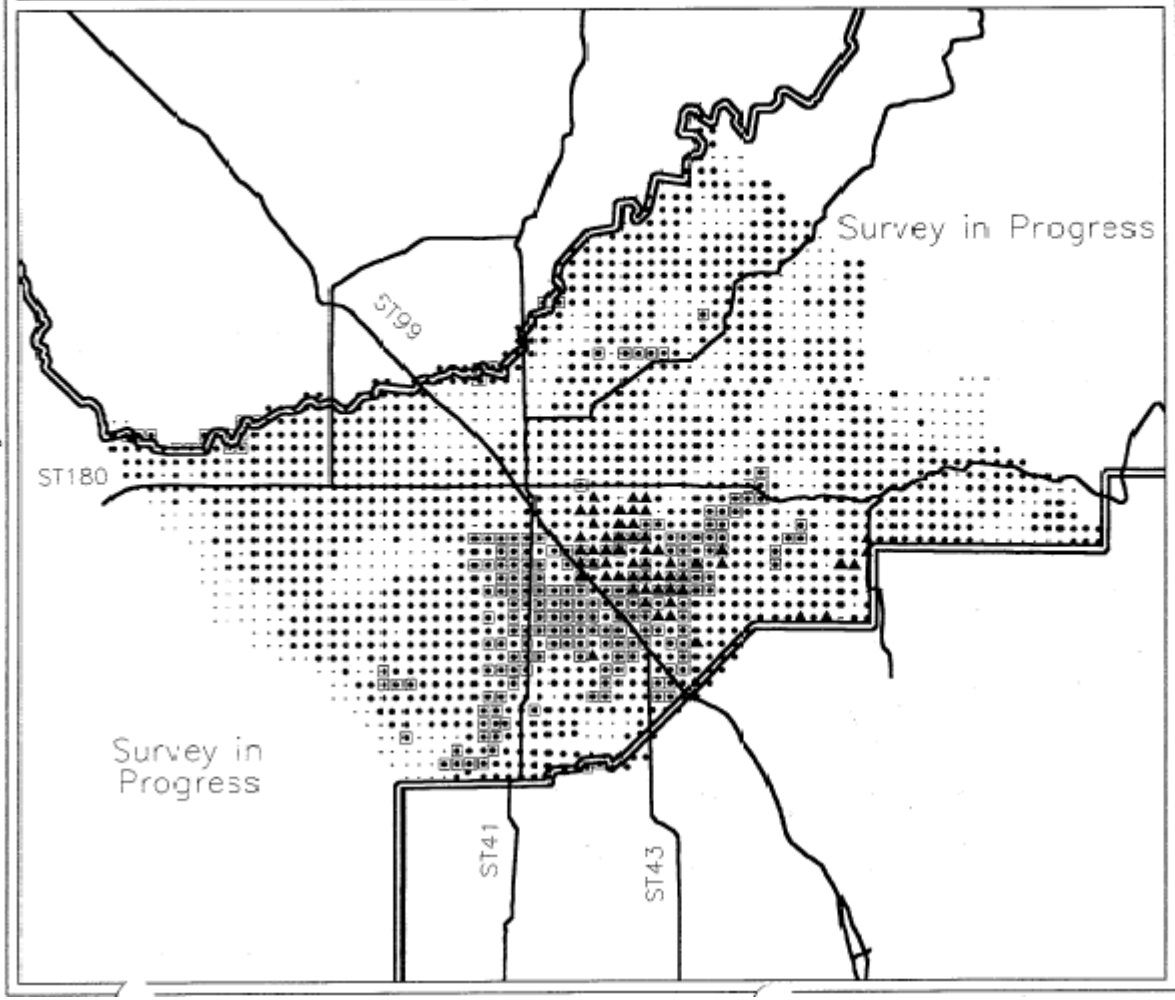


FIGURE 2.

High Leaching-Risk Soils

Eastern Fresno Soil Survey Area



Map Symbols

- County_Line
- State_Highways
- HLRS_Sections
- PMZ_Sections
- Shallow_H20
- Survey_Sections

Survey Area
1,109,156 Acres
~850 Sections

HLRS_Soil Area
305,578 Acres
1405 Sections

Percent HLRS_Soils in Survey Area
27.6 %

Miles
0 10 20

Table 1. Current list of PMZ coarse soils that are defined as 'High Leaching-Risk Soils'.

County	Soil Series Name	Mapping Unit Symbol or Number
Fresno	Atwater	AoA
		AoB
		ArA
	Delhi	DeA
		DeB
		DhA
		DhB
	Dello	Dm
	Grangeville	Gg
		Gf
		Gp
	Hanford	Ha
		Hc
		Hd
		He
		Hm
	Tujunga	TzbA
		TzbB
	Vista	VfC
		VmD
Merced	Atwater	AfA
		AnB
	Delhi	DcA
		DfA
Orange	Hueneme	158
	San Emigdio	194
		195
Riverside	Gorgonio	GhC
	Hanford	HcC
		HcD2
		HgA
	San Emigdio	SeC2
		SfA
	Vista	VsD2
		VsF2
Stanislaus	Dello	DkA
	Hanford	HdB
	Tujunga	TuA
		TvA

Table 1 Continued. Current list of PMZ coarse soils that are defined as 'High Leaching-Risk Soils'.

County	Soil Series Name	Mapping Unit Symbol or Number
Tulare	Grangeville	131
	Greenfield	132
		133
	Honcut	139
		140
	San Emigdio	153
	Tujunga	164
	Vista	165
		166
		168
	Yettem	176
	Walong	171

Table 2. Identification of "High Leaching-Risk Soils" occurring in PMZs.

SECTION (T-R-S)	MAP UNIT SYMBOL	SOIL SERIES (DOMINANT)
**********		
Fresno County		
**********		
M14S21E16	ARA	ATWATER
M14S21E16	DHA	DELHI
M14S21E16	HC	HANFORD
M14S21E20	DHA	DELHI
M14S21E20	HC	HANFORD
M14S21E20	HD	HANFORD
M14S21E20	TZBA	TUJUNGA
M14S21E21	HC	HANFORD
M14S21E21	HM	HANFORD
M14S21E23	HC	HANFORD
M14S21E24	HC	HANFORD
M14S21E25	DHA	DELHI
M14S21E25	HC	HANFORD
M14S21E25	HM	HANFORD
M14S21E26	DHA	DELHI
M14S21E26	HC	HANFORD
M14S21E28	DHA	DELHI
M14S21E28	HC	HANFORD
M14S21E28	HM	HANFORD
M14S21E32	DHA	DELHI
M14S21E32	HC	HANFORD
M14S21E34	DEA	DELHI
M14S21E34	DHA	DELHI
M14S21E34	DHB	DELHI
M14S21E34	HC	HANFORD
M14S21E35	DEA	DELHI
M14S21E35	DEB	DELHI
M14S21E35	DHA	DELHI
M14S21E35	DHB	DELHI
M14S21E35	DM	DELLO
M14S21E35	HC	HANFORD
M14S21E36	DEA	DELHI
M14S21E36	DEB	DELHI
M14S21E36	DHA	DELHI
M14S21E36	DHB	DELHI
M14S21E36	DM	DELLO
M14S21E36	HC	HANFORD
M14S21E36	HM	HANFORD
M14S22E31	DEA	DELHI
M14S22E31	DEB	DELHI
M14S22E31	DHA	DELHI
M14S22E31	DHB	DELHI
M14S22E31	DM	DELLO
M14S22E31	HC	HANFORD
M14S22E31	HM	HANFORD
M14S22E31	TZBA	TUJUNGA
M14S24E36	VFC	VISTA
M15S21E02	DEA	DELHI
M15S21E02	DEB	DELHI
M15S21E02	DHA	DELHI
M15S21E02	DHB	DELHI
M15S21E02	DM	DELLO
M15S21E02	HC	HANFORD
M15S21E03	DEA	DELHI
M15S21E03	DEB	DELHI
M15S21E03	DHA	DELHI
M15S21E03	DHB	DELHI
M15S21E03	DM	DELLO
M15S21E03	HC	HANFORD
M15S21E04	DEA	DELHI
M15S21E04	DHA	DELHI
M15S21E04	DHB	DELHI
M15S21E04	HC	HANFORD
M15S21E05	DEA	DELHI
M15S21E05	DHA	DELHI
M15S21E05	DHB	DELHI
M15S21E05	DM	DELLO
M15S21E05	HC	HANFORD
M15S21E08	DEA	DELHI
M15S21E08	DHA	DELHI
M15S21E08	DHB	DELHI
M15S21E08	DM	DELLO
M15S21E08	HC	HANFORD
M15S21E09	DHA	DELHI
M15S21E09	DHB	DELHI
M15S21E09	DM	DELLO
M15S21E09	HC	HANFORD
M15S21E10	DHA	DELHI
M15S21E10	HC	HANFORD
M15S21E10	HM	HANFORD
M15S21E12	DHA	DELHI
M15S21E12	DHB	DELHI
M15S21E12	HC	HANFORD
M15S21E12	HM	HANFORD
M15S21E12	TZBB	TUJUNGA
M15S21E13	DEA	DELHI
M15S21E13	DHB	DELHI
M15S21E13	DM	DELLO
M15S21E13	HC	HANFORD
M15S21E13	HM	HANFORD
M15S21E13	TZBA	TUJUNGA
M15S21E13	TZBB	TUJUNGA
M15S21E14	HC	HANFORD
M15S21E14	HM	HANFORD
M15S21E14	TZBA	TUJUNGA
M15S21E14	TZBB	TUJUNGA
M15S21E15	DHA	DELHI
M15S21E15	DHB	DELHI
M15S21E15	HC	HANFORD
M15S21E15	HM	HANFORD
M15S21E15	TZBA	TUJUNGA
M15S21E17	DEA	DELHI
M15S21E17	DHA	DELHI
M15S21E17	DHB	DELHI
M15S21E17	DM	DELLO
M15S21E17	HC	HANFORD
M15S21E24	DEB	DELHI
M15S21E24	DHA	DELHI
M15S21E24	DHB	DELHI
M15S21E24	DM	DELLO
M15S21E24	GD	GRANGEVILLE
M15S21E24	HC	HANFORD
M15S21E24	HM	HANFORD
M15S21E24	TZBA	TUJUNGA
M15S22E05	DHA	DELHI
M15S22E05	DHB	DELHI
M15S22E05	HC	HANFORD
M15S22E05	HD	HANFORD
M15S22E05	HM	HANFORD
M15S22E05	TZBB	TUJUNGA
M15S22E06	HC	HANFORD
M15S22E06	HM	HANFORD
M15S22E06	TZBB	TUJUNGA
M15S22E07	DHA	DELHI
M15S22E07	DHB	DELHI
M15S22E07	DM	DELLO
M15S22E07	HC	HANFORD
M15S22E07	HM	HANFORD
M15S22E07	TZBA	TUJUNGA
M15S22E09	DEA	DELHI
M15S22E09	DHA	DELHI
M15S22E09	HC	HANFORD
M15S22E09	HM	HANFORD
M15S22E09	TZBA	TUJUNGA
M15S22E11	DEA	DELHI
M15S22E11	DHA	DELHI
M15S22E11	DM	DELLO
M15S22E11	HC	HANFORD
M15S22E11	HM	HANFORD
M15S22E11	TZBA	TUJUNGA
M15S22E11	TZBB	TUJUNGA
M15S22E15	DEA	DELHI
M15S22E15	DHA	DELHI
M15S22E15	DM	DELLO
M15S22E15	HC	HANFORD
M15S22E15	HM	HANFORD
M15S22E15	TZBA	TUJUNGA
M15S22E16	DEA	DELHI
M15S22E16	DHA	DELHI
M15S22E16	DHB	DELHI
M15S22E16	DM	DELLO
M15S22E16	HC	HANFORD
M15S22E16	HM	HANFORD
M15S22E16	TZBA	TUJUNGA
M15S22E17	DHA	DELHI
M15S22E17	HC	HANFORD
M15S22E17	HM	HANFORD
M15S22E17	TZBA	TUJUNGA
M15S22E18	DEA	DELHI
M15S22E18	DEB	DELHI
M15S22E18	DHA	DELHI
M15S22E18	DHB	DELHI
M15S22E18	DM	DELLO
M15S22E18	HC	HANFORD
M15S22E18	HM	HANFORD
M15S22E18	TZBA	TUJUNGA
M15S22E19	DEB	DELHI
M15S22E19	DHA	DELHI
M15S22E19	HC	HANFORD
M15S22E19	HM	HANFORD
M15S22E19	TZBA	TUJUNGA
M15S22E20	DEA	DELHI
M15S22E20	DHA	DELHI
M15S22E20	DHB	DELHI
M15S22E20	DM	DELLO
M15S22E20	HC	HANFORD
M15S22E20	HM	HANFORD
M15S22E20	TZBA	TUJUNGA
M15S22E20	TZBB	TUJUNGA
M15S22E21	DHA	DELHI
M15S22E21	DHB	DELHI
M15S22E21	DM	DELLO
M15S22E21	HC	HANFORD

SECTION (T-R-S)	MAP UNIT SYMBOL	SOIL SERIES (DOMINANT)
M15S22E21	HM	HANFORD
M15S22E21	TZBA	TUJUNGA
M15S22E22	DEB	DELHI
M15S22E22	DM	DELLO
M15S22E22	HC	HANFORD
M15S22E22	HM	HANFORD
M15S22E22	TZBA	TUJUNGA
M15S22E28	DEA	DELHI
M15S22E28	DHA	DELHI
M15S22E28	HC	HANFORD
M15S22E28	HM	HANFORD
M15S22E28	TZBA	TUJUNGA
M15S22E30	DEA	DELHI
M15S22E30	DHA	DELHI
M15S22E30	DHB	DELHI
M15S22E30	DM	DELLO
M15S22E30	HC	HANFORD
M15S22E30	HM	HANFORD
M15S22E30	TZBA	TUJUNGA
M15S22E30	TZBB	TUJUNGA
M15S22E32	DEA	DELHI
M15S22E32	DHA	DELHI
M15S22E32	HC	HANFORD
M15S22E32	HM	HANFORD
M15S22E32	TZBA	TUJUNGA
M15S22E33	DHA	DELHI
M15S22E33	HC	HANFORD
M15S22E33	HM	HANFORD
M15S22E33	TZBA	TUJUNGA
M15S23E06	DN	DELLO
M15S23E06	GF	GRANGEVILLE
M15S23E06	GP	GRANGEVILLE
M15S23E06	HC	HANFORD
M15S23E06	HM	HANFORD
M15S23E06	TZAA	TUJUNGA
M15S23E06	TZBA	TUJUNGA
M15S23E07	GF	GRANGEVILLE
M15S23E07	HC	HANFORD
M15S23E07	HD	HANFORD
M15S23E07	HM	HANFORD
M15S23E07	TZBA	TUJUNGA
M15S24E10	AOA	ATWATER
M15S24E10	AOB	ATWATER
M15S24E10	ARA	ATWATER
M15S24E10	HC	HANFORD
M15S24E10	TZBA	TUJUNGA
M15S24E11	AOA	ATWATER

SECTION (T-R-S)	MAP UNIT SYMBOL	SOIL SERIES (DOMINANT)
M15S24E11	ARA	ATWATER
M15S24E11	HA	HANFORD
M15S24E11	HC	HANFORD
M15S24E11	VMD	VISTA
M15S24E31	AOA	ATWATER
M15S24E31	ARA	ATWATER
M15S24E31	DEA	DELHI
M15S24E31	DHA	DELHI
M15S24E31	HA	HANFORD
M15S24E31	HC	HANFORD
M15S24E31	TZBA	TUJUNGA
M15S24E33	HA	HANFORD
M15S24E33	HF	HANFORD
M15S24E33	TZBA	TUJUNGA
M16S21E16	DEA	DELHI
M16S21E16	DHA	DELHI
M16S21E16	HC	HANFORD
M16S22E11	DEA	DELHI
M16S22E11	DHA	DELHI
M16S22E11	HC	HANFORD
M16S22E11	HM	HANFORD
M16S22E11	TZBA	TUJUNGA
********** Merced County **********		
M06S12E32	AFA	ATWATER
M06S12E32	ANB	ATWATER
M06S12E32	DCA	DELHI
M06S12E32	DFA	DELHI
********** Orange County **********		
S03S09W34	194	SAN EMIGDIO
S04S09W07	194	SAN EMIGDIO
S04S09W18	194	SAN EMIGDIO
S04S09W18	195	SAN EMIGDIO
S04S10W24	158	HUENEME
S04S10W24	194	SAN EMIGDIO

SECTION (T-R-S)	MAP UNIT SYMBOL	SOIL SERIES (DOMINANT)
********** Riverside County **********		
S02S04W07	GHC	GORGONIO
S02S04W07	HCC	HANFORD
S02S04W17	HCC	HANFORD
S02S04W17	HCD2	HANFORD
S02S04W17	VSD2	VISTA
S02S05W12	HCC	HANFORD
S02S05W12	SEC2	SAN EMIGDIO
S02S05W12	SFA	SAN EMIGDIO
S02S05W12	TUB	TUJUNGA
S02S05W12	TVC	TUJUNGA
S03S06W22	GHC	GORGONIO
S03S06W22	HCC	HANFORD
S03S06W22	HCD2	HANFORD
S03S06W22	VSD2	VISTA
S03S06W22	VSF2	VISTA
S03S06W28	HCC	HANFORD
S03S06W28	HGA	HANFORD
S03S06W28	VSD2	VISTA
S03S06W28	VSF2	VISTA
********** Stanislaus County **********		
M04S09E03	TUA	TUJUNGA
M04S09E03	TVA	TUJUNGA
M04S09E10	TUA	TUJUNGA
M04S09E15	TUA	TUJUNGA
M04S09E16	TUA	TUJUNGA
M04S09E20	TUA	TUJUNGA
M04S09E21	HDB	HANFORD
M04S09E21	TUA	TUJUNGA
M04S09E22	DKA	DELLO
M04S09E22	HDB	HANFORD
M04S09E22	TUA	TUJUNGA

SECTION (T-R-S)	MAP UNIT SYMBOL	SOIL SERIES (DOMINANT)
********** Tulare County **********		
M16S25E08	132	GREENFIELD
M16S25E08	139	HONCUT
M16S25E08	164	TUJUNGA
M16S25E18	132	GREENFIELD
M16S25E19	132	GREENFIELD
M16S25E29	164	TUJUNGA
M17S25E12	131	GRANGEVILLE
M17S25E13	131	GRANGEVILLE
M17S25E13	164	TUJUNGA
M17S25E13	176	YETTEM
M17S26E18	131	GRANGEVILLE
M17S26E18	176	YETTEM
M17S26E19	164	TUJUNGA
M17S26E19	176	YETTEM
M17S26E20	176	YETTEM
M17S26E21	176	YETTEM
M17S26E26	153	SAN EMIGDIO
M17S26E26	176	YETTEM
M18S26E01	131	GRANGEVILLE
M18S26E01	153	SAN EMIGDIO
M18S26E01	164	TUJUNGA
M18S26E01	176	YETTEM
M18S26E24	131	GRANGEVILLE
M18S26E24	139	HONCUT
M18S26E25	176	YETTEM
M18S26E36	139	HONCUT
M18S26E36	176	YETTEM
M18S27E08	131	GRANGEVILLE
M18S27E08	164	TUJUNGA
M18S27E08	176	YETTEM
M18S27E09	131	GRANGEVILLE
M18S27E10	133	GREENFIELD
M18S27E10	140	HONCUT
M18S27E10	176	YETTEM

SECTION (T-R-S)	MAP UNIT SYMBOL	SOIL SERIES (DOMINANT)
M18S27E15	133	GREENFIELD
M18S27E15	140	HONCUT
M18S27E16	140	HONCUT
M18S27E16	166	VISTA
M18S27E18	131	GRANGEVILLE
M18S27E19	176	YETTEM
M18S27E20	153	SAN EMIGDIO
M18S27E20	176	YETTEM
M18S27E20	177	YETTEM
M18S27E21	131	GRANGEVILLE
M18S27E21	153	SAN EMIGDIO
M18S27E21	166	VISTA
M18S27E21	177	YETTEM
M18S27E29	153	SAN EMIGDIO
M18S27E29	176	YETTEM
M18S27E30	176	YETTEM
M18S27E31	176	YETTEM
M19S26E01	132	GREENFIELD
M19S26E01	139	HONCUT
M19S26E36	139	HONCUT
M20S26E12	132	GREENFIELD
M20S26E24	139	HONCUT
M20S26E36	132	GREENFIELD
M20S26E36	139	HONCUT
M20S27E18	132	GREENFIELD
M20S27E18	139	HONCUT
M20S27E31	132	GREENFIELD
M20S27E31	139	HONCUT
M21S29E09	131	GRANGEVILLE
M21S29E09	166	VISTA
M21S29E09	168	VISTA-ROCK
M21S29E10	168	VISTA-ROCK
M21S29E11	164	TUJUNGA
M21S29E11	165	VISTA
M21S29E11	168	VISTA-ROCK
M21S29E14	140	HONCUT
M21S29E14	164	TUJUNGA
M21S29E14	168	VISTA-ROCK
M21S29E14	171	MALONG-ROCK
M21S29E15	131	GRANGEVILLE
M21S29E15	133	GREENFIELD
M21S29E15	168	VISTA-ROCK
M21S29E15	171	MALONG-ROCK
M21S29E16	164	TUJUNGA
M21S29E16	168	VISTA-ROCK

Note: This listing is the result of the application of Teso's definition for coarse soils to all available California soil surveys as of April 1996.

CSMUI List of Coarse-Loamy and
Sandy Particle Size Class Soils

The following is a list of the coarse-loamy and sandy family particle size class soils that are currently in the California Soils Map Unit Inventory (CSMUI). The first column specifies the soil survey area that contains the specified map unit symbol (column 3). The second column consists of the soil series name associated with the dominant soil in the map unit. If the second column is hyphenated then the map unit is a soil association or complex. Complexes can contain miscellaneous names other than Soil Series names i.e., FILL, URBAN. A series name followed by an "S" enclosed in parentheses signifies that the soil has a particle size class of "sandy", otherwise, the soil has a particle size class of "coarse-loamy". Likewise, acreage sums (column 4) listed in parentheses represent the total "sandy psc" acres found in the survey area. The sum not in parentheses is the total acreage of both "sandy" and "coarse-loamy" soils in the survey area.

ALAMEDA CO., W. PART	LAUGENOUR	117	760
	URBAN-BAYWOOD (S)	147	4025
	XEROPSAMMENTS (S)-FILL	156	6115
**********			----------
			(10140)
sum			10900
AMADOR AREA	AHWAHNEE	AAB	89
	AHWAHNEE	AAB2	99
	AHWAHNEE	AAC	323
	AHWAHNEE	AAC2	348
	AHWAHNEE	AAD	144
	AHWAHNEE	AAD2	115
	AHWAHNEE	ADD	1198
	AHWAHNEE	ADD3	103
	AHWAHNEE	ADE	881
	AHWAHNEE	AEE	461
	AHWAHNEE	AFD	122
	HONCUT	HM	525
	HONCUT	HN	583
	HONCUT	HO	2451
	HONCUT	HS	1033
	HONCUT	HV	412
	SHAVER	SCF	556
	SHAVER	SDF	214
**********			----------
sum			9657
ANTELOPE VALLEY AREA	ADELANTO	AAB	9265
	ADELANTO	ACA	13045

	ADELANTO	ADB	1930
	CAJON (S)	CAA	31000
	CAJON (S)	CAC	32900
	CAJON (S)	CBA	5130
	CAJON (S)	CCA2	14545
	CAJON (S)	CCD2	2385
	CASTAIC-SAUGUS	CNG3	9235
	GREENFIELD	GSA	8880
	GREENFIELD	GSC	30050
	GREENFIELD	GSC2	2185
	GREENFIELD	GSD2	3705
	HANFORD	HAB2	3625
	HANFORD	HBA	7705
	HANFORD	HBC	40000
	HANFORD	HBD	5230
	HANFORD	HCA	12940
	HANFORD	HCC	19625
	HANFORD	HDC	7095
	HANFORD	HEC	1390
	HESPERIA	HGA	24520
	HESPERIA	HGA2	17785
	HESPERIA	HGB	5990
	HESPERIA	HKA	45450
	HESPERIA	HKB	30200
	HESPERIA	HMA	2040
	HESPERIA	HNA	2965
	METZ (S)	MFA	1105
	METZ (S)	MFC	2060
	METZ (S)	MGA	200
	METZ (S)	MGB	695
	OAK GLEN	OBA	680
	OAK GLEN	OBC	8015
	OAK GLEN	OCC	2460
	OAK GLEN	ODA	540
	OAK GLEN	ODC	5150
	OAKDALE	OAC	6605
	SAUGUS	SCE	1465
	SAUGUS	SCF	4515
	SAUGUS	SCF2	29950
	SHERIDAN	SHE	1170
	SHERIDAN	SHE2	745
	SHERIDAN	SHF	10240
	SHERIDAN	SHF2	10930
	TRAY	TT2	3920
	TRAY	TU	1130
	TRAY	TV	6310
	TRAY	TW	2550
	VISTA	VSD2	2640
	VISTA	VSE	2755
	VISTA	VSE2	2790
	VISTA	VSF	12410
	VISTA	VSF2	14725
**********			----------
			(90020)
sum			526570
BUTTE VALLEY-TULE LAKE AREA	DEHILL	106	

	DEHILL	107	
	DOEL	110	
	FORBAR	121	
	FORDNEY (S)	122	
	FORDNEY (S)	123	
	FORDNEY (S)	124	
	LAKI-HENLEY	137	
	LEAVERS	141	
	LEAVERS	142	
	ORSET	157	
	PODUS (S)	160	
	POE (S)	161	
	POMAN (S)	162	
	ROJO	164	
	ROJO	165	
**********			----------
sum			
CARSON VALLEY AREA (CA-NV)	CALPINE	CAA	136
	CALPINE	CCB	121
	CASHMERE	CF	498
	CAVE ROCK	CKC	283
	DRESSLER	DRA	154
	DRESSLER	DSA	202
	DRESSLER	DTA	866
	DRESSLER	DWA	306
	DRESSLER	DWB	420
	GLENBROOK (S)	GKF	1414
	GLENBROOK (S)	GLE	706
	HAYBOURNE	HAA	670
	HAYBOURNE	HAB	203
	HAYBOURNE	HBB	1609
	JOB	JG	168
	JOB	JH	327
	JOB	JK	534
	JOB	JL	344
	JUBILEE	JM	189
	JUBILEE	JN	246
	JUBILEE	JO	173
	JUBILEE	JP	368
	MOTTSVILLE (S)	MLB	777
	MOTTSVILLE (S)	MLD	4674
	MOTTSVILLE (S)	MOD	743
	MOTTSVILLE (S)	MOF	286
	MOTTSVILLE (S)-TOIYABE(S)	MTC	389
	OPHIR (S)	OGA	863
	OPHIR (S)	OGB	1781
	OPHIR (S)	OHC	509
	OPHIR (S)	OPB	548
	ORMSBY (S)	OR	662
	ORMSBY (S)	OS	212
	ORMSBY (S)	OY	688
	PREY	PGB	1235
	PREY	PHA	539
	PREY	PMD	268
	QUINCY (S)	QUE	2119

	TOIYABE (S)	TAF	1973
	TOLL (S)	TLB	3081
	TOLL (S)	TLD	2417
	TOLL (S)	TMA	175
	TOLL (S)	TOB	174
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			(24474)
sum			34050
COLORADO RIVER INDIAN RESERV ATION (CA-AZ)	AGUALT-CIBOLA	1	9585
	AGUALT-CIBOLA	2	4485
	ANTHO	3	840
	BADLAND-TORRIORTHENTS-TO RRIPSAMMENTS (S)	4	20047
	CIBOLA-AGUALT	8	2810
	GILMAN	11	15114
	GILMAN	12	10446
	GILMAN	13	6405
	LAGUNITA (S)	20	4187
	LAGUNITA (S)	21	11427
	SUPERSTITION (S)	28	8677
	SUPERSTITION (S)-ROSITAS (S)	29	38569
	VINT (S)	30	6695
	VINT (S)	31	3395
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			(92997)
sum			142682
CONTRA COSTA COUNTY	BRIONES (S)	BDE	2635
	BRIONES (S)	BDE2	395
	BRIONES (S)	BDF	780
	BRIONES (S)	BDF2	1040
	BRIONES (S)	BEB	230
	DELHI (S)	DAC	8510
	LAUGENOUR	LA	520
	PIPER	PD	470
	PIPER	PE	2710
	PIPER	PH	2630
	SHIMA (S)	SE	2995
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			(16585)
sum			22915
EASTERN FRESNO AREA	AHWAHNEE	ACB	362
	AHWAHNEE	ACC	3844
	AHWAHNEE	ACD	2673
	AHWAHNEE	ACE	1249
	AHWAHNEE	ADD	1791
	AHWAHNEE	ADE	3233
	AHWAHNEE	ADF	2853
	AHWAHNEE	AED	415
	AHWAHNEE	AEF	4246
	AHWAHNEE-SIERRA	AHD	585
	AHWAHNEE-SIERRA	AHE	288
	AHWAHNEE-TOLLHOUSE-ROCK	AKF	624

ATWATER	AOA	5989
ATWATER	AOB	786
ATWATER	APA	545
ATWATER	ARA	11110
ATWATER	ARB	595
ATWATER	ASA	798
ATWATER	ATA	4954
CAJON (S)	CA	1053
CAJON (S)	CB	2671
CAJON (S)	CC	410
CAJON (S)	CD	573
CAJON (S)	CE	284
CALHI (S)	CFA	17503
CALHI (S)	CFB	2845
CALHI (S)	CGA	7054
DELHI (S)	DEA	2752
DELHI (S)	DEB	2861
DELHI (S)	DHA	38844
DELHI (S)	DHB	7409
DELHI (S)	DLA	2967
DELLO (S)	DM	4001
DELLO (S)	DN	2494
EL PECO	EC	1369
EL PECO	ED	8600
EL PECO	EP	734
FOSTER	FM	2657
FOSTER	FN	1234
FOSTER	FO	388
FOSTER	FP	347
FOSTER	FR	1233
FRESNO-TRAVER	FX	947
GRANGEVILLE	GA	3459
GRANGEVILLE	GD	494
GRANGEVILLE	GE	1039
GRANGEVILLE	GF	16574
GRANGEVILLE	GG	3091
GRANGEVILLE	GH	552
GRANGEVILLE	GK	739
GRANGEVILLE	GL	1831
GRANGEVILLE	GM	1952
GRANGEVILLE	GN	1242
GRANGEVILLE	GO	1256
GRANGEVILLE SOILS	GP	2578
GREENFIELD	GSA	1314
GREENFIELD	GTA	8740
GREENFIELD	GTB	547
GREENFIELD	GUA	9686
HANFORD	HA	10722
HANFORD	HB	328
HANFORD	HC	28995
HANFORD	HD	1399
HANFORD	HE	2266
HANFORD	HF	384
HANFORD	HG	26911
HANFORD	HH	277
HANFORD	HK	2380
HANFORD	HL	974

HANFORD	HM	29839
HANFORD	HN	1936
HANFORD	HO	7440
HANFORD	HP	292
HANFORD	HR	1582
HESPERIA	HSA	1567
HESPERIA	HSC	500
HESPERIA	HSD	20935
HESPERIA	HSE	3057
HESPERIA	HSM	26548
HESPERIA	HSN	6388
HESPERIA	HSO	948
HESPERIA	HSP	1250
HESPERIA	HSR	20380
HESPERIA	HSS	422
HESPERIA	HST	21318
HESPERIA	HSY	12358
HONCUT	HWA	713
HONCUT	HWB	318
HONCUT	HYA	461
HONCUT	HZA	230
NORD	NO	336
NORD	NS	492
PACHAPPA	PA	1364
PACHAPPA	PC	1911
PACHAPPA	PD	2840
PACHAPPA	PE	3035
PIPER	PFB	397
PIPER	PGB	134
PIPER-ROSSI	PHB	402
POLLASKY	PMB	983
POLLASKY	PMC	289
POLLASKY	PMD	269
POLLASKY	PNB	350
POLLASKY	PNC	192
POLLASKY-MONTPELLIER	POC	915
POLLASKY-MONTPELLIER	POD	374
POLLASKY-ROCKLIN	PPC	374
SHAVER	SME	218
TRAVER	TR	3693
TRAVER	TS	8358
TRAVER	TT	8568
TRAVER	TU	10901
TRETTEN	TVC	224
TRETTEN	TVD	339
TRETTEN	TVE	798
TRETTEN	TVF	666
TRETTEN	TWF	1823
TRIMMER-TRETTEN	TZE	346
TRIMMER-TRETTEN	TZF	2468
TUJUNGA (S)	TZAA	662
TUJUNGA (S)	TZBA	14672
TUJUNGA (S)	TZBB	606
TUJUNGA (S)	TZCA	380
TUJUNGA (S)	TZDA	708
TUJUNGA SOILS (S)	TZEB	3603
VISALIA	VAA	2632

	VISALIA	VAB	976
	VISALIA	VDA	325
	VISALIA	VEA	207
	VISTA	VFB	2671
	VISTA	VFC	6369
	VISTA	VFD	6693
	VISTA	VFE	3012
	VISTA	VFF	1375
	VISTA	VGB	1164
	VISTA	VGD	7335
	VISTA	VGE	688
	VISTA	VKD	5809
	VISTA	VKE	4484
	VISTA	VKF	1278
	VISTA	VLD	577
	VISTA	VLF	7454
	VISTA	VMD	521
	VISTA-FALLBROOK	VND	454
	VISTA-FALLBROOK	VOD	1686
	VISTA-FALLBROOK	VOE	1090
	VISTA-FALLBROOK	VSF	907
**********			----------
			(114352)
sum			577779
EASTERN SANTA CLARA AREA	BEN LOMOND	BEG	520
	SAN ANDREAS	SAE2	440
	SAN ANDREAS	SAG2	1250
**********			----------
sum			2210
EASTERN STANISLAUS AREA	COLUMBIA	CCA	1431
	COLUMBIA	CDA	51
	COLUMBIA	CEA	1241
	COLUMBIA	CFA	1753
	COLUMBIA	CGA	241
	COLUMBIA	CHA	278
	COLUMBIA	CKA	467
	COLUMBIA	CMA	852
	COLUMBIA	COA	356
	COLUMBIA	CPA	996
	COLUMBIA	CSB	3560
	DELHI (S)	DEA	4847
	DELHI (S)	DEB	312
	DELHI (S)	DFA	344
	DELHI (S)	DGA	1652
	DELHI (S)	DHA	1006
	DELHI (S)	DHB	621
	DELLO (S)	DKA	478
	DINUBA	DMA	10069
	DINUBA	DNA	98
	DINUBA	DOA	761
	DINUBA	DPA	2317
	DINUBA	DRA	27648
	DINUBA	DSA	640
	DINUBA	DTA	3371
	DINUBA	DWA	14811

	DINUBA	DXA	376
	DINUBA	DYA	977
	FOSTER	FOA	117
	FRESNO-DINUBA	FWA	817
	FRESNO-DINUBA	FXA	61
	GRANGEVILLE	GFA	1464
	GRANGEVILLE	GGA	161
	GRANGEVILLE	GHA	222
	GRANGEVILLE	GKA	311
	GRANGEVILLE	GMA	2942
	GRANGEVILLE	GNA	672
	GRANGEVILLE	GOA	219
	GREENFIELD	GRA	299
	GREENFIELD	GSA	3404
	GREENFIELD	GSB	83
	GREENFIELD	GVA	5460
	HANFORD	HBA	5425
	HANFORD	HBMA	361
	HANFORD	HBPA	5423
	HANFORD	HBSA	4389
	HANFORD	HCA	160
	HANFORD	HDA	45860
	HANFORD	HDB	900
	HANFORD	HDC	183
	HANFORD	HDMA	257
	HANFORD	HDPA	12998
	HANFORD	HDSA	4925
	HANFORD	HEA	743
	HONCUT	HNA	421
	HONCUT	HOA	208
	HONCUT	HPA	768
	HONCUT	HRA	187
	OAKDALE	OAA	5888
	TRAVER	TMA	8
	TRAVER	TNA	102
	TRAVER	TOA	144
	TRAVER	TPA	629
	TRAVER	TRA	279
	TRAVER	TSA	35
	TUJUNGA (S)	TUA	18578
	TUJUNGA (S)	TUB	329
	TUJUNGA (S)	TVA	1339
**********			----------
			(29506)
sum			208325
EL DORADO AREA	AHWAHNEE	ACC	486
	AHWAHNEE	ADD	1468
	AHWAHNEE	ADE	3887
	CHAIX	CCE	4920
	CHAIX	CCF	2381
	SHAVER	SBB	288
	SHAVER	SBC	1648
	SHAVER	SBD	1813
	SHAVER	SCC	462
	SHAVER	SDE	1635
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sum			18988
FRESNO COUNTY, WESTERN PART	BISGANI (S)	311	0
	CANOAS-GUIJARRAL	408	0
	ELNIDO	320	0
	EXCELSIOR	445	8490
	EXCELSIOR	447	13530
	EXCELSIOR	448	1060
	GETRAIL-VERNADO-ROCK OUT CROP	735	3310
	GRANGEVILLE	140	130
	GUIJARRAL	406	6340
	KIMBERLINA	425	5530
	KIMBERLINA	426	1670
	MILHAM-GUIJARRAL	404	0
	MONORIDGE (S)-EXCLOSE-BA DLAND	710	11490
	MONVERO-MONORIDGE (S)	750	3310
	POLVADERO-GUIJARRAL	405	17800
	WASCO	488	3310
	WASCO	489	1690
**********			----------
			(14800)
sum			77660
GLENN COUNTY	COLUMBIA	CEA	619
	COLUMBIA	CEB	143
	COLUMBIA	CF	54
	COLUMBIA	CHA	8385
	COLUMBIA	CHB	1021
	COLUMBIA	CK	349
	COLUMBIA	CL	90
	COLUMBIA	CM	153
	COLUMBIA	CN	170
	COLUMBIA	CO	380
	COLUMBIA	CPB	727
	COLUMBIA	CRB	1487
	MAYWOOD	ME	240
**********			----------
sum			13818
IMPERIAL VALLEY AREA	ANTHO	100	4134
	ANTHO-SUPERSTITION (S)	101	8416
	CARSITAS (S)	103	7011
	ROSITAS (S)	130	22608
	ROSITAS (S)	131	1590
	ROSITAS (S)	132	77301
	ROSITAS (S)	133	40748
	ROSITAS (S)	134	19401
	ROSITAS (S)	135	22626
	ROSITAS (S)	136	90896
	ROSITAS (S)	137	3737
	ROSITAS (S)-SUPERSTITION (S)	138	11373
	SUPERSTITION (S)	139	12887

	VINT (S)	142	31545
	VINT (S)	143	13066
	VINT (S)-INDIO	144	15462
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			(408310)
sum			414766

KERN CO., N.E. PART	ARUJO-WALONG-TUNIS	264	
	CAJON (S)	102	
	CAJON (S)	103	
	CAJON (S)	104	
	CAJON (S)	105	
	CAJON (S)	106	
	CAJON (S)	108	
	CAJON (S)	109	
	CAJON (S)	161	
	CAJON (S)-URBAN	291	
	CALICREEK (S)	143	
	CALICREEK (S)	144	
	CALICREEK (S)	213	
	CHOLLAWELL	245	
	CHOLLAWELL	246	
	CHOLLAWELL	505	
	CHOLLAWELL	512	
	CHOLLAWELL-INYO (S)	514	
	CINCO (S)	238	
	CINCO (S)-JAWBONE (S)	206	
	COWSPRING	259	
	COWSPRING-JAWBONE (S)	256	
	COWSPRING-JAWBONE (S)-RO CK	262	
	COWSPRING-TIPS-ROCK	260	
	GRANGEVILLE	210	
	GRANGEVILLE	212	
	GRANGEVILLE	243	
	GRANGEVILLE-KELVAL (S)-T WEEDY	286	
	HAVALA-WALONG-GRANGEVILL E	281	
	HELENDALE	116	
	HELENDALE	117	
	HELENDALE	155	
	HELENDALE	156	
	HELENDALE-URBAN	118	
	HELENDALE-URBAN	119	
	HESPERIA	138	
	INYO (S)	224	
	INYO (S)	241	
	INYO (S)	242	
	INYO (S)-KELVAL	285	
	INYO (S)-RIVERWASH	216	
	INYO (S)-TIPS-ROCK	247	
	JAWBONE (S)	273	
	JAWBONE (S)-ROCK	263	
	KELVAL (S)	215	
	KELVAL (S)	222	
	KELVAL (S)	223	

	LAVIC	130	
	LAVIC-URBAN	131	
	LEWKALB TAXADJUNCT (S)	211	
	LEWKALB TAXADJUNCT (S)-URBAN	292	
	STEUBER TAXADJUNCT	142	
	TIPS-HOFFMAN-CINCO (S)	276	
	TOLLHOUSE-EDMUNDSTON-SORRELL	272	
	TOLLHOUSE-MARTYNN-EDMUNDSTON	280	
	TWEEDY-WALONG	189	
	WALONG-TUNIS-ROCK	271	
	WHITEWOLF (S)	207	
	WHITEWOLF (S)	209	
	WHITEWOLF (S)-RIVERWASH	217	
**********			----------
sum			
KERN CO., N.W. PART	BITTERWATER	115	2315
	BITTERWATER	116	1315
	BITTERWATER	117	6400
	BITTERWATER-ARIDIC CALCIXEROLLS	120	1230
	BITTERWATER-DELGADO	118	4595
	BITTERWATER-DELGADO	119	850
	BITTERWATER-TYPIC TORRIORTHENTS	121	2245
	BITTERWATER-TYPIC TORRIORTHENTS	122	1765
	CAJON (S)	125	16685
	CAJON (S)	126	7230
	CAJON (S)	127	17030
	ELKHILLS	146	12820
	ELKHILLS	147	1585
	ELKHILLS	148	775
	ELKHILLS-BITTERWATER-KETTLEMAN	149	2215
	ELKHILLS-TORRIORTHENTS	150	4460
	ELKHILLS-TORRIORTHENTS	151	17670
	EXCELSIOR	152	8355
	HESPERIA	159	5810
	HESPERIA	160	360
	KIMBERLINA	174	123665
	KIMBERLINA	175	24510
	KIMBERLINA	176	5485
	KIMBERLINA	177	14460
	KIMBERLINA	178	3040
	KIMBERLINA	179	13500
	KIMBERLINA-URBAN-CAJON (S)	180	17950
	LEWKALB	184	11580
	LEWKALB	185	9325
	PREMIER	222	3425
	PREMIER	223	2620
	PREMIER	224	1990
	PREMIER-DURORTHIDS	225	3955

	PREMIER-DURORTHIDS	226	520
	TYPIC GYPSIORTHIDS-KIMBE RLINA	239	4530
	WASCO	243	105410
	WASCO	244	3485
	WHITEWOLF	246	1780
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			(60675)
sum			466940
KERN CO., S.E. PART	ARVIN	109	3480
	ARVIN	110	960
	ARVIN	111	7453
	CAJON (S)	113	8475
	CAJON (S)	114	153132
	CAJON (S)	115	920
	CAJON (S)	116	31585
	CAJON (S)-GARLOCK	117	4633
	CINCO (S)	124	9022
	EDMUNDSTON	129	1612
	EDMUNDSTON	130	8134
	EDMUNDSTON	131	4842
	EDMUNDSTON	132	7223
	EDMUNDSTON-GODDE-TOLLHOU SE	133	2917
	EDMUNDSTON-GODDE-TOLLHOU SE	134	7850
	HESPERIA	144	19422
	HESPERIA	145	1197
	HESPERIA	146	1082
	JAWBONE (S)	148	12745
	PAJUELA-WHITEWOLF (S)	156	7598
	PSAMMENTS (S)-XEROLLS	165	4889
	STEUBER	174	3513
	STEUBER	175	9207
	STEUBER	176	7713
	STEUBER	177	1876
	TORRIFLUVENTS-CAJON (S)	184	2700
	TUJUNGA (S)	186	1018
	TUNIS-WALONG	188	18802
	WALONG	193	20665
	WALONG	194	34270
	WALONG-ARUJO	195	4276
	WALONG-ARUJO	196	8302
	WALONG-ARUJO	197	5781
	WALONG-EDMUNDSTON	199	11153
	WALONG-EDMUNDSTON	200	26678
	WALONG-ROCK	198	12304
	WHITEWOLF (S)	203	3947
	WHITEWOLF (S)	204	1435
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			(242099)
sum			472811
KERN CO., S.W. PART	BAKERSFIELD	KSA	12695
	BAKERSFIELD	KYA	3620
	CAJON (S)	CAA	6185

	CAJON (S)	CGA	140
	CAJON (S)	CLA	1410
	CAJON (S)	CNA	8120
	CAJON (S)	CNB	190
	CAJON (S)	CSB	30
	CONDOR	HBA	1255
	CONDOR	HBB	980
	EXCELSIOR	EMA	5655
	EXCELSIOR	EXA	14935
	EXCELSIOR	EZA	7525
	EXCELSIOR	KGA	1895
	GUIJARRAL	GUB	95
	HESPERIA	HEA	3320
	HESPERIA	HSA	1690
	KIMBERLINA	KBA	5030
	KIMBERLINA	KCB	370
	KIMBERLINA	KMA	18300
	KIMBERLINA	KMB	380
	MILAGRO	MCA	5955
	MILAGRO	MLA	3745
	MILLUX-TENNCO	MTA	2265
	MILLUX-ZALVIDEA	MZA	3755
	PREMIER	PSA	12825
	PREMIER	PSB	945
	TENNCO	TNA	3340
	VINELAND (S)	VNA	300
	VINELAND (S)	VPA	895
	WASCO	WSA	1075
	WHEELRIDGE (S)	WBA	200
	WHEELRIDGE (S)	WBB	1840
	WHITEWOLF (S)	NDA	465
	WHITEWOLF (S)	WWA	1235
	WHITEWOLF (S)	WWB	2165
	WHITEWOLF (S)-BAKERSFIELD	PXA	7120
	ZALVIDEA	ZAA	1325
	ZALVIDEA	ZZA	780
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			(30295)
sum			144050
KINGS COUNTY	BOGGS	103	4213
	CAJON (S)	104	3913
	CANTUA	105	7620
	CANTUA	106	1900
	EXCELSIOR	112	8771
	GRANGEVILLE	119	10059
	GRANGEVILLE	120	5991
	GRANGEVILLE	121	6665
	HOMELAND (S)	124	6114
	KETTLEMAN-CANTUA	129	27979
	KIMBERLINA	130	37476
	KIMBERLINA	131	11129
	KIMBERLINA-GARCES	132	18190
	LEMOORE	137	5474
	NORD	147	27722
	NORD	148	5532

	NORD	149	28601
	SANDRIDGE (S)	162	3958
	VANGUARD	168	9615
	WASCO	174	28993
	WHITEWOLF (S)	179	3500
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			(17485)
sum			263415
LAKE COUNTY	KELSEY	147	2755
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sum			2755
LOS ANGELES CO., S. PART AND W. SAN FERNANDO VALLEY AREA	ANACAPA	100	215
	ANACAPA-URBAN	101	4680
	CAPISTRANO-URBAN	107	7060
	CAPISTRANO-URBAN	108	2680
	SAN EMIGDIO-URBAN	127	9015
	SAUGUS	128	475
	SAUGUS	129	2950
	TUJUNGA (S)-URBAN	135	890
	VISTA	137	1000
	XERORTHENTS-URBAN-SAUGUS	143	810
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			(890)
sum			29775
MADERA AREA	AHWAHNEE-AUBERRY	AAC	3674
	AHWAHNEE-AUBERRY	AAD	12869
	AHWAHNEE-AUBERRY	ABB	4
	AHWAHNEE-AUBERRY	ABD	17747
	AHWAHNEE-AUBERRY	ABE	12977
	AHWAHNEE-AUBERRY	ACD	1199
	AHWAHNEE-AUBERRY	ACF	4010
	AHWAHNEE-VISTA	ADB	108
	AHWAHNEE-VISTA	ADC	9030
	AHWAHNEE-VISTA	ADD	29180
	AHWAHNEE-VISTA	AEB	138
	AHWAHNEE-VISTA	AED	101864
	AHWAHNEE-VISTA	AEE	32523
	AHWAHNEE-VISTA	ARD	7150
	AHWAHNEE-VISTA	ARF	12794
	ATWATER	ATA	3316
	ATWATER	ATB	2566
	ATWATER	AWA	4331
	ATWATER	AWB	1600
	CAJON (S)	CAA	1906
	CAJON (S)	CAAA	3006
	CAJON (S)	CABA	205
	CAJON (S)	CACA	541
	CALHI (S)	CBAB	1011
	CALHI (S)	CBBB	1156
	CALHI (S)	CCAA	60
	CALHI (S)	CCAB	90
	CALHI (S)	CCBA	291
	CALHI (S)	CCBB	153

CALHI (S)	CCCA	149
COLUMBIA	CMA	1018
COLUMBIA	CMDA	552
COLUMBIA	CMTA	1287
COLUMBIA	COA	205
COLUMBIA	COTA	205
COLUMBIA	CPA	26
COLUMBIA	CPDA	78
COLUMBIA	CRB	168
DELHI (S)	DEA	690
DELHI (S)	DEB	440
DELHI (S)	DFA	634
DINUBA	DMA	1884
DINUBA	DOA	104
DINUBA-EL PECO	DPA	7400
DINUBA-EL PECO	DSA	3495
DINUBA-EL PECO	DTA	175
DINUBA-EL PECO	DUA	142
EL PECO-DINUBA	EDA	7691
FOSTER	FAA	343
FOSTER	FAAA	877
FOSTER	FABA	254
FOSTER	FACA	153
FOSTER	FBA	1876
FOSTER	FBAA	351
FOSTER	FBBA	392
FOSTER	FBCA	272
FOSTER	FBDA	19
FOSTER	FBEA	298
FOSTER	FCBA	34
FOSTER-CHINO	FDCA	533
FRESNO-EL PECO	FEAA	4711
FRESNO-EL PECO	FEBA	5849
FRESNO-EL PECO	FECA	32168
FRESNO-EL PECO	FFAA	3853
FRESNO-EL PECO	FFBA	5155
FRESNO-EL PECO	FFCA	6968
FRESNO-EL PECO-CHINO	FGAA	2600
FRESNO-EL PECO-CHINO	FGBA	377
FRESNO-EL PECO-LEWIS	FHBA	4879
FRESNO-EL PECO-LEWIS	FHCA	548
FRESNO-EL PECO-POZO	FKAA	671
FRESNO-EL PECO-POZO	FKBA	500
GRANGEVILLE	GAA	12522
GRANGEVILLE	GBA	4517
GRANGEVILLE	GCA	11459
GRANGEVILLE	GDA	1917
GRANGEVILLE	GEA	526
GRANGEVILLE	GFA	877
GRANGEVILLE	GHA	1257
GRANGEVILLE	GKA	552
GRANGEVILLE	GMA	1003
GRANGEVILLE	GNA	821
GREENFIELD	GRA	3510
GREENFIELD	GRB	373
GREENFIELD	GSA	3167
GREENFIELD	GSB	15

	GREENFIELD	GUA	772
	GREENFIELD	GUB	794
	GREENFIELD	GVA	1156
	GREENFIELD	GVB	821
	HANFORD	HAA	7613
	HANFORD	HBA	3353
	HANFORD	HEB	619
	HANFORD	HFA	3323
	HANFORD	HGA	2316
	HANFORD	HHA	407
	PACHAPPA	PAA	7781
	PACHAPPA	PBA	8508
	PACHAPPA	PCA	668
	PACHAPPA	PDA	4409
	PACHAPPA	PEA	388
	TRAVER	TMA	1706
	TRAVER	TNA	8501
	TRAVER	TOA	7553
	TRAVER-CHINO	TPA	1231
	TRAVER-CHINO	TRA	2309
	TRAVER-FRESNO-EL PECO	TSA	201
	TRAVER-FRESNO-EL PECO	TTA	183
	TUJUNGA (S)	TWA	20504
	TUJUNGA (S)	TWB	257
	TUJUNGA (S)	TXA	642
	TUJUNGA (S)	TYA	93
	TUJUNGA (S)-HANFORD	TZB	2749
	VISALIA	VAA	4730
	VISALIA	VDA	2134
	VISALIA	VNA	310
	VISTA-SESAME	VSB	959
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			(34577)
sum			505029
MARIN COUNTY	PABLO (S)-BAYVIEW	152	2375
	SIRDRAK (S)	170	2185
	SIRDRAK (S)	171	525
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			(8490)
sum			8490
MARIPOSA AREA	AHWAHNEE	AAC	1083
	AHWAHNEE	AAD	1984
	AHWAHNEE-AUBERRY	ABE	602
	AHWAHNEE-AUBERRY	ACE	23916
	AHWAHNEE-AUBERRY	ADG	9373
	SAN ANDREAS-COARSEGOLD	SAD	3570
	SAN ANDREAS-COARSEGOLD	SAE	4105
	SAN ANDREAS-COARSEGOLD	SAF	8672
	SAN ANDREAS-COARSEGOLD	SBE	7264
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sum			60569
MENDOCINO CO., E. PART AND S .W. PART OF TRINITY CO.	RUSSIAN	188	4849

	RUSSIAN	189	190
	RUSSIAN	190	1410
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sum			6449
MERCED AREA	ATWATER	ADA	1226
	ATWATER	AFA	6600
	ATWATER	AFB	8980
	ATWATER	AGA	840
	ATWATER	AGB	1741
	ATWATER	AKA	1646
	ATWATER	ANA	1885
	ATWATER	ANB	12388
	COLUMBIA	CAA	693
	COLUMBIA	CBA	712
	COLUMBIA	CCA	342
	DELHI (S)	DBA	422
	DELHI (S)	DBB	150
	DELHI (S)	DCA	3655
	DELHI (S)	DDA	5336
	DELHI (S)	DDB	878
	DELHI (S)	DEA	3815
	DELHI (S)	DFA	29899
	DELHI (S)	DFB	4777
	DELHI (S)	DFC	424
	DELHI (S)	DGA	3822
	DELHI (S)	DGB	149
	DELLO (S)	DHA	373
	DELLO (S)	DKA	1792
	DELLO (S)	DMA	119
	DELLO (S)	DNA	390
	DELLO (S)	DOA	807
	DINUBA	DPA	3186
	DINUBA	DRA	2627
	DINUBA	DSA	264
	DINUBA	DTA	264
	FOSTER	FAA	352
	FOSTER	FBA	674
	FOSTER	FCA	260
	FOSTER	FDA	830
	FOSTER	FEA	137
	GRANGEVILLE	GAA	5487
	GRANGEVILLE	GBA	3373
	GRANGEVILLE	GCA	2030
	GRANGEVILLE	GDA	73
	GREENFIELD	GEA	994
	GREENFIELD	GFA	2743
	GREENFIELD	GFB	618
	GREENFIELD	GFB3	19
	HANFORD	HAA	3116
	HANFORD	HBA	1295
	HANFORD	HCB	671
	HANFORD	HDA	1078
	HANFORD	HEA	5106
	HONCUT	HRA	906
	HONCUT	HSA	454

	HONCUT	HTA	9919
	HONCUT	HUA	758
	HONCUT	HWA	1816
	HONCUT	HXA	117
	HONCUT	HZA	258
	PACHAPPA	PAA	3237
	PACHAPPA	PBA	1687
	PACHAPPA	PCA	510
	PACHAPPA	PDA	3007
	PACHAPPA	PEA	1330
	PACHAPPA	PFA	3432
	PACHAPPA	PGA	1769
	PIPER	PPA	363
	PIPER	PSA	421
	PIPER	PTA	24
	TRAVER	THA	65
	TRAVER	TKA	123
	TRAVER	TMA	434
	TRAVER	TNA	3373
	TRAVER	TOA	6788
	TRAVER	TPA	2891
	TUJUNGA (S)	TSA	649
	TUJUNGA (S)	TTA	1157
	TUJUNGA (S)	TUA	1634
	TUJUNGA (S)	TWA	596
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			(60844)
sum			176776
MERCED CO., W. PART	BISGANI (S)	137	2040
	BISGANI (S)	138	610
	ELNIDO	178	5850
	ELNIDO	179	1320
	ELNIDO	180	3880
	OQUIN	224	220
	OQUIN	225	1350
	SAN EMIGDIO	246	610
	SAN EMIGDIO	247	450
	SAN TIMOTEO	249	650
	SAN TIMOTEO-WISFLAT	250	1110
	SAN TIMOTEO-WISFLAT	251	520
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			(2650)
sum			18610
MODOC CO., ALTURAS AREA	GLEASON	140	286
	GLEASON	141	140
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sum			426
MONTEREY COUNTY	ARNOLD (S)	AKD	5030
	ARNOLD (S)	AKF	23650
	ARNOLD (S)-SAN ANDREAS	AM	4145
	ARNOLD (S)-SANTA YNEZ	AR	11400
	ARROYO SECO	ASA	6685
	ARROYO SECO	ASB	5305
	ARROYO SECO	ASC	4820

	ARROYO SECO	AVA	2915
	ARROYO SECO	AVB	2315
	BAYWOOD (S)	BBC	11300
	ELDER	EAA	6665
	ELDER	EBC	1130
	ELDER	ECA	3335
	GAREY	GBC	3845
	GAREY	GBE	6085
	GAREY	GBF2	875
	GAREY-OCEANO (S)	GC	750
	GAVIOTA-SAN ANDREAS	GEE	9250
	GAVIOTA-SAN ANDREAS	GEG	13550
	GORGONIO (S)	GKB	6300
	GREENFIELD	GMB	1620
	GREENFIELD	GMC	1250
	GREENFIELD	GMD	740
	HANFORD	HBB	1955
	JUNIPERO	JAF	1785
	JUNIPERO	JBG	23810
	JUNIPERO-SUR	JC	19910
	METZ (S)	ME	3945
	METZ (S)	MF	5745
	METZ (S)	MG	19060
	OCEANO (S)	OAD	13110
	PFEIFFER	PDC	1040
	PFEIFFER	PDD	1090
	PFEIFFER-ROCK	PE	6775
	PICO	PF	13745
	PSAMMENTS (S)-FLUVENTS	PR	12650
	PSAMMENTS (S)-FLUVENTS	PS	9300
	SAN ANDREAS	SCE	3555
	SAN ANDREAS	SCG	11580
	SAN TIMOTEO	SEG	2125
	SHERIDAN	SOD	570
	SHERIDAN	SOE	16850
	SHERIDAN	SOG	75200
	SNELLING-GREENFIELD	SPD	3730
	SNELLING-GREENFIELD	SPE2	4540
	SUR-JUNIPERO	SS	89000
	TANGAIR (S)	TAC	805
	TUJUNGA (S)	TBB	3925
	VISTA	VAD	1100
	VISTA	VAE	8055
	VISTA	VAG	42700
	VISTA-ROCK	VB	4825
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			(131115)
sum			535440
NEVADA AREA	AHWAHNEE	ADB	1647
	AHWAHNEE	ADC	3971
	AHWAHNEE	ADD	568
	AHWAHNEE-ROCK	AED	4465
	AHWAHNEE-ROCK	AEE	1615
	CHAIX	CDE2	1355
	CHAIX-HOTAW	CHC2	1086
	CHAIX-HOTAW	CHD2	2841

	CHAIX-HOTAW	CHE2	2848
	CHAIX-ROCK	CKF	3529
	ROCK-AHWAHNEE	ROE	3714
**********			----------
sum			27639
NORTHERN SANTA BARBARA AREA (2)	ARNOLD (S)	ARD	5932
	ARNOLD (S)	ARF	29443
	ARNOLD (S)	ARF3	2077
	BETTERAVIA (S)	BMA	4666
	BETTERAVIA (S)	BMA3	260
	BETTERAVIA (S)	BMC	1749
	CORRALITOS (S)	CTA	1026
	CORRALITOS (S)	CTD	3101
	CORRALITOS (S)	CTD2	634
	CORRALITOS (S)	CUA	3810
	CORRALITOS (S)	CUC	2967
	CORRALITOS (S)	CUD	1406
	ELDER	EDA	364
	ELDER	EDA2	691
	ELDER	EDC2	4675
	ELDER	EDD2	740
	ELDER	EMA	690
	ELDER	EMC	3355
	ELDER	ENA2	1157
	ELDER	ENC2	2847
	ELDER	END2	971
	GAREY	GAA2	188
	GAREY	GAC2	4836
	GAREY	GAE2	531
	GAREY	GAE3	1630
	MARINA (S)	MAA	2938
	MARINA (S)	MAC	7905
	MARINA (S)	MAE	9803
	MARINA (S)	MAE3	1394
	METZ (S)	MNA	8488
	METZ (S)	MNC	626
	METZ (S)	MNC2	7345
	METZ (S)	MOA	1941
	OCEANO (S)	OCA	639
	OCEANO (S)	OCD	9997
	OCEANO (S)	OCD3	2568
	SAN ANDREAS-TIERRA	SFD	1517
	SAN ANDREAS-TIERRA	SFE	6729
	SAN ANDREAS-TIERRA	SFF3	1745
	SAN ANDREAS-TIERRA	SFG	11119
	TANGAIR (S)	TAA	5353
	TANGAIR (S)	TAC	3713
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			(119781)
sum			163566
ORANGE CO. AND W. PART OF RIVERSIDE CO.	BLASINGAME-VISTA	120	485
	BLASINGAME-VISTA	121	985
	CAPISTRANO	135	5510

	CAPISTRANO	136	2075
	CORRALITOS (S)	146	2770
	CORRALITOS (S)	147	480
	ESCONDIDO	150	415
	ESCONDIDO	151	950
	HANFORD	156	520
	HUENEME	157	495
	HUENEME	158	23705
	MARINA (S)	161	565
	MARINA (S)	162	4000
	METZ (S)	163	20755
	METZ (S)	164	9310
	SAN ANDREAS	193	1205
	SAN EMIGDIO	194	15775
	SAN EMIGDIO	195	1000
	SAN EMIGDIO	196	7420
	VISTA	213	245
	VISTA	214	215
	VISTA	215	440
	VISTA-ROCK	216	935
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			(37880)
sum			100255
PALO VERDE AREA	ACO	AC	5470
	ACO	AF	8095
	GILMAN	GB	12195
	GILMAN	GC	4070
	ROSITAS (S)	ROA	14650
	ROSITAS (S)	ROB	4140
	ROSITAS (S)	RRA	460
	ROSITAS (S)	RSA	2655
	ROSITAS (S)	RTA	6080
	ROSITAS (S)	RUA	420
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			(28405)
sum			58235
PLACER CO., W. PART	ANDREGG	106	19100
	ANDREGG	107	2650
	ANDREGG	108	1175
	ANDREGG	109	5300
	ANDREGG	110	1150
	ANDREGG	111	1800
	ANDREGG-ROCK	112	2025
	ANDREGG-SHENANDOAH	113	2400
	CAPERTON-ANDREGG	130	6375
	CAPERTON-ANDREGG	131	1770
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sum			43745
RIVERSIDE CO., COACHELLA VAL LEY AREA	CAJON (S)	CAD	1656
	CARSITAS (S)	CDC	67477
	CARSITAS (S)	CDE	4257
	CARSITAS (S)	CFB	3275
	CARSITAS (S)	CHC	35707

	CARSITAS (S)	CKB	24402
	COACHELLA (S)	CPA	14390
	COACHELLA (S)	CPB	1451
	COACHELLA (S)	CRA	7535
	COACHELLA (S)	CSA	2599
	GILMAN	GAB	1174
	GILMAN	GBA	13601
	GILMAN	GBB	647
	GILMAN	GCA	21145
	GILMAN	GDA	1167
	GILMAN	GEA	1234
	GILMAN	GFA	3765
	MYOMA (S)	MAB	40928
	MYOMA (S)	MAD	25807
	MYOMA (S)	MCB	4180
	ROCK-TORRIPSAMMENTS (S)	RT	6524
	TUJUNGA (S)	TPE	230
	TUJUNGA (S)	TRC	595
	TUJUNGA (S)	TSB	480
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			(241493)
sum			284226
SACRAMENTO COUNTY	ANDREGG	103	740
	ANDREGG	104	610
	ANDREGG-AUBURN	107	8300
	ANDREGG-URBAN	105	560
	ANDREGG-URBAN	106	210
	COLUMBIA	116	1130
	COLUMBIA	117	2680
	COLUMBIA	118	2770
	COLUMBIA	119	340
	COLUMBIA	120	3110
	COLUMBIA	121	4390
	COLUMBIA	122	280
	COLUMBIA	123	620
	COLUMBIA-URBAN	124	1170
	LANG (S)	167	500
	LANG (S)-URBAN	168	270
	LAUGENOUR	169	1840
	LAUGENOUR-URBAN	170	320
	REIFF	199	1770
	ROSSMOOR	204	770
	ROSSMOOR-URBAN	205	3890
	TINNIN (S)	225	940
	TINNIN (S)-URBAN	226	360
	VINA	233	1220
	VINA	234	600
	XEROPSAMMENTS (S)	244	980
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			(3050)
sum			40370
SAN BENITO COUNTY	ARNOLD (S)	ATD	260
	ARNOLD (S)	ATE2	1650
	ARNOLD (S)	ATF3	575
	CORRALITOS (S)	CUC	375

	HANFORD	HAA	1340
	HANFORD	HAC	3005
	HANFORD	HFA	355
	HANFORD	HFC	270
	METZ (S)	MEA	1605
	METZ (S)	MGA	670
	METZ (S)	MGC	340
	REIFF	REA	3495
	REIFF	REC	2095
	SHERIDAN	SKD	1365
	SHERIDAN	SKE	6330
	SHERIDAN	SKE2	6735
	SHERIDAN	SKG2	11860
	SHERIDAN	SKG3	38450
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			(5475)
sum			80775
SAN BERNARDINO CO., MOJAVE R IVER AREA	ARRASTRE-ROCK	101	12100
	AVAWATZ (S)-OAK GLEN	102	12000
	BRYMAN-CAJON (S)	110	7500
	CAJON (S)	112	46200
	CAJON (S)	113	117200
	CAJON (S)	114	6600
	CAJON (S)	115	59400
	CAJON (S)	116	8600
	CAJON (S)	117	28800
	CAJON (S)-ARIZO	118	66000
	CAJON (S)-WASCO	119	5900
	CRAFTON-SHEEPHEAD-ROCK	121	7000
	CUSHENBURY-CRAFTON-ROCK	122	12900
	HALLORAN	127	21200
	HALLORAN-DUNE	128	2900
	HANFORD	129	800
	HELENDALE	131	9200
	HELENDALE	132	16600
	HELENDALE-BRYMAN	133	43500
	HESPERIA	134	19200
	KIMBERLINA	137	17800
	KIMBERLINA	138	3000
	KIMBERLINA	139	5400
	LAVIC	140	5500
	LOVELACE (S)	141	4500
	LUCERNE	142	4800
	LUCERNE	143	6400
	MANET (S)	144	29200
	MANET (S)	145	2400
	MANET (S)	146	9300
	MANET (S)	147	1800
	NOROB-HALLORAN	152	41800
	TORRIORTHENTS-TORRIPSAMM ENTS (S)-URBAN	163	1900
	TUJUNGA (S)	167	1600
	VICTORVILLE	169	6300
	VILLA (S)	171	13700
	VILLA (S)	172	3000

	WASCO	173	16000
	WASCO	174	4100
	WRIGHTWOOD-BULL TRAIL	175	7300
	YERMO-KIMBERLINA	177	18200
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			(425600)
sum			707600
SAN BERNARDINO CO., S.W. PAR T	CRAFTON-ROCK	CS2	550
	DELHI (S)	DB	20440
	GRANGEVILLE	GR	7510
	GRANGEVILLE	GS	1350
	GREENFIELD	GTC	8010
	GREENFIELD	GTD	525
	GREENFIELD	GUD	220
	HANFORD	HAC	27655
	HANFORD	HAD	1655
	HANFORD	HBA	6615
	METZ (S)	MGC	300
	OAK GLEN	OAC	540
	OAK GLEN	OGD	1060
	OAK GLEN	OGE	670
	PSAMMENTS (S)-FLUVENTS	PS	8800
	SAN EMIGDIO	SAD	370
	SAN EMIGDIO	SBC	470
	SAN EMIGDIO	SCA	1900
	SAN EMIGDIO	SCC	3145
	SAN TIMOTEO	SGF2	2430
	SAUGUS	SHF	9455
	TUJUNGA (S)	TUB	42930
	TUJUNGA (S)	TVC	36720
	VISTA-ROCK	VR	1020
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			(109190)
sum			184340
SAN DIEGO AREA	ARLINGTON	AVC	932
	CALPINE	CAB	1538
	CALPINE	CAC	5988
	CALPINE	CAC2	2664
	CALPINE	CAD2	3044
	CARLSBAD (S)	CBB	1668
	CARLSBAD (S)	CBC	2485
	CARLSBAD (S)	CBD	840
	CARLSBAD (S)	CBE	402
	CARLSBAD (S)-URBAN	CCC	1485
	CARLSBAD (S)-URBAN	CCE	600
	CORRALITOS (S)	CSB	1420
	CORRALITOS (S)	CSC	2655
	CORRALITOS (S)	CSD	1894
	CROUCH	CTE	15736
	CROUCH	CTF	10416
	CROUCH	CUE	13052
	CROUCH	CUG	27751
	CROUCH	CVG	5806
	ELDER	EDC	1243

	ESCONDIDO	ESC	1813
	ESCONDIDO	ESD2	4160
	ESCONDIDO	ESE2	5050
	ESCONDIDO	EVC	628
	FALLBROOK-VISTA	FVD	6858
	FALLBROOK-VISTA	FVE	8444
	GRANGEVILLE	GOA	3610
	GREENFIELD	GRA	906
	GREENFIELD	GRB	3537
	GREENFIELD	GRC	2964
	GREENFIELD	GRD	1240
	KITCHEN CREEK	KCC	5123
	KITCHEN CREEK	KCD2	2039
	LA POSTA (S)	LAE2	29354
	LA POSTA (S)	LAE3	4329
	LA POSTA (S)	LCE	23061
	LA POSTA (S)	LCE2	31744
	LA POSTA (S)	LCF2	7270
	LA POSTA (S)-SHEEPHEAD	LDE	2890
	LA POSTA (S)-SHEEPHEAD	LDG	4112
	MARINA (S)	MLC	13538
	MARINA (S)	MLE	2105
	MECCA	MNA	2268
	MECCA	MNB	4679
	MECCA	MOA	1180
	MECCA	MPA2	3867
	MOTTSVILLE (S)	MVA	1587
	MOTTSVILLE (S)	MVC	32030
	MOTTSVILLE (S)	MVD	8412
	MOTTSVILLE (S)	MXA	4355
	REIFF	RKA	1949
	REIFF	RKB	1650
	REIFF	RKC	2105
	ROSITAS (S)	ROA	12923
	ROSITAS (S)	RRC	1708
	ROSITAS (S)	RSA	5450
	ROSITAS (S)	RSC	21790
	ROSITAS (S)	RSD	2155
	TUJUNGA (S)	TUB	19291
	VISALIA	VAA	15078
	VISALIA	VAB	17274
	VISALIA	VAC	6156
	VISALIA	VAD	1655
	VISALIA	VBB	1993
	VISALIA	VBC	558
	VISTA	VSC	4393
	VISTA	VSD	4997
	VISTA	VSD2	4012
	VISTA	VSE	12357
	VISTA	VSE2	5287
	VISTA	VSG	5841
	VISTA	VVD	7234
	VISTA	VVE	7204
	VISTA	VVG	8176
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			(241553)
sum			496008

SAN JOAQUIN COUNTY	ACAMPO	101	9540
	BISGANI (S)	109	1385
	COLUMBIA	130	10985
	COLUMBIA	131	2535
	COLUMBIA	132	2640
	COLUMBIA	133	1750
	DELHI (S)	141	1685
	DELHI (S)	142	20450
	DELHI (S)-URBAN	143	3675
	DELLO (S)	144	375
	DELLO (S)	145	1180
	DELLO (S)	146	1145
	DELLO (S)	147	400
	DELLO (S)	148	1290
	DEVRIES	149	9545
	GRANGEVILLE	166	7900
	GRANGEVILLE	167	3075
	HONCUT	175	7555
	KINGDON	189	6760
	MANTECA	196	9680
	NORD	201	735
	PIPER	213	470
	RAMOTH	216	2215
	RAMOTH	217	595
	RAMOTH	218	420
	REIFF	222	735
	REIFF	223	540
	SHIMA (S)	246	965
	TIMOR (S)	254	3135
	TINNIN (S)	255	16800
	TOKAY	256	31430
	TOKAY-URBAN	257	4650
	TUJUNGA (S)	259	3185
	VERITAS	265	595
	VERITAS	266	23440
	VERITAS	267	415
	VINA	272	1830
	WISFLAT-ARBURUA-SAN TIMOTEO	275	7425
	WISFLAT-ARBURUA-SAN TIMOTEO	276	3100
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			(55670)
sum			206230

SAN LUIS OBISPO CO., CARRIZO PLAIN AREA	ARNOLD (S)-SAN ANDREAS	339	
	ARNOLD (S)-SAN ANDREAS	340	
	BEAM-SAN TIMOTEO	229	
	BELLYACHE-SAN TIMOTEO	293	
	ELDER	474	
	ELDER	475	
	ELDER	540	
	LITHIC TORRIORTHENTS-SEMPER-ROCK	123	
	METZ (S)	480	

	PADRES	179	
	PADRES	180	
	PADRES	181	
	PADRES-WASIOJA	230	
	SAN EMIGDIO	149	
	SAN EMIGDIO	150	
	SAN EMIGDIO	154	
	SAN EMIGDIO	155	
	SAN TIMOTEO-SAN ANDREAS-BELLYSPRING	290	
	SAN TIMOTEO-SAN ANDREAS-BELLYSPRING	291	
	SAN TIMOTEO-SAN ANDREAS-BELLYSPRING	292	
	SEMPER	371	
	SEMPER	372	
	SEMPER-BADLAND	375	
	WASIOJA-PADRES	493	
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sum			
SAN LUIS OBISPO CO., COASTAL PART	ARNOLD (S)	102	3335
	ARNOLD (S)	103	3940
	BAYWOOD (S)	104	3545
	BAYWOOD (S)	105	1755
	BAYWOOD (S)	106	720
	BRIONES (S)	108	2090
	BRIONES (S)-PISMO	109	2320
	BRIONES (S)-TIERRA	110	6950
	CAPISTRANO	113	215
	CAPISTRANO	114	515
	CORRALITOS (S)	124	695
	CORRALITOS (S)	125	1310
	ELDER	135	1055
	ELDER	136	280
	ELDER	137	280
	ELDER	138	560
	ELDER	139	1650
	GAREY	140	790
	OCEANO (S)	184	14060
	OCEANO (S)	185	4980
	PISMO (S)	189	3660
	PISMO (S)-ROCK	190	2080
	PISMO (S)-TIERRA	191	3040
	PSAMMENTS (S)-FLUVENTS	192	3000
	PSAMMENTS (S)-FLUVENTS	193	800
	TUJUNGA (S)	219	1920
	TUJUNGA (S)	220	335
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			(60535)
sum			65880
SAN LUIS OBISPO CO., PASO ROBLES AREA	ARNOLD (S)	107	2565
	ARNOLD (S)-SAN ANDREAS	108	3580
	CIENEBA-ANDREGG	127	10470

	CIENEBA-VISTA	128	4700
	ELDER	138	1495
	ELDER	139	405
	ELDER	140	1785
	GAVIOTA-SAN ANDREAS	142	2015
	GAVIOTA-SAN ANDREAS	143	6600
	HANFORD-GREENFIELD	147	2515
	HANFORD-GREENFIELD	148	4815
	HANFORD-GREENFIELD	149	1595
	HANFORD-GREENFIELD	150	2895
	METZ (S)	166	4060
	METZ (S)-TUJUNGA (S)	167	2915
	OCEANO (S)	182	1315
	PICO	183	2695
	PICO	184	1975
	SAN ANDREAS	192	765
	SAN ANDREAS-ARUJO	193	4905
	SAN EMIGDIO	194	1035
	SAN EMIGDIO	195	2835
	VISTA	210	850
	VISTA-CIENEBA	211	4995
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			(14435)
sum			73780
SAN MATEO AREA	BAYWOOD (S)	BAB2	62
	BAYWOOD (S)	BAC2	158
	BAYWOOD (S)	BAD2	14
	CORRALITOS (S)	CRA	60
	CORRALITOS (S)	CSA	64
	CORRALITOS (S)	CSB	181
	CORRALITOS (S)	CTA	195
	CORRALITOS (S)	CTB	42
	CORRALITOS (S)	CUA	164
	CORRALITOS (S)	CWB	20
	CORRALITOS (S)	CYA	149
	SHERIDAN	SHD	41
	SHERIDAN	SHE	129
	SHERIDAN	SHF	1091
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			(1109)
sum			2370
SAN MATEO CO., E. PART AND S AN FRANCISCO CO.	SCARPER-MIRAMAR	128	2360
	SIRDRAK (S)	129	2340
	URBAN-SIRDRAK (S)	136	6655
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			(8995)
sum			11355
SANTA BARBARA CO., SOUTH COA STAL PART	AGUEDA-GOLETA	ABC	592
	ARNOLD (S)	AGD	260
	ARNOLD (S)	AGE2	393
	ARNOLD (S)	AGF2	400
	ARNOLD (S)	AGG	146

	BAYWOOD (S)	BCC	1007
	ELDER	EAA	1693
	ELDER	EAB	589
	ELDER-SOBOBA	EB	382
	GOLETA	GCA	2067
	GOLETA	GCC	1754
	GOLETA	GDA	1831
	METZ (S)	MC	184
	SAN ANDREAS-TIERRA	SAD2	201
	SAN ANDREAS-TIERRA	SAE2	744
	SAN ANDREAS-TIERRA	SAF2	502
	TIERRA-SAN ANDREAS	TAE2	303
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			(2390)
sum			13048
SANTA CRUZ COUNTY	BAYWOOD (S)	104	1495
	BAYWOOD (S)	105	2945
	BAYWOOD (S)	106	2420
	BAYWOOD (S)	107	1575
	BEN LOMOND	110	2290
	BEN LOMOND	111	3885
	BEN LOMOND	112	9030
	BEN LOMOND-CATELLI-SUR	113	23320
	BEN LOMOND-FELTON	114	4670
	BEN LOMOND-FELTON	115	20645
	ELDER	129	2940
	ELDER	130	2110
	ELDER	131	460
	ELKHORN-PFEIFFER	136	2815
	PFEIFFER	159	1610
	PFEIFFER	160	760
	SUR-CATELLI	173	19090
	ZAYANTE (S)	182	4310
	ZAYANTE (S)	183	1990
	ZAYANTE (S)-ROCK	184	845
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			(15580)
sum			109205
SHASTA AREA	CHAIX	CAE3	4875
	CHAIX	CAF3	7965
	CHAIX	CBD2	1430
	CHAIX	CBE	5205
	CHAIX	CBF	13505
	CORBETT (S)	CXE	1585
	CORBETT (S)	CXF3	6180
	CORBETT (S)	CXG	10270
	CORBETT (S)	CYG	745
	HONCUT	HD	780
	HONCUT	HE	845
	HONCUT	HF	295
	KANAKA	KBC	455
	KANAKA	KCD	1795
	KANAKA	KCE	2920
	KANAKA	KCF2	2380
	MOLINOS	MM	375

	MOLINOS	MN	415
	MOLINOS	MO	715
	REIFF	RFB	195
	REIFF	RGA	3430
	REIFF	RGB	550
	REIFF	RHA	345
	REIFF	RKA	500
	REIFF	RLA	4850
	REIFF	RMA	1245
	REIFF	RNA	330
	REIFF	ROA	260
	TUJUNGA (S)	TFA	420
	TUJUNGA (S)	TFB	175
	VINA	VEA	1510
	VINA	VFA	305
	VINA	VGB	335
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			(19375)
sum			77185
SIERRA VALLEY AREA	BECKWOURTH	BF	4564
	BECKWOURTH	BH	259
	BECKWOURTH	BK	778
	BECKWOURTH-LOYALTON	BMA	4423
	BECKWOURTH-ORMSBY (S)	BN	2045
	CALPINE	CAA	2649
	CALPINE	CAB	1226
	CALPINE	CAC	942
	CALPINE-LOVEJOY	CGB2	3856
	GLENBROOK (S)-ROCK	GRF	2595
	HAYPRESS-TOIYABE (S)	HTE	882
	HAYPRESS-TOIYABE (S)	HTG	1432
	MOTTSVILLE (S)	MRC	2197
	ORMSBY (S)	ORA	3592
	ORMSBY (S)	ORB	973
	ORMSBY (S)	OTA	442
	ORMSBY (S)	OTB	179
	QUINCY (S)	QUD	456
	SARALEGUI	SAD	1605
	SMITHNECK	SW	1407
	TOIYABE (S)-BONTA	TBE	1726
	TOIYABE (S)-BONTA	TBG	2763
	TROSI-SARALEGUI	TUF2	1548
**********			----------
			(19282)
sum			42539
SISKIYOU AREA, CENTRAL PART	CHAIX-CHAWANAKEE	119	2685
	CHAIX-CHAWANAKEE	120	8280
	CHAIX-CHAWANAKEE	121	11540
	GAZELLE	153	16480
	ODAS	198	2320
	ORSET	200	685
	REDOLA	210	765
	REDOLA	211	1905
	STONER	229	6505
	STONER	230	7840

	STONER	231	3535
**********			----------
sum			62540
SOLANO COUNTY	COLUMBIA	CM	961
	REIFF	RA	940
	TUJUNGA (S)	TU	1520
**********			----------
			(1520)
sum			3421
SONOMA COUNTY	BAYWOOD (S)	BAC	610
	BAYWOOD (S)	BAE	205
	PAJARO	PAA	1393
	PAJARO	PAB	455
	PAJARO	PBB	718
	PAJARO	PCA	1577
	PAJARO	PCB	1152
	SHERIDAN	SEE	219
**********			----------
			(815)
sum			6329
SURPRISE VALLEY-HOME CAMP AR EA (CA-NV)	DONICA-SURPRISE	DU	2721
	FOUR STAR	FO	2783
	FOUR STAR	FR	240
	FOUR STAR	FS	588
	FOUR STAR	FT	192
	LOLAK-ZORRAVISTA (S)	LN	4676
	LONGVAL	LOC	5069
	SURPRISE	SRA	809
	SURPRISE	SRB	8187
	SURPRISE	SRC	148
	SURVYA-ZORRAVISTA (S)	SV	794
	ZORRAVISTA (S)	ZOC	3995
	ZORRAVISTA (S)-COUCH	ZR	1372
**********			----------
			(10837)
sum			31574
SUTTER COUNTY	COLUMBIA	117	4685
	COLUMBIA	118	1695
	COLUMBIA	119	1475
	COLUMBIA	120	1050
	COLUMBIA	121	4150
	COLUMBIA	122	1325
	HOLILLIPAH (S)	133	2485
	HOLILLIPAH (S)	134	1355
	HOLILLIPAH (S)	135	2125
	HOLILLIPAH (S)	136	375
	PALLS-BOHNA VARIANT	155	3845
	PALLS-STOHLMAN	156	11575
	PALLS-STOHLMAN	157	7755
	STOHLMAN-PALLS	171	550
	STOHLMAN-PALLS	172	5455
**********			----------

			(6340)
sum			49900
TAHOE BASIN AREA	CAGWIN (S)-ROCK	CAD	2125
	CAGWIN (S)-ROCK	CAE	9110
	CAGWIN (S)-ROCK	CAF	15195
	ELMIRA (S)	EBC	420
	ELMIRA (S)	EBE	685
	ELMIRA (S)	ECE	330
	ELMIRA (S)-GEFO (S)	EFB	3125
	GEFO (S)	GEC	1335
	GEFO (S)	GED	300
	JABU	JAC	1720
	JABU	JAD	825
	JABU	JBD	275
	ROCK-CAGWIN (S)	RCF	4740
	ROCK-CAGWIN (S)	RCG	2550
	ROCK-TOEM (S)	RTF	11155
	ROCK-TOEM (S)	RTG	5160
	TOEM (S)-ROCK	TRE	915
	TOEM (S)-ROCK	TRF	5775
**********			----------
			(62920)
sum			65740
TEHAMA COUNTY AREA	COLUMBIA	CMA	2073
	COLUMBIA	CMB	1315
	COLUMBIA	CN	378
	COLUMBIA	CO	2292
	COLUMBIA	CPB	644
	COLUMBIA	CSA	6334
	COLUMBIA	CSB	1270
	COLUMBIA	CT	291
	COLUMBIA	CU	8367
	MAYWOOD	MC	706
	MAYWOOD	MD	562
	MAYWOOD	ME	634
	MAYWOOD	MF	4948
	MAYWOOD	MG	1216
	MAYWOOD	MH	628
	MOLINOS	MY	1797
	MOLINOS	MZ	960
	MOLINOS	MZD	463
	MOLINOS	MZM	975
	MOLINOS	MZR	4085
	MOLINOS	MZS	1980
	MOLINOS	MZT	1861
	VINA	VD	5362
	VINA	VNA	200
	VINA	VNB	67
	VINA	VW	791
	VINA	VY	1318
**********			----------
sum			51517
TRINITY CO., WEAVERVILLE ARE A	MINERSVILLE	177	

	TALLOWBOX-MINERSVILLE	198	
	TALLOWBOX-MINERSVILLE	199	
	VALCREEK-MINERSVILLE	203	
	VALCREEK-MINERSVILLE-CHO OP	204	
**********			----------
sum			
TULARE CO., CENTRAL PART	CROUCH	121	402
	CROUCH	122	848
	CROUCH-ROCK	123	15086
	GRANGEVILLE	131	5306
	GREENFIELD	132	1690
	GREENFIELD	133	2768
	HONCUT	139	2952
	HONCUT	140	3318
	SAN EMIGDIO	153	7194
	TUJUNGA (S)	164	7072
	VISTA	165	1738
	VISTA	166	5576
	VISTA	167	2556
	VISTA-ROCK	168	39208
	WALONG	169	522
	WALONG	170	1304
	WALONG-ROCK	171	8904
	YETTEM	176	4756
	YETTEM	177	2314
**********			----------
			(7072)
sum			113514
TULARE CO., W. PART	DELHI (S)	DHA	845
	EXCELSIOR	EEA	2500
	GRANGEVILLE	GRA	8680
	GRANGEVILLE	GRX	0
	HANFORD	HCA	19780
	KIMBERLINA	KIA	5220
	NORD	NOA	0
	TAGUS	TAA	19415
	TUJUNGA (S)	TUA	6155
	WASCO	WAA	10260
	YETTEM	YEA	1430
**********			----------
			(7000)
sum			74285
VENTURA AREA	ANACAPA	ACA	2345
	ANACAPA	ACC	4200
	ANACAPA	ANC	1810
	ARNOLD (S)	ASF	1504
	CALLEGUAS-ARNOLD (S)	CBF2	10410
	CASTAIC-SAUGUS	CGG2	15350
	CORRALITOS (S)	COA	760
	CORRALITOS (S)	COC	1232
	HUENEME	HM	1410

	HUENEME	HN	10600
	METZ (S)	MCA	2076
	METZ (S)	MCC	838
	METZ (S)	MEA	5515
	METZ (S)	MEC	1305
	METZ (S)	MFA	837
	PICO	PCA	7362
	PICO	PCC	2260
	PICO	PSA	2026
	SAN ANDREAS	SBF	5427
	SAUGUS	SHE	1160
	SAUGUS	SHF2	3348
	VINA	VAA	333
	VINA	VAC	1732
	VINA	VNC	826
	VINA	VSC	1540
**********			----------
			(24477)
sum			86206
WESTERN RIVERSIDE AREA	ANZA	ACC	400
	ANZA	ADA	670
	ANZA	ADC	380
	ARLINGTON	ANC	1220
	ARLINGTON	AND	540
	ARLINGTON	AOA	920
	ARLINGTON	AOC	5340
	ARLINGTON	AOD	530
	ARLINGTON	APB	2880
	ARLINGTON	ARB	1450
	ARLINGTON	ARD	1060
	ARLINGTON-GREENFIELD	ATC2	2120
	ARLINGTON-GREENFIELD	ATD2	3600
	ARLINGTON-GREENFIELD	ATF3	600
	CALPINE	CCC2	4400
	CALPINE	CCD2	880
	CALPINE	CDC2	480
	CRAFTON	CSF2	19500
	CRAFTON	CTF2	300
	CRAFTON	CUE	580
	CROUCH	CVD2	1010
	CROUCH	CWD2	2500
	CROUCH	CWE2	1460
	CROUCH	CYE2	3460
	CROUCH	CYF2	1900
	DELHI (S)	DAD2	3180
	DELHI (S)	DBA	1930
	DELLO (S)	DGB	630
	DELLO (S)	DMA	2010
	DELLO (S)	DNB	540
	DELLO (S)	DOA	790
	DELLO (S)	DPB	640
	DELLO (S)	DRA	1800
	ESCONDIDO	ECC2	1740
	ESCONDIDO	ECD2	3930
	ESCONDIDO	ECE2	890
	ESCONDIDO	EFF2	590

GORGONIO (S)	GHC	3250
GORGONIO (S)	GHD	1540
GORGONIO (S)	GKD	590
GORGONIO (S)	GLC	3020
GORGONIO (S)	GMD	8340
GORGONIO (S)	GND	2160
GRANGEVILLE	GOB	3270
GRANGEVILLE	GPB	800
GRANGEVILLE	GRB	770
GRANGEVILLE	GSB	830
GRANGEVILLE	GTA	4500
GRANGEVILLE	GTD	150
GRANGEVILLE	GUB	2380
GRANGEVILLE	GVB	2760
GRANGEVILLE	GWA	730
GRANGEVILLE	GXA	760
GREENFIELD	GYA	10200
GREENFIELD	GYC2	24000
GREENFIELD	GYD2	4200
GREENFIELD	GYE2	900
HANFORD	HAC	770
HANFORD	HCA	2970
HANFORD	HCC	39500
HANFORD	HCD2	10200
HANFORD	HDD2	2230
HANFORD	HEC2	450
HANFORD	HFD	1040
HANFORD	HGA	4500
HONCUT	HNC	1520
HONCUT	HND2	450
HONCUT	HOE	200
HONCUT	HUC2	1200
METZ (S)	MDC	640
METZ (S)	MED	1610
METZ (S)	MFA	790
METZ (S)	MGB	1750
METZ (S)	MHB	980
METZ (S)	MLD	1200
MOTTSVILLE (S)	MOC	4430
MOTTSVILLE (S)	MOD	3370
MOTTSVILLE (S)	MRE	880
MOTTSVILLE (S)	MSC	5020
MOTTSVILLE (S)	MSD	3050
MOTTSVILLE (S)	MTE2	1320
OAK GLEN	OGD	1460
OAK GLEN	OGE	860
OAK GLEN	OKD	910
PACHAPPA	PAA	3470
PACHAPPA	PAC2	3060
SAN EMIGDIO	SDD	770
SAN EMIGDIO	SEA	7660
SAN EMIGDIO	SEC2	6760
SAN EMIGDIO	SED2	1670
SAN EMIGDIO	SFA	3400
SAN EMIGDIO	SGA	3710
SAN EMIGDIO	SGC	4670
SAN EMIGDIO	SGD2	840

	SAN TIMOTEO	SME2	4010
	SAN TIMOTEO	SMF2	6800
	TRAVER	TP2	2210
	TRAVER	TR2	3340
	TRAVER	TS	1400
	TRAVER	TT2	2570
	TUJUNGA (S)	TUB	970
	TUJUNGA (S)	TVC	3600
	TUJUNGA (S)	TWC	1450
	VISALIA	VLC2	540
	VISALIA	VMA	350
	VISALIA	VMC	280
	VISTA	VSC	3300
	VISTA	VSD2	9630
	VISTA	VSF2	3470
	VISTA	VTF2	5070
**********			----------
			(61480)
sum			330300
YOLO COUNTY	LANG (S)	LA	2675
	LANG (S)	LB	2595
	LANG (S)	LC	320
	LANG (S)	LD	770
	LAUGENOUR	LG	2187
	LAUGENOUR	LH	1020
	LAUGENOUR	LK	1190
	REIFF	RA	6678
	REIFF	RB	1813
	TYNDALL	TB	4043
	TYNDALL	TC	1940
	TYNDALL	TD	755
	TYNDALL	TE	2357
	TYNDALL	TF	725
**********			----------
sum			29068
YUBA CO. AREA	CHAIX-CHAWANAKEE-HOTAW	135	
	CHAWANAKEE-CHAIX-HOTAW	136	
	COLUMBIA	137	
	COLUMBIA	138	
	COLUMBIA	139	
	COLUMBIA-URBAN	140	
	HOLILLIPAH (S)	161	
	HOLILLIPAH (S)	162	
	HOLILLIPAH (S)	163	
	OAKDALE	197	
	OAKDALE-URBAN	198	
	TUJUNGA (S)	249	
	TUJUNGA (S)	250	
	TUJUNGA (S)	251	
**********			----------
sum			
YUMA-WELLTON AREA	ANTHO	01	16990
	ANTHO	02	4105
	DATELAND	05	12491

	DATELAND	06	7037
	GILMAN	09	1213
	INDIO-LAGUNITA (S)-RIPLE Y	16	56650
	LAGUNITA (S)	18	10813
	LAGUNITA (S)	19	2662
	ROSITAS (S)	25	53272
	ROSITAS (S)-LIGURTA	26	18244
	SUPERSTITION (S)	28	42440
	SUPERSTITION (S)	29	2433
	TREMANT-ROSITAS (S)	31	52581
	VINT (S)	32	5714
	WELLTON	33	16542
	WELLTON-DATELAND-ROSITAS (S)	34	7802
**********			----------
			(252611)
sum			310989

1753 rows selected.

RRTeso April 16, 1996

Appendix 3

Soil Muid Layers With Mean Rates of Infiltration Greater Than 2 Inches Per Hour

Appendix 3

Definition of soil data elements found in the SSURGO data base data use information manual.

SSA (ssaid) – Soil Survey Symbol: three character numeric code which identifies the soil survey area.

Musym – Mapunit Symbol: the symbol used to identify the soil map unit on the soil map.

Muid - Mapunit Identification Symbol: A symbol created by concatenation of the soil survey area symbol (ssaid) and mapunit symbol (musym). It uniquely identifies a mapunit within a state.

Compname – Component Name: The name of the component (series, taxonomic unit, or miscellaneous area) of the mapunit.

Surftex – Surface Soil Texture: Code for the USDA texture for the surface layer or horizon.

Panha (Panhard) – Cemented Pan Thickness: The degree of induration and thickness of the cemented pan. A pan is rated as "THICK" if it is more than 3 inches thick and continually indurated or more than 18 inches thick and discontinuous or fractured. Pans not meeting these criteria are rated "THIN".

Layernum – Layer Number: The sequence number identifying layers in the soil profile. A layer number of 1 would indicate the layer is the surface layer.

Laydepl – Layer Depth: Depth to the upper boundary of the soil layer or horizon, expressed in inches.

Laydeph – Layer Depth: Depth to the lower boundary of the soil layer or horizon, expressed in inches.

Perml – Permeability Rate: The minimum value for the range in permeability rate for the soil layer or horizon, expressed as inches/hour.

Permh – Permeability Rate: The maximum value for the range in permeability rate for the soil layer or horizon, expressed as inches/hour.

This document is 205 pages in length and was not printed at this time. The data in this table can be found in the file called I:\water\Ground.Water\EH-07 document\appendix 3 permeability over 2.xls.

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
11	112	11112	Westfan	L		3	25	70	2	6
11	150	11150	Arbuckle	SL		1	0	17	2	6
11	150	11150	Arbuckle	SL		2	17	26	2	6
11	151	11151	Arbuckle	SL		1	0	17	2	6
11	151	11151	Arbuckle	SL		2	17	26	2	6
11	151	11151	Hillgate	L		1	0	17	2	6
11	151	11151	Hillgate	L		2	17	26	2	6
11	175	11175	Tujunga	L		2	10	62	6	20
11	185	11185	Riverwash	SL		1	0	3	2	6
11	185	11185	Riverwash	SL		2	3	60	2	6
11	187	11187	Westfan	L		3	25	70	2	6
11	189	11189	Cortina	GRV-SL		1	0	24	2	6
11	189	11189	Cortina	GRV-SL		2	24	65	2	6
11	190	11190	Cortina	GRV-L		3	32	60	2	6
11	232	11232	Maywood	GR-L		3	57	60	2	6
11	246	11246	Rock Outcrop	UWB		1	0	60	0.06	6
11	246	11246	Sehorn	C		1	0	60	0.06	6
11	253	11253	Altamont	C		1	0	60	0.06	6
11	253	11253	Millsholm	L		1	0	60	0.06	6
11	253	11253	Rock Outcrop	UWB		1	0	60	0.06	6
11	254	11254	Altamont	C		1	0	60	0.06	6
11	254	11254	Millsholm	L		1	0	60	0.06	6
11	254	11254	Rock Outcrop	UWB		1	0	60	0.06	6
11	255	11255	Millsholm	L		1	0	60	0.06	6
11	255	11255	Rock Outcrop	UWB		1	0	60	0.06	6
11	256	11256	Millsholm	L		1	0	60	0.06	6
11	256	11256	Rock Outcrop	UWB		1	0	60	0.06	6
11	275	11275	Balcom	SIL		1	0	21	2	6
11	275	11275	Goldeagle	SCL		1	0	21	2	6
11	275	11275	Positas	GR-SL		1	0	21	2	6
11	276	11276	Positas	GR-SL		1	0	21	2	6
11	331	11331	Millsholm	L		1	0	60	0.06	6
11	331	11331	Rock Outcrop	UWB		1	0	60	0.06	6
11	331	11331	Sehorn	C		1	0	60	0.06	6
11	332	11332	Millsholm	L		1	0	60	0.06	6
11	332	11332	Rock Outcrop	UWB		1	0	60	0.06	6
11	333	11333	Millsholm	L		1	0	60	0.06	6
11	333	11333	Rock Outcrop	UWB		1	0	60	0.06	6
11	524	11524	Cortina	GRV-SL		1	0	6	6	20
11	524	11524	Cortina	GRV-SL		1	0	24	2	6
11	524	11524	Cortina	GRV-SL		2	6	60	6	20
11	524	11524	Cortina	GRV-SL		2	24	65	6	20
11	524	11524	Riverwash	GR-S		1	0	6	6	20
11	524	11524	Riverwash	GR-S		1	0	24	2	6
11	524	11524	Riverwash	GR-S		2	6	60	6	20
11	524	11524	Riverwash	GR-S		2	24	65	6	20
11	526	11526	Etsel	GR-SL		1	0	3	2	6
11	526	11526	Etsel	GR-SL		2	3	16	2	6
11	526	11526	Marpa	GRV-SL		1	0	3	2	6
11	526	11526	Marpa	GRV-SL		2	3	16	2	6
11	526	11526	Maymen	SL		1	0	3	2	6
11	526	11526	Maymen	SL		2	3	16	2	6
11	527	11527	Etsel	GR-SL		1	0	3	2	6
11	527	11527	Etsel	GR-SL		2	3	16	2	6
11	527	11527	Maymen	SL		1	0	3	2	6
11	527	11527	Maymen	SL		2	3	16	2	6
11	527	11527	Speaker	GR-L		1	0	3	2	6
11	527	11527	Speaker	GR-L		2	3	16	2	6
11	528	11528	Etsel	GR-SL		1	0	3	2	6
11	528	11528	Etsel	GR-SL		2	3	16	2	6
11	528	11528	Maymen	SL		1	0	3	2	6
11	528	11528	Maymen	SL		2	3	16	2	6
11	528	11528	Snook	L		1	0	3	2	6
11	528	11528	Snook	L		2	3	16	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
11	529	11529	Etsel	GR-SL		1	0	5	2	6
11	529	11529	Etsel	GR-SL		1	0	3	2	6
11	529	11529	Etsel	GR-SL		2	3	16	2	6
11	529	11529	Mayacama	GRV-SL		1	0	5	2	6
11	529	11529	Mayacama	GRV-SL		1	0	3	2	6
11	529	11529	Mayacama	GRV-SL		2	3	16	2	6
11	529	11529	Maymen	SL		1	0	5	2	6
11	529	11529	Maymen	SL		1	0	3	2	6
11	529	11529	Maymen	SL		2	3	16	2	6
11	548	11548	Henneke	SL		1	0	4	2	6
11	548	11548	Okiota	L		1	0	4	2	6
11	549	11549	Henneke	SL		1	0	4	2	6
11	549	11549	Okiota	L		1	0	4	2	6
11	590	11590	Deadwood	GR-L		2	3	12	2	6
11	590	11590	Marpa	GRV-SL		2	3	12	2	6
11	590	11590	Neuns	GRV-L		2	3	12	2	6
11	591	11591	Deadwood	GR-L		2	3	12	2	6
11	591	11591	Neuns	GRV-L		2	3	12	2	6
11	591	11591	Sheetiron	GR-SL		2	3	12	2	6
11	592	11592	Deadwood	GR-L		2	3	12	2	6
11	592	11592	Neuns	GRV-L		2	3	12	2	6
11	592	11592	Sheetiron	GR-SL		2	3	12	2	6
11	596	11596	Freezeout	GRV-SL		1	0	5	2	6
11	596	11596	Freezeout	GRV-SL		1	0	60	0.06	6
11	596	11596	Freezeout	GRV-SL		2	5	25	2	6
11	596	11596	Rock Outcrop	UWB		1	0	5	2	6
11	596	11596	Rock Outcrop	UWB		1	0	60	0.06	6
11	596	11596	Rock Outcrop	UWB		2	5	25	2	6
11	596	11596	Yollabolly	GRV-SL		1	0	5	2	6
11	596	11596	Yollabolly	GRV-SL		1	0	60	0.06	6
11	596	11596	Yollabolly	GRV-SL		2	5	25	2	6
11	597	11597	Freezeout	GRV-SL		1	0	5	2	6
11	597	11597	Freezeout	GRV-SL		2	5	25	2	6
11	597	11597	Yollabolly	GRV-SL		1	0	5	2	6
11	597	11597	Yollabolly	GRV-SL		2	5	25	2	6
11	599	11599	Freezeout	GRV-SL		1	0	5	2	6
11	599	11599	Freezeout	GRV-SL		2	5	25	2	6
11	599	11599	Yollabolly	GRV-SL		1	0	5	2	6
11	599	11599	Yollabolly	GRV-SL		2	5	25	2	6
11	600	11600	Freezeout	GRV-SL		1	0	5	2	6
11	600	11600	Freezeout	GRV-SL		2	5	25	2	6
11	600	11600	Yollabolly	GRV-SL		1	0	5	2	6
11	600	11600	Yollabolly	GRV-SL		2	5	25	2	6
11	610	11610	Bamtush	GRV-L		2	3	12	2	6
11	610	11610	Deadwood	GR-L		2	3	12	2	6
11	610	11610	Neuns	GRV-L		2	3	12	2	6
31	101	31101	Armona	L		3	41	60	6	20
31	104	31104	Cajon	SL		1	0	11	2	6
31	104	31104	Cajon	SL		2	11	60	6	20
31	104	31104	Cajon	SL		3	60	70	6	20
31	105	31105	Cantua	COSL		1	0	6	2	6
31	105	31105	Cantua	COSL		2	6	55	2	6
31	106	31106	Cantua	COSL		1	0	6	2	6
31	106	31106	Cantua	COSL		2	6	55	2	6
31	109	31109	Delgado	SL		1	0	2	2	6
31	109	31109	Delgado	SL		2	2	10	2	6
31	110	31110	Delgado	SL		1	0	2	2	6
31	110	31110	Delgado	SL		2	2	10	2	6
31	111	31111	Delgado	GR-SL		1	0	2	2	6
31	111	31111	Delgado	GR-SL		2	2	10	2	6
31	114	31114	Gaviota	L		1	0	12	2	6
31	114	31114	Rock Outcrop			1	0	12	2	6
31	116	31116	Gepford	C		3	42	60	2	20
31	119	31119	Grangeville	SL		1	0	6	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
31	120	31120	Grangeville	FSL		1	0	10	2	6
31	120	31120	Grangeville	FSL		2	10	60	2	6
31	121	31121	Grangeville	FSL		1	0	10	2	6
31	124	31124	Homeland	FSL		3	15	60	2	6
31	125	31125	Houser	FSL		1	0	4	2	6
31	129	31129	Cantua	COSL		1	0	6	2	6
31	129	31129	Cantua	COSL		2	6	55	2	6
31	129	31129	Kettleman	L		1	0	6	2	6
31	129	31129	Kettleman	L		2	6	55	2	6
31	130	31130	Kimberlina	FSL		1	0	8	2	6
31	131	31131	Kimberlina	FSL		1	0	8	2	6
31	131	31131	Kimberlina	FSL		2	8	41	2	6
31	131	31131	Kimberlina	FSL		3	41	60	2	6
31	132	31132	Garces	L		1	0	8	2	6
31	132	31132	Kimberlina	FSL		1	0	8	2	6
31	144	31144	Milham	SL		1	0	14	2	6
31	155	31155	Rambla	LS		1	0	15	2	6
31	155	31155	Rambla	LS		2	15	19	2	6
31	155	31155	Rambla	LS		4	45	60	2	6
31	159	31159	Dystric Lithic Xeroc	GR-SL		1	0	6	2	6
31	159	31159	Rock Outcrop	UWB		1	0	6	2	6
31	162	31162	Sandridge	LFS		1	0	24	6	20
31	174	31174	Wasco	SL		1	0	20	2	6
31	174	31174	Wasco	SL		2	20	60	2	6
31	176	31176	Westhaven	L		4	72	84	2	6
31	177	31177	Westhaven	L		4	72	84	2	6
31	179	31179	Whitewolf	COSL		1	0	10	2	6
31	179	31179	Whitewolf	COSL		2	10	60	6	20
33	112	33112	Benridge	L		4	32	39	2	6
33	112	33112	Konocti	CB-L		4	32	39	2	6
33	112	33112	Konocti	ST-L		4	32	39	2	6
33	113	33113	Benridge	L		4	32	39	2	6
33	113	33113	Konocti	CB-L		4	32	39	2	6
33	113	33113	Konocti	ST-L		4	32	39	2	6
33	117	33117	Arrowhead	GRX-SL		1	0	1	6	20
33	117	33117	Arrowhead	GRX-SL		1	0	1	2	6
33	117	33117	Arrowhead	GRX-SL		1	0	5	6	20
33	117	33117	Arrowhead	GRX-SL		2	1	8	2	6
33	117	33117	Arrowhead	GRX-SL		2	5	19	2	6
33	117	33117	Bottlerock	GRX-L		1	0	1	6	20
33	117	33117	Bottlerock	GRX-L		1	0	1	2	6
33	117	33117	Bottlerock	GRX-L		1	0	5	6	20
33	117	33117	Bottlerock	GRX-L		2	1	8	2	6
33	117	33117	Bottlerock	GRX-L		2	5	19	2	6
33	117	33117	Glenview	GRV-L		1	0	1	6	20
33	117	33117	Glenview	GRV-L		1	0	1	2	6
33	117	33117	Glenview	GRV-L		1	0	5	6	20
33	117	33117	Glenview	GRV-L		2	1	8	2	6
33	117	33117	Glenview	GRV-L		2	5	19	2	6
33	118	33118	Arrowhead	GRX-SL		1	0	1	6	20
33	118	33118	Arrowhead	GRX-SL		1	0	1	2	6
33	118	33118	Arrowhead	GRX-SL		1	0	5	6	20
33	118	33118	Arrowhead	GRX-SL		2	1	8	2	6
33	118	33118	Arrowhead	GRX-SL		2	5	19	2	6
33	118	33118	Bottlerock	GRX-L		1	0	1	6	20
33	118	33118	Bottlerock	GRX-L		1	0	1	2	6
33	118	33118	Bottlerock	GRX-L		1	0	5	6	20
33	118	33118	Bottlerock	GRX-L		2	1	8	2	6
33	118	33118	Bottlerock	GRX-L		2	5	19	2	6
33	118	33118	Glenview	GRV-L		1	0	1	6	20
33	118	33118	Glenview	GRV-L		1	0	1	2	6
33	118	33118	Glenview	GRV-L		1	0	5	6	20
33	118	33118	Glenview	GRV-L		2	1	8	2	6
33	118	33118	Glenview	GRV-L		2	5	19	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
33	130	33130	Deadwood	GRV-SL		1	0	4	2	6
33	130	33130	Deadwood	GRV-SL		2	4	13	2	6
33	130	33130	Sheetiron	GR-SL		1	0	4	2	6
33	130	33130	Sheetiron	GR-SL		2	4	13	2	6
33	134	33134	Forward Variant	GRV-L		1	0	4	2	6
33	134	33134	Forward Variant	GRV-L		1	0	7	2	6
33	134	33134	Forward Variant	GRV-L		2	4	13	2	6
33	134	33134	Forward Variant	GRV-L		2	7	62	2	6
33	134	33134	Kidd	GR-L		1	0	4	2	6
33	134	33134	Kidd	GR-L		1	0	7	2	6
33	134	33134	Kidd	GR-L		2	4	13	2	6
33	134	33134	Kidd	GR-L		2	7	62	2	6
33	135	33135	Forward Variant	GRV-L		1	0	4	2	6
33	135	33135	Forward Variant	GRV-L		1	0	7	2	6
33	135	33135	Forward Variant	GRV-L		2	4	13	2	6
33	135	33135	Forward Variant	GRV-L		2	7	62	2	6
33	135	33135	Kidd	GR-L		1	0	4	2	6
33	135	33135	Kidd	GR-L		1	0	7	2	6
33	135	33135	Kidd	GR-L		2	4	13	2	6
33	135	33135	Kidd	GR-L		2	7	62	2	6
33	136	33136	Freezeout	GRV-SL		1	0	16	2	6
33	136	33136	Freezeout	GRV-SL		2	16	25	2	6
33	136	33136	Yollabolly	GRV-SL		1	0	16	2	6
33	136	33136	Yollabolly	GRV-SL		2	16	25	2	6
33	137	33137	Freezeout	GRV-SL		1	0	16	2	6
33	137	33137	Freezeout	GRV-SL		2	16	25	2	6
33	137	33137	Yollabolly	GRV-SL		1	0	16	2	6
33	137	33137	Yollabolly	GRV-SL		2	16	25	2	6
33	138	33138	Arrowhead	GRX-SL		1	0	1	6	20
33	138	33138	Arrowhead	GRX-SL		1	0	1	2	6
33	138	33138	Arrowhead	GRX-SL		2	1	8	2	6
33	138	33138	Glenview	GRV-L		1	0	1	6	20
33	138	33138	Glenview	GRV-L		1	0	1	2	6
33	138	33138	Glenview	GRV-L		2	1	8	2	6
33	139	33139	Arrowhead	GRX-SL		1	0	1	6	20
33	139	33139	Arrowhead	GRX-SL		1	0	1	2	6
33	139	33139	Arrowhead	GRX-SL		2	1	8	2	6
33	139	33139	Glenview	GRV-L		1	0	1	6	20
33	139	33139	Glenview	GRV-L		1	0	1	2	6
33	139	33139	Glenview	GRV-L		2	1	8	2	6
33	140	33140	Bottlerock	GRX-L		1	0	5	6	20
33	140	33140	Bottlerock	GRX-L		1	0	1	2	6
33	140	33140	Bottlerock	GRX-L		2	5	19	2	6
33	140	33140	Glenview	GRV-L		1	0	5	6	20
33	140	33140	Glenview	GRV-L		1	0	1	2	6
33	140	33140	Glenview	GRV-L		2	5	19	2	6
33	147	33147	Kelsey	FSL		1	0	11	2	6
33	147	33147	Kelsey	FSL		2	11	60	2	6
33	148	33148	Forward	L		1	0	9	2	6
33	148	33148	Forward	L		1	0	9	2	6
33	148	33148	Forward	L		2	9	25	2	6
33	148	33148	Forward	L		2	9	16	2	6
33	148	33148	Kidd	GR-L		1	0	9	2	6
33	148	33148	Kidd	GR-L		1	0	9	2	6
33	148	33148	Kidd	GR-L		2	9	25	2	6
33	148	33148	Kidd	GR-L		2	9	16	2	6
33	149	33149	Forward	L		1	0	9	2	6
33	149	33149	Forward	L		1	0	9	2	6
33	149	33149	Forward	L		2	9	25	2	6
33	149	33149	Forward	L		2	9	16	2	6
33	149	33149	Kidd	GR-L		1	0	9	2	6
33	149	33149	Kidd	GR-L		1	0	9	2	6
33	149	33149	Kidd	GR-L		2	9	25	2	6
33	149	33149	Kidd	GR-L		2	9	16	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
33	151	33151	Benridge	L		4	32	39	2	6
33	151	33151	Konocti	ST-L		4	32	39	2	6
33	151	33151	Konocti	CB-L		4	32	39	2	6
33	166	33166	Etsel	GR-L		1	0	5	2	6
33	166	33166	Mayacama	GRV-SL		1	0	5	2	6
33	166	33166	Maymen	GR-L		1	0	5	2	6
33	167	33167	Etsel	GR-L		1	0	5	2	6
33	167	33167	Mayacama	GRV-SL		1	0	5	2	6
33	167	33167	Maymen	GR-L		1	0	5	2	6
33	172	33172	Hopland	L		1	0	5	2	6
33	172	33172	Mayacama	GRV-SL		1	0	5	2	6
33	172	33172	Maymen	GR-L		1	0	5	2	6
33	173	33173	Hopland	L		1	0	5	2	6
33	173	33173	Mayacama	GRV-SL		1	0	5	2	6
33	173	33173	Maymen	GR-L		1	0	5	2	6
33	174	33174	Hopland	L		1	0	5	2	6
33	174	33174	Mayacama	GRV-SL		1	0	5	2	6
33	174	33174	Maymen	GR-L		1	0	5	2	6
33	176	33176	Maywood Variant	SL		1	0	10	2	6
33	183	33183	Bamtush	GR-L		1	0	4	2	6
33	183	33183	Bamtush	GR-L		2	4	13	2	6
33	183	33183	Deadwood	GRV-SL		1	0	4	2	6
33	183	33183	Deadwood	GRV-SL		2	4	13	2	6
33	183	33183	Neuns	GR-L		1	0	4	2	6
33	183	33183	Neuns	GR-L		2	4	13	2	6
33	184	33184	Bamtush	GR-L		1	0	4	2	6
33	184	33184	Bamtush	GR-L		2	4	13	2	6
33	184	33184	Deadwood	GRV-SL		1	0	4	2	6
33	184	33184	Deadwood	GRV-SL		2	4	13	2	6
33	184	33184	Neuns	GR-L		1	0	4	2	6
33	184	33184	Neuns	GR-L		2	4	13	2	6
33	185	33185	Decy	GR-SL		1	0	8	2	6
33	185	33185	Decy	GR-SL		2	8	15	2	6
33	185	33185	Decy	GR-SL		3	15	24	2	6
33	185	33185	Neuns	GR-L		1	0	8	2	6
33	185	33185	Neuns	GR-L		2	8	15	2	6
33	185	33185	Neuns	GR-L		3	15	24	2	6
33	185	33185	Sanhedrin	GR-L		1	0	8	2	6
33	185	33185	Sanhedrin	GR-L		2	8	15	2	6
33	185	33185	Sanhedrin	GR-L		3	15	24	2	6
33	186	33186	Deadwood	GRV-SL		1	0	4	2	6
33	186	33186	Deadwood	GRV-SL		2	4	13	2	6
33	186	33186	Neuns	GR-L		1	0	4	2	6
33	186	33186	Neuns	GR-L		2	4	13	2	6
33	186	33186	Sanhedrin	GR-L		1	0	4	2	6
33	186	33186	Sanhedrin	GR-L		2	4	13	2	6
33	187	33187	Deadwood	GRV-SL		1	0	4	2	6
33	187	33187	Deadwood	GRV-SL		2	4	13	2	6
33	187	33187	Neuns	GR-L		1	0	4	2	6
33	187	33187	Neuns	GR-L		2	4	13	2	6
33	187	33187	Sanhedrin	GR-L		1	0	4	2	6
33	187	33187	Sanhedrin	GR-L		2	4	13	2	6
33	189	33189	Deadwood	GRV-SL		1	0	4	2	6
33	189	33189	Deadwood	GRV-SL		2	4	13	2	6
33	189	33189	Neuns	GR-L		1	0	4	2	6
33	189	33189	Neuns	GR-L		2	4	13	2	6
33	189	33189	Sheetiron	GR-SL		1	0	4	2	6
33	189	33189	Sheetiron	GR-SL		2	4	13	2	6
33	190	33190	Deadwood	GRV-SL		1	0	4	2	6
33	190	33190	Deadwood	GRV-SL		2	4	13	2	6
33	190	33190	Neuns	GR-L		1	0	4	2	6
33	190	33190	Neuns	GR-L		2	4	13	2	6
33	190	33190	Sheetiron	GR-SL		1	0	4	2	6
33	190	33190	Sheetiron	GR-SL		2	4	13	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
33	203	33203	San Joaquin Variant	FSL	THICK	1	0	21	2	6
33	204	33204	Deadwood	GRV-SL		1	0	4	2	6
33	204	33204	Deadwood	GRV-SL		2	4	13	2	6
33	204	33204	Sheetiron	GR-SL		1	0	4	2	6
33	204	33204	Sheetiron	GR-SL		2	4	13	2	6
33	205	33205	Deadwood	GRV-SL		1	0	4	2	6
33	205	33205	Deadwood	GRV-SL		2	4	13	2	6
33	205	33205	Sheetiron	GR-SL		1	0	4	2	6
33	205	33205	Sheetiron	GR-SL		2	4	13	2	6
33	223	33223	Konocti	CB-L		4	32	39	2	6
33	223	33223	Konocti	ST-L		4	32	39	2	6
33	223	33223	Sodabay	L		4	32	39	2	6
33	233	33233	Still	L		3	52	70	6	20
33	235	33235	Still	GR-L		1	0	33	2	6
33	235	33235	Still	GR-L		2	33	70	2	6
33	235	33235	Talmage	GRV-SL		1	0	33	2	6
33	235	33235	Talmage	GRV-SL		2	33	70	2	6
33	237	33237	Talmage	GRV-SL		1	0	33	2	6
33	237	33237	Talmage	GRV-SL		2	33	70	2	6
33	250	33250	Freezeout	GRV-SL		1	0	16	2	6
33	250	33250	Freezeout	GRV-SL		2	16	25	2	6
33	250	33250	Yollabolly	GRV-SL		1	0	16	2	6
33	250	33250	Yollabolly	GRV-SL		2	16	25	2	6
33	251	33251	Freezeout	GRV-SL		1	0	16	2	6
33	251	33251	Freezeout	GRV-SL		2	16	25	2	6
33	251	33251	Rock Outcrop	UWB		1	0	16	2	6
33	251	33251	Rock Outcrop	UWB		2	16	25	2	6
33	251	33251	Yollabolly	GRV-SL		1	0	16	2	6
33	251	33251	Yollabolly	GRV-SL		2	16	25	2	6
41	114	41114	Cortina	GR-SL		1	0	10	2	6
41	114	41114	Cortina	GR-SL		2	10	44	2	6
41	114	41114	Cortina	GR-SL		3	44	60	6	20
41	136	41136	Kehoe	L		1	0	34	2	6
41	136	41136	Kehoe	L		2	34	38	2	6
41	137	41137	Kehoe	L		1	0	34	2	6
41	137	41137	Kehoe	L		2	34	38	2	6
41	138	41138	Kehoe Variant	COSL		1	0	41	2	6
41	138	41138	Kehoe Variant	COSL		2	41	49	2	6
41	139	41139	Kehoe Variant	COSL		1	0	41	2	6
41	139	41139	Kehoe Variant	COSL		2	41	49	2	6
41	153	41153	Palomarin	L		1	0	26	2	6
41	153	41153	Palomarin	L		2	26	50	2	6
41	153	41153	Wittenberg	GRV-L		1	0	26	2	6
41	153	41153	Wittenberg	GRV-L		2	26	50	2	6
41	154	41154	Palomarin	L		1	0	26	2	6
41	154	41154	Palomarin	L		2	26	50	2	6
41	154	41154	Wittenberg	GRV-L		1	0	26	2	6
41	154	41154	Wittenberg	GRV-L		2	26	50	2	6
41	155	41155	Palomarin	L		1	0	26	2	6
41	155	41155	Palomarin	L		2	26	50	2	6
41	155	41155	Wittenberg	GRV-L		1	0	26	2	6
41	155	41155	Wittenberg	GRV-L		2	26	50	2	6
41	156	41156	Palomarin	L		1	0	26	2	6
41	156	41156	Palomarin	L		2	26	50	2	6
41	156	41156	Wittenberg	GRV-L		1	0	26	2	6
41	156	41156	Wittenberg	GRV-L		2	26	50	2	6
41	167	41167	Sheridan Variant	COSL		1	0	26	2	6
41	167	41167	Sheridan Variant	COSL		2	26	31	2	6
41	168	41168	Sheridan Variant	COSL		1	0	26	2	6
41	168	41168	Sheridan Variant	COSL		2	26	31	2	6
41	169	41169	Sheridan Variant	COSL		1	0	26	2	6
41	169	41169	Sheridan Variant	COSL		2	26	31	2	6
41	170	41170	Sirdrak	S		1	0	16	6	20
41	170	41170	Sirdrak	S		2	16	48	6	20

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
41	170	41170	Sirdrak	S		3	48	73	6	20
41	171	41171	Sirdrak	S		1	0	16	6	20
41	171	41171	Sirdrak	S		2	16	48	6	20
41	171	41171	Sirdrak	S		3	48	73	6	20
41	172	41172	Sirdrak Variant	S	THICK	1	0	38	6	20
41	172	41172	Sirdrak Variant	S	THICK	3	59	72	6	20
41	178	41178	McMullin	GR-L		1	0	19	2	6
41	178	41178	McMullin	GR-L		2	19	39	2	6
41	178	41178	Tocaloma	L		1	0	19	2	6
41	178	41178	Tocaloma	L		2	19	39	2	6
41	179	41179	McMullin	GR-L		1	0	19	2	6
41	179	41179	McMullin	GR-L		2	19	39	2	6
41	179	41179	Tocaloma	L		1	0	19	2	6
41	179	41179	Tocaloma	L		2	19	39	2	6
41	180	41180	McMullin	GR-L		1	0	19	2	6
41	180	41180	McMullin	GR-L		2	19	39	2	6
41	180	41180	Tocaloma	L		1	0	19	2	6
41	180	41180	Tocaloma	L		2	19	39	2	6
41	181	41181	McMullin	GR-L		1	0	19	2	6
41	181	41181	McMullin	GR-L		2	19	39	2	6
41	181	41181	Tocaloma	L		1	0	19	2	6
41	181	41181	Tocaloma	L		2	19	39	2	6
41	181	41181	Urban Land			1	0	19	2	6
41	181	41181	Urban Land			2	19	39	2	6
41	182	41182	McMullin	GR-L		1	0	19	2	6
41	182	41182	McMullin	GR-L		2	19	39	2	6
41	182	41182	Tocaloma	L		1	0	19	2	6
41	182	41182	Tocaloma	L		2	19	39	2	6
41	182	41182	Urban Land			1	0	19	2	6
41	182	41182	Urban Land			2	19	39	2	6
41	183	41183	Saurin	CL		1	0	19	2	6
41	183	41183	Saurin	CL		2	19	39	2	6
41	183	41183	Tocaloma	L		1	0	19	2	6
41	183	41183	Tocaloma	L		2	19	39	2	6
41	184	41184	Saurin	CL		1	0	19	2	6
41	184	41184	Saurin	CL		2	19	39	2	6
41	184	41184	Tocaloma	L		1	0	19	2	6
41	184	41184	Tocaloma	L		2	19	39	2	6
41	185	41185	Saurin	CL		1	0	19	2	6
41	185	41185	Saurin	CL		2	19	39	2	6
41	185	41185	Tocaloma	L		1	0	19	2	6
41	185	41185	Tocaloma	L		2	19	39	2	6
55	110	55110	Boomer	L		1	0	7	2	6
55	110	55110	Boomer	L		1	0	4	2	6
55	110	55110	Boomer	L		2	4	35	2	6
55	110	55110	Felta	GRV-L		1	0	7	2	6
55	110	55110	Felta	GRV-L		1	0	4	2	6
55	110	55110	Felta	GRV-L		2	4	35	2	6
55	110	55110	Forward	GR-L		1	0	7	2	6
55	110	55110	Forward	GR-L		1	0	4	2	6
55	110	55110	Forward	GR-L		2	4	35	2	6
55	111	55111	Boomer	L		1	0	7	2	6
55	111	55111	Boomer	L		1	0	4	2	6
55	111	55111	Boomer	L		2	4	35	2	6
55	111	55111	Felta	GRV-L		1	0	7	2	6
55	111	55111	Felta	GRV-L		1	0	4	2	6
55	111	55111	Felta	GRV-L		2	4	35	2	6
55	111	55111	Forward	GR-L		1	0	7	2	6
55	111	55111	Forward	GR-L		1	0	4	2	6
55	111	55111	Forward	GR-L		2	4	35	2	6
55	117	55117	Clear Lake	FSL		1	0	18	2	6
55	122	55122	Coombs	GR-L		3	54	60	6	20
55	123	55123	Coombs	GR-L		3	54	60	6	20
55	124	55124	Cortina	GRV-L		1	0	11	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
55	124	55124	Cortina	GRV-L		3	11	60	6	20
55	125	55125	Cortina	STV-L		1	0	21	2	6
55	125	55125	Cortina	STV-L		2	21	60	6	20
55	138	55138	Forward	GR-L		1	0	4	2	6
55	138	55138	Forward	GR-L		2	4	35	2	6
55	139	55139	Forward	GR-L		1	0	4	2	6
55	139	55139	Forward	GR-L		2	4	35	2	6
55	140	55140	Forward	GR-L		1	0	4	2	6
55	140	55140	Forward	GR-L		2	4	35	2	6
55	141	55141	Forward	GR-L		1	0	14	2	6
55	141	55141	Forward	GR-L		1	0	4	2	6
55	141	55141	Forward	GR-L		2	4	35	2	6
55	141	55141	Kidd	L		1	0	14	2	6
55	141	55141	Kidd	L		1	0	4	2	6
55	141	55141	Kidd	L		2	4	35	2	6
55	155	55155	Kidd	L		1	0	14	2	6
55	156	55156	Kidd	L		1	0	14	2	6
55	177	55177	Kidd	L		1	0	14	2	6
55	177	55177	Rock Outcrop			1	0	14	2	6
67	103	67103	Andregg	COSL		1	0	11	2	6
67	103	67103	Andregg	COSL		2	11	32	2	6
67	104	67104	Andregg	COSL		1	0	11	2	6
67	104	67104	Andregg	COSL		2	11	32	2	6
67	105	67105	Andregg	COSL		1	0	11	2	6
67	105	67105	Andregg	COSL		2	11	32	2	6
67	105	67105	Urban Land	VAR		1	0	11	2	6
67	105	67105	Urban Land	VAR		2	11	32	2	6
67	106	67106	Andregg	COSL		1	0	11	2	6
67	106	67106	Andregg	COSL		2	11	32	2	6
67	106	67106	Urban Land	VAR		1	0	11	2	6
67	106	67106	Urban Land	VAR		2	11	32	2	6
67	111	67111	Bruella	SL		1	0	18	2	6
67	112	67112	Bruella	SL		1	0	18	2	6
67	116	67116	Columbia	SL		1	0	11	2	6
67	116	67116	Columbia	SL		2	11	60	2	6
67	117	67117	Columbia	SL		1	0	11	2	6
67	117	67117	Columbia	SL		2	11	60	2	6
67	118	67118	Columbia	SL		1	0	11	2	6
67	118	67118	Columbia	SL		2	11	60	2	6
67	119	67119	Columbia	SL		1	0	11	2	6
67	119	67119	Columbia	SL		2	11	43	2	6
67	120	67120	Columbia	SL		1	0	11	2	6
67	120	67120	Columbia	SL		2	11	43	2	6
67	121	67121	Columbia	SL		1	0	11	2	6
67	121	67121	Columbia	SL		2	11	43	2	6
67	122	67122	Columbia	FSL		1	0	14	2	6
67	122	67122	Columbia	FSL		2	14	42	2	6
67	122	67122	Columbia	FSL		4	54	67	2	6
67	123	67123	Columbia	SIL		2	12	60	2	6
67	124	67124	Columbia	SL		1	0	11	2	6
67	124	67124	Columbia	SL		2	11	43	2	6
67	124	67124	Urban Land	VAR		1	0	11	2	6
67	124	67124	Urban Land	VAR		2	11	43	2	6
67	132	67132	Creviscreek	SL		1	0	21	2	6
67	147	67147	Fiddyment	FSL	THIN	1	0	15	2	6
67	147	67147	Fiddyment	FSL	THIN	4	72	80	2	6
67	147	67147	Orangevale	COSL		1	0	15	2	6
67	147	67147	Orangevale	COSL		4	72	80	2	6
67	148	67148	Fiddyment	FSL	THIN	1	0	15	2	6
67	148	67148	Fiddyment	FSL	THIN	4	72	80	2	6
67	148	67148	Orangevale	COSL		1	0	15	2	6
67	148	67148	Orangevale	COSL		4	72	80	2	6
67	148	67148	Urban Land	VAR		1	0	15	2	6
67	148	67148	Urban Land	VAR		4	72	80	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
67	155	67155	Gazwell	MK-C		2	30	36	2	6
67	155	67155	Gazwell	MK-C		3	36	60	6	20
67	156	67156	Hadselville	SL		1	0	9	2	6
67	156	67156	Hadselville	SL		1	0	7	2	6
67	156	67156	Hadselville	SL		2	9	16	2	6
67	156	67156	Pentz	FSL		1	0	9	2	6
67	156	67156	Pentz	FSL		1	0	7	2	6
67	156	67156	Pentz	FSL		2	9	16	2	6
67	163	67163	Keyes	SL	THICK	1	0	9	2	6
67	167	67167	Lang	SL		1	0	12	2	6
67	167	67167	Lang	SL		2	12	60	6	20
67	168	67168	Lang	SL		1	0	12	2	6
67	168	67168	Lang	SL		2	12	60	6	20
67	168	67168	Urban Land	VAR		1	0	12	2	6
67	168	67168	Urban Land	VAR		2	12	60	6	20
67	169	67169	Laugenour	L		2	16	39	2	6
67	170	67170	Laugenour	L		2	16	39	2	6
67	170	67170	Urban Land	VAR		2	16	39	2	6
67	172	67172	Liveoak	SCL		3	48	60	2	6
67	173	67173	Liveoak	SCL		3	48	60	2	6
67	173	67173	Urban Land	VAR		3	48	60	2	6
67	177	67177	Medisaprists	MUCK		1	0	60	6	20
67	183	67183	Orangevale	COSL		1	0	15	2	6
67	183	67183	Orangevale	COSL		4	72	80	2	6
67	184	67184	Kaseburg	L	THIN	1	0	15	2	6
67	184	67184	Kaseburg	L	THIN	4	72	80	2	6
67	184	67184	Orangevale	COSL		1	0	15	2	6
67	184	67184	Orangevale	COSL		4	72	80	2	6
67	184	67184	Urban Land	VAR		1	0	15	2	6
67	184	67184	Urban Land	VAR		4	72	80	2	6
67	185	67185	Kaseburg	L	THIN	1	0	15	2	6
67	185	67185	Kaseburg	L	THIN	4	72	80	2	6
67	185	67185	Orangevale	COSL		1	0	15	2	6
67	185	67185	Orangevale	COSL		4	72	80	2	6
67	185	67185	Urban Land	VAR		1	0	15	2	6
67	185	67185	Urban Land	VAR		4	72	80	2	6
67	188	67188	Lithic Xerorthents	VAR		1	0	9	2	6
67	188	67188	Lithic Xerorthents	VAR		2	9	16	2	6
67	188	67188	Pentz	FSL		1	0	9	2	6
67	188	67188	Pentz	FSL		2	9	16	2	6
67	199	67199	Reiff	FSL		1	0	7	2	6
67	199	67199	Reiff	FSL		2	7	58	2	6
67	200	67200	Rindge	MUCK		1	0	16	6	20
67	200	67200	Rindge	MUCK		2	16	60	6	20
67	201	67201	Rindge	MK-SIL		1	0	13	2	6
67	201	67201	Rindge	MK-SIL		2	13	60	6	20
67	202	67202	Rindge	MK-CL		1	0	15	2	6
67	202	67202	Rindge	MK-CL		2	15	60	6	20
67	204	67204	Rossmore	FSL		1	0	6	2	6
67	204	67204	Rossmore	FSL		2	6	62	2	6
67	205	67205	Rossmore	FSL		1	0	6	2	6
67	205	67205	Rossmore	FSL		2	6	62	2	6
67	205	67205	Urban Land	VAR		1	0	6	2	6
67	205	67205	Urban Land	VAR		2	6	62	2	6
67	210	67210	Sailboat Variant	SICL		2	23	33	2	6
67	210	67210	Sailboat Variant	SICL		3	33	57	2	6
67	210	67210	Sailboat Variant	SICL		4	57	64	6	20
67	225	67225	Tinnin	LS		1	0	12	6	20
67	225	67225	Tinnin	LS		2	12	64	6	20
67	226	67226	Tinnin	LS		1	0	12	6	20
67	226	67226	Tinnin	LS		2	12	64	6	20
67	226	67226	Urban Land	VAR		1	0	12	6	20
67	226	67226	Urban Land	VAR		2	12	64	6	20
67	232	67232	Valpac Variant	SL		1	0	16	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
67	232	67232	Valpac Variant	SL		3	25	60	2	6
67	233	67233	Vina	FSL		1	0	5	2	6
67	234	67234	Vina	FSL		1	0	5	2	6
67	245	67245	Xerorthents, Dredge Tailings	FRAG		1	0	60	6	20
67	246	67246	Urban Land	VAR		1	0	60	6	20
67	246	67246	Xerorthents, Dredge Tailings	FRAG		1	0	60	6	20
77	101	77101	Acampo	SL	THIN	1	0	19	2	6
77	101	77101	Acampo	SL	THIN	2	19	47	2	6
77	109	77109	Bisgani	LCOS		1	0	11	6	20
77	109	77109	Bisgani	LCOS		2	11	60	6	20
77	111	77111	Bruella	SL		1	0	18	2	6
77	112	77112	Bruella	SL		1	0	8	2	6
77	127	77127	Chuloak	COSL		1	0	19	2	6
77	127	77127	Chuloak	COSL		3	44	55	2	6
77	127	77127	Chuloak	COSL		4	55	64	6	20
77	128	77128	Cogna	FSL		1	0	18	2	6
77	130	77130	Columbia	FSL		1	0	12	2	6
77	130	77130	Columbia	FSL		2	12	60	2	6
77	131	77131	Columbia	FSL		1	0	12	2	6
77	131	77131	Columbia	FSL		2	12	60	2	6
77	132	77132	Columbia	FSL		1	0	12	2	6
77	132	77132	Columbia	FSL		2	12	60	2	6
77	133	77133	Columbia	FSL		1	0	20	2	6
77	133	77133	Columbia	FSL		2	20	48	2	6
77	137	77137	Cortina	GR-SL		1	0	18	2	6
77	137	77137	Cortina	GR-SL		2	18	60	2	6
77	141	77141	Delhi	FS		1	0	10	6	20
77	141	77141	Delhi	FS		2	10	60	6	20
77	142	77142	Delhi	LS		1	0	16	6	20
77	142	77142	Delhi	LS		2	16	26	6	20
77	142	77142	Delhi	LS		3	26	60	6	20
77	143	77143	Delhi	LS		1	0	16	6	20
77	143	77143	Delhi	LS		2	16	26	6	20
77	143	77143	Delhi	LS		3	26	60	6	20
77	143	77143	Urban Land	VAR		1	0	16	6	20
77	143	77143	Urban Land	VAR		2	16	26	6	20
77	143	77143	Urban Land	VAR		3	26	60	6	20
77	144	77144	Dello	S		1	0	20	6	20
77	144	77144	Dello	S		2	20	60	6	20
77	145	77145	Dello	LS		1	0	7	6	20
77	145	77145	Dello	LS		2	7	60	6	20
77	146	77146	Dello	LS		1	0	10	6	20
77	146	77146	Dello	LS		2	10	60	6	20
77	147	77147	Dello	SL		1	0	16	2	6
77	147	77147	Dello	SL		2	16	43	6	20
77	148	77148	Dello	CL		2	12	60	6	20
77	149	77149	Devries	SL	THICK	1	0	13	2	6
77	149	77149	Devries	SL	THICK	2	13	28	2	6
77	154	77154	Egbert	SICL		3	40	60	6	20
77	166	77166	Grangeville	FSL		1	0	20	2	6
77	166	77166	Grangeville	FSL		2	20	60	2	6
77	167	77167	Grangeville	CL		2	16	32	2	6
77	167	77167	Grangeville	CL		3	32	60	2	6
77	175	77175	Honcut	SL		1	0	21	2	6
77	175	77175	Honcut	SL		2	21	60	2	6
77	184	77184	Kaseberg	LS	THIN	1	0	10	6	20
77	184	77184	Kaseberg	LS	THIN	2	10	16	6	20
77	187	77187	Bellota	SL	THIN	1	0	9	2	6
77	187	77187	Keyes	GR-L	THICK	1	0	9	2	6
77	189	77189	Kingdon	FSL		1	0	5	2	6
77	189	77189	Kingdon	FSL		2	5	14	2	6
77	189	77189	Kingdon	FSL		3	14	28	2	6
77	189	77189	Kingdon	FSL		5	42	61	2	6
77	190	77190	Kingile	MUCK		1	0	17	6	20

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
77	191	77191	Kingile	MUCK		1	0	17	6	20
77	191	77191	Ryde	CL		1	0	17	6	20
77	192	77192	Lithic Xerorthents	GR-SL		1	0	3	2	6
77	192	77192	Toomes	L		1	0	3	2	6
77	193	77193	Madera	SL	THICK	1	0	19	2	6
77	195	77195	Alamo	SL	THICK	1	0	10	2	6
77	195	77195	Madera	SL	THICK	1	0	10	2	6
77	196	77196	Manteca	FSL	THICK	1	0	11	2	6
77	196	77196	Manteca	FSL	THICK	5	54	74	2	6
77	199	77199	Montpellier	SL		1	0	18	2	6
77	200	77200	Cometa	SL		1	0	20	2	6
77	200	77200	Montpellier	COSL		1	0	20	2	6
77	205	77205	Peltier	MK-CL		4	44	60	6	20
77	206	77206	Pentz	SL		1	0	4	2	6
77	206	77206	Pentz	SL		2	4	15	2	6
77	207	77207	Pentz	SL		1	0	4	2	6
77	207	77207	Pentz	SL		2	4	15	2	6
77	208	77208	Pentz	CB-SL		1	0	8	2	6
77	208	77208	Pentz	CB-SL		2	8	13	2	6
77	209	77209	Bellota	L	THIN	1	0	7	2	6
77	209	77209	Bellota	L	THIN	2	7	14	2	6
77	209	77209	Pentz	L		1	0	7	2	6
77	209	77209	Pentz	L		2	7	14	2	6
77	210	77210	Pentz	GR-SL		1	0	10	2	6
77	210	77210	Pentz	GR-SL		2	10	14	2	6
77	210	77210	Redding	GR-SL	THICK	1	0	10	2	6
77	210	77210	Redding	GR-SL	THICK	2	10	14	2	6
77	213	77213	Piper	SL		3	39	60	2	6
77	216	77216	Ramoth	SL		1	0	14	2	6
77	216	77216	Ramoth	SL		2	14	32	2	6
77	216	77216	Ramoth	SL		4	54	60	2	6
77	217	77217	Ramoth	SL		1	0	14	2	6
77	217	77217	Ramoth	SL		2	14	32	2	6
77	217	77217	Ramoth	SL		4	54	60	2	6
77	218	77218	Ramoth	SL		1	0	14	2	6
77	218	77218	Ramoth	SL		2	14	32	2	6
77	218	77218	Ramoth	SL		4	54	60	2	6
77	222	77222	Reiff	FSL		1	0	9	2	6
77	222	77222	Reiff	FSL		2	9	56	2	6
77	223	77223	Reiff	L		1	0	7	2	6
77	223	77223	Reiff	L		2	7	55	2	6
77	224	77224	Rindge	MK-SIL		1	0	12	6	20
77	224	77224	Rindge	MK-SIL		2	12	60	6	20
77	225	77225	Rindge	MUCK		1	0	13	6	20
77	225	77225	Rindge	MUCK		2	13	60	6	20
77	231	77231	Ryde	SICL		3	40	60	6	20
77	232	77232	Ryde	CL		3	40	60	6	20
77	244	77244	Scribner	CL		3	44	60	6	20
77	246	77246	Shima	MUCK		1	0	21	6	20
77	246	77246	Shima	MUCK		3	23	60	20	20
77	247	77247	Shinkee	MUCK		1	0	22	6	20
77	248	77248	Stockton	FSL	THICK	1	0	16	2	6
77	254	77254	Timor	LS	THIN	1	0	14	6	20
77	254	77254	Timor	LS	THIN	2	14	56	6	20
77	255	77255	Tinnin	LCOS		1	0	28	6	20
77	255	77255	Tinnin	LCOS		2	28	53	6	20
77	255	77255	Tinnin	LCOS		3	53	75	6	20
77	256	77256	Tokay	FSL		1	0	19	2	6
77	256	77256	Tokay	FSL		2	19	45	2	6
77	256	77256	Tokay	FSL		3	45	60	2	6
77	257	77257	Tokay	FSL		1	0	19	2	6
77	257	77257	Tokay	FSL		2	19	45	2	6
77	257	77257	Tokay	FSL		3	45	60	2	6
77	257	77257	Urban Land	VAR		1	0	19	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
77	257	77257	Urban Land	VAR		2	19	45	2	6
77	257	77257	Urban Land	VAR		3	45	60	2	6
77	259	77259	Tujunga	LS		1	0	22	6	20
77	259	77259	Tujunga	LS		2	22	67	6	20
77	261	77261	Valdez	SIL		3	40	50	2	6
77	261	77261	Valdez	SIL		4	50	60	6	20
77	263	77263	Venice	MK-SIL		1	0	15	6	20
77	263	77263	Venice	MK-SIL		2	15	60	6	20
77	264	77264	Venice	MUCK		1	0	12	6	20
77	264	77264	Venice	MUCK		2	12	60	6	20
77	265	77265	Veritas	SL	THICK	1	0	19	2	6
77	265	77265	Veritas	SL	THICK	2	19	44	2	6
77	266	77266	Veritas	FSL	THICK	1	0	15	2	6
77	266	77266	Veritas	FSL	THICK	2	15	54	2	6
77	267	77267	Veritas	SICL	THICK	2	19	46	2	6
77	272	77272	Vina	FSL		1	0	9	2	6
77	273	77273	Webile	MUCK		1	0	39	6	20
77	275	77275	Arburua	CL		1	0	5	2	6
77	275	77275	Arburua	CL		1	0	3	2	6
77	275	77275	Arburua	CL		2	5	29	2	6
77	275	77275	Arburua	CL		2	3	10	2	6
77	275	77275	San Timoteo	SL		1	0	5	2	6
77	275	77275	San Timoteo	SL		1	0	3	2	6
77	275	77275	San Timoteo	SL		2	5	29	2	6
77	275	77275	San Timoteo	SL		2	3	10	2	6
77	275	77275	Wisflat	SL		1	0	5	2	6
77	275	77275	Wisflat	SL		1	0	3	2	6
77	275	77275	Wisflat	SL		2	5	29	2	6
77	275	77275	Wisflat	SL		2	3	10	2	6
77	276	77276	Arburua	CL		1	0	5	2	6
77	276	77276	Arburua	CL		1	0	3	2	6
77	276	77276	Arburua	CL		2	5	29	2	6
77	276	77276	Arburua	CL		2	3	10	2	6
77	276	77276	San Timoteo	SL		1	0	5	2	6
77	276	77276	San Timoteo	SL		1	0	3	2	6
77	276	77276	San Timoteo	SL		2	5	29	2	6
77	276	77276	San Timoteo	SL		2	3	10	2	6
77	276	77276	Wisflat	SL		1	0	5	2	6
77	276	77276	Wisflat	SL		1	0	3	2	6
77	276	77276	Wisflat	SL		2	5	29	2	6
77	276	77276	Wisflat	SL		2	3	10	2	6
87	104	87104	Baywood	LS		1	0	17	6	20
87	104	87104	Baywood	LS		2	17	61	6	20
87	105	87105	Baywood	LS		1	0	17	6	20
87	105	87105	Baywood	LS		2	17	61	6	20
87	106	87106	Baywood	LS		1	0	17	6	20
87	106	87106	Baywood	LS		2	17	61	6	20
87	107	87107	Baywood	LS		1	0	17	6	20
87	107	87107	Baywood	LS		2	17	61	6	20
87	108	87108	Baywood Variant	LS		1	0	10	6	20
87	108	87108	Baywood Variant	LS		2	10	38	6	20
87	110	87110	Ben Lomond	SL		1	0	19	2	6
87	110	87110	Ben Lomond	SL		2	19	46	2	6
87	111	87111	Ben Lomond	SL		1	0	19	2	6
87	111	87111	Ben Lomond	SL		2	19	46	2	6
87	112	87112	Ben Lomond	SL		1	0	19	2	6
87	112	87112	Ben Lomond	SL		2	19	46	2	6
87	113	87113	Ben Lomond	SL		1	0	18	2	6
87	113	87113	Ben Lomond	SL		1	0	7	2	6
87	113	87113	Ben Lomond	SL		1	0	19	2	6
87	113	87113	Ben Lomond	SL		2	18	35	2	6
87	113	87113	Ben Lomond	SL		2	7	37	2	6
87	113	87113	Ben Lomond	SL		2	19	46	2	6
87	113	87113	Catelli	SL		1	0	18	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
87	113	87113	Catelli	SL		1	0	7	2	6
87	113	87113	Catelli	SL		1	0	19	2	6
87	113	87113	Catelli	SL		2	18	35	2	6
87	113	87113	Catelli	SL		2	7	37	2	6
87	113	87113	Catelli	SL		2	19	46	2	6
87	113	87113	Sur	ST-SL		1	0	18	2	6
87	113	87113	Sur	ST-SL		1	0	7	2	6
87	113	87113	Sur	ST-SL		1	0	19	2	6
87	113	87113	Sur	ST-SL		2	18	35	2	6
87	113	87113	Sur	ST-SL		2	7	37	2	6
87	113	87113	Sur	ST-SL		2	19	46	2	6
87	114	87114	Ben Lomond	SL		1	0	11	2	6
87	114	87114	Ben Lomond	SL		1	0	19	2	6
87	114	87114	Ben Lomond	SL		2	19	46	2	6
87	114	87114	Felton	SL		1	0	11	2	6
87	114	87114	Felton	SL		1	0	19	2	6
87	114	87114	Felton	SL		2	19	46	2	6
87	115	87115	Ben Lomond	SL		1	0	11	2	6
87	115	87115	Ben Lomond	SL		1	0	19	2	6
87	115	87115	Ben Lomond	SL		2	19	46	2	6
87	115	87115	Felton	SL		1	0	11	2	6
87	115	87115	Felton	SL		1	0	19	2	6
87	115	87115	Felton	SL		2	19	46	2	6
87	132	87132	Elkhorn	SL		1	0	21	2	6
87	133	87133	Elkhorn	SL		1	0	21	2	6
87	134	87134	Elkhorn	SL		1	0	21	2	6
87	135	87135	Elkhorn	SL		1	0	21	2	6
87	136	87136	Elkhorn	SL		1	0	24	2	6
87	136	87136	Elkhorn	SL		1	0	21	2	6
87	136	87136	Elkhorn	SL		2	24	66	2	6
87	136	87136	Pfeiffer	GR-SL		1	0	24	2	6
87	136	87136	Pfeiffer	GR-SL		1	0	21	2	6
87	136	87136	Pfeiffer	GR-SL		2	24	66	2	6
87	138	87138	Felton	SL		1	0	11	2	6
87	140	87140	Hecker	GR-SL		1	0	9	2	6
87	141	87141	Hecker	GR-SL		1	0	9	2	6
87	142	87142	Felton	SL		1	0	11	2	6
87	142	87142	Felton	SL		1	0	5	2	6
87	142	87142	Lompico	L		1	0	11	2	6
87	142	87142	Lompico	L		1	0	5	2	6
87	143	87143	Felton	SL		1	0	11	2	6
87	143	87143	Felton	SL		1	0	5	2	6
87	143	87143	Lompico	L		1	0	11	2	6
87	143	87143	Lompico	L		1	0	5	2	6
87	144	87144	Felton	SL		1	0	11	2	6
87	144	87144	Felton	SL		1	0	5	2	6
87	144	87144	Lompico	L		1	0	11	2	6
87	144	87144	Lompico	L		1	0	5	2	6
87	149	87149	Madonna	L		1	0	16	2	6
87	152	87152	Madonna	L		1	0	16	2	6
87	152	87152	Maymen	ST-L		1	0	16	2	6
87	154	87154	Maymen Variant	SL		1	0	9	2	6
87	154	87154	Maymen Variant	SL		2	9	19	2	6
87	156	87156	Aptos	L		1	0	10	2	6
87	156	87156	Nisene	FSL		1	0	10	2	6
87	157	87157	Aptos	L		1	0	10	2	6
87	157	87157	Nisene	FSL		1	0	10	2	6
87	158	87158	Aptos	L		1	0	10	2	6
87	158	87158	Nisene	FSL		1	0	10	2	6
87	159	87159	Pfeiffer	GR-SL		1	0	38	2	6
87	159	87159	Pfeiffer	GR-SL		2	38	66	2	6
87	160	87160	Pfeiffer	GR-SL		1	0	38	2	6
87	160	87160	Pfeiffer	GR-SL		2	38	66	2	6
87	166	87166	San Emigdio Variant	SL		1	0	8	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
87	166	87166	San Emigdio Variant	SL		2	8	26	2	6
87	166	87166	San Emigdio Variant	SL		3	26	60	2	6
87	173	87173	Catelli	SL		1	0	7	2	6
87	173	87173	Catelli	SL		1	0	18	2	6
87	173	87173	Catelli	SL		2	7	37	2	6
87	173	87173	Catelli	SL		2	18	35	2	6
87	173	87173	Sur	ST-SL		1	0	7	2	6
87	173	87173	Sur	ST-SL		1	0	18	2	6
87	173	87173	Sur	ST-SL		2	7	37	2	6
87	173	87173	Sur	ST-SL		2	18	35	2	6
87	182	87182	Zayante	COS		1	0	30	6	20
87	182	87182	Zayante	COS		2	30	60	6	20
87	183	87183	Zayante	COS		1	0	30	6	20
87	183	87183	Zayante	COS		2	30	60	6	20
87	184	87184	Rock Outcrop	UWB		1	0	30	6	20
87	184	87184	Rock Outcrop	UWB		2	30	60	6	20
87	184	87184	Zayante	COS		1	0	30	6	20
87	184	87184	Zayante	COS		2	30	60	6	20
101	117	101117	Columbia	FSL		1	0	14	2	6
101	117	101117	Columbia	FSL		2	14	60	2	6
101	118	101118	Columbia	FSL		1	0	14	2	6
101	118	101118	Columbia	FSL		2	14	60	2	6
101	119	101119	Columbia	FSL		1	0	15	2	6
101	119	101119	Columbia	FSL		2	15	52	2	6
101	120	101120	Columbia	FSL		1	0	15	2	6
101	120	101120	Columbia	FSL		2	15	52	2	6
101	121	101121	Columbia	FSL		1	0	14	2	6
101	121	101121	Columbia	FSL		2	14	60	2	6
101	122	101122	Columbia	L		2	25	60	2	6
101	133	101133	Holillipah	LS		1	0	8	6	20
101	133	101133	Holillipah	LS		2	8	60	6	20
101	134	101134	Holillipah	LS		1	0	8	6	20
101	134	101134	Holillipah	LS		2	8	60	6	20
101	135	101135	Holillipah	LS		1	0	8	6	20
101	135	101135	Holillipah	LS		2	8	60	6	20
101	136	101136	Holillipah	SL		1	0	15	2	6
101	136	101136	Holillipah	SL		2	15	60	6	20
101	138	101138	Liveoak	SCL		3	53	60	2	6
101	147	101147	Ocraig	GR-COSL		1	0	2	2	6
101	147	101147	Ocraig	GR-COSL		2	2	8	2	6
101	148	101148	Ocraig	STV-COSL		1	0	2	2	6
101	148	101148	Ocraig	STV-COSL		2	2	8	2	6
101	149	101149	Ocraig	STV-COSL		1	0	2	2	6
101	149	101149	Ocraig	STV-COSL		2	2	8	2	6
101	149	101149	Rock Outcrop	UWB		1	0	2	2	6
101	149	101149	Rock Outcrop	UWB		2	2	8	2	6
101	150	101150	Olashes	SL		1	0	4	2	6
101	150	101150	Olashes	SL		3	52	60	6	20
101	151	101151	Olashes	SL		1	0	4	2	6
101	151	101151	Olashes	SL		3	52	60	6	20
101	152	101152	Olashes	SL		1	0	4	2	6
101	152	101152	Olashes	SL		3	52	60	6	20
101	155	101155	Bohna Variant	SL		1	0	7	2	6
101	155	101155	Bohna Variant	SL		1	0	8	2	6
101	155	101155	Bohna Variant	SL		2	8	31	2	6
101	155	101155	Palls	ST-SL		1	0	7	2	6
101	155	101155	Palls	ST-SL		1	0	8	2	6
101	155	101155	Palls	ST-SL		2	8	31	2	6
101	156	101156	Palls	ST-SL		1	0	7	2	6
101	156	101156	Palls	ST-SL		1	0	8	2	6
101	156	101156	Palls	ST-SL		2	7	16	2	6
101	156	101156	Palls	ST-SL		2	8	31	2	6
101	156	101156	Stohlman	ST-SL		1	0	7	2	6
101	156	101156	Stohlman	ST-SL		1	0	8	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
101	156	101156	Stohlman	ST-SL		2	7	16	2	6
101	156	101156	Stohlman	ST-SL		2	8	31	2	6
101	157	101157	Palls	ST-SL		1	0	7	2	6
101	157	101157	Palls	ST-SL		1	0	8	2	6
101	157	101157	Palls	ST-SL		2	7	16	2	6
101	157	101157	Palls	ST-SL		2	8	31	2	6
101	157	101157	Stohlman	ST-SL		1	0	7	2	6
101	157	101157	Stohlman	ST-SL		1	0	8	2	6
101	157	101157	Stohlman	ST-SL		2	7	16	2	6
101	157	101157	Stohlman	ST-SL		2	8	31	2	6
101	168	101168	Shanghai Variant	LS		1	0	18	6	20
101	171	101171	Palls	ST-SL		1	0	8	2	6
101	171	101171	Palls	ST-SL		1	0	7	2	6
101	171	101171	Palls	ST-SL		2	8	31	2	6
101	171	101171	Palls	ST-SL		2	7	16	2	6
101	171	101171	Stohlman	ST-SL		1	0	8	2	6
101	171	101171	Stohlman	ST-SL		1	0	7	2	6
101	171	101171	Stohlman	ST-SL		2	8	31	2	6
101	171	101171	Stohlman	ST-SL		2	7	16	2	6
101	172	101172	Palls	ST-SL		1	0	8	2	6
101	172	101172	Palls	ST-SL		1	0	7	2	6
101	172	101172	Palls	ST-SL		2	8	31	2	6
101	172	101172	Palls	ST-SL		2	7	16	2	6
101	172	101172	Stohlman	ST-SL		1	0	8	2	6
101	172	101172	Stohlman	ST-SL		1	0	7	2	6
101	172	101172	Stohlman	ST-SL		2	8	31	2	6
101	172	101172	Stohlman	ST-SL		2	7	16	2	6
602	101	602101	Asta	GR-SL		1	0	13	2	6
602	102	602102	Asta	GR-SL		1	0	13	2	6
602	103	602103	Asta	CB-SL		1	0	13	2	6
602	104	602104	Atter	GRV-SL		1	0	18	6	20
602	104	602104	Atter	GRV-SL		2	18	60	20	20
602	105	602105	Atter	CBV-SL		1	0	18	6	20
602	105	602105	Atter	CBV-SL		2	18	60	20	20
602	106	602106	Atter	BYV-LFS		1	0	23	20	20
602	106	602106	Atter	BYV-LFS		2	23	60	20	20
602	107	602107	Avis	STV-SL		1	0	12	6	20
602	107	602107	Avis	STV-SL		1	0	13	2	6
602	107	602107	Avis	STV-SL		2	12	28	6	20
602	107	602107	Avis	STV-SL		2	13	72	6	20
602	107	602107	Avis	STV-SL		3	28	75	6	20
602	107	602107	Oosen	LS		1	0	12	6	20
602	107	602107	Oosen	LS		1	0	13	2	6
602	107	602107	Oosen	LS		2	12	28	6	20
602	107	602107	Oosen	LS		2	13	72	6	20
602	107	602107	Oosen	LS		3	28	75	6	20
602	108	602108	Avis	STV-SL		1	0	12	6	20
602	108	602108	Avis	STV-SL		1	0	13	2	6
602	108	602108	Avis	STV-SL		2	12	28	6	20
602	108	602108	Avis	STV-SL		2	13	72	6	20
602	108	602108	Avis	STV-SL		3	28	75	6	20
602	108	602108	Oosen	LS		1	0	12	6	20
602	108	602108	Oosen	LS		1	0	13	2	6
602	108	602108	Oosen	LS		2	12	28	6	20
602	108	602108	Oosen	LS		2	13	72	6	20
602	108	602108	Oosen	LS		3	28	75	6	20
602	109	602109	Avis	STV-SL		1	0	13	2	6
602	109	602109	Avis	STV-SL		2	13	72	6	20
602	109	602109	Lava Flows			1	0	13	2	6
602	109	602109	Lava Flows			2	13	72	6	20
602	112	602112	Bonnet	L		1	0	14	2	6
602	112	602112	Bonnet	L		2	14	46	2	6
602	112	602112	Bonnet	L		3	46	61	6	20
602	113	602113	Bonnet	GR-L		1	0	14	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
602	113	602113	Bonnet	GR-L		2	14	46	2	6
602	113	602113	Bonnet	GR-L		3	46	61	6	20
602	114	602114	Bonnet	GR-L		1	0	14	2	6
602	114	602114	Bonnet	GR-L		2	14	46	2	6
602	114	602114	Bonnet	GR-L		3	46	61	6	20
602	117	602117	Boomer Variant	SL		1	0	25	2	6
602	118	602118	Boomer Variant	ST-SL		1	0	25	2	6
602	119	602119	Chaix	GR-COSL		1	0	16	2	6
602	119	602119	Chaix	GR-COSL		1	0	4	2	6
602	119	602119	Chaix	GR-COSL		2	4	34	2	6
602	119	602119	Chawanakee	GR-COSL		1	0	16	2	6
602	119	602119	Chawanakee	GR-COSL		1	0	4	2	6
602	119	602119	Chawanakee	GR-COSL		2	4	34	2	6
602	120	602120	Chaix	GR-COSL		1	0	16	2	6
602	120	602120	Chaix	GR-COSL		1	0	4	2	6
602	120	602120	Chaix	GR-COSL		2	4	34	2	6
602	120	602120	Chawanakee	GR-COSL		1	0	16	2	6
602	120	602120	Chawanakee	GR-COSL		1	0	4	2	6
602	120	602120	Chawanakee	GR-COSL		2	4	34	2	6
602	121	602121	Chaix	GR-COSL		1	0	16	2	6
602	121	602121	Chaix	GR-COSL		1	0	4	2	6
602	121	602121	Chaix	GR-COSL		2	4	34	2	6
602	121	602121	Chawanakee	GR-COSL		1	0	16	2	6
602	121	602121	Chawanakee	GR-COSL		1	0	4	2	6
602	121	602121	Chawanakee	GR-COSL		2	4	34	2	6
602	125	602125	Deetz	GR-LS		1	0	7	6	20
602	125	602125	Deetz	GR-LS		2	7	38	6	20
602	125	602125	Deetz	GR-LS		3	38	65	6	20
602	126	602126	Deetz	GR-LS		1	0	7	6	20
602	126	602126	Deetz	GR-LS		2	7	38	6	20
602	126	602126	Deetz	GR-LS		3	38	65	6	20
602	127	602127	Deetz	ST-LS		1	0	7	6	20
602	127	602127	Deetz	ST-LS		2	7	38	6	20
602	127	602127	Deetz	ST-LS		3	38	65	6	20
602	128	602128	Deetz	ST-LS		1	0	7	6	20
602	128	602128	Deetz	ST-LS		2	7	38	6	20
602	128	602128	Deetz	ST-LS		3	38	65	6	20
602	129	602129	Delaney	S		1	0	9	6	20
602	129	602129	Delaney	S		2	9	68	6	20
602	130	602130	Delaney	GR-S		1	0	9	6	20
602	130	602130	Delaney	GR-S		2	9	44	6	20
602	130	602130	Delaney	GR-S		3	44	68	6	20
602	131	602131	Delaney	ST-S		1	0	9	6	20
602	131	602131	Delaney	ST-S		2	9	45	6	20
602	132	602132	Delaney	SL		1	0	9	6	20
602	132	602132	Delaney	SL		2	9	68	6	20
602	133	602133	Delaney	SL		1	0	9	6	20
602	133	602133	Delaney	SL		2	9	68	6	20
602	134	602134	Delaney Variant	SI		2	7	14	2	6
602	134	602134	Delaney Variant	SI		4	22	34	2	6
602	134	602134	Delaney Variant	SI		6	53	60	6	20
602	138	602138	Diyou	L		3	40	62	6	20
602	153	602153	Gazelle	SIL	THIN	1	0	11	2	6
602	153	602153	Gazelle	SIL	THIN	2	11	25	2	6
602	155	602155	Hilt	SL		1	0	11	2	6
602	156	602156	Hilt	SL		1	0	11	2	6
602	157	602157	Hilt	ST-SL		1	0	11	2	6
602	158	602158	Hilt	ST-SL		1	0	11	2	6
602	158	602158	Rock Outcrop	UWB		1	0	11	2	6
602	175	602175	Lava Flows	FRAG		1	0	60	20	20
602	176	602176	Lava Flows	FRAG		1	0	60	20	20
602	176	602176	Xerorthents	VAR		1	0	60	20	20
602	177	602177	Lithic Haploxerolls	STV-SL		1	0	3	2	6
602	177	602177	Lithic Haploxerolls	STV-SL		2	3	15	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
602	177	602177	Rock Outcrop	UWB		1	0	3	2	6
602	177	602177	Rock Outcrop	UWB		2	3	15	2	6
602	179	602179	Louie	L	THIN	5	32	60	20	20
602	180	602180	Louie	L	THIN	5	32	60	20	20
602	181	602181	Louie	ST-L	THIN	5	32	60	6	20
602	182	602182	Louie Variant	SCL	THICK	3	26	33	0.6	6
602	196	602196	Neer	ST-SL		1	0	8	2	6
602	196	602196	Neer	ST-SL		1	0	9	6	20
602	196	602196	Neer	ST-SL		2	9	26	6	20
602	196	602196	Ponto	ST-SL		1	0	8	2	6
602	196	602196	Ponto	ST-SL		1	0	9	6	20
602	196	602196	Ponto	ST-SL		2	9	26	6	20
602	197	602197	Neer	GR-SL		1	0	8	2	6
602	197	602197	Neer	GR-SL		1	0	9	6	20
602	197	602197	Neer	GR-SL		2	8	53	2	6
602	197	602197	Neer	GR-SL		2	9	26	6	20
602	197	602197	Neer	GR-SL		3	53	80	2	6
602	197	602197	Ponto	SL		1	0	8	2	6
602	197	602197	Ponto	SL		1	0	9	6	20
602	197	602197	Ponto	SL		2	8	53	2	6
602	197	602197	Ponto	SL		2	9	26	6	20
602	197	602197	Ponto	SL		3	53	80	2	6
602	198	602198	Odas	SL		1	0	8	2	6
602	198	602198	Odas	SL		2	8	31	2	6
602	198	602198	Odas	SL		3	31	60	2	6
602	199	602199	Oosen	LS		1	0	12	6	20
602	199	602199	Oosen	LS		2	12	28	6	20
602	199	602199	Oosen	LS		3	28	75	6	20
602	200	602200	Orset	SL		1	0	13	2	6
602	207	602207	Plutos	LS		1	0	7	6	20
602	207	602207	Plutos	LS		2	7	23	6	20
602	207	602207	Rock Outcrop			1	0	7	6	20
602	207	602207	Rock Outcrop			2	7	23	6	20
602	208	602208	Ponto	SL		1	0	8	2	6
602	208	602208	Ponto	SL		2	8	53	2	6
602	208	602208	Ponto	SL		3	53	80	2	6
602	209	602209	Neer	GR-SL		1	0	9	6	20
602	209	602209	Neer	GR-SL		1	0	8	2	6
602	209	602209	Neer	GR-SL		2	9	26	6	20
602	209	602209	Neer	GR-SL		2	8	53	2	6
602	209	602209	Neer	GR-SL		3	53	80	2	6
602	209	602209	Ponto	SL		1	0	9	6	20
602	209	602209	Ponto	SL		1	0	8	2	6
602	209	602209	Ponto	SL		2	9	26	6	20
602	209	602209	Ponto	SL		2	8	53	2	6
602	209	602209	Ponto	SL		3	53	80	2	6
602	214	602214	Louie	ST-L	THIN	5	32	60	6	20
602	214	602214	Rock Outcrop			5	32	60	6	20
602	217	602217	Salisbury	CL	THICK	4	32	60	2	6
602	218	602218	Salisbury	CL	THICK	4	32	60	2	6
602	219	602219	Salisbury	GR-CL	THICK	4	32	60	2	6
602	220	602220	Salisbury	GR-CL	THICK	4	32	60	2	6
602	221	602221	Salisbury	CB-L	THICK	4	32	60	2	6
602	225	602225	Sheld	STV-SL		1	0	7	2	6
602	225	602225	Sheld	STV-SL		2	7	19	2	6
602	226	602226	Iller	ST-SL		1	0	13	2	6
602	226	602226	Iller	ST-SL		1	0	7	2	6
602	226	602226	Iller	ST-SL		2	13	28	2	6
602	226	602226	Iller	ST-SL		2	7	19	2	6
602	226	602226	Sheld	ST-SL		1	0	13	2	6
602	226	602226	Sheld	ST-SL		1	0	7	2	6
602	226	602226	Sheld	ST-SL		2	13	28	2	6
602	226	602226	Sheld	ST-SL		2	7	19	2	6
602	227	602227	Iller	ST-SL		1	0	13	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
602	227	602227	Iller	ST-SL		1	0	7	2	6
602	227	602227	Iller	ST-SL		2	13	28	2	6
602	227	602227	Iller	ST-SL		2	7	19	2	6
602	227	602227	Sheld	ST-SL		1	0	13	2	6
602	227	602227	Sheld	ST-SL		1	0	7	2	6
602	227	602227	Sheld	ST-SL		2	13	28	2	6
602	227	602227	Sheld	ST-SL		2	7	19	2	6
602	229	602229	Stoner	GR-SL		1	0	12	2	6
602	230	602230	Stoner	GR-SL		1	0	12	2	6
602	231	602231	Stoner	GR-SL		1	0	12	2	6
602	238	602238	Xerofluvents	GR-LS		1	0	10	6	20
602	238	602238	Xerofluvents	GR-LS		2	10	60	2	6
603	118	603118	Casuse	SL		1	0	2	2	6
603	133	603133	Donica	GR-CL		2	14	33	2	6
603	133	603133	Donica	GR-CL		3	33	60	6	20
603	139	603139	Fluvaquents	SL		1	0	10	2	6
603	140	603140	Gleason	L		1	0	4	2	6
603	140	603140	Gleason	L		2	4	22	2	6
603	140	603140	Gleason	L		3	22	35	2	6
603	140	603140	Gleason	L		4	35	50	6	20
603	141	603141	Gleason	GR-L		1	0	4	2	6
603	141	603141	Gleason	GR-L		2	4	22	2	6
603	141	603141	Gleason	GR-L		3	22	35	2	6
603	141	603141	Gleason	GR-L		4	35	50	6	20
603	143	603143	Gravel Pits	GRX-S		1	0	6	6	20
603	143	603143	Gravel Pits	GRX-S		2	6	60	6	20
603	150	603150	Ladd	SL		1	0	12	2	6
603	151	603151	Ladd	SL		1	0	12	2	6
603	154	603154	Lolak	SICL		3	44	60	2	6
603	161	603161	Deven	STV-CL		1	0	60	20	20
603	161	603161	Lorella, Deep Variant	STV-L		1	0	60	20	20
603	161	603161	Rubble Land			1	0	60	20	20
603	184	603184	Rubble Land	FRAG		1	0	60	20	20
603	191	603191	Tandy	LFS		1	0	30	2	6
603	191	603191	Tandy	LFS		2	30	69	0.2	6
603	193	603193	Casuse	SL		1	0	2	2	6
603	193	603193	Tuff Outcrop	UWB		1	0	2	2	6
603	194	603194	Casuse	SL		1	0	2	2	6
603	194	603194	Tuff Outcrop	UWB		1	0	2	2	6
603	200	603200	Xerofluvents	S		1	0	10	6	20
603	200	603200	Xerofluvents	S		2	10	60	6	20
604	101	604101	Adinot	GRV-SL		1	0	2	2	6
604	102	604102	Adinot	CBV-SL		1	0	2	2	6
604	103	604103	Adinot	CBV-SL		1	0	2	2	6
604	104	604104	Adinot	STV-SL		1	0	2	2	6
604	105	604105	Adinot	GRV-SL		1	0	2	2	6
604	105	604105	Adinot	GRV-SL		1	0	2	2	6
604	105	604105	Adinot	GRV-SL		1	0	2	2	6
604	105	604105	Adinot	GRV-SL		1	0	2	2	6
604	106	604106	Badenaugh	GRV-SL		1	0	12	2	6
604	106	604106	Badenaugh	GRV-SL		1	0	3	2	6
604	106	604106	Badenaugh	GRV-SL		2	12	33	2	6
604	106	604106	Badenaugh	GRV-SL		3	33	45	2	6
604	106	604106	Badenaugh	GRV-SL		4	45	60	2	6
604	106	604106	Matquaw	SL		1	0	12	2	6
604	106	604106	Matquaw	SL		1	0	3	2	6
604	106	604106	Matquaw	SL		2	12	33	2	6
604	106	604106	Matquaw	SL		3	33	45	2	6
604	106	604106	Matquaw	SL		4	45	60	2	6
604	109	604109	Blankout	COSL		1	0	1	6	20
604	109	604109	Blankout	COSL		1	0	9	6	20
604	109	604109	Blankout	COSL		2	1	19	6	20
604	109	604109	Blankout	COSL		2	9	18	6	20
604	109	604109	Blankout	COSL		3	19	51	6	20

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
604	109	604109	Blankout	COSL		3	18	62	6	20
604	109	604109	Blankout	COSL		4	51	67	2	6
604	109	604109	Blankout	COSL		4	62	81	6	20
604	109	604109	Blankout	COSL		5	67	75	6	20
604	109	604109	Medici	COSL		1	0	1	6	20
604	109	604109	Medici	COSL		1	0	9	6	20
604	109	604109	Medici	COSL		2	1	19	6	20
604	109	604109	Medici	COSL		2	9	18	6	20
604	109	604109	Medici	COSL		3	19	51	6	20
604	109	604109	Medici	COSL		3	18	62	6	20
604	109	604109	Medici	COSL		4	51	67	2	6
604	109	604109	Medici	COSL		4	62	81	6	20
604	109	604109	Medici	COSL		5	67	75	6	20
604	110	604110	Boardburn	SL		1	0	8	2	6
604	110	604110	Boardburn	SL		1	0	9	2	6
604	110	604110	Hambone	GR-SL		1	0	8	2	6
604	110	604110	Hambone	GR-SL		1	0	9	2	6
604	117	604117	Bundora	SL		1	0	7	2	6
604	117	604117	Bundora	SL		1	0	14	2	6
604	117	604117	Bundora	SL		2	7	17	2	6
604	117	604117	Bundora	SL		2	14	29	6	20
604	117	604117	Goulder	GR-SL		1	0	7	2	6
604	117	604117	Goulder	GR-SL		1	0	14	2	6
604	117	604117	Goulder	GR-SL		2	7	17	2	6
604	117	604117	Goulder	GR-SL		2	14	29	6	20
604	118	604118	Bundora	SL		1	0	7	2	6
604	118	604118	Bundora	SL		1	0	14	2	6
604	118	604118	Bundora	SL		2	7	17	2	6
604	118	604118	Bundora	SL		2	14	29	6	20
604	118	604118	Goulder	GR-SL		1	0	7	2	6
604	118	604118	Goulder	GR-SL		1	0	14	2	6
604	118	604118	Goulder	GR-SL		2	7	17	2	6
604	118	604118	Goulder	GR-SL		2	14	29	6	20
604	119	604119	Bundora	SL		1	0	7	2	6
604	119	604119	Bundora	SL		1	0	14	2	6
604	119	604119	Bundora	SL		2	7	17	2	6
604	119	604119	Bundora	SL		2	14	29	6	20
604	119	604119	Goulder	GR-SL		1	0	7	2	6
604	119	604119	Goulder	GR-SL		1	0	14	2	6
604	119	604119	Goulder	GR-SL		2	7	17	2	6
604	119	604119	Goulder	GR-SL		2	14	29	6	20
604	120	604120	Bunselmeier	GRV-SL		1	0	12	2	6
604	120	604120	Bunselmeier	GRV-SL		3	25	48	2	6
604	123	604123	Canyoncreek	SL		1	0	17	2	6
604	123	604123	Canyoncreek	SL		1	0	19	2	6
604	123	604123	Canyoncreek	SL		2	17	28	2	6
604	123	604123	Hermit	SL		1	0	17	2	6
604	123	604123	Hermit	SL		1	0	19	2	6
604	123	604123	Hermit	SL		2	17	28	2	6
604	124	604124	Canyoncreek	SL		1	0	17	2	6
604	124	604124	Canyoncreek	SL		1	0	14	2	6
604	124	604124	Canyoncreek	SL		2	17	28	2	6
604	124	604124	Hermit	SL		1	0	17	2	6
604	124	604124	Hermit	SL		1	0	14	2	6
604	124	604124	Hermit	SL		2	17	28	2	6
604	125	604125	Carberry	GR-FSL		1	0	5	2	6
604	125	604125	Carberry	GR-FSL		2	5	12	2	6
604	125	604125	Carberry	GR-FSL		3	12	17	2	6
604	125	604125	Carberry	GR-FSL		4	17	50	2	6
604	126	604126	Carberry	GR-FSL		1	0	5	2	6
604	126	604126	Carberry	GR-FSL		2	5	12	2	6
604	126	604126	Carberry	GR-FSL		3	12	17	2	6
604	126	604126	Carberry	GR-FSL		4	17	50	2	6
604	127	604127	Carberry	GR-FSL		1	0	5	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
604	127	604127	Carberry	GR-FSL		2	5	12	2	6
604	127	604127	Carberry	GR-FSL		3	12	17	2	6
604	127	604127	Carberry	GR-FSL		4	17	50	2	6
604	128	604128	Carberry	GR-FSL		1	0	6	2	6
604	128	604128	Carberry	GR-FSL		1	0	9	2	6
604	128	604128	Carberry	GR-FSL		2	6	80	2	6
604	128	604128	Carberry	GR-FSL		2	9	19	2	6
604	128	604128	Carberry	GR-FSL		3	19	60	2	6
604	128	604128	Ponto	SL		1	0	6	2	6
604	128	604128	Ponto	SL		1	0	9	2	6
604	128	604128	Ponto	SL		2	6	80	2	6
604	128	604128	Ponto	SL		2	9	19	2	6
604	128	604128	Ponto	SL		3	19	60	2	6
604	129	604129	Carberry	GR-FSL		1	0	6	2	6
604	129	604129	Carberry	GR-FSL		1	0	9	2	6
604	129	604129	Carberry	GR-FSL		2	6	80	2	6
604	129	604129	Carberry	GR-FSL		2	9	19	2	6
604	129	604129	Carberry	GR-FSL		3	19	60	2	6
604	129	604129	Ponto	SL		1	0	6	2	6
604	129	604129	Ponto	SL		1	0	9	2	6
604	129	604129	Ponto	SL		2	6	80	2	6
604	129	604129	Ponto	SL		2	9	19	2	6
604	129	604129	Ponto	SL		3	19	60	2	6
604	130	604130	Carberry	GR-FSL		1	0	9	2	6
604	130	604130	Carberry	GR-FSL		2	9	19	2	6
604	130	604130	Carberry	GR-FSL		3	19	60	2	6
604	130	604130	Lava Flows	UWB		1	0	9	2	6
604	130	604130	Lava Flows	UWB		2	9	19	2	6
604	130	604130	Lava Flows	UWB		3	19	60	2	6
604	132	604132	Chatterdown	FSL		1	0	10	2	6
604	132	604132	Chatterdown	FSL		1	0	15	2	6
604	132	604132	Chatterdown	FSL		2	10	36	2	6
604	132	604132	Chatterdown	FSL		2	15	30	2	6
604	132	604132	Chatterdown	FSL		3	30	47	2	6
604	132	604132	Chatterdown	FSL		4	47	63	2	6
604	132	604132	Nikal	GR-SL		1	0	10	2	6
604	132	604132	Nikal	GR-SL		1	0	15	2	6
604	132	604132	Nikal	GR-SL		2	10	36	2	6
604	132	604132	Nikal	GR-SL		2	15	30	2	6
604	132	604132	Nikal	GR-SL		3	30	47	2	6
604	132	604132	Nikal	GR-SL		4	47	63	2	6
604	133	604133	Chirpchatter	SL		1	0	13	2	6
604	133	604133	Chirpchatter	SL		1	0	7	2	6
604	133	604133	Chirpchatter	SL		3	32	70	2	6
604	133	604133	Hunsinger	GR-SL		1	0	13	2	6
604	133	604133	Hunsinger	GR-SL		1	0	7	2	6
604	133	604133	Hunsinger	GR-SL		3	32	70	2	6
604	134	604134	Coneward	LS	THIN	1	0	8	6	20
604	134	604134	Coneward	LS	THIN	2	8	55	6	20
604	134	604134	Coneward	LS	THIN	3	55	60	6	20
604	135	604135	Coneward	LS	THIN	1	0	8	6	20
604	135	604135	Coneward	LS	THIN	2	8	50	6	20
604	135	604135	Coneward	LS	THIN	3	50	60	6	20
604	136	604136	Coneward	LS	THIN	1	0	8	6	20
604	136	604136	Coneward	LS	THIN	2	8	50	6	20
604	136	604136	Coneward	LS	THIN	3	50	60	6	20
604	137	604137	Coneward	LS	THIN	1	0	8	6	20
604	137	604137	Coneward	LS	THIN	2	8	50	6	20
604	137	604137	Coneward	LS	THIN	3	50	60	6	20
604	137	604137	Lava Flows	UWB		1	0	8	6	20
604	137	604137	Lava Flows	UWB		2	8	50	6	20
604	137	604137	Lava Flows	UWB		3	50	60	6	20
604	138	604138	Cupvar	SIC	THIN	3	25	64	2	6
604	139	604139	Danhunt	GR-SL		1	0	2	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
604	139	604139	Danhunt	GR-SL		2	2	11	2	6
604	139	604139	Danhunt	GR-SL		3	11	22	2	6
604	139	604139	Danhunt	GR-SL		4	22	38	6	20
604	139	604139	Danhunt	GR-SL		5	38	61	6	20
604	140	604140	Danhunt	GR-SL		1	0	2	2	6
604	140	604140	Danhunt	GR-SL		2	2	11	2	6
604	140	604140	Danhunt	GR-SL		3	11	22	2	6
604	140	604140	Danhunt	GR-SL		4	22	38	6	20
604	140	604140	Danhunt	GR-SL		5	38	61	6	20
604	141	604141	Danhunt	GR-SL		1	0	2	2	6
604	141	604141	Danhunt	GR-SL		2	2	11	2	6
604	141	604141	Danhunt	GR-SL		3	11	22	2	6
604	141	604141	Danhunt	GR-SL		4	22	38	6	20
604	141	604141	Danhunt	GR-SL		5	38	61	6	20
604	144	604144	Dekkas	FSL		1	0	3	2	6
604	144	604144	Dekkas	FSL		2	3	34	20	20
604	144	604144	Dekkas	FSL		3	34	43	20	20
604	144	604144	Dekkas	FSL		4	43	54	20	20
604	144	604144	Dekkas	FSL		5	54	64	20	20
604	145	604145	Depner	GR-SL		1	0	16	2	6
604	145	604145	Depner	GR-SL		2	16	48	2	6
604	146	604146	Depner	GR-SL		1	0	16	2	6
604	146	604146	Depner	GR-SL		2	16	48	2	6
604	150	604150	Burman	L	THIN	4	39	72	2	6
604	150	604150	Dosa	SICL		4	39	72	2	6
604	152	604152	Dotta	SL		3	47	75	2	6
604	153	604153	Dotta	SL		3	29	72	2	6
604	154	604154	Dotta	SL		3	29	72	2	6
604	155	604155	Dotta	SL		3	29	72	2	6
604	156	604156	Dotta	SL		3	47	75	2	6
604	156	604156	Esperanza	L	THIN	3	47	75	2	6
604	157	604157	Dotta	SL		3	47	75	2	6
604	157	604157	Ricketts	CBV-L		3	47	75	2	6
604	158	604158	Dotta	GR-L		1	0	6	2	6
604	158	604158	Dotta	GR-L		3	54	64	2	6
604	158	604158	Searvar	GR-L		1	0	6	2	6
604	158	604158	Searvar	GR-L		3	54	64	2	6
604	159	604159	Dudgen	L	THIN	5	19	37	2	6
604	159	604159	Dudgen	L	THIN	6	35	64	2	20
604	159	604159	Dudgen	L	THIN	6	37	99	6	20
604	159	604159	Graven	SIL	THIN	5	19	37	2	6
604	159	604159	Graven	SIL	THIN	6	35	64	2	20
604	159	604159	Graven	SIL	THIN	6	37	99	6	20
604	160	604160	Dudgen	L	THIN	5	24	60	2	20
604	160	604160	Dudgen	L	THIN	5	19	60	6	20
604	160	604160	Graven	SIL	THIN	5	24	60	2	20
604	160	604160	Graven	SIL	THIN	5	19	60	6	20
604	161	604161	Esperanza	SL	THIN	1	0	6	2	6
604	169	604169	Gardens	L	THIN	4	42	52	2	6
604	169	604169	Gardens	L	THIN	5	52	75	2	6
604	169	604169	Gardens	L	THIN	5	30	33	2	6
604	169	604169	Gardens	L	THIN	6	33	62	0.2	6
604	169	604169	Jacksback	L		4	42	52	2	6
604	169	604169	Jacksback	L		5	52	75	2	6
604	169	604169	Jacksback	L		5	30	33	2	6
604	169	604169	Jacksback	L		6	33	62	0.2	6
604	170	604170	Gasper	GR-SL		1	0	16	2	6
604	170	604170	Gasper	GR-SL		1	0	4	2	6
604	170	604170	Gasper	GR-SL		2	16	24	2	6
604	170	604170	Gasper	GR-SL		2	4	16	2	6
604	170	604170	Gasper	GR-SL		3	16	38	2	6
604	170	604170	Scarface	SL		1	0	16	2	6
604	170	604170	Scarface	SL		1	0	4	2	6
604	170	604170	Scarface	SL		2	16	24	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
604	170	604170	Scarface	SL		2	4	16	2	6
604	170	604170	Scarface	SL		3	16	38	2	6
604	171	604171	Gasper	GR-SL		1	0	16	2	6
604	171	604171	Gasper	GR-SL		1	0	4	2	6
604	171	604171	Gasper	GR-SL		2	16	24	2	6
604	171	604171	Gasper	GR-SL		2	4	16	2	6
604	171	604171	Gasper	GR-SL		3	16	38	2	6
604	171	604171	Scarface	SL		1	0	16	2	6
604	171	604171	Scarface	SL		1	0	4	2	6
604	171	604171	Scarface	SL		2	16	24	2	6
604	171	604171	Scarface	SL		2	4	16	2	6
604	171	604171	Scarface	SL		3	16	38	2	6
604	172	604172	Gasper	GR-SL		1	0	5	2	6
604	172	604172	Gasper	GR-SL		1	0	5	2	6
604	172	604172	Gasper	GR-SL		2	5	30	2	6
604	172	604172	Gasper	GR-SL		2	5	44	2	6
604	172	604172	Scarface	SL		1	0	5	2	6
604	172	604172	Scarface	SL		1	0	5	2	6
604	172	604172	Scarface	SL		2	5	30	2	6
604	172	604172	Scarface	SL		2	5	44	2	6
604	173	604173	Gasper	GR-SL		1	0	5	2	6
604	173	604173	Gasper	GR-SL		1	0	5	2	6
604	173	604173	Gasper	GR-SL		2	5	30	2	6
604	173	604173	Gasper	GR-SL		2	5	44	2	6
604	173	604173	Scarface	SL		1	0	5	2	6
604	173	604173	Scarface	SL		1	0	5	2	6
604	173	604173	Scarface	SL		2	5	30	2	6
604	173	604173	Scarface	SL		2	5	44	2	6
604	174	604174	Gasper	GR-SL		1	0	5	2	6
604	174	604174	Gasper	GR-SL		1	0	5	2	6
604	174	604174	Gasper	GR-SL		2	5	30	2	6
604	174	604174	Gasper	GR-SL		2	5	44	2	6
604	174	604174	Scarface	SL		1	0	5	2	6
604	174	604174	Scarface	SL		1	0	5	2	6
604	174	604174	Scarface	SL		2	5	30	2	6
604	174	604174	Scarface	SL		2	5	44	2	6
604	176	604176	Gosch	STV-SL		1	0	4	2	6
604	176	604176	Gosch	STV-SL		2	4	8	2	6
604	177	604177	Gosch	GR-SL		1	0	4	2	6
604	177	604177	Gosch	GR-SL		1	0	3	2	6
604	177	604177	Gosch	GR-SL		2	3	9	2	6
604	177	604177	Witcher	SL		1	0	4	2	6
604	177	604177	Witcher	SL		1	0	3	2	6
604	177	604177	Witcher	SL		2	3	9	2	6
604	178	604178	Goulder	GR-SL		1	0	7	2	6
604	178	604178	Goulder	GR-SL		2	7	17	2	6
604	179	604179	Goulder	GR-SL		1	0	7	2	6
604	179	604179	Goulder	GR-SL		2	7	17	2	6
604	180	604180	Goulder	GR-SL		1	0	7	2	6
604	180	604180	Goulder	GR-SL		2	7	17	2	6
604	181	604181	Gullied Land	VAR		1	0	10	6	20
604	181	604181	Gullied Land	VAR		2	10	21	2	6
604	181	604181	Gullied Land	VAR		3	21	27	2	6
604	181	604181	Mounthat	GR-SL		1	0	10	6	20
604	181	604181	Mounthat	GR-SL		2	10	21	2	6
604	181	604181	Mounthat	GR-SL		3	21	27	2	6
604	181	604181	Rock Outcrop	UWB		1	0	10	6	20
604	181	604181	Rock Outcrop	UWB		2	10	21	2	6
604	181	604181	Rock Outcrop	UWB		3	21	27	2	6
604	182	604182	Boardburn	SL		1	0	9	2	6
604	182	604182	Boardburn	SL		1	0	8	2	6
604	182	604182	Hambone	GR-SL		1	0	9	2	6
604	182	604182	Hambone	GR-SL		1	0	8	2	6
604	183	604183	Boardburn	SL		1	0	9	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
604	183	604183	Boardburn	SL		1	0	8	2	6
604	183	604183	Hambone	GR-SL		1	0	9	2	6
604	183	604183	Hambone	GR-SL		1	0	8	2	6
604	186	604186	Canyoncreek	SL		1	0	19	2	6
604	186	604186	Canyoncreek	SL		1	0	15	2	6
604	186	604186	Canyoncreek	SL		2	15	26	2	6
604	186	604186	Hermit	SL		1	0	19	2	6
604	186	604186	Hermit	SL		1	0	15	2	6
604	186	604186	Hermit	SL		2	15	26	2	6
604	187	604187	Chirpchatter	SL		1	0	7	2	6
604	187	604187	Chirpchatter	SL		1	0	13	2	6
604	187	604187	Chirpchatter	SL		3	32	70	2	6
604	187	604187	Hunsinger	GR-SL		1	0	7	2	6
604	187	604187	Hunsinger	GR-SL		1	0	13	2	6
604	187	604187	Hunsinger	GR-SL		3	32	70	2	6
604	188	604188	Chirpchatter	SL		1	0	15	2	6
604	188	604188	Chirpchatter	SL		1	0	10	2	6
604	188	604188	Hunsinger	GR-SL		1	0	15	2	6
604	188	604188	Hunsinger	GR-SL		1	0	10	2	6
604	189	604189	Chirpchatter	SL		1	0	15	2	6
604	189	604189	Chirpchatter	SL		1	0	9	2	6
604	189	604189	Hunsinger	GR-SL		1	0	15	2	6
604	189	604189	Hunsinger	GR-SL		1	0	9	2	6
604	190	604190	Jacksback	L		4	42	52	2	6
604	190	604190	Jacksback	L		5	52	75	2	6
604	191	604191	Jadpor	GR-SL		1	0	20	2	6
604	192	604192	Jadpor	GRV-SL		1	0	5	2	6
604	193	604193	Jahjo	CBX-FSL		1	0	7	2	6
604	193	604193	Jahjo	CBX-FSL		1	0	2	2	6
604	193	604193	Jahjo	CBX-FSL		2	2	6	2	6
604	193	604193	Jahjo	CBX-FSL		3	6	12	2	6
604	193	604193	Lava Flows	UWB		1	0	7	2	6
604	193	604193	Lava Flows	UWB		1	0	2	2	6
604	193	604193	Lava Flows	UWB		2	2	6	2	6
604	193	604193	Lava Flows	UWB		3	6	12	2	6
604	193	604193	Loveness	SL		1	0	7	2	6
604	193	604193	Loveness	SL		1	0	2	2	6
604	193	604193	Loveness	SL		2	2	6	2	6
604	193	604193	Loveness	SL		3	6	12	2	6
604	207	604207	Jimmerson	L		1	0	12	2	6
604	207	604207	Jimmerson	ST-SL		1	0	12	2	6
604	208	604208	Jimmerson	L		1	0	12	2	6
604	208	604208	Jimmerson	ST-SL		1	0	12	2	6
604	209	604209	Jimmerson	ST-SL		1	0	12	2	6
604	209	604209	Jimmerson	L		1	0	12	2	6
604	211	604211	Keddie	MUCK		1	0	4	6	20
604	211	604211	Keddie	MUCK		3	42	60	2	6
604	214	604214	Kephart	GRV-LCOS		1	0	3	20	20
604	214	604214	Kephart	GRV-LCOS		1	0	3	20	20
604	214	604214	Kephart	GRV-LCOS		2	3	7	20	20
604	214	604214	Kephart	GRV-LCOS		2	3	8	20	20
604	214	604214	Kephart	GRV-LCOS		3	7	14	6	20
604	214	604214	Kephart	GRV-LCOS		3	8	19	6	20
604	214	604214	Kephart	GRV-LCOS		4	14	21	2	6
604	214	604214	Kephart	GRV-LCOS		4	19	25	2	6
604	214	604214	Kephart	GRV-LCOS		6	32	64	2	6
604	214	604214	Quaking	GRV-LCOS		1	0	3	20	20
604	214	604214	Quaking	GRV-LCOS		1	0	3	20	20
604	214	604214	Quaking	GRV-LCOS		2	3	7	20	20
604	214	604214	Quaking	GRV-LCOS		2	3	8	20	20
604	214	604214	Quaking	GRV-LCOS		3	7	14	6	20
604	214	604214	Quaking	GRV-LCOS		3	8	19	6	20
604	214	604214	Quaking	GRV-LCOS		4	14	21	2	6
604	214	604214	Quaking	GRV-LCOS		4	19	25	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
604	214	604214	Quaking	GRV-LCOS		6	32	64	2	6
604	230	604230	Lava Flows	UWB		1	0	6	6	20
604	230	604230	Lava Flows	UWB		2	6	32	6	20
604	230	604230	Neer	CBV-L		1	0	6	6	20
604	230	604230	Neer	CBV-L		2	6	32	6	20
604	231	604231	Longbell	GR-COSL		1	0	3	2	6
604	231	604231	Longbell	GR-COSL		2	3	30	20	20
604	231	604231	Longbell	GR-COSL		3	30	42	20	20
604	231	604231	Longbell	GR-COSL		4	42	72	20	20
604	232	604232	Lava Flows	UWB		1	0	3	2	6
604	232	604232	Lava Flows	UWB		2	3	30	20	20
604	232	604232	Lava Flows	UWB		3	30	42	20	20
604	232	604232	Lava Flows	UWB		4	42	72	20	20
604	232	604232	Longbell	GR-COSL		1	0	3	2	6
604	232	604232	Longbell	GR-COSL		2	3	30	20	20
604	232	604232	Longbell	GR-COSL		3	30	42	20	20
604	232	604232	Longbell	GR-COSL		4	42	72	20	20
604	237	604237	Lonkey	CB-SL		1	0	2	2	6
604	237	604237	Lonkey	CB-SL		1	0	4	2	6
604	237	604237	Malinda	GRV-SL		1	0	2	2	6
604	237	604237	Malinda	GRV-SL		1	0	4	2	6
604	238	604238	Lonkey	CB-SL		1	0	2	2	6
604	238	604238	Lonkey	CB-SL		1	0	4	2	6
604	238	604238	Malinda	GRV-SL		1	0	2	2	6
604	238	604238	Malinda	GRV-SL		1	0	4	2	6
604	239	604239	Lonkey	GR-SL		1	0	2	2	6
604	239	604239	Lonkey	GR-SL		1	0	16	2	6
604	239	604239	Malinda	GRV-SL		1	0	2	2	6
604	239	604239	Malinda	GRV-SL		1	0	16	2	6
604	240	604240	Fleener	SL		1	0	4	2	6
604	240	604240	Fleener	SL		1	0	7	2	6
604	240	604240	Fleener	SL		2	4	10	2	6
604	240	604240	Loveness	SL		1	0	4	2	6
604	240	604240	Loveness	SL		1	0	7	2	6
604	240	604240	Loveness	SL		2	4	10	2	6
604	241	604241	Fleener	SL		1	0	4	2	6
604	241	604241	Fleener	SL		1	0	7	2	6
604	241	604241	Fleener	SL		2	4	10	2	6
604	241	604241	Loveness	SL		1	0	4	2	6
604	241	604241	Loveness	SL		1	0	7	2	6
604	241	604241	Loveness	SL		2	4	10	2	6
604	243	604243	Malinda	GRX-SL		1	0	3	2	6
604	244	604244	Malinda	GRX-SL		1	0	3	2	6
604	245	604245	Malinda	GRX-SL		1	0	3	2	6
604	247	604247	Matquaw	GR-SL		1	0	4	2	6
604	247	604247	Matquaw	GR-SL		2	4	10	2	6
604	247	604247	Matquaw	GR-SL		3	10	27	2	6
604	247	604247	Matquaw	GR-SL		4	27	34	6	20
604	247	604247	Matquaw	GR-SL		5	34	72	6	20
604	248	604248	Matquaw	GRV-SL		1	0	4	2	6
604	248	604248	Matquaw	GRV-SL		2	4	10	2	6
604	248	604248	Matquaw	GRV-SL		3	10	27	2	6
604	248	604248	Matquaw	GRV-SL		4	27	34	6	20
604	248	604248	Matquaw	GRV-SL		5	34	72	6	20
604	249	604249	Blankout	COSL		1	0	9	6	20
604	249	604249	Blankout	COSL		1	0	1	6	20
604	249	604249	Blankout	COSL		2	9	18	6	20
604	249	604249	Blankout	COSL		2	1	19	6	20
604	249	604249	Blankout	COSL		3	18	62	6	20
604	249	604249	Blankout	COSL		3	19	51	6	20
604	249	604249	Blankout	COSL		4	62	81	6	20
604	249	604249	Blankout	COSL		4	51	67	2	6
604	249	604249	Blankout	COSL		5	67	75	6	20
604	249	604249	Medici	COSL		1	0	9	6	20

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
604	249	604249	Medici	COSL		1	0	1	6	20
604	249	604249	Medici	COSL		2	9	18	6	20
604	249	604249	Medici	COSL		2	1	19	6	20
604	249	604249	Medici	COSL		3	18	62	6	20
604	249	604249	Medici	COSL		3	19	51	6	20
604	249	604249	Medici	COSL		4	62	81	6	20
604	249	604249	Medici	COSL		4	51	67	2	6
604	249	604249	Medici	COSL		5	67	75	6	20
604	250	604250	Medlake	GR-COSL		1	0	2	6	20
604	250	604250	Medlake	GR-COSL		2	2	6	20	20
604	250	604250	Medlake	GR-COSL		3	6	32	20	20
604	250	604250	Medlake	GR-COSL		4	32	69	6	20
604	250	604250	Medlake	GR-COSL		5	69	75	2	6
604	251	604251	Medlake	GR-COSL		1	0	2	6	20
604	251	604251	Medlake	GR-COSL		2	2	6	20	20
604	251	604251	Medlake	GR-COSL		3	6	32	20	20
604	251	604251	Medlake	GR-COSL		4	32	69	6	20
604	251	604251	Medlake	GR-COSL		5	69	75	2	6
604	254	604254	Mounthat	GR-SL		1	0	10	6	20
604	254	604254	Mounthat	GR-SL		2	10	21	2	6
604	254	604254	Mounthat	GR-SL		3	21	27	2	6
604	254	604254	Rock Outcrop	UWB		1	0	10	6	20
604	254	604254	Rock Outcrop	UWB		2	10	21	2	6
604	254	604254	Rock Outcrop	UWB		3	21	27	2	6
604	256	604256	Nanny	GR-SL		1	0	8	2	6
604	256	604256	Nanny	GR-SL		2	8	60	2	6
604	257	604257	Neer	GR-SL		1	0	16	6	20
604	257	604257	Neer	GR-SL		2	16	36	6	20
604	258	604258	Neer	GR-SL		1	0	6	2	6
604	258	604258	Neer	GR-SL		1	0	10	6	20
604	258	604258	Neer	GR-SL		2	6	62	2	6
604	258	604258	Neer	GR-SL		2	10	24	6	20
604	258	604258	Neer	GR-SL		3	24	39	6	20
604	258	604258	Ponto	SL		1	0	6	2	6
604	258	604258	Ponto	SL		1	0	10	6	20
604	258	604258	Ponto	SL		2	6	62	2	6
604	258	604258	Ponto	SL		2	10	24	6	20
604	258	604258	Ponto	SL		3	24	39	6	20
604	259	604259	Neer	GR-SL		1	0	8	2	6
604	259	604259	Neer	GR-SL		1	0	16	6	20
604	259	604259	Neer	GR-SL		2	8	68	2	6
604	259	604259	Neer	GR-SL		2	16	36	6	20
604	259	604259	Ponto	SL		1	0	8	2	6
604	259	604259	Ponto	SL		1	0	16	6	20
604	259	604259	Ponto	SL		2	8	68	2	6
604	259	604259	Ponto	SL		2	16	36	6	20
604	260	604260	Neer	GR-SL		1	0	8	2	6
604	260	604260	Neer	GR-SL		1	0	16	6	20
604	260	604260	Neer	GR-SL		2	8	68	2	6
604	260	604260	Neer	GR-SL		2	16	36	6	20
604	260	604260	Ponto	SL		1	0	8	2	6
604	260	604260	Ponto	SL		1	0	16	6	20
604	260	604260	Ponto	SL		2	8	68	2	6
604	260	604260	Ponto	SL		2	16	36	6	20
604	264	604264	Chatterdown	FSL		1	0	15	2	6
604	264	604264	Chatterdown	FSL		1	0	18	2	6
604	264	604264	Chatterdown	FSL		2	15	30	2	6
604	264	604264	Chatterdown	FSL		2	18	28	2	6
604	264	604264	Chatterdown	FSL		3	30	47	2	6
604	264	604264	Chatterdown	FSL		3	28	36	2	6
604	264	604264	Chatterdown	FSL		4	47	63	2	6
604	264	604264	Lava Flows	UWB		1	0	15	2	6
604	264	604264	Lava Flows	UWB		1	0	18	2	6
604	264	604264	Lava Flows	UWB		2	15	30	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
604	264	604264	Lava Flows	UWB		2	18	28	2	6
604	264	604264	Lava Flows	UWB		3	30	47	2	6
604	264	604264	Lava Flows	UWB		3	28	36	2	6
604	264	604264	Lava Flows	UWB		4	47	63	2	6
604	264	604264	Nikal	SL		1	0	15	2	6
604	264	604264	Nikal	SL		1	0	18	2	6
604	264	604264	Nikal	SL		2	15	30	2	6
604	264	604264	Nikal	SL		2	18	28	2	6
604	264	604264	Nikal	SL		3	30	47	2	6
604	264	604264	Nikal	SL		3	28	36	2	6
604	264	604264	Nikal	SL		4	47	63	2	6
604	266	604266	Mounthat	GR-SL		1	0	10	6	20
604	266	604266	Mounthat	GR-SL		1	0	7	2	6
604	266	604266	Mounthat	GR-SL		2	10	21	2	6
604	266	604266	Mounthat	GR-SL		2	7	20	2	6
604	266	604266	Mounthat	GR-SL		3	21	27	2	6
604	266	604266	Mounthat	GR-SL		3	20	35	2	6
604	266	604266	Mounthat	GR-SL		4	35	46	2	6
604	266	604266	Obie	GRV-SL		1	0	10	6	20
604	266	604266	Obie	GRV-SL		1	0	7	2	6
604	266	604266	Obie	GRV-SL		2	10	21	2	6
604	266	604266	Obie	GRV-SL		2	7	20	2	6
604	266	604266	Obie	GRV-SL		3	21	27	2	6
604	266	604266	Obie	GRV-SL		3	20	35	2	6
604	266	604266	Obie	GRV-SL		4	35	46	2	6
604	267	604267	Mounthat	GR-SL		1	0	10	6	20
604	267	604267	Mounthat	GR-SL		1	0	7	2	6
604	267	604267	Mounthat	GR-SL		2	10	21	2	6
604	267	604267	Mounthat	GR-SL		2	7	20	2	6
604	267	604267	Mounthat	GR-SL		3	21	27	2	6
604	267	604267	Mounthat	GR-SL		3	20	35	2	6
604	267	604267	Mounthat	GR-SL		4	35	46	2	6
604	267	604267	Obie	GRV-SL		1	0	10	6	20
604	267	604267	Obie	GRV-SL		1	0	7	2	6
604	267	604267	Obie	GRV-SL		2	10	21	2	6
604	267	604267	Obie	GRV-SL		2	7	20	2	6
604	267	604267	Obie	GRV-SL		3	21	27	2	6
604	267	604267	Obie	GRV-SL		3	20	35	2	6
604	267	604267	Obie	GRV-SL		4	35	46	2	6
604	268	604268	Mounthat	GR-SL		1	0	10	6	20
604	268	604268	Mounthat	GR-SL		1	0	20	2	6
604	268	604268	Mounthat	GR-SL		2	10	21	2	6
604	268	604268	Mounthat	GR-SL		2	20	46	2	6
604	268	604268	Mounthat	GR-SL		3	21	27	2	6
604	268	604268	Obie	GRV-SL		1	0	10	6	20
604	268	604268	Obie	GRV-SL		1	0	20	2	6
604	268	604268	Obie	GRV-SL		2	10	21	2	6
604	268	604268	Obie	GRV-SL		2	20	46	2	6
604	268	604268	Obie	GRV-SL		3	21	27	2	6
604	269	604269	Odas	L		1	0	8	2	6
604	269	604269	Odas	L		2	8	31	2	6
604	269	604269	Odas	L		3	31	60	2	6
604	271	604271	Oxendine	GRX-SL	THICK	1	0	2	2	6
604	271	604271	Sweagert	L	THICK	1	0	2	2	6
604	272	604272	Oxendine	GRV-SL	THICK	1	0	3	2	6
604	272	604272	Oxendine	GRV-SL	THICK	1	0	3	2	6
604	272	604272	Sweagert	GR-SL	THICK	1	0	3	2	6
604	272	604272	Sweagert	GR-SL	THICK	1	0	3	2	6
604	273	604273	Oxendine	CBV-SL	THICK	1	0	3	2	6
604	273	604273	Oxendine	CBV-SL	THICK	1	0	6	2	6
604	273	604273	Sweagert	GR-SL	THICK	1	0	3	2	6
604	273	604273	Sweagert	GR-SL	THICK	1	0	6	2	6
604	274	604274	Pastolla	MUCK		3	10	24	2	6
604	274	604274	Pastolla	MUCK		5	31	44	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
604	275	604275	Pastolla	MUCK		3	19	22	2	6
604	275	604275	Pastolla	MUCK		5	38	55	2	6
604	276	604276	Pastolla	MK-SIL		2	5	22	2	6
604	276	604276	Pastolla	MK-SIL		4	34	64	2	6
604	277	604277	Patburn	L		1	0	2	2	6
604	282	604282	Pittville	SL	THIN	1	0	9	2	6
604	282	604282	Pittville	SL	THIN	3	41	84	6	20
604	283	604283	Pittville	SL	THIN	1	0	9	2	6
604	283	604283	Pittville	SL	THIN	3	41	84	6	20
604	284	604284	Pittville	SL	THIN	1	0	9	2	6
604	284	604284	Pittville	SL	THIN	3	41	84	6	20
604	285	604285	Pittville	SL	THIN	1	0	9	2	6
604	285	604285	Pittville	SL	THIN	3	41	84	6	20
604	286	604286	Ponto	SL		1	0	8	2	6
604	286	604286	Ponto	SL		2	8	45	2	6
604	286	604286	Ponto	SL		3	45	60	2	6
604	287	604287	Neer	GR-SL		1	0	10	6	20
604	287	604287	Neer	GR-SL		1	0	6	2	6
604	287	604287	Neer	GR-SL		2	10	24	6	20
604	287	604287	Neer	GR-SL		2	6	62	2	6
604	287	604287	Neer	GR-SL		3	24	39	6	20
604	287	604287	Ponto	SL		1	0	10	6	20
604	287	604287	Ponto	SL		1	0	6	2	6
604	287	604287	Ponto	SL		2	10	24	6	20
604	287	604287	Ponto	SL		2	6	62	2	6
604	287	604287	Ponto	SL		3	24	39	6	20
604	288	604288	Ponto	SL		1	0	9	2	6
604	288	604288	Ponto	SL		1	0	8	2	6
604	288	604288	Ponto	SL		2	8	45	2	6
604	288	604288	Ponto	SL		3	45	60	2	6
604	288	604288	Wyntoon	SL		1	0	9	2	6
604	288	604288	Wyntoon	SL		1	0	8	2	6
604	288	604288	Wyntoon	SL		2	8	45	2	6
604	288	604288	Wyntoon	SL		3	45	60	2	6
604	289	604289	Kephart	GRV-LCOS		1	0	3	20	20
604	289	604289	Kephart	GRV-LCOS		1	0	3	20	20
604	289	604289	Kephart	GRV-LCOS		2	3	8	20	20
604	289	604289	Kephart	GRV-LCOS		2	3	7	20	20
604	289	604289	Kephart	GRV-LCOS		3	8	19	6	20
604	289	604289	Kephart	GRV-LCOS		3	7	14	6	20
604	289	604289	Kephart	GRV-LCOS		4	19	25	2	6
604	289	604289	Kephart	GRV-LCOS		4	14	21	2	6
604	289	604289	Kephart	GRV-LCOS		6	32	64	2	6
604	289	604289	Quaking	GRV-LCOS		1	0	3	20	20
604	289	604289	Quaking	GRV-LCOS		1	0	3	20	20
604	289	604289	Quaking	GRV-LCOS		2	3	8	20	20
604	289	604289	Quaking	GRV-LCOS		2	3	7	20	20
604	289	604289	Quaking	GRV-LCOS		3	8	19	6	20
604	289	604289	Quaking	GRV-LCOS		3	7	14	6	20
604	289	604289	Quaking	GRV-LCOS		4	19	25	2	6
604	289	604289	Quaking	GRV-LCOS		4	14	21	2	6
604	289	604289	Quaking	GRV-LCOS		6	32	64	2	6
604	290	604290	Ravendale	SIC		4	48	57	2	6
604	291	604291	Revit	FSL		1	0	20	2	6
604	291	604291	Revit	FSL		2	20	30	2	6
604	291	604291	Revit	FSL		3	30	36	2	6
604	295	604295	Ricketts	SL		1	0	5	2	6
604	295	604295	Ricketts	SL		3	16	23	2	6
604	295	604295	Sweagert	L		1	0	5	2	6
604	295	604295	Sweagert	L		3	16	23	2	6
604	296	604296	Ricketts	SL		1	0	6	2	6
604	296	604296	Ricketts	SL		1	0	5	2	6
604	296	604296	Searvar	GR-L		1	0	6	2	6
604	296	604296	Searvar	GR-L		1	0	5	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
604	297	604297	Rivalier	GRV-SL		1	0	4	2	6
604	297	604297	Rivalier	GRV-SL		2	4	27	2	6
604	298	604298	Rivalier	GRV-SL		1	0	11	2	6
604	298	604298	Rivalier	GRV-SL		2	11	24	2	6
604	299	604299	Rivalier	GRV-SL		1	0	2	2	6
604	299	604299	Rivalier	GRV-SL		2	2	20	2	6
604	300	604300	Riverwash	GRX-S		1	0	6	6	20
604	300	604300	Riverwash	GRX-S		2	6	60	6	20
604	301	604301	Roundbarn	GR-SL		1	0	10	2	6
604	301	604301	Roundbarn	GR-SL		2	10	24	2	6
604	301	604301	Roundbarn	GR-SL		4	41	50	2	6
604	301	604301	Said	GR-L		1	0	10	2	6
604	301	604301	Said	GR-L		2	10	24	2	6
604	301	604301	Said	GR-L		4	41	50	2	6
604	302	604302	Argixerolls	ST-SL		1	0	7	2	6
604	302	604302	Argixerolls	ST-SL		1	0	60	20	20
604	302	604302	Rock Outcrop	UWB		1	0	7	2	6
604	302	604302	Rock Outcrop	UWB		1	0	60	20	20
604	302	604302	Rubble Land	FRAG		1	0	7	2	6
604	302	604302	Rubble Land	FRAG		1	0	60	20	20
604	303	604303	Rock Outcrop	UWB		1	0	60	20	20
604	303	604303	Rubble Land	FRAG		1	0	60	20	20
604	304	604304	Rubble Land	FRAG		1	0	3	2	6
604	304	604304	Rubble Land	FRAG		1	0	60	20	20
604	304	604304	Rubble Land	FRAG		2	3	6	2	6
604	304	604304	Rubble Land	FRAG		3	6	13	20	20
604	304	604304	Rubble Land	FRAG		4	13	25	2	6
604	304	604304	Rubble Land	FRAG		5	25	33	20	20
604	304	604304	Rubble Land	FRAG		6	33	67	6	20
604	304	604304	Typic Vitrixerands	GRV-SL		1	0	3	2	6
604	304	604304	Typic Vitrixerands	GRV-SL		1	0	60	20	20
604	304	604304	Typic Vitrixerands	GRV-SL		2	3	6	2	6
604	304	604304	Typic Vitrixerands	GRV-SL		3	6	13	20	20
604	304	604304	Typic Vitrixerands	GRV-SL		4	13	25	2	6
604	304	604304	Typic Vitrixerands	GRV-SL		5	25	33	20	20
604	304	604304	Typic Vitrixerands	GRV-SL		6	33	67	6	20
604	305	604305	Rubble Land	FRAG		1	0	60	20	20
604	305	604305	Rubble Land	FRAG		2	3	22	2	6
604	305	604305	Rubble Land	FRAG		3	22	34	2	6
604	305	604305	Xerorthents	L		1	0	60	20	20
604	305	604305	Xerorthents	L		2	3	22	2	6
604	305	604305	Xerorthents	L		3	22	34	2	6
604	306	604306	Scarface	SL		1	0	16	2	6
604	306	604306	Scarface	SL		2	16	24	2	6
604	307	604307	Scarface	SL		1	0	16	2	6
604	307	604307	Scarface	SL		2	16	24	2	6
604	308	604308	Gasper	GR-SL		1	0	4	2	6
604	308	604308	Gasper	GR-SL		1	0	16	2	6
604	308	604308	Gasper	GR-SL		2	4	16	2	6
604	308	604308	Gasper	GR-SL		2	16	24	2	6
604	308	604308	Gasper	GR-SL		3	16	38	2	6
604	308	604308	Scarface	SL		1	0	4	2	6
604	308	604308	Scarface	SL		1	0	16	2	6
604	308	604308	Scarface	SL		2	4	16	2	6
604	308	604308	Scarface	SL		2	16	24	2	6
604	308	604308	Scarface	SL		3	16	38	2	6
604	309	604309	Shasta	LS		1	0	13	20	20
604	309	604309	Shasta	LS		2	13	30	20	20
604	309	604309	Shasta	LS		3	30	70	20	20
604	310	604310	Shastina	L		2	6	15	2	6
604	310	604310	Shastina	L		3	15	36	2	6
604	310	604310	Shastina	L		4	36	60	20	20
604	312	604312	Stacher	GR-COSL		1	0	2	6	20
604	312	604312	Stacher	GR-COSL		2	2	12	6	20

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
604	313	604313	Stacher	GR-COSL		1	0	2	6	20
604	313	604313	Stacher	GR-COSL		2	2	12	6	20
604	314	604314	Stacher	GRV-COSL		1	0	4	6	20
604	314	604314	Stacher	GRV-COSL		2	4	14	6	20
604	315	604315	Stoner	GR-SL		1	0	6	2	6
604	316	604316	Stukel	GR-SL		1	0	4	2	6
604	316	604316	Stukel	GR-SL		1	0	4	2	6
604	316	604316	Stukel	CBV-SL		1	0	4	2	6
604	316	604316	Stukel	CBV-SL		1	0	4	2	6
604	316	604316	Stukel	GR-SL		2	4	11	2	6
604	316	604316	Stukel	GR-SL		2	4	16	2	6
604	316	604316	Stukel	CBV-SL		2	4	11	2	6
604	316	604316	Stukel	CBV-SL		2	4	16	2	6
604	316	604316	Stukel	GR-SL		3	11	20	2	6
604	316	604316	Stukel	CBV-SL		3	11	20	2	6
604	320	604320	Tionesta	GRV-LCOS		1	0	5	20	20
604	320	604320	Tionesta	GRV-LCOS		2	5	15	20	20
604	320	604320	Tionesta	GRV-LCOS		3	15	31	6	20
604	320	604320	Tionesta	GRV-LCOS		4	31	53	6	20
604	320	604320	Tionesta	GRV-LCOS		5	53	70	20	20
604	321	604321	Tionesta	GRV-LCOS		1	0	5	20	20
604	321	604321	Tionesta	GRV-LCOS		2	5	15	20	20
604	321	604321	Tionesta	GRV-LCOS		3	15	31	6	20
604	321	604321	Tionesta	GRV-LCOS		4	31	53	6	20
604	321	604321	Tionesta	GRV-LCOS		5	53	70	20	20
604	323	604323	Twinbuttes	GRV-COSL		1	0	3	6	20
604	323	604323	Twinbuttes	GRV-COSL		2	3	7	6	20
604	323	604323	Twinbuttes	GRV-COSL		3	7	34	6	20
604	323	604323	Twinbuttes	GRV-COSL		4	34	49	20	20
604	323	604323	Twinbuttes	GRV-COSL		5	49	72	20	20
604	324	604324	Lava Flows	UWB		1	0	3	6	20
604	324	604324	Lava Flows	UWB		2	3	7	6	20
604	324	604324	Lava Flows	UWB		3	7	34	6	20
604	324	604324	Lava Flows	UWB		4	34	49	20	20
604	324	604324	Lava Flows	UWB		5	49	72	20	20
604	324	604324	Twinbuttes	GRV-COSL		1	0	3	6	20
604	324	604324	Twinbuttes	GRV-COSL		2	3	7	6	20
604	324	604324	Twinbuttes	GRV-COSL		3	7	34	6	20
604	324	604324	Twinbuttes	GRV-COSL		4	34	49	20	20
604	324	604324	Twinbuttes	GRV-COSL		5	49	72	20	20
604	325	604325	Wengler	GRV-COSL		1	0	4	6	20
604	325	604325	Wengler	GRV-COSL		2	4	12	6	20
604	325	604325	Wengler	GRV-COSL		3	12	17	6	20
604	325	604325	Wengler	GRV-COSL		4	17	25	20	20
604	325	604325	Wengler	GRV-COSL		5	25	47	20	20
604	325	604325	Wengler	GRV-COSL		6	47	80	20	20
604	326	604326	Wengler	GRV-COSL		1	0	4	6	20
604	326	604326	Wengler	GRV-COSL		2	4	12	6	20
604	326	604326	Wengler	GRV-COSL		3	12	17	6	20
604	326	604326	Wengler	GRV-COSL		4	17	25	20	20
604	326	604326	Wengler	GRV-COSL		5	25	47	20	20
604	326	604326	Wengler	GRV-COSL		6	47	80	20	20
604	327	604327	Wengler	GRV-COSL		1	0	4	6	20
604	327	604327	Wengler	GRV-COSL		2	4	12	6	20
604	327	604327	Wengler	GRV-COSL		3	12	17	6	20
604	327	604327	Wengler	GRV-COSL		4	17	25	20	20
604	327	604327	Wengler	GRV-COSL		5	25	47	20	20
604	327	604327	Wengler	GRV-COSL		6	47	80	20	20
604	328	604328	Cupvar	SIC	THIN	3	25	64	2	6
604	328	604328	Cupvar	SIC	THIN	6	25	60	2	6
604	328	604328	Whipp	SIL	THIN	3	25	64	2	6
604	328	604328	Whipp	SIL	THIN	6	25	60	2	6
604	329	604329	Cupvar	SIC	THIN	3	41	60	2	6
604	329	604329	Cupvar	SIC	THIN	6	25	60	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
604	329	604329	Whipp	SIL	THIN	3	41	60	2	6
604	329	604329	Whipp	SIL	THIN	6	25	60	2	6
604	331	604331	Winnibulli	L		4	40	50	2	6
604	331	604331	Winnibulli	L		5	50	75	2	6
604	332	604332	Burman	L	THIN	4	39	72	2	6
604	332	604332	Winnibulli	L	THIN	4	39	72	2	6
604	333	604333	Gosch	GR-SL		1	0	3	2	6
604	333	604333	Gosch	GR-SL		1	0	4	2	6
604	333	604333	Gosch	GR-SL		2	3	9	2	6
604	333	604333	Witcher	SL		1	0	3	2	6
604	333	604333	Witcher	SL		1	0	4	2	6
604	333	604333	Witcher	SL		2	3	9	2	6
604	334	604334	Gosch	GR-SL		1	0	3	2	6
604	334	604334	Gosch	GR-SL		1	0	4	2	6
604	334	604334	Gosch	GR-SL		2	3	9	2	6
604	334	604334	Witcher	SL		1	0	3	2	6
604	334	604334	Witcher	SL		1	0	4	2	6
604	334	604334	Witcher	SL		2	3	9	2	6
604	335	604335	Wyntoon	SL		1	0	9	2	6
604	336	604336	Wyntoon	SL		1	0	9	2	6
604	337	604337	Depner	GR-SL		1	0	16	2	6
604	337	604337	Depner	GR-SL		1	0	9	2	6
604	337	604337	Depner	GR-SL		2	16	37	2	6
604	337	604337	Depner	GR-SL		3	37	48	2	6
604	337	604337	Wyntoon	SL		1	0	16	2	6
604	337	604337	Wyntoon	SL		1	0	9	2	6
604	337	604337	Wyntoon	SL		2	16	37	2	6
604	337	604337	Wyntoon	SL		3	37	48	2	6
604	338	604338	Goulder	GR-SL		1	0	7	2	6
604	338	604338	Goulder	GR-SL		1	0	11	20	20
604	338	604338	Goulder	GR-SL		2	7	17	2	6
604	338	604338	Goulder	GR-SL		2	11	17	2	6
604	338	604338	Goulder	GR-SL		3	17	26	2	6
604	338	604338	Zeugirdor	FRAG		1	0	7	2	6
604	338	604338	Zeugirdor	FRAG		1	0	11	20	20
604	338	604338	Zeugirdor	FRAG		2	7	17	2	6
604	338	604338	Zeugirdor	FRAG		2	11	17	2	6
604	338	604338	Zeugirdor	FRAG		3	17	26	2	6
604	339	604339	Goulder	GR-SL		1	0	7	2	6
604	339	604339	Goulder	GR-SL		1	0	11	20	20
604	339	604339	Goulder	GR-SL		2	7	17	2	6
604	339	604339	Goulder	GR-SL		2	11	17	2	6
604	339	604339	Goulder	GR-SL		3	17	26	2	6
604	339	604339	Zeugirdor	FRAG		1	0	7	2	6
604	339	604339	Zeugirdor	FRAG		1	0	11	20	20
604	339	604339	Zeugirdor	FRAG		2	7	17	2	6
604	339	604339	Zeugirdor	FRAG		2	11	17	2	6
604	339	604339	Zeugirdor	FRAG		3	17	26	2	6
605	100	605100	Riverwash	GRX-S		1	0	6	6	20
605	100	605100	Riverwash	GRX-S		2	6	60	6	20
605	102	605102	Fluvents	FSL		3	37	60	20	20
605	105	605105	Worswick	SL		2	9	30	2	6
605	130	605130	Fluvaquents			1	0	6	6	20
605	130	605130	Fluvaquents			1	0	4	2	6
605	130	605130	Fluvaquents			2	6	60	6	20
605	130	605130	Riverwash			1	0	6	6	20
605	130	605130	Riverwash			1	0	4	2	6
605	130	605130	Riverwash			2	6	60	6	20
605	131	605131	Fluvaquents			1	0	4	2	6
605	136	605136	Rock Outcrop			1	0	60	0.06	6
605	140	605140	Occidental	SICL		1	0	16	2	6
605	140	605140	Occidental	SICL		2	16	23	2	6
605	140	605140	Occidental	SICL		3	23	41	2	6
605	141	605141	Occidental			1	0	9	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
605	141	605141	Occidental			1	0	16	2	6
605	141	605141	Occidental			2	9	60	6	20
605	141	605141	Occidental			2	16	23	2	6
605	141	605141	Occidental			3	23	41	2	6
605	141	605141	Tidal Marsh			1	0	9	2	6
605	141	605141	Tidal Marsh			1	0	16	2	6
605	141	605141	Tidal Marsh			2	9	60	6	20
605	141	605141	Tidal Marsh			2	16	23	2	6
605	141	605141	Tidal Marsh			3	23	41	2	6
605	142	605142	Occidental	SICL		1	0	16	2	6
605	142	605142	Occidental	SICL		2	16	23	2	6
605	142	605142	Occidental	SICL		3	23	41	2	6
605	195	605195	Russ	FSL		2	15	36	2	6
605	308	605308	Typic Haplohumults	L		3	33	85	0.6	6
605	315	605315	Ahpah	GR-L		1	0	5	2	6
605	315	605315	Ahpah	GR-L		3	22	60	20	20
605	315	605315	Coppercreek	GRV-L		1	0	5	2	6
605	315	605315	Coppercreek	GRV-L		3	22	60	20	20
605	315	605315	Lackscreek	GR-L		1	0	5	2	6
605	315	605315	Lackscreek	GR-L		3	22	60	20	20
605	400	605400	Bigriver	FSL		1	0	6	6	20
605	400	605400	Bigriver	FSL		2	6	63	2	6
605	401	605401	Bigriver	SIL		1	0	6	6	20
605	401	605401	Bigriver	SIL		2	15	36	2	6
605	401	605401	Bigriver	SIL		2	6	63	2	6
605	401	605401	Ferndale	SIL		1	0	6	6	20
605	401	605401	Ferndale	SIL		2	15	36	2	6
605	401	605401	Ferndale	SIL		2	6	63	2	6
605	401	605401	Russ	L		1	0	6	6	20
605	401	605401	Russ	L		2	15	36	2	6
605	401	605401	Russ	L		2	6	63	2	6
605	402	605402	Aquic Humitropepts	SIL		3	22	33	2	6
605	402	605402	Aquic Humitropepts	SIL		4	33	60	2	6
605	421	605421	Coppercreek	GRV-L		1	0	4	2	6
605	421	605421	Coppercreek	GRV-L		2	4	14	2	6
605	421	605421	Coppercreek	GRV-L		3	14	60	2	6
605	421	605421	Coppercreek	GRV-L		5	37	67	2	6
605	421	605421	Devilscreek	GR-CL		1	0	4	2	6
605	421	605421	Devilscreek	GR-CL		2	4	14	2	6
605	421	605421	Devilscreek	GR-CL		3	14	60	2	6
605	421	605421	Devilscreek	GR-CL		5	37	67	2	6
605	421	605421	Elfcreek	GR-L		1	0	4	2	6
605	421	605421	Elfcreek	GR-L		2	4	14	2	6
605	421	605421	Elfcreek	GR-L		3	14	60	2	6
605	421	605421	Elfcreek	GR-L		5	37	67	2	6
605	431	605431	Coppercreek	GRV-L		1	0	4	2	6
605	431	605431	Coppercreek	GRV-L		2	4	14	2	6
605	431	605431	Coppercreek	GRV-L		3	14	60	2	6
605	431	605431	Coppercreek	GRV-L		5	37	67	2	6
605	431	605431	Devilscreek	GR-CL		1	0	4	2	6
605	431	605431	Devilscreek	GR-CL		2	4	14	2	6
605	431	605431	Devilscreek	GR-CL		3	14	60	2	6
605	431	605431	Devilscreek	GR-CL		5	37	67	2	6
605	431	605431	Elfcreek	GR-L		1	0	4	2	6
605	431	605431	Elfcreek	GR-L		2	4	14	2	6
605	431	605431	Elfcreek	GR-L		3	14	60	2	6
605	431	605431	Elfcreek	GR-L		5	37	67	2	6
605	438	605438	Coppercreek	GRV-L		1	0	4	2	6
605	438	605438	Coppercreek	GRV-L		2	4	14	2	6
605	438	605438	Coppercreek	GRV-L		3	14	60	2	6
605	438	605438	Elfcreek	GRV-L		1	0	4	2	6
605	438	605438	Elfcreek	GRV-L		2	4	14	2	6
605	438	605438	Elfcreek	GRV-L		3	14	60	2	6
605	438	605438	Lackscreek	GRV-L		1	0	4	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
605	438	605438	Lackscreek	GRV-L		2	4	14	2	6
605	438	605438	Lackscreek	GRV-L		3	14	60	2	6
606	101	606101	Atter	GRX-LS		1	0	8	6	20
606	101	606101	Atter	GRX-LS		2	8	60	6	20
606	102	606102	Atter	GRX-LS		1	0	5	6	20
606	102	606102	Atter	GRX-LS		1	0	60	6	20
606	102	606102	Atter	GRX-LS		1	0	8	6	20
606	102	606102	Atter	GRX-LS		2	5	60	2	20
606	102	606102	Atter	GRX-LS		2	8	60	6	20
606	102	606102	Dumps	GRX-LS		1	0	5	6	20
606	102	606102	Dumps	GRX-LS		1	0	60	6	20
606	102	606102	Dumps	GRX-LS		1	0	8	6	20
606	102	606102	Dumps	GRX-LS		2	5	60	2	20
606	102	606102	Dumps	GRX-LS		2	8	60	6	20
606	102	606102	Xerofluvents	GR-S		1	0	5	6	20
606	102	606102	Xerofluvents	GR-S		1	0	60	6	20
606	102	606102	Xerofluvents	GR-S		1	0	8	6	20
606	102	606102	Xerofluvents	GR-S		2	5	60	2	20
606	102	606102	Xerofluvents	GR-S		2	8	60	6	20
606	125	606125	Choop	GRF-LCOS		1	0	5	6	20
606	125	606125	Choop	GRF-LCOS		2	5	16	6	20
606	126	606126	Choop	GRF-LCOS		1	0	12	6	20
606	126	606126	Rock Outcrop	UWB		1	0	12	6	20
606	147	606147	Haploxerolls	GR-COSL		1	0	10	2	6
606	147	606147	Haploxerolls	GR-COSL		2	10	60	2	20
606	148	606148	Haploxerolls	GR-COSL		1	0	10	2	6
606	148	606148	Haploxerolls	GR-COSL		2	10	60	2	20
606	177	606177	Minersville	SL		1	0	5	2	6
606	177	606177	Minersville	SL		2	5	30	2	6
606	177	606177	Minersville	SL		3	30	43	2	6
606	178	606178	Choop	GRF-LCOS		1	0	12	6	20
606	178	606178	Choop	GRF-LCOS		1	0	9	6	20
606	178	606178	Choop	GRF-LCOS		2	9	34	6	20
606	178	606178	Minersville Variant	GRF-LCOS		1	0	12	6	20
606	178	606178	Minersville Variant	GRF-LCOS		1	0	9	6	20
606	178	606178	Minersville Variant	GRF-LCOS		2	9	34	6	20
606	196	606196	Rock Outcrop	UWB		1	0	60	20	20
606	196	606196	Rubble Land	FRAG		1	0	60	20	20
606	196	606196	Skyrock Variant	STV-L		1	0	60	20	20
606	198	606198	Minersville	SL		1	0	5	2	6
606	198	606198	Minersville	SL		1	0	9	2	6
606	198	606198	Minersville	SL		2	5	30	2	6
606	198	606198	Minersville	SL		2	9	23	2	6
606	198	606198	Minersville	SL		3	30	43	2	6
606	198	606198	Tallowbox	GR-COSL		1	0	5	2	6
606	198	606198	Tallowbox	GR-COSL		1	0	9	2	6
606	198	606198	Tallowbox	GR-COSL		2	5	30	2	6
606	198	606198	Tallowbox	GR-COSL		2	9	23	2	6
606	198	606198	Tallowbox	GR-COSL		3	30	43	2	6
606	199	606199	Minersville	SL		1	0	5	2	6
606	199	606199	Minersville	SL		1	0	9	2	6
606	199	606199	Minersville	SL		2	5	30	2	6
606	199	606199	Minersville	SL		2	9	23	2	6
606	199	606199	Minersville	SL		3	30	43	2	6
606	199	606199	Tallowbox	GR-COSL		1	0	5	2	6
606	199	606199	Tallowbox	GR-COSL		1	0	9	2	6
606	199	606199	Tallowbox	GR-COSL		2	5	30	2	6
606	199	606199	Tallowbox	GR-COSL		2	9	23	2	6
606	199	606199	Tallowbox	GR-COSL		3	30	43	2	6
606	201	606201	Urban Land	VAR		2	1	30	0.2	6
606	201	606201	Xeralfs	CB-CL		2	1	30	0.2	6
606	202	606202	Choop	GRF-LCOS		1	0	5	6	20
606	202	606202	Choop	GRF-LCOS		1	0	3	6	20
606	202	606202	Choop	GRF-LCOS		2	5	16	6	20

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
606	202	606202	Choop	GRF-LCOS		2	3	16	6	20
606	202	606202	Choop	GRF-LCOS		3	16	31	6	20
606	202	606202	Valcreek	GRV-LCOS		1	0	5	6	20
606	202	606202	Valcreek	GRV-LCOS		1	0	3	6	20
606	202	606202	Valcreek	GRV-LCOS		2	5	16	6	20
606	202	606202	Valcreek	GRV-LCOS		2	3	16	6	20
606	202	606202	Valcreek	GRV-LCOS		3	16	31	6	20
606	203	606203	Minersville	SL		1	0	5	2	6
606	203	606203	Minersville	SL		1	0	3	6	20
606	203	606203	Minersville	SL		2	5	30	2	6
606	203	606203	Minersville	SL		2	3	16	6	20
606	203	606203	Minersville	SL		3	30	43	2	6
606	203	606203	Minersville	SL		3	16	31	6	20
606	203	606203	Valcreek	GRV-LCOS		1	0	5	2	6
606	203	606203	Valcreek	GRV-LCOS		1	0	3	6	20
606	203	606203	Valcreek	GRV-LCOS		2	5	30	2	6
606	203	606203	Valcreek	GRV-LCOS		2	3	16	6	20
606	203	606203	Valcreek	GRV-LCOS		3	30	43	2	6
606	203	606203	Valcreek	GRV-LCOS		3	16	31	6	20
606	204	606204	Choop	GRF-LCOS		1	0	5	6	20
606	204	606204	Choop	GRF-LCOS		1	0	5	2	6
606	204	606204	Choop	GRF-LCOS		1	0	3	6	20
606	204	606204	Choop	GRF-LCOS		2	5	16	6	20
606	204	606204	Choop	GRF-LCOS		2	5	30	2	6
606	204	606204	Choop	GRF-LCOS		2	3	16	6	20
606	204	606204	Choop	GRF-LCOS		3	30	43	2	6
606	204	606204	Choop	GRF-LCOS		3	16	31	6	20
606	204	606204	Minersville	SL		1	0	5	6	20
606	204	606204	Minersville	SL		1	0	5	2	6
606	204	606204	Minersville	SL		1	0	3	6	20
606	204	606204	Minersville	SL		2	5	16	6	20
606	204	606204	Minersville	SL		2	5	30	2	6
606	204	606204	Minersville	SL		2	3	16	6	20
606	204	606204	Minersville	SL		3	30	43	2	6
606	204	606204	Minersville	SL		3	16	31	6	20
606	204	606204	Valcreek	GRV-LCOS		1	0	5	6	20
606	204	606204	Valcreek	GRV-LCOS		1	0	5	2	6
606	204	606204	Valcreek	GRV-LCOS		1	0	3	6	20
606	204	606204	Valcreek	GRV-LCOS		2	5	16	6	20
606	204	606204	Valcreek	GRV-LCOS		2	5	30	2	6
606	204	606204	Valcreek	GRV-LCOS		2	3	16	6	20
606	204	606204	Valcreek	GRV-LCOS		3	30	43	2	6
606	204	606204	Valcreek	GRV-LCOS		3	16	31	6	20
606	213	606213	Xeralfs	GRV-CL		2	1	30	0.2	6
606	213	606213	Xerorthents	GRV-CL		2	1	30	0.2	6
606	217	606217	Riverwash	GR-COS		1	0	5	6	20
606	217	606217	Riverwash	GR-COS		1	0	5	6	20
606	217	606217	Riverwash	GR-COS		2	5	60	2	20
606	217	606217	Riverwash	GR-COS		2	5	60	2	20
606	217	606217	Xerofluvents	GR-S		1	0	5	6	20
606	217	606217	Xerofluvents	GR-S		1	0	5	6	20
606	217	606217	Xerofluvents	GR-S		2	5	60	2	20
606	217	606217	Xerofluvents	GR-S		2	5	60	2	20
608	101	608101	Almanor	GRV-SL		1	0	5	2	6
608	101	608101	Almanor	GRV-SL		1	0	5	2	6
608	101	608101	Almanor	GRV-SL		2	5	27	2	6
608	101	608101	Almanor	GRV-SL		2	5	40	2	6
608	101	608101	Inville	GRV-L		1	0	5	2	6
608	101	608101	Inville	GRV-L		1	0	5	2	6
608	101	608101	Inville	GRV-L		2	5	27	2	6
608	101	608101	Inville	GRV-L		2	5	40	2	6
608	101	608101	Whorled	GRV-SL		1	0	5	2	6
608	101	608101	Whorled	GRV-SL		1	0	5	2	6
608	101	608101	Whorled	GRV-SL		2	5	27	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
608	101	608101	Whorled	GRV-SL		2	5	40	2	6
608	102	608102	Alomax	STV-SL		1	0	60	0.06	6
608	102	608102	Alomax	STV-SL		1	0	14	2	6
608	102	608102	Alomax	STV-SL		1	0	3	2	6
608	102	608102	Alomax	STV-SL		2	14	44	2	6
608	102	608102	Alomax	STV-SL		2	3	15	2	6
608	102	608102	Glean	GR-SL		1	0	60	0.06	6
608	102	608102	Glean	GR-SL		1	0	14	2	6
608	102	608102	Glean	GR-SL		1	0	3	2	6
608	102	608102	Glean	GR-SL		2	14	44	2	6
608	102	608102	Glean	GR-SL		2	3	15	2	6
608	102	608102	Rock Outcrop	UWB		1	0	60	0.06	6
608	102	608102	Rock Outcrop	UWB		1	0	14	2	6
608	102	608102	Rock Outcrop	UWB		1	0	3	2	6
608	102	608102	Rock Outcrop	UWB		2	14	44	2	6
608	102	608102	Rock Outcrop	UWB		2	3	15	2	6
608	104	608104	Ardep	SL		1	0	5	2	6
608	104	608104	Ardep	SL		2	5	34	2	6
608	104	608104	Ardep	SL		3	34	60	2	6
608	105	608105	Ardep	L		1	0	6	2	6
608	105	608105	Ardep	L		2	6	34	2	6
608	105	608105	Ardep	L		3	34	60	2	6
608	106	608106	Ardep	FSL		1	0	6	2	6
608	106	608106	Ardep	FSL		2	6	20	2	6
608	106	608106	Ardep	FSL		3	20	60	2	6
608	107	608107	Ardep	VFS		1	0	3	2	6
608	107	608107	Ardep	VFS		2	3	59	2	6
608	107	608107	Ardep	VFS		3	59	60	2	6
608	108	608108	Ardep	SL		1	0	4	20	20
608	108	608108	Ardep	SL		1	0	5	6	20
608	108	608108	Ardep	SL		1	0	5	2	6
608	108	608108	Ardep	SL		2	4	60	20	20
608	108	608108	Ardep	SL		2	5	36	2	6
608	108	608108	Ardep	SL		3	36	60	2	6
608	108	608108	Wespac	S		1	0	4	20	20
608	108	608108	Wespac	S		1	0	5	6	20
608	108	608108	Wespac	S		1	0	5	2	6
608	108	608108	Wespac	S		2	4	60	20	20
608	108	608108	Wespac	S		2	5	36	2	6
608	108	608108	Wespac	S		3	36	60	2	6
608	108	608108	Zorravista	FS		1	0	4	20	20
608	108	608108	Zorravista	FS		1	0	5	6	20
608	108	608108	Zorravista	FS		1	0	5	2	6
608	108	608108	Zorravista	FS		2	4	60	20	20
608	108	608108	Zorravista	FS		2	5	36	2	6
608	108	608108	Zorravista	FS		3	36	60	2	6
608	109	608109	Artray	SL		1	0	9	2	6
608	109	608109	Artray	SL		2	9	48	2	6
608	109	608109	Artray	SL		3	48	60	20	20
608	110	608110	Badenaugh	ST-SL		1	0	13	2	6
608	111	608111	Baileycreek	GRV-L		1	0	12	2	6
608	111	608111	Baileycreek	GRV-L		1	0	9	2	6
608	111	608111	Weste	GRV-SL		1	0	12	2	6
608	111	608111	Weste	GRV-SL		1	0	9	2	6
608	112	608112	Baileycreek	STV-L		1	0	12	2	6
608	112	608112	Baileycreek	STV-L		1	0	9	2	6
608	112	608112	Weste	STV-SL		1	0	12	2	6
608	112	608112	Weste	STV-SL		1	0	9	2	6
608	113	608113	Baileycreek	GRV-L		1	0	14	2	6
608	113	608113	Baileycreek	GRV-L		1	0	10	2	6
608	113	608113	Weste	STV-SL		1	0	14	2	6
608	113	608113	Weste	STV-SL		1	0	10	2	6
608	114	608114	Barnard	ST-SL	THICK	5	26	60	6	20
608	115	608115	Beckwourth	LS		1	0	10	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
608	115	608115	Beckwourth	LS		1	0	12	6	20
608	115	608115	Beckwourth	LS		2	10	60	6	20
608	115	608115	Beckwourth	LS		3	23	60	6	20
608	115	608115	Fordney	LS		1	0	10	2	6
608	115	608115	Fordney	LS		1	0	12	6	20
608	115	608115	Fordney	LS		2	10	60	6	20
608	115	608115	Fordney	LS		3	23	60	6	20
608	118	608118	Biscaro	SL		1	0	8	6	20
608	118	608118	Biscaro	SL		1	0	10	2	6
608	118	608118	Calnat	LS		1	0	8	6	20
608	118	608118	Calnat	LS		1	0	10	2	6
608	120	608120	Blickenstaff	SL		1	0	15	2	6
608	120	608120	Blickenstaff	SL		2	15	34	2	6
608	120	608120	Blickenstaff	SL		3	34	60	2	6
608	121	608121	Blickenstaff	CL		2	16	60	2	6
608	122	608122	Bobert	SL		1	0	6	2	6
608	123	608123	Bobert	SL		1	0	4	2	6
608	124	608124	Bonta	COSL		1	0	12	2	6
608	124	608124	Bonta	COSL		2	12	36	2	6
608	125	608125	Bonta	COSL		1	0	12	2	6
608	125	608125	Bonta	COSL		2	12	36	2	6
608	126	608126	Bonta	GR-SL		1	0	12	2	6
608	126	608126	Bonta	GR-SL		2	12	36	2	6
608	129	608129	Brubeck	CBV-C		3	32	42	0.01	20
608	130	608130	Brubeck	CBV-C		3	32	42	0.01	20
608	131	608131	Brubeck	CBV-C		3	32	42	0.01	20
608	131	608131	Diaz	CBV-SIL		3	32	42	0.01	20
608	132	608132	Brubeck	CBV-C		3	32	42	0.01	20
608	132	608132	Loomis	CBV-L		3	32	42	0.01	20
608	135	608135	Bucklake	STV-L		1	0	60	20	20
608	135	608135	Corral	STV-L		1	0	60	20	20
608	135	608135	Rubble Land	FRAG		1	0	60	20	20
608	137	608137	Cagwin	LCOS		1	0	8	6	20
608	137	608137	Cagwin	LCOS		2	8	36	6	20
608	138	608138	Cagwin	LCOS		1	0	8	6	20
608	138	608138	Cagwin	LCOS		2	8	36	6	20
608	139	608139	Calnat	SL		1	0	5	2	6
608	142	608142	Calpine	COSL		1	0	20	2	6
608	142	608142	Calpine	COSL		2	20	35	2	6
608	142	608142	Calpine	COSL		3	35	60	2	6
608	143	608143	Calpine	SL		1	0	24	2	6
608	143	608143	Calpine	SL		2	24	60	2	6
608	144	608144	Calpine	SL		1	0	24	2	6
608	144	608144	Calpine	SL		2	24	60	2	6
608	145	608145	Calpine	SL		1	0	21	2	6
608	145	608145	Calpine	SL		2	21	46	2	6
608	145	608145	Calpine	SL		3	46	81	6	20
608	146	608146	Chalco	GR-FSL		1	0	4	2	6
608	146	608146	Chalco	GR-FSL		1	0	7	2	6
608	146	608146	Indiano	GR-SL		1	0	4	2	6
608	146	608146	Indiano	GR-SL		1	0	7	2	6
608	147	608147	Capona	FSL		1	0	60	0.06	6
608	147	608147	Rock Outcrop	UWB		1	0	60	0.06	6
608	149	608149	Cewat	STV-FSL		1	0	3	2	6
608	149	608149	Cewat	STV-FSL		1	0	3	2	6
608	149	608149	Cewat	STV-FSL		2	3	14	2	6
608	149	608149	Cewat	STV-FSL		2	3	60	20	20
608	149	608149	Cewat	STV-FSL		3	14	60	20	20
608	149	608149	McConnel	GR-FSL		1	0	3	2	6
608	149	608149	McConnel	GR-FSL		1	0	3	2	6
608	149	608149	McConnel	GR-FSL		2	3	14	2	6
608	149	608149	McConnel	GR-FSL		2	3	60	20	20
608	149	608149	McConnel	GR-FSL		3	14	60	20	20
608	149	608149	Toulon	GRV-FSL		1	0	3	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
608	149	608149	Toulon	GRV-FSL		1	0	3	2	6
608	149	608149	Toulon	GRV-FSL		2	3	14	2	6
608	149	608149	Toulon	GRV-FSL		2	3	60	20	20
608	149	608149	Toulon	GRV-FSL		3	14	60	20	20
608	150	608150	Chappuis	COSL		1	0	7	2	6
608	152	608152	Chimney	GR-LCOS		1	0	13	6	20
608	152	608152	Chimney	GR-LCOS		2	13	35	6	20
608	152	608152	Chimney	GR-LCOS		3	35	60	6	20
608	153	608153	Chimney	GR-LCOS		1	0	13	6	20
608	153	608153	Chimney	GR-LCOS		2	13	35	6	20
608	153	608153	Chimney	GR-LCOS		3	35	60	6	20
608	154	608154	Chimney	GR-LCOS		1	0	7	6	20
608	154	608154	Chimney	GR-LCOS		1	0	4	6	20
608	154	608154	Chimney	GR-LCOS		1	0	13	6	20
608	154	608154	Chimney	GR-LCOS		2	7	18	6	20
608	154	608154	Chimney	GR-LCOS		2	4	24	6	20
608	154	608154	Chimney	GR-LCOS		2	13	35	6	20
608	154	608154	Chimney	GR-LCOS		3	35	56	6	20
608	154	608154	Janile	BY-LCOS		1	0	7	6	20
608	154	608154	Janile	BY-LCOS		1	0	4	6	20
608	154	608154	Janile	BY-LCOS		1	0	13	6	20
608	154	608154	Janile	BY-LCOS		2	7	18	6	20
608	154	608154	Janile	BY-LCOS		2	4	24	6	20
608	154	608154	Janile	BY-LCOS		2	13	35	6	20
608	154	608154	Janile	BY-LCOS		3	35	56	6	20
608	154	608154	Waterman	BY-LCOS		1	0	7	6	20
608	154	608154	Waterman	BY-LCOS		1	0	4	6	20
608	154	608154	Waterman	BY-LCOS		1	0	13	6	20
608	154	608154	Waterman	BY-LCOS		2	7	18	6	20
608	154	608154	Waterman	BY-LCOS		2	4	24	6	20
608	154	608154	Waterman	BY-LCOS		2	13	35	6	20
608	154	608154	Waterman	BY-LCOS		3	35	56	6	20
608	155	608155	Chimney	GR-LCOS		1	0	7	6	20
608	155	608155	Chimney	GR-LCOS		1	0	4	6	20
608	155	608155	Chimney	GR-LCOS		1	0	13	6	20
608	155	608155	Chimney	GR-LCOS		2	7	18	6	20
608	155	608155	Chimney	GR-LCOS		2	4	24	6	20
608	155	608155	Chimney	GR-LCOS		2	13	35	6	20
608	155	608155	Chimney	GR-LCOS		3	35	56	6	20
608	155	608155	Janile	BY-LCOS		1	0	7	6	20
608	155	608155	Janile	BY-LCOS		1	0	4	6	20
608	155	608155	Janile	BY-LCOS		1	0	13	6	20
608	155	608155	Janile	BY-LCOS		2	7	18	6	20
608	155	608155	Janile	BY-LCOS		2	4	24	6	20
608	155	608155	Janile	BY-LCOS		2	13	35	6	20
608	155	608155	Janile	BY-LCOS		3	35	56	6	20
608	155	608155	Waterman	BY-LCOS		1	0	7	6	20
608	155	608155	Waterman	BY-LCOS		1	0	4	6	20
608	155	608155	Waterman	BY-LCOS		1	0	13	6	20
608	155	608155	Waterman	BY-LCOS		2	7	18	6	20
608	155	608155	Waterman	BY-LCOS		2	4	24	6	20
608	155	608155	Waterman	BY-LCOS		2	13	35	6	20
608	155	608155	Waterman	BY-LCOS		3	35	56	6	20
608	156	608156	Chimney	GR-LCOS		1	0	7	6	20
608	156	608156	Chimney	GR-LCOS		1	0	13	6	20
608	156	608156	Chimney	GR-LCOS		2	7	18	6	20
608	156	608156	Chimney	GR-LCOS		2	13	35	6	20
608	156	608156	Chimney	GR-LCOS		3	35	60	6	20
608	156	608156	Waterman	BY-LCOS		1	0	7	6	20
608	156	608156	Waterman	BY-LCOS		1	0	13	6	20
608	156	608156	Waterman	BY-LCOS		2	7	18	6	20
608	156	608156	Waterman	BY-LCOS		2	13	35	6	20
608	156	608156	Waterman	BY-LCOS		3	35	60	6	20
608	157	608157	Chirpchatter	SL		1	0	11	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
608	158	608158	Cleghorn	SL		1	0	7	2	6
608	159	608159	Cleghorn	SL		1	0	7	2	6
608	160	608160	Cochran	GR-L		3	31	60	2	6
608	161	608161	Cochran	CBV-L		3	31	60	2	6
608	162	608162	Corral	SL		1	0	6	2	6
608	163	608163	Corral	SL		1	0	6	2	6
608	164	608164	Corral	SL		1	0	4	2	6
608	167	608167	Chalco	GR-FSL		1	0	4	2	6
608	167	608167	Chalco	GR-FSL		1	0	6	2	6
608	167	608167	Corral	SL		1	0	4	2	6
608	167	608167	Corral	SL		1	0	6	2	6
608	168	608168	Corral	L		1	0	3	6	20
608	168	608168	Corral	L		2	3	12	6	20
608	168	608168	Corral	L		3	12	16	0	20
608	168	608168	Glenbrook	GR-LCOS		1	0	3	6	20
608	168	608168	Glenbrook	GR-LCOS		2	3	12	6	20
608	168	608168	Glenbrook	GR-LCOS		3	12	16	0	20
608	169	608169	Brubeck	CBV-C		3	32	42	0.01	20
608	169	608169	Devada	STV-L		3	32	42	0.01	20
608	171	608171	Devada	SIL	THIN	1	0	60	20	20
608	171	608171	Devada	SIL	THIN	4	24	60	6	20
608	171	608171	Fivesprings	STV-L		1	0	60	20	20
608	171	608171	Fivesprings	STV-L		4	24	60	6	20
608	171	608171	Rubble Land	FRAG		1	0	60	20	20
608	171	608171	Rubble Land	FRAG		4	24	60	6	20
608	174	608174	Devada	STV-L		1	0	3	2	6
608	174	608174	Devada	STV-L		2	3	44	2	6
608	174	608174	Glean	GRV-L		1	0	3	2	6
608	174	608174	Glean	GRV-L		2	3	44	2	6
608	174	608174	Sumine	STV-L		1	0	3	2	6
608	174	608174	Sumine	STV-L		2	3	44	2	6
608	179	608179	Devada	CBV-L		1	0	60	0.06	6
608	179	608179	Rock Outcrop	UWB		1	0	60	0.06	6
608	180	608180	Dotta	GR-L		3	56	60	2	6
608	181	608181	Dotta	GR-L		3	32	60	2	6
608	182	608182	Dryvalley	SIL		4	42	60	2	6
608	185	608185	Eaglelake	GRV-L		1	0	14	2	6
608	185	608185	Eaglelake	GRV-L		1	0	4	2	6
608	185	608185	Outland	GRV-SL		1	0	14	2	6
608	185	608185	Outland	GRV-SL		1	0	4	2	6
608	185	608185	Weste	STV-SL		1	0	14	2	6
608	185	608185	Weste	STV-SL		1	0	4	2	6
608	186	608186	Eaglelake	GRV-L		1	0	14	2	6
608	186	608186	Eaglelake	GRV-L		1	0	4	2	6
608	186	608186	Outland	GRV-SL		1	0	14	2	6
608	186	608186	Outland	GRV-SL		1	0	4	2	6
608	186	608186	Weste	STV-SL		1	0	14	2	6
608	186	608186	Weste	STV-SL		1	0	4	2	6
608	187	608187	Eaglelake	GRV-L		1	0	10	2	6
608	187	608187	Eaglelake	GRV-L		1	0	10	0.6	6
608	187	608187	Eaglelake	GRV-L		2	10	24	0.6	6
608	187	608187	Outland	STV-L		1	0	10	2	6
608	187	608187	Outland	STV-L		1	0	10	0.6	6
608	187	608187	Outland	STV-L		2	10	24	0.6	6
608	187	608187	Weste	STV-SL		1	0	10	2	6
608	187	608187	Weste	STV-SL		1	0	10	0.6	6
608	187	608187	Weste	STV-SL		2	10	24	0.6	6
608	188	608188	Eaglelake	GRV-L		1	0	10	2	6
608	188	608188	Eaglelake	GRV-L		1	0	10	0.6	6
608	188	608188	Eaglelake	GRV-L		2	10	24	0.6	6
608	188	608188	Outland	STV-L		1	0	10	2	6
608	188	608188	Outland	STV-L		1	0	10	0.6	6
608	188	608188	Outland	STV-L		2	10	24	0.6	6
608	188	608188	Weste	STV-SL		1	0	10	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
608	188	608188	Weste	STV-SL		1	0	10	0.6	6
608	188	608188	Weste	STV-SL		2	10	24	0.6	6
608	189	608189	Easte	GR-L		1	0	13	2	6
608	189	608189	Easte	GR-L		2	13	58	2	6
608	189	608189	Fredonyer	STV-L		1	0	13	2	6
608	189	608189	Fredonyer	STV-L		2	13	58	2	6
608	190	608190	Easte	GRV-SL		1	0	5	2	6
608	190	608190	Easte	GRV-SL		1	0	13	2	6
608	190	608190	Easte	GRV-SL		2	5	13	2	6
608	190	608190	Easte	GRV-SL		2	13	42	2	6
608	190	608190	Easte	GRV-SL		3	13	36	2	6
608	190	608190	Roop	STV-L		1	0	5	2	6
608	190	608190	Roop	STV-L		1	0	13	2	6
608	190	608190	Roop	STV-L		2	5	13	2	6
608	190	608190	Roop	STV-L		2	13	42	2	6
608	190	608190	Roop	STV-L		3	13	36	2	6
608	191	608191	Easte	GRV-SL		1	0	5	2	6
608	191	608191	Easte	GRV-SL		1	0	13	2	6
608	191	608191	Easte	GRV-SL		2	5	13	2	6
608	191	608191	Easte	GRV-SL		2	13	42	2	6
608	191	608191	Easte	GRV-SL		3	13	36	2	6
608	191	608191	Roop	STV-L		1	0	5	2	6
608	191	608191	Roop	STV-L		1	0	13	2	6
608	191	608191	Roop	STV-L		2	5	13	2	6
608	191	608191	Roop	STV-L		2	13	42	2	6
608	191	608191	Roop	STV-L		3	13	36	2	6
608	192	608192	Epot	VFSL		6	48	63	6	20
608	192	608192	Playas	SIC		6	48	63	6	20
608	193	608193	Epot	VFSL		6	48	63	6	20
608	193	608193	Playas	SIC		6	48	63	6	20
608	193	608193	Ragtown	L		6	48	63	6	20
608	194	608194	Fiddler	STV-L		1	0	60	20	20
608	194	608194	Gavel	ST-L		1	0	60	20	20
608	194	608194	Rubble Land	FRAG		1	0	60	20	20
608	195	608195	Fiddler	STV-L		1	0	60	20	20
608	195	608195	Gavel	ST-L		1	0	60	20	20
608	195	608195	Rubble Land	FRAG		1	0	60	20	20
608	200	608200	Fivesprings	STV-L		1	0	60	20	20
608	200	608200	Longcreek	STV-L		1	0	60	20	20
608	200	608200	Rubble Land	FRAG		1	0	60	20	20
608	201	608201	Devada	CBV-L		1	0	60	20	20
608	201	608201	Fivesprings	STV-L		1	0	60	20	20
608	201	608201	Rubble Land	FRAG		1	0	60	20	20
608	203	608203	Fluvents	VFSL		1	0	6	6	20
608	203	608203	Fluvents	VFSL		2	6	60	6	20
608	203	608203	Fluvents	VFSL		2	4	60	0.6	6
608	203	608203	Riverwash	GRX-COS		1	0	6	6	20
608	203	608203	Riverwash	GRX-COS		2	6	60	6	20
608	203	608203	Riverwash	GRX-COS		2	4	60	0.6	6
608	204	608204	Fordney	LS		1	0	10	2	6
608	204	608204	Fordney	LS		2	10	60	6	20
608	205	608205	Fordney	LFS		1	0	10	2	6
608	205	608205	Fordney	LFS		2	10	60	6	20
608	206	608206	Fordney	LFS		1	0	12	2	6
608	206	608206	Fordney	LFS		2	12	60	6	20
608	207	608207	Forgay	GRV-SL		1	0	11	2	6
608	207	608207	Forgay	GRV-SL		2	11	60	2	6
608	208	608208	Forgay	GRX-SL		1	0	11	2	6
608	208	608208	Forgay	GRX-SL		2	11	40	2	6
608	208	608208	Forgay	GRX-SL		3	40	60	2	6
608	209	608209	Fortsage	FSL		1	0	10	2	6
608	209	608209	Fortsage	FSL		2	10	60	2	6
608	210	608210	Fortsage	SIL		1	0	2	2	6
608	210	608210	Fortsage	SIL		2	2	60	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
608	215	608215	Galeppi	SL		1	0	18	2	6
608	216	608216	Galeppi	SL		1	0	18	2	6
608	217	608217	Galeppi	LS		1	0	3	6	20
608	217	608217	Galeppi	LS		1	0	18	6	20
608	217	608217	Galeppi	LS		2	3	12	6	20
608	217	608217	Galeppi	LS		3	12	16	0	20
608	217	608217	Glenbrook	S		1	0	3	6	20
608	217	608217	Glenbrook	S		1	0	18	6	20
608	217	608217	Glenbrook	S		2	3	12	6	20
608	217	608217	Glenbrook	S		3	12	16	0	20
608	223	608223	Gerle	SL		1	0	13	2	6
608	223	608223	Gerle	SL		2	13	72	2	6
608	224	608224	Gerle	SL		1	0	18	2	6
608	224	608224	Gerle	SL		2	18	46	2	6
608	224	608224	Gerle	SL		3	46	60	2	6
608	225	608225	Gerle	BYV-SL		1	0	13	2	6
608	225	608225	Gerle	BYV-SL		1	0	13	2	6
608	225	608225	Gerle	BYV-SL		1	0	13	2	6
608	225	608225	Gerle	SL		1	0	13	2	6
608	225	608225	Gerle	SL		1	0	13	2	6
608	225	608225	Gerle	SL		1	0	13	2	6
608	225	608225	Gerle	SL		1	0	13	2	6
608	225	608225	Gerle	SL		1	0	13	2	6
608	225	608225	Gerle	SL		1	0	13	2	6
608	225	608225	Gerle	BYV-SL		2	13	46	2	6
608	225	608225	Gerle	BYV-SL		2	13	46	2	6
608	225	608225	Gerle	BYV-SL		2	13	46	2	6
608	225	608225	Gerle	SL		2	13	46	2	6
608	225	608225	Gerle	SL		2	13	46	2	6
608	225	608225	Gerle	SL		2	13	46	2	6
608	225	608225	Gerle	SL		2	13	46	2	6
608	225	608225	Gerle	SL		2	13	46	2	6
608	225	608225	Gerle	SL		2	13	46	2	6
608	225	608225	Gerle	BYV-SL		3	46	60	2	6
608	225	608225	Gerle	BYV-SL		3	46	60	2	6
608	225	608225	Gerle	BYV-SL		3	46	60	2	6
608	225	608225	Gerle	SL		3	46	60	2	6
608	225	608225	Gerle	SL		3	46	60	2	6
608	225	608225	Gerle	SL		3	46	60	2	6
608	225	608225	Gerle	SL		3	46	60	2	6
608	225	608225	Gerle	SL		3	46	60	2	6
608	225	608225	Gerle	SL		3	46	60	2	6
608	226	608226	Glean	GRV-SL		1	0	14	2	6
608	226	608226	Glean	GRV-SL		2	14	44	2	6
608	227	608227	Glean	GRV-SL		1	0	14	2	6
608	227	608227	Glean	GRV-SL		2	14	44	2	6
608	228	608228	Glean	STV-L		1	0	14	2	6
608	228	608228	Glean	STV-L		2	14	44	2	6
608	228	608228	Searles	STV-L		1	0	14	2	6
608	228	608228	Searles	STV-L		2	14	44	2	6
608	229	608229	Glenbrook	GR-LCOS		1	0	60	0.06	6
608	229	608229	Glenbrook	GR-LCOS		1	0	14	6	20
608	229	608229	Glenbrook	GR-LCOS		1	0	3	6	20
608	229	608229	Glenbrook	GR-LCOS		2	14	22	6	20
608	229	608229	Glenbrook	GR-LCOS		2	3	12	6	20
608	229	608229	Glenbrook	GR-LCOS		3	22	26	0	20
608	229	608229	Glenbrook	GR-LCOS		3	12	16	0	20
608	229	608229	Graufels	BY-S		1	0	60	0.06	6
608	229	608229	Graufels	BY-S		1	0	14	6	20
608	229	608229	Graufels	BY-S		1	0	3	6	20
608	229	608229	Graufels	BY-S		2	14	22	6	20
608	229	608229	Graufels	BY-S		2	3	12	6	20
608	229	608229	Graufels	BY-S		3	22	26	0	20
608	229	608229	Graufels	BY-S		3	12	16	0	20

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
608	229	608229	Rock Outcrop	UWB		1	0	60	0.06	6
608	229	608229	Rock Outcrop	UWB		1	0	14	6	20
608	229	608229	Rock Outcrop	UWB		1	0	3	6	20
608	229	608229	Rock Outcrop	UWB		2	14	22	6	20
608	229	608229	Rock Outcrop	UWB		2	3	12	6	20
608	229	608229	Rock Outcrop	UWB		3	22	26	0	20
608	229	608229	Rock Outcrop	UWB		3	12	16	0	20
608	230	608230	Glenbrook	S		1	0	3	6	20
608	230	608230	Glenbrook	S		1	0	14	6	20
608	230	608230	Glenbrook	S		2	3	12	6	20
608	230	608230	Glenbrook	S		2	14	22	6	20
608	230	608230	Glenbrook	S		3	12	16	0	20
608	230	608230	Glenbrook	S		3	22	26	0	20
608	230	608230	Graufels	BY-S		1	0	3	6	20
608	230	608230	Graufels	BY-S		1	0	14	6	20
608	230	608230	Graufels	BY-S		2	3	12	6	20
608	230	608230	Graufels	BY-S		2	14	22	6	20
608	230	608230	Graufels	BY-S		3	12	16	0	20
608	230	608230	Graufels	BY-S		3	22	26	0	20
608	231	608231	Hagata	SIL		4	36	60	6	20
608	231	608231	Playas	SIC		4	36	60	6	20
608	232	608232	Hangtown	CBV-SL		1	0	9	2	6
608	232	608232	Hangtown	CBV-SL		2	9	58	2	6
608	235	608235	Haypress	BYV-LCOS		1	0	10	6	20
608	235	608235	Haypress	BYV-LCOS		1	0	16	6	20
608	235	608235	Haypress	BYV-LCOS		2	16	42	6	20
608	235	608235	Haypress	BYV-LCOS		3	26	30	0	20
608	235	608235	Haypress	BYV-LCOS		3	42	46	0	20
608	235	608235	Tanob	GR-LCOS		1	0	10	6	20
608	235	608235	Tanob	GR-LCOS		1	0	16	6	20
608	235	608235	Tanob	GR-LCOS		2	16	42	6	20
608	235	608235	Tanob	GR-LCOS		3	26	30	0	20
608	235	608235	Tanob	GR-LCOS		3	42	46	0	20
608	236	608236	Herjun	LS		1	0	18	6	20
608	236	608236	Herjun	LS		3	40	53	6	20
608	238	608238	Highrock	FSL		1	0	3	2	6
608	238	608238	Highrock	FSL		1	0	5	2	6
608	238	608238	Highrock	FSL		1	0	5	2	6
608	238	608238	Highrock	FSL		2	5	60	2	6
608	238	608238	Highrock	FSL		3	30	60	6	20
608	238	608238	Highrock	FSL		4	30	60	6	20
608	238	608238	Mazuma	LFS		1	0	3	2	6
608	238	608238	Mazuma	LFS		1	0	5	2	6
608	238	608238	Mazuma	LFS		1	0	5	2	6
608	238	608238	Mazuma	LFS		2	5	60	2	6
608	238	608238	Mazuma	LFS		3	30	60	6	20
608	238	608238	Mazuma	LFS		4	30	60	6	20
608	238	608238	Wespac	FSL		1	0	3	2	6
608	238	608238	Wespac	FSL		1	0	5	2	6
608	238	608238	Wespac	FSL		1	0	5	2	6
608	238	608238	Wespac	FSL		2	5	60	2	6
608	238	608238	Wespac	FSL		3	30	60	6	20
608	238	608238	Wespac	FSL		4	30	60	6	20
608	239	608239	Highrock	LFS		1	0	4	20	20
608	239	608239	Highrock	LFS		1	0	10	2	6
608	239	608239	Highrock	LFS		1	0	5	2	6
608	239	608239	Highrock	LFS		2	4	60	20	20
608	239	608239	Wespac	FSL		1	0	4	20	20
608	239	608239	Wespac	FSL		1	0	10	2	6
608	239	608239	Wespac	FSL		1	0	5	2	6
608	239	608239	Wespac	FSL		2	4	60	20	20
608	239	608239	Zorravista	LS		1	0	4	20	20
608	239	608239	Zorravista	LS		1	0	10	2	6
608	239	608239	Zorravista	LS		1	0	5	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
608	239	608239	Zorravista	LS		2	4	60	20	20
608	241	608241	Honlak	L		5	46	60	2	20
608	243	608243	Brubeck	CBV-C		3	32	42	0.01	20
608	243	608243	Horsecamp	CBV-SIC		3	32	42	0.01	20
608	250	608250	Hunnton	CB-SL	THICK	1	0	2	2	6
608	250	608250	Hunnton	CB-SL	THICK	1	0	5	2	6
608	250	608250	Shinnpeak	CBV-SL	THICK	1	0	2	2	6
608	250	608250	Shinnpeak	CBV-SL	THICK	1	0	5	2	6
608	251	608251	Incy	FS		1	0	9	20	20
608	251	608251	Incy	FS		2	9	60	20	20
608	252	608252	Incy	FS		1	0	9	20	20
608	252	608252	Incy	FS		2	9	60	20	20
608	253	608253	Graufels	GR-LCOS		1	0	14	6	20
608	253	608253	Graufels	GR-LCOS		1	0	8	2	6
608	253	608253	Graufels	GR-LCOS		2	14	22	6	20
608	253	608253	Graufels	GR-LCOS		3	22	26	0	20
608	253	608253	Indiano	GR-SL		1	0	14	6	20
608	253	608253	Indiano	GR-SL		1	0	8	2	6
608	253	608253	Indiano	GR-SL		2	14	22	6	20
608	253	608253	Indiano	GR-SL		3	22	26	0	20
608	256	608256	Duco	ST-L		1	0	4	2	6
608	256	608256	Duco	ST-L		3	26	30	0	20
608	256	608256	Indiano	ST-FSL		1	0	4	2	6
608	256	608256	Indiano	ST-FSL		3	26	30	0	20
608	256	608256	Zephan	ST-SL		1	0	4	2	6
608	256	608256	Zephan	ST-SL		3	26	30	0	20
608	257	608257	Inville	GRV-SL		3	21	60	2	6
608	260	608260	Keddie	L		3	50	60	2	6
608	262	608262	Ladd	SL		1	0	8	2	6
608	262	608262	Ladd	SL		3	39	72	2	6
608	263	608263	Bieber	SL	THICK	1	0	8	2	6
608	263	608263	Bieber	SL	THICK	3	39	72	2	6
608	263	608263	Ladd	SL		1	0	8	2	6
608	263	608263	Ladd	SL		3	39	72	2	6
608	266	608266	Lasco	GR-SL		1	0	9	2	6
608	266	608266	Lasco	GR-SL		2	9	60	2	6
608	267	608267	Lasco	GR-SL		1	0	9	2	6
608	267	608267	Lasco	GR-SL		2	9	49	2	6
608	268	608268	Lasco	GR-L		1	0	9	2	6
608	268	608268	Lasco	GR-L		2	9	49	2	6
608	269	608269	Bonta	COSL		1	0	12	2	6
608	269	608269	Bonta	COSL		1	0	9	2	6
608	269	608269	Bonta	COSL		2	12	36	2	6
608	269	608269	Bonta	COSL		2	9	49	2	6
608	269	608269	Lasco	SL		1	0	12	2	6
608	269	608269	Lasco	SL		1	0	9	2	6
608	269	608269	Lasco	SL		2	12	36	2	6
608	269	608269	Lasco	SL		2	9	49	2	6
608	270	608270	Lieberman	FSL		1	0	12	2	6
608	270	608270	Lieberman	FSL		3	20	60	6	20
608	271	608271	Herlong	FSL	THIN	1	0	3	2	6
608	271	608271	Herlong	FSL	THIN	1	0	12	2	6
608	271	608271	Herlong	FSL	THIN	2	3	9	2	6
608	271	608271	Herlong	FSL	THIN	3	20	60	6	20
608	271	608271	Lieberman	FSL		1	0	3	2	6
608	271	608271	Lieberman	FSL		1	0	12	2	6
608	271	608271	Lieberman	FSL		2	3	9	2	6
608	271	608271	Lieberman	FSL		3	20	60	6	20
608	273	608273	Devada	CBV-L		1	0	60	20	20
608	273	608273	Longcreek	CBV-L		1	0	60	20	20
608	273	608273	Rubble Land	FRAG		1	0	60	20	20
608	274	608274	Devada	CBV-L		1	0	60	20	20
608	274	608274	Longcreek	CBV-L		1	0	60	20	20
608	274	608274	Rubble Land	FRAG		1	0	60	20	20

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
608	277	608277	Loomis	CBV-L		1	0	60	20	20
608	277	608277	Rubble Land	FRAG		1	0	60	20	20
608	278	608278	Devada	CBV-L		1	0	3	2	6
608	278	608278	Devada	CBV-L		2	3	44	2	6
608	278	608278	Glean	STV-L		1	0	3	2	6
608	278	608278	Glean	STV-L		2	3	44	2	6
608	278	608278	Madeline	STV-L		1	0	3	2	6
608	278	608278	Madeline	STV-L		2	3	44	2	6
608	280	608280	Massack	L		1	0	33	2	6
608	280	608280	Massack	L		2	33	60	2	6
608	281	608281	Mazuma	LFS		1	0	5	2	6
608	281	608281	Mazuma	LFS		2	5	60	2	6
608	282	608282	Mazuma	FSL		1	0	7	2	6
608	282	608282	Mazuma	FSL		2	7	30	2	6
608	282	608282	Mazuma	FSL		3	30	60	2	6
608	283	608283	McConnel	GR-FSL		1	0	17	6	20
608	283	608283	McConnel	GR-FSL		1	0	10	2	6
608	283	608283	McConnel	GR-FSL		2	17	60	6	20
608	283	608283	McConnel	GR-FSL		2	10	60	20	20
608	283	608283	Mottsville	GR-LCOS		1	0	17	6	20
608	283	608283	Mottsville	GR-LCOS		1	0	10	2	6
608	283	608283	Mottsville	GR-LCOS		2	17	60	6	20
608	283	608283	Mottsville	GR-LCOS		2	10	60	20	20
608	285	608285	Modoc	SL	THICK	1	0	6	2	6
608	285	608285	Modoc	SL	THICK	3	27	41	2	6
608	285	608285	Truax	SL	THICK	1	0	6	2	6
608	285	608285	Truax	SL	THICK	3	27	41	2	6
608	286	608286	Mottsville	LCOS		1	0	17	6	20
608	286	608286	Mottsville	LCOS		2	17	60	6	20
608	287	608287	Mottsville	LCOS		1	0	17	6	20
608	287	608287	Mottsville	LCOS		2	17	60	6	20
608	288	608288	Mottsville	GR-LCOS		1	0	17	6	20
608	288	608288	Mottsville	GR-LCOS		2	17	60	6	20
608	289	608289	Mottsville	GR-LCOS		1	0	17	6	20
608	289	608289	Mottsville	GR-LCOS		2	17	60	6	20
608	290	608290	Mottsville	GR-LCOS		1	0	17	6	20
608	290	608290	Mottsville	GR-LCOS		2	17	60	6	20
608	291	608291	Mottsville	GR-LCOS		1	0	17	6	20
608	291	608291	Mottsville	GR-LCOS		2	17	60	6	20
608	292	608292	Galeppi	SL		1	0	18	2	6
608	292	608292	Galeppi	SL		1	0	17	6	20
608	292	608292	Galeppi	SL		2	17	60	6	20
608	292	608292	Mottsville	GR-LCOS		1	0	18	2	6
608	292	608292	Mottsville	GR-LCOS		1	0	17	6	20
608	292	608292	Mottsville	GR-LCOS		2	17	60	6	20
608	293	608293	Mountmed	PEAT		1	0	6	6	20
608	293	608293	Mountmed	PEAT		4	47	60	0.6	6
608	294	608294	Mountmed	L		3	35	60	0.6	6
608	295	608295	Mountmed	CL		3	31	60	0.2	6
608	299	608299	Ninemile	CBX-L		1	0	14	2	6
608	299	608299	Weste	GRV-SL		1	0	14	2	6
608	302	608302	Orhood	STV-SL		1	0	4	2	6
608	304	608304	Outland	STV-L		1	0	4	0.6	6
608	304	608304	Outland	STV-L		2	4	10	0.6	6
608	305	608305	Outland	GR-SL		1	0	4	0.6	6
608	305	608305	Outland	GR-SL		1	0	4	2	6
608	305	608305	Outland	STV-L		1	0	4	0.6	6
608	305	608305	Outland	STV-L		1	0	4	2	6
608	305	608305	Outland	GR-SL		2	4	10	0.6	6
608	305	608305	Outland	GR-SL		2	4	10	0.6	6
608	305	608305	Outland	STV-L		2	4	10	0.6	6
608	305	608305	Outland	STV-L		2	4	10	0.6	6
608	306	608306	Outland	ST-SL		1	0	12	2	6
608	306	608306	Outland	ST-SL		1	0	4	0.6	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
608	306	608306	Outland	ST-SL		2	4	10	0.6	6
608	306	608306	Penstock	GRV-SL		1	0	12	2	6
608	306	608306	Penstock	GRV-SL		1	0	4	0.6	6
608	306	608306	Penstock	GRV-SL		2	4	10	0.6	6
608	307	608307	Outland	ST-SL		1	0	12	2	6
608	307	608307	Outland	ST-SL		1	0	4	0.6	6
608	307	608307	Outland	ST-SL		2	4	10	0.6	6
608	307	608307	Penstock	GRV-SL		1	0	12	2	6
608	307	608307	Penstock	GRV-SL		1	0	4	0.6	6
608	307	608307	Penstock	GRV-SL		2	4	10	0.6	6
608	310	608310	Deadwood	GRV-SL		1	0	9	2	6
608	310	608310	Deadwood	GRV-SL		1	0	12	2	6
608	310	608310	Deadwood	GRV-SL		2	9	16	2	6
608	310	608310	Penstock	GRV-SL		1	0	9	2	6
608	310	608310	Penstock	GRV-SL		1	0	12	2	6
608	310	608310	Penstock	GRV-SL		2	9	16	2	6
608	311	608311	Deadwood	GRV-SL		1	0	60	0.06	6
608	311	608311	Deadwood	GRV-SL		1	0	9	2	6
608	311	608311	Deadwood	GRV-SL		1	0	12	2	6
608	311	608311	Deadwood	GRV-SL		2	9	16	2	6
608	311	608311	Penstock	GRV-SL		1	0	60	0.06	6
608	311	608311	Penstock	GRV-SL		1	0	9	2	6
608	311	608311	Penstock	GRV-SL		1	0	12	2	6
608	311	608311	Penstock	GRV-SL		2	9	16	2	6
608	311	608311	Rock Outcrop	UWB		1	0	60	0.06	6
608	311	608311	Rock Outcrop	UWB		1	0	9	2	6
608	311	608311	Rock Outcrop	UWB		1	0	12	2	6
608	311	608311	Rock Outcrop	UWB		2	9	16	2	6
608	327	608327	Plinco	GR-SL		1	0	5	2	6
608	327	608327	Plinco	GR-SL		2	5	11	2	6
608	327	608327	Plinco	GR-SL		3	11	64	2	6
608	328	608328	Plinco	L		1	0	5	2	6
608	328	608328	Plinco	L		2	5	11	2	6
608	328	608328	Plinco	L		3	11	64	2	6
608	332	608332	Quartzburg	ST-LS		1	0	12	2	6
608	332	608332	Quartzburg	ST-LS		1	0	7	6	20
608	332	608332	Quartzburg	ST-LS		2	7	26	20	20
608	332	608332	Scaribou	GRV-L		1	0	12	2	6
608	332	608332	Scaribou	GRV-L		1	0	7	6	20
608	332	608332	Scaribou	GRV-L		2	7	26	20	20
608	337	608337	Gerle	SL		1	0	13	2	6
608	337	608337	Gerle	SL		1	0	6	2	6
608	337	608337	Gerle	SL		2	13	36	2	6
608	337	608337	Gerle	SL		2	6	39	2	6
608	337	608337	Gerle	SL		3	36	60	2	6
608	337	608337	Redriver	GRV-SL		1	0	13	2	6
608	337	608337	Redriver	GRV-SL		1	0	6	2	6
608	337	608337	Redriver	GRV-SL		2	13	36	2	6
608	337	608337	Redriver	GRV-SL		2	6	39	2	6
608	337	608337	Redriver	GRV-SL		3	36	60	2	6
608	338	608338	Redriver	GRV-SL		1	0	14	2	6
608	338	608338	Redriver	GRV-SL		1	0	3	2	6
608	338	608338	Redriver	GRV-SL		2	3	36	2	6
608	338	608338	Weste	GRV-SL		1	0	14	2	6
608	338	608338	Weste	GRV-SL		1	0	3	2	6
608	338	608338	Weste	GRV-SL		2	3	36	2	6
608	339	608339	Redriver	ST-SL		1	0	13	2	6
608	339	608339	Redriver	ST-SL		1	0	9	2	6
608	339	608339	Redriver	ST-SL		1	0	6	2	6
608	339	608339	Redriver	ST-SL		2	13	24	2	6
608	339	608339	Redriver	ST-SL		2	9	19	2	6
608	339	608339	Redriver	ST-SL		2	6	31	2	6
608	339	608339	Wafla	GR-SL		1	0	13	2	6
608	339	608339	Wafla	GR-SL		1	0	9	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
608	339	608339	Wafla	GR-SL		1	0	6	2	6
608	339	608339	Wafla	GR-SL		2	13	24	2	6
608	339	608339	Wafla	GR-SL		2	9	19	2	6
608	339	608339	Wafla	GR-SL		2	6	31	2	6
608	339	608339	Woodwest	STV-SL		1	0	13	2	6
608	339	608339	Woodwest	STV-SL		1	0	9	2	6
608	339	608339	Woodwest	STV-SL		1	0	6	2	6
608	339	608339	Woodwest	STV-SL		2	13	24	2	6
608	339	608339	Woodwest	STV-SL		2	9	19	2	6
608	339	608339	Woodwest	STV-SL		2	6	31	2	6
608	341	608341	Rose Creek	L		2	5	60	2	6
608	342	608342	Rose Creek	L		2	25	60	2	6
608	343	608343	Fiddler	STV-L		1	0	60	20	20
608	343	608343	Rubble Land	FRAG		1	0	60	20	20
608	344	608344	Fivesprings	STV-L		1	0	60	20	20
608	344	608344	Longcreek	STV-L		1	0	60	20	20
608	344	608344	Rubble Land	FRAG		1	0	60	20	20
608	345	608345	Rock Outcrop	UWB		1	0	60	0.06	6
608	345	608345	Rock Outcrop	UWB		1	0	60	20	20
608	345	608345	Rubble Land	FRAG		1	0	60	0.06	6
608	345	608345	Rubble Land	FRAG		1	0	60	20	20
608	346	608346	Rubble Land	FRAG		1	0	14	2	6
608	346	608346	Rubble Land	FRAG		1	0	60	20	20
608	346	608346	Weste	STV-SL		1	0	14	2	6
608	346	608346	Weste	STV-SL		1	0	60	20	20
608	347	608347	Saddlerock	PEAT		1	0	6	6	20
608	354	608354	Scaribou	GRV-SL		1	0	3	2	6
608	354	608354	Scaribou	GRV-SL		2	3	19	2	6
608	355	608355	Penstock	STV-L		1	0	60	0.06	6
608	355	608355	Rock Outcrop	UWB		1	0	60	0.06	6
608	355	608355	Scaribou	STX-L		1	0	60	0.06	6
608	357	608357	Devada	CBV-L		1	0	60	20	20
608	357	608357	Rubble Land	FRAG		1	0	60	20	20
608	357	608357	Searles	CBV-L		1	0	60	20	20
608	358	608358	Glean	GR-SL		1	0	14	2	6
608	358	608358	Glean	GR-SL		2	14	44	2	6
608	358	608358	Searles	STV-L		1	0	14	2	6
608	358	608358	Searles	STV-L		2	14	44	2	6
608	359	608359	Glean	GR-SL		1	0	14	2	6
608	359	608359	Glean	GR-SL		2	14	44	2	6
608	359	608359	Searles	STV-L		1	0	14	2	6
608	359	608359	Searles	STV-L		2	14	44	2	6
608	365	608365	Springmeyer	SL		1	0	11	2	6
608	367	608367	Stacy	FSL		2	10	50	2	6
608	367	608367	Stacy	FSL		3	50	62	6	20
608	368	608368	Standish	FSL		1	0	7	2	6
608	368	608368	Standish	FSL		4	27	53	2	6
608	368	608368	Standish	FSL		5	53	65	6	20
608	373	608373	Almanor	GRV-SL		1	0	3	2	6
608	373	608373	Almanor	GRV-SL		1	0	5	2	6
608	373	608373	Almanor	GRV-SL		2	5	40	2	6
608	373	608373	Swainow	ST-SL		1	0	3	2	6
608	373	608373	Swainow	ST-SL		1	0	5	2	6
608	373	608373	Swainow	ST-SL		2	5	40	2	6
608	373	608373	Tahand	GR-SL		1	0	3	2	6
608	373	608373	Tahand	GR-SL		1	0	5	2	6
608	373	608373	Tahand	GR-SL		2	5	40	2	6
608	374	608374	Almanor	STV-SL		1	0	5	2	6
608	374	608374	Almanor	STV-SL		2	5	40	2	6
608	374	608374	Swainow	STV-SL		1	0	5	2	6
608	374	608374	Swainow	STV-SL		2	5	40	2	6
608	375	608375	Redriver	GRV-SL		1	0	6	2	6
608	375	608375	Redriver	GRV-SL		2	6	28	2	6
608	375	608375	Swainow	GRV-SL		1	0	6	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
608	375	608375	Swainow	GRV-SL		2	6	28	2	6
608	376	608376	Swainow	STV-SL		1	0	8	2	6
608	376	608376	Tahand	STV-SL		1	0	8	2	6
608	377	608377	Baileycreek	GRV-L		1	0	9	2	6
608	377	608377	Baileycreek	GRV-L		1	0	8	2	6
608	377	608377	Tahand	GRV-L		1	0	9	2	6
608	377	608377	Tahand	GRV-L		1	0	8	2	6
608	378	608378	Almanor	GRV-SL		1	0	5	2	6
608	378	608378	Almanor	GRV-SL		1	0	8	2	6
608	378	608378	Almanor	GRV-SL		2	5	40	2	6
608	378	608378	Swainow	ST-SL		1	0	5	2	6
608	378	608378	Swainow	ST-SL		1	0	8	2	6
608	378	608378	Swainow	ST-SL		2	5	40	2	6
608	378	608378	Tahand	GR-SL		1	0	5	2	6
608	378	608378	Tahand	GR-SL		1	0	8	2	6
608	378	608378	Tahand	GR-SL		2	5	40	2	6
608	382	608382	Lasco	GR-LCOS		1	0	7	6	20
608	382	608382	Lasco	GR-LCOS		1	0	9	2	6
608	382	608382	Lasco	GR-LCOS		1	0	7	6	20
608	382	608382	Lasco	GR-LCOS		2	7	26	20	20
608	382	608382	Lasco	GR-LCOS		2	9	49	2	6
608	382	608382	Lasco	GR-LCOS		2	7	15	6	20
608	382	608382	Lasco	GR-LCOS		3	15	19	0	20
608	382	608382	Quartzburg	ST-LS		1	0	7	6	20
608	382	608382	Quartzburg	ST-LS		1	0	9	2	6
608	382	608382	Quartzburg	ST-LS		1	0	7	6	20
608	382	608382	Quartzburg	ST-LS		2	7	26	20	20
608	382	608382	Quartzburg	ST-LS		2	9	49	2	6
608	382	608382	Quartzburg	ST-LS		2	7	15	6	20
608	382	608382	Quartzburg	ST-LS		3	15	19	0	20
608	382	608382	Toiyabe	LCOS		1	0	7	6	20
608	382	608382	Toiyabe	LCOS		1	0	9	2	6
608	382	608382	Toiyabe	LCOS		1	0	7	6	20
608	382	608382	Toiyabe	LCOS		2	7	26	20	20
608	382	608382	Toiyabe	LCOS		2	9	49	2	6
608	382	608382	Toiyabe	LCOS		2	7	15	6	20
608	382	608382	Toiyabe	LCOS		3	15	19	0	20
608	383	608383	Lasco	GR-LCOS		1	0	9	2	6
608	383	608383	Lasco	GR-LCOS		1	0	7	6	20
608	383	608383	Lasco	GR-LCOS		2	9	49	2	6
608	383	608383	Lasco	GR-LCOS		2	7	15	6	20
608	383	608383	Lasco	GR-LCOS		3	15	19	0	20
608	383	608383	Toiyabe	GR-LCOS		1	0	9	2	6
608	383	608383	Toiyabe	GR-LCOS		1	0	7	6	20
608	383	608383	Toiyabe	GR-LCOS		2	9	49	2	6
608	383	608383	Toiyabe	GR-LCOS		2	7	15	6	20
608	383	608383	Toiyabe	GR-LCOS		3	15	19	0	20
608	384	608384	Torriorthents	L		1	0	4	20	20
608	384	608384	Torriorthents	L		2	4	60	20	20
608	384	608384	Zorravista	LS		1	0	4	20	20
608	384	608384	Zorravista	LS		2	4	60	20	20
608	385	608385	Truax	SL		1	0	11	2	6
608	385	608385	Truax	SL		3	38	60	2	6
608	392	608392	Ulhalf	GRV-L		1	0	4	2	6
608	393	608393	Gavel	STV-SL		1	0	4	2	6
608	393	608393	Ulhalf	GRV-SL		1	0	4	2	6
608	394	608394	Southpac	STV-L		1	0	4	2	6
608	394	608394	Ulhalf	GRV-SL		1	0	4	2	6
608	395	608395	Chalco	GR-FSL		1	0	4	2	6
608	395	608395	Chalco	GR-FSL		1	0	3	2	6
608	395	608395	Verdico	CB-SL		1	0	4	2	6
608	395	608395	Verdico	CB-SL		1	0	3	2	6
608	396	608396	Wespac	S		1	0	10	6	20
608	398	608398	Baileycreek	BYV-L		1	0	3	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
608	398	608398	Baileycreek	BYV-L		1	0	8	2	6
608	398	608398	Baileycreek	BYV-L		1	0	9	2	6
608	398	608398	Tahand	STV-SL		1	0	3	2	6
608	398	608398	Tahand	STV-SL		1	0	8	2	6
608	398	608398	Tahand	STV-SL		1	0	9	2	6
608	398	608398	Weste	BYV-SL		1	0	3	2	6
608	398	608398	Weste	BYV-SL		1	0	8	2	6
608	398	608398	Weste	BYV-SL		1	0	9	2	6
608	399	608399	Rock Outcrop	UWB		1	0	60	0.06	6
608	399	608399	Rock Outcrop	UWB		1	0	14	2	6
608	399	608399	Weste	GRV-SL		1	0	60	0.06	6
608	399	608399	Weste	GRV-SL		1	0	14	2	6
608	401	608401	Almanor	GRV-SL		1	0	5	2	6
608	401	608401	Almanor	GRV-SL		1	0	5	2	6
608	401	608401	Almanor	GRV-SL		2	5	40	2	6
608	401	608401	Almanor	GRV-SL		2	5	27	2	6
608	401	608401	Whorled	GRV-SL		1	0	5	2	6
608	401	608401	Whorled	GRV-SL		1	0	5	2	6
608	401	608401	Whorled	GRV-SL		2	5	40	2	6
608	401	608401	Whorled	GRV-SL		2	5	27	2	6
608	403	608403	Brubeck	CBV-C		3	32	42	0.01	20
608	403	608403	Diaz	CBV-SIL		3	32	42	0.01	20
608	403	608403	Wylo	STV-L		3	32	42	0.01	20
608	405	608405	Aquolls	GR-SL		1	0	11	0.6	20
608	405	608405	Aquolls	GR-SL		2	11	60	0.06	20
608	405	608405	Xerolls	LCOS		1	0	11	0.6	20
608	405	608405	Xerolls	LCOS		2	11	60	0.06	20
608	407	608407	Zorravista	LS		1	0	4	20	20
608	407	608407	Zorravista	LS		2	4	60	20	20
608	408	608408	Zorravista	S		1	0	4	20	20
608	408	608408	Zorravista	S		2	4	60	20	20
610	105	610105	Baywood Variant	S		1	0	60	6	20
610	116	610116	Gaviota	SL		1	0	11	2	6
610	116	610116	Rock Outcrop			1	0	11	2	6
610	117	610117	Laugenour	L		2	8	23	2	6
610	117	610117	Laugenour	L		4	40	60	2	6
610	147	610147	Baywood	LS		1	0	16	6	20
610	147	610147	Baywood	LS		2	16	60	6	20
610	147	610147	Urban Land			1	0	16	6	20
610	147	610147	Urban Land			2	16	60	6	20
610	156	610156	Xeropsamments			1	0	60	6	20
612	124	612124	Liveoak	SCL		2	10	56	0.2	6
612	124	612124	Liveoak	SCL		3	56	60	6	20
612	125	612125	Gridley	L		1	0	17	2	6
612	125	612125	Gridley	L		2	17	44	0.6	6
612	125	612125	Oquin	SL		1	0	17	2	6
612	125	612125	Oquin	SL		2	17	44	0.6	6
612	126	612126	Liveoak	SL		1	0	17	2	6
612	126	612126	Liveoak	SL		2	17	61	0.2	6
612	126	612126	Liveoak	SL		3	61	75	6	20
612	129	612129	Liveoak	SL		1	0	61	2	6
612	129	612129	Liveoak	SL		2	61	75	6	20
612	129	612129	Urbanland	VAR		1	0	61	2	6
612	129	612129	Urbanland	VAR		2	61	75	6	20
612	150	612150	Columbia	S		1	0	5	6	20
612	150	612150	Columbia	S		2	5	10	2	6
612	150	612150	Columbia	S		3	10	29	2	6
612	150	612150	Columbia	S		4	29	37	2	6
612	150	612150	Columbia	S		5	37	46	6	20
612	150	612150	Columbia	S		6	46	60	6	20
612	151	612151	Maywood	LFS		1	0	3	2	6
612	151	612151	Maywood	LFS		2	3	10	2	6
612	151	612151	Maywood	LFS		3	10	18	2	20
612	151	612151	Maywood	LFS		4	18	60	6	20

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
612	152	612152	Maywood	FSL		1	0	6	2	6
612	152	612152	Maywood	FSL		2	6	20	2	6
612	152	612152	Maywood	FSL		3	20	34	2	6
612	152	612152	Maywood	FSL		4	34	60	2	6
612	153	612153	Maywood	SL		1	0	8	2	6
612	153	612153	Maywood	SL		2	8	28	2	6
612	153	612153	Maywood	SL		3	28	60	2	6
612	154	612154	Maywood	SIL		1	0	2	2	6
612	154	612154	Maywood	SIL		2	2	8	2	6
612	154	612154	Maywood	SIL		3	8	15	2	6
612	154	612154	Maywood	SIL		4	15	41	2	6
612	154	612154	Maywood	SIL		5	41	72	2	6
612	157	612157	Maywood	FSL		1	0	16	2	6
612	157	612157	Maywood	FSL		2	16	24	2	6
612	157	612157	Maywood	FSL		3	24	40	6	20
612	157	612157	Maywood	FSL		4	40	60	2	20
612	158	612158	Gianella	FSL		1	0	12	2	6
612	158	612158	Gianella	FSL		2	12	48	0.6	6
612	158	612158	Gianella	FSL		3	48	57	0.6	6
612	158	612158	Gianella	FSL		4	57	80	2	20
612	160	612160	Gianella	L		1	0	18	0.6	6
612	160	612160	Gianella	L		2	18	42	0.6	6
612	160	612160	Gianella	L		3	42	52	0.6	6
612	160	612160	Gianella	L		4	52	70	2	20
612	195	612195	Olashes	SL		1	0	5	2	6
612	290	612290	Perkins	GR-L		4	38	48	2	6
612	290	612290	Perkins	GR-L		5	48	73	6	20
612	320	612320	Keyes	SL	THICK	1	0	5	2	6
612	320	612320	Redding	L	THICK	1	0	5	2	6
612	415	612415	Ignord	FSL		1	0	14	2	6
612	415	612415	Ignord	FSL		2	14	53	2	6
612	415	612415	Ignord	FSL		3	53	77	2	6
612	418	612418	Conejo	L		2	9	30	0.6	6
612	418	612418	Conejo	L		3	30	57	0.6	6
612	418	612418	Conejo	L		4	57	80	0.6	6
612	419	612419	Conejo	FSL		1	0	17	2	6
612	419	612419	Conejo	FSL		4	56	72	0.6	6
612	425	612425	Vina	FSL		1	0	11	2	6
612	425	612425	Vina	FSL		3	37	50	2	6
612	425	612425	Vina	FSL		4	50	80	6	20
612	426	612426	Vina	L		3	35	72	2	6
612	502	612502	Blavo	SIL	THICK	1	0	7	2	6
612	521	612521	Neerdobe	SIL	THICK	1	0	16	2	6
612	525	612525	Govstanford	L		2	3	11	0.6	6
612	525	612525	Govstanford	L		3	11	25	0.6	6
612	526	612526	Govstanford	L		2	3	11	0.6	6
612	526	612526	Govstanford	L		3	11	25	0.6	6
612	600	612600	Igo	GR-SL	THICK	1	0	9	2	6
612	600	612600	Keyes	SL	THICK	1	0	9	2	6
612	600	612600	Redding	GR-SL	THICK	1	0	9	2	6
612	605	612605	Arents	FSL	THIN	1	0	5	2	6
612	605	612605	Arents	FSL	THIN	2	5	12	2	6
612	605	612605	Redding	GR-SL	THICK	1	0	5	2	6
612	605	612605	Redding	GR-SL	THICK	2	5	12	2	6
612	990	612990	Riverwash	GRV-S		1	0	6	6	20
612	990	612990	Riverwash	GRV-S		2	6	60	6	20
618	135	618135	Chaix	COSL		1	0	15	2	6
618	135	618135	Chaix	COSL		1	0	9	2	6
618	135	618135	Chaix	COSL		2	9	29	2	6
618	135	618135	Chawanakee	COSL		1	0	15	2	6
618	135	618135	Chawanakee	COSL		1	0	9	2	6
618	135	618135	Chawanakee	COSL		2	9	29	2	6
618	135	618135	Hotaw	L		1	0	15	2	6
618	135	618135	Hotaw	L		1	0	9	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
618	135	618135	Hotaw	L		2	9	29	2	6
618	136	618136	Chaix	COSL		1	0	9	2	6
618	136	618136	Chaix	COSL		1	0	15	2	6
618	136	618136	Chaix	COSL		2	9	29	2	6
618	136	618136	Chawanakee	COSL		1	0	9	2	6
618	136	618136	Chawanakee	COSL		1	0	15	2	6
618	136	618136	Chawanakee	COSL		2	9	29	2	6
618	136	618136	Hotaw	L		1	0	9	2	6
618	136	618136	Hotaw	L		1	0	15	2	6
618	136	618136	Hotaw	L		2	9	29	2	6
618	137	618137	Columbia	FSL		1	0	9	2	6
618	137	618137	Columbia	FSL		2	9	18	2	6
618	137	618137	Columbia	FSL		3	18	68	2	6
618	138	618138	Columbia	FSL		1	0	9	2	6
618	138	618138	Columbia	FSL		2	9	18	2	6
618	138	618138	Columbia	FSL		3	18	68	2	6
618	139	618139	Columbia	FSL		1	0	9	2	6
618	139	618139	Columbia	FSL		2	9	18	2	6
618	139	618139	Columbia	FSL		3	18	68	2	6
618	140	618140	Columbia	FSL		1	0	9	2	6
618	140	618140	Columbia	FSL		2	9	18	2	6
618	140	618140	Columbia	FSL		3	18	68	2	6
618	140	618140	Urban Land	VAR		1	0	9	2	6
618	140	618140	Urban Land	VAR		2	9	18	2	6
618	140	618140	Urban Land	VAR		3	18	68	2	6
618	144	618144	Deadwood	GRV-SL		1	0	14	2	6
618	144	618144	Hurlbut	GR-FSL		1	0	14	2	6
618	144	618144	Rock Outcrop	UWB		1	0	14	2	6
618	153	618153	Flanly	SL		1	0	5	2	6
618	153	618153	Flanly	SL		1	0	2	2	6
618	153	618153	Flanly	SL		2	2	17	2	6
618	153	618153	Orose	SL		1	0	5	2	6
618	153	618153	Orose	SL		1	0	2	2	6
618	153	618153	Orose	SL		2	2	17	2	6
618	153	618153	Verjeles	SL		1	0	5	2	6
618	153	618153	Verjeles	SL		1	0	2	2	6
618	153	618153	Verjeles	SL		2	2	17	2	6
618	154	618154	Flanly	SL		1	0	5	2	6
618	154	618154	Flanly	SL		1	0	2	2	6
618	154	618154	Flanly	SL		2	2	17	2	6
618	154	618154	Orose	SL		1	0	5	2	6
618	154	618154	Orose	SL		1	0	2	2	6
618	154	618154	Orose	SL		2	2	17	2	6
618	154	618154	Verjeles	SL		1	0	5	2	6
618	154	618154	Verjeles	SL		1	0	2	2	6
618	154	618154	Verjeles	SL		2	2	17	2	6
618	161	618161	Holillipah	LS		1	0	6	6	20
618	161	618161	Holillipah	LS		2	6	66	2	6
618	162	618162	Holillipah	LS		1	0	6	6	20
618	162	618162	Holillipah	LS		2	6	66	2	6
618	163	618163	Holillipah	LS		1	0	6	6	20
618	163	618163	Holillipah	LS		2	6	66	2	6
618	164	618164	Holland	SL		1	0	18	2	6
618	169	618169	Horst	SL		1	0	10	2	6
618	169	618169	Horst	SL		2	10	15	6	20
618	171	618171	Hotaw	SL		1	0	4	2	6
618	172	618172	Hotaw	SL		1	0	4	2	6
618	173	618173	Chawanakee	COSL		1	0	15	2	6
618	173	618173	Holland	L		1	0	15	2	6
618	173	618173	Hotaw	L		1	0	15	2	6
618	174	618174	Deadwood	GRV-SL		1	0	6	2	6
618	174	618174	Deadwood	GRV-SL		2	6	14	2	6
618	174	618174	Hurlbut	GR-FSL		1	0	6	2	6
618	174	618174	Hurlbut	GR-FSL		2	6	14	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
618	174	618174	Rock Outcrop	UWB		1	0	6	2	6
618	174	618174	Rock Outcrop	UWB		2	6	14	2	6
618	197	618197	Oakdale	SL		1	0	9	2	6
618	197	618197	Oakdale	SL		2	9	53	2	6
618	197	618197	Oakdale	SL		3	53	70	2	6
618	198	618198	Oakdale	SL		1	0	9	2	6
618	198	618198	Oakdale	SL		2	9	53	2	6
618	198	618198	Oakdale	SL		3	53	70	2	6
618	198	618198	Urban Land	VAR		1	0	9	2	6
618	198	618198	Urban Land	VAR		2	9	53	2	6
618	198	618198	Urban Land	VAR		3	53	70	2	6
618	199	618199	Orose	SL		1	0	2	2	6
618	199	618199	Orose	SL		2	2	17	2	6
618	200	618200	Orose	SL		1	0	2	2	6
618	200	618200	Orose	SL		2	2	17	2	6
618	206	618206	Pits, Sand	S		1	0	10	6	20
618	206	618206	Pits, Sand	S		2	10	60	6	20
618	213	618213	Riverwash	GR-COS		1	0	5	6	20
618	213	618213	Riverwash	GR-COS		2	5	60	2	20
618	232	618232	Rock Outcrop	UWB		1	0	6	2	6
618	232	618232	Rock Outcrop	UWB		2	6	14	2	6
618	232	618232	Slacreek	GR-SL		1	0	6	2	6
618	232	618232	Slacreek	GR-SL		2	6	14	2	6
618	248	618248	Trainer	L		3	36	66	2	6
618	249	618249	Tujunga	S		1	0	6	6	20
618	249	618249	Tujunga	S		2	6	58	6	20
618	249	618249	Tujunga	S		3	58	62	6	20
618	250	618250	Tujunga	GR-S		1	0	7	6	20
618	250	618250	Tujunga	GR-S		2	7	55	6	20
618	250	618250	Tujunga	GR-S		3	55	65	6	20
618	251	618251	Tujunga	S		1	0	6	6	20
618	251	618251	Tujunga	S		2	6	58	6	20
618	251	618251	Tujunga	S		3	58	62	6	20
620	106	620106	Andregg	COSL		1	0	15	2	6
620	106	620106	Andregg	COSL		2	15	29	2	6
620	107	620107	Andregg	COSL		1	0	15	2	6
620	107	620107	Andregg	COSL		2	15	29	2	6
620	108	620108	Andregg	COSL		1	0	15	2	6
620	108	620108	Andregg	COSL		2	15	29	2	6
620	109	620109	Andregg	COSL		1	0	15	2	6
620	109	620109	Andregg	COSL		2	15	29	2	6
620	110	620110	Andregg	COSL		1	0	15	2	6
620	110	620110	Andregg	COSL		2	15	29	2	6
620	111	620111	Andregg	COSL		1	0	15	2	6
620	111	620111	Andregg	COSL		2	15	29	2	6
620	112	620112	Andregg	COSL		1	0	15	2	6
620	112	620112	Andregg	COSL		2	15	29	2	6
620	112	620112	Rock Outcrop			1	0	15	2	6
620	112	620112	Rock Outcrop			2	15	29	2	6
620	113	620113	Andregg	COSL		1	0	15	2	6
620	113	620113	Andregg	COSL		2	15	29	2	6
620	113	620113	Shenandoah	SL		1	0	15	2	6
620	113	620113	Shenandoah	SL		2	15	29	2	6
620	129	620129	Caperton	GR-COSL		1	0	18	2	6
620	130	620130	Andregg	COSL		1	0	15	2	6
620	130	620130	Andregg	COSL		1	0	18	2	6
620	130	620130	Andregg	COSL		2	15	29	2	6
620	130	620130	Caperton	COSL		1	0	15	2	6
620	130	620130	Caperton	COSL		1	0	18	2	6
620	130	620130	Caperton	COSL		2	15	29	2	6
620	131	620131	Andregg	COSL		1	0	15	2	6
620	131	620131	Andregg	COSL		1	0	18	2	6
620	131	620131	Andregg	COSL		2	15	29	2	6
620	131	620131	Caperton	COSL		1	0	15	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
620	131	620131	Caperton	COSL		1	0	18	2	6
620	131	620131	Caperton	COSL		2	15	29	2	6
620	132	620132	Caperton	GR-COSL		1	0	18	2	6
620	132	620132	Rock Outcrop			1	0	18	2	6
620	133	620133	Caperton	GR-COSL		1	0	18	2	6
620	133	620133	Rock Outcrop			1	0	18	2	6
620	151	620151	Horseshoe	GR-L		1	0	60	20	20
620	151	620151	Rubble Land			1	0	60	20	20
620	156	620156	Iron Mountain	CB-SL		1	0	17	2	6
620	156	620156	Rock Outcrop			1	0	17	2	6
620	171	620171	McCarthy	CB-SL		1	0	13	2	6
620	171	620171	McCarthy	CB-SL		2	13	39	2	6
620	172	620172	McCarthy	CB-SL		1	0	13	2	6
620	172	620172	McCarthy	CB-SL		2	13	39	2	6
620	178	620178	Riverwash			1	0	6	6	20
620	178	620178	Riverwash			2	6	60	6	20
620	180	620180	Rubble Land			1	0	60	20	20
620	192	620192	Xerofluvents	S		1	0	60	2	20
630	127	630127	Chuloak	SL		1	0	12	2	6
630	127	630127	Chuloak	SL		3	38	60	2	6
630	130	630130	Columbia	SL		1	0	13	2	6
630	130	630130	Columbia	SL		2	13	60	2	6
630	131	630131	Columbia	SL		1	0	13	2	6
630	131	630131	Columbia	SL		2	13	60	2	6
630	142	630142	Delhi	LS		1	0	20	6	20
630	142	630142	Delhi	LS		2	20	60	6	20
630	175	630175	Honcut	SL		1	0	14	2	6
630	175	630175	Honcut	SL		2	14	60	2	6
630	176	630176	Honcut	FSL		1	0	14	2	6
630	176	630176	Honcut	FSL		2	14	60	2	6
630	177	630177	Honcut	GR-SL		1	0	14	2	6
630	177	630177	Honcut	GR-SL		2	14	60	2	6
630	193	630193	Madera	SL	THICK	1	0	10	2	6
630	206	630206	Pentz	FSL		1	0	9	2	6
630	206	630206	Pentz	FSL		2	9	16	2	6
630	207	630207	Pentz	FSL		1	0	9	2	6
630	207	630207	Pentz	FSL		2	9	16	2	6
630	210	630210	Pentz	GR-SL		1	0	9	2	6
630	210	630210	Pentz	GR-SL		2	9	16	2	6
630	210	630210	Redding	GR-L	THICK	1	0	9	2	6
630	210	630210	Redding	GR-L	THICK	2	9	16	2	6
630	266	630266	Veritas	FSL	THICK	1	0	16	2	6
630	266	630266	Veritas	FSL	THICK	2	16	47	2	6
630	888	630888	Mine Dredge Tailings	FRAG		1	0	6	6	20
630	888	630888	Mine Dredge Tailings	FRAG		1	0	60	6	20
630	888	630888	Mine Dredge Tailings	FRAG		2	6	60	6	20
630	888	630888	Riverwash	GR-S		1	0	6	6	20
630	888	630888	Riverwash	GR-S		1	0	60	6	20
630	888	630888	Riverwash	GR-S		2	6	60	6	20
642	150	642150	Columbia	FSL		1	0	14	2	6
642	150	642150	Columbia	FSL		2	14	60	2	6
642	151	642151	Columbia	FSL		1	0	14	2	6
642	151	642151	Columbia	FSL		2	12	41	2	6
642	151	642151	Columbia	FSL		2	14	60	2	6
642	151	642151	Columbia	FSL		3	41	60	6	20
642	151	642151	Columbia, Sandy Substratum	FSL		1	0	14	2	6
642	151	642151	Columbia, Sandy Substratum	FSL		2	12	41	2	6
642	151	642151	Columbia, Sandy Substratum	FSL		2	14	60	2	6
642	151	642151	Columbia, Sandy Substratum	FSL		3	41	60	6	20
642	153	642153	Columbia	FSL		1	0	14	2	6
642	153	642153	Columbia	FSL		2	14	60	2	6
642	155	642155	Columbia	FSL		1	0	14	2	6
642	155	642155	Columbia	FSL		2	14	60	2	6
642	157	642157	Columbia	FSL		1	0	14	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
642	157	642157	Columbia	FSL		2	12	41	2	6
642	157	642157	Columbia	FSL		2	14	60	2	6
642	157	642157	Columbia	FSL		3	41	60	6	20
642	157	642157	Columbia, Sandy Substratum	FSL		1	0	14	2	6
642	157	642157	Columbia, Sandy Substratum	FSL		2	12	41	2	6
642	157	642157	Columbia, Sandy Substratum	FSL		2	14	60	2	6
642	157	642157	Columbia, Sandy Substratum	FSL		3	41	60	6	20
642	159	642159	Columbia	FSL		1	0	14	2	6
642	159	642159	Columbia	FSL		2	12	41	2	6
642	159	642159	Columbia	FSL		2	14	60	2	6
642	159	642159	Columbia	FSL		3	41	60	6	20
642	159	642159	Columbia, Sandy Substratum	FSL		1	0	14	2	6
642	159	642159	Columbia, Sandy Substratum	FSL		2	12	41	2	6
642	159	642159	Columbia, Sandy Substratum	FSL		2	14	60	2	6
642	159	642159	Columbia, Sandy Substratum	FSL		3	41	60	6	20
642	180	642180	Dello	FSL		1	0	10	2	6
642	180	642180	Dello	FSL		2	10	60	6	20
642	200	642200	Veritas	SL	THICK	1	0	21	2	6
642	200	642200	Veritas	SL	THICK	2	21	41	2	6
642	210	642210	Cortina	GR-SL		1	0	6	2	6
642	210	642210	Cortina	GR-SL		2	6	38	2	6
642	210	642210	Cortina	GR-SL		3	38	60	6	20
642	215	642215	Yokut	SL		1	0	11	2	6
642	220	642220	Xerofluvents	VAR		1	0	4	2	6
642	220	642220	Xerofluvents	VAR		2	20	60	2	6
642	220	642220	Xerorthents	GR-SL		1	0	4	2	6
642	220	642220	Xerorthents	GR-SL		2	20	60	2	6
642	245	642245	Bolfar	L		2	12	41	2	6
642	245	642245	Bolfar	L		3	41	60	6	20
642	245	642245	Columbia, Sandy Substratum	FSL		2	12	41	2	6
642	245	642245	Columbia, Sandy Substratum	FSL		3	41	60	6	20
642	246	642246	Bolfar	L		2	12	41	2	6
642	246	642246	Bolfar	L		3	41	60	6	20
642	246	642246	Columbia, Sandy Substratum	FSL		2	12	41	2	6
642	246	642246	Columbia, Sandy Substratum	FSL		3	41	60	6	20
642	270	642270	Elsalado	FSL		1	0	6	2	6
642	273	642273	Elsalado	FSL		1	0	6	2	6
642	340	642340	Carranza	GR-CL		3	41	62	2	6
642	340	642340	Carranza	GR-CL		3	38	60	6	20
642	340	642340	Woo	CL		3	41	62	2	6
642	340	642340	Woo	CL		3	38	60	6	20
642	500	642500	Arburua	L		1	0	5	2	6
642	500	642500	Arburua	L		1	0	5	2	6
642	500	642500	Arburua	L		2	5	22	2	6
642	500	642500	Arburua	L		2	5	10	2	6
642	500	642500	San Timoteo	SL		1	0	5	2	6
642	500	642500	San Timoteo	SL		1	0	5	2	6
642	500	642500	San Timoteo	SL		2	5	22	2	6
642	500	642500	San Timoteo	SL		2	5	10	2	6
642	500	642500	Wisflat	SL		1	0	5	2	6
642	500	642500	Wisflat	SL		1	0	5	2	6
642	500	642500	Wisflat	SL		2	5	22	2	6
642	500	642500	Wisflat	SL		2	5	10	2	6
642	501	642501	Arburua	L		1	0	5	2	6
642	501	642501	Arburua	L		1	0	5	2	6
642	501	642501	Arburua	L		2	5	10	2	6
642	501	642501	Arburua	L		2	5	22	2	6
642	501	642501	San Timoteo	SL		1	0	5	2	6
642	501	642501	San Timoteo	SL		1	0	5	2	6
642	501	642501	San Timoteo	SL		2	5	10	2	6
642	501	642501	San Timoteo	SL		2	5	22	2	6
642	501	642501	Wisflat	SL		1	0	5	2	6
642	501	642501	Wisflat	SL		1	0	5	2	6
642	501	642501	Wisflat	SL		2	5	10	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
642	501	642501	Wisflat	SL		2	5	22	2	6
642	502	642502	Arburua	L		1	0	5	2	6
642	502	642502	Arburua	L		2	5	10	2	6
642	502	642502	Wisflat	SL		1	0	5	2	6
642	502	642502	Wisflat	SL		2	5	10	2	6
642	505	642505	Arburua	L		1	0	5	2	6
642	505	642505	Arburua	L		2	5	10	2	6
642	505	642505	Contra Costa	CL		1	0	5	2	6
642	505	642505	Contra Costa	CL		2	5	10	2	6
642	505	642505	Wisflat	SL		1	0	5	2	6
642	505	642505	Wisflat	SL		2	5	10	2	6
642	506	642506	Arburua	L		1	0	5	2	6
642	506	642506	Arburua	L		2	5	10	2	6
642	506	642506	Contra Costa	CL		1	0	5	2	6
642	506	642506	Contra Costa	CL		2	5	10	2	6
642	506	642506	Wisflat	SL		1	0	5	2	6
642	506	642506	Wisflat	SL		2	5	10	2	6
642	510	642510	Arburua	L		1	0	60	0.06	6
642	510	642510	Arburua	L		1	0	5	2	6
642	510	642510	Arburua	L		2	5	10	2	6
642	510	642510	Rock Outcrop	UWB		1	0	60	0.06	6
642	510	642510	Rock Outcrop	UWB		1	0	5	2	6
642	510	642510	Rock Outcrop	UWB		2	5	10	2	6
642	510	642510	Wisflat	SL		1	0	60	0.06	6
642	510	642510	Wisflat	SL		1	0	5	2	6
642	510	642510	Wisflat	SL		2	5	10	2	6
642	520	642520	Rock Outcrop	UWB		1	0	60	0.06	6
642	520	642520	Rock Outcrop	UWB		1	0	5	2	6
642	520	642520	Rock Outcrop	UWB		2	5	10	2	6
642	520	642520	Wisflat	SL		1	0	60	0.06	6
642	520	642520	Wisflat	SL		1	0	5	2	6
642	520	642520	Wisflat	SL		2	5	10	2	6
642	521	642521	Rock Outcrop	UWB		1	0	60	0.06	6
642	521	642521	Rock Outcrop	UWB		1	0	5	2	6
642	521	642521	Rock Outcrop	UWB		2	5	10	2	6
642	521	642521	Wisflat	SL		1	0	60	0.06	6
642	521	642521	Wisflat	SL		1	0	5	2	6
642	521	642521	Wisflat	SL		2	5	10	2	6
642	540	642540	Oquin	FSL		1	0	24	2	6
642	540	642540	Oquin	FSL		2	24	31	2	6
642	600	642600	Franciscan	GR-SL		1	0	14	2	6
642	600	642600	Franciscan	GR-SL		1	0	7	2	6
642	600	642600	Gonzaga	L		1	0	14	2	6
642	600	642600	Gonzaga	L		1	0	7	2	6
642	600	642600	Honker	SL		1	0	14	2	6
642	600	642600	Honker	SL		1	0	7	2	6
642	601	642601	Franciscan	GR-SL		1	0	14	2	6
642	601	642601	Franciscan	GR-SL		1	0	7	2	6
642	601	642601	Gonzaga	L		1	0	14	2	6
642	601	642601	Gonzaga	L		1	0	7	2	6
642	601	642601	Honker	SL		1	0	14	2	6
642	601	642601	Honker	SL		1	0	7	2	6
642	610	642610	Honker	SL		1	0	7	2	6
642	610	642610	Honker, Eroded	GR-L		1	0	7	2	6
642	610	642610	Vallecitos	GR-L		1	0	7	2	6
642	611	642611	Honker	SL		1	0	7	2	6
642	611	642611	Honker, Eroded	GR-L		1	0	7	2	6
642	611	642611	Vallecitos	GR-L		1	0	7	2	6
642	612	642612	Gonzaga	L		1	0	7	2	6
642	612	642612	Honker	SL		1	0	7	2	6
642	612	642612	Vallecitos	L		1	0	7	2	6
642	613	642613	Gaviota	GR-L		1	0	10	2	6
642	613	642613	Honker	GR-L		1	0	10	2	6
642	614	642614	Gaviota	GR-L		1	0	10	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
642	614	642614	Honker	GR-L		1	0	10	2	6
642	615	642615	Honker	SL		1	0	6	2	6
642	615	642615	Honker	SL		1	0	7	2	6
642	615	642615	Quinto	GR-SL		1	0	6	2	6
642	615	642615	Quinto	GR-SL		1	0	7	2	6
642	620	642620	Franciscan	SL		1	0	10	2	6
642	625	642625	Franciscan	SL		1	0	7	2	6
642	625	642625	Franciscan	SL		1	0	6	2	6
642	625	642625	Franciscan	SL		1	0	10	2	6
642	625	642625	Honker	SL		1	0	7	2	6
642	625	642625	Honker	SL		1	0	6	2	6
642	625	642625	Honker	SL		1	0	10	2	6
642	625	642625	Quinto	GR-SL		1	0	7	2	6
642	625	642625	Quinto	GR-SL		1	0	6	2	6
642	625	642625	Quinto	GR-SL		1	0	10	2	6
642	630	642630	Honker	SL		1	0	60	0.06	6
642	630	642630	Honker	SL		1	0	7	2	6
642	630	642630	Millsholm	L		1	0	60	0.06	6
642	630	642630	Millsholm	L		1	0	7	2	6
642	630	642630	Rock Outcrop	UWB		1	0	60	0.06	6
642	630	642630	Rock Outcrop	UWB		1	0	7	2	6
642	631	642631	Honker	SL		1	0	60	0.06	6
642	631	642631	Honker	SL		1	0	7	2	6
642	631	642631	Millsholm	L		1	0	60	0.06	6
642	631	642631	Millsholm	L		1	0	7	2	6
642	631	642631	Rock Outcrop	UWB		1	0	60	0.06	6
642	631	642631	Rock Outcrop	UWB		1	0	7	2	6
642	640	642640	Millsholm	L		1	0	60	0.06	6
642	640	642640	Millsholm	L		1	0	6	2	6
642	640	642640	Quinto	GR-SL		1	0	60	0.06	6
642	640	642640	Quinto	GR-SL		1	0	6	2	6
642	640	642640	Rock Outcrop	UWB		1	0	60	0.06	6
642	640	642640	Rock Outcrop	UWB		1	0	6	2	6
642	650	642650	Quinto	GR-SL		1	0	60	0.06	6
642	650	642650	Quinto	GR-SL		1	0	6	2	6
642	650	642650	Rock Outcrop	UWB		1	0	60	0.06	6
642	650	642650	Rock Outcrop	UWB		1	0	6	2	6
642	660	642660	Gaviota	L		1	0	10	2	6
642	661	642661	Gaviota	GR-L		1	0	10	2	6
642	682	642682	Henneke	GR-L		1	0	60	0.06	6
642	682	642682	Henneke	GR-L		2	4	17	0.2	6
642	682	642682	Hentine	GR-L		1	0	60	0.06	6
642	682	642682	Hentine	GR-L		2	4	17	0.2	6
642	682	642682	Rock Outcrop	UWB		1	0	60	0.06	6
642	682	642682	Rock Outcrop	UWB		2	4	17	0.2	6
642	683	642683	Henneke	GR-L		1	0	60	0.06	6
642	683	642683	Henneke	GR-L		2	4	17	0.2	6
642	683	642683	Hentine	GR-L		1	0	60	0.06	6
642	683	642683	Hentine	GR-L		2	4	17	0.2	6
642	683	642683	Rock Outcrop	UWB		1	0	60	0.06	6
642	683	642683	Rock Outcrop	UWB		2	4	17	0.2	6
642	684	642684	Henneke	GR-L		2	4	14	0.2	6
642	684	642684	Hentine	CBV-L		2	4	14	0.2	6
642	687	642687	Henneke	GR-L		1	0	60	0.06	6
642	687	642687	Henneke	GR-L		2	4	14	0.2	6
642	687	642687	Hentine	CBV-L		1	0	60	0.06	6
642	687	642687	Hentine	CBV-L		2	4	14	0.2	6
642	687	642687	Rock Outcrop	UWB		1	0	60	0.06	6
642	687	642687	Rock Outcrop	UWB		2	4	14	0.2	6
642	695	642695	Orognen	SL		1	0	5	2	6
642	700	642700	Franciscan	SL		1	0	10	2	6
642	700	642700	Hytop	L		1	0	10	2	6
642	700	642700	Vallecitos	GR-L		1	0	10	2	6
647	105	647105	Altamont Variant	C		1	0	5	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
647	105	647105	Hytop	SL		1	0	5	2	6
647	107	647107	Anela	GRV-SL		1	0	12	2	6
647	108	647108	Anela	GRV-SL		1	0	23	2	6
647	116	647116	Arbuckle Variant	SL		1	0	19	2	6
647	116	647116	Arbuckle Variant	SL		3	37	60	6	20
647	137	647137	Bisgani	LS		1	0	20	6	20
647	137	647137	Bisgani	LS		2	20	60	6	20
647	138	647138	Bisgani	CL		2	9	15	2	6
647	138	647138	Bisgani	CL		3	15	60	6	20
647	148	647148	Carranza	GR-CL		3	38	62	2	6
647	148	647148	Carranza	GR-CL		3	38	60	6	20
647	148	647148	Woo	CL		3	38	62	2	6
647	148	647148	Woo	CL		3	38	60	6	20
647	166	647166	Damluis Variant	CL	THICK	4	60	73	20	20
647	177	647177	Edminster Variant	S		1	0	16	6	20
647	177	647177	Edminster Variant	S		2	16	25	6	20
647	178	647178	Elnido	SL		1	0	18	2	6
647	178	647178	Elnido	SL		2	18	60	2	6
647	179	647179	Elnido	SL		1	0	8	2	6
647	179	647179	Elnido	SL		2	8	32	2	6
647	179	647179	Elnido	SL		3	32	60	2	6
647	180	647180	Elnido	CL		2	17	44	2	6
647	180	647180	Elnido	CL		3	44	60	2	6
647	182	647182	Fifield	SL		1	0	5	2	6
647	183	647183	Fifield	SL		1	0	5	2	6
647	183	647183	Gonzaga	L		1	0	5	2	6
647	184	647184	Fifield	SL		1	0	7	2	6
647	184	647184	Fifield	SL		1	0	5	2	6
647	184	647184	Gonzaga	L		1	0	7	2	6
647	184	647184	Gonzaga	L		1	0	5	2	6
647	184	647184	Honker	SL		1	0	7	2	6
647	184	647184	Honker	SL		1	0	5	2	6
647	185	647185	Fifield	SL		1	0	5	2	6
647	185	647185	Millsholm	L		1	0	5	2	6
647	187	647187	Franciscan	SL		1	0	10	2	6
647	188	647188	Franciscan	SL		1	0	7	2	6
647	188	647188	Franciscan	SL		1	0	6	2	6
647	188	647188	Franciscan	SL		1	0	10	2	6
647	188	647188	Honker	SL		1	0	7	2	6
647	188	647188	Honker	SL		1	0	6	2	6
647	188	647188	Honker	SL		1	0	10	2	6
647	188	647188	Quinto	GR-SL		1	0	7	2	6
647	188	647188	Quinto	GR-SL		1	0	6	2	6
647	188	647188	Quinto	GR-SL		1	0	10	2	6
647	189	647189	Franciscan	SL		1	0	10	2	6
647	189	647189	Rock Outcrop	UWB		1	0	10	2	6
647	190	647190	Gonzaga	L		1	0	7	2	6
647	190	647190	Honker	SL		1	0	7	2	6
647	191	647191	Gonzaga	L		1	0	7	2	6
647	191	647191	Honker	SL		1	0	7	2	6
647	192	647192	Henmel	CL		4	44	66	2	6
647	194	647194	Honker	SL		1	0	7	2	6
647	195	647195	Honker	SL		1	0	7	2	6
647	196	647196	Honker	SL		1	0	7	2	6
647	196	647196	Millsholm	L		1	0	7	2	6
647	196	647196	Rock Outcrop	UWB		1	0	7	2	6
647	197	647197	Honker	SL		1	0	6	2	6
647	197	647197	Honker	SL		1	0	7	2	6
647	197	647197	Quinto	GR-SL		1	0	6	2	6
647	197	647197	Quinto	GR-SL		1	0	7	2	6
647	205	647205	Hytop	SL		1	0	5	2	6
647	205	647205	Laveaga	SCL		1	0	5	2	6
647	210	647210	Los Banos Variant	GR-SCL		4	37	65	2	6
647	216	647216	Fifield	SL		1	0	5	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
647	216	647216	Millsholm	L		1	0	5	2	6
647	217	647217	Honker	SL		1	0	7	2	6
647	217	647217	Millsholm	L		1	0	7	2	6
647	217	647217	Rock Outcrop	UWB		1	0	7	2	6
647	224	647224	Oquin	FSL		1	0	20	2	6
647	224	647224	Oquin	FSL		2	20	39	2	6
647	225	647225	Oquin	FSL		1	0	24	2	6
647	225	647225	Oquin	FSL		2	24	31	2	6
647	226	647226	Orognen	SL		1	0	16	2	6
647	227	647227	Orognen	SL		1	0	3	2	6
647	227	647227	Quiensabe	SCL		1	0	3	2	6
647	228	647228	Palazzo	SL		1	0	14	2	6
647	228	647228	Palazzo	SL		2	14	26	2	6
647	241	647241	Illito	STX-L		1	0	6	2	6
647	241	647241	Quinto	GR-SL		1	0	6	2	6
647	241	647241	Rock Outcrop	UWB		1	0	6	2	6
647	242	647242	Millsholm	L		1	0	6	2	6
647	242	647242	Quinto	GR-SL		1	0	6	2	6
647	242	647242	Rock Outcrop	UWB		1	0	6	2	6
647	243	647243	Quinto	GR-SL		1	0	6	2	6
647	243	647243	Rock Outcrop	UWB		1	0	6	2	6
647	245	647245	Rock Outcrop	UWB		1	0	3	2	6
647	245	647245	Rock Outcrop	UWB		2	3	11	2	6
647	245	647245	Wisflat	SL		1	0	3	2	6
647	245	647245	Wisflat	SL		2	3	11	2	6
647	246	647246	San Emigdio	FSL		1	0	17	2	6
647	246	647246	San Emigdio	FSL		2	17	60	2	6
647	247	647247	San Emigdio	L		1	0	14	2	6
647	247	647247	San Emigdio	L		2	14	60	2	6
647	249	647249	San Timoteo	SL		1	0	16	2	6
647	249	647249	San Timoteo	SL		2	16	32	2	6
647	250	647250	San Timoteo	SL		1	0	6	2	6
647	250	647250	San Timoteo	SL		1	0	16	2	6
647	250	647250	San Timoteo	SL		2	6	14	2	6
647	250	647250	San Timoteo	SL		2	16	32	2	6
647	250	647250	Wisflat	SL		1	0	6	2	6
647	250	647250	Wisflat	SL		1	0	16	2	6
647	250	647250	Wisflat	SL		2	6	14	2	6
647	250	647250	Wisflat	SL		2	16	32	2	6
647	251	647251	San Timoteo	SL		1	0	6	2	6
647	251	647251	San Timoteo	SL		1	0	16	2	6
647	251	647251	San Timoteo	SL		2	6	14	2	6
647	251	647251	San Timoteo	SL		2	16	32	2	6
647	251	647251	Wisflat	SL		1	0	6	2	6
647	251	647251	Wisflat	SL		1	0	16	2	6
647	251	647251	Wisflat	SL		2	6	14	2	6
647	251	647251	Wisflat	SL		2	16	32	2	6
647	262	647262	Turmound	SL		1	0	13	2	6
647	268	647268	Arburua	L		1	0	3	2	6
647	268	647268	Arburua	L		2	3	11	2	6
647	268	647268	Wisflat	SL		1	0	3	2	6
647	268	647268	Wisflat	SL		2	3	11	2	6
647	269	647269	Arburua	L		1	0	3	2	6
647	269	647269	Arburua	L		2	3	11	2	6
647	269	647269	Wisflat	SL		1	0	3	2	6
647	269	647269	Wisflat	SL		2	3	11	2	6
647	270	647270	Arburua	L		1	0	6	2	6
647	270	647270	Arburua	L		2	6	14	2	6
647	270	647270	Rock Outcrop	UWB		1	0	6	2	6
647	270	647270	Rock Outcrop	UWB		2	6	14	2	6
647	270	647270	Wisflat	SL		1	0	6	2	6
647	270	647270	Wisflat	SL		2	6	14	2	6
647	271	647271	Arburua	L		1	0	6	2	6
647	271	647271	Arburua	L		2	6	14	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
647	271	647271	Rock Outcrop	UWB		1	0	6	2	6
647	271	647271	Rock Outcrop	UWB		2	6	14	2	6
647	271	647271	Wisflat	SL		1	0	6	2	6
647	271	647271	Wisflat	SL		2	6	14	2	6
647	272	647272	Arburua	L		1	0	6	2	6
647	272	647272	Arburua	L		2	6	14	2	6
647	272	647272	Rock Outcrop	UWB		1	0	6	2	6
647	272	647272	Rock Outcrop	UWB		2	6	14	2	6
647	272	647272	Wisflat	SL		1	0	6	2	6
647	272	647272	Wisflat	SL		2	6	14	2	6
647	273	647273	Oneil	SIL		1	0	6	2	6
647	273	647273	Oneil	SIL		2	6	14	2	6
647	273	647273	Rock Outcrop	UWB		1	0	6	2	6
647	273	647273	Rock Outcrop	UWB		2	6	14	2	6
647	273	647273	Wisflat	SL		1	0	6	2	6
647	273	647273	Wisflat	SL		2	6	14	2	6
647	275	647275	Woo	L		3	38	62	2	6
647	276	647276	Woo	SCL		3	42	60	2	6
647	281	647281	Anela	GR-L		3	42	60	2	6
647	281	647281	Urban Land	VAR		3	42	60	2	6
647	281	647281	Woo	SCL		3	42	60	2	6
647	284	647284	Xerofluvents	GRV-L		1	0	60	2	6
647	285	647285	Yokut	SL		1	0	6	2	6
653	115	653115	Bolfar	L		3	29	55	0.6	6
653	115	653115	Bolfar	L		5	87	94	6	20
653	311	653311	Bisgani	SL		1	0	10	6	20
653	311	653311	Bisgani	SL		2	10	13	6	20
653	311	653311	Bisgani	SL		3	13	60	6	20
653	320	653320	Elnido	SL		1	0	14	2	6
653	320	653320	Elnido	SL		2	14	32	2	6
653	320	653320	Elnido	SL		5	53	60	6	20
653	325	653325	Palazzo	SL		1	0	10	2	6
653	325	653325	Palazzo	SL		2	10	31	2	6
653	404	653404	Guijarral	SL		1	0	6	2	6
653	404	653404	Guijarral	SL		1	0	6	2	6
653	404	653404	Guijarral	SL		2	6	12	2	6
653	404	653404	Guijarral	SL		3	12	36	2	6
653	404	653404	Guijarral	SL		4	36	60	6	20
653	404	653404	Guijarral	SL		4	31	60	2	6
653	404	653404	Milham	SL		1	0	6	2	6
653	404	653404	Milham	SL		1	0	6	2	6
653	404	653404	Milham	SL		2	6	12	2	6
653	404	653404	Milham	SL		3	12	36	2	6
653	404	653404	Milham	SL		4	36	60	6	20
653	404	653404	Milham	SL		4	31	60	2	6
653	405	653405	Guijarral	SL		1	0	6	2	6
653	405	653405	Guijarral	SL		2	6	12	2	6
653	405	653405	Guijarral	SL		3	12	36	2	6
653	405	653405	Guijarral	SL		4	36	60	6	20
653	405	653405	Polvadero	SL		1	0	6	2	6
653	405	653405	Polvadero	SL		2	6	12	2	6
653	405	653405	Polvadero	SL		3	12	36	2	6
653	405	653405	Polvadero	SL		4	36	60	6	20
653	406	653406	Guijarral	SL		1	0	6	2	6
653	406	653406	Guijarral	SL		2	6	12	2	6
653	406	653406	Guijarral	SL		3	12	36	2	6
653	406	653406	Guijarral	SL		4	36	60	6	20
653	425	653425	Kimberlina	SL		1	0	14	2	6
653	425	653425	Kimberlina	SL		2	14	72	2	6
653	426	653426	Kimberlina	SL		1	0	14	2	6
653	426	653426	Kimberlina	SL		2	14	72	2	6
653	436	653436	Panoche	L		4	57	72	2	6
653	437	653437	Panoche	SL		4	57	72	2	6
653	438	653438	Panoche	L		4	57	72	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
653	442	653442	Panoche	CL		4	57	72	2	6
653	447	653447	Excelsior	SL		1	0	7	2	6
653	447	653447	Excelsior	SL		2	7	23	2	6
653	447	653447	Excelsior	SL		3	23	53	2	6
653	447	653447	Excelsior	SL		4	53	72	0.6	6
653	448	653448	Excelsior	LS		1	0	8	2	6
653	448	653448	Excelsior	LS		3	38	60	2	6
653	451	653451	Milham	SL		1	0	6	2	6
653	451	653451	Milham	SL		4	31	60	2	6
653	452	653452	Milham	SL		1	0	6	2	6
653	452	653452	Milham	SL		4	31	60	2	6
653	478	653478	Cerini	SL		1	0	25	2	6
653	478	653478	Cerini	SL		3	35	47	2	6
653	478	653478	Cerini	SL		4	47	62	0.2	6
653	479	653479	Cerini	CL		3	35	47	2	6
653	479	653479	Cerini	CL		4	47	62	0.2	6
653	481	653481	Cerini	CL		3	35	47	2	6
653	481	653481	Cerini	CL		4	47	62	0.2	6
653	488	653488	Wasco	SL		1	0	21	2	6
653	488	653488	Wasco	SL		2	21	50	2	6
653	488	653488	Wasco	SL		3	50	72	2	6
653	489	653489	Wasco	SL		1	0	21	2	6
653	489	653489	Wasco	SL		2	21	50	2	6
653	489	653489	Wasco	SL		3	50	72	2	6
653	490	653490	Cerini	SL		1	0	25	2	6
653	490	653490	Cerini	SL		3	35	47	2	6
653	490	653490	Cerini	SL		4	47	62	0.2	6
653	491	653491	Cerini	CL		3	35	47	2	6
653	491	653491	Cerini	CL		4	47	62	0.2	6
653	587	653587	Mugatu	FSL		1	0	2	2	6
653	587	653587	Mugatu	FSL		2	2	24	2	6
653	587	653587	Mugatu	FSL		4	41	60	0.6	20
653	588	653588	Mugatu	FSL		1	0	2	2	6
653	588	653588	Mugatu	FSL		2	2	24	2	6
653	588	653588	Mugatu	FSL		4	41	60	0.6	20
653	590	653590	Cerini	SL		1	0	25	2	6
653	590	653590	Cerini	SL		3	35	47	2	6
653	590	653590	Cerini	SL		4	47	62	0.2	6
653	590	653590	Fluvaquents, Channeled			1	0	25	2	6
653	590	653590	Fluvaquents, Channeled			3	35	47	2	6
653	590	653590	Fluvaquents, Channeled			4	47	62	0.2	6
653	590	653590	Torrifluvents, Skeletal			1	0	25	2	6
653	590	653590	Torrifluvents, Skeletal			3	35	47	2	6
653	590	653590	Torrifluvents, Skeletal			4	47	62	0.2	6
653	620	653620	Delgado	SL		1	0	5	2	6
653	620	653620	Delgado	SL		2	5	15	2	6
653	621	653621	Delgado	SL		1	0	6	2	6
653	621	653621	Delgado	SL		2	6	10	2	6
653	640	653640	Delgado	SL		1	0	5	2	6
653	640	653640	Delgado	SL		2	5	15	2	6
653	640	653640	Kettleman	CL		1	0	5	2	6
653	640	653640	Kettleman	CL		2	5	15	2	6
653	640	653640	Mercey	L		1	0	5	2	6
653	640	653640	Mercey	L		2	5	15	2	6
653	641	653641	Delgado	SL		1	0	8	2	6
653	641	653641	Delgado	SL		2	8	18	2	6
653	641	653641	Kettleman	CL		1	0	8	2	6
653	641	653641	Kettleman	CL		2	8	18	2	6
653	641	653641	Mercey	L		1	0	8	2	6
653	641	653641	Mercey	L		2	8	18	2	6
653	642	653642	Delgado	SL		1	0	6	2	6
653	642	653642	Delgado	SL		2	6	10	2	6
653	642	653642	Kettleman	CL		1	0	6	2	6
653	642	653642	Kettleman	CL		2	6	10	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
653	642	653642	Mercey	L		1	0	6	2	6
653	642	653642	Mercey	L		2	6	10	2	6
653	643	653643	Delgado	SL		1	0	6	2	6
653	643	653643	Delgado	SL		2	6	13	2	6
653	643	653643	Kettleman	CL		1	0	6	2	6
653	643	653643	Kettleman	CL		2	6	13	2	6
653	643	653643	Mercey	L		1	0	6	2	6
653	643	653643	Mercey	L		2	6	13	2	6
653	644	653644	Delgado	SL		1	0	6	2	6
653	644	653644	Delgado	SL		2	6	10	2	6
653	644	653644	Kettleman	CL		1	0	6	2	6
653	644	653644	Kettleman	CL		2	6	10	2	6
653	644	653644	Mercey	L		1	0	6	2	6
653	644	653644	Mercey	L		2	6	10	2	6
653	645	653645	Delgado	SL		1	0	6	2	6
653	645	653645	Delgado	SL		2	6	13	2	6
653	645	653645	Kettleman	CL		1	0	6	2	6
653	645	653645	Kettleman	CL		2	6	13	2	6
653	645	653645	Mercey	L		1	0	6	2	6
653	645	653645	Mercey	L		2	6	13	2	6
653	710	653710	Badland			1	0	7	6	20
653	710	653710	Badland			2	7	25	6	20
653	710	653710	Exclose	CL		1	0	7	6	20
653	710	653710	Exclose	CL		2	7	25	6	20
653	710	653710	Monoridge	LS		1	0	7	6	20
653	710	653710	Monoridge	LS		2	7	25	6	20
653	735	653735	Getrail	C		1	0	22	2	6
653	735	653735	Getrail	C		2	22	29	2	6
653	735	653735	Rock Outcrop			1	0	22	2	6
653	735	653735	Rock Outcrop			2	22	29	2	6
653	735	653735	Vernado	SL		1	0	22	2	6
653	735	653735	Vernado	SL		2	22	29	2	6
653	750	653750	Monoridge	LS		1	0	7	6	20
653	750	653750	Monoridge	LS		1	0	15	2	6
653	750	653750	Monoridge	LS		2	7	25	6	20
653	750	653750	Monoridge	LS		2	15	31	2	6
653	750	653750	Monoridge	LS		3	31	60	2	6
653	750	653750	Monvero	LS		1	0	7	6	20
653	750	653750	Monvero	LS		1	0	15	2	6
653	750	653750	Monvero	LS		2	7	25	6	20
653	750	653750	Monvero	LS		2	15	31	2	6
653	750	653750	Monvero	LS		3	31	60	2	6
653	765	653765	Atravesada	SL		1	0	6	2	6
653	765	653765	Atravesada	SL		2	6	12	2	6
653	765	653765	Pits, Asbestos			1	0	6	2	6
653	765	653765	Pits, Asbestos			2	6	12	2	6
653	767	653767	Atravesada	SL		1	0	6	2	6
653	767	653767	Atravesada	SL		2	6	12	2	6
653	767	653767	Pits, Asbestos			1	0	6	2	6
653	767	653767	Pits, Asbestos			2	6	12	2	6
653	774	653774	Franciscan	GR-SL		1	0	5	2	6
653	774	653774	Hentine	GRV-SL		1	0	5	2	6
653	774	653774	Rock Outcrop			1	0	5	2	6
653	941	653941	Bisgani	LS		1	0	14	2	6
653	941	653941	Bisgani	LS		1	0	13	6	20
653	941	653941	Bisgani	LS		2	14	32	2	6
653	941	653941	Bisgani	LS		2	13	60	6	20
653	941	653941	Bisgani	LS		3	32	40	2	6
653	941	653941	Bisgani	LS		4	40	53	2	6
653	941	653941	Bisgani	LS		5	53	60	6	20
653	941	653941	Elnido	SL		1	0	14	2	6
653	941	653941	Elnido	SL		1	0	13	6	20
653	941	653941	Elnido	SL		2	14	32	2	6
653	941	653941	Elnido	SL		2	13	60	6	20

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
653	941	653941	Elnido	SL		3	32	40	2	6
653	941	653941	Elnido	SL		4	40	53	2	6
653	941	653941	Elnido	SL		5	53	60	6	20
659	101	659101	Akers	FSL		1	0	16	2	6
659	101	659101	Akers	FSL		1	0	16	2	6
659	102	659102	Armona	SL		1	0	11	2	6
659	103	659103	Atesh	SL	THICK	1	0	14	2	6
659	103	659103	Atesh	SL	THICK	3	36	43	2	6
659	103	659103	Atesh	SL	THICK	5	55	79	2	6
659	103	659103	Atesh	SL	THICK	5	49	92	2	6
659	103	659103	Atesh	SL	THICK	6	92	99	20	20
659	103	659103	Jerryslu	L	THICK	1	0	14	2	6
659	103	659103	Jerryslu	L	THICK	3	36	43	2	6
659	103	659103	Jerryslu	L	THICK	5	55	79	2	6
659	103	659103	Jerryslu	L	THICK	5	49	92	2	6
659	103	659103	Jerryslu	L	THICK	6	92	99	20	20
659	105	659105	Calgro	SL	THICK	1	0	7	2	6
659	105	659105	Calgro	SL	THICK	1	0	7	2	6
659	105	659105	Calgro	SL	THICK	4	33	52	6	20
659	105	659105	Calgro	SL	THICK	4	33	53	6	20
659	105	659105	Calgro	SL	THICK	4	33	52	6	20
659	105	659105	Calgro	SL	THICK	4	33	53	6	20
659	108	659108	Colpien	L		4	60	65	0.2	6
659	109	659109	Crosscreek	L	THICK	4	46	65	0.6	6
659	109	659109	Kai	L	THICK	4	46	65	0.6	6
659	110	659110	Delhi	LS		1	0	11	6	20
659	110	659110	Delhi	LS		2	11	48	6	20
659	110	659110	Delhi	LS		3	48	72	6	20
659	114	659114	Exeter	L	THICK	5	46	72	0.6	20
659	115	659115	Exeter	L	THICK	5	46	72	0.6	20
659	117	659117	Gambogy	L		4	47	72	2	6
659	118	659118	Biggriz	L		4	47	72	2	6
659	118	659118	Gambogy	L		4	47	72	2	6
659	119	659119	Garces	L		1	0	6	2	6
659	119	659119	Garces	L		4	47	62	0.6	6
659	119	659119	Gareck	SL		1	0	6	2	6
659	119	659119	Gareck	SL		4	47	62	0.6	6
659	121	659121	Gepford	SIC		3	46	60	2	20
659	122	659122	Grangeville	SL		1	0	16	2	6
659	122	659122	Grangeville	SL		2	16	27	2	6
659	122	659122	Grangeville	SL		3	27	67	2	6
659	123	659123	Grangeville	FSL		1	0	5	2	6
659	123	659123	Grangeville	FSL		2	5	80	0.6	6
659	124	659124	Hanford	SL		1	0	6	2	6
659	124	659124	Hanford	SL		2	6	30	2	6
659	124	659124	Hanford	SL		3	30	60	6	20
659	125	659125	Houser	FSL		1	0	7	2	6
659	127	659127	Kimberlina	FSL		1	0	4	2	6
659	130	659130	Nord	FSL		3	38	50	2	20
659	132	659132	Lewis	SICL	THIN	5	44	62	0.2	6
659	132	659132	Quonal	SIC	THICK	5	44	62	0.2	6
659	136	659136	Seville	C	THICK	4	44	60	2	6
659	137	659137	Tagus	L		1	0	17	2	6
659	137	659137	Tagus	L		3	40	63	2	6
659	138	659138	Tujunga	LS		1	0	14	6	20
659	138	659138	Tujunga	LS		2	14	70	6	20
659	139	659139	Wasco	SL		1	0	9	2	6
659	139	659139	Wasco	SL		2	9	60	2	6
659	143	659143	Yettem	SL		1	0	13	2	6
659	143	659143	Yettem	SL		2	13	63	2	6
660	100	660100	Auberry	SL		1	0	16	2	6
660	100	660100	Auberry	SL		4	43	56	2	6
660	101	660101	Auberry	SL		1	0	16	2	6
660	101	660101	Auberry	SL		4	43	56	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
660	102	660102	Auberry	SL		1	0	16	2	6
660	102	660102	Auberry	SL		4	43	56	2	6
660	103	660103	Auberry	SL		1	0	16	2	6
660	103	660103	Auberry	SL		4	43	56	2	6
660	104	660104	Auberry	SL		1	0	16	2	6
660	104	660104	Auberry	SL		4	43	56	2	6
660	104	660104	Rock Outcrop			1	0	16	2	6
660	104	660104	Rock Outcrop			4	43	56	2	6
660	105	660105	Blasingame	SL		1	0	7	2	6
660	106	660106	Blasingame	SL		1	0	7	2	6
660	107	660107	Blasingame	SL		1	0	7	2	6
660	108	660108	Blasingame	SL		1	0	7	2	6
660	108	660108	Rock Outcrop			1	0	7	2	6
660	116	660116	Cieneba	COSL		1	0	16	2	6
660	116	660116	Rock Outcrop			1	0	16	2	6
660	121	660121	Crouch	COSL		1	0	22	2	6
660	121	660121	Crouch	COSL		2	22	43	2	6
660	121	660121	Crouch	COSL		3	43	70	2	6
660	122	660122	Crouch	COSL		1	0	22	2	6
660	122	660122	Crouch	COSL		2	22	43	2	6
660	122	660122	Crouch	COSL		3	43	70	2	6
660	123	660123	Crouch	COSL		1	0	22	2	6
660	123	660123	Crouch	COSL		2	22	43	2	6
660	123	660123	Crouch	COSL		3	43	70	2	6
660	123	660123	Rock Outcrop			1	0	22	2	6
660	123	660123	Rock Outcrop			2	22	43	2	6
660	123	660123	Rock Outcrop			3	43	70	2	6
660	124	660124	Exeter	L	THICK	4	43	47	2	6
660	124	660124	Exeter	L	THICK	5	47	60	2	6
660	125	660125	Exeter	L	THICK	4	43	47	2	6
660	125	660125	Exeter	L	THICK	5	47	60	2	6
660	126	660126	Fallbrook	SL		1	0	8	2	6
660	127	660127	Fallbrook	SL		1	0	8	2	6
660	128	660128	Fallbrook	SL		1	0	8	2	6
660	129	660129	Fallbrook	SL		1	0	8	2	6
660	129	660129	Rock Outcrop			1	0	8	2	6
660	130	660130	Friant	FSL		1	0	7	2	6
660	130	660130	Friant	FSL		2	7	18	2	6
660	130	660130	Rock Outcrop			1	0	7	2	6
660	130	660130	Rock Outcrop			2	7	18	2	6
660	131	660131	Grangeville	SIL		2	14	64	2	6
660	132	660132	Greenfield	SL		1	0	18	2	6
660	132	660132	Greenfield	SL		2	18	70	2	6
660	133	660133	Greenfield	SL		1	0	18	2	6
660	133	660133	Greenfield	SL		2	18	70	2	6
660	134	660134	Havala	L		3	45	64	2	6
660	135	660135	Havala	L		3	45	64	2	6
660	139	660139	Honcut	SL		1	0	11	2	6
660	139	660139	Honcut	SL		2	11	70	2	6
660	140	660140	Honcut	SL		1	0	11	2	6
660	140	660140	Honcut	SL		2	11	70	2	6
660	153	660153	San Emigdio	L		1	0	29	2	6
660	153	660153	San Emigdio	L		2	29	66	2	6
660	156	660156	Sesame	SL		1	0	9	2	6
660	157	660157	Sesame	SL		1	0	9	2	6
660	158	660158	Sesame	SL		1	0	9	2	6
660	160	660160	Rock Outcrop			1	0	18	2	6
660	160	660160	Sheephead	COSL		1	0	18	2	6
660	164	660164	Tujunga	S		1	0	16	6	20
660	164	660164	Tujunga	S		2	16	60	6	20
660	165	660165	Vista	COSL		1	0	27	2	6
660	166	660166	Vista	COSL		1	0	27	2	6
660	167	660167	Vista	COSL		1	0	27	2	6
660	168	660168	Rock Outcrop			1	0	27	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
660	168	660168	Vista	COSL		1	0	27	2	6
660	169	660169	Walong	SL		1	0	33	2	6
660	170	660170	Walong	SL		1	0	33	2	6
660	171	660171	Rock Outcrop			1	0	33	2	6
660	171	660171	Walong	SL		1	0	33	2	6
660	172	660172	Wyman	L		5	69	75	6	20
660	173	660173	Wyman	L		5	69	75	6	20
660	174	660174	Wyman	GR-L		3	40	60	6	20
660	176	660176	Yettem	SL		1	0	26	2	6
660	176	660176	Yettem	SL		2	26	70	2	6
660	177	660177	Yettem	SL		1	0	26	2	6
660	177	660177	Yettem	SL		2	26	70	2	6
664	102	664102	Arnold	LS		1	0	33	6	20
664	102	664102	Arnold	LS		2	33	59	6	20
664	103	664103	Arnold	LS		1	0	33	6	20
664	103	664103	Arnold	LS		2	33	59	6	20
664	104	664104	Baywood	FS		1	0	36	6	20
664	104	664104	Baywood	FS		2	36	90	6	20
664	105	664105	Baywood	FS		1	0	36	6	20
664	105	664105	Baywood	FS		2	36	90	6	20
664	106	664106	Baywood	FS		1	0	36	6	20
664	106	664106	Baywood	FS		2	36	90	6	20
664	107	664107	Beaches	S		1	0	6	6	20
664	107	664107	Beaches	S		2	6	60	6	20
664	108	664108	Briones	LS		1	0	26	6	20
664	108	664108	Briones	LS		2	26	32	6	20
664	109	664109	Briones	LS		1	0	19	6	20
664	109	664109	Briones	LS		1	0	26	6	20
664	109	664109	Briones	LS		2	26	32	6	20
664	109	664109	Pismo	LS		1	0	19	6	20
664	109	664109	Pismo	LS		1	0	26	6	20
664	109	664109	Pismo	LS		2	26	32	6	20
664	110	664110	Briones	LS		1	0	26	6	20
664	110	664110	Briones	LS		2	26	32	6	20
664	110	664110	Tierra	SL		1	0	26	6	20
664	110	664110	Tierra	SL		2	26	32	6	20
664	111	664111	Camarillo	SL		1	0	12	2	6
664	113	664113	Capistrano	SL		1	0	37	2	6
664	113	664113	Capistrano	SL		2	37	60	2	6
664	114	664114	Capistrano	SL		1	0	37	2	6
664	114	664114	Capistrano	SL		2	37	60	2	6
664	118	664118	Cieneba	L		1	0	11	2	6
664	118	664118	Kinkel Variant	L		1	0	11	2	6
664	119	664119	Cieneba	L		1	0	11	2	6
664	119	664119	Millsap	L		1	0	11	2	6
664	124	664124	Corralitos	S		1	0	24	6	20
664	124	664124	Corralitos	S		2	24	60	6	20
664	125	664125	Corralitos	S		1	0	24	6	20
664	125	664125	Corralitos	S		2	24	60	6	20
664	126	664126	Corralitos Variant	LS		1	0	13	6	20
664	126	664126	Corralitos Variant	LS		2	13	60	6	20
664	134	664134	Dune Land	FS		1	0	6	6	20
664	134	664134	Dune Land	FS		2	6	60	6	20
664	135	664135	Elder	SL		1	0	37	2	6
664	135	664135	Elder	SL		2	37	60	2	6
664	136	664136	Elder	SL		1	0	37	2	6
664	136	664136	Elder	SL		2	37	60	2	6
664	137	664137	Elder	SL		1	0	37	2	6
664	137	664137	Elder	SL		2	37	60	2	6
664	138	664138	Elder	SL		1	0	12	2	6
664	138	664138	Elder	SL		2	12	60	2	6
664	138	664138	Elder	SL		3			2	6
664	139	664139	Elder	SL		1	0	12	2	6
664	139	664139	Elder	SL		2	12	60	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
664	139	664139	Elder	SL		3			2	6
664	140	664140	Garey	SL		3	64	75	2	6
664	141	664141	Gaviota	SL		1	0	13	2	6
664	142	664142	Gaviota	FSL		1	0	13	2	6
664	153	664153	Lompico	L		1	0	17	2	6
664	153	664153	McMullin	GR-L		1	0	17	2	6
664	154	664154	Lompico	L		1	0	17	2	6
664	154	664154	McMullin	GR-L		1	0	17	2	6
664	173	664173	Mocho	FSL		1	0	18	2	6
664	173	664173	Mocho	FSL		3	45	60	6	20
664	175	664175	Mocho	SICL		2	18	38	2	6
664	175	664175	Mocho	SICL		4	45	60	6	20
664	176	664176	Mocho Variant	FSL		1	0	15	2	6
664	176	664176	Mocho Variant	FSL		2	15	33	2	6
664	176	664176	Mocho Variant	FSL		3	33	64	6	20
664	184	664184	Oceano	S		1	0	29	6	20
664	184	664184	Oceano	S		2	29	60	6	20
664	185	664185	Oceano	S		1	0	29	6	20
664	185	664185	Oceano	S		2	29	60	6	20
664	189	664189	Pismo	LS		1	0	19	6	20
664	190	664190	Pismo	LS		1	0	19	6	20
664	190	664190	Rock Outcrop	UWB		1	0	19	6	20
664	191	664191	Pismo	LS		1	0	19	6	20
664	191	664191	Tierra	SL		1	0	19	6	20
664	192	664192	Fluvents	LS		1	0	12	6	20
664	192	664192	Fluvents	LS		1	0	12	6	20
664	192	664192	Fluvents	LS		2	12	48	6	20
664	192	664192	Fluvents	LS		2	12	48	6	20
664	192	664192	Fluvents	LS		3	48	60	6	20
664	192	664192	Fluvents	LS		3	48	60	6	20
664	192	664192	Psamments	S		1	0	12	6	20
664	192	664192	Psamments	S		1	0	12	6	20
664	192	664192	Psamments	S		2	12	48	6	20
664	192	664192	Psamments	S		2	12	48	6	20
664	192	664192	Psamments	S		3	48	60	6	20
664	192	664192	Psamments	S		3	48	60	6	20
664	193	664193	Fluvents	LS		1	0	18	6	20
664	193	664193	Fluvents	LS		1	0	18	6	20
664	193	664193	Fluvents	LS		2	18	50	6	20
664	193	664193	Fluvents	LS		2	18	50	6	20
664	193	664193	Psamments	LS		1	0	18	6	20
664	193	664193	Psamments	LS		1	0	18	6	20
664	193	664193	Psamments	LS		2	18	50	6	20
664	193	664193	Psamments	LS		2	18	50	6	20
664	194	664194	Riverwash	S		1	0	6	6	20
664	194	664194	Riverwash	S		2	6	60	6	20
664	209	664209	Still	GR-SCL		2	40	64	6	20
664	219	664219	Tujunga	LS		1	0	11	6	20
664	219	664219	Tujunga	LS		2	11	31	6	20
664	219	664219	Tujunga	LS		3	31	82	6	20
664	220	664220	Tujunga	LS		1	0	11	6	20
664	220	664220	Tujunga	LS		2	11	31	6	20
664	220	664220	Tujunga	LS		3	31	82	6	20
665	102	665102	Arbuckle	FSL		4	40	60	0.2	6
665	102	665102	Positas	COSL		4	40	60	0.2	6
665	107	665107	Arnold	LS		1	0	15	6	20
665	107	665107	Arnold	LS		2	15	42	6	20
665	108	665108	Arnold	LS		1	0	11	2	6
665	108	665108	Arnold	LS		1	0	15	6	20
665	108	665108	Arnold	LS		2	11	29	2	6
665	108	665108	Arnold	LS		2	15	42	6	20
665	108	665108	San Andreas	SL		1	0	11	2	6
665	108	665108	San Andreas	SL		1	0	15	6	20
665	108	665108	San Andreas	SL		2	11	29	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
665	108	665108	San Andreas	SL		2	15	42	6	20
665	118	665118	Camarillo	SL		1	0	10	2	6
665	126	665126	Cieneba	COSL		1	0	10	2	6
665	127	665127	Andregg	COSL		1	0	9	2	6
665	127	665127	Andregg	COSL		1	0	15	2	6
665	127	665127	Andregg	COSL		2	9	23	2	6
665	127	665127	Cieneba	COSL		1	0	9	2	6
665	127	665127	Cieneba	COSL		1	0	15	2	6
665	127	665127	Cieneba	COSL		2	9	23	2	6
665	128	665128	Cieneba	COSL		1	0	14	2	6
665	128	665128	Cieneba	COSL		1	0	15	2	6
665	128	665128	Cieneba	COSL		2	14	29	2	6
665	128	665128	Vista	COSL		1	0	14	2	6
665	128	665128	Vista	COSL		1	0	15	2	6
665	128	665128	Vista	COSL		2	14	29	2	6
665	141	665141	Gaviota	SL		1	0	10	2	6
665	141	665141	Rock Outcrop	UWB		1	0	10	2	6
665	142	665142	Gaviota	SL		1	0	11	2	6
665	142	665142	Gaviota	SL		1	0	15	2	6
665	142	665142	Gaviota	SL		2	11	29	2	6
665	142	665142	San Andreas	SL		1	0	11	2	6
665	142	665142	San Andreas	SL		1	0	15	2	6
665	142	665142	San Andreas	SL		2	11	29	2	6
665	143	665143	Gaviota	SL		1	0	11	2	6
665	143	665143	Gaviota	SL		1	0	15	2	6
665	143	665143	Gaviota	SL		2	11	29	2	6
665	143	665143	San Andreas	SL		1	0	11	2	6
665	143	665143	San Andreas	SL		1	0	15	2	6
665	143	665143	San Andreas	SL		2	11	29	2	6
665	147	665147	Greenfield	FSL		1	0	8	2	6
665	147	665147	Greenfield	FSL		1	0	25	2	6
665	147	665147	Greenfield	FSL		2	8	54	2	6
665	147	665147	Greenfield	FSL		2	25	60	2	6
665	147	665147	Greenfield	FSL		3	54	60	2	6
665	147	665147	Hanford	FSL		1	0	8	2	6
665	147	665147	Hanford	FSL		1	0	25	2	6
665	147	665147	Hanford	FSL		2	8	54	2	6
665	147	665147	Hanford	FSL		2	25	60	2	6
665	147	665147	Hanford	FSL		3	54	60	2	6
665	148	665148	Greenfield	FSL		1	0	8	2	6
665	148	665148	Greenfield	FSL		1	0	25	2	6
665	148	665148	Greenfield	FSL		2	8	54	2	6
665	148	665148	Greenfield	FSL		2	25	60	2	6
665	148	665148	Greenfield	FSL		3	54	60	2	6
665	148	665148	Hanford	FSL		1	0	8	2	6
665	148	665148	Hanford	FSL		1	0	25	2	6
665	148	665148	Hanford	FSL		2	8	54	2	6
665	148	665148	Hanford	FSL		2	25	60	2	6
665	148	665148	Hanford	FSL		3	54	60	2	6
665	149	665149	Greenfield	GR-SL		1	0	8	2	6
665	149	665149	Greenfield	GR-SL		1	0	25	2	6
665	149	665149	Greenfield	GR-SL		2	8	54	2	6
665	149	665149	Greenfield	GR-SL		2	25	60	2	6
665	149	665149	Greenfield	GR-SL		3	54	60	2	6
665	149	665149	Hanford	GR-SL		1	0	8	2	6
665	149	665149	Hanford	GR-SL		1	0	25	2	6
665	149	665149	Hanford	GR-SL		2	8	54	2	6
665	149	665149	Hanford	GR-SL		2	25	60	2	6
665	149	665149	Hanford	GR-SL		3	54	60	2	6
665	150	665150	Greenfield	GR-SL		1	0	8	2	6
665	150	665150	Greenfield	GR-SL		1	0	25	2	6
665	150	665150	Greenfield	GR-SL		2	8	54	2	6
665	150	665150	Greenfield	GR-SL		2	25	60	2	6
665	150	665150	Greenfield	GR-SL		3	54	60	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
665	150	665150	Hanford	GR-SL		1	0	8	2	6
665	150	665150	Hanford	GR-SL		1	0	25	2	6
665	150	665150	Hanford	GR-SL		2	8	54	2	6
665	150	665150	Hanford	GR-SL		2	25	60	2	6
665	150	665150	Hanford	GR-SL		3	54	60	2	6
665	161	665161	Lompico	L		1	0	10	2	6
665	162	665162	Lompico	L		1	0	10	2	6
665	162	665162	McMullin	GR-L		1	0	10	2	6
665	166	665166	Metz	LS		1	0	9	2	6
665	166	665166	Metz	LS		2	9	60	2	6
665	167	665167	Metz	LS		1	0	20	6	20
665	167	665167	Metz	LS		1	0	9	2	6
665	167	665167	Metz	LS		2	20	60	6	20
665	167	665167	Metz	LS		2	9	60	2	6
665	167	665167	Tujunga	FS		1	0	20	6	20
665	167	665167	Tujunga	FS		1	0	9	2	6
665	167	665167	Tujunga	FS		2	20	60	6	20
665	167	665167	Tujunga	FS		2	9	60	2	6
665	182	665182	Oceano	LS		1	0	60	6	20
665	183	665183	Pico	FSL		1	0	17	2	6
665	183	665183	Pico	FSL		2	17	60	2	6
665	184	665184	Pico	FSL		1	0	17	2	6
665	184	665184	Pico	FSL		2	17	60	2	6
665	190	665190	Gaviota	SL		1	0	10	2	6
665	190	665190	Rock Outcrop	UWB		1	0	10	2	6
665	192	665192	San Andreas	SL		1	0	29	2	6
665	193	665193	Arujo	SL		1	0	10	2	6
665	193	665193	Arujo	SL		1	0	29	2	6
665	193	665193	San Andreas	SL		1	0	10	2	6
665	193	665193	San Andreas	SL		1	0	29	2	6
665	194	665194	San Emigdio	FSL		1	0	7	2	6
665	194	665194	San Emigdio	FSL		2	7	60	2	6
665	195	665195	San Emigdio	FSL		1	0	7	2	6
665	195	665195	San Emigdio	FSL		2	7	60	2	6
665	200	665200	Sesame	SL		1	0	10	2	6
665	210	665210	Vista	COSL		1	0	14	2	6
665	210	665210	Vista	COSL		2	14	29	2	6
665	211	665211	Cieneba	COSL		1	0	15	2	6
665	211	665211	Cieneba	COSL		1	0	14	2	6
665	211	665211	Cieneba	COSL		2	14	29	2	6
665	211	665211	Vista	COSL		1	0	15	2	6
665	211	665211	Vista	COSL		1	0	14	2	6
665	211	665211	Vista	COSL		2	14	29	2	6
665	212	665212	Riverwash	S		1	0	6	6	20
665	212	665212	Riverwash	S		1	0	10	6	20
665	212	665212	Riverwash	S		2	6	60	6	20
665	212	665212	Riverwash	S		2	10	30	2	6
665	212	665212	Riverwash	S		3	30	60	2	6
665	212	665212	Xerofluvents	S		1	0	6	6	20
665	212	665212	Xerofluvents	S		1	0	10	6	20
665	212	665212	Xerofluvents	S		2	6	60	6	20
665	212	665212	Xerofluvents	S		2	10	30	2	6
665	212	665212	Xerofluvents	S		3	30	60	2	6
666	107	666107	Aramburu	SHV-CL		1	0	2	2	6
666	107	666107	Aramburu	SHV-CL		2	2	10	2	6
666	107	666107	Temblor	SHV-SL		1	0	2	2	6
666	107	666107	Temblor	SHV-SL		2	2	10	2	6
666	108	666108	Aramburu	SHV-CL		1	0	2	2	6
666	108	666108	Aramburu	SHV-CL		2	2	10	2	6
666	108	666108	Temblor	SHV-SL		1	0	2	2	6
666	108	666108	Temblor	SHV-SL		2	2	10	2	6
666	111	666111	Aido	C		1	0	15	2	6
666	111	666111	Ayar	SIC		1	0	15	2	6
666	111	666111	Hillbrick	SL		1	0	15	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
666	112	666112	Aido	C		1	0	15	2	6
666	112	666112	Ayar	SIC		1	0	15	2	6
666	112	666112	Hillbrick	SL		1	0	15	2	6
666	115	666115	Bitterwater	SL		1	0	23	2	6
666	115	666115	Bitterwater	SL		2	23	60	2	6
666	116	666116	Bitterwater	SL		1	0	23	2	6
666	116	666116	Bitterwater	SL		2	23	60	2	6
666	117	666117	Bitterwater	GR-SL		1	0	23	2	6
666	117	666117	Bitterwater	GR-SL		2	23	60	2	6
666	118	666118	Bitterwater	SL		1	0	2	2	6
666	118	666118	Bitterwater	SL		1	0	23	2	6
666	118	666118	Bitterwater	SL		2	2	14	2	6
666	118	666118	Bitterwater	SL		2	23	60	2	6
666	118	666118	Delgado	SL		1	0	2	2	6
666	118	666118	Delgado	SL		1	0	23	2	6
666	118	666118	Delgado	SL		2	2	14	2	6
666	118	666118	Delgado	SL		2	23	60	2	6
666	119	666119	Bitterwater	SL		1	0	2	2	6
666	119	666119	Bitterwater	SL		1	0	23	2	6
666	119	666119	Bitterwater	SL		2	2	14	2	6
666	119	666119	Bitterwater	SL		2	23	60	2	6
666	119	666119	Delgado	SL		1	0	2	2	6
666	119	666119	Delgado	SL		1	0	23	2	6
666	119	666119	Delgado	SL		2	2	14	2	6
666	119	666119	Delgado	SL		2	23	60	2	6
666	120	666120	Aridic Calcixerolls	SL		1	0	23	2	6
666	120	666120	Aridic Calcixerolls	SL		2	23	60	2	6
666	120	666120	Bitterwater	GR-SL		1	0	23	2	6
666	120	666120	Bitterwater	GR-SL		2	23	60	2	6
666	121	666121	Bitterwater	GR-SL		1	0	23	2	6
666	121	666121	Bitterwater	GR-SL		2	23	60	2	6
666	121	666121	Typic Torriorthents	GRV-SL		1	0	23	2	6
666	121	666121	Typic Torriorthents	GRV-SL		2	23	60	2	6
666	122	666122	Bitterwater	GR-SL		1	0	23	2	6
666	122	666122	Bitterwater	GR-SL		2	23	60	2	6
666	122	666122	Typic Torriorthents	GRV-SL		1	0	23	2	6
666	122	666122	Typic Torriorthents	GRV-SL		2	23	60	2	6
666	123	666123	Buttonwillow	C		2	28	55	2	6
666	124	666124	Buttonwillow	C		2	28	55	2	6
666	125	666125	Cajon	LS		1	0	9	6	20
666	125	666125	Cajon	LS		2	9	44	6	20
666	125	666125	Cajon	LS		3	44	60	6	20
666	126	666126	Cajon	LS		1	0	9	6	20
666	126	666126	Cajon	LS		2	9	44	6	20
666	126	666126	Cajon	LS		3	44	60	6	20
666	127	666127	Cajon	SL		1	0	10	2	6
666	127	666127	Cajon	SL		2	10	40	6	20
666	127	666127	Cajon	SL		3	40	60	6	20
666	136	666136	Cuyama	L		1	0	11	2	6
666	136	666136	Delano	SL		1	0	11	2	6
666	136	666136	Urban Land			1	0	11	2	6
666	137	666137	Cymric	L	THICK	3	21	61	2	6
666	138	666138	Delano	SL		1	0	11	2	6
666	139	666139	Delano	SL		1	0	11	2	6
666	140	666140	Delano	SL		1	0	11	2	6
666	142	666142	Delano	SL		1	0	11	2	6
666	142	666142	Urban Land			1	0	11	2	6
666	143	666143	Delano Variant	CL		4	31	69	0.6	6
666	144	666144	Delgado	SL		1	0	2	2	6
666	144	666144	Delgado	SL		2	2	10	2	6
666	145	666145	Driver	COSL	THIN	1	0	16	2	6
666	146	666146	Elkhills	SL		1	0	29	2	6
666	146	666146	Elkhills	SL		2	29	49	2	6
666	146	666146	Elkhills	SL		3	49	65	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
666	147	666147	Elkhills	GR-SL		1	0	29	2	6
666	147	666147	Elkhills	GR-SL		3	49	65	2	6
666	148	666148	Elkhills	GR-SL		1	0	29	2	6
666	148	666148	Elkhills	GR-SL		3	49	65	2	6
666	149	666149	Bitterwater	SL		1	0	23	2	6
666	149	666149	Bitterwater	SL		1	0	29	2	6
666	149	666149	Bitterwater	SL		2	23	60	2	6
666	149	666149	Bitterwater	SL		2	29	49	2	6
666	149	666149	Bitterwater	SL		3	49	65	2	6
666	149	666149	Elkhills	SL		1	0	23	2	6
666	149	666149	Elkhills	SL		1	0	29	2	6
666	149	666149	Elkhills	SL		2	23	60	2	6
666	149	666149	Elkhills	SL		2	29	49	2	6
666	149	666149	Elkhills	SL		3	49	65	2	6
666	149	666149	Kettleman	L		1	0	23	2	6
666	149	666149	Kettleman	L		1	0	29	2	6
666	149	666149	Kettleman	L		2	23	60	2	6
666	149	666149	Kettleman	L		2	29	49	2	6
666	149	666149	Kettleman	L		3	49	65	2	6
666	150	666150	Elkhills	SL		1	0	29	2	6
666	150	666150	Elkhills	SL		2	29	49	2	6
666	150	666150	Elkhills	SL		3	49	65	2	6
666	150	666150	Torriorthents	VAR		1	0	29	2	6
666	150	666150	Torriorthents	VAR		2	29	49	2	6
666	150	666150	Torriorthents	VAR		3	49	65	2	6
666	151	666151	Elkhills	SL		1	0	29	2	6
666	151	666151	Elkhills	SL		2	29	49	2	6
666	151	666151	Elkhills	SL		3	49	65	2	6
666	151	666151	Torriorthents	VAR		1	0	29	2	6
666	151	666151	Torriorthents	VAR		2	29	49	2	6
666	151	666151	Torriorthents	VAR		3	49	65	2	6
666	153	666153	Excelsior Variant	SIL		2	11	65	2	6
666	159	666159	Hesperia	SL		1	0	20	2	6
666	159	666159	Hesperia	SL		2	20	60	2	6
666	160	666160	Hesperia	SL		1	0	20	2	6
666	160	666160	Hesperia	SL		2	20	60	2	6
666	161	666161	Aido	C		1	0	15	2	6
666	161	666161	Hillbrick	SL		1	0	15	2	6
666	162	666162	Hillbrick	SL		1	0	15	2	6
666	162	666162	Rock Outcrop			1	0	15	2	6
666	163	666163	Hillbrick	SL		1	0	15	2	6
666	163	666163	Rock Outcrop			1	0	15	2	6
666	164	666164	Houser	FSL		1	0	4	2	6
666	165	666165	Jerryslu	L	THICK	4	43	60	2	6
666	171	666171	Delgado	GR-SL		1	0	2	2	6
666	171	666171	Delgado	GR-SL		2	2	10	2	6
666	171	666171	Kettleman	GR-L		1	0	2	2	6
666	171	666171	Kettleman	GR-L		2	2	10	2	6
666	171	666171	Rock Outcrop			1	0	2	2	6
666	171	666171	Rock Outcrop			2	2	10	2	6
666	172	666172	Hillbrick	SL		1	0	15	2	6
666	172	666172	Kilmer	L		1	0	15	2	6
666	173	666173	Hillbrick	SL		1	0	15	2	6
666	173	666173	Kilmer	L		1	0	15	2	6
666	174	666174	Kimberlina	FSL		1	0	9	2	6
666	174	666174	Kimberlina	FSL		2	9	45	2	6
666	175	666175	Kimberlina	SL		1	0	9	2	6
666	175	666175	Kimberlina	SL		2	9	45	2	6
666	176	666176	Kimberlina	SL		1	0	9	2	6
666	176	666176	Kimberlina	SL		2	9	45	2	6
666	177	666177	Kimberlina	GR-SL		1	0	25	2	6
666	177	666177	Kimberlina	GR-SL		2	25	60	2	6
666	178	666178	Kimberlina	GR-SL		1	0	25	2	6
666	178	666178	Kimberlina	GR-SL		2	25	60	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
666	179	666179	Kimberlina	FSL		1	0	9	2	6
666	180	666180	Cajon	LS		1	0	9	6	20
666	180	666180	Cajon	LS		1	0	9	2	6
666	180	666180	Cajon	LS		2	9	44	6	20
666	180	666180	Cajon	LS		2	9	45	2	6
666	180	666180	Cajon	LS		3	44	60	6	20
666	180	666180	Kimberlina	FSL		1	0	9	6	20
666	180	666180	Kimberlina	FSL		1	0	9	2	6
666	180	666180	Kimberlina	FSL		2	9	44	6	20
666	180	666180	Kimberlina	FSL		2	9	45	2	6
666	180	666180	Kimberlina	FSL		3	44	60	6	20
666	180	666180	Urban Land			1	0	9	6	20
666	180	666180	Urban Land			1	0	9	2	6
666	180	666180	Urban Land			2	9	44	6	20
666	180	666180	Urban Land			2	9	45	2	6
666	180	666180	Urban Land			3	44	60	6	20
666	184	666184	Lewkalb	SL		1	0	23	2	6
666	185	666185	Kimberlina	SL		1	0	10	2	6
666	185	666185	Kimberlina	SL		1	0	10	2	6
666	185	666185	Kimberlina	SL		1	0	23	2	6
666	185	666185	Kimberlina	SL		2	10	60	2	6
666	185	666185	Lewkalb	SL		1	0	10	2	6
666	185	666185	Lewkalb	SL		1	0	10	2	6
666	185	666185	Lewkalb	SL		1	0	23	2	6
666	185	666185	Lewkalb	SL		2	10	60	2	6
666	185	666185	Milham	SL		1	0	10	2	6
666	185	666185	Milham	SL		1	0	10	2	6
666	185	666185	Milham	SL		1	0	23	2	6
666	185	666185	Milham	SL		2	10	60	2	6
666	193	666193	Hillbrick	L		1	0	15	2	6
666	193	666193	Kilmer	L		1	0	15	2	6
666	193	666193	Mendi	L		1	0	15	2	6
666	194	666194	Hillbrick	L		1	0	15	2	6
666	194	666194	Kilmer	L		1	0	15	2	6
666	194	666194	Mendi	L		1	0	15	2	6
666	195	666195	Hillbrick	L		1	0	15	2	6
666	195	666195	Kilmer	L		1	0	15	2	6
666	195	666195	Mendi	L		1	0	15	2	6
666	196	666196	Milham	SL		1	0	10	2	6
666	197	666197	Milham	SL		1	0	10	2	6
666	198	666198	Milham	SL		1	0	10	2	6
666	222	666222	Premier	COSL		1	0	12	2	6
666	222	666222	Premier	COSL		2	12	60	2	6
666	223	666223	Premier	COSL		1	0	12	2	6
666	223	666223	Premier	COSL		2	12	60	2	6
666	224	666224	Premier	COSL		1	0	12	2	6
666	224	666224	Premier	COSL		2	12	60	2	6
666	225	666225	Durorthids	SL	THICK	1	0	12	2	6
666	225	666225	Durorthids	SL	THICK	2	12	60	2	6
666	225	666225	Premier	COSL		1	0	12	2	6
666	225	666225	Premier	COSL		2	12	60	2	6
666	226	666226	Durorthids	SL	THICK	1	0	12	2	6
666	226	666226	Durorthids	SL	THICK	2	12	60	2	6
666	226	666226	Premier	COSL		1	0	12	2	6
666	226	666226	Premier	COSL		2	12	60	2	6
666	232	666232	Elkhills	SL		1	0	29	2	6
666	232	666232	Elkhills	SL		2	29	49	2	6
666	232	666232	Elkhills	SL		3	49	65	2	6
666	232	666232	Torriorthents	VAR		1	0	29	2	6
666	232	666232	Torriorthents	VAR		2	29	49	2	6
666	232	666232	Torriorthents	VAR		3	49	65	2	6
666	233	666233	Twisselman	SL		1	0	8	2	6
666	234	666234	Twisselman	SL		1	0	8	2	6
666	239	666239	Kimberlina	SL		1	0	9	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
666	239	666239	Kimberlina	SL		2	9	45	2	6
666	239	666239	Typic Gypsiorthids	SL		1	0	9	2	6
666	239	666239	Typic Gypsiorthids	SL		2	9	45	2	6
666	243	666243	Wasco	SL		1	0	15	2	6
666	243	666243	Wasco	SL		2	15	60	2	6
666	244	666244	Wasco	FSL		1	0	30	2	6
666	244	666244	Wasco	FSL		2	30	60	2	6
666	246	666246	Whitewolf	COSL		1	0	11	2	6
666	246	666246	Whitewolf	COSL		2	11	65	6	20
667	120	667120	Hillbrick	L		1	0	60	0.06	6
667	120	667120	Hillbrick	L		1	0	15	2	6
667	120	667120	Rock Outcrop	UWB		1	0	60	0.06	6
667	120	667120	Rock Outcrop	UWB		1	0	15	2	6
667	121	667121	Hillbrick	L		1	0	60	0.06	6
667	121	667121	Hillbrick	L		1	0	15	2	6
667	121	667121	Rock Outcrop	UWB		1	0	60	0.06	6
667	121	667121	Rock Outcrop	UWB		1	0	15	2	6
667	123	667123	Lithic Torriorthents	VAR		1	0	60	0.06	6
667	123	667123	Lithic Torriorthents	VAR		1	0	5	2	6
667	123	667123	Lithic Torriorthents	VAR		2	5	22	2	6
667	123	667123	Rock Outcrop	UWB		1	0	60	0.06	6
667	123	667123	Rock Outcrop	UWB		1	0	5	2	6
667	123	667123	Rock Outcrop	UWB		2	5	22	2	6
667	123	667123	Semper	VFSL		1	0	60	0.06	6
667	123	667123	Semper	VFSL		1	0	5	2	6
667	123	667123	Semper	VFSL		2	5	22	2	6
667	130	667130	Hillbrick	L		1	0	15	2	6
667	130	667130	Kilmer	L		1	0	15	2	6
667	131	667131	Hillbrick	L		1	0	15	2	6
667	131	667131	Kilmer	L		1	0	15	2	6
667	150	667150	San Emigdio	FSL		1	0	7	2	6
667	150	667150	San Emigdio	FSL		2	7	60	2	6
667	179	667179	Padres	SL		1	0	16	2	6
667	179	667179	Padres	SL		2	16	30	2	6
667	179	667179	Padres	SL		4	46	62	2	6
667	180	667180	Padres	FSL		1	0	16	2	6
667	180	667180	Padres	FSL		2	16	30	2	6
667	180	667180	Padres	FSL		4	46	62	2	6
667	204	667204	Aramburu	SHV-CL		1	0	13	2	6
667	204	667204	Temblor	SHV-L		1	0	13	2	6
667	205	667205	Aramburu	SHV-CL		1	0	13	2	6
667	205	667205	Temblor	SHV-L		1	0	13	2	6
667	218	667218	Beam	FSL		1	0	4	2	6
667	218	667218	Beam	FSL		2	4	15	2	6
667	218	667218	Calleguas	L		1	0	4	2	6
667	218	667218	Calleguas	L		2	4	15	2	6
667	218	667218	Panoza	L		1	0	4	2	6
667	218	667218	Panoza	L		2	4	15	2	6
667	220	667220	Beam	FSL		1	0	15	2	6
667	220	667220	Beam	FSL		1	0	4	2	6
667	220	667220	Beam	FSL		2	4	15	2	6
667	220	667220	Hillbrick	L		1	0	15	2	6
667	220	667220	Hillbrick	L		1	0	4	2	6
667	220	667220	Hillbrick	L		2	4	15	2	6
667	220	667220	Panoza	L		1	0	15	2	6
667	220	667220	Panoza	L		1	0	4	2	6
667	220	667220	Panoza	L		2	4	15	2	6
667	221	667221	Beam	FSL		1	0	15	2	6
667	221	667221	Beam	FSL		1	0	4	2	6
667	221	667221	Beam	FSL		2	4	15	2	6
667	221	667221	Hillbrick	L		1	0	15	2	6
667	221	667221	Hillbrick	L		1	0	4	2	6
667	221	667221	Hillbrick	L		2	4	15	2	6
667	221	667221	Panoza	L		1	0	15	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
667	221	667221	Panoza	L		1	0	4	2	6
667	221	667221	Panoza	L		2	4	15	2	6
667	222	667222	Beam	FSL		1	0	15	2	6
667	222	667222	Beam	FSL		1	0	4	2	6
667	222	667222	Beam	FSL		2	4	15	2	6
667	222	667222	Hillbrick	L		1	0	15	2	6
667	222	667222	Hillbrick	L		1	0	4	2	6
667	222	667222	Hillbrick	L		2	4	15	2	6
667	222	667222	Panoza	L		1	0	15	2	6
667	222	667222	Panoza	L		1	0	4	2	6
667	222	667222	Panoza	L		2	4	15	2	6
667	227	667227	Beam	ST-SL		1	0	4	2	6
667	227	667227	Beam	ST-SL		2	4	15	2	6
667	227	667227	Panoza	ST-L		1	0	4	2	6
667	227	667227	Panoza	ST-L		2	4	15	2	6
667	228	667228	Beam	ST-SL		1	0	4	2	6
667	228	667228	Beam	ST-SL		2	4	15	2	6
667	228	667228	Panoza	ST-L		1	0	4	2	6
667	228	667228	Panoza	ST-L		2	4	15	2	6
667	229	667229	Beam	FSL		1	0	11	2	6
667	229	667229	Beam	FSL		1	0	4	2	6
667	229	667229	Beam	FSL		2	11	25	2	6
667	229	667229	Beam	FSL		2	4	15	2	6
667	229	667229	San Timoteo	SL		1	0	11	2	6
667	229	667229	San Timoteo	SL		1	0	4	2	6
667	229	667229	San Timoteo	SL		2	11	25	2	6
667	229	667229	San Timoteo	SL		2	4	15	2	6
667	230	667230	Padres	SL		1	0	5	2	6
667	230	667230	Padres	SL		1	0	6	2	6
667	230	667230	Padres	SL		3	33	70	2	6
667	230	667230	Wasioja	SL		1	0	5	2	6
667	230	667230	Wasioja	SL		1	0	6	2	6
667	230	667230	Wasioja	SL		3	33	70	2	6
667	240	667240	Beam	FSL		1	0	4	2	6
667	240	667240	Beam	FSL		2	4	15	2	6
667	240	667240	Panoza	L		1	0	4	2	6
667	240	667240	Panoza	L		2	4	15	2	6
667	241	667241	Beam	FSL		1	0	4	2	6
667	241	667241	Beam	FSL		2	4	15	2	6
667	241	667241	Panoza	L		1	0	4	2	6
667	241	667241	Panoza	L		2	4	15	2	6
667	242	667242	Beam	FSL		1	0	4	2	6
667	242	667242	Beam	FSL		2	4	15	2	6
667	242	667242	Panoza	L		1	0	4	2	6
667	242	667242	Panoza	L		2	4	15	2	6
667	274	667274	Aido	C		1	0	15	2	6
667	274	667274	Ayar	C		1	0	15	2	6
667	274	667274	Hillbrick	L		1	0	15	2	6
667	275	667275	Aido	C		1	0	15	2	6
667	275	667275	Ayar	C		1	0	15	2	6
667	275	667275	Hillbrick	L		1	0	15	2	6
667	280	667280	Beam	FSL		1	0	4	2	6
667	280	667280	Beam	FSL		2	4	15	2	6
667	280	667280	Jenks	CL		1	0	4	2	6
667	280	667280	Jenks	CL		2	4	15	2	6
667	280	667280	Panoza	L		1	0	4	2	6
667	280	667280	Panoza	L		2	4	15	2	6
667	281	667281	Beam	FSL		1	0	4	2	6
667	281	667281	Beam	FSL		2	4	15	2	6
667	281	667281	Jenks	CL		1	0	4	2	6
667	281	667281	Jenks	CL		2	4	15	2	6
667	281	667281	Panoza	L		1	0	4	2	6
667	281	667281	Panoza	L		2	4	15	2	6
667	282	667282	Beam	FSL		1	0	4	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
667	282	667282	Beam	FSL		2	4	15	2	6
667	282	667282	Jenks	CL		1	0	4	2	6
667	282	667282	Jenks	CL		2	4	15	2	6
667	282	667282	Panoza	L		1	0	4	2	6
667	282	667282	Panoza	L		2	4	15	2	6
667	290	667290	Bellyspring	SL		1	0	11	2	6
667	290	667290	Bellyspring	SL		1	0	7	2	6
667	290	667290	Bellyspring	SL		1	0	11	2	6
667	290	667290	Bellyspring	SL		2	11	25	2	6
667	290	667290	Bellyspring	SL		2	11	25	2	6
667	290	667290	Bellyspring	SL		3	27	36	2	6
667	290	667290	San Andreas	SL		1	0	11	2	6
667	290	667290	San Andreas	SL		1	0	7	2	6
667	290	667290	San Andreas	SL		1	0	11	2	6
667	290	667290	San Andreas	SL		2	11	25	2	6
667	290	667290	San Andreas	SL		2	11	25	2	6
667	290	667290	San Andreas	SL		3	27	36	2	6
667	290	667290	San Timoteo	SL		1	0	11	2	6
667	290	667290	San Timoteo	SL		1	0	7	2	6
667	290	667290	San Timoteo	SL		1	0	11	2	6
667	290	667290	San Timoteo	SL		2	11	25	2	6
667	290	667290	San Timoteo	SL		2	11	25	2	6
667	290	667290	San Timoteo	SL		3	27	36	2	6
667	291	667291	Bellyspring	SL		1	0	7	2	6
667	291	667291	Bellyspring	SL		1	0	11	2	6
667	291	667291	Bellyspring	SL		1	0	11	2	6
667	291	667291	Bellyspring	SL		2	11	25	2	6
667	291	667291	Bellyspring	SL		2	11	25	2	6
667	291	667291	Bellyspring	SL		3	27	36	2	6
667	291	667291	San Andreas	SL		1	0	7	2	6
667	291	667291	San Andreas	SL		1	0	11	2	6
667	291	667291	San Andreas	SL		1	0	11	2	6
667	291	667291	San Andreas	SL		2	11	25	2	6
667	291	667291	San Andreas	SL		2	11	25	2	6
667	291	667291	San Andreas	SL		3	27	36	2	6
667	291	667291	San Timoteo	SL		1	0	7	2	6
667	291	667291	San Timoteo	SL		1	0	11	2	6
667	291	667291	San Timoteo	SL		1	0	11	2	6
667	291	667291	San Timoteo	SL		2	11	25	2	6
667	291	667291	San Timoteo	SL		2	11	25	2	6
667	291	667291	San Timoteo	SL		3	27	36	2	6
667	292	667292	San Andreas	SL		1	0	7	2	6
667	292	667292	San Andreas	SL		1	0	11	2	6
667	292	667292	San Andreas	SL		1	0	11	2	6
667	292	667292	San Andreas	SL		1	0	7	2	6
667	292	667292	San Andreas	SL		1	0	11	2	6
667	292	667292	San Andreas	SL		1	0	11	2	6
667	292	667292	San Andreas	SL		2	11	25	2	6
667	292	667292	San Andreas	SL		2	11	25	2	6
667	292	667292	San Andreas	SL		2	11	25	2	6
667	292	667292	San Andreas	SL		2	11	25	2	6
667	292	667292	San Andreas	SL		3	27	36	2	6
667	292	667292	San Andreas	SL		3	27	36	2	6
667	292	667292	San Timoteo	SL		1	0	7	2	6
667	292	667292	San Timoteo	SL		1	0	11	2	6
667	292	667292	San Timoteo	SL		1	0	11	2	6
667	292	667292	San Timoteo	SL		2	11	25	2	6
667	292	667292	San Timoteo	SL		2	11	25	2	6
667	292	667292	San Timoteo	SL		3	27	36	2	6
667	310	667310	Pinspring	L		4	51	62	2	6
667	310	667310	Yeguas	L		4	51	62	2	6
667	311	667311	Pinspring	L		4	51	62	2	6
667	311	667311	Yeguas	L		4	51	62	2	6
667	340	667340	Arnold	LS		1	0	11	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
667	340	667340	Arnold	LS		1	0	15	6	20
667	340	667340	Arnold	LS		2	11	29	2	6
667	340	667340	Arnold	LS		2	15	42	6	20
667	340	667340	San Andreas	SL		1	0	11	2	6
667	340	667340	San Andreas	SL		1	0	15	6	20
667	340	667340	San Andreas	SL		2	11	29	2	6
667	340	667340	San Andreas	SL		2	15	42	6	20
667	360	667360	Chicote	SICL		1	0	5	0.6	6
667	360	667360	Chicote	SIL		1	0	5	0.6	6
667	361	667361	Chicote	SICL		1	0	5	0.6	6
667	361	667361	Chicote	SIL		1	0	5	0.6	6
667	362	667362	Chicote	SICL		1	0	5	0.6	6
667	362	667362	Chicote	SIL		1	0	5	0.6	6
667	371	667371	Semper	VFSL		1	0	5	2	6
667	371	667371	Semper	VFSL		2	5	22	2	6
667	372	667372	Semper	VFSL		1	0	5	2	6
667	372	667372	Semper	VFSL		2	5	22	2	6
667	375	667375	Badlands	WB		1	0	5	2	6
667	375	667375	Badlands	WB		2	5	22	2	6
667	375	667375	Semper	VFSL		1	0	5	2	6
667	375	667375	Semper	VFSL		2	5	22	2	6
667	380	667380	Muranch	L		1	0	60	0.06	6
667	380	667380	Rock Outcrop	UWB		1	0	60	0.06	6
667	380	667380	Xerorthents	VAR		1	0	60	0.06	6
667	388	667388	Gaviota	SL		1	0	11	2	6
667	388	667388	Gaviota	SL		1	0	60	0.06	6
667	388	667388	Rock Outcrop	UWB		1	0	11	2	6
667	388	667388	Rock Outcrop	UWB		1	0	60	0.06	6
667	391	667391	Rock Outcrop	UWB		1	0	60	0.06	6
667	391	667391	Torriorthents	VAR		1	0	60	0.06	6
667	401	667401	Godde	SL		1	0	60	0.06	6
667	401	667401	Rock Outcrop	UWB		1	0	60	0.06	6
667	401	667401	Xerorthents	VAR		1	0	60	0.06	6
667	409	667409	Bellyache	L		1	0	60	0.06	6
667	409	667409	Bellyache	L		1	0	11	2	6
667	409	667409	Gaviota	SL		1	0	60	0.06	6
667	409	667409	Gaviota	SL		1	0	11	2	6
667	409	667409	Rock Outcrop	UWB		1	0	60	0.06	6
667	409	667409	Rock Outcrop	UWB		1	0	11	2	6
667	410	667410	Gaviota	SL		1	0	60	0.06	6
667	410	667410	Gaviota	SL		1	0	11	2	6
667	410	667410	Rock Outcrop	UWB		1	0	60	0.06	6
667	410	667410	Rock Outcrop	UWB		1	0	11	2	6
667	420	667420	Bellyache Variant	L		1	0	60	0.06	6
667	420	667420	Rock Outcrop	UWB		1	0	60	0.06	6
667	420	667420	Yeguas Variant	L		1	0	60	0.06	6
667	430	667430	Aramburu Variant	L		1	0	60	0.06	6
667	430	667430	Aramburu Variant	L		1	0	3	2	6
667	430	667430	Rock Outcrop	UWB		1	0	60	0.06	6
667	430	667430	Rock Outcrop	UWB		1	0	3	2	6
667	430	667430	Saucito	SL		1	0	60	0.06	6
667	430	667430	Saucito	SL		1	0	3	2	6
667	440	667440	Beam	FSL		1	0	4	2	6
667	440	667440	Beam	FSL		2	4	15	2	6
667	440	667440	Beam	FSL		3	23	38	2	6
667	440	667440	Bellyspring	SL		1	0	4	2	6
667	440	667440	Bellyspring	SL		2	4	15	2	6
667	440	667440	Bellyspring	SL		3	23	38	2	6
667	440	667440	Paonza	L		1	0	4	2	6
667	440	667440	Paonza	L		2	4	15	2	6
667	440	667440	Paonza	L		3	23	38	2	6
667	441	667441	Beam	FSL		1	0	4	2	6
667	441	667441	Beam	FSL		2	4	15	2	6
667	441	667441	Beam	FSL		3	23	38	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
667	441	667441	Bellyspring	SL		1	0	4	2	6
667	441	667441	Bellyspring	SL		2	4	15	2	6
667	441	667441	Bellyspring	SL		3	23	38	2	6
667	441	667441	Panoza	L		1	0	4	2	6
667	441	667441	Panoza	L		2	4	15	2	6
667	441	667441	Panoza	L		3	23	38	2	6
667	442	667442	Beam	FSL		1	0	4	2	6
667	442	667442	Beam	FSL		2	4	15	2	6
667	442	667442	Beam	FSL		3	23	38	2	6
667	442	667442	Bellyache	SL		1	0	4	2	6
667	442	667442	Bellyache	SL		2	4	15	2	6
667	442	667442	Bellyache	SL		3	23	38	2	6
667	442	667442	Panoza	L		1	0	4	2	6
667	442	667442	Panoza	L		2	4	15	2	6
667	442	667442	Panoza	L		3	23	38	2	6
667	445	667445	Bellyspring	SL		3	23	38	2	6
667	445	667445	Panoza	L		3	23	38	2	6
667	445	667445	Xerorthents	VAR		3	23	38	2	6
667	474	667474	Elder	SL		1	0	21	2	6
667	474	667474	Elder	SL		2	21	67	2	6
667	475	667475	Elder	SL		1	0	21	2	6
667	475	667475	Elder	SL		2	21	67	2	6
667	480	667480	Metz	LS		1	0	10	2	6
667	480	667480	Metz	LS		2	10	63	2	6
667	490	667490	Wasioja	SL		1	0	5	2	6
667	490	667490	Wasioja	SL		3	33	60	2	6
667	491	667491	Wasioja	SL		1	0	5	2	6
667	491	667491	Wasioja	SL		3	33	60	2	6
667	905	667905	Riverash	S		1	0	6	6	20
667	905	667905	Riverash	S		1	0	10	6	20
667	905	667905	Riverash	S		2	6	60	6	20
667	905	667905	Riverash	S		2	10	30	2	6
667	905	667905	Riverash	S		3	30	60	2	6
667	905	667905	Xerofluvents	S		1	0	6	6	20
667	905	667905	Xerofluvents	S		1	0	10	6	20
667	905	667905	Xerofluvents	S		2	6	60	6	20
667	905	667905	Xerofluvents	S		2	10	30	2	6
667	905	667905	Xerofluvents	S		3	30	60	2	6
668	102	668102	Cajon	GR-LS		1	0	6	6	20
668	102	668102	Cajon	GR-LS		2	6	60	6	20
668	103	668103	Cajon	GR-COS		1	0	25	6	20
668	103	668103	Cajon	GR-COS		2	25	60	6	20
668	104	668104	Cajon	S		1	0	14	6	20
668	104	668104	Cajon	S		2	14	25	6	20
668	104	668104	Cajon	S		3	25	60	6	20
668	105	668105	Cajon	S		1	0	7	6	20
668	105	668105	Cajon	S		2	7	25	6	20
668	105	668105	Cajon	S		3	25	55	6	20
668	105	668105	Cajon	S		4	55	60	6	20
668	106	668106	Cajon	S		1	0	10	6	20
668	106	668106	Cajon	S		2	10	48	6	20
668	106	668106	Cajon	S		3	48	60	6	20
668	108	668108	Cajon	GR-S		1	0	4	6	20
668	108	668108	Cajon	GR-S		2	4	60	6	20
668	109	668109	Cajon	SL		1	0	2	2	6
668	109	668109	Cajon	SL		2	2	30	6	20
668	109	668109	Cajon	SL		3	30	60	6	20
668	111	668111	Neuralia	LS		1	0	15	6	20
668	111	668111	Neuralia	LS		3	33	60	6	20
668	112	668112	Neuralia	S		1	0	19	6	20
668	112	668112	Neuralia	S		3	36	60	6	20
668	113	668113	Neuralia	S		1	0	12	6	20
668	113	668113	Neuralia	S		3	39	60	6	20
668	114	668114	Neuralia	LS		1	0	15	6	20

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
668	114	668114	Neuralia	LS		3	33	60	6	20
668	114	668114	Urban Land	VAR		1	0	15	6	20
668	114	668114	Urban Land	VAR		3	33	60	6	20
668	116	668116	Helendale	S		1	0	12	6	20
668	116	668116	Helendale	S		2	12	43	2	6
668	116	668116	Helendale	S		3	43	48	6	20
668	116	668116	Helendale	S		4	48	60	6	20
668	117	668117	Helendale	S		1	0	12	6	20
668	117	668117	Helendale	S		2	12	43	2	6
668	117	668117	Helendale	S		3	43	48	6	20
668	117	668117	Helendale	S		4	48	60	6	20
668	118	668118	Helendale	S		1	0	12	6	20
668	118	668118	Helendale	S		2	12	43	2	6
668	118	668118	Helendale	S		3	43	48	6	20
668	118	668118	Helendale	S		4	48	60	6	20
668	118	668118	Urban Land	VAR		1	0	12	6	20
668	118	668118	Urban Land	VAR		2	12	43	2	6
668	118	668118	Urban Land	VAR		3	43	48	6	20
668	118	668118	Urban Land	VAR		4	48	60	6	20
668	121	668121	Garlock	COS		1	0	4	6	20
668	121	668121	Garlock	COS		2	4	13	2	6
668	121	668121	Garlock	COS		4	39	60	6	20
668	122	668122	Garlock	COS		1	0	4	6	20
668	122	668122	Garlock	COS		2	4	13	2	6
668	122	668122	Garlock	COS		4	39	60	6	20
668	130	668130	Lavic	S		1	0	5	6	20
668	130	668130	Lavic	S		2	5	32	2	6
668	131	668131	Lavic	S		1	0	5	6	20
668	131	668131	Lavic	S		2	5	32	2	6
668	131	668131	Urban Land	VAR		1	0	5	6	20
668	131	668131	Urban Land	VAR		2	5	32	2	6
668	135	668135	Arizo	CBV-COS		1	0	8	20	20
668	135	668135	Arizo	CBV-COS		2	8	60	20	20
668	138	668138	Hesperia	SL		1	0	7	2	6
668	138	668138	Hesperia	SL		2	7	60	2	6
668	139	668139	Riverwash	GRV-S		1	0	6	6	20
668	139	668139	Riverwash	GRV-S		2	6	60	6	20
668	143	668143	Calicreek	LS		1	0	7	6	20
668	143	668143	Calicreek	LS		2	7	31	2	6
668	143	668143	Calicreek	LS		3	31	60	2	6
668	144	668144	Calicreek	SL		1	0	5	2	6
668	144	668144	Calicreek	SL		2	5	60	2	6
668	145	668145	Delano	LS		1	0	7	2	20
668	145	668145	Delano	LS		2	7	20	2	6
668	145	668145	Delano	LS		4	55	60	2	6
668	146	668146	Delano	SL		1	0	18	2	6
668	155	668155	Helendale	LS		1	0	4	6	20
668	155	668155	Helendale	LS		2	4	27	2	6
668	155	668155	Helendale	LS		3	27	60	6	20
668	156	668156	Helendale	LS		1	0	4	6	20
668	156	668156	Helendale	LS		2	4	27	2	6
668	156	668156	Helendale	LS		3	27	60	6	20
668	159	668159	Garlock	COS		1	0	8	6	20
668	159	668159	Garlock	COS		1	0	10	6	20
668	159	668159	Garlock	COS	THIN	1	0	8	6	20
668	159	668159	Garlock	COS	THIN	1	0	10	6	20
668	159	668159	Garlock	COS		2	10	26	2	6
668	159	668159	Garlock	COS	THIN	2	10	26	2	6
668	159	668159	Garlock	COS		4	36	50	6	20
668	159	668159	Garlock	COS		4	33	60	6	20
668	159	668159	Garlock	COS	THIN	4	36	50	6	20
668	159	668159	Garlock	COS	THIN	4	33	60	6	20
668	161	668161	Cajon	S		1	0	3	6	20
668	161	668161	Cajon	S		2	3	7	6	20

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
668	161	668161	Cajon	S		3	7	60	6	20
668	162	668162	Cajon	LS		1	0	6	6	20
668	162	668162	Cajon	LS		1	0	10	6	20
668	162	668162	Cajon	LS		2	6	26	2	6
668	162	668162	Cajon	LS		2	10	55	6	20
668	162	668162	Cajon	LS		3	26	60	6	20
668	162	668162	Cajon	LS		3	55	60	6	20
668	162	668162	Helendale	GR-LS		1	0	6	6	20
668	162	668162	Helendale	GR-LS		1	0	10	6	20
668	162	668162	Helendale	GR-LS		2	6	26	2	6
668	162	668162	Helendale	GR-LS		2	10	55	6	20
668	162	668162	Helendale	GR-LS		3	26	60	6	20
668	162	668162	Helendale	GR-LS		3	55	60	6	20
668	170	668170	Neuralia	LS		1	0	6	6	20
668	170	668170	Neuralia	LS		3	33	45	6	20
668	170	668170	Neuralia	LS		4	45	60	6	20
668	176	668176	Elkhills	L		1	0	17	2	6
668	176	668176	Elkhills	L		2	17	34	2	6
668	176	668176	Elkhills	L		3	34	60	2	6
668	177	668177	Chanac	SCL		1	0	4	2	6
668	177	668177	Torriorthents	SL		1	0	4	2	6
668	178	668178	Cuyama	SL		1	0	10	2	6
668	178	668178	Delano	SCL		1	0	10	2	6
668	179	668179	Elkhills	L		1	0	17	2	6
668	179	668179	Elkhills	L		1	0	4	2	6
668	179	668179	Elkhills	L		2	17	34	2	6
668	179	668179	Elkhills	L		3	34	60	2	6
668	179	668179	Torriorthents	SL		1	0	17	2	6
668	179	668179	Torriorthents	SL		1	0	4	2	6
668	179	668179	Torriorthents	SL		2	17	34	2	6
668	179	668179	Torriorthents	SL		3	34	60	2	6
668	180	668180	Cerrocoso	GR-SL		1	0	3	2	6
668	180	668180	Cerrocoso	GR-SL		4	27	60	2	6
668	181	668181	Cerrocoso	GR-SL		1	0	3	2	6
668	181	668181	Cerrocoso	GR-SL		4	27	60	2	6
668	182	668182	Cerrocoso	LS		1	0	12	6	20
668	182	668182	Cerrocoso	LS		4	36	60	2	6
668	182	668182	Urban Land	VAR		1	0	12	6	20
668	182	668182	Urban Land	VAR		4	36	60	2	6
668	184	668184	Cuyama	SL		1	0	19	2	6
668	185	668185	Brecken	GR-SL		1	0	4	2	6
668	185	668185	Brecken	GR-SL		1	0	3	2	6
668	185	668185	Brecken	GR-SL		2	3	12	2	6
668	185	668185	Brecken	GR-SL		5	39	60	2	6
668	185	668185	Cuyama	SL		1	0	4	2	6
668	185	668185	Cuyama	SL		1	0	3	2	6
668	185	668185	Cuyama	SL		2	3	12	2	6
668	185	668185	Cuyama	SL		5	39	60	2	6
668	185	668185	Pleito	CL		1	0	4	2	6
668	185	668185	Pleito	CL		1	0	3	2	6
668	185	668185	Pleito	CL		2	3	12	2	6
668	185	668185	Pleito	CL		5	39	60	2	6
668	187	668187	Chanac	L		1	0	2	2	6
668	187	668187	Chanac	L		2	2	10	2	6
668	187	668187	Trigo	FSL		1	0	2	2	6
668	187	668187	Trigo	FSL		2	2	10	2	6
668	188	668188	Locobill	SL		1	0	3	2	6
668	188	668188	Locobill	SL		1	0	14	2	6
668	188	668188	Locobill	SL		1	0	11	2	6
668	188	668188	Locobill	SL		2	3	28	2	6
668	188	668188	Tollhouse	GR-SL		1	0	3	2	6
668	188	668188	Tollhouse	GR-SL		1	0	14	2	6
668	188	668188	Tollhouse	GR-SL		1	0	11	2	6
668	188	668188	Tollhouse	GR-SL		2	3	28	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
668	188	668188	Tweedy	SL		1	0	3	2	6
668	188	668188	Tweedy	SL		1	0	14	2	6
668	188	668188	Tweedy	SL		1	0	11	2	6
668	188	668188	Tweedy	SL		2	3	28	2	6
668	189	668189	Tweedy	SL		1	0	13	2	6
668	189	668189	Tweedy	SL		1	0	11	2	6
668	189	668189	Tweedy	SL		2	13	25	2	6
668	189	668189	Walong	GR-SL		1	0	13	2	6
668	189	668189	Walong	GR-SL		1	0	11	2	6
668	189	668189	Walong	GR-SL		2	13	25	2	6
668	190	668190	Rock Outcrop	UWB		1	0	60	0.06	6
668	190	668190	Rock Outcrop	UWB		1	0	2	2	6
668	190	668190	Sparkhule	CBV-SL		1	0	60	0.06	6
668	190	668190	Sparkhule	CBV-SL		1	0	2	2	6
668	201	668201	Chanac	SCL		1	0	4	2	6
668	201	668201	Pleito	SCL		1	0	4	2	6
668	201	668201	Raggulch	SL		1	0	4	2	6
668	205	668205	Chanac	SCL		1	0	2	2	6
668	205	668205	Chanac	SCL		2	2	9	2	6
668	205	668205	Pleito	CL		1	0	2	2	6
668	205	668205	Pleito	CL		2	2	9	2	6
668	205	668205	Trigo	FSL		1	0	2	2	6
668	205	668205	Trigo	FSL		2	2	9	2	6
668	207	668207	Whitewolf	LS		1	0	10	6	20
668	207	668207	Whitewolf	LS		2	10	60	6	20
668	209	668209	Whitewolf	LS		1	0	15	6	20
668	209	668209	Whitewolf	LS		2	15	25	6	20
668	209	668209	Whitewolf	LS		3	25	60	6	20
668	210	668210	Grangeville	FSL		1	0	6	2	6
668	210	668210	Grangeville	FSL		2	6	27	2	6
668	210	668210	Grangeville	FSL		3	27	60	2	6
668	211	668211	Lewkalb	S	THICK	1	0	12	6	20
668	211	668211	Lewkalb	S	THICK	2	12	28	6	20
668	212	668212	Grangeville	FSL		1	0	10	2	6
668	212	668212	Grangeville	FSL		2	10	31	2	6
668	212	668212	Grangeville	FSL		3	31	60	2	6
668	213	668213	Calicreek	LCOS		1	0	7	6	20
668	213	668213	Calicreek	LCOS		2	7	31	2	6
668	213	668213	Calicreek	LCOS		3	31	60	2	6
668	215	668215	Kelval	LS		1	0	7	6	20
668	215	668215	Kelval	LS		2	7	43	2	6
668	215	668215	Kelval	LS		3	43	60	2	6
668	216	668216	Inyo	GR-LCOS		1	0	5	6	20
668	216	668216	Inyo	GR-LCOS		1	0	14	6	20
668	216	668216	Inyo	GR-LCOS		2	5	60	6	20
668	216	668216	Inyo	GR-LCOS		2	14	60	6	20
668	216	668216	Riverwash	GR-COS		1	0	5	6	20
668	216	668216	Riverwash	GR-COS		1	0	14	6	20
668	216	668216	Riverwash	GR-COS		2	5	60	6	20
668	216	668216	Riverwash	GR-COS		2	14	60	6	20
668	217	668217	Riverwash	GR-COS		1	0	10	6	20
668	217	668217	Riverwash	GR-COS		1	0	14	6	20
668	217	668217	Riverwash	GR-COS		2	10	60	6	20
668	217	668217	Riverwash	GR-COS		2	14	60	6	20
668	217	668217	Whitewolf	GR-LCOS		1	0	10	6	20
668	217	668217	Whitewolf	GR-LCOS		1	0	14	6	20
668	217	668217	Whitewolf	GR-LCOS		2	10	60	6	20
668	217	668217	Whitewolf	GR-LCOS		2	14	60	6	20
668	220	668220	Aquents	VFSL		1	0	6	6	20
668	220	668220	Aquents	VFSL		2	6	60	6	20
668	220	668220	Aquents	VFSL		2	3	60	2	6
668	220	668220	Aquents	VFSL		2	7	60	2	6
668	220	668220	Aquolls	SIL		1	0	6	6	20
668	220	668220	Aquolls	SIL		2	6	60	6	20

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
668	220	668220	Aquolls	SIL		2	3	60	2	6
668	220	668220	Aquolls	SIL		2	7	60	2	6
668	220	668220	Riverwash	COS		1	0	6	6	20
668	220	668220	Riverwash	COS		2	6	60	6	20
668	220	668220	Riverwash	COS		2	3	60	2	6
668	220	668220	Riverwash	COS		2	7	60	2	6
668	221	668221	Alko	LCOS	THICK	1	0	1	6	20
668	221	668221	Alko	LCOS	THICK	2	1	15	2	6
668	221	668221	Alko	LCOS	THICK	4	28	60	2	6
668	222	668222	Kelval	FSL		1	0	13	2	6
668	222	668222	Kelval	FSL		2	13	60	2	6
668	223	668223	Kelval	ST-LS		1	0	13	6	20
668	223	668223	Kelval	ST-LS		2	13	60	2	6
668	224	668224	Inyo	GR-LCOS		1	0	12	6	20
668	224	668224	Inyo	GR-LCOS		2	12	60	6	20
668	238	668238	Cinco	GR-LS		1	0	3	6	20
668	238	668238	Cinco	GR-LS		2	3	60	6	20
668	240	668240	Dune Land	S		1	0	6	6	20
668	240	668240	Dune Land	S		2	6	60	6	20
668	241	668241	Inyo	GR-LCOS		1	0	8	6	20
668	241	668241	Inyo	GR-LCOS		2	8	60	6	20
668	242	668242	Inyo	GR-LCOS		1	0	6	6	20
668	242	668242	Inyo	GR-LCOS		2	6	60	6	20
668	245	668245	Chollawell	GR-LCOS		1	0	21	6	20
668	245	668245	Chollawell	GR-LCOS		2	21	46	2	6
668	245	668245	Chollawell	GR-LCOS		3	46	60	6	20
668	246	668246	Chollawell	GR-COSL		1	0	9	2	6
668	246	668246	Chollawell	GR-COSL		2	9	49	2	6
668	246	668246	Chollawell	GR-COSL		3	49	60	6	20
668	247	668247	Inyo	GR-LCOS		1	0	60	0.06	6
668	247	668247	Inyo	GR-LCOS		1	0	5	6	20
668	247	668247	Inyo	GR-LCOS		1	0	8	6	20
668	247	668247	Inyo	GR-LCOS		2	5	12	2	6
668	247	668247	Inyo	GR-LCOS		2	8	60	6	20
668	247	668247	Rock Outcrop	UWB		1	0	60	0.06	6
668	247	668247	Rock Outcrop	UWB		1	0	5	6	20
668	247	668247	Rock Outcrop	UWB		1	0	8	6	20
668	247	668247	Rock Outcrop	UWB		2	5	12	2	6
668	247	668247	Rock Outcrop	UWB		2	8	60	6	20
668	247	668247	Tips	GR-LCOS		1	0	60	0.06	6
668	247	668247	Tips	GR-LCOS		1	0	5	6	20
668	247	668247	Tips	GR-LCOS		1	0	8	6	20
668	247	668247	Tips	GR-LCOS		2	5	12	2	6
668	247	668247	Tips	GR-LCOS		2	8	60	6	20
668	249	668249	Hoffman	GR-LCOS		1	0	60	0.06	6
668	249	668249	Hoffman	GR-LCOS		1	0	11	6	20
668	249	668249	Hoffman	GR-LCOS		2	11	22	6	20
668	249	668249	Hoffman	GR-LCOS		3	22	34	2	6
668	249	668249	Rock Outcrop	UWB		1	0	60	0.06	6
668	249	668249	Rock Outcrop	UWB		1	0	11	6	20
668	249	668249	Rock Outcrop	UWB		2	11	22	6	20
668	249	668249	Rock Outcrop	UWB		3	22	34	2	6
668	250	668250	Hoffman	GR-LCOS		1	0	3	6	20
668	250	668250	Hoffman	GR-LCOS		1	0	5	6	20
668	250	668250	Hoffman	GR-LCOS		1	0	11	6	20
668	250	668250	Hoffman	GR-LCOS		2	3	38	6	20
668	250	668250	Hoffman	GR-LCOS		2	5	10	2	6
668	250	668250	Hoffman	GR-LCOS		2	11	22	6	20
668	250	668250	Hoffman	GR-LCOS		3	22	34	2	6
668	250	668250	Pilotwell	GR-LCOS		1	0	3	6	20
668	250	668250	Pilotwell	GR-LCOS		1	0	5	6	20
668	250	668250	Pilotwell	GR-LCOS		1	0	11	6	20
668	250	668250	Pilotwell	GR-LCOS		2	3	38	6	20
668	250	668250	Pilotwell	GR-LCOS		2	5	10	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
668	250	668250	Pilotwell	GR-LCOS		2	11	22	6	20
668	250	668250	Pilotwell	GR-LCOS		3	22	34	2	6
668	250	668250	Tips	GR-LCOS		1	0	3	6	20
668	250	668250	Tips	GR-LCOS		1	0	5	6	20
668	250	668250	Tips	GR-LCOS		1	0	11	6	20
668	250	668250	Tips	GR-LCOS		2	3	38	6	20
668	250	668250	Tips	GR-LCOS		2	5	10	2	6
668	250	668250	Tips	GR-LCOS		2	11	22	6	20
668	250	668250	Tips	GR-LCOS		3	22	34	2	6
668	253	668253	Martee	BYV-LCOS		1	0	60	0.06	6
668	253	668253	Martee	BYV-LCOS		1	0	5	6	20
668	253	668253	Martee	BYV-LCOS		1	0	9	6	20
668	253	668253	Martee	BYV-LCOS		2	5	11	6	20
668	253	668253	Martee	BYV-LCOS		2	9	23	2	6
668	253	668253	Rock Outcrop	UWB		1	0	60	0.06	6
668	253	668253	Rock Outcrop	UWB		1	0	5	6	20
668	253	668253	Rock Outcrop	UWB		1	0	9	6	20
668	253	668253	Rock Outcrop	UWB		2	5	11	6	20
668	253	668253	Rock Outcrop	UWB		2	9	23	2	6
668	253	668253	Sorrell	BY-LCOS		1	0	60	0.06	6
668	253	668253	Sorrell	BY-LCOS		1	0	5	6	20
668	253	668253	Sorrell	BY-LCOS		1	0	9	6	20
668	253	668253	Sorrell	BY-LCOS		2	5	11	6	20
668	253	668253	Sorrell	BY-LCOS		2	9	23	2	6
668	254	668254	Martee	BYV-LCOS		1	0	60	0.06	6
668	254	668254	Martee	BYV-LCOS		1	0	4	6	20
668	254	668254	Martee	BYV-LCOS		2	4	12	6	20
668	254	668254	Rock Outcrop	UWB		1	0	60	0.06	6
668	254	668254	Rock Outcrop	UWB		1	0	4	6	20
668	254	668254	Rock Outcrop	UWB		2	4	12	6	20
668	257	668257	Hoffman	GR-LCOS		1	0	60	0.06	6
668	257	668257	Hoffman	GR-LCOS		1	0	5	6	20
668	257	668257	Hoffman	GR-LCOS		1	0	11	6	20
668	257	668257	Hoffman	GR-LCOS		2	5	10	2	6
668	257	668257	Hoffman	GR-LCOS		2	11	22	6	20
668	257	668257	Hoffman	GR-LCOS		3	22	34	2	6
668	257	668257	Rock Outcrop	UWB		1	0	60	0.06	6
668	257	668257	Rock Outcrop	UWB		1	0	5	6	20
668	257	668257	Rock Outcrop	UWB		1	0	11	6	20
668	257	668257	Rock Outcrop	UWB		2	5	10	2	6
668	257	668257	Rock Outcrop	UWB		2	11	22	6	20
668	257	668257	Rock Outcrop	UWB		3	22	34	2	6
668	257	668257	Tips	GR-LCOS		1	0	60	0.06	6
668	257	668257	Tips	GR-LCOS		1	0	5	6	20
668	257	668257	Tips	GR-LCOS		1	0	11	6	20
668	257	668257	Tips	GR-LCOS		2	5	10	2	6
668	257	668257	Tips	GR-LCOS		2	11	22	6	20
668	257	668257	Tips	GR-LCOS		3	22	34	2	6
668	259	668259	Cowspring	GR-LCOS		1	0	3	6	20
668	259	668259	Cowspring	GR-LCOS		2	3	27	2	6
668	260	668260	Cowspring	GR-LCOS		1	0	60	0.06	6
668	260	668260	Cowspring	GR-LCOS		1	0	5	6	20
668	260	668260	Cowspring	GR-LCOS		1	0	3	6	20
668	260	668260	Cowspring	GR-LCOS		2	5	12	2	6
668	260	668260	Cowspring	GR-LCOS		2	3	27	2	6
668	260	668260	Rock Outcrop	UWB		1	0	60	0.06	6
668	260	668260	Rock Outcrop	UWB		1	0	5	6	20
668	260	668260	Rock Outcrop	UWB		1	0	3	6	20
668	260	668260	Rock Outcrop	UWB		2	5	12	2	6
668	260	668260	Rock Outcrop	UWB		2	3	27	2	6
668	260	668260	Tips	GR-LCOS		1	0	60	0.06	6
668	260	668260	Tips	GR-LCOS		1	0	5	6	20
668	260	668260	Tips	GR-LCOS		1	0	3	6	20
668	260	668260	Tips	GR-LCOS		2	5	12	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
668	260	668260	Tips	GR-LCOS		2	3	27	2	6
668	261	668261	Arujo	SL		1	0	16	2	6
668	261	668261	Arujo	SL		1	0	14	2	6
668	261	668261	Arujo	SL		1	0	9	2	6
668	261	668261	Blasingame	SL		1	0	16	2	6
668	261	668261	Blasingame	SL		1	0	14	2	6
668	261	668261	Blasingame	SL		1	0	9	2	6
668	261	668261	Cieneba	SL		1	0	16	2	6
668	261	668261	Cieneba	SL		1	0	14	2	6
668	261	668261	Cieneba	SL		1	0	9	2	6
668	263	668263	Jawbone	GR-LCOS		1	0	60	0.06	6
668	263	668263	Jawbone	GR-LCOS		1	0	11	6	20
668	263	668263	Rock Outcrop	UWB		1	0	60	0.06	6
668	263	668263	Rock Outcrop	UWB		1	0	11	6	20
668	264	668264	Arujo	SL		1	0	3	2	6
668	264	668264	Arujo	SL		1	0	13	2	6
668	264	668264	Arujo	SL		1	0	24	2	6
668	264	668264	Arujo	SL		2	3	16	0.6	6
668	264	668264	Arujo	SL		2	13	25	2	6
668	264	668264	Tunis	SL		1	0	3	2	6
668	264	668264	Tunis	SL		1	0	13	2	6
668	264	668264	Tunis	SL		1	0	24	2	6
668	264	668264	Tunis	SL		2	3	16	0.6	6
668	264	668264	Tunis	SL		2	13	25	2	6
668	264	668264	Walong	GR-SL		1	0	3	2	6
668	264	668264	Walong	GR-SL		1	0	13	2	6
668	264	668264	Walong	GR-SL		1	0	24	2	6
668	264	668264	Walong	GR-SL		2	3	16	0.6	6
668	264	668264	Walong	GR-SL		2	13	25	2	6
668	265	668265	Arujo	SL		1	0	14	2	6
668	266	668266	Rock Outcrop	UWB		1	0	60	0.06	6
668	266	668266	Rock Outcrop	UWB		1	0	3	2	6
668	266	668266	Rock Outcrop	UWB		2	3	16	0.6	6
668	266	668266	Tunis	SL		1	0	60	0.06	6
668	266	668266	Tunis	SL		1	0	3	2	6
668	266	668266	Tunis	SL		2	3	16	0.6	6
668	267	668267	Cieneba	SL		1	0	60	0.06	6
668	267	668267	Cieneba	SL		1	0	12	2	6
668	267	668267	Cieneba	SL		1	0	16	2	6
668	267	668267	Cieneba	SL		2	12	27	2	6
668	267	668267	Rock Outcrop	UWB		1	0	60	0.06	6
668	267	668267	Rock Outcrop	UWB		1	0	12	2	6
668	267	668267	Rock Outcrop	UWB		1	0	16	2	6
668	267	668267	Rock Outcrop	UWB		2	12	27	2	6
668	267	668267	Vista	SL		1	0	60	0.06	6
668	267	668267	Vista	SL		1	0	12	2	6
668	267	668267	Vista	SL		1	0	16	2	6
668	267	668267	Vista	SL		2	12	27	2	6
668	268	668268	Sorrell	BY-COSL		1	0	11	2	6
668	268	668268	Sorrell	BY-COSL		1	0	13	2	6
668	268	668268	Sorrell	BY-COSL		1	0	3	2	6
668	268	668268	Sorrell	BY-COSL		2	11	36	2	6
668	268	668268	Sorrell	BY-COSL		2	3	16	0.6	6
668	268	668268	Tollhouse	ST-COSL		1	0	11	2	6
668	268	668268	Tollhouse	ST-COSL		1	0	13	2	6
668	268	668268	Tollhouse	ST-COSL		1	0	3	2	6
668	268	668268	Tollhouse	ST-COSL		2	11	36	2	6
668	268	668268	Tollhouse	ST-COSL		2	3	16	0.6	6
668	268	668268	Tunis	SL		1	0	11	2	6
668	268	668268	Tunis	SL		1	0	13	2	6
668	268	668268	Tunis	SL		1	0	3	2	6
668	268	668268	Tunis	SL		2	11	36	2	6
668	268	668268	Tunis	SL		2	3	16	0.6	6
668	269	668269	Rock Outcrop	UWB		1	0	60	0.06	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
668	269	668269	Rock Outcrop	UWB		1	0	2	2	6
668	269	668269	Rock Outcrop	UWB		1	0	11	2	6
668	269	668269	Rock Outcrop	UWB		2	2	27	2	6
668	269	668269	Sorrell	BY-COSL		1	0	60	0.06	6
668	269	668269	Sorrell	BY-COSL		1	0	2	2	6
668	269	668269	Sorrell	BY-COSL		1	0	11	2	6
668	269	668269	Sorrell	BY-COSL		2	2	27	2	6
668	269	668269	Tollhouse	GR-SL		1	0	60	0.06	6
668	269	668269	Tollhouse	GR-SL		1	0	2	2	6
668	269	668269	Tollhouse	GR-SL		1	0	11	2	6
668	269	668269	Tollhouse	GR-SL		2	2	27	2	6
668	270	668270	Backcanyon	GR-COSL		1	0	9	2	6
668	270	668270	Backcanyon	GR-COSL		1	0	3	2	6
668	270	668270	Backcanyon	GR-COSL		1	0	3	2	6
668	270	668270	Backcanyon	GR-COSL		2	3	15	2	6
668	270	668270	Backcanyon	GR-COSL		2	3	13	2	6
668	270	668270	Backcanyon	GR-COSL		3	24	33	2	6
668	270	668270	Backcanyon	GR-COSL		3	13	28	2	6
668	270	668270	Locobill	SL		1	0	9	2	6
668	270	668270	Locobill	SL		1	0	3	2	6
668	270	668270	Locobill	SL		1	0	3	2	6
668	270	668270	Locobill	SL		2	3	15	2	6
668	270	668270	Locobill	SL		2	3	13	2	6
668	270	668270	Locobill	SL		3	24	33	2	6
668	270	668270	Locobill	SL		3	13	28	2	6
668	270	668270	Sesame	SL		1	0	9	2	6
668	270	668270	Sesame	SL		1	0	3	2	6
668	270	668270	Sesame	SL		1	0	3	2	6
668	270	668270	Sesame	SL		2	3	15	2	6
668	270	668270	Sesame	SL		2	3	13	2	6
668	270	668270	Sesame	SL		3	24	33	2	6
668	270	668270	Sesame	SL		3	13	28	2	6
668	271	668271	Rock Outcrop	UWB		1	0	60	0.06	6
668	271	668271	Rock Outcrop	UWB		1	0	18	2	6
668	271	668271	Rock Outcrop	UWB		1	0	30	2	6
668	271	668271	Tunis	SL		1	0	60	0.06	6
668	271	668271	Tunis	SL		1	0	18	2	6
668	271	668271	Tunis	SL		1	0	30	2	6
668	271	668271	Walong	GR-SL		1	0	60	0.06	6
668	271	668271	Walong	GR-SL		1	0	18	2	6
668	271	668271	Walong	GR-SL		1	0	30	2	6
668	272	668272	Edmundston	COSL		1	0	10	2	6
668	272	668272	Edmundston	COSL		1	0	25	2	6
668	272	668272	Edmundston	COSL		1	0	14	2	6
668	272	668272	Edmundston	COSL		2	25	57	2	6
668	272	668272	Edmundston	COSL		2	10	39	2	6
668	272	668272	Sorrell	GR-COSL		1	0	10	2	6
668	272	668272	Sorrell	GR-COSL		1	0	25	2	6
668	272	668272	Sorrell	GR-COSL		1	0	14	2	6
668	272	668272	Sorrell	GR-COSL		2	25	57	2	6
668	272	668272	Sorrell	GR-COSL		2	10	39	2	6
668	272	668272	Tollhouse	COSL		1	0	10	2	6
668	272	668272	Tollhouse	COSL		1	0	25	2	6
668	272	668272	Tollhouse	COSL		1	0	14	2	6
668	272	668272	Tollhouse	COSL		2	25	57	2	6
668	272	668272	Tollhouse	COSL		2	10	39	2	6
668	273	668273	Jawbone	GR-LCOS		1	0	10	6	20
668	274	668274	Rock Outcrop	UWB		1	0	60	0.06	6
668	274	668274	Rock Outcrop	UWB		1	0	7	2	6
668	274	668274	Rock Outcrop	UWB		1	0	9	2	6
668	274	668274	Rock Outcrop	UWB		3	19	24	2	6
668	274	668274	Sesame	SL		1	0	60	0.06	6
668	274	668274	Sesame	SL		1	0	7	2	6
668	274	668274	Sesame	SL		1	0	9	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
668	274	668274	Sesame	SL		3	19	24	2	6
668	274	668274	Tweedy	SL		1	0	60	0.06	6
668	274	668274	Tweedy	SL		1	0	7	2	6
668	274	668274	Tweedy	SL		1	0	9	2	6
668	274	668274	Tweedy	SL		3	19	24	2	6
668	275	668275	Sesame	SL		1	0	4	2	6
668	275	668275	Sesame	SL		1	0	14	2	6
668	275	668275	Sesame	SL		1	0	8	2	6
668	275	668275	Strahle	GR-SL		1	0	4	2	6
668	275	668275	Strahle	GR-SL		1	0	14	2	6
668	275	668275	Strahle	GR-SL		1	0	8	2	6
668	275	668275	Tweedy	SL		1	0	4	2	6
668	275	668275	Tweedy	SL		1	0	14	2	6
668	275	668275	Tweedy	SL		1	0	8	2	6
668	276	668276	Cinco	GR-LCOS		1	0	9	6	20
668	276	668276	Cinco	GR-LCOS		1	0	4	6	20
668	276	668276	Cinco	GR-LCOS		1	0	4	6	20
668	276	668276	Cinco	GR-LCOS		2	9	60	6	20
668	276	668276	Cinco	GR-LCOS		2	4	10	6	20
668	276	668276	Cinco	GR-LCOS		2	4	7	6	20
668	276	668276	Cinco	GR-LCOS		3	7	11	2	6
668	276	668276	Cinco	GR-LCOS		3	10	39	2	6
668	276	668276	Hoffman	GR-LCOS		1	0	9	6	20
668	276	668276	Hoffman	GR-LCOS		1	0	4	6	20
668	276	668276	Hoffman	GR-LCOS		1	0	4	6	20
668	276	668276	Hoffman	GR-LCOS		2	9	60	6	20
668	276	668276	Hoffman	GR-LCOS		2	4	10	6	20
668	276	668276	Hoffman	GR-LCOS		2	4	7	6	20
668	276	668276	Hoffman	GR-LCOS		3	7	11	2	6
668	276	668276	Hoffman	GR-LCOS		3	10	39	2	6
668	276	668276	Tips	GR-LCOS		1	0	9	6	20
668	276	668276	Tips	GR-LCOS		1	0	4	6	20
668	276	668276	Tips	GR-LCOS		1	0	4	6	20
668	276	668276	Tips	GR-LCOS		2	9	60	6	20
668	276	668276	Tips	GR-LCOS		2	4	10	6	20
668	276	668276	Tips	GR-LCOS		2	4	7	6	20
668	276	668276	Tips	GR-LCOS		3	7	11	2	6
668	276	668276	Tips	GR-LCOS		3	10	39	2	6
668	277	668277	Foothill	SL		1	0	18	2	6
668	277	668277	Foothill	SL		1	0	17	2	6
668	277	668277	Foothill	SL		1	0	4	2	6
668	277	668277	Foothill	SL		2	18	28	2	6
668	277	668277	Foothill	SL		2	17	28	2	6
668	277	668277	Vista	SL		1	0	18	2	6
668	277	668277	Vista	SL		1	0	17	2	6
668	277	668277	Vista	SL		1	0	4	2	6
668	277	668277	Vista	SL		2	18	28	2	6
668	277	668277	Vista	SL		2	17	28	2	6
668	277	668277	Walong	SL		1	0	18	2	6
668	277	668277	Walong	SL		1	0	17	2	6
668	277	668277	Walong	SL		1	0	4	2	6
668	277	668277	Walong	SL		2	18	28	2	6
668	277	668277	Walong	SL		2	17	28	2	6
668	278	668278	Jawbone	GR-LCOS		1	0	11	6	20
668	278	668278	Jawbone	GR-LCOS		1	0	4	6	20
668	278	668278	Jawbone	GR-LCOS		1	0	60	0.06	6
668	278	668278	Jawbone	GR-LCOS		2	4	14	2	6
668	278	668278	Rock Outcrop	UWB		1	0	11	6	20
668	278	668278	Rock Outcrop	UWB		1	0	4	6	20
668	278	668278	Rock Outcrop	UWB		1	0	60	0.06	6
668	278	668278	Rock Outcrop	UWB		2	4	14	2	6
668	278	668278	Tips	GR-LCOS		1	0	11	6	20
668	278	668278	Tips	GR-LCOS		1	0	4	6	20
668	278	668278	Tips	GR-LCOS		1	0	60	0.06	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
668	278	668278	Tips	GR-LCOS		2	4	14	2	6
668	279	668279	Rock Outcrop	UWB		1	0	9	2	6
668	279	668279	Rock Outcrop	UWB		1	0	60	0.06	6
668	279	668279	Rock Outcrop	UWB		1	0	6	2	6
668	279	668279	Rock Outcrop	UWB		3	24	34	2	6
668	279	668279	Sesame	SL		1	0	9	2	6
668	279	668279	Sesame	SL		1	0	60	0.06	6
668	279	668279	Sesame	SL		1	0	6	2	6
668	279	668279	Sesame	SL		3	24	34	2	6
668	279	668279	Strahle	GR-SL		1	0	9	2	6
668	279	668279	Strahle	GR-SL		1	0	60	0.06	6
668	279	668279	Strahle	GR-SL		1	0	6	2	6
668	279	668279	Strahle	GR-SL		3	24	34	2	6
668	280	668280	Edmundston	SL		1	0	12	2	6
668	280	668280	Edmundston	SL		1	0	5	6	20
668	280	668280	Edmundston	SL		1	0	12	2	6
668	280	668280	Edmundston	SL		2	12	44	2	6
668	280	668280	Edmundston	SL		2	5	11	6	20
668	280	668280	Martee	BYV-LCOS		1	0	12	2	6
668	280	668280	Martee	BYV-LCOS		1	0	5	6	20
668	280	668280	Martee	BYV-LCOS		1	0	12	2	6
668	280	668280	Martee	BYV-LCOS		2	12	44	2	6
668	280	668280	Martee	BYV-LCOS		2	5	11	6	20
668	280	668280	Tollhouse	SL		1	0	12	2	6
668	280	668280	Tollhouse	SL		1	0	5	6	20
668	280	668280	Tollhouse	SL		1	0	12	2	6
668	280	668280	Tollhouse	SL		2	12	44	2	6
668	280	668280	Tollhouse	SL		2	5	11	6	20
668	281	668281	Grangeville	FSL		1	0	10	2	6
668	281	668281	Grangeville	FSL		1	0	14	2	6
668	281	668281	Grangeville	FSL		1	0	13	2	6
668	281	668281	Grangeville	FSL		2	10	26	2	6
668	281	668281	Grangeville	FSL		2	14	29	2	6
668	281	668281	Grangeville	FSL		3	26	60	2	6
668	281	668281	Grangeville	FSL		3	29	60	2	6
668	281	668281	Havala	SL		1	0	10	2	6
668	281	668281	Havala	SL		1	0	14	2	6
668	281	668281	Havala	SL		1	0	13	2	6
668	281	668281	Havala	SL		2	10	26	2	6
668	281	668281	Havala	SL		2	14	29	2	6
668	281	668281	Havala	SL		3	26	60	2	6
668	281	668281	Havala	SL		3	29	60	2	6
668	281	668281	Walong	SL		1	0	10	2	6
668	281	668281	Walong	SL		1	0	14	2	6
668	281	668281	Walong	SL		1	0	13	2	6
668	281	668281	Walong	SL		2	10	26	2	6
668	281	668281	Walong	SL		2	14	29	2	6
668	281	668281	Walong	SL		3	26	60	2	6
668	281	668281	Walong	SL		3	29	60	2	6
668	282	668282	Friant	GR-SL		1	0	5	2	6
668	282	668282	Friant	GR-SL		1	0	15	2	6
668	282	668282	Friant	GR-SL		1	0	10	2	6
668	282	668282	Friant	GR-SL		2	5	15	2	6
668	282	668282	Sesame	SL		1	0	5	2	6
668	282	668282	Sesame	SL		1	0	15	2	6
668	282	668282	Sesame	SL		1	0	10	2	6
668	282	668282	Sesame	SL		2	5	15	2	6
668	282	668282	Tollhouse	ST-COSL		1	0	5	2	6
668	282	668282	Tollhouse	ST-COSL		1	0	15	2	6
668	282	668282	Tollhouse	ST-COSL		1	0	10	2	6
668	282	668282	Tollhouse	ST-COSL		2	5	15	2	6
668	283	668283	Martee	BYV-LCOS		1	0	60	0.06	6
668	283	668283	Martee	BYV-LCOS		1	0	5	6	20
668	283	668283	Martee	BYV-LCOS		1	0	12	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
668	283	668283	Martee	BYV-LCOS		2	5	11	6	20
668	283	668283	Rock Outcrop	UWB		1	0	60	0.06	6
668	283	668283	Rock Outcrop	UWB		1	0	5	6	20
668	283	668283	Rock Outcrop	UWB		1	0	12	2	6
668	283	668283	Rock Outcrop	UWB		2	5	11	6	20
668	283	668283	Tollhouse	GR-SL		1	0	60	0.06	6
668	283	668283	Tollhouse	GR-SL		1	0	5	6	20
668	283	668283	Tollhouse	GR-SL		1	0	12	2	6
668	283	668283	Tollhouse	GR-SL		2	5	11	6	20
668	284	668284	Rock Outcrop	UWB		1	0	60	0.06	6
668	284	668284	Rock Outcrop	UWB		1	0	14	2	6
668	284	668284	Tollhouse	BY-COSL		1	0	60	0.06	6
668	284	668284	Tollhouse	BY-COSL		1	0	14	2	6
668	285	668285	Inyo	GR-LCOS		1	0	7	6	20
668	285	668285	Inyo	GR-LCOS		1	0	12	6	20
668	285	668285	Inyo	GR-LCOS		2	7	60	2	6
668	285	668285	Inyo	GR-LCOS		2	12	60	6	20
668	285	668285	Kelval	LS		1	0	7	6	20
668	285	668285	Kelval	LS		1	0	12	6	20
668	285	668285	Kelval	LS		2	7	60	2	6
668	285	668285	Kelval	LS		2	12	60	6	20
668	286	668286	Locobill	SL		1	0	3	2	6
668	286	668286	Locobill	SL		1	0	11	2	6
668	286	668286	Locobill	SL		1	0	12	2	6
668	286	668286	Locobill	SL		2	3	28	2	6
668	286	668286	Tollhouse	SL		1	0	3	2	6
668	286	668286	Tollhouse	SL		1	0	11	2	6
668	286	668286	Tollhouse	SL		1	0	12	2	6
668	286	668286	Tollhouse	SL		2	3	28	2	6
668	286	668286	Tweedy	SL		1	0	3	2	6
668	286	668286	Tweedy	SL		1	0	11	2	6
668	286	668286	Tweedy	SL		1	0	12	2	6
668	286	668286	Tweedy	SL		2	3	28	2	6
668	287	668287	Sesame	SL		1	0	8	2	6
668	287	668287	Sesame	SL		1	0	5	2	6
668	287	668287	Sesame	SL		1	0	16	2	6
668	287	668287	Strahle	GR-SL		1	0	8	2	6
668	287	668287	Strahle	GR-SL		1	0	5	2	6
668	287	668287	Strahle	GR-SL		1	0	16	2	6
668	287	668287	Tweedy	SL		1	0	8	2	6
668	287	668287	Tweedy	SL		1	0	5	2	6
668	287	668287	Tweedy	SL		1	0	16	2	6
668	288	668288	Arujo	SL		1	0	60	0.06	6
668	288	668288	Arujo	SL		1	0	23	2	6
668	288	668288	Arujo	SL		1	0	9	6	20
668	288	668288	Arujo	SL		2	9	23	2	6
668	288	668288	Rock Outcrop	UWB		1	0	60	0.06	6
668	288	668288	Rock Outcrop	UWB		1	0	23	2	6
668	288	668288	Rock Outcrop	UWB		1	0	9	6	20
668	288	668288	Rock Outcrop	UWB		2	9	23	2	6
668	288	668288	Sorrell	BY-LCOS		1	0	60	0.06	6
668	288	668288	Sorrell	BY-LCOS		1	0	23	2	6
668	288	668288	Sorrell	BY-LCOS		1	0	9	6	20
668	288	668288	Sorrell	BY-LCOS		2	9	23	2	6
668	289	668289	Erskine	LCOS		1	0	60	0.06	6
668	289	668289	Erskine	LCOS		1	0	5	2	6
668	289	668289	Erskine	LCOS		1	0	8	6	20
668	289	668289	Erskine	LCOS		2	5	14	2	6
668	289	668289	Erskine	LCOS		2	8	18	2	6
668	289	668289	Hyte	GR-SL		1	0	60	0.06	6
668	289	668289	Hyte	GR-SL		1	0	5	2	6
668	289	668289	Hyte	GR-SL		1	0	8	6	20
668	289	668289	Hyte	GR-SL		2	5	14	2	6
668	289	668289	Hyte	GR-SL		2	8	18	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
668	289	668289	Rock Outcrop	UWB		1	0	60	0.06	6
668	289	668289	Rock Outcrop	UWB		1	0	5	2	6
668	289	668289	Rock Outcrop	UWB		1	0	8	6	20
668	289	668289	Rock Outcrop	UWB		2	5	14	2	6
668	289	668289	Rock Outcrop	UWB		2	8	18	2	6
668	290	668290	Alko	LCOS	THICK	1	0	1	6	20
668	290	668290	Alko	LCOS	THICK	2	1	15	2	6
668	290	668290	Alko	LCOS	THICK	4	28	60	2	6
668	290	668290	Urban Land	VAR		1	0	1	6	20
668	290	668290	Urban Land	VAR		2	1	15	2	6
668	290	668290	Urban Land	VAR		4	28	60	2	6
668	291	668291	Cajon	LS		1	0	10	6	20
668	291	668291	Cajon	LS		2	10	51	6	20
668	291	668291	Cajon	LS		3	51	56	6	20
668	291	668291	Cajon	LS		4	56	60	6	20
668	291	668291	Urban Land	VAR		1	0	10	6	20
668	291	668291	Urban Land	VAR		2	10	51	6	20
668	291	668291	Urban Land	VAR		3	51	56	6	20
668	291	668291	Urban Land	VAR		4	56	60	6	20
668	292	668292	Lewkalb	S	THICK	1	0	12	6	20
668	292	668292	Lewkalb	S	THICK	2	12	28	6	20
668	292	668292	Urban Land	VAR		1	0	12	6	20
668	292	668292	Urban Land	VAR		2	12	28	6	20
668	294	668294	Edmundston	SL		1	0	13	2	6
668	294	668294	Edmundston	SL		1	0	10	2	6
668	294	668294	Edmundston	SL		1	0	26	2	6
668	294	668294	Edmundston	SL		2	13	25	2	6
668	294	668294	Edmundston	SL		2	26	59	2	6
668	294	668294	Tweedy	SL		1	0	13	2	6
668	294	668294	Tweedy	SL		1	0	10	2	6
668	294	668294	Tweedy	SL		1	0	26	2	6
668	294	668294	Tweedy	SL		2	13	25	2	6
668	294	668294	Tweedy	SL		2	26	59	2	6
668	294	668294	Walong	SL		1	0	13	2	6
668	294	668294	Walong	SL		1	0	10	2	6
668	294	668294	Walong	SL		1	0	26	2	6
668	294	668294	Walong	SL		2	13	25	2	6
668	294	668294	Walong	SL		2	26	59	2	6
668	295	668295	Rankor	SL		1	0	5	2	6
668	295	668295	Rankor	SL		1	0	5	2	6
668	295	668295	Rankor	SL		1	0	4	2	6
668	295	668295	Rankor	SL		2	5	14	0.6	6
668	295	668295	Tunis	SL		1	0	5	2	6
668	295	668295	Tunis	SL		1	0	5	2	6
668	295	668295	Tunis	SL		1	0	4	2	6
668	295	668295	Tunis	SL		2	5	14	0.6	6
668	295	668295	Tweedy	SL		1	0	5	2	6
668	295	668295	Tweedy	SL		1	0	5	2	6
668	295	668295	Tweedy	SL		1	0	4	2	6
668	295	668295	Tweedy	SL		2	5	14	0.6	6
668	296	668296	Arujo	SL		1	0	7	2	6
668	296	668296	Arujo	SL		1	0	17	2	6
668	296	668296	Arujo	SL		1	0	17	2	6
668	296	668296	Arujo	SL		2	7	14	0.6	6
668	296	668296	Arujo	SL		2	17	39	2	6
668	296	668296	Tunis	SL		1	0	7	2	6
668	296	668296	Tunis	SL		1	0	17	2	6
668	296	668296	Tunis	SL		1	0	17	2	6
668	296	668296	Tunis	SL		2	7	14	0.6	6
668	296	668296	Tunis	SL		2	17	39	2	6
668	296	668296	Walong	GR-SL		1	0	7	2	6
668	296	668296	Walong	GR-SL		1	0	17	2	6
668	296	668296	Walong	GR-SL		1	0	17	2	6
668	296	668296	Walong	GR-SL		2	7	14	0.6	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
668	296	668296	Walong	GR-SL		2	17	39	2	6
668	297	668297	Blasingame	SL		1	0	60	0.06	6
668	297	668297	Blasingame	SL		1	0	5	2	6
668	297	668297	Blasingame	SL		1	0	11	2	6
668	297	668297	Blasingame	SL		2	11	32	2	6
668	297	668297	Rock Outcrop	UWB		1	0	60	0.06	6
668	297	668297	Rock Outcrop	UWB		1	0	5	2	6
668	297	668297	Rock Outcrop	UWB		1	0	11	2	6
668	297	668297	Rock Outcrop	UWB		2	11	32	2	6
668	297	668297	Walong	SL		1	0	60	0.06	6
668	297	668297	Walong	SL		1	0	5	2	6
668	297	668297	Walong	SL		1	0	11	2	6
668	297	668297	Walong	SL		2	11	32	2	6
668	298	668298	Arujo	SL		1	0	4	2	6
668	298	668298	Arujo	SL		1	0	4	2	6
668	298	668298	Arujo	SL		1	0	12	2	6
668	298	668298	Arujo	SL		3	14	28	2	6
668	298	668298	Foothill	SL		1	0	4	2	6
668	298	668298	Foothill	SL		1	0	4	2	6
668	298	668298	Foothill	SL		1	0	12	2	6
668	298	668298	Foothill	SL		3	14	28	2	6
668	298	668298	Sesame	SL		1	0	4	2	6
668	298	668298	Sesame	SL		1	0	4	2	6
668	298	668298	Sesame	SL		1	0	12	2	6
668	298	668298	Sesame	SL		3	14	28	2	6
668	300	668300	Kiscove	GR-L		1	0	4	2	6
668	300	668300	Stineway	GRV-SL		1	0	4	2	6
668	301	668301	Foothill	SL		1	0	60	0.06	6
668	301	668301	Foothill	SL		1	0	4	2	6
668	301	668301	Foothill	SL		1	0	8	2	6
668	301	668301	Foothill	SL		2	4	22	2	6
668	301	668301	Rock Outcrop	UWB		1	0	60	0.06	6
668	301	668301	Rock Outcrop	UWB		1	0	4	2	6
668	301	668301	Rock Outcrop	UWB		1	0	8	2	6
668	301	668301	Rock Outcrop	UWB		2	4	22	2	6
668	301	668301	Vista	SL		1	0	60	0.06	6
668	301	668301	Vista	SL		1	0	4	2	6
668	301	668301	Vista	SL		1	0	8	2	6
668	301	668301	Vista	SL		2	4	22	2	6
668	302	668302	Cibo	CL		1	0	15	2	6
668	302	668302	Cieneba	SL		1	0	15	2	6
668	302	668302	Foothill	L		1	0	15	2	6
668	306	668306	Riverwash	COS		1	0	6	6	20
668	306	668306	Riverwash	COS		2	6	60	6	20
668	306	668306	Riverwash	COS		2	6	50	0.2	6
668	306	668306	Riverwash	COS		3	50	60	6	20
668	306	668306	Xerofluvents	L		1	0	6	6	20
668	306	668306	Xerofluvents	L		2	6	60	6	20
668	306	668306	Xerofluvents	L		2	6	50	0.2	6
668	306	668306	Xerofluvents	L		3	50	60	6	20
668	307	668307	Tujunga	LS		1	0	6	6	20
668	307	668307	Tujunga	LS		2	6	60	6	20
668	308	668308	Edmundston	SL		1	0	4	2	6
668	308	668308	Edmundston	SL		1	0	23	2	6
668	308	668308	Edmundston	SL		1	0	4	2	6
668	308	668308	Edmundston	SL		2	23	48	2	6
668	308	668308	Rankor	SL		1	0	4	2	6
668	308	668308	Rankor	SL		1	0	23	2	6
668	308	668308	Rankor	SL		1	0	4	2	6
668	308	668308	Rankor	SL		2	23	48	2	6
668	308	668308	Tweedy	SL		1	0	4	2	6
668	308	668308	Tweedy	SL		1	0	23	2	6
668	308	668308	Tweedy	SL		1	0	4	2	6
668	308	668308	Tweedy	SL		2	23	48	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
668	309	668309	Edmundston	SL		1	0	4	2	6
668	309	668309	Edmundston	SL		1	0	23	2	6
668	309	668309	Edmundston	SL		1	0	4	2	6
668	309	668309	Edmundston	SL		2	23	48	2	6
668	309	668309	Rankor	SL		1	0	4	2	6
668	309	668309	Rankor	SL		1	0	23	2	6
668	309	668309	Rankor	SL		1	0	4	2	6
668	309	668309	Rankor	SL		2	23	48	2	6
668	309	668309	Tweedy	SL		1	0	4	2	6
668	309	668309	Tweedy	SL		1	0	23	2	6
668	309	668309	Tweedy	SL		1	0	4	2	6
668	309	668309	Tweedy	SL		2	23	48	2	6
668	310	668310	Kiscove	GR-SL		1	0	2	2	6
668	310	668310	Kiscove	GR-SL		1	0	4	2	6
668	310	668310	Stineway	GR-SL		1	0	2	2	6
668	310	668310	Stineway	GR-SL		1	0	4	2	6
668	320	668320	Southlake	GR-SL		1	0	4	2	6
668	320	668320	Southlake	GR-SL		2	4	19	2	6
668	320	668320	Southlake	GR-SL		4	42	60	2	6
668	330	668330	Faycreek	GR-LCOS		1	0	60	0.06	6
668	330	668330	Faycreek	GR-LCOS		1	0	5	6	20
668	330	668330	Faycreek	GR-LCOS		1	0	16	6	20
668	330	668330	Faycreek	GR-LCOS		2	5	12	6	20
668	330	668330	Kernville	GR-LCOS		1	0	60	0.06	6
668	330	668330	Kernville	GR-LCOS		1	0	5	6	20
668	330	668330	Kernville	GR-LCOS		1	0	16	6	20
668	330	668330	Kernville	GR-LCOS		2	5	12	6	20
668	330	668330	Rock Outcrop	UWB		1	0	60	0.06	6
668	330	668330	Rock Outcrop	UWB		1	0	5	6	20
668	330	668330	Rock Outcrop	UWB		1	0	16	6	20
668	330	668330	Rock Outcrop	UWB		2	5	12	6	20
668	350	668350	Goodale	CBV-LCOS		1	0	6	2	6
668	350	668350	Goodale	CBV-LCOS		1	0	3	6	20
668	350	668350	Goodale	CBV-LCOS		1	0	6	2	6
668	350	668350	Goodale	CBV-LCOS		2	3	60	6	20
668	350	668350	Southlake	ST-SL		1	0	6	2	6
668	350	668350	Southlake	ST-SL		1	0	3	6	20
668	350	668350	Southlake	ST-SL		1	0	6	2	6
668	350	668350	Southlake	GR-SL		1	0	6	2	6
668	350	668350	Southlake	GR-SL		1	0	3	6	20
668	350	668350	Southlake	GR-SL		1	0	6	2	6
668	350	668350	Southlake	ST-SL		2	3	60	6	20
668	350	668350	Southlake	GR-SL		2	3	60	6	20
668	352	668352	Goodale	BY-LCOS		1	0	6	6	20
668	352	668352	Goodale	BY-LCOS		1	0	12	6	20
668	352	668352	Goodale	BY-LCOS		2	6	60	6	20
668	352	668352	Goodale	BY-LCOS		2	12	60	6	20
668	352	668352	Riverwash	GRV-COS		1	0	6	6	20
668	352	668352	Riverwash	GRV-COS		1	0	12	6	20
668	352	668352	Riverwash	GRV-COS		2	6	60	6	20
668	352	668352	Riverwash	GRV-COS		2	12	60	6	20
668	360	668360	Hogeye	GR-COSL		1	0	6	2	6
668	360	668360	Hogeye	GR-COSL		1	0	2	2	6
668	360	668360	Hogeye	GR-COSL		1	0	16	6	20
668	360	668360	Hogeye	GR-COSL		2	2	29	2	6
668	360	668360	Kernville	BY-LCOS		1	0	6	2	6
668	360	668360	Kernville	BY-LCOS		1	0	2	2	6
668	360	668360	Kernville	BY-LCOS		1	0	16	6	20
668	360	668360	Kernville	BY-LCOS		2	2	29	2	6
668	360	668360	Southlake	ST-SL		1	0	6	2	6
668	360	668360	Southlake	ST-SL		1	0	2	2	6
668	360	668360	Southlake	ST-SL		1	0	16	6	20
668	360	668360	Southlake	ST-SL		2	2	29	2	6
668	501	668501	Erskine	SL		1	0	11	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
668	501	668501	Erskine	SL		1	0	4	2	6
668	501	668501	Erskine	SL		1	0	4	2	6
668	501	668501	Erskine	SL		2	11	36	2	6
668	501	668501	Erskine	SL		2	4	13	2	6
668	501	668501	Erskine	SL		2	4	17	2	6
668	501	668501	Hyte	GR-COSL		1	0	11	2	6
668	501	668501	Hyte	GR-COSL		1	0	4	2	6
668	501	668501	Hyte	GR-COSL		1	0	4	2	6
668	501	668501	Hyte	GR-COSL		2	11	36	2	6
668	501	668501	Hyte	GR-COSL		2	4	13	2	6
668	501	668501	Hyte	GR-COSL		2	4	17	2	6
668	501	668501	Sorrell	GR-COSL		1	0	11	2	6
668	501	668501	Sorrell	GR-COSL		1	0	4	2	6
668	501	668501	Sorrell	GR-COSL		1	0	4	2	6
668	501	668501	Sorrell	GR-COSL		2	11	36	2	6
668	501	668501	Sorrell	GR-COSL		2	4	13	2	6
668	501	668501	Sorrell	GR-COSL		2	4	17	2	6
668	503	668503	Erskine	GR-COSL		1	0	60	0.06	6
668	503	668503	Erskine	GR-COSL		1	0	8	2	6
668	503	668503	Erskine	GR-COSL		1	0	5	6	20
668	503	668503	Erskine	GR-COSL		2	8	18	2	6
668	503	668503	Erskine	GR-COSL		2	5	14	2	6
668	503	668503	Rock Outcrop	UWB		1	0	60	0.06	6
668	503	668503	Rock Outcrop	UWB		1	0	8	2	6
668	503	668503	Rock Outcrop	UWB		1	0	5	6	20
668	503	668503	Rock Outcrop	UWB		2	8	18	2	6
668	503	668503	Rock Outcrop	UWB		2	5	14	2	6
668	503	668503	Tips	BY-LCOS		1	0	60	0.06	6
668	503	668503	Tips	BY-LCOS		1	0	8	2	6
668	503	668503	Tips	BY-LCOS		1	0	5	6	20
668	503	668503	Tips	BY-LCOS		2	8	18	2	6
668	503	668503	Tips	BY-LCOS		2	5	14	2	6
668	505	668505	Chollawell	GR-LCOS		1	0	19	6	20
668	505	668505	Chollawell	GR-LCOS		2	19	54	2	6
668	505	668505	Chollawell	GR-LCOS		3	54	60	6	20
668	507	668507	Canebrake	GR-LCOS		1	0	3	6	20
668	507	668507	Canebrake	GR-LCOS		1	0	7	6	20
668	507	668507	Canebrake	GR-LCOS		1	0	2	6	20
668	507	668507	Canebrake	GR-LCOS		2	3	38	6	20
668	507	668507	Canebrake	GR-LCOS		2	7	17	6	20
668	507	668507	Canebrake	GR-LCOS		2	2	11	6	20
668	507	668507	Pilotwell	GR-LCOS		1	0	3	6	20
668	507	668507	Pilotwell	GR-LCOS		1	0	7	6	20
668	507	668507	Pilotwell	GR-LCOS		1	0	2	6	20
668	507	668507	Pilotwell	GR-LCOS		2	3	38	6	20
668	507	668507	Pilotwell	GR-LCOS		2	7	17	6	20
668	507	668507	Pilotwell	GR-LCOS		2	2	11	6	20
668	507	668507	Xyno	GR-LCOS		1	0	3	6	20
668	507	668507	Xyno	GR-LCOS		1	0	7	6	20
668	507	668507	Xyno	GR-LCOS		1	0	2	6	20
668	507	668507	Xyno	GR-LCOS		2	3	38	6	20
668	507	668507	Xyno	GR-LCOS		2	7	17	6	20
668	507	668507	Xyno	GR-LCOS		2	2	11	6	20
668	508	668508	Pilotwell	GR-LCOS		1	0	60	0.06	6
668	508	668508	Pilotwell	GR-LCOS		1	0	11	6	20
668	508	668508	Pilotwell	GR-LCOS		1	0	5	6	20
668	508	668508	Pilotwell	GR-LCOS		2	5	25	6	20
668	508	668508	Rock Outcrop	UWB		1	0	60	0.06	6
668	508	668508	Rock Outcrop	UWB		1	0	11	6	20
668	508	668508	Rock Outcrop	UWB		1	0	5	6	20
668	508	668508	Rock Outcrop	UWB		2	5	25	6	20
668	508	668508	Xyno	GR-LCOS		1	0	60	0.06	6
668	508	668508	Xyno	GR-LCOS		1	0	11	6	20
668	508	668508	Xyno	GR-LCOS		1	0	5	6	20

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
668	508	668508	Xyno	GR-LCOS		2	5	25	6	20
668	509	668509	Faycreek	BY-LCOS		1	0	60	0.06	6
668	509	668509	Faycreek	BY-LCOS		1	0	2	6	20
668	509	668509	Faycreek	BY-LCOS		1	0	4	6	20
668	509	668509	Faycreek	BY-LCOS		2	2	10	6	20
668	509	668509	Faycreek	BY-LCOS		2	4	11	6	20
668	509	668509	Rock Outcrop	UWB		1	0	60	0.06	6
668	509	668509	Rock Outcrop	UWB		1	0	2	6	20
668	509	668509	Rock Outcrop	UWB		1	0	4	6	20
668	509	668509	Rock Outcrop	UWB		2	2	10	6	20
668	509	668509	Rock Outcrop	UWB		2	4	11	6	20
668	509	668509	Xyno	BY-LCOS		1	0	60	0.06	6
668	509	668509	Xyno	BY-LCOS		1	0	2	6	20
668	509	668509	Xyno	BY-LCOS		1	0	4	6	20
668	509	668509	Xyno	BY-LCOS		2	2	10	6	20
668	509	668509	Xyno	BY-LCOS		2	4	11	6	20
668	510	668510	Canebrake	GR-LCOS		1	0	5	6	20
668	510	668510	Canebrake	GR-LCOS		1	0	7	6	20
668	510	668510	Canebrake	GR-LCOS		1	0	11	6	20
668	510	668510	Canebrake	GR-LCOS		2	5	25	6	20
668	510	668510	Canebrake	GR-LCOS		2	7	17	6	20
668	510	668510	Pilotwell	GR-LCOS		1	0	5	6	20
668	510	668510	Pilotwell	GR-LCOS		1	0	7	6	20
668	510	668510	Pilotwell	GR-LCOS		1	0	11	6	20
668	510	668510	Pilotwell	GR-LCOS		2	5	25	6	20
668	510	668510	Pilotwell	GR-LCOS		2	7	17	6	20
668	510	668510	Xyno	GR-LCOS		1	0	5	6	20
668	510	668510	Xyno	GR-LCOS		1	0	7	6	20
668	510	668510	Xyno	GR-LCOS		1	0	11	6	20
668	510	668510	Xyno	GR-LCOS		2	5	25	6	20
668	510	668510	Xyno	GR-LCOS		2	7	17	6	20
668	512	668512	Chollawell	GR-SL		1	0	22	2	6
668	512	668512	Chollawell	GR-SL		2	22	40	2	6
668	512	668512	Chollawell	GR-SL		3	40	60	2	6
668	514	668514	Chollawell	GR-LCOS		1	0	1	6	20
668	514	668514	Chollawell	GR-LCOS		1	0	19	6	20
668	514	668514	Chollawell	GR-LCOS		2	1	60	6	20
668	514	668514	Chollawell	GR-LCOS		2	19	54	2	6
668	514	668514	Chollawell	GR-LCOS		3	54	60	6	20
668	514	668514	Inyo	LCOS		1	0	1	6	20
668	514	668514	Inyo	LCOS		1	0	19	6	20
668	514	668514	Inyo	LCOS		2	1	60	6	20
668	514	668514	Inyo	LCOS		2	19	54	2	6
668	514	668514	Inyo	LCOS		3	54	60	6	20
668	515	668515	Canebrake	GR-LCOS		1	0	2	6	20
668	515	668515	Canebrake	GR-LCOS		1	0	3	6	20
668	515	668515	Canebrake	GR-LCOS		1	0	3	6	20
668	515	668515	Canebrake	GR-LCOS		2	2	11	6	20
668	515	668515	Canebrake	GR-LCOS		2	3	13	6	20
668	515	668515	Canebrake	GR-LCOS		2	3	10	6	20
668	515	668515	Scodie	GR-LCOS		1	0	2	6	20
668	515	668515	Scodie	GR-LCOS		1	0	3	6	20
668	515	668515	Scodie	GR-LCOS		1	0	3	6	20
668	515	668515	Scodie	GR-LCOS		2	2	11	6	20
668	515	668515	Scodie	GR-LCOS		2	3	13	6	20
668	515	668515	Scodie	GR-LCOS		2	3	10	6	20
668	515	668515	Xyno	GR-LCOS		1	0	2	6	20
668	515	668515	Xyno	GR-LCOS		1	0	3	6	20
668	515	668515	Xyno	GR-LCOS		1	0	3	6	20
668	515	668515	Xyno	GR-LCOS		2	2	11	6	20
668	515	668515	Xyno	GR-LCOS		2	3	13	6	20
668	515	668515	Xyno	GR-LCOS		2	3	10	6	20
668	516	668516	Canebrake	BY-LCOS		1	0	3	6	20
668	516	668516	Canebrake	BY-LCOS		1	0	60	0.06	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
668	516	668516	Canebrake	BY-LCOS		1	0	2	6	20
668	516	668516	Canebrake	BY-LCOS		2	3	12	6	20
668	516	668516	Canebrake	BY-LCOS		2	2	11	6	20
668	516	668516	Rock Outcrop	UWB		1	0	3	6	20
668	516	668516	Rock Outcrop	UWB		1	0	60	0.06	6
668	516	668516	Rock Outcrop	UWB		1	0	2	6	20
668	516	668516	Rock Outcrop	UWB		2	3	12	6	20
668	516	668516	Rock Outcrop	UWB		2	2	11	6	20
668	516	668516	Xyno	BY-LCOS		1	0	3	6	20
668	516	668516	Xyno	BY-LCOS		1	0	60	0.06	6
668	516	668516	Xyno	BY-LCOS		1	0	2	6	20
668	516	668516	Xyno	BY-LCOS		2	3	12	6	20
668	516	668516	Xyno	BY-LCOS		2	2	11	6	20
668	517	668517	Goodale	CBV-LCOS		1	0	8	6	20
668	517	668517	Goodale	CBV-LCOS		1	0	6	2	6
668	517	668517	Goodale	CBV-LCOS		1	0	6	2	6
668	517	668517	Goodale	CBV-LCOS		2	8	60	6	20
668	517	668517	Goodale	CBV-LCOS		2	6	19	2	6
668	517	668517	Goodale	CBV-LCOS		2	6	15	2	6
668	517	668517	Goodale	CBV-LCOS		4	42	60	2	6
668	517	668517	Southlake	ST-SL		1	0	8	6	20
668	517	668517	Southlake	ST-SL		1	0	6	2	6
668	517	668517	Southlake	ST-SL		1	0	6	2	6
668	517	668517	Southlake	GR-SL		1	0	8	6	20
668	517	668517	Southlake	GR-SL		1	0	6	2	6
668	517	668517	Southlake	GR-SL		1	0	6	2	6
668	517	668517	Southlake	ST-SL		2	8	60	6	20
668	517	668517	Southlake	ST-SL		2	6	19	2	6
668	517	668517	Southlake	ST-SL		2	6	15	2	6
668	517	668517	Southlake	GR-SL		2	8	60	6	20
668	517	668517	Southlake	GR-SL		2	6	19	2	6
668	517	668517	Southlake	GR-SL		2	6	15	2	6
668	517	668517	Southlake	ST-SL		4	42	60	2	6
668	517	668517	Southlake	GR-SL		4	42	60	2	6
668	518	668518	Backcanyon	GR-COSL		1	0	60	0.06	6
668	518	668518	Backcanyon	GR-COSL		1	0	2	2	6
668	518	668518	Backcanyon	GR-COSL		2	2	11	2	6
668	518	668518	Rock Outcrop	UWB		1	0	60	0.06	6
668	518	668518	Rock Outcrop	UWB		1	0	2	2	6
668	518	668518	Rock Outcrop	UWB		2	2	11	2	6
668	520	668520	Hogeye	COSL		1	0	20	2	6
668	520	668520	Hogeye	COSL		1	0	5	6	20
668	520	668520	Hogeye	COSL		2	20	29	2	6
668	520	668520	Hogeye	COSL		2	5	16	6	20
668	520	668520	Kernville	GR-LCOS		1	0	20	2	6
668	520	668520	Kernville	GR-LCOS		1	0	5	6	20
668	520	668520	Kernville	GR-LCOS		2	20	29	2	6
668	520	668520	Kernville	GR-LCOS		2	5	16	6	20
668	523	668523	Faycreek	BY-LCOS		1	0	60	0.06	6
668	523	668523	Faycreek	BY-LCOS		1	0	5	6	20
668	523	668523	Faycreek	BY-LCOS		1	0	16	6	20
668	523	668523	Faycreek	BY-LCOS		2	5	12	6	20
668	523	668523	Kernville	BY-LCOS		1	0	60	0.06	6
668	523	668523	Kernville	BY-LCOS		1	0	5	6	20
668	523	668523	Kernville	BY-LCOS		1	0	16	6	20
668	523	668523	Kernville	BY-LCOS		2	5	12	6	20
668	523	668523	Rock Outcrop	UWB		1	0	60	0.06	6
668	523	668523	Rock Outcrop	UWB		1	0	5	6	20
668	523	668523	Rock Outcrop	UWB		1	0	16	6	20
668	523	668523	Rock Outcrop	UWB		2	5	12	6	20
668	525	668525	Hogeye	COSL		1	0	2	2	6
668	525	668525	Hogeye	COSL		1	0	5	6	20
668	525	668525	Hogeye	COSL		1	0	19	2	6
668	525	668525	Hogeye	COSL		2	2	29	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
668	525	668525	Hogeye	COSL		2	5	16	6	20
668	525	668525	Hogeye	COSL		2	19	26	2	6
668	525	668525	Hungrygulch	COSL		1	0	2	2	6
668	525	668525	Hungrygulch	COSL		1	0	5	6	20
668	525	668525	Hungrygulch	COSL		1	0	19	2	6
668	525	668525	Hungrygulch	COSL		2	2	29	2	6
668	525	668525	Hungrygulch	COSL		2	5	16	6	20
668	525	668525	Hungrygulch	COSL		2	19	26	2	6
668	525	668525	Kernville	GR-LCOS		1	0	2	2	6
668	525	668525	Kernville	GR-LCOS		1	0	5	6	20
668	525	668525	Kernville	GR-LCOS		1	0	19	2	6
668	525	668525	Kernville	GR-LCOS		2	2	29	2	6
668	525	668525	Kernville	GR-LCOS		2	5	16	6	20
668	525	668525	Kernville	GR-LCOS		2	19	26	2	6
668	531	668531	Alberti	GR-CL		1	0	7	2	6
668	531	668531	Alberti	GR-CL		1	0	11	2	6
668	531	668531	Alberti	GR-CL		2	7	19	2	6
668	531	668531	Erskine	GR-SL		1	0	7	2	6
668	531	668531	Erskine	GR-SL		1	0	11	2	6
668	531	668531	Erskine	GR-SL		2	7	19	2	6
668	531	668531	Tweedy	SL		1	0	7	2	6
668	531	668531	Tweedy	SL		1	0	11	2	6
668	531	668531	Tweedy	SL		2	7	19	2	6
668	540	668540	Canebrake	GR-LCOS		1	0	3	6	20
668	540	668540	Canebrake	GR-LCOS		1	0	10	6	20
668	540	668540	Canebrake	GR-LCOS		2	3	26	6	20
668	540	668540	Canebrake	GR-LCOS		2	10	16	6	20
668	540	668540	Lachim	GR-LCOS		1	0	3	6	20
668	540	668540	Lachim	GR-LCOS		1	0	10	6	20
668	540	668540	Lachim	GR-LCOS		2	3	26	6	20
668	540	668540	Lachim	GR-LCOS		2	10	16	6	20
668	541	668541	Canebrake	GR-LCOS		1	0	60	0.06	6
668	541	668541	Canebrake	GR-LCOS		1	0	6	6	20
668	541	668541	Canebrake	GR-LCOS		1	0	8	6	20
668	541	668541	Canebrake	GR-LCOS		2	6	16	6	20
668	541	668541	Canebrake	GR-LCOS		3	16	26	6	20
668	541	668541	Lachim	LS		1	0	60	0.06	6
668	541	668541	Lachim	LS		1	0	6	6	20
668	541	668541	Lachim	LS		1	0	8	6	20
668	541	668541	Lachim	LS		2	6	16	6	20
668	541	668541	Lachim	LS		3	16	26	6	20
668	541	668541	Rock Outcrop	UWB		1	0	60	0.06	6
668	541	668541	Rock Outcrop	UWB		1	0	6	6	20
668	541	668541	Rock Outcrop	UWB		1	0	8	6	20
668	541	668541	Rock Outcrop	UWB		2	6	16	6	20
668	541	668541	Rock Outcrop	UWB		3	16	26	6	20
668	543	668543	Indiano	CB-SL		1	0	60	0.06	6
668	543	668543	Indiano	CB-SL		1	0	6	2	6
668	543	668543	Indiano	CB-SL		1	0	5	2	6
668	543	668543	Indiano	CB-SL		2	5	10	2	6
668	543	668543	Rock Outcrop	UWB		1	0	60	0.06	6
668	543	668543	Rock Outcrop	UWB		1	0	6	2	6
668	543	668543	Rock Outcrop	UWB		1	0	5	2	6
668	543	668543	Rock Outcrop	UWB		2	5	10	2	6
668	543	668543	Wortley	CB-COSL		1	0	60	0.06	6
668	543	668543	Wortley	CB-COSL		1	0	6	2	6
668	543	668543	Wortley	CB-COSL		1	0	5	2	6
668	543	668543	Wortley	CB-COSL		2	5	10	2	6
668	545	668545	Canebrake	GR-LCOS		1	0	1	6	20
668	545	668545	Canebrake	GR-LCOS		1	0	10	6	20
668	545	668545	Canebrake	GR-LCOS		2	1	14	6	20
668	545	668545	Canebrake	GR-LCOS		2	10	34	2	6
668	545	668545	Sacatar	LCOS		1	0	1	6	20
668	545	668545	Sacatar	LCOS		1	0	10	6	20

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
668	545	668545	Sacatar	LCOS		2	1	14	6	20
668	545	668545	Sacatar	LCOS		2	10	34	2	6
668	551	668551	Tunawee	BY-LCOS		1	0	11	6	20
668	551	668551	Tunawee	BY-LCOS		2	11	18	6	20
668	554	668554	Deerspring	FSL		1	0	11	2	6
668	554	668554	Deerspring	FSL		2	11	24	6	20
668	555	668555	Four Star	SL		1	0	11	2	6
668	555	668555	Four Star	SL		2	11	28	2	6
668	555	668555	Four Star	SL		3	28	60	2	6
668	556	668556	Toll	LCOS		1	0	6	6	20
668	556	668556	Toll	LCOS		2	6	24	6	20
668	556	668556	Toll	LCOS		3	24	60	6	20
668	557	668557	Canebrake	GR-COS		1	0	4	6	20
668	557	668557	Canebrake	GR-COS		1	0	3	20	20
668	557	668557	Canebrake	GR-COS		1	0	8	6	20
668	557	668557	Canebrake	GR-COS		2	4	29	6	20
668	557	668557	Canebrake	GR-COS		2	3	12	6	20
668	557	668557	Deadfoot	BYV-LCOS		1	0	4	6	20
668	557	668557	Deadfoot	BYV-LCOS		1	0	3	20	20
668	557	668557	Deadfoot	BYV-LCOS		1	0	8	6	20
668	557	668557	Deadfoot	BYV-LCOS		2	4	29	6	20
668	557	668557	Deadfoot	BYV-LCOS		2	3	12	6	20
668	557	668557	Scodie	GR-LCOS		1	0	4	6	20
668	557	668557	Scodie	GR-LCOS		1	0	3	20	20
668	557	668557	Scodie	GR-LCOS		1	0	8	6	20
668	557	668557	Scodie	GR-LCOS		2	4	29	6	20
668	557	668557	Scodie	GR-LCOS		2	3	12	6	20
668	558	668558	Indiano	CB-SL		1	0	2	2	6
668	558	668558	Indiano	CB-SL		1	0	6	2	6
668	558	668558	Indiano	CB-SL		2	2	9	2	6
668	558	668558	Wortley	CB-COSL		1	0	2	2	6
668	558	668558	Wortley	CB-COSL		1	0	6	2	6
668	558	668558	Wortley	CB-COSL		2	2	9	2	6
668	560	668560	Calpine	LCOS		1	0	10	6	20
668	560	668560	Calpine	LCOS		1	0	2	2	6
668	560	668560	Calpine	LCOS		1	0	2	6	20
668	560	668560	Calpine	LCOS		2	10	68	2	6
668	560	668560	Calpine	LCOS		2	2	8	2	6
668	560	668560	Calpine	LCOS		2	2	10	2	6
668	560	668560	Calpine	LCOS		3	10	34	2	6
668	560	668560	Sacatar	LCOS		1	0	10	6	20
668	560	668560	Sacatar	LCOS		1	0	2	2	6
668	560	668560	Sacatar	LCOS		1	0	2	6	20
668	560	668560	Sacatar	LCOS		2	10	68	2	6
668	560	668560	Sacatar	LCOS		2	2	8	2	6
668	560	668560	Sacatar	LCOS		2	2	10	2	6
668	560	668560	Sacatar	LCOS		3	10	34	2	6
668	560	668560	Wortley	COSL		1	0	10	6	20
668	560	668560	Wortley	COSL		1	0	2	2	6
668	560	668560	Wortley	COSL		1	0	2	6	20
668	560	668560	Wortley	COSL		2	10	68	2	6
668	560	668560	Wortley	COSL		2	2	8	2	6
668	560	668560	Wortley	COSL		2	2	10	2	6
668	560	668560	Wortley	COSL		3	10	34	2	6
668	561	668561	Canebrake	GR-LS		1	0	6	6	20
668	561	668561	Canebrake	GR-LS		1	0	2	6	20
668	561	668561	Canebrake	GR-LS		1	0	8	6	20
668	561	668561	Canebrake	GR-LS		2	6	16	6	20
668	561	668561	Canebrake	GR-LS		2	2	34	2	6
668	561	668561	Sacatar	LCOS		1	0	6	6	20
668	561	668561	Sacatar	LCOS		1	0	2	6	20
668	561	668561	Sacatar	LCOS		1	0	8	6	20
668	561	668561	Sacatar	LCOS		2	6	16	6	20
668	561	668561	Sacatar	LCOS		2	2	34	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
668	561	668561	Scodie	GR-LCOS		1	0	6	6	20
668	561	668561	Scodie	GR-LCOS		1	0	2	6	20
668	561	668561	Scodie	GR-LCOS		1	0	8	6	20
668	561	668561	Scodie	GR-LCOS		2	6	16	6	20
668	561	668561	Scodie	GR-LCOS		2	2	34	2	6
668	562	668562	Deerspring	L		2	21	60	2	6
668	570	668570	Deadfoot	BYV-LCOS		1	0	60	0.06	6
668	570	668570	Deadfoot	BYV-LCOS		1	0	8	6	20
668	570	668570	Deadfoot	BYV-LCOS		1	0	10	6	20
668	570	668570	Deadfoot	BYV-LCOS		2	10	23	6	20
668	570	668570	Rock Outcrop	UWB		1	0	60	0.06	6
668	570	668570	Rock Outcrop	UWB		1	0	8	6	20
668	570	668570	Rock Outcrop	UWB		1	0	10	6	20
668	570	668570	Rock Outcrop	UWB		2	10	23	6	20
668	570	668570	Scodie	BY-LCOS		1	0	60	0.06	6
668	570	668570	Scodie	BY-LCOS		1	0	8	6	20
668	570	668570	Scodie	BY-LCOS		1	0	10	6	20
668	570	668570	Scodie	BY-LCOS		2	10	23	6	20
668	590	668590	Canebrake	GR-LCOS		1	0	5	6	20
668	590	668590	Canebrake	GR-LCOS		1	0	7	6	20
668	590	668590	Canebrake	GR-LCOS		1	0	11	6	20
668	590	668590	Canebrake	GR-LCOS		2	5	25	6	20
668	590	668590	Canebrake	GR-LCOS		2	7	17	6	20
668	590	668590	Pilotwell	GR-LCOS		1	0	5	6	20
668	590	668590	Pilotwell	GR-LCOS		1	0	7	6	20
668	590	668590	Pilotwell	GR-LCOS		1	0	11	6	20
668	590	668590	Pilotwell	GR-LCOS		2	5	25	6	20
668	590	668590	Pilotwell	GR-LCOS		2	7	17	6	20
668	590	668590	Xyno	GR-LCOS		1	0	5	6	20
668	590	668590	Xyno	GR-LCOS		1	0	7	6	20
668	590	668590	Xyno	GR-LCOS		1	0	11	6	20
668	590	668590	Xyno	GR-LCOS		2	5	25	6	20
668	590	668590	Xyno	GR-LCOS		2	7	17	6	20
668	591	668591	Canebrake	GR-LCOS		1	0	60	0.06	6
668	591	668591	Canebrake	GR-LCOS		1	0	6	6	20
668	591	668591	Canebrake	GR-LCOS		1	0	11	6	20
668	591	668591	Canebrake	GR-LCOS		2	6	15	6	20
668	591	668591	Rock Outcrop	UWB		1	0	60	0.06	6
668	591	668591	Rock Outcrop	UWB		1	0	6	6	20
668	591	668591	Rock Outcrop	UWB		1	0	11	6	20
668	591	668591	Rock Outcrop	UWB		2	6	15	6	20
668	591	668591	Xyno	GR-LCOS		1	0	60	0.06	6
668	591	668591	Xyno	GR-LCOS		1	0	6	6	20
668	591	668591	Xyno	GR-LCOS		1	0	11	6	20
668	591	668591	Xyno	GR-LCOS		2	6	15	6	20
668	599	668599	Rock Outcrop	UWB		1	0	60	0.06	6
668	610	668610	Erskine	GR-SL		1	0	7	2	6
668	610	668610	Erskine	GR-SL		1	0	5	2	6
668	610	668610	Erskine	GR-SL		2	7	19	2	6
668	610	668610	Erskine	GR-SL		2	5	14	2	6
668	610	668610	Hyte	GR-SL		1	0	7	2	6
668	610	668610	Hyte	GR-SL		1	0	5	2	6
668	610	668610	Hyte	GR-SL		2	7	19	2	6
668	610	668610	Hyte	GR-SL		2	5	14	2	6
668	650	668650	Kiscove	GR-L		1	0	60	0.06	6
668	650	668650	Rock Outcrop	UWB		1	0	60	0.06	6
668	650	668650	Stineway	GRV-L		1	0	60	0.06	6
669	101	669101	Cajon	LFS		1	0	3	6	20
669	101	669101	Cajon	LFS		2	3	60	6	20
669	102	669102	Cajon	LS		1	0	3	6	20
669	102	669102	Cajon	LS		2	3	60	6	20
669	103	669103	Cajon	LS		1	0	3	6	20
669	103	669103	Cajon	LS		2	3	60	6	20
669	104	669104	Cajon	LFS		1	0	3	6	20

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
669	104	669104	Cajon	LFS		2	3	60	6	20
669	105	669105	Cajon	LCOS		1	0	3	6	20
669	105	669105	Cajon	LCOS		2	3	60	6	20
669	106	669106	Cajon	LS		1	0	18	6	20
669	106	669106	Cajon	LS		1	0	3	6	20
669	106	669106	Cajon	LS		2	18	35	6	20
669	106	669106	Cajon	LS		2	3	60	6	20
669	106	669106	Cajon	LS		3	35	44	2	6
669	106	669106	Challenger	S		1	0	18	6	20
669	106	669106	Challenger	S		1	0	3	6	20
669	106	669106	Challenger	S		2	18	35	6	20
669	106	669106	Challenger	S		2	3	60	6	20
669	106	669106	Challenger	S		3	35	44	2	6
669	107	669107	Cajon	LS		1	0	3	2	6
669	107	669107	Cajon	LS		1	0	3	6	20
669	107	669107	Cajon	LS		2	3	23	2	6
669	107	669107	Cajon	LS		2	3	60	6	20
669	107	669107	Machone	SL		1	0	3	2	6
669	107	669107	Machone	SL		1	0	3	6	20
669	107	669107	Machone	SL		2	3	23	2	6
669	107	669107	Machone	SL		2	3	60	6	20
669	108	669108	Cajon	LS		1	0	2	2	6
669	108	669108	Cajon	LS		1	0	3	6	20
669	108	669108	Cajon	LS		2	2	20	0.6	6
669	108	669108	Cajon	LS		2	3	60	6	20
669	108	669108	Norob	SL		1	0	2	2	6
669	108	669108	Norob	SL		1	0	3	6	20
669	108	669108	Norob	SL		2	2	20	0.6	6
669	108	669108	Norob	SL		2	3	60	6	20
669	109	669109	Cajon	LS		1	0	2	2	6
669	109	669109	Cajon	LS		1	0	3	6	20
669	109	669109	Cajon	LS		2	2	20	0.6	6
669	109	669109	Cajon	LS		2	3	60	6	20
669	109	669109	Norob	SL		1	0	2	2	6
669	109	669109	Norob	SL		1	0	3	6	20
669	109	669109	Norob	SL		2	2	20	0.6	6
669	109	669109	Norob	SL		2	3	60	6	20
669	110	669110	Cajon	LS		1	0	2	6	20
669	110	669110	Cajon	LS		1	0	2	2	6
669	110	669110	Cajon	LS		1	0	3	6	20
669	110	669110	Cajon	LS		2	2	20	0.6	6
669	110	669110	Cajon	LS		2	2	20	0.6	6
669	110	669110	Cajon	LS		2	3	60	6	20
669	110	669110	Norob	SL		1	0	2	6	20
669	110	669110	Norob	SL		1	0	2	2	6
669	110	669110	Norob	SL		1	0	3	6	20
669	110	669110	Norob	FS		1	0	2	6	20
669	110	669110	Norob	FS		1	0	2	2	6
669	110	669110	Norob	FS		1	0	3	6	20
669	110	669110	Norob	SL		2	2	20	0.6	6
669	110	669110	Norob	SL		2	2	20	0.6	6
669	110	669110	Norob	SL		2	3	60	6	20
669	110	669110	Norob	FS		2	2	20	0.6	6
669	110	669110	Norob	FS		2	2	20	0.6	6
669	110	669110	Norob	FS		2	3	60	6	20
669	111	669111	Challenger	S		1	0	18	6	20
669	111	669111	Challenger	S		2	18	35	6	20
669	111	669111	Challenger	S		3	35	44	2	6
669	112	669112	Challenger	S		1	0	2	6	20
669	112	669112	Challenger	S		1	0	2	2	6
669	112	669112	Challenger	S		1	0	18	6	20
669	112	669112	Challenger	S		2	18	35	6	20
669	112	669112	Challenger	S		3	47	60	2	6
669	112	669112	Challenger	S		3	47	60	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
669	112	669112	Challenger	S		3	35	44	2	6
669	112	669112	Leuhman	SL		1	0	2	6	20
669	112	669112	Leuhman	SL		1	0	2	2	6
669	112	669112	Leuhman	SL		1	0	18	6	20
669	112	669112	Leuhman	LS		1	0	2	6	20
669	112	669112	Leuhman	LS		1	0	2	2	6
669	112	669112	Leuhman	LS		1	0	18	6	20
669	112	669112	Leuhman	SL		2	18	35	6	20
669	112	669112	Leuhman	LS		2	18	35	6	20
669	112	669112	Leuhman	SL		3	47	60	2	6
669	112	669112	Leuhman	SL		3	47	60	2	6
669	112	669112	Leuhman	SL		3	35	44	2	6
669	112	669112	Leuhman	LS		3	47	60	2	6
669	112	669112	Leuhman	LS		3	47	60	2	6
669	112	669112	Leuhman	LS		3	35	44	2	6
669	113	669113	Destazo	SL		1	0	11	2	6
669	113	669113	Destazo	SL		1	0	11	2	6
669	113	669113	Destazo	FSL		1	0	11	2	6
669	113	669113	Destazo	FSL		1	0	11	2	6
669	114	669114	Helendale	LS		1	0	2	6	20
669	114	669114	Helendale	LS		2	2	52	2	6
669	114	669114	Helendale	LS		3	52	61	2	6
669	115	669115	Helendale	LS		1	0	2	6	20
669	115	669115	Helendale	LS		2	2	52	2	6
669	115	669115	Helendale	LS		3	52	61	2	6
669	116	669116	Helendale	FSL		1	0	2	2	6
669	117	669117	Cajon	LFS		1	0	3	6	20
669	117	669117	Cajon	LFS		1	0	2	6	20
669	117	669117	Cajon	LFS		2	3	60	6	20
669	117	669117	Cajon	LFS		2	2	52	2	6
669	117	669117	Cajon	LFS		3	52	61	2	6
669	117	669117	Helendale	LS		1	0	3	6	20
669	117	669117	Helendale	LS		1	0	2	6	20
669	117	669117	Helendale	LS		2	3	60	6	20
669	117	669117	Helendale	LS		2	2	52	2	6
669	117	669117	Helendale	LS		3	52	61	2	6
669	118	669118	Cajon	LFS		1	0	3	6	20
669	118	669118	Cajon	LFS		1	0	2	6	20
669	118	669118	Cajon	LFS		2	3	60	6	20
669	118	669118	Cajon	LFS		2	2	52	2	6
669	118	669118	Cajon	LFS		3	52	61	2	6
669	118	669118	Helendale	LS		1	0	3	6	20
669	118	669118	Helendale	LS		1	0	2	6	20
669	118	669118	Helendale	LS		2	3	60	6	20
669	118	669118	Helendale	LS		2	2	52	2	6
669	118	669118	Helendale	LS		3	52	61	2	6
669	119	669119	Helendale	LS		1	0	2	6	20
669	119	669119	Helendale	LS		2	2	52	2	6
669	119	669119	Helendale	LS		3	5	9	2	6
669	119	669119	Helendale	LS		3	52	61	2	6
669	119	669119	Sparkhule	GRV-L		1	0	2	6	20
669	119	669119	Sparkhule	GRV-L		2	2	52	2	6
669	119	669119	Sparkhule	GRV-L		3	5	9	2	6
669	119	669119	Sparkhule	GRV-L		3	52	61	2	6
669	120	669120	Helendale	LS		1	0	3	2	6
669	120	669120	Helendale	LS		1	0	2	6	20
669	120	669120	Helendale	LS		2	3	18	2	6
669	120	669120	Helendale	LS		2	2	52	2	6
669	120	669120	Helendale	LS		3	52	61	2	6
669	120	669120	Randsburg	SL		1	0	3	2	6
669	120	669120	Randsburg	SL		1	0	2	6	20
669	120	669120	Randsburg	SL		2	3	18	2	6
669	120	669120	Randsburg	SL		2	2	52	2	6
669	120	669120	Randsburg	SL		3	52	61	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
669	121	669121	Hi Vista	SL		1	0	23	2	6
669	122	669122	Hi Vista	SL		1	0	3	2	6
669	122	669122	Hi Vista	SL		1	0	3	2	6
669	122	669122	Hi Vista	SL		1	0	23	2	6
669	122	669122	Hi Vista	SL		2	3	18	2	6
669	122	669122	Hi Vista	SL		2	3	23	2	6
669	122	669122	Machone	SL		1	0	3	2	6
669	122	669122	Machone	SL		1	0	3	2	6
669	122	669122	Machone	SL		1	0	23	2	6
669	122	669122	Machone	SL		2	3	18	2	6
669	122	669122	Machone	SL		2	3	23	2	6
669	122	669122	Randsburg	SL		1	0	3	2	6
669	122	669122	Randsburg	SL		1	0	3	2	6
669	122	669122	Randsburg	SL		1	0	23	2	6
669	122	669122	Randsburg	SL		2	3	18	2	6
669	122	669122	Randsburg	SL		2	3	23	2	6
669	123	669123	Hi Vista	GRX-SL		1	0	60	0.06	6
669	123	669123	Hi Vista	GRX-SL		1	0	6	2	6
669	123	669123	Rock Outcrop	UWB		1	0	60	0.06	6
669	123	669123	Rock Outcrop	UWB		1	0	6	2	6
669	124	669124	Lavic	LS		1	0	2	2	6
669	124	669124	Lavic	LS		1	0	5	2	6
669	124	669124	Lavic	LS		2	2	20	0.6	6
669	124	669124	Lavic	LS		2	5	21	2	6
669	124	669124	Lavic	LS		4	40	60	6	20
669	124	669124	Norob	SL		1	0	2	2	6
669	124	669124	Norob	SL		1	0	5	2	6
669	124	669124	Norob	SL		2	2	20	0.6	6
669	124	669124	Norob	SL		2	5	21	2	6
669	124	669124	Norob	SL		4	40	60	6	20
669	125	669125	Leuhman	LS		1	0	2	6	20
669	125	669125	Leuhman	LS		3	47	60	2	6
669	126	669126	Leuhman	FSL		1	0	2	2	6
669	126	669126	Leuhman	CL		1	0	2	2	6
669	126	669126	Leuhman	FSL		3	47	60	2	6
669	126	669126	Leuhman	FSL		3	47	60	2	6
669	126	669126	Leuhman	CL		3	47	60	2	6
669	126	669126	Leuhman	CL		3	47	60	2	6
669	127	669127	Cajon	FS		1	0	3	6	20
669	127	669127	Cajon	FS		1	0	2	6	20
669	127	669127	Cajon	FS		2	3	60	6	20
669	127	669127	Cajon	FS		3	47	60	2	6
669	127	669127	Cajon	FS		3	47	60	2	6
669	127	669127	Leuhman	LS		1	0	3	6	20
669	127	669127	Leuhman	LS		1	0	2	6	20
669	127	669127	Leuhman	CL		1	0	3	6	20
669	127	669127	Leuhman	CL		1	0	2	6	20
669	127	669127	Leuhman	LS		2	3	60	6	20
669	127	669127	Leuhman	CL		2	3	60	6	20
669	127	669127	Leuhman	LS		3	47	60	2	6
669	127	669127	Leuhman	LS		3	47	60	2	6
669	127	669127	Leuhman	CL		3	47	60	2	6
669	127	669127	Leuhman	CL		3	47	60	2	6
669	128	669128	Challenger	S		1	0	18	6	20
669	128	669128	Challenger	S		1	0	2	6	20
669	128	669128	Challenger	S		1	0	2	2	6
669	128	669128	Challenger	S		2	18	35	6	20
669	128	669128	Challenger	S		3	35	44	2	6
669	128	669128	Challenger	S		3	47	60	2	6
669	128	669128	Challenger	S		3	47	60	2	6
669	128	669128	Leuhman	SL		1	0	18	6	20
669	128	669128	Leuhman	SL		1	0	2	6	20
669	128	669128	Leuhman	SL		1	0	2	2	6
669	128	669128	Leuhman	LS		1	0	18	6	20

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
669	128	669128	Leuhman	LS		1	0	2	6	20
669	128	669128	Leuhman	LS		1	0	2	2	6
669	128	669128	Leuhman	SL		2	18	35	6	20
669	128	669128	Leuhman	LS		2	18	35	6	20
669	128	669128	Leuhman	SL		3	35	44	2	6
669	128	669128	Leuhman	SL		3	47	60	2	6
669	128	669128	Leuhman	SL		3	47	60	2	6
669	128	669128	Leuhman	LS		3	35	44	2	6
669	128	669128	Leuhman	LS		3	47	60	2	6
669	128	669128	Leuhman	LS		3	47	60	2	6
669	129	669129	Cajon	FS		1	0	3	6	20
669	129	669129	Cajon	FS		1	0	18	6	20
669	129	669129	Cajon	FS		1	0	2	6	20
669	129	669129	Cajon	FS		2	3	60	6	20
669	129	669129	Cajon	FS		2	18	35	6	20
669	129	669129	Cajon	FS		3	35	44	2	6
669	129	669129	Cajon	FS		3	47	60	2	6
669	129	669129	Challenger	S		1	0	3	6	20
669	129	669129	Challenger	S		1	0	18	6	20
669	129	669129	Challenger	S		1	0	2	6	20
669	129	669129	Challenger	S		2	3	60	6	20
669	129	669129	Challenger	S		2	18	35	6	20
669	129	669129	Challenger	S		3	35	44	2	6
669	129	669129	Challenger	S		3	47	60	2	6
669	129	669129	Leuhman	LS		1	0	3	6	20
669	129	669129	Leuhman	LS		1	0	18	6	20
669	129	669129	Leuhman	LS		1	0	2	6	20
669	129	669129	Leuhman	LS		2	3	60	6	20
669	129	669129	Leuhman	LS		2	18	35	6	20
669	129	669129	Leuhman	LS		3	35	44	2	6
669	129	669129	Leuhman	LS		3	47	60	2	6
669	130	669130	Machone	SL		1	0	3	2	6
669	130	669130	Machone	SL		1	0	3	2	6
669	130	669130	Machone	SL		2	3	18	2	6
669	130	669130	Machone	SL		2	3	23	2	6
669	130	669130	Randsburg	SL		1	0	3	2	6
669	130	669130	Randsburg	SL		1	0	3	2	6
669	130	669130	Randsburg	SL		2	3	18	2	6
669	130	669130	Randsburg	SL		2	3	23	2	6
669	131	669131	Hi Vista	SL		1	0	23	2	6
669	131	669131	Hi Vista	SL		1	0	3	2	6
669	131	669131	Hi Vista	SL		1	0	3	2	6
669	131	669131	Hi Vista	SL		2	3	18	2	6
669	131	669131	Hi Vista	SL		2	3	23	2	6
669	131	669131	Machone	SL		1	0	23	2	6
669	131	669131	Machone	SL		1	0	3	2	6
669	131	669131	Machone	SL		1	0	3	2	6
669	131	669131	Machone	SL		2	3	18	2	6
669	131	669131	Machone	SL		2	3	23	2	6
669	131	669131	Randsburg	SL		1	0	23	2	6
669	131	669131	Randsburg	SL		1	0	3	2	6
669	131	669131	Randsburg	SL		1	0	3	2	6
669	131	669131	Randsburg	SL		2	3	18	2	6
669	131	669131	Randsburg	SL		2	3	23	2	6
669	132	669132	Muroc	SL	THICK	1	0	14	2	6
669	133	669133	Muroc	SL	THICK	1	0	3	2	6
669	133	669133	Muroc	SL	THICK	1	0	14	2	6
669	133	669133	Muroc	SL	THICK	2	3	18	2	6
669	133	669133	Randsburg	SL		1	0	3	2	6
669	133	669133	Randsburg	SL		1	0	14	2	6
669	133	669133	Randsburg	SL		2	3	18	2	6
669	134	669134	Muroc	SL	THICK	1	0	3	2	6
669	134	669134	Muroc	SL	THICK	1	0	14	2	6
669	134	669134	Muroc	SL	THICK	2	3	18	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
669	134	669134	Randsburg	SL		1	0	3	2	6
669	134	669134	Randsburg	SL		1	0	14	2	6
669	134	669134	Randsburg	SL		2	3	18	2	6
669	135	669135	Norob	SL		1	0	2	2	6
669	135	669135	Norob	SL		2	2	20	0.6	6
669	136	669136	Norob	SL		1	0	2	2	6
669	136	669136	Norob	SL		2	2	20	0.6	6
669	137	669137	Norob	FS		1	0	2	2	6
669	137	669137	Norob	FS		1	0	2	6	20
669	137	669137	Norob	SL		1	0	2	2	6
669	137	669137	Norob	SL		1	0	2	6	20
669	137	669137	Norob	FS		2	2	20	0.6	6
669	137	669137	Norob	FS		2	2	20	0.6	6
669	137	669137	Norob	SL		2	2	20	0.6	6
669	137	669137	Norob	SL		2	2	20	0.6	6
669	138	669138	Helendale	LS		1	0	2	6	20
669	138	669138	Helendale	LS		1	0	2	2	6
669	138	669138	Helendale	LS		2	2	52	2	6
669	138	669138	Helendale	LS		2	2	20	0.6	6
669	138	669138	Helendale	LS		3	52	61	2	6
669	138	669138	Norob	SL		1	0	2	6	20
669	138	669138	Norob	SL		1	0	2	2	6
669	138	669138	Norob	SL		2	2	52	2	6
669	138	669138	Norob	SL		2	2	20	0.6	6
669	138	669138	Norob	SL		3	52	61	2	6
669	139	669139	Randsburg	SL		1	0	3	2	6
669	139	669139	Randsburg	SL		2	3	18	2	6
669	140	669140	Machone	SL		1	0	60	0.06	6
669	140	669140	Machone	SL		1	0	3	2	6
669	140	669140	Machone	SL		1	0	3	2	6
669	140	669140	Machone	SL		2	3	23	2	6
669	140	669140	Machone	SL		2	3	18	2	6
669	140	669140	Randsburg	SL		1	0	60	0.06	6
669	140	669140	Randsburg	SL		1	0	3	2	6
669	140	669140	Randsburg	SL		1	0	3	2	6
669	140	669140	Randsburg	SL		2	3	23	2	6
669	140	669140	Randsburg	SL		2	3	18	2	6
669	140	669140	Rock Outcrop	UWB		1	0	60	0.06	6
669	140	669140	Rock Outcrop	UWB		1	0	3	2	6
669	140	669140	Rock Outcrop	UWB		1	0	3	2	6
669	140	669140	Rock Outcrop	UWB		2	3	23	2	6
669	140	669140	Rock Outcrop	UWB		2	3	18	2	6
669	141	669141	Randsburg	SL		1	0	60	0.06	6
669	141	669141	Randsburg	SL		1	0	3	2	6
669	141	669141	Randsburg	SL		2	3	18	2	6
669	141	669141	Rock Outcrop	UWB		1	0	60	0.06	6
669	141	669141	Rock Outcrop	UWB		1	0	3	2	6
669	141	669141	Rock Outcrop	UWB		2	3	18	2	6
669	142	669142	Sparkhule	GR-SL		1	0	5	2	6
669	143	669143	Sparkhule	GRV-L		3	5	9	2	6
669	144	669144	Leuhman	FSL		1	0	2	2	6
669	144	669144	Leuhman	FSL		1	0	6	2	6
669	144	669144	Leuhman	FSL		3	47	60	2	6
669	144	669144	Voyager	FSL		1	0	2	2	6
669	144	669144	Voyager	FSL		1	0	6	2	6
669	144	669144	Voyager	FSL		3	47	60	2	6
670	100	670100	Alko	SL	THIN	1	0	7	2	6
670	100	670100	Alko	SL	THIN	3	23	60	2	6
670	100	670100	Neuralia	SL		1	0	7	2	6
670	100	670100	Neuralia	SL		3	23	60	2	6
670	104	670104	Arizo	GR-LS		1	0	3	6	6
670	104	670104	Arizo	GR-LS		2	3	65	20	20
670	105	670105	Arujo	SL		1	0	3	2	6
670	106	670106	Arujo	SL		1	0	10	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
670	106	670106	Arujo	SL		1	0	3	2	6
670	106	670106	Arujo	SL		2	10	18	2	6
670	106	670106	Friant	SL		1	0	10	2	6
670	106	670106	Friant	SL		1	0	3	2	6
670	106	670106	Friant	SL		2	10	18	2	6
670	106	670106	Tunis	L		1	0	10	2	6
670	106	670106	Tunis	L		1	0	3	2	6
670	106	670106	Tunis	L		2	10	18	2	6
670	107	670107	Arujo	SL		1	0	10	2	6
670	107	670107	Arujo	SL		1	0	3	2	6
670	107	670107	Arujo	SL		2	10	18	2	6
670	107	670107	Friant	SL		1	0	10	2	6
670	107	670107	Friant	SL		1	0	3	2	6
670	107	670107	Friant	SL		2	10	18	2	6
670	107	670107	Tunis	L		1	0	10	2	6
670	107	670107	Tunis	L		1	0	3	2	6
670	107	670107	Tunis	L		2	10	18	2	6
670	108	670108	Arujo	SL		1	0	10	2	6
670	108	670108	Arujo	SL		1	0	3	2	6
670	108	670108	Arujo	SL		2	10	18	2	6
670	108	670108	Friant	SL		1	0	10	2	6
670	108	670108	Friant	SL		1	0	3	2	6
670	108	670108	Friant	SL		2	10	18	2	6
670	108	670108	Tunis	L		1	0	10	2	6
670	108	670108	Tunis	L		1	0	3	2	6
670	108	670108	Tunis	L		2	10	18	2	6
670	109	670109	Arvin	SL		1	0	21	2	6
670	109	670109	Arvin	SL		2	21	60	2	6
670	110	670110	Arvin	SL		1	0	21	2	6
670	110	670110	Arvin	SL		2	21	60	2	6
670	111	670111	Arvin	ST-SL		1	0	21	2	6
670	111	670111	Arvin	ST-SL		2	21	60	2	6
670	113	670113	Cajon	S		1	0	4	6	20
670	113	670113	Cajon	S		2	4	60	6	20
670	114	670114	Cajon	LS		1	0	20	6	20
670	114	670114	Cajon	LS		2	20	60	6	20
670	115	670115	Cajon	LS		1	0	48	6	20
670	115	670115	Cajon	LS		2	48	60	6	20
670	116	670116	Cajon	GR-LS		1	0	36	6	20
670	116	670116	Cajon	GR-LS		2	36	60	6	20
670	117	670117	Cajon	S		1	0	18	6	20
670	117	670117	Cajon	S		1	0	42	6	20
670	117	670117	Cajon	S		3	30	45	2	6
670	117	670117	Garlock	S		1	0	18	6	20
670	117	670117	Garlock	S		1	0	42	6	20
670	117	670117	Garlock	S		3	30	45	2	6
670	124	670124	Cinco	GR-LS		1	0	8	6	20
670	124	670124	Cinco	GR-LS		2	8	86	6	20
670	125	670125	Destazo	SL		1	0	11	2	6
670	126	670126	Destazo	SL		1	0	3	2	6
670	129	670129	Edmundston	SL		1	0	17	2	6
670	129	670129	Edmundston	SL		2	17	50	2	6
670	130	670130	Edmundston	GR-SL		1	0	17	2	6
670	130	670130	Edmundston	GR-SL		2	17	50	2	6
670	131	670131	Edmundston	GR-SL		1	0	17	2	6
670	131	670131	Edmundston	GR-SL		2	17	50	2	6
670	132	670132	Edmundston	GR-SL		1	0	17	2	6
670	132	670132	Edmundston	GR-SL		2	17	50	2	6
670	133	670133	Edmundston	GR-SL		1	0	13	2	6
670	133	670133	Edmundston	GR-SL		1	0	17	2	6
670	133	670133	Edmundston	GR-SL		2	17	50	2	6
670	133	670133	Godde	GR-SL		1	0	13	2	6
670	133	670133	Godde	GR-SL		1	0	17	2	6
670	133	670133	Godde	GR-SL		2	17	50	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
670	133	670133	Tollhouse	GR-SL		1	0	13	2	6
670	133	670133	Tollhouse	GR-SL		1	0	17	2	6
670	133	670133	Tollhouse	GR-SL		2	17	50	2	6
670	134	670134	Edmundston	GR-SL		1	0	13	2	6
670	134	670134	Edmundston	GR-SL		1	0	17	2	6
670	134	670134	Edmundston	GR-SL		2	17	50	2	6
670	134	670134	Godde	GR-SL		1	0	13	2	6
670	134	670134	Godde	GR-SL		1	0	17	2	6
670	134	670134	Godde	GR-SL		2	17	50	2	6
670	134	670134	Tollhouse	GR-SL		1	0	13	2	6
670	134	670134	Tollhouse	GR-SL		1	0	17	2	6
670	134	670134	Tollhouse	GR-SL		2	17	50	2	6
670	136	670136	Friant	SL		1	0	10	2	6
670	136	670136	Friant	SL		2	10	18	2	6
670	137	670137	Garlock	LS		1	0	12	6	20
670	137	670137	Garlock	LS		3	24	33	2	6
670	137	670137	Garlock	LS		4	33	51	6	20
670	137	670137	Garlock	LS		5	51	60	6	20
670	138	670138	Godde	GR-SL		1	0	13	2	6
670	138	670138	Tollhouse	GR-SL		1	0	13	2	6
670	140	670140	Havala	SL		1	0	24	2	6
670	140	670140	Havala	SL		3	48	65	2	6
670	141	670141	Havala	SL		1	0	24	2	6
670	141	670141	Havala	SL		3	48	65	2	6
670	142	670142	Havala	SL		1	0	24	2	6
670	142	670142	Havala	SL		3	48	65	2	6
670	143	670143	Havala	SL		1	0	24	2	6
670	143	670143	Havala	SL		3	48	65	2	6
670	144	670144	Hesperia	SL		1	0	18	2	6
670	144	670144	Hesperia	SL		2	18	34	2	6
670	144	670144	Hesperia	SL		3	34	70	2	6
670	145	670145	Hesperia	SL		1	0	18	2	6
670	145	670145	Hesperia	SL		2	18	34	2	6
670	145	670145	Hesperia	SL		3	34	60	2	6
670	146	670146	Hesperia	SL		1	0	36	2	6
670	146	670146	Hesperia	SL		2	36	60	2	6
670	147	670147	Hi Vista	SL		1	0	4	2	6
670	148	670148	Jawbone	GR-LS		1	0	10	6	20
670	150	670150	Muroc	SL	THICK	1	0	15	2	6
670	151	670151	Muroc	SL	THICK	1	0	12	2	6
670	151	670151	Muroc	SL	THICK	1	0	15	2	6
670	151	670151	Randsburg	SL		1	0	12	2	6
670	151	670151	Randsburg	SL		1	0	15	2	6
670	154	670154	Neuralia	SL		1	0	7	2	6
670	155	670155	Neuralia	SL		1	0	7	2	6
670	155	670155	Neuralia	SL		1	0	6	6	20
670	155	670155	Neuralia	SL		4	40	60	2	6
670	155	670155	Norob	S		1	0	7	2	6
670	155	670155	Norob	S		1	0	6	6	20
670	155	670155	Norob	S		4	40	60	2	6
670	156	670156	Pajuela	GR-SL		1	0	32	6	20
670	156	670156	Pajuela	GR-SL		1	0	12	2	6
670	156	670156	Pajuela	GR-SL		2	32	70	6	20
670	156	670156	Pajuela	GR-SL		2	12	22	2	6
670	156	670156	Pajuela	GR-SL		3	22	60	2	6
670	156	670156	Whitewolf	LS		1	0	32	6	20
670	156	670156	Whitewolf	LS		1	0	12	2	6
670	156	670156	Whitewolf	LS		2	32	70	6	20
670	156	670156	Whitewolf	LS		2	12	22	2	6
670	156	670156	Whitewolf	LS		3	22	60	2	6
670	165	670165	Psamments	LS		1	0	12	6	20
670	165	670165	Psamments	LS		3	48	60	6	20
670	165	670165	Xerolls	VAR		1	0	12	6	20
670	165	670165	Xerolls	VAR		3	48	60	6	20

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
670	167	670167	Randsburg	SL		1	0	12	2	6
670	171	670171	Rosamond	SL		1	0	2	2	6
670	173	670173	Rosamond Variant	SL		1	0	7	2	6
670	174	670174	Steuber	SL		1	0	12	2	6
670	174	670174	Steuber	SL		2	12	60	2	6
670	175	670175	Steuber	SL		1	0	12	2	6
670	175	670175	Steuber	SL		2	12	60	2	6
670	176	670176	Steuber	SL		1	0	12	2	6
670	176	670176	Steuber	SL		2	12	60	2	6
670	177	670177	Steuber	ST-SL		1	0	12	2	6
670	177	670177	Steuber	ST-SL		2	12	60	2	6
670	179	670179	Tehachapi	SL		1	0	11	2	6
670	184	670184	Cajon	LS		1	0	60	6	20
670	184	670184	Cajon	LS		1	0	60	6	20
670	184	670184	Torrifluvents	LS		1	0	60	6	20
670	184	670184	Torrifluvents	LS		1	0	60	6	20
670	186	670186	Tujunga	LS		1	0	60	6	20
670	188	670188	Tunis	L		1	0	27	2	6
670	188	670188	Walong	SL		1	0	27	2	6
670	189	670189	Tweedy	SL		1	0	10	2	6
670	190	670190	Tweedy	SL		1	0	10	2	6
670	191	670191	Anaverde	GR-L		1	0	10	2	6
670	191	670191	Tweedy	SL		1	0	10	2	6
670	192	670192	Anaverde	L		1	0	10	2	6
670	192	670192	Tweedy	SL		1	0	10	2	6
670	193	670193	Walong	SL		1	0	14	2	6
670	193	670193	Walong	SL		2	14	27	2	6
670	194	670194	Walong	SL		1	0	14	2	6
670	194	670194	Walong	SL		2	14	27	2	6
670	195	670195	Arujo	SL		1	0	3	2	6
670	195	670195	Arujo	SL		1	0	14	2	6
670	195	670195	Arujo	SL		2	14	27	2	6
670	195	670195	Walong	SL		1	0	3	2	6
670	195	670195	Walong	SL		1	0	14	2	6
670	195	670195	Walong	SL		2	14	27	2	6
670	196	670196	Arujo	SL		1	0	3	2	6
670	196	670196	Arujo	SL		1	0	14	2	6
670	196	670196	Arujo	SL		2	14	27	2	6
670	196	670196	Walong	SL		1	0	3	2	6
670	196	670196	Walong	SL		1	0	14	2	6
670	196	670196	Walong	SL		2	14	27	2	6
670	197	670197	Arujo	SL		1	0	3	2	6
670	197	670197	Arujo	SL		1	0	14	2	6
670	197	670197	Arujo	SL		2	14	27	2	6
670	197	670197	Walong	SL		1	0	3	2	6
670	197	670197	Walong	SL		1	0	14	2	6
670	197	670197	Walong	SL		2	14	27	2	6
670	198	670198	Rock Outcrop			1	0	14	2	6
670	198	670198	Rock Outcrop			2	14	27	2	6
670	198	670198	Walong	SL		1	0	14	2	6
670	198	670198	Walong	SL		2	14	27	2	6
670	199	670199	Edmundston	SL		1	0	17	2	6
670	199	670199	Edmundston	SL		1	0	14	2	6
670	199	670199	Edmundston	SL		2	17	50	2	6
670	199	670199	Edmundston	SL		2	14	27	2	6
670	199	670199	Walong	SL		1	0	17	2	6
670	199	670199	Walong	SL		1	0	14	2	6
670	199	670199	Walong	SL		2	17	50	2	6
670	199	670199	Walong	SL		2	14	27	2	6
670	200	670200	Edmundston	SL		1	0	17	2	6
670	200	670200	Edmundston	SL		1	0	14	2	6
670	200	670200	Edmundston	SL		2	17	50	2	6
670	200	670200	Edmundston	SL		2	14	27	2	6
670	200	670200	Walong	SL		1	0	17	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
670	200	670200	Walong	SL		1	0	14	2	6
670	200	670200	Walong	SL		2	17	50	2	6
670	200	670200	Walong	SL		2	14	27	2	6
670	201	670201	Wasioja	SL		1	0	34	2	6
670	202	670202	Wasioja	SL		1	0	34	2	6
670	203	670203	Whitewolf	LS		1	0	32	6	20
670	203	670203	Whitewolf	LS		2	32	70	6	20
670	204	670204	Whitewolf	LS		1	0	32	6	20
670	204	670204	Whitewolf	LS		2	32	70	6	20
670	209	670209	Xerorthents	SL		1	0	15	2	6
671	100	671100	Arizo	GR-LS		1	0	15	20	20
671	100	671100	Arizo	GR-LS		2	15	60	20	20
671	101	671101	Arrastre	SL		1	0	6	2	6
671	101	671101	Arrastre	SL		2	6	26	2	6
671	101	671101	Rock Outcrop	UWB		1	0	6	2	6
671	101	671101	Rock Outcrop	UWB		2	6	26	2	6
671	102	671102	Avawatz	SL		1	0	22	2	6
671	102	671102	Avawatz	SL		1	0	15	2	6
671	102	671102	Avawatz	SL		2	22	60	2	6
671	102	671102	Avawatz	SL		2	15	60	6	20
671	102	671102	Oak Glen	SL		1	0	22	2	6
671	102	671102	Oak Glen	SL		1	0	15	2	6
671	102	671102	Oak Glen	SL		2	22	60	2	6
671	102	671102	Oak Glen	SL		2	15	60	6	20
671	105	671105	Bryman	LFS		1	0	9	2	6
671	105	671105	Bryman	LFS		2	9	12	2	6
671	105	671105	Bryman	LFS		4	32	46	2	6
671	105	671105	Bryman	LFS		5	46	99	6	20
671	106	671106	Bryman	LFS		1	0	9	2	6
671	106	671106	Bryman	LFS		3	43	60	2	6
671	107	671107	Bryman	LFS		1	0	9	2	6
671	107	671107	Bryman	LFS		3	39	60	6	20
671	108	671108	Bryman	LFS		1	0	9	2	6
671	108	671108	Bryman	LFS		3	39	60	6	20
671	109	671109	Bryman	SCL		3	44	60	6	20
671	110	671110	Bryman	ST-S		1	0	6	6	20
671	110	671110	Bryman	ST-S		1	0	6	6	20
671	110	671110	Bryman	ST-S		2	6	60	6	20
671	110	671110	Bryman	ST-S		3	31	51	2	6
671	110	671110	Bryman	ST-S		4	51	60	6	20
671	110	671110	Cajon	GR-S		1	0	6	6	20
671	110	671110	Cajon	GR-S		1	0	6	6	20
671	110	671110	Cajon	GR-S		2	6	60	6	20
671	110	671110	Cajon	GR-S		3	31	51	2	6
671	110	671110	Cajon	GR-S		4	51	60	6	20
671	111	671111	Bull Trail	SL		1	0	4	2	6
671	111	671111	Typic Xerorthents	VAR		1	0	4	2	6
671	112	671112	Cajon	S		1	0	7	6	20
671	112	671112	Cajon	S		2	7	25	6	20
671	112	671112	Cajon	S		3	25	45	6	20
671	112	671112	Cajon	S		4	45	60	6	20
671	113	671113	Cajon	S		1	0	6	6	20
671	113	671113	Cajon	S		2	6	25	6	20
671	113	671113	Cajon	S		3	25	60	6	20
671	114	671114	Cajon	S		1	0	6	6	20
671	114	671114	Cajon	S		2	6	42	6	20
671	114	671114	Cajon	S		3	42	60	6	20
671	115	671115	Cajon	GR-S		1	0	8	6	20
671	115	671115	Cajon	GR-S		2	8	60	6	20
671	116	671116	Cajon	LS		1	0	6	6	20
671	116	671116	Cajon	LS		2	6	30	6	20
671	116	671116	Cajon	LS		3	30	60	6	20
671	117	671117	Cajon	LS		1	0	7	6	20
671	117	671117	Cajon	LS		2	7	20	6	20

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
671	117	671117	Cajon	LS		3	20	42	6	20
671	118	671118	Arizo	GR-LS		1	0	6	6	20
671	118	671118	Arizo	GR-LS		1	0	6	6	20
671	118	671118	Arizo	GR-LS		2	6	60	20	20
671	118	671118	Arizo	GR-LS		2	6	60	6	20
671	118	671118	Cajon	GR-S		1	0	6	6	20
671	118	671118	Cajon	GR-S		1	0	6	6	20
671	118	671118	Cajon	GR-S		2	6	60	20	20
671	118	671118	Cajon	GR-S		2	6	60	6	20
671	119	671119	Cajon	S		1	0	7	2	6
671	119	671119	Cajon	S		1	0	8	6	20
671	119	671119	Cajon	S		2	7	60	2	6
671	119	671119	Cajon	S		2	8	60	6	20
671	119	671119	Wasco Cool	SL		1	0	7	2	6
671	119	671119	Wasco Cool	SL		1	0	8	6	20
671	119	671119	Wasco Cool	SL		2	7	60	2	6
671	119	671119	Wasco Cool	SL		2	8	60	6	20
671	120	671120	Cave	L	THICK	3	21	66	2	6
671	121	671121	Crafton	SL		1	0	18	2	6
671	121	671121	Crafton	SL		1	0	10	2	6
671	121	671121	Crafton	SL		2	10	35	2	6
671	121	671121	Rock Outcrop	UWB		1	0	18	2	6
671	121	671121	Rock Outcrop	UWB		1	0	10	2	6
671	121	671121	Rock Outcrop	UWB		2	10	35	2	6
671	121	671121	Sheephead	GR-SL		1	0	18	2	6
671	121	671121	Sheephead	GR-SL		1	0	10	2	6
671	121	671121	Sheephead	GR-SL		2	10	35	2	6
671	122	671122	Crafton	SL		1	0	10	2	6
671	122	671122	Crafton	SL		1	0	14	2	6
671	122	671122	Crafton	SL		2	10	35	2	6
671	122	671122	Crafton	SL		2	14	27	2	6
671	122	671122	Crafton	SL		3	27	39	2	6
671	122	671122	Cushenbury	LS		1	0	10	2	6
671	122	671122	Cushenbury	LS		1	0	14	2	6
671	122	671122	Cushenbury	LS		2	10	35	2	6
671	122	671122	Cushenbury	LS		2	14	27	2	6
671	122	671122	Cushenbury	LS		3	27	39	2	6
671	122	671122	Rock Outcrop	UWB		1	0	10	2	6
671	122	671122	Rock Outcrop	UWB		1	0	14	2	6
671	122	671122	Rock Outcrop	UWB		2	10	35	2	6
671	122	671122	Rock Outcrop	UWB		2	14	27	2	6
671	122	671122	Rock Outcrop	UWB		3	27	39	2	6
671	127	671127	Halloran	S		1	0	2	6	20
671	127	671127	Halloran	S		3	21	33	2	6
671	127	671127	Halloran	S		4	33	60	2	6
671	128	671128	Duneland	FS		1	0	2	6	20
671	128	671128	Duneland	FS		3	21	33	2	6
671	128	671128	Duneland	FS		4	33	60	2	6
671	128	671128	Halloran	S		1	0	2	6	20
671	128	671128	Halloran	S		3	21	33	2	6
671	128	671128	Halloran	S		4	33	60	2	6
671	129	671129	Hanford	SL		1	0	12	2	6
671	129	671129	Hanford	SL		2	12	60	2	6
671	131	671131	Helendale	LS		1	0	4	6	20
671	131	671131	Helendale	LS		2	4	30	2	6
671	131	671131	Helendale	LS		3	30	66	2	6
671	131	671131	Helendale	LS		4	66	70	6	20
671	132	671132	Helendale	LS		1	0	4	6	20
671	132	671132	Helendale	LS		2	4	30	2	6
671	132	671132	Helendale	LS		3	30	66	2	6
671	132	671132	Helendale	LS		4	66	99	6	20
671	133	671133	Bryman	LS		1	0	8	2	6
671	133	671133	Bryman	LS		1	0	6	6	20
671	133	671133	Bryman	LS		2	8	12	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
671	133	671133	Bryman	LS		2	6	30	2	6
671	133	671133	Bryman	LS		3	30	66	2	6
671	133	671133	Bryman	LS		4	44	60	6	20
671	133	671133	Bryman	LS		4	66	99	6	20
671	133	671133	Helendale	LS		1	0	8	2	6
671	133	671133	Helendale	LS		1	0	6	6	20
671	133	671133	Helendale	LS		2	8	12	2	6
671	133	671133	Helendale	LS		2	6	30	2	6
671	133	671133	Helendale	LS		3	30	66	2	6
671	133	671133	Helendale	LS		4	44	60	6	20
671	133	671133	Helendale	LS		4	66	99	6	20
671	134	671134	Hesperia	LFS		1	0	6	6	20
671	134	671134	Hesperia	LFS		2	6	60	2	6
671	137	671137	Kimberlina	LFS		1	0	7	2	6
671	137	671137	Kimberlina	LFS		2	7	51	2	6
671	138	671138	Kimberlina	LFS		1	0	7	2	6
671	138	671138	Kimberlina	LFS		2	7	60	2	6
671	139	671139	Kimberlina	GR-SL		1	0	7	2	6
671	139	671139	Kimberlina	GR-SL		2	7	60	2	6
671	140	671140	Lavic	LFS		1	0	10	2	6
671	140	671140	Lavic	LFS		2	10	20	2	6
671	140	671140	Lavic	LFS		4	49	60	6	20
671	141	671141	Lovelace	LS		1	0	19	6	20
671	141	671141	Lovelace	LS		3	33	60	2	6
671	142	671142	Lucerne	SL		1	0	2	2	6
671	142	671142	Lucerne	SL		2	2	62	2	6
671	143	671143	Lucerne	SL		1	0	6	2	6
671	143	671143	Lucerne	SL		2	6	60	2	6
671	144	671144	Manet	COS		1	0	3	6	20
671	144	671144	Manet	COS		2	3	42	2	6
671	144	671144	Manet	COS		3	42	60	2	6
671	145	671145	Manet	CB-COS		1	0	10	6	20
671	145	671145	Manet	CB-COS		2	10	60	2	6
671	146	671146	Manet	LS		1	0	6	6	20
671	146	671146	Manet	LS		2	6	46	2	6
671	147	671147	Manet	FSL		1	0	12	2	6
671	147	671147	Manet	FSL		2	12	60	2	6
671	148	671148	Mirage	SL		1	0	5	2	6
671	148	671148	Mirage	SL		4	39	60	6	20
671	149	671149	Joshua	L		1	0	5	2	6
671	149	671149	Joshua	L		4	39	60	6	20
671	149	671149	Mirage	SL		1	0	5	2	6
671	149	671149	Mirage	SL		4	39	60	6	20
671	150	671150	Mohave Variant	LS		1	0	7	6	20
671	150	671150	Mohave Variant	LS		3	26	60	6	20
671	151	671151	Cuddeback	SL	THICK	1	0	3	2	6
671	151	671151	Cuddeback	SL	THICK	2	3	6	2	6
671	151	671151	Cuddeback	SL	THICK	2	2	8	2	6
671	151	671151	Cuddeback	SL	THICK	4	17	34	2	6
671	151	671151	Cuddeback	SL	THICK	4	12	65	2	6
671	151	671151	Nebona	SL	THICK	1	0	3	2	6
671	151	671151	Nebona	SL	THICK	2	3	6	2	6
671	151	671151	Nebona	SL	THICK	2	2	8	2	6
671	151	671151	Nebona	SL	THICK	4	17	34	2	6
671	151	671151	Nebona	SL	THICK	4	12	65	2	6
671	152	671152	Halloran	S		1	0	2	6	20
671	152	671152	Halloran	S		1	0	5	6	20
671	152	671152	Halloran	S		3	21	33	2	6
671	152	671152	Halloran	S		4	33	60	2	6
671	152	671152	Norob	LS		1	0	2	6	20
671	152	671152	Norob	LS		1	0	5	6	20
671	152	671152	Norob	LS		3	21	33	2	6
671	152	671152	Norob	LS		4	33	60	2	6
671	159	671159	Rosamond	L		3	44	60	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
671	161	671161	Soboba	GR-S		1	0	4	20	20
671	161	671161	Soboba	GR-S		2	4	60	20	20
671	162	671162	Rock Outcrop	UWB		1	0	2	2	6
671	162	671162	Sparkhule	GR-SL		1	0	2	2	6
671	164	671164	Trigger	GR-L		1	0	12	2	6
671	165	671165	Rock Outcrop	UWB		1	0	2	2	6
671	165	671165	Rock Outcrop	UWB		1	0	12	2	6
671	165	671165	Sparkhule	GR-SL		1	0	2	2	6
671	165	671165	Sparkhule	GR-SL		1	0	12	2	6
671	165	671165	Trigger	GR-SL		1	0	2	2	6
671	165	671165	Trigger	GR-SL		1	0	12	2	6
671	166	671166	Rock Outcrop	UWB		1	0	12	2	6
671	166	671166	Trigger	GR-SL		1	0	12	2	6
671	167	671167	Tujunga	S		1	0	14	6	20
671	167	671167	Tujunga	S		2	14	60	6	20
671	168	671168	Typic Haplargids	ST-S		1	0	10	2	6
671	168	671168	Typic Haplargids	ST-S		2	10	60	2	6
671	168	671168	Yermo	GR-SL		1	0	10	2	6
671	168	671168	Yermo	GR-SL		2	10	60	2	6
671	169	671169	Victorville	SL		1	0	16	2	6
671	169	671169	Victorville	SL		2	16	35	2	6
671	169	671169	Victorville	SL		3	35	49	2	6
671	170	671170	Victorville Variant	S		1	0	5	6	20
671	170	671170	Victorville Variant	S		3	42	60	6	20
671	171	671171	Villa	LS		1	0	7	6	20
671	171	671171	Villa	LS		2	7	60	2	6
671	172	671172	Villa	LS		1	0	7	6	20
671	172	671172	Villa	LS		2	7	60	2	6
671	173	671173	Wasco	SL		1	0	7	2	6
671	173	671173	Wasco	SL		2	7	60	2	6
671	174	671174	Wasco	SL		1	0	7	2	6
671	174	671174	Wasco	SL		2	7	60	2	6
671	175	671175	Bull Trail	SL		1	0	4	2	6
671	175	671175	Bull Trail	SL		1	0	3	2	6
671	175	671175	Bull Trail	SL		2	3	46	2	6
671	175	671175	Wrightwood	LS		1	0	4	2	6
671	175	671175	Wrightwood	LS		1	0	3	2	6
671	175	671175	Wrightwood	LS		2	3	46	2	6
671	176	671176	Yermo	GR-SL		1	0	10	2	6
671	176	671176	Yermo	GR-SL		2	10	25	2	6
671	176	671176	Yermo	GR-SL		3	25	60	2	6
671	177	671177	Kimberlina Cool	GR-SL		1	0	10	2	6
671	177	671177	Kimberlina Cool	GR-SL		1	0	10	2	6
671	177	671177	Kimberlina Cool	GR-SL		2	10	60	2	6
671	177	671177	Kimberlina Cool	GR-SL		2	10	25	2	6
671	177	671177	Kimberlina Cool	GR-SL		3	25	60	2	6
671	177	671177	Yermo	CB-SL		1	0	10	2	6
671	177	671177	Yermo	CB-SL		1	0	10	2	6
671	177	671177	Yermo	CB-SL		2	10	60	2	6
671	177	671177	Yermo	CB-SL		2	10	25	2	6
671	177	671177	Yermo	CB-SL		3	25	60	2	6
676	100	676100	Anacapa	SL		1	0	24	2	6
676	100	676100	Anacapa	SL		2	24	48	2	6
676	100	676100	Anacapa	SL		3	48	72	2	6
676	101	676101	Anacapa	SL		1	0	24	2	6
676	101	676101	Anacapa	SL		2	24	48	2	6
676	101	676101	Anacapa	SL		3	48	72	2	6
676	101	676101	Urban Land	VAR		1	0	24	2	6
676	101	676101	Urban Land	VAR		2	24	48	2	6
676	101	676101	Urban Land	VAR		3	48	72	2	6
676	107	676107	Capistrano	FSL		1	0	41	2	6
676	107	676107	Urban Land	VAR		1	0	41	2	6
676	108	676108	Capistrano	FSL		1	0	41	2	6
676	108	676108	Urban Land	VAR		1	0	41	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
676	115	676115	Friant	FSL		1	0	19	2	6
676	116	676116	Gaviota	SL		1	0	15	2	6
676	117	676117	Gaviota	SL		1	0	15	2	6
676	125	676125	Friant	FSL		1	0	19	2	6
676	125	676125	Rock Outcrop	UWB		1	0	19	2	6
676	126	676126	Gaviota	SL		1	0	15	2	6
676	126	676126	Rock Outcrop	UWB		1	0	15	2	6
676	127	676127	San Emigdio	SL		1	0	19	2	6
676	127	676127	San Emigdio	SL		2	19	77	2	6
676	127	676127	Urban Land	VAR		1	0	19	2	6
676	127	676127	Urban Land	VAR		2	19	77	2	6
676	130	676130	Soboba	GR-LS		1	0	9	20	20
676	130	676130	Soboba	GR-LS		2	9	60	20	20
676	131	676131	Soboba	GR-LS		1	0	9	20	20
676	131	676131	Soboba	GR-LS		2	9	60	20	20
676	135	676135	Tujunga	S		1	0	12	6	20
676	135	676135	Tujunga	S		2	12	60	6	20
676	135	676135	Urban Land	VAR		1	0	12	6	20
676	135	676135	Urban Land	VAR		2	12	60	6	20
676	137	676137	Vista	COSL		1	0	20	2	6
676	137	676137	Vista	COSL		2	20	36	2	6
678	115	678115	Beaches	S		1	0	6	6	20
678	115	678115	Beaches	S		2	6	60	6	20
678	120	678120	Blasingame	L		1	0	19	2	6
678	120	678120	Blasingame	L		2	19	39	2	6
678	120	678120	Vista	COSL		1	0	19	2	6
678	120	678120	Vista	COSL		2	19	39	2	6
678	121	678121	Blasingame	L		1	0	19	2	6
678	121	678121	Blasingame	L		2	19	39	2	6
678	121	678121	Vista	COSL		1	0	19	2	6
678	121	678121	Vista	COSL		2	19	39	2	6
678	135	678135	Capistrano	SL		1	0	27	2	6
678	135	678135	Capistrano	SL		2	27	65	2	6
678	136	678136	Capistrano	SL		1	0	27	2	6
678	136	678136	Capistrano	SL		2	27	65	2	6
678	137	678137	Chesterton	LS	THICK	1	0	16	2	6
678	138	678138	Chesterton	LS	THICK	1	0	16	2	6
678	141	678141	Cieneba	SL		1	0	17	2	6
678	142	678142	Cieneba	SL		1	0	7	2	6
678	143	678143	Blasingame	L		1	0	7	2	6
678	143	678143	Cieneba	SL		1	0	7	2	6
678	143	678143	Rock Outcrop	UWB		1	0	7	2	6
678	144	678144	Cieneba	SL		1	0	7	2	6
678	144	678144	Rock Outcrop	UWB		1	0	7	2	6
678	145	678145	Cieneba	SL		1	0	7	2	6
678	145	678145	Rock Outcrop	UWB		1	0	7	2	6
678	146	678146	Corralitos	LS		1	0	9	6	20
678	146	678146	Corralitos	LS		2	9	60	6	20
678	147	678147	Corralitos	LS		1	0	10	6	20
678	147	678147	Corralitos	LS		2	10	40	6	20
678	147	678147	Corralitos	LS		4	46	80	6	20
678	153	678153	Friant	FSL		1	0	17	2	6
678	156	678156	Hanford	SL		1	0	14	2	6
678	156	678156	Hanford	SL		2	14	50	2	6
678	156	678156	Hanford	SL		3	50	60	2	6
678	157	678157	Hueneme	FSL		1	0	27	2	6
678	157	678157	Hueneme	FSL		2	27	60	2	6
678	158	678158	Hueneme	FSL		1	0	27	2	6
678	158	678158	Hueneme	FSL		2	27	60	2	6
678	160	678160	Laughlin	GR-L		1	0	10	2	6
678	160	678160	Laughlin	GR-L		2	10	23	2	6
678	164	678164	Metz	LS		1	0	17	6	20
678	168	678168	Modjeska	GR-L		1	0	14	2	6
678	168	678168	Modjeska	GR-L		2	14	63	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
678	168	678168	Modjeska	GR-L		3	63	71	20	20
678	169	678169	Modjeska	GR-L		1	0	14	2	6
678	169	678169	Modjeska	GR-L		2	14	63	0	6
678	169	678169	Modjeska	GR-L		3	63	71	20	20
678	170	678170	Modjeska	GR-L		1	0	14	2	6
678	170	678170	Modjeska	GR-L		2	14	63	2	6
678	170	678170	Modjeska	GR-L		3	63	71	20	20
678	171	678171	Modjeska	GR-L		1	0	14	2	6
678	171	678171	Modjeska	GR-L		2	14	63	2	6
678	171	678171	Modjeska	GR-L		3	63	71	20	20
678	172	678172	Myford	SL		1	0	12	2	6
678	173	678173	Myford	SL		1	0	12	2	6
678	174	678174	Myford	SL		1	0	7	2	6
678	175	678175	Myford	SL		1	0	12	2	6
678	176	678176	Myford	SL		1	0	12	2	6
678	177	678177	Myford	SL		1	0	7	2	6
678	178	678178	Myford	SL		1	0	22	2	6
678	179	678179	Myford	SL		1	0	22	2	6
678	185	678185	Pits	GRX-COS		1	0	6	6	20
678	185	678185	Pits	GRX-COS		2	6	60	6	20
678	186	678186	Ramona	FSL		1	0	8	2	6
678	187	678187	Ramona	GR-FSL		1	0	8	2	6
678	191	678191	Riverwash	S		1	0	6	6	20
678	191	678191	Riverwash	S		2	6	60	6	20
678	192	678192	Cieneba	SL		1	0	7	2	6
678	192	678192	Rock Outcrop	UWB		1	0	7	2	6
678	193	678193	San Andreas	SL		1	0	31	2	6
678	194	678194	San Emigdio	FSL		1	0	7	2	6
678	194	678194	San Emigdio	FSL		2	7	61	2	6
678	195	678195	San Emigdio	FSL		1	0	7	2	6
678	195	678195	San Emigdio	FSL		2	7	61	2	6
678	196	678196	San Emigdio	FSL		1	0	7	2	6
678	196	678196	San Emigdio	FSL		2	7	40	2	6
678	196	678196	San Emigdio	FSL		4	44	61	2	6
678	197	678197	Soboba	GR-LS		1	0	10	20	20
678	197	678197	Soboba	GR-LS		2	10	60	20	20
678	198	678198	Soboba	CB-LS		1	0	10	20	20
678	198	678198	Soboba	CB-LS		2	10	60	20	20
678	205	678205	Sorrento	SL		1	0	12	2	6
678	210	678210	Thapto-Histic Fluvaq	MK-C		3	21	56	0.06	6
678	212	678212	Rock Outcrop	UWB		1	0	8	6	20
678	212	678212	Tollhouse	COSL		1	0	8	6	20
678	213	678213	Vista	COSL		1	0	19	2	6
678	213	678213	Vista	COSL		2	19	39	2	6
678	214	678214	Vista	COSL		1	0	19	2	6
678	214	678214	Vista	COSL		2	19	39	2	6
678	215	678215	Vista	COSL		1	0	19	2	6
678	215	678215	Vista	COSL		2	19	39	2	6
678	216	678216	Rock Outcrop	UWB		1	0	19	2	6
678	216	678216	Rock Outcrop	UWB		2	19	39	2	6
678	216	678216	Vista	COSL		1	0	19	2	6
678	216	678216	Vista	COSL		2	19	39	2	6
678	221	678221	Yorba	GR-SL		1	0	11	0.6	6
678	222	678222	Yorba	GR-SL		1	0	11	0.6	6
678	223	678223	Yorba	GR-SL		1	0	11	0.6	6
678	224	678224	Yorba	CB-SL		1	0	11	0.6	6
678	225	678225	Yorba	CB-SL		1	0	7	0.6	6
678	226	678226	Yorba	CB-SL		1	0	11	0.6	6
683	100	683100	Antho	LFS		1	0	13	2	6
683	100	683100	Antho	LFS		2	13	27	2	6
683	100	683100	Antho	LFS		3	27	42	2	6
683	101	683101	Antho	LFS		1	0	6	2	6
683	101	683101	Antho	LFS		1	0	8	2	6
683	101	683101	Antho	LFS		2	6	60	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
683	101	683101	Antho	LFS		2	8	27	2	6
683	101	683101	Antho	LFS		3	27	45	2	6
683	101	683101	Superstition	FS		1	0	6	2	6
683	101	683101	Superstition	FS		1	0	8	2	6
683	101	683101	Superstition	FS		2	6	60	2	6
683	101	683101	Superstition	FS		2	8	27	2	6
683	101	683101	Superstition	FS		3	27	45	2	6
683	103	683103	Carsitas	GR-S		1	0	10	6	20
683	103	683103	Carsitas	GR-S		2	10	60	6	20
683	109	683109	Holtville	SIC		4	35	60	2	6
683	110	683110	Holtville	SIC		4	35	60	2	6
683	119	683119	Indio	L		1	0	10	2	6
683	119	683119	Indio	L		2	10	60	2	6
683	119	683119	Vint	LFS		1	0	10	2	6
683	119	683119	Vint	LFS		2	10	60	2	6
683	121	683121	Meloland	FS		1	0	12	2	6
683	123	683123	Holtville	L		4	36	60	2	6
683	123	683123	Meloland	L		4	36	60	2	6
683	124	683124	Niland	GR-S		1	0	23	6	20
683	125	683125	Niland	GR-S		1	0	23	6	20
683	126	683126	Niland	FS		1	0	23	6	20
683	127	683127	Niland	LFS		1	0	23	6	20
683	128	683128	Imperial	SIC		1	0	23	6	20
683	128	683128	Niland	GR-S		1	0	23	6	20
683	130	683130	Rositas	S		1	0	27	6	20
683	130	683130	Rositas	S		2	27	60	6	20
683	131	683131	Rositas	S		1	0	27	6	20
683	131	683131	Rositas	S		2	27	60	6	20
683	132	683132	Rositas	FS		1	0	9	6	20
683	132	683132	Rositas	FS		2	9	60	6	20
683	133	683133	Rositas	FS		1	0	9	6	20
683	133	683133	Rositas	FS		2	9	60	6	20
683	134	683134	Rositas	FS		1	0	9	6	20
683	134	683134	Rositas	FS		2	9	60	6	20
683	135	683135	Rositas	FS		1	0	9	6	20
683	135	683135	Rositas	FS		2	9	60	6	20
683	136	683136	Rositas	LFS		1	0	4	6	20
683	136	683136	Rositas	LFS		2	4	60	6	20
683	137	683137	Rositas	SIL		2	12	60	6	20
683	138	683138	Rositas	LFS		1	0	6	2	6
683	138	683138	Rositas	LFS		1	0	4	6	20
683	138	683138	Rositas	LFS		2	6	60	2	6
683	138	683138	Rositas	LFS		2	4	60	6	20
683	138	683138	Superstition	LFS		1	0	6	2	6
683	138	683138	Superstition	LFS		1	0	4	6	20
683	138	683138	Superstition	LFS		2	6	60	2	6
683	138	683138	Superstition	LFS		2	4	60	6	20
683	139	683139	Superstition	LFS		1	0	6	2	6
683	139	683139	Superstition	LFS		2	6	60	2	6
683	142	683142	Vint	LVFS		1	0	10	2	6
683	142	683142	Vint	LVFS		2	10	60	2	6
683	143	683143	Vint	FSL		2	10	60	2	6
683	144	683144	Indio	VFSL		2	10	40	2	6
683	144	683144	Vint	VFSL		2	10	40	2	6
684	101	684101	Avis	ST-SL		1	0	9	2	6
684	101	684101	Avis	ST-SL		2	9	60	6	20
684	106	684106	Dehill	FSL		1	0	15	2	6
684	106	684106	Dehill	FSL		2	15	60	2	6
684	107	684107	Dehill	FSL		1	0	15	2	6
684	107	684107	Dehill	FSL		2	15	60	2	6
684	108	684108	Demox	ST-SL		1	0	12	2	6
684	108	684108	Demox	ST-SL		2	12	62	2	6
684	109	684109	Demox	STV-SL		1	0	12	2	6
684	109	684109	Demox	STV-SL		2	12	62	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
684	109	684109	Rubbleland	FRAG		1	0	12	2	6
684	109	684109	Rubbleland	FRAG		2	12	62	2	6
684	110	684110	Doel	SL	THICK	1	0	14	2	6
684	110	684110	Doel	SL	THICK	2	14	21	2	6
684	110	684110	Doel	SL	THICK	3	21	29	2	6
684	110	684110	Doel	SL	THICK	5	48	60	6	20
684	111	684111	Dotta	SL		3	30	60	2	6
684	121	684121	Forbar	FS		1	0	7	6	20
684	121	684121	Forbar	FS		2	7	60	6	20
684	122	684122	Fordney	LFS		1	0	9	2	6
684	122	684122	Fordney	LFS		2	9	60	6	20
684	123	684123	Fordney	LFS		1	0	9	2	6
684	123	684123	Fordney	LFS		2	9	60	6	20
684	124	684124	Fordney	LFS		1	0	9	2	6
684	124	684124	Fordney	LFS		2	9	60	6	20
684	130	684130	Inlow	SIL	THICK	4	59	69	6	20
684	130	684130	Modoc	L	THICK	4	59	69	6	20
684	131	684131	Inlow	SIL	THICK	4	59	69	6	20
684	131	684131	Inlow	SIL	THICK	5	49	60	6	20
684	131	684131	Ocho	VFSL	THICK	4	59	69	6	20
684	131	684131	Ocho	VFSL	THICK	5	49	60	6	20
684	132	684132	Inlow	SIL	THICK	4	59	69	6	20
684	132	684132	Inlow	SIL	THICK	5	49	60	6	20
684	132	684132	Modoc	L	THICK	4	59	69	6	20
684	132	684132	Modoc	L	THICK	5	49	60	6	20
684	132	684132	Ocho	VFSL	THICK	4	59	69	6	20
684	132	684132	Ocho	VFSL	THICK	5	49	60	6	20
684	133	684133	Kalo	ST-SL		1	0	5	2	6
684	134	684134	Kalo	STV-SL		1	0	5	2	6
684	135	684135	Karoc	GRV-SL		1	0	3	2	6
684	135	684135	Karoc	GRV-SL		2	3	62	2	6
684	135	684135	Rock Outcrop			1	0	3	2	6
684	135	684135	Rock Outcrop			2	3	62	2	6
684	137	684137	Henley	SL	THICK	4	31	60	0.6	6
684	137	684137	Laki	FSL		4	31	60	0.6	6
684	140	684140	Lamath	SIL		2	21	53	6	20
684	140	684140	Lamath	SIL		3	53	60	2	6
684	141	684141	Leavers	SL		1	0	15	2	6
684	141	684141	Leavers	SL		2	15	25	2	6
684	141	684141	Leavers	SL		3	25	60	6	20
684	142	684142	Leavers	SL		1	0	15	2	6
684	142	684142	Leavers	SL		2	15	25	2	6
684	142	684142	Leavers	SL		3	25	60	6	20
684	144	684144	Adieux	SL		1	0	4	2	6
684	144	684144	Lequieu	STV-L		1	0	4	2	6
684	153	684153	Mudco	GR-SL	THICK	1	0	7	2	6
684	153	684153	Mudco	GR-SL	THICK	2	7	10	2	6
684	154	684154	Munnell	GR-L		3	32	60	6	20
684	155	684155	Munnell	GR-L		3	32	60	6	20
684	157	684157	Orset	SL		1	0	13	2	6
684	158	684158	Kalo	ST-SL		1	0	5	2	6
684	158	684158	Pinehurst	ST-SL		1	0	5	2	6
684	160	684160	Podus	LFS	THICK	1	0	18	2	6
684	160	684160	Podus	LFS	THICK	3	34	60	2	6
684	161	684161	Poe	LFS	THICK	1	0	12	2	6
684	161	684161	Poe	LFS	THICK	2	12	32	2	6
684	162	684162	Poman	LS	THICK	1	0	29	6	20
684	162	684162	Poman	LS	THICK	3	39	60	6	20
684	163	684163	Dotta	SL		3	30	60	2	6
684	163	684163	Dotta	SL		4	35	60	2	6
684	163	684163	Rangee Variant	CL	THICK	3	30	60	2	6
684	163	684163	Rangee Variant	CL	THICK	4	35	60	2	6
684	164	684164	Rojo	SL	THIN	1	0	13	2	6
684	164	684164	Rojo	SL	THIN	2	13	28	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
684	165	684165	Rojo	SL	THIN	1	0	13	2	6
684	165	684165	Rojo	SL	THIN	2	13	28	2	6
684	167	684167	Denbar	CL	THICK	3	29	48	2	6
684	167	684167	Salisbury	CB-L	THICK	3	29	48	2	6
684	173	684173	Orhood	CBV-L		1	0	8	2	6
684	173	684173	Orhood	CBV-L		3	29	36	2	6
684	173	684173	Searles	STV-L		1	0	8	2	6
684	173	684173	Searles	STV-L		3	29	36	2	6
684	173	684173	Truax	FSL		1	0	8	2	6
684	173	684173	Truax	FSL		3	29	36	2	6
684	175	684175	Sheld	ST-SL		1	0	9	2	6
684	175	684175	Sheld	ST-SL		2	9	17	2	6
684	176	684176	Sheld	STV-SL		1	0	9	2	6
684	176	684176	Sheld	STV-SL		2	9	17	2	6
684	181	684181	Truax	FSL		1	0	8	2	6
684	181	684181	Truax	FSL		3	29	36	2	6
684	182	684182	Searles	STV-L		1	0	8	2	6
684	182	684182	Searles	STV-L		3	29	36	2	6
684	182	684182	Searles	STV-L		4	36	60	2	6
684	182	684182	Truax	FSL		1	0	8	2	6
684	182	684182	Truax	FSL		3	29	36	2	6
684	182	684182	Truax	FSL		4	36	60	2	6
684	183	684183	Tulana	SIL		3	41	60	0.2	6
684	184	684184	Tulana Variant	MPT		1	0	22	6	20
684	186	684186	Zanbur	SL		1	0	8	2	6
684	186	684186	Zanbur	SL		2	8	20	6	20
684	187	684187	Zuman	LFS		1	0	4	6	20
684	187	684187	Zuman	LFS		3	14	60	6	20
684	188	684188	Zuman	SIL		3	14	60	6	20
687	106	687106	Bluenose	GRV-SL		1	0	15	2	6
687	106	687106	Gudgrey	GR-SCL		1	0	15	2	6
687	106	687106	Neuns	GRV-L		1	0	15	2	6
687	107	687107	Bluenose	GRV-SL		1	0	15	2	6
687	107	687107	Gudgrey	GR-SCL		1	0	15	2	6
687	107	687107	Neuns	GRV-L		1	0	15	2	6
687	108	687108	Bluenose	GRV-SL		1	0	15	2	6
687	108	687108	Gudgrey	GR-SCL		1	0	15	2	6
687	108	687108	Neuns	GRV-L		1	0	15	2	6
687	111	687111	Casabonne	GR-L		1	0	10	2	6
687	111	687111	Casabonne	GR-L		2	10	27	2	6
687	111	687111	Pardaloe	GR-L		1	0	10	2	6
687	111	687111	Pardaloe	GR-L		2	10	27	2	6
687	111	687111	Wohly	L		1	0	10	2	6
687	111	687111	Wohly	L		2	10	27	2	6
687	122	687122	Etsel	GR-L		1	0	7	2	6
687	122	687122	Rock Outcrop			1	0	7	2	6
687	122	687122	Woodin	GR-SL		1	0	7	2	6
687	128	687128	Gielow	SL		1	0	4	2	6
687	129	687129	Frenchman	GR-L		3	30	64	6	20
687	129	687129	Frenchman	GR-L		3	39	61	2	6
687	129	687129	Gschwend	L		3	30	64	6	20
687	129	687129	Gschwend	L		3	39	61	2	6
687	130	687130	Bluenose	GRV-SL		1	0	15	2	6
687	130	687130	Gudgrey	GR-SCL		1	0	15	2	6
687	130	687130	Neuns	GRV-L		1	0	15	2	6
687	131	687131	Bluenose	GRV-SL		1	0	15	2	6
687	131	687131	Gudgrey	GR-SCL		1	0	15	2	6
687	131	687131	Neuns	GRV-L		1	0	15	2	6
687	132	687132	Bluenose	GRV-SL		1	0	15	2	6
687	132	687132	Gudgrey	GR-SCL		1	0	15	2	6
687	132	687132	Neuns	GRV-L		1	0	15	2	6
687	134	687134	Argixerolls			1	0	3	2	6
687	134	687134	Argixerolls			3	30	37	2	6
687	134	687134	Argixerolls			4	37	60	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
687	134	687134	Haploxeralfs			1	0	3	2	6
687	134	687134	Haploxeralfs			3	30	37	2	6
687	134	687134	Haploxeralfs			4	37	60	2	6
687	138	687138	Casabonne	GR-L		1	0	4	2	6
687	138	687138	Casabonne	GR-L		1	0	6	2	6
687	138	687138	Casabonne	GR-L		3	15	61	6	20
687	138	687138	Casabonne	GR-L		4	24	35	2	6
687	138	687138	Hollowtree	GR-SL		1	0	4	2	6
687	138	687138	Hollowtree	GR-SL		1	0	6	2	6
687	138	687138	Hollowtree	GR-SL		3	15	61	6	20
687	138	687138	Hollowtree	GR-SL		4	24	35	2	6
687	138	687138	Holohan	GRV-SL		1	0	4	2	6
687	138	687138	Holohan	GRV-SL		1	0	6	2	6
687	138	687138	Holohan	GRV-SL		3	15	61	6	20
687	138	687138	Holohan	GRV-SL		4	24	35	2	6
687	139	687139	Casabonne	GR-L		1	0	4	2	6
687	139	687139	Casabonne	GR-L		1	0	6	2	6
687	139	687139	Casabonne	GR-L		3	15	61	6	20
687	139	687139	Casabonne	GR-L		4	24	35	2	6
687	139	687139	Hollowtree	GR-SL		1	0	4	2	6
687	139	687139	Hollowtree	GR-SL		1	0	6	2	6
687	139	687139	Hollowtree	GR-SL		3	15	61	6	20
687	139	687139	Hollowtree	GR-SL		4	24	35	2	6
687	139	687139	Holohan	GRV-SL		1	0	4	2	6
687	139	687139	Holohan	GRV-SL		1	0	6	2	6
687	139	687139	Holohan	GRV-SL		3	15	61	6	20
687	139	687139	Holohan	GRV-SL		4	24	35	2	6
687	140	687140	Hollowtree	GR-SL		1	0	4	2	6
687	140	687140	Hollowtree	GR-SL		1	0	6	2	6
687	140	687140	Hollowtree	GR-SL		3	15	61	6	20
687	140	687140	Hollowtree	GR-SL		4	24	35	2	6
687	140	687140	Holohan	GRV-SL		1	0	4	2	6
687	140	687140	Holohan	GRV-SL		1	0	6	2	6
687	140	687140	Holohan	GRV-SL		3	15	61	6	20
687	140	687140	Holohan	GRV-SL		4	24	35	2	6
687	152	687152	Hopland	L		1	0	7	2	6
687	152	687152	Woodin	GR-SL		1	0	7	2	6
687	153	687153	Hopland	L		1	0	7	2	6
687	153	687153	Woodin	GR-SL		1	0	7	2	6
687	157	687157	Etsel	GR-L		1	0	4	2	6
687	157	687157	Hopland	L		1	0	4	2	6
687	157	687157	Mayacama	GR-L		1	0	4	2	6
687	159	687159	Etsel	GR-L		1	0	4	2	6
687	159	687159	Mayacama	GR-L		1	0	4	2	6
687	159	687159	Maymen	SL		1	0	4	2	6
687	161	687161	Etsel	GR-L		1	0	7	2	6
687	161	687161	Maymen	SL		1	0	7	2	6
687	161	687161	Woodin	GR-SL		1	0	7	2	6
687	162	687162	Etsel	GR-L		1	0	7	2	6
687	162	687162	Maymen	SL		1	0	7	2	6
687	162	687162	Woodin	GR-SL		1	0	7	2	6
687	163	687163	Nashmead	GR-SL		1	0	7	2	6
687	163	687163	Nashmead	GR-SL		1	0	11	2	6
687	163	687163	Nashmead	GR-SL		2	11	24	2	6
687	163	687163	Updegraff	L		1	0	7	2	6
687	163	687163	Updegraff	L		1	0	11	2	6
687	163	687163	Updegraff	L		2	11	24	2	6
687	163	687163	Woodin	GR-SL		1	0	7	2	6
687	163	687163	Woodin	GR-SL		1	0	11	2	6
687	163	687163	Woodin	GR-SL		2	11	24	2	6
687	164	687164	Nashmead	GR-SL		1	0	7	2	6
687	164	687164	Nashmead	GR-SL		1	0	11	2	6
687	164	687164	Nashmead	GR-SL		2	11	24	2	6
687	164	687164	Updegraff	L		1	0	7	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
687	164	687164	Updegraff	L		1	0	11	2	6
687	164	687164	Updegraff	L		2	11	24	2	6
687	164	687164	Woodin	GR-SL		1	0	7	2	6
687	164	687164	Woodin	GR-SL		1	0	11	2	6
687	164	687164	Woodin	GR-SL		2	11	24	2	6
687	165	687165	Nashmead	GR-SL		1	0	7	2	6
687	165	687165	Nashmead	GR-SL		1	0	11	2	6
687	165	687165	Nashmead	GR-SL		2	11	24	2	6
687	165	687165	Woodin	GR-SL		1	0	7	2	6
687	165	687165	Woodin	GR-SL		1	0	11	2	6
687	165	687165	Woodin	GR-SL		2	11	24	2	6
687	166	687166	Nashmead	GR-SL		1	0	7	2	6
687	166	687166	Nashmead	GR-SL		1	0	11	2	6
687	166	687166	Nashmead	GR-SL		2	11	24	2	6
687	166	687166	Woodin	GR-SL		1	0	7	2	6
687	166	687166	Woodin	GR-SL		1	0	11	2	6
687	166	687166	Woodin	GR-SL		2	11	24	2	6
687	167	687167	Bluenose	GRV-SL		1	0	15	2	6
687	167	687167	Neuns	GRV-L		1	0	15	2	6
687	167	687167	Tyson	GRV-L		1	0	15	2	6
687	168	687168	Bluenose	GRV-SL		1	0	15	2	6
687	168	687168	Neuns	GRV-L		1	0	15	2	6
687	168	687168	Tyson	GRV-L		1	0	15	2	6
687	172	687172	Casabonne	GR-L		1	0	10	2	6
687	172	687172	Casabonne	GR-L		2	10	27	2	6
687	172	687172	Kekawaka	L		1	0	10	2	6
687	172	687172	Kekawaka	L		2	10	27	2	6
687	172	687172	Pardaloe	GR-L		1	0	10	2	6
687	172	687172	Pardaloe	GR-L		2	10	27	2	6
687	173	687173	Casabonne	GR-L		1	0	7	2	6
687	173	687173	Casabonne	GR-L		1	0	10	2	6
687	173	687173	Casabonne	GR-L		2	10	27	2	6
687	173	687173	Pardaloe	GR-L		1	0	7	2	6
687	173	687173	Pardaloe	GR-L		1	0	10	2	6
687	173	687173	Pardaloe	GR-L		2	10	27	2	6
687	173	687173	Woodin	GR-SL		1	0	7	2	6
687	173	687173	Woodin	GR-SL		1	0	10	2	6
687	173	687173	Woodin	GR-SL		2	10	27	2	6
687	174	687174	Pardaloe	GR-L		1	0	7	2	6
687	174	687174	Pardaloe	GR-L		1	0	10	2	6
687	174	687174	Pardaloe	GR-L		2	10	27	2	6
687	174	687174	Woodin	GR-SL		1	0	7	2	6
687	174	687174	Woodin	GR-SL		1	0	10	2	6
687	174	687174	Woodin	GR-SL		2	10	27	2	6
687	190	687190	Russian	L		2	30	51	2	6
687	190	687190	Russian	L		3	51	60	6	20
687	203	687203	Talmage	GR-SL		1	0	9	2	6
687	203	687203	Talmage	GR-SL		2	9	33	2	6
687	203	687203	Talmage	GR-SL		3	33	66	6	20
687	204	687204	Talmage	GRV-SL		1	0	9	2	6
687	204	687204	Talmage	GRV-SL		2	9	33	2	6
687	204	687204	Talmage	GRV-SL		3	33	66	6	20
687	213	687213	Casabonne	GR-L		1	0	10	2	6
687	213	687213	Casabonne	GR-L		2	10	27	2	6
687	213	687213	Pardaloe	GR-L		1	0	10	2	6
687	213	687213	Pardaloe	GR-L		2	10	27	2	6
687	213	687213	Wohly	L		1	0	10	2	6
687	213	687213	Wohly	L		2	10	27	2	6
687	214	687214	Xerochrepts			2	12	36	2	6
687	215	687215	Argixerolls			1	0	3	2	6
687	215	687215	Argixerolls			2	12	36	2	6
687	215	687215	Argixerolls			3	30	37	2	6
687	215	687215	Argixerolls			4	37	60	2	6
687	215	687215	Haploxeralfs			1	0	3	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
687	215	687215	Haploxeralfs			2	12	36	2	6
687	215	687215	Haploxeralfs			3	30	37	2	6
687	215	687215	Haploxeralfs			4	37	60	2	6
687	215	687215	Xerochrepts			1	0	3	2	6
687	215	687215	Xerochrepts			2	12	36	2	6
687	215	687215	Xerochrepts			3	30	37	2	6
687	215	687215	Xerochrepts			4	37	60	2	6
687	216	687216	Argixerolls			1	0	3	2	6
687	216	687216	Argixerolls			2	12	36	2	6
687	216	687216	Argixerolls			3	30	37	2	6
687	216	687216	Argixerolls			4	37	60	2	6
687	216	687216	Haploxeralfs			1	0	3	2	6
687	216	687216	Haploxeralfs			2	12	36	2	6
687	216	687216	Haploxeralfs			3	30	37	2	6
687	216	687216	Haploxeralfs			4	37	60	2	6
687	216	687216	Xerochrepts			1	0	3	2	6
687	216	687216	Xerochrepts			2	12	36	2	6
687	216	687216	Xerochrepts			3	30	37	2	6
687	216	687216	Xerochrepts			4	37	60	2	6
687	217	687217	Xerofluvents			1	0	15	2	6
687	217	687217	Xerofluvents			2	15	29	6	20
687	217	687217	Xerofluvents			3	29	48	2	6
687	217	687217	Xerofluvents			4	48	60	6	20
687	218	687218	Riverwash			1	0	15	2	6
687	218	687218	Riverwash			2	15	29	6	20
687	218	687218	Riverwash			3	29	48	2	6
687	218	687218	Riverwash			4	48	60	6	20
687	218	687218	Xerofluvents			1	0	15	2	6
687	218	687218	Xerofluvents			2	15	29	6	20
687	218	687218	Xerofluvents			3	29	48	2	6
687	218	687218	Xerofluvents			4	48	60	6	20
687	221	687221	Yokayo	SL		1	0	8	2	6
687	222	687222	Yokayo	SL		1	0	8	2	6
687	223	687223	Yokayo	SL		1	0	8	2	6
687	224	687224	Pinnobie	L		1	0	8	2	6
687	224	687224	Pinole	GR-L		1	0	8	2	6
687	224	687224	Yokayo	SL		1	0	8	2	6
687	225	687225	Hopland	L		1	0	7	2	6
687	225	687225	Woodin	GR-SL		1	0	7	2	6
687	225	687225	Yorktree	L		1	0	7	2	6
687	226	687226	Hopland	L		1	0	7	2	6
687	226	687226	Woodin	GR-SL		1	0	7	2	6
687	226	687226	Yorktree	L		1	0	7	2	6
689	105	689105	Barnabe	GRV-SL		1	0	7	2	6
689	105	689105	Candlestick	FSL		1	0	7	2	6
689	106	689106	Barnabe	GRV-SL		1	0	7	2	6
689	106	689106	Rock Outrock	UWB		1	0	7	2	6
689	109	689109	Barnabe	GRV-SL		1	0	7	2	6
689	109	689109	Candlestick	FSL		1	0	7	2	6
689	110	689110	Buriburi	GR-L		1	0	3	2	6
689	110	689110	Candlestick	FSL		1	0	3	2	6
689	110	689110	Kron	SL		1	0	3	2	6
689	125	689125	Dumps	VAR		1	0	6	6	20
689	125	689125	Dumps	VAR		2	6	60	6	20
689	125	689125	Pits	GRX-COS		1	0	6	6	20
689	125	689125	Pits	GRX-COS		2	6	60	6	20
689	128	689128	Miramar	L		1	0	16	2	6
689	128	689128	Miramar	L		2	16	25	2	6
689	128	689128	Scarper	GR-COSL		1	0	16	2	6
689	128	689128	Scarper	GR-COSL		2	16	25	2	6
689	129	689129	Sirdrak	S		1	0	17	6	20
689	129	689129	Sirdrak	S		2	17	60	6	20
689	136	689136	Sirdrak	S		1	0	17	6	20
689	136	689136	Sirdrak	S		2	17	60	6	20

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
689	136	689136	Urban Land	VAR		1	0	17	6	20
689	136	689136	Urban Land	VAR		2	17	60	6	20
691	101	691101	Bakersfield	FSL		1	0	16	2	6
691	110	691110	Buttonwillow	C		2	30	43	2	6
691	120	691120	Cajon	LS		1	0	20	6	20
691	120	691120	Cajon	LS		2	20	36	6	20
691	120	691120	Cajon	LS		3	36	62	6	20
691	121	691121	Cajon	LS		1	0	12	6	20
691	121	691121	Cajon	LS		2	12	34	6	20
691	121	691121	Cajon	LS		3	34	62	6	20
691	122	691122	Cajon	LS		1	0	6	6	20
691	122	691122	Cajon	LS		2	6	48	6	20
691	123	691123	Cajon	SL		1	0	12	2	6
691	123	691123	Cajon	SL		2	12	34	6	20
691	123	691123	Cajon	SL		3	34	60	6	20
691	132	691132	Cerini	L		3	47	69	2	6
691	191	691191	Condor	SL		1	0	6	2	6
691	191	691191	Condor	SL		2	6	12	2	6
691	191	691191	Condor	SL		3	12	36	2	6
691	191	691191	Condor	SL		4	36	60	6	20
691	200	691200	Hesperia	LS		1	0	12	6	20
691	200	691200	Hesperia	LS		2	12	22	2	6
691	200	691200	Hesperia	LS		3	22	60	2	6
691	201	691201	Hesperia	SL		1	0	33	2	6
691	201	691201	Hesperia	SL		2	33	60	2	6
691	210	691210	Kimberlina	FSL		1	0	10	2	6
691	210	691210	Kimberlina	FSL		2	10	60	2	6
691	211	691211	Kimberlina	FSL		1	0	8	2	6
691	211	691211	Kimberlina	FSL		2	8	60	2	6
691	212	691212	Kimberlina	FSL		1	0	17	2	6
691	242	691242	Millux	CL		1	0	1	2	6
691	242	691242	Millux	CL		2	1	5	2	6
691	242	691242	Tennco	FSL		1	0	1	2	6
691	242	691242	Tennco	FSL		2	1	5	2	6
691	243	691243	Millux	C		1	0	8	2	6
691	243	691243	Millux	C		2	8	52	2	6
691	243	691243	Zalvidea	SL		1	0	8	2	6
691	243	691243	Zalvidea	SL		2	8	52	2	6
691	280	691280	Premier	SL		1	0	16	2	6
691	280	691280	Premier	SL		2	16	60	2	6
691	281	691281	Premier	SL		1	0	15	2	6
691	281	691281	Premier	SL		2	15	35	2	6
691	300	691300	Tennco	FSL		1	0	1	2	6
691	300	691300	Tennco	FSL		2	1	5	2	6
691	320	691320	Wasco	SL		1	0	17	2	6
691	320	691320	Wasco	SL		2	17	60	2	6
691	330	691330	Wasioja	SL		1	0	29	2	6
691	330	691330	Wasioja	SL		3	35	60	2	6
691	360	691360	Wheelridge	GR-LS		1	0	13	6	20
691	360	691360	Wheelridge	GR-LS		2	13	27	6	20
691	360	691360	Wheelridge	GR-LS		3	27	44	6	20
691	360	691360	Wheelridge	GR-LS		4	44	65	6	20
691	361	691361	Wheelridge	GR-SL		1	0	13	6	20
691	361	691361	Wheelridge	GR-SL		2	13	27	6	20
691	361	691361	Wheelridge	GR-SL		3	27	44	6	20
691	361	691361	Wheelridge	GR-SL		4	44	65	6	20
691	370	691370	Whitewolf	LS		1	0	32	6	20
691	370	691370	Whitewolf	LS		2	32	65	6	20
691	371	691371	Whitewolf	LS		1	0	15	6	20
691	371	691371	Whitewolf	LS		2	15	60	6	20
691	380	691380	Zalvidea	SL		1	0	8	2	6
691	380	691380	Zalvidea	SL		2	8	52	2	6
691	381	691381	Zalvidea	SCL		2	15	40	2	6
694	101	694101	Abalobadiah	L		1	0	2	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
694	101	694101	Abalobadiah	L		1	0	4	2	6
694	101	694101	Abalobadiah	L		1	0	13	2	6
694	101	694101	Abalobadiah	L		3	21	39	2	6
694	101	694101	Bruhel	L		1	0	2	2	6
694	101	694101	Bruhel	L		1	0	4	2	6
694	101	694101	Bruhel	L		1	0	13	2	6
694	101	694101	Bruhel	L		3	21	39	2	6
694	101	694101	Vizcaino	L		1	0	2	2	6
694	101	694101	Vizcaino	L		1	0	4	2	6
694	101	694101	Vizcaino	L		1	0	13	2	6
694	101	694101	Vizcaino	L		3	21	39	2	6
694	102	694102	Abalobadiah	L		1	0	2	2	6
694	102	694102	Abalobadiah	L		1	0	4	2	6
694	102	694102	Abalobadiah	L		1	0	13	2	6
694	102	694102	Abalobadiah	L		3	21	39	2	6
694	102	694102	Bruhel	L		1	0	2	2	6
694	102	694102	Bruhel	L		1	0	4	2	6
694	102	694102	Bruhel	L		1	0	13	2	6
694	102	694102	Bruhel	L		3	21	39	2	6
694	102	694102	Vizcaino	L		1	0	2	2	6
694	102	694102	Vizcaino	L		1	0	4	2	6
694	102	694102	Vizcaino	L		1	0	13	2	6
694	102	694102	Vizcaino	L		3	21	39	2	6
694	107	694107	Bigriver	LS		1	0	6	6	20
694	107	694107	Bigriver	LS		2	6	63	2	6
694	108	694108	Aborigine	SL		1	0	6	2	6
694	108	694108	Aborigine	SL		1	0	7	6	20
694	108	694108	Aborigine	SL		2	7	14	2	6
694	108	694108	Aborigine	SL		4	61	64	6	20
694	108	694108	Blacklock	LS	THICK	1	0	6	2	6
694	108	694108	Blacklock	LS	THICK	1	0	7	6	20
694	108	694108	Blacklock	LS	THICK	2	7	14	2	6
694	108	694108	Blacklock	LS	THICK	4	61	64	6	20
694	112	694112	Branscomb	GRV-L		1	0	10	2	6
694	112	694112	Usal	GR-L		1	0	10	2	6
694	113	694113	Branscomb	GRV-L		1	0	10	2	6
694	113	694113	Usal	GR-L		1	0	10	2	6
694	114	694114	Bruhel	L		1	0	4	2	6
694	115	694115	Abalobadiah	L		1	0	2	2	6
694	115	694115	Abalobadiah	L		1	0	13	2	6
694	115	694115	Abalobadiah	L		1	0	4	2	6
694	115	694115	Abalobadiah	L		3	21	39	2	6
694	115	694115	Bruhel	L		1	0	2	2	6
694	115	694115	Bruhel	L		1	0	13	2	6
694	115	694115	Bruhel	L		1	0	4	2	6
694	115	694115	Bruhel	L		3	21	39	2	6
694	115	694115	Vizcaino	L		1	0	2	2	6
694	115	694115	Vizcaino	L		1	0	13	2	6
694	115	694115	Vizcaino	L		1	0	4	2	6
694	115	694115	Vizcaino	L		3	21	39	2	6
694	116	694116	Bruhel	L		1	0	4	2	6
694	116	694116	Shinglemill	L		1	0	4	2	6
694	117	694117	Cabrillo	SL		1	0	34	2	6
694	117	694117	Cabrillo	SL		1	0	26	2	6
694	117	694117	Cabrillo	SL		2	34	65	6	20
694	117	694117	Cabrillo	SL		4	50	60	2	6
694	117	694117	Heeser	SL		1	0	34	2	6
694	117	694117	Heeser	SL		1	0	26	2	6
694	117	694117	Heeser	SL		2	34	65	6	20
694	117	694117	Heeser	SL		4	50	60	2	6
694	118	694118	Carlain	L		3	29	61	2	6
694	121	694121	Casabonne	GR-L		1	0	11	2	6
694	121	694121	Casabonne	GR-L		2	11	26	2	6
694	121	694121	Pardaloe	GRV-L		1	0	11	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
694	121	694121	Pardaloe	GRV-L		2	11	26	2	6
694	121	694121	Wohly	L		1	0	11	2	6
694	121	694121	Wohly	L		2	11	26	2	6
694	122	694122	Caspar	SL		1	0	16	2	6
694	122	694122	Caspar	SL		4	48	62	2	6
694	123	694123	Caspar	SL		1	0	4	2	6
694	123	694123	Caspar	SL		1	0	16	2	6
694	123	694123	Caspar	SL		4	48	62	2	6
694	123	694123	Caspar	SL		6	60	64	2	6
694	123	694123	Quinliven	SL		1	0	4	2	6
694	123	694123	Quinliven	SL		1	0	16	2	6
694	123	694123	Quinliven	SL		4	48	62	2	6
694	123	694123	Quinliven	SL		6	60	64	2	6
694	124	694124	Caspar	SL		1	0	7	2	6
694	124	694124	Caspar	SL		1	0	4	2	6
694	124	694124	Caspar	SL		1	0	16	2	6
694	124	694124	Caspar	SL		4	48	62	2	6
694	124	694124	Caspar	SL		6	60	64	2	6
694	124	694124	Ferncreek	SL		1	0	7	2	6
694	124	694124	Ferncreek	SL		1	0	4	2	6
694	124	694124	Ferncreek	SL		1	0	16	2	6
694	124	694124	Ferncreek	SL		4	48	62	2	6
694	124	694124	Ferncreek	SL		6	60	64	2	6
694	124	694124	Quinliven	SL		1	0	7	2	6
694	124	694124	Quinliven	SL		1	0	4	2	6
694	124	694124	Quinliven	SL		1	0	16	2	6
694	124	694124	Quinliven	SL		4	48	62	2	6
694	124	694124	Quinliven	SL		6	60	64	2	6
694	125	694125	Cleone	LS		1	0	3	6	20
694	125	694125	Cleone	LS		2	3	7	2	6
694	125	694125	Cleone	LS		3	7	13	2	6
694	125	694125	Cleone	LS		4	13	40	2	6
694	125	694125	Cleone	LS		5	40	62	6	20
694	129	694129	Comptche	GR-L		1	0	6	2	6
694	129	694129	Zeni	L		1	0	6	2	6
694	130	694130	Comptche	GR-L		1	0	6	2	6
694	130	694130	Zeni	L		1	0	6	2	6
694	134	694134	Dann	CBV-CL		1	0	10	2	6
694	134	694134	Hiltabidel	STV-CL		1	0	10	2	6
694	134	694134	Littlered	CL		1	0	10	2	6
694	135	694135	Dehaven	GR-L		1	0	8	2	6
694	135	694135	Dehaven	GR-L		1	0	17	2	6
694	135	694135	Hotel	GRV-L		1	0	8	2	6
694	135	694135	Hotel	GRV-L		1	0	17	2	6
694	136	694136	Dehaven	GR-L		1	0	8	2	6
694	136	694136	Dehaven	GR-L		1	0	17	2	6
694	136	694136	Hotel	GRV-L		1	0	8	2	6
694	136	694136	Hotel	GRV-L		1	0	17	2	6
694	137	694137	Dehaven	GR-L		1	0	8	2	6
694	137	694137	Dehaven	GR-L		1	0	17	2	6
694	137	694137	Hotel	GRV-L		1	0	8	2	6
694	137	694137	Hotel	GRV-L		1	0	17	2	6
694	137	694137	Irmulco	L		1	0	8	2	6
694	137	694137	Irmulco	L		1	0	17	2	6
694	141	694141	Ferncreek	SL		1	0	7	2	6
694	147	694147	Gibney	L		1	0	12	6	20
694	147	694147	Gibney	L		5	42	65	6	20
694	147	694147	Gibwell	LS		1	0	12	6	20
694	147	694147	Gibwell	LS		5	42	65	6	20
694	148	694148	Gibwell	LS		1	0	12	6	20
694	148	694148	Gibwell	LS		5	42	65	6	20
694	149	694149	Gibwell	LS		1	0	12	6	20
694	149	694149	Gibwell	LS		5	42	65	6	20
694	150	694150	Glenblair	GR-L		1	0	10	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
694	151	694151	Glenblair	GR-L		1	0	10	2	6
694	152	694152	Glenblair	GR-L		1	0	10	2	6
694	153	694153	Frenchman	GRV-SL		1	0	10	2	6
694	153	694153	Frenchman	GRV-SL		3	30	62	6	20
694	153	694153	Frenchman	GRV-SL		4	35	61	2	6
694	153	694153	Gschwend	L		1	0	10	2	6
694	153	694153	Gschwend	L		3	30	62	6	20
694	153	694153	Gschwend	L		4	35	61	2	6
694	157	694157	Harecreek	SL		1	0	8	2	6
694	157	694157	Harecreek	SL		2	8	16	2	6
694	157	694157	Harecreek	SL		3	16	43	2	6
694	157	694157	Harecreek	SL		4	43	60	6	20
694	158	694158	Havensneck	SL		1	0	7	6	20
694	158	694158	Havensneck	SL		2	7	21	6	20
694	159	694159	Havensneck	SL		1	0	7	6	20
694	159	694159	Havensneck	SL		2	7	21	6	20
694	160	694160	Havensneck	SL		1	0	1	6	20
694	160	694160	Havensneck	SL		1	0	7	6	20
694	160	694160	Havensneck	SL		2	1	7	6	20
694	160	694160	Havensneck	SL		2	7	21	6	20
694	160	694160	Seaside	LS		1	0	1	6	20
694	160	694160	Seaside	LS		1	0	7	6	20
694	160	694160	Seaside	LS		2	1	7	6	20
694	160	694160	Seaside	LS		2	7	21	6	20
694	161	694161	Heeser	SL		1	0	34	2	6
694	161	694161	Heeser	SL		2	34	65	6	20
694	163	694163	Hollowtree	GR-SL		1	0	6	2	6
694	163	694163	Hollowtree	GR-SL		1	0	4	2	6
694	163	694163	Hollowtree	GR-SL		3	17	74	6	20
694	163	694163	Holohan	GRX-SL		1	0	6	2	6
694	163	694163	Holohan	GRX-SL		1	0	4	2	6
694	163	694163	Holohan	GRX-SL		3	17	74	6	20
694	164	694164	Casabonne	GR-L		1	0	6	2	6
694	164	694164	Casabonne	GR-L		1	0	4	2	6
694	164	694164	Casabonne	GR-L		3	17	74	6	20
694	164	694164	Hollowtree	GR-SL		1	0	6	2	6
694	164	694164	Hollowtree	GR-SL		1	0	4	2	6
694	164	694164	Hollowtree	GR-SL		3	17	74	6	20
694	164	694164	Holohan	GRX-SL		1	0	6	2	6
694	164	694164	Holohan	GRX-SL		1	0	4	2	6
694	164	694164	Holohan	GRX-SL		3	17	74	6	20
694	165	694165	Casabonne	GR-L		1	0	6	2	6
694	165	694165	Casabonne	GR-L		1	0	4	2	6
694	165	694165	Casabonne	GR-L		3	17	74	6	20
694	165	694165	Hollowtree	GR-SL		1	0	6	2	6
694	165	694165	Hollowtree	GR-SL		1	0	4	2	6
694	165	694165	Hollowtree	GR-SL		3	17	74	6	20
694	165	694165	Holohan	GRX-SL		1	0	6	2	6
694	165	694165	Holohan	GRX-SL		1	0	4	2	6
694	165	694165	Holohan	GRX-SL		3	17	74	6	20
694	177	694177	Iversen	SL		1	0	7	2	6
694	179	694179	Littlered	CL		1	0	10	2	6
694	180	694180	Mackerricher	SL		1	0	12	2	6
694	180	694180	Mackerricher	SL		2	12	62	6	20
694	181	694181	Mackerricher	SL		1	0	12	2	6
694	181	694181	Mackerricher	SL		2	12	62	6	20
694	182	694182	Mallopass	L		1	0	14	2	6
694	183	694183	Mallopass	L		1	0	14	2	6
694	184	694184	Mallopass	L		1	0	14	2	6
694	186	694186	Etsel	GR-SL		1	0	6	2	6
694	186	694186	Maymen	L		1	0	6	2	6
694	186	694186	Woodin	GRX-SL		1	0	6	2	6
694	190	694190	Pardaloe	GRV-L		1	0	6	2	6
694	190	694190	Pardaloe	GRV-L		1	0	11	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
694	190	694190	Pardaloe	GRV-L		2	11	26	2	6
694	190	694190	Woodin	GRX-SL		1	0	6	2	6
694	190	694190	Woodin	GRX-SL		1	0	11	2	6
694	190	694190	Woodin	GRX-SL		2	11	26	2	6
694	191	694191	Casabonne	GR-L		1	0	6	2	6
694	191	694191	Casabonne	GR-L		1	0	11	2	6
694	191	694191	Casabonne	GR-L		2	11	26	2	6
694	191	694191	Pardaloe	GRV-L		1	0	6	2	6
694	191	694191	Pardaloe	GRV-L		1	0	11	2	6
694	191	694191	Pardaloe	GRV-L		2	11	26	2	6
694	191	694191	Woodin	GRX-SL		1	0	6	2	6
694	191	694191	Woodin	GRX-SL		1	0	11	2	6
694	191	694191	Woodin	GRX-SL		2	11	26	2	6
694	196	694196	Ferncreek	SL		1	0	7	2	6
694	196	694196	Ferncreek	SL		1	0	4	2	6
694	196	694196	Ferncreek	SL		6	60	64	2	6
694	196	694196	Quinliven	SL		1	0	7	2	6
694	196	694196	Quinliven	SL		1	0	4	2	6
694	196	694196	Quinliven	SL		6	60	64	2	6
694	198	694198	Rock Outcrop			1	0	1	6	20
694	198	694198	Rock Outcrop			2	1	7	6	20
694	198	694198	Seaside	LS		1	0	1	6	20
694	198	694198	Seaside	LS		2	1	7	6	20
694	200	694200	Shortyork	L		4	21	31	2	6
694	200	694200	Tyson	GR-L		4	21	31	2	6
694	200	694200	Witherell	L		4	21	31	2	6
694	201	694201	Shortyork	L		4	21	31	2	6
694	201	694201	Witherell	L		4	21	31	2	6
694	201	694201	Yorkville	CL		4	21	31	2	6
694	202	694202	Shortyork	L		4	21	31	2	6
694	202	694202	Witherell	L		4	21	31	2	6
694	202	694202	Yorkville	CL		4	21	31	2	6
694	203	694203	Shortyork	L		4	21	31	2	6
694	203	694203	Witherell	L		4	21	31	2	6
694	203	694203	Yorkville	CL		4	21	31	2	6
694	204	694204	Sirdrak	LS		1	0	11	6	20
694	204	694204	Sirdrak	LS		2	11	65	6	20
694	209	694209	Stornetta	FSL		1	0	2	2	6
694	210	694210	Talmage	GR-L		1	0	12	2	6
694	210	694210	Talmage	GR-L		2	12	61	2	6
694	211	694211	Ornbaun	L		1	0	8	2	6
694	211	694211	Threechop	L		1	0	8	2	6
694	212	694212	Cleone	LS		1	0	3	6	20
694	212	694212	Cleone	LS		1	0	9	2	6
694	212	694212	Cleone	LS		2	3	7	2	6
694	212	694212	Cleone	LS		2	9	23	2	6
694	212	694212	Cleone	LS		3	7	13	2	6
694	212	694212	Cleone	LS		4	13	40	2	6
694	212	694212	Cleone	LS		5	40	62	6	20
694	212	694212	Tregoning	SL	THICK	1	0	3	6	20
694	212	694212	Tregoning	SL	THICK	1	0	9	2	6
694	212	694212	Tregoning	SL	THICK	2	3	7	2	6
694	212	694212	Tregoning	SL	THICK	2	9	23	2	6
694	212	694212	Tregoning	SL	THICK	3	7	13	2	6
694	212	694212	Tregoning	SL	THICK	4	13	40	2	6
694	212	694212	Tregoning	SL	THICK	5	40	62	6	20
694	213	694213	Cleone	LS		1	0	3	6	20
694	213	694213	Cleone	LS		1	0	9	2	6
694	213	694213	Cleone	LS		2	3	7	2	6
694	213	694213	Cleone	LS		2	9	23	2	6
694	213	694213	Cleone	LS		3	7	13	2	6
694	213	694213	Cleone	LS		4	13	40	2	6
694	213	694213	Cleone	LS		5	40	62	6	20
694	213	694213	Tregoning	SL	THICK	1	0	3	6	20

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
694	213	694213	Tregoning	SL	THICK	1	0	9	2	6
694	213	694213	Tregoning	SL	THICK	2	3	7	2	6
694	213	694213	Tregoning	SL	THICK	2	9	23	2	6
694	213	694213	Tregoning	SL	THICK	3	7	13	2	6
694	213	694213	Tregoning	SL	THICK	4	13	40	2	6
694	213	694213	Tregoning	SL	THICK	5	40	62	6	20
694	218	694218	Hopland	L		1	0	6	2	6
694	218	694218	Updegraff	L		1	0	6	2	6
694	218	694218	Woodin	GRX-SL		1	0	6	2	6
694	220	694220	Branscomb	GRV-L		1	0	10	2	6
694	220	694220	Usal	GR-L		1	0	10	2	6
694	222	694222	Caspar	SL		1	0	16	2	6
694	222	694222	Caspar	SL		1	0	9	2	6
694	222	694222	Caspar	SL		4	48	62	2	6
694	222	694222	Vandamme	SL		1	0	16	2	6
694	222	694222	Vandamme	SL		1	0	9	2	6
694	222	694222	Vandamme	SL		4	48	62	2	6
694	231	694231	Woodin	GRX-SL		1	0	6	2	6
694	231	694231	Yellowhound	GR-L		1	0	6	2	6
694	232	694232	Woodin	GRX-SL		1	0	6	2	6
694	232	694232	Yellowhound	GR-L		1	0	6	2	6
694	238	694238	Woodin	GRX-SL		1	0	6	2	6
694	238	694238	Yellowhound	GR-L		1	0	6	2	6
694	239	694239	Ornbaun	L		1	0	6	2	6
694	239	694239	Woodin	GR-SL		1	0	6	2	6
694	239	694239	Yellowhound	L		1	0	6	2	6
694	240	694240	Ornbaun	L		1	0	6	2	6
694	240	694240	Woodin	GRX-SL		1	0	6	2	6
694	240	694240	Yellowhound	GR-L		1	0	6	2	6
699	101	699101	Kajoe	COS		1	0	7	6	20
699	101	699101	Kajoe	COS		2	7	60	6	20
699	102	699102	Desfirex	LCOS		1	0	5	6	20
699	102	699102	Desfirex	LCOS		3	22	43	6	20
699	102	699102	Desfirex	LCOS		4	43	60	20	20
699	201	699201	Macagce	GRV-COSL		1	0	7	6	20
699	201	699201	Macagce	GRV-COSL		1	0	1	2	6
699	201	699201	Macagce	GRV-COSL		2	7	27	6	20
699	201	699201	Macagce	GRV-COSL		2	1	4	2	6
699	201	699201	Macagce	GRV-COSL		3	27	70	6	20
699	201	699201	Macagce	GRV-COSL		3	4	39	6	20
699	201	699201	Macagce	GRV-COSL		4	70	80	20	20
699	201	699201	Macagce	GRV-COSL		4	39	80	20	20
699	201	699201	Narea	GR-LCOS		1	0	7	6	20
699	201	699201	Narea	GR-LCOS		1	0	1	2	6
699	201	699201	Narea	GR-LCOS		2	7	27	6	20
699	201	699201	Narea	GR-LCOS		2	1	4	2	6
699	201	699201	Narea	GR-LCOS		3	27	70	6	20
699	201	699201	Narea	GR-LCOS		3	4	39	6	20
699	201	699201	Narea	GR-LCOS		4	70	80	20	20
699	201	699201	Narea	GR-LCOS		4	39	80	20	20
699	202	699202	Kajoe	COS		1	0	4	2	6
699	202	699202	Kajoe	COS		1	0	7	6	20
699	202	699202	Kajoe	COS		2	4	6	2	6
699	202	699202	Kajoe	COS		2	7	60	6	20
699	202	699202	Kajoe	COS		3	6	39	6	20
699	202	699202	Kajoe	COS		4	39	80	20	20
699	202	699202	Macagce	GR-COSL		1	0	4	2	6
699	202	699202	Macagce	GR-COSL		1	0	7	6	20
699	202	699202	Macagce	GR-COSL		2	4	6	2	6
699	202	699202	Macagce	GR-COSL		2	7	60	6	20
699	202	699202	Macagce	GR-COSL		3	6	39	6	20
699	202	699202	Macagce	GR-COSL		4	39	80	20	20
699	205	699205	Cajon	S		1	0	25	6	20
699	205	699205	Cajon	S		1	0	1	6	20

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
699	205	699205	Cajon	S		2	25	42	2	6
699	205	699205	Cajon	S		2	1	12	6	20
699	205	699205	Cajon	S		3	42	66	6	20
699	205	699205	Cajon	S		3	12	32	6	20
699	205	699205	Cajon	S		4	32	62	6	20
699	205	699205	Pipeflat	S		1	0	25	6	20
699	205	699205	Pipeflat	S		1	0	1	6	20
699	205	699205	Pipeflat	S		2	25	42	2	6
699	205	699205	Pipeflat	S		2	1	12	6	20
699	205	699205	Pipeflat	S		3	42	66	6	20
699	205	699205	Pipeflat	S		3	12	32	6	20
699	205	699205	Pipeflat	S		4	32	62	6	20
699	206	699206	Cax	GRV-COSL		1	0	1	6	20
699	206	699206	Cax	GRV-COSL		1	0	7	6	20
699	206	699206	Cax	GRV-COSL		1	0	1	2	6
699	206	699206	Cax	GRV-COSL		2	1	4	2	6
699	206	699206	Cax	GRV-COSL		2	7	27	6	20
699	206	699206	Cax	GRV-COSL		2	1	4	2	6
699	206	699206	Cax	GRV-COSL		3	27	70	6	20
699	206	699206	Cax	GRV-COSL		3	4	39	6	20
699	206	699206	Cax	GRV-COSL		4	8	18	2	6
699	206	699206	Cax	GRV-COSL		4	70	80	20	20
699	206	699206	Cax	GRV-COSL		4	39	80	20	20
699	206	699206	Cax	GRV-COSL		5	18	43	6	20
699	206	699206	Cax	GRV-COSL		6	43	80	20	20
699	206	699206	Macagce	GRV-COSL		1	0	1	6	20
699	206	699206	Macagce	GRV-COSL		1	0	7	6	20
699	206	699206	Macagce	GRV-COSL		1	0	1	2	6
699	206	699206	Macagce	GRV-COSL		2	1	4	2	6
699	206	699206	Macagce	GRV-COSL		2	7	27	6	20
699	206	699206	Macagce	GRV-COSL		2	1	4	2	6
699	206	699206	Macagce	GRV-COSL		3	27	70	6	20
699	206	699206	Macagce	GRV-COSL		3	4	39	6	20
699	206	699206	Macagce	GRV-COSL		4	8	18	2	6
699	206	699206	Macagce	GRV-COSL		4	70	80	20	20
699	206	699206	Macagce	GRV-COSL		4	39	80	20	20
699	206	699206	Macagce	GRV-COSL		5	18	43	6	20
699	206	699206	Macagce	GRV-COSL		6	43	80	20	20
699	206	699206	Narea	GR-LCOS		1	0	1	6	20
699	206	699206	Narea	GR-LCOS		1	0	7	6	20
699	206	699206	Narea	GR-LCOS		1	0	1	2	6
699	206	699206	Narea	GR-LCOS		2	1	4	2	6
699	206	699206	Narea	GR-LCOS		2	7	27	6	20
699	206	699206	Narea	GR-LCOS		2	1	4	2	6
699	206	699206	Narea	GR-LCOS		3	27	70	6	20
699	206	699206	Narea	GR-LCOS		3	4	39	6	20
699	206	699206	Narea	GR-LCOS		4	8	18	2	6
699	206	699206	Narea	GR-LCOS		4	70	80	20	20
699	206	699206	Narea	GR-LCOS		4	39	80	20	20
699	206	699206	Narea	GR-LCOS		5	18	43	6	20
699	206	699206	Narea	GR-LCOS		6	43	80	20	20
699	207	699207	Box	GR-COS		1	0	2	20	20
699	207	699207	Box	GR-COS		1	0	7	6	20
699	207	699207	Box	GR-COS		2	2	60	20	20
699	207	699207	Box	GR-COS		2	7	60	6	20
699	207	699207	Kajoe	COS		1	0	2	20	20
699	207	699207	Kajoe	COS		1	0	7	6	20
699	207	699207	Kajoe	COS		2	2	60	20	20
699	207	699207	Kajoe	COS		2	7	60	6	20
699	211	699211	Basnob	GRX-SL		1	0	2	6	20
699	211	699211	Basnob	GRX-SL		2	2	5	6	20
699	211	699211	Lava Flow	UWB		1	0	2	6	20
699	211	699211	Lava Flow	UWB		2	2	5	6	20
699	212	699212	Basnob	GRX-SL		1	0	2	6	20

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
699	212	699212	Basnob	GRX-SL		2	2	5	6	20
699	212	699212	Lava Flow	UWB		1	0	2	6	20
699	212	699212	Lava Flow	UWB		2	2	5	6	20
699	231	699231	Calcio	GR-SL		1	0	7	6	20
699	231	699231	Calcio	GR-SL		1	0	14	20	20
699	231	699231	Calcio	GR-SL		1	0	1	2	6
699	231	699231	Calcio	GR-SL		2	7	60	6	20
699	231	699231	Calcio	GR-SL		2	14	26	20	20
699	231	699231	Calcio	GR-SL		2	1	6	2	6
699	231	699231	Calcio	GR-SL		3	26	52	20	20
699	231	699231	Calcio	GR-SL		3	6	11	2	6
699	231	699231	Calcio	GR-SL		4	52	60	6	20
699	231	699231	Calcio	GR-SL		4	11	42	6	20
699	231	699231	Calcio	GR-SL		5	42	72	6	20
699	231	699231	Edalph	GR-S		1	0	7	6	20
699	231	699231	Edalph	GR-S		1	0	14	20	20
699	231	699231	Edalph	GR-S		1	0	1	2	6
699	231	699231	Edalph	GR-S		2	7	60	6	20
699	231	699231	Edalph	GR-S		2	14	26	20	20
699	231	699231	Edalph	GR-S		2	1	6	2	6
699	231	699231	Edalph	GR-S		3	26	52	20	20
699	231	699231	Edalph	GR-S		3	6	11	2	6
699	231	699231	Edalph	GR-S		4	52	60	6	20
699	231	699231	Edalph	GR-S		4	11	42	6	20
699	231	699231	Edalph	GR-S		5	42	72	6	20
699	231	699231	Kajoe	COS		1	0	7	6	20
699	231	699231	Kajoe	COS		1	0	14	20	20
699	231	699231	Kajoe	COS		1	0	1	2	6
699	231	699231	Kajoe	COS		2	7	60	6	20
699	231	699231	Kajoe	COS		2	14	26	20	20
699	231	699231	Kajoe	COS		2	1	6	2	6
699	231	699231	Kajoe	COS		3	26	52	20	20
699	231	699231	Kajoe	COS		3	6	11	2	6
699	231	699231	Kajoe	COS		4	52	60	6	20
699	231	699231	Kajoe	COS		4	11	42	6	20
699	231	699231	Kajoe	COS		5	42	72	6	20
699	232	699232	Cajon	S		1	0	1	6	20
699	232	699232	Cajon	S		1	0	14	20	20
699	232	699232	Cajon	S		2	1	12	6	20
699	232	699232	Cajon	S		2	14	26	20	20
699	232	699232	Cajon	S		3	12	32	6	20
699	232	699232	Cajon	S		3	26	52	20	20
699	232	699232	Cajon	S		4	32	62	6	20
699	232	699232	Cajon	S		4	52	60	6	20
699	232	699232	Edalph	GR-S		1	0	1	6	20
699	232	699232	Edalph	GR-S		1	0	14	20	20
699	232	699232	Edalph	GR-S		2	1	12	6	20
699	232	699232	Edalph	GR-S		2	14	26	20	20
699	232	699232	Edalph	GR-S		3	12	32	6	20
699	232	699232	Edalph	GR-S		3	26	52	20	20
699	232	699232	Edalph	GR-S		4	32	62	6	20
699	232	699232	Edalph	GR-S		4	52	60	6	20
699	233	699233	Calcio	GR-SL		1	0	1	2	6
699	233	699233	Calcio	GR-SL		1	0	7	6	20
699	233	699233	Calcio	GR-SL		1	0	14	20	20
699	233	699233	Calcio	GR-SL		2	1	6	2	6
699	233	699233	Calcio	GR-SL		2	7	60	6	20
699	233	699233	Calcio	GR-SL		2	14	26	20	20
699	233	699233	Calcio	GR-SL		3	6	11	2	6
699	233	699233	Calcio	GR-SL		3	26	52	20	20
699	233	699233	Calcio	GR-SL		4	11	42	6	20
699	233	699233	Calcio	GR-SL		4	52	60	6	20
699	233	699233	Calcio	GR-SL		5	42	72	6	20
699	233	699233	Edalph	GR-S		1	0	1	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
699	233	699233	Edalph	GR-S		1	0	7	6	20
699	233	699233	Edalph	GR-S		1	0	14	20	20
699	233	699233	Edalph	GR-S		2	1	6	2	6
699	233	699233	Edalph	GR-S		2	7	60	6	20
699	233	699233	Edalph	GR-S		2	14	26	20	20
699	233	699233	Edalph	GR-S		3	6	11	2	6
699	233	699233	Edalph	GR-S		3	26	52	20	20
699	233	699233	Edalph	GR-S		4	11	42	6	20
699	233	699233	Edalph	GR-S		4	52	60	6	20
699	233	699233	Edalph	GR-S		5	42	72	6	20
699	233	699233	Kajoe	COS		1	0	1	2	6
699	233	699233	Kajoe	COS		1	0	7	6	20
699	233	699233	Kajoe	COS		1	0	14	20	20
699	233	699233	Kajoe	COS		2	1	6	2	6
699	233	699233	Kajoe	COS		2	7	60	6	20
699	233	699233	Kajoe	COS		2	14	26	20	20
699	233	699233	Kajoe	COS		3	6	11	2	6
699	233	699233	Kajoe	COS		3	26	52	20	20
699	233	699233	Kajoe	COS		4	11	42	6	20
699	233	699233	Kajoe	COS		4	52	60	6	20
699	233	699233	Kajoe	COS		5	42	72	6	20
699	234	699234	Cajon	S		1	0	14	20	20
699	234	699234	Cajon	S		1	0	1	6	20
699	234	699234	Cajon	S		2	14	26	20	20
699	234	699234	Cajon	S		2	1	12	6	20
699	234	699234	Cajon	S		3	26	52	20	20
699	234	699234	Cajon	S		3	12	32	6	20
699	234	699234	Cajon	S		4	52	60	6	20
699	234	699234	Cajon	S		4	32	62	6	20
699	234	699234	Edalph	GR-S		1	0	14	20	20
699	234	699234	Edalph	GR-S		1	0	1	6	20
699	234	699234	Edalph	GR-S		2	14	26	20	20
699	234	699234	Edalph	GR-S		2	1	12	6	20
699	234	699234	Edalph	GR-S		3	26	52	20	20
699	234	699234	Edalph	GR-S		3	12	32	6	20
699	234	699234	Edalph	GR-S		4	52	60	6	20
699	234	699234	Edalph	GR-S		4	32	62	6	20
699	242	699242	Cax	GRV-COSL		1	0	1	6	20
699	242	699242	Cax	GRV-COSL		1	0	7	6	20
699	242	699242	Cax	GRV-COSL		1	0	4	2	6
699	242	699242	Cax	GRV-COSL		2	1	4	2	6
699	242	699242	Cax	GRV-COSL		2	7	27	6	20
699	242	699242	Cax	GRV-COSL		2	4	6	2	6
699	242	699242	Cax	GRV-COSL		3	27	70	6	20
699	242	699242	Cax	GRV-COSL		3	6	39	6	20
699	242	699242	Cax	GRV-COSL		4	8	18	2	6
699	242	699242	Cax	GRV-COSL		4	70	80	20	20
699	242	699242	Cax	GRV-COSL		4	39	80	20	20
699	242	699242	Cax	GRV-COSL		5	18	43	6	20
699	242	699242	Cax	GRV-COSL		6	43	80	20	20
699	242	699242	Macagce	GR-COSL		1	0	1	6	20
699	242	699242	Macagce	GR-COSL		1	0	7	6	20
699	242	699242	Macagce	GR-COSL		1	0	4	2	6
699	242	699242	Macagce	GR-COSL		2	1	4	2	6
699	242	699242	Macagce	GR-COSL		2	7	27	6	20
699	242	699242	Macagce	GR-COSL		2	4	6	2	6
699	242	699242	Macagce	GR-COSL		3	27	70	6	20
699	242	699242	Macagce	GR-COSL		3	6	39	6	20
699	242	699242	Macagce	GR-COSL		4	8	18	2	6
699	242	699242	Macagce	GR-COSL		4	70	80	20	20
699	242	699242	Macagce	GR-COSL		4	39	80	20	20
699	242	699242	Macagce	GR-COSL		5	18	43	6	20
699	242	699242	Macagce	GR-COSL		6	43	80	20	20
699	242	699242	Narea	GR-LCOS		1	0	1	6	20

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
699	242	699242	Narea	GR-LCOS		1	0	7	6	20
699	242	699242	Narea	GR-LCOS		1	0	4	2	6
699	242	699242	Narea	GR-LCOS		2	1	4	2	6
699	242	699242	Narea	GR-LCOS		2	7	27	6	20
699	242	699242	Narea	GR-LCOS		2	4	6	2	6
699	242	699242	Narea	GR-LCOS		3	27	70	6	20
699	242	699242	Narea	GR-LCOS		3	6	39	6	20
699	242	699242	Narea	GR-LCOS		4	8	18	2	6
699	242	699242	Narea	GR-LCOS		4	70	80	20	20
699	242	699242	Narea	GR-LCOS		4	39	80	20	20
699	242	699242	Narea	GR-LCOS		5	18	43	6	20
699	242	699242	Narea	GR-LCOS		6	43	80	20	20
699	271	699271	Arizo	GRV-COS		1	0	4	20	60
699	271	699271	Arizo	GRV-COS		2	4	60	2	20
699	273	699273	Arizo	GRV-COS		1	0	4	6	20
699	273	699273	Arizo	GRV-COS		1	0	4	20	60
699	273	699273	Arizo	GRV-COS		2	4	13	20	60
699	273	699273	Arizo	GRV-COS		2	4	60	2	20
699	273	699273	Arizo	GRV-COS		3	13	60	6	20
699	273	699273	Hypoint	GR-SL		1	0	4	6	20
699	273	699273	Hypoint	GR-SL		1	0	4	20	60
699	273	699273	Hypoint	GR-SL		2	4	13	20	60
699	273	699273	Hypoint	GR-SL		2	4	60	2	20
699	273	699273	Hypoint	GR-SL		3	13	60	6	20
699	331	699331	Boxjoe	LS		1	0	5	6	20
699	331	699331	Boxjoe	LS		1	0	24	6	20
699	331	699331	Boxjoe	LS		2	24	50	6	20
699	331	699331	Boxjoe	LS		3	22	43	6	20
699	331	699331	Boxjoe	LS		3	50	70	6	20
699	331	699331	Boxjoe	LS		4	43	60	20	20
699	331	699331	Boxjoe	LS		4	70	80	2	6
699	331	699331	Desfirex	LCOS		1	0	5	6	20
699	331	699331	Desfirex	LCOS		1	0	24	6	20
699	331	699331	Desfirex	LCOS		2	24	50	6	20
699	331	699331	Desfirex	LCOS		3	22	43	6	20
699	331	699331	Desfirex	LCOS		3	50	70	6	20
699	331	699331	Desfirex	LCOS		4	43	60	20	20
699	331	699331	Desfirex	LCOS		4	70	80	2	6
699	332	699332	Boxjoe	LS		1	0	1	6	20
699	332	699332	Boxjoe	LS		1	0	24	6	20
699	332	699332	Boxjoe	LS		2	1	12	6	20
699	332	699332	Boxjoe	LS		2	24	50	6	20
699	332	699332	Boxjoe	LS		3	12	32	6	20
699	332	699332	Boxjoe	LS		3	50	70	6	20
699	332	699332	Boxjoe	LS		4	32	62	6	20
699	332	699332	Boxjoe	LS		4	70	80	2	6
699	332	699332	Cajon	S		1	0	1	6	20
699	332	699332	Cajon	S		1	0	24	6	20
699	332	699332	Cajon	S		2	1	12	6	20
699	332	699332	Cajon	S		2	24	50	6	20
699	332	699332	Cajon	S		3	12	32	6	20
699	332	699332	Cajon	S		3	50	70	6	20
699	332	699332	Cajon	S		4	32	62	6	20
699	332	699332	Cajon	S		4	70	80	2	6
699	361	699361	Goatjoe	GR-LCOS		1	0	1	6	20
699	361	699361	Goatjoe	GR-LCOS		2	1	7	6	20
699	361	699361	Goatjoe	GR-LCOS		3	7	66	6	20
699	372	699372	Cax	GRV-COSL		1	0	7	6	20
699	372	699372	Cax	GRV-COSL		1	0	5	6	20
699	372	699372	Cax	GRV-COSL		1	0	1	6	20
699	372	699372	Cax	GRV-COSL		2	7	27	6	20
699	372	699372	Cax	GRV-COSL		2	1	2	2	6
699	372	699372	Cax	GRV-COSL		3	27	70	6	20
699	372	699372	Cax	GRV-COSL		3	22	43	6	20

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
699	372	699372	Cax	GRV-COSL		4	70	80	20	20
699	372	699372	Cax	GRV-COSL		4	43	60	20	20
699	372	699372	Cax	GRV-COSL		4	5	15	2	6
699	372	699372	Cax	GRV-COSL		5	15	50	6	20
699	372	699372	Cax	GRV-COSL		6	50	60	20	20
699	372	699372	Desfirex	LCOS		1	0	7	6	20
699	372	699372	Desfirex	LCOS		1	0	5	6	20
699	372	699372	Desfirex	LCOS		1	0	1	6	20
699	372	699372	Desfirex	LCOS		2	7	27	6	20
699	372	699372	Desfirex	LCOS		2	1	2	2	6
699	372	699372	Desfirex	LCOS		3	27	70	6	20
699	372	699372	Desfirex	LCOS		3	22	43	6	20
699	372	699372	Desfirex	LCOS		4	70	80	20	20
699	372	699372	Desfirex	LCOS		4	43	60	20	20
699	372	699372	Desfirex	LCOS		4	5	15	2	6
699	372	699372	Desfirex	LCOS		5	15	50	6	20
699	372	699372	Desfirex	LCOS		6	50	60	20	20
699	372	699372	Narea	GR-LCOS		1	0	7	6	20
699	372	699372	Narea	GR-LCOS		1	0	5	6	20
699	372	699372	Narea	GR-LCOS		1	0	1	6	20
699	372	699372	Narea	GR-LCOS		2	7	27	6	20
699	372	699372	Narea	GR-LCOS		2	1	2	2	6
699	372	699372	Narea	GR-LCOS		3	27	70	6	20
699	372	699372	Narea	GR-LCOS		3	22	43	6	20
699	372	699372	Narea	GR-LCOS		4	70	80	20	20
699	372	699372	Narea	GR-LCOS		4	43	60	20	20
699	372	699372	Narea	GR-LCOS		4	5	15	2	6
699	372	699372	Narea	GR-LCOS		5	15	50	6	20
699	372	699372	Narea	GR-LCOS		6	50	60	20	20
699	401	699401	Arizo	GRV-COS		1	0	2	2	6
699	401	699401	Arizo	GRV-COS		1	0	4	20	60
699	401	699401	Arizo	GRV-COS		2	2	14	2	6
699	401	699401	Arizo	GRV-COS		2	4	60	2	20
699	401	699401	Tufon	GRX-FSL		1	0	2	2	6
699	401	699401	Tufon	GRX-FSL		1	0	4	20	60
699	401	699401	Tufon	GRX-FSL		2	2	14	2	6
699	401	699401	Tufon	GRX-FSL		2	4	60	2	20
699	402	699402	Hypoint	GR-SL		1	0	4	6	20
699	402	699402	Hypoint	GR-SL		1	0	2	2	6
699	402	699402	Hypoint	GR-SL		2	4	13	20	60
699	402	699402	Hypoint	GR-SL		2	2	14	2	6
699	402	699402	Hypoint	GR-SL		3	13	60	6	20
699	402	699402	Tufon	GRX-FSL		1	0	4	6	20
699	402	699402	Tufon	GRX-FSL		1	0	2	2	6
699	402	699402	Tufon	GRX-FSL		2	4	13	20	60
699	402	699402	Tufon	GRX-FSL		2	2	14	2	6
699	402	699402	Tufon	GRX-FSL		3	13	60	6	20
699	416	699416	Bulgran	CBX-FSL		1	0	6	2	6
699	416	699416	Bulgran	CBX-FSL		2	6	13	2	6
699	416	699416	Goldroad	CBX-COSL		1	0	6	2	6
699	416	699416	Goldroad	CBX-COSL		2	6	13	2	6
699	416	699416	Rock Outcrop	UWB		1	0	6	2	6
699	416	699416	Rock Outcrop	UWB		2	6	13	2	6
699	417	699417	Bulgran	CBX-FSL		1	0	1	2	6
699	417	699417	Bulgran	CBX-FSL		1	0	6	2	6
699	417	699417	Bulgran	CBX-FSL		2	1	10	2	6
699	417	699417	Bulgran	CBX-FSL		2	6	13	2	6
699	417	699417	Bulgran	CBX-FSL		3	10	55	2	6
699	417	699417	Crosop	STX-FSL		1	0	1	2	6
699	417	699417	Crosop	STX-FSL		1	0	6	2	6
699	417	699417	Crosop	STX-FSL		2	1	10	2	6
699	417	699417	Crosop	STX-FSL		2	6	13	2	6
699	417	699417	Crosop	STX-FSL		3	10	55	2	6
699	417	699417	Rock Outcrop	UWB		1	0	1	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
699	417	699417	Rock Outcrop	UWB		1	0	6	2	6
699	417	699417	Rock Outcrop	UWB		2	1	10	2	6
699	417	699417	Rock Outcrop	UWB		2	6	13	2	6
699	417	699417	Rock Outcrop	UWB		3	10	55	2	6
699	421	699421	Metanob	GRX-FSL		1	0	7	2	6
699	421	699421	Rock Outcrop	UWB		1	0	7	2	6
699	431	699431	Basnob	GRX-SL		1	0	2	6	20
699	431	699431	Basnob	GRX-SL		2	2	5	6	20
699	431	699431	Rock Outcrop	UWB		1	0	2	6	20
699	431	699431	Rock Outcrop	UWB		2	2	5	6	20
699	433	699433	Basnob	GRX-LS		1	0	2	6	20
699	433	699433	Basnob	GRX-LS		1	0	2	2	6
699	433	699433	Basnob	GRX-LS		2	2	5	6	20
699	433	699433	Basnob	GRX-LS		2	2	14	2	6
699	433	699433	Rock Outcrop	UWB		1	0	2	6	20
699	433	699433	Rock Outcrop	UWB		1	0	2	2	6
699	433	699433	Rock Outcrop	UWB		2	2	5	6	20
699	433	699433	Rock Outcrop	UWB		2	2	14	2	6
699	433	699433	Tufon	GRX-FSL		1	0	2	6	20
699	433	699433	Tufon	GRX-FSL		1	0	2	2	6
699	433	699433	Tufon	GRX-FSL		2	2	5	6	20
699	433	699433	Tufon	GRX-FSL		2	2	14	2	6
699	441	699441	Arizo	CBV-LS		1	0	1	6	20
699	441	699441	Arizo	CBV-LS		1	0	2	6	20
699	441	699441	Arizo	CBV-LS		2	1	4	2	6
699	441	699441	Arizo	CBV-LS		2	2	12	6	20
699	441	699441	Arizo	CBV-LS		3	12	80	6	20
699	441	699441	Arizo	CBV-LS		4	8	18	2	6
699	441	699441	Arizo	CBV-LS		5	18	43	6	20
699	441	699441	Arizo	CBV-LS		6	43	80	20	20
699	441	699441	Cax	GRV-COSL		1	0	1	6	20
699	441	699441	Cax	GRV-COSL		1	0	2	6	20
699	441	699441	Cax	GRV-COSL		2	1	4	2	6
699	441	699441	Cax	GRV-COSL		2	2	12	6	20
699	441	699441	Cax	GRV-COSL		3	12	80	6	20
699	441	699441	Cax	GRV-COSL		4	8	18	2	6
699	441	699441	Cax	GRV-COSL		5	18	43	6	20
699	441	699441	Cax	GRV-COSL		6	43	80	20	20
13	BdE	013BdE	Briones	LS		1	0	13	6	20
13	BdE	013BdE	Briones	LS		2	13	32	6	20
13	BdE2	013BdE2	Briones	LS		1	0	10	6	20
13	BdE2	013BdE2	Briones	LS		2	10	25	6	20
13	BdF	013BdF	Briones	LS		1	0	13	6	20
13	BdF	013BdF	Briones	LS		2	17	32	6	20
13	BdF2	013BdF2	Briones	LS		1	0	10	6	20
13	BdF2	013BdF2	Briones	LS		2	10	21	6	20
13	BeB	013BeB	Briones	FSL		1	0	19	2	6
13	BeB	013BeB	Briones	FSL		2	19	34	2	6
13	DaC	013DaC	Delhi	S		1	0	5	6	20
13	DaC	013DaC	Delhi	S		2	5	60	6	20
13	GbE	013GbE	Gaviota	SL		1	0	17	2	6
13	GbF	013GbF	Gaviota	SL		1	0	17	2	6
13	GbG	013GbG	Gaviota	SL		1	0	17	2	6
13	Ja	013Ja	Joice	MUCK		1	0	15	6	20
13	Ja	013Ja	Joice	MUCK		2	15	60	6	20
13	Kb	013Kb	Kingile	MUCK		1	0	20	6	20
13	La	013La	Laugenour	L		3	20	39	2	6
13	La	013La	Laugenour	L		4	39	60	6	20
13	Ma	013Ma	Marcuse	S		1	0	20	6	20
13	Pd	013Pd	Piper	S		1	0	10	6	20
13	Pd	013Pd	Piper	S		3	38	60	2	6
13	Pe	013Pe	Piper	LS		1	0	10	6	20
13	Pe	013Pe	Piper	LS		2	10	38	6	20
13	Pe	013Pe	Piper	LS		3	38	60	6	20

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
13	Rd	013Rd	Rindge	MUCK		1	0	60	6	20
13	Se	013Se	Shima	MUCK		1	0	21	6	20
13	Se	013Se	Shima	MUCK		3	25	60	20	20
13	Sn	013Sn	Sorrento	SICL		3	40	60	20	20
13	Vb	013Vb	Venice	MUCK		1	0	8	6	20
13	Vb	013Vb	Venice	MUCK		2	8	60	6	20
13	Wa	013Wa	Webile	MUCK		1	0	43	6	20
21	CeA	021CeA	Columbia	FSL		1	0	12	2	6
21	CeA	021CeA	Columbia	FSL		2	12	60	2	6
21	CeB	021CeB	Columbia	FSL		1	0	12	2	6
21	CeB	021CeB	Columbia	FSL		2	12	60	2	6
21	Cf	021Cf	Columbia	FSL		1	0	12	2	6
21	Cf	021Cf	Columbia	FSL		2	12	36	2	6
21	Cf	021Cf	Columbia	FSL		3	36	60	6	20
21	CgA	021CgA	Columbia Variant	LFS		1	0	10	6	20
21	CgA	021CgA	Columbia Variant	LFS		2	10	60	6	20
21	CgB	021CgB	Columbia	LFS		1	0	10	6	20
21	CgB	021CgB	Columbia	LFS		2	10	60	0	20
21	ChA	021ChA	Columbia	SIL		2	12	60	2	6
21	ChB	021ChB	Columbia	SIL		2	12	60	2	6
21	Ck	021Ck	Columbia	SIL		2	12	36	2	6
21	Cl	021Cl	Columbia	SIL		2	12	36	2	6
21	Cm	021Cm	Columbia	SIL		2	12	36	2	6
21	Cm	021Cm	Columbia	SIL		3	36	60	6	20
21	Cn	021Cn	Columbia	SIL		1	0	10	2	6
21	Cn	021Cn	Columbia	SIL		2	10	24	2	6
21	Co	021Co	Columbia	SIL		1	0	10	0.6	6
21	Co	021Co	Columbia	SIL		2	10	24	2	6
21	CpB	021CpB	Columbia	SIL		2	12	60	2	6
21	CrB	021CrB	Columbia	SIL		2	12	60	2	6
21	CrB	021CrB	Riverwash	SIL		2	12	60	2	6
21	Czg	021Czg	Cortina	GR-L		1	0	8	2	6
21	Czg	021Czg	Cortina	GR-L		2	8	32	2	6
21	Czg	021Czg	Cortina	GR-L		3	32	60	6	20
21	Czh	021Czh	Cortina	GR-SL		1	0	8	2	6
21	Czh	021Czh	Cortina	GR-SL		2	8	15	2	6
21	Czh	021Czh	Cortina	GR-SL		3	15	60	6	20
21	Czk	021Czk	Cortina	GR-SL		1	0	8	2	6
21	Czk	021Czk	Cortina	GR-SL		2	8	15	2	6
21	Czk	021Czk	Cortina	GR-SL		3	15	60	6	20
21	Czr	021Czr	Cortina	GRV-SL		1	0	8	2	6
21	Czr	021Czr	Cortina	GRV-SL		2	8	40	2	6
21	Czr	021Czr	Cortina	GRV-SL		3	40	60	6	20
21	Czs	021Czs	Cortina	GRV-SL		1	0	8	2	6
21	Czs	021Czs	Cortina	GRV-SL		2	8	15	2	6
21	Czs	021Czs	Cortina	GRV-SL		3	15	60	6	20
21	Czt	021Czt	Cortina	GRV-SL		1	0	8	2	6
21	Czt	021Czt	Cortina	GRV-SL		2	8	32	2	6
21	Czt	021Czt	Cortina	GRV-SL		3	32	60	6	20
21	Gp	021Gp	Gravel Pits	GRX-S		1	0	6	6	20
21	Gp	021Gp	Gravel Pits	GRX-S		2	6	60	6	20
21	JaA	021JaA	Jacinto	FSL		1	0	15	2	6
21	JaA	021JaA	Jacinto	FSL		3	38	60	2	6
21	JaB	021JaB	Jacinto	FSL		1	0	15	2	6
21	JaB	021JaB	Jacinto	FSL		3	38	60	2	6
21	McD	021McD	Masterson	GR-L		1	0	21	2	6
21	McD	021McD	Masterson	GR-L		2	21	35	2	6
21	McE	021McE	Masterson	GR-L		1	0	21	2	6
21	McE	021McE	Masterson	GR-L		2	21	35	2	6
21	MdD	021MdD	Masterson	GR-L		1	0	21	2	6
21	MdD	021MdD	Masterson	GR-L		2	21	35	2	6
21	MdE	021MdE	Masterson	GR-L		1	0	21	2	6
21	MdE	021MdE	Masterson	GR-L		2	21	35	2	6
21	Me	021Me	Maywood	L		2	26	60	6	20

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
21	MrD	021MrD	Millsholm	SL		1	0	23	2	6
21	MrD	021MrD	Rock Outcrop			1	0	23	2	6
21	MrE	021MrE	Millsholm	SL		1	0	23	2	6
21	MrE	021MrE	Rock Outcrop			1	0	23	2	6
21	MrE2	021MrE2	Millsholm	SL		1	0	23	2	6
21	MrE2	021MrE2	Rock Outcrop			1	0	23	2	6
21	MuE	021MuE	Millsholm	GRV-SL		1	0	23	2	6
21	MuE	021MuE	Rock Outcrop			1	0	23	2	6
21	MvE	021MvE	Millsholm	CL		1	0	23	2	6
21	MvE	021MvE	Millsholm	SL		1	0	23	2	6
21	MvE	021MvE	Rock Outcrop			1	0	23	2	6
21	MxE	021MxE	Contra Costa	CL		1	0	23	2	6
21	MxE	021MxE	Millsholm	SL		1	0	23	2	6
21	MxE	021MxE	Rock Outcrop			1	0	23	2	6
21	MyE2	021MyE2	Lodo	SH-CL		1	0	23	2	6
21	MyE2	021MyE2	Millsholm	SL		1	0	23	2	6
21	MyE2	021MyE2	Rock Outcrop			1	0	23	2	6
21	Oa	021Oa	Orland	L		3	39	60	20	20
21	Od	021Od	Orland	L		3	50	60	20	20
21	Omr	021Omr	Orland	L		3	30	60	20	20
21	Osg	021Osg	Orland	L		3	20	60	20	20
21	Owo	021Owo	Orland	L		3	20	60	2	6
21	Ox	021Ox	Cortina	GR-SL		1	0	8	2	6
21	Ox	021Ox	Cortina	GR-SL		2	8	32	2	6
21	Ox	021Ox	Cortina	GR-SL		3	32	60	6	20
21	Ox	021Ox	Cortina	GR-SL		3	36	60	20	20
21	Ox	021Ox	Orland	L		1	0	8	2	6
21	Ox	021Ox	Orland	L		2	8	32	2	6
21	Ox	021Ox	Orland	L		3	32	60	6	20
21	Ox	021Ox	Orland	L		3	36	60	20	20
21	Rh	021Rh	Riverwash			1	0	6	6	20
21	Rh	021Rh	Riverwash			2	6	60	6	20
21	Ta	021Ta	Tehama	L		3	30	60	20	20
21	Tb	021Tb	Tehama	L		3	45	60	20	20
21	Tk	021Tk	Tehama	GR-FSL		1	0	9	2	6
21	Tk	021Tk	Tehama	GR-FSL		3	35	60	6	20
21	Wg	021Wg	Wyo	L		3	42	60	20	20
21	Wh	021Wh	Wyo	GR-L		3	30	60	6	20
53	Ac	053Ac	Alviso	SICL		3	45	60	2	20
53	Ad	053Ad	Alviso	SICL		3	45	60	2	20
53	AkD	053AkD	Arnold	LFS		1	0	48	6	20
53	AkF	053AkF	Arnold	LFS		1	0	48	6	20
53	Am	053Am	Arnold	LFS		1	0	22	2	6
53	Am	053Am	Arnold	LFS		1	0	48	6	20
53	Am	053Am	San Andreas	FSL		1	0	22	2	6
53	Am	053Am	San Andreas	FSL		1	0	48	6	20
53	Ar	053Ar	Arnold	LFS		1	0	48	6	20
53	Ar	053Ar	Santa Ynez	FSL		1	0	48	6	20
53	AsA	053AsA	Arroyo Seco	GR-SL		1	0	42	2	6
53	AsA	053AsA	Arroyo Seco	GR-SL		2	42	60	2	6
53	AsB	053AsB	Arroyo Seco	GR-SL		1	0	42	2	6
53	AsB	053AsB	Arroyo Seco	GR-SL		2	42	60	2	6
53	AsC	053AsC	Arroyo Seco	GR-SL		1	0	42	2	6
53	AsC	053AsC	Arroyo Seco	GR-SL		2	42	60	2	6
53	AvA	053AvA	Arroyo Seco	GR-L		1	0	42	2	6
53	AvA	053AvA	Arroyo Seco	GR-L		2	42	60	2	6
53	AvB	053AvB	Arroyo Seco	GR-L		1	0	42	2	6
53	AvB	053AvB	Arroyo Seco	GR-L		2	42	60	2	6
53	BbC	053BbC	Baywood	S		1	0	60	6	20
53	CbA	053CbA	Chualar	L		4	59	80	2	6
53	CbB	053CbB	Chualar	L		4	59	80	2	6
53	CbC	053CbC	Chualar	L		4	59	80	2	6
53	CcG	053CcG	Cieneba	GR-SL		1	0	11	2	6
53	Cd	053Cd	Cieneba	GR-SL		1	0	11	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
53	Cd	053Cd	Rock Outcrop	UWB		1	0	11	2	6
53	Ce	053Ce	Cieneba	GR-SL		1	0	24	2	6
53	Ce	053Ce	Cieneba	GR-SL		1	0	11	2	6
53	Ce	053Ce	Rock Outcrop	UWB		1	0	24	2	6
53	Ce	053Ce	Rock Outcrop	UWB		1	0	11	2	6
53	Ce	053Ce	Sur	ST-SL		1	0	24	2	6
53	Ce	053Ce	Sur	ST-SL		1	0	11	2	6
53	Cm	053Cm	Coastal Beaches			1			6	20
53	EaA	053EaA	Elder	SL		3	52	73	6	20
53	EdB	053EdB	Elkhorn	FSL		1	0	26	2	6
53	EdC	053EdC	Elkhorn	FSL		1	0	26	2	6
53	EdD	053EdD	Elkhorn	FSL		1	0	26	2	6
53	EeD	053EeD	Elkhorn Variant	FSL		1	0	17	2	6
53	EeE	053EeE	Elkhorn Variant	FSL		1	0	17	2	6
53	Ga	053Ga	Gamboa	GRV-FSL		1	0	15	2	6
53	Ga	053Ga	Gamboa	GRV-FSL		1	0	24	2	6
53	Ga	053Ga	Gamboa	GRV-FSL		1	0	59	6	20
53	Ga	053Ga	Gamboa	GRV-FSL		2	15	30	2	6
53	Ga	053Ga	Junipero	SL		1	0	15	2	6
53	Ga	053Ga	Junipero	SL		1	0	24	2	6
53	Ga	053Ga	Junipero	SL		1	0	59	6	20
53	Ga	053Ga	Junipero	SL		2	15	30	2	6
53	Ga	053Ga	Sur	ST-SL		1	0	15	2	6
53	Ga	053Ga	Sur	ST-SL		1	0	24	2	6
53	Ga	053Ga	Sur	ST-SL		1	0	59	6	20
53	Ga	053Ga	Sur	ST-SL		2	15	30	2	6
53	GbC	053GbC	Garey	SL		3	56	64	2	6
53	GbE	053GbE	Garey	SL		3	56	64	2	6
53	GbF2	053GbF2	Garey	SL		3	56	64	2	6
53	Gc	053Gc	Garey	SL		1	0	80	6	20
53	Gc	053Gc	Garey	SL		3	56	64	2	6
53	Gc	053Gc	Oceano	LS		1	0	80	6	20
53	Gc	053Gc	Oceano	LS		3	56	64	2	6
53	GdE	053GdE	Gaviota	SL		1	0	12	2	6
53	GdF	053GdF	Gaviota	SL		1	0	12	2	6
53	GeE	053GeE	Gaviota	SL		1	0	22	2	6
53	GeE	053GeE	Gaviota	SL		1	0	12	2	6
53	GeE	053GeE	San Andreas	FSL		1	0	22	2	6
53	GeE	053GeE	San Andreas	FSL		1	0	12	2	6
53	GeG	053GeG	Gaviota	SL		1	0	22	2	6
53	GeG	053GeG	Gaviota	SL		1	0	12	2	6
53	GeG	053GeG	San Andreas	FSL		1	0	22	2	6
53	GeG	053GeG	San Andreas	FSL		1	0	12	2	6
53	GhC	053GhC	Gloria	SL	THICK	1	0	16	2	6
53	GhD	053GhD	Gloria	SL	THICK	1	0	16	2	6
53	GhF	053GhF	Gloria	SL	THICK	1	0	16	2	6
53	GkB	053GkB	Gorgonio	SL		1	0	22	6	20
53	GkB	053GkB	Gorgonio	SL		2	22	63	6	20
53	GmB	053GmB	Greenfield	FSL		1	0	22	2	6
53	GmB	053GmB	Greenfield	FSL		2	22	52	2	6
53	GmB	053GmB	Greenfield	FSL		3	52	64	2	6
53	GmC	053GmC	Greenfield	FSL		1	0	22	2	6
53	GmC	053GmC	Greenfield	FSL		2	22	52	2	6
53	GmC	053GmC	Greenfield	FSL		3	52	64	2	6
53	GmD	053GmD	Greenfield	FSL		1	0	22	2	6
53	GmD	053GmD	Greenfield	FSL		2	22	52	2	6
53	GmD	053GmD	Greenfield	FSL		3	52	64	2	6
53	HbB	053HbB	Hanford	GR-SL		1	0	70	2	6
53	JaF	053JaF	Junipero	LS		1	0	15	2	6
53	JaF	053JaF	Junipero	LS		2	15	30	2	6
53	JbG	053JbG	Junipero	SL		1	0	15	2	6
53	JbG	053JbG	Junipero	SL		2	15	30	2	6
53	Jc	053Jc	Junipero	SL		1	0	24	2	6
53	Jc	053Jc	Junipero	SL		1	0	15	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
53	Jc	053Jc	Junipero	SL		2	15	30	2	6
53	Jc	053Jc	Sur	ST-SL		1	0	24	2	6
53	Jc	053Jc	Sur	ST-SL		1	0	15	2	6
53	Jc	053Jc	Sur	ST-SL		2	15	30	2	6
53	Md	053Md	McMullin	GR-L		1	0	10	2	6
53	Md	053Md	Plaskett	SHV-L		1	0	10	2	6
53	Me	053Me	Metz	LS		1	0	12	6	20
53	Mf	053Mf	Metz	FSL		1	0	12	2	6
53	Mg	053Mg	Metz	LS		1	0	12	2	6
53	Mg	053Mg	Metz	LS		1	0	12	6	20
53	Mg	053Mg	Metz	FSL		1	0	12	2	6
53	Mg	053Mg	Metz	FSL		1	0	12	6	20
53	NcC	053NcC	Narlon	LFS		1	0	13	2	6
53	NcE	053NcE	Narlon	LFS		1	0	13	2	6
53	OaD	053OaD	Oceano	LS		1	0	80	6	20
53	PdC	053PdC	Pfeiffer	FSL		1	0	6	2	6
53	PdC	053PdC	Pfeiffer	FSL		2	6	60	2	6
53	PdD	053PdD	Pfeiffer	FSL		1	0	6	2	6
53	PdD	053PdD	Pfeiffer	FSL		2	6	60	2	6
53	Pe	053Pe	Pfeiffer	FSL		1	0	6	2	6
53	Pe	053Pe	Pfeiffer	FSL		2	6	60	2	6
53	Pe	053Pe	Rock Outcrop	UWB		1	0	6	2	6
53	Pe	053Pe	Rock Outcrop	UWB		2	6	60	2	6
53	Pf	053Pf	Pico	FSL		1	0	55	2	6
53	PgE	053PgE	Pinnacles	COSL		1	0	17	2	6
53	PhG2	053PhG2	Pinnacles	ST-SL		1	0	12	2	6
53	PkE	053PkE	Pinnacles Variant	COSL		1	0	24	2	6
53	PkF	053PkF	Pinnacles Variant	COSL		1	0	24	2	6
53	Pp	053Pp	Plaskett	SHV-L		1	0	10	2	6
53	Pp	053Pp	Reliz	SH-CL		1	0	10	2	6
53	Rb	053Rb	Rindge	MUCK		1	0	60	6	20
53	ScE	053ScE	San Andreas	FSL		1	0	22	2	6
53	ScG	053ScG	San Andreas	FSL		1	0	22	2	6
53	SeG	053SeG	San Timoteo	GR-L		1	0	24	2	6
53	SoD	053SoD	Sheridan	COSL		1	0	39	2	6
53	SoE	053SoE	Sheridan	COSL		1	0	39	2	6
53	SoG	053SoG	Sheridan	COSL		1	0	39	2	6
53	SpD	053SpD	Greenfield	FSL		1	0	22	2	6
53	SpD	053SpD	Greenfield	FSL		2	22	52	2	6
53	SpD	053SpD	Greenfield	FSL		3	52	64	2	6
53	SpD	053SpD	Snelling	SL		1	0	22	2	6
53	SpD	053SpD	Snelling	SL		2	22	52	2	6
53	SpD	053SpD	Snelling	SL		3	52	64	2	6
53	SpE2	053SpE2	Greenfield	FSL		1	0	22	2	6
53	SpE2	053SpE2	Greenfield	FSL		2	22	52	2	6
53	SpE2	053SpE2	Greenfield	FSL		3	52	64	2	6
53	SpE2	053SpE2	Snelling	SL		1	0	22	2	6
53	SpE2	053SpE2	Snelling	SL		2	22	52	2	6
53	SpE2	053SpE2	Snelling	SL		3	52	64	2	6
53	Ss	053Ss	Junipero	SL		1	0	15	2	6
53	Ss	053Ss	Junipero	SL		1	0	24	2	6
53	Ss	053Ss	Junipero	SL		2	15	30	2	6
53	Ss	053Ss	Sur	ST-SL		1	0	15	2	6
53	Ss	053Ss	Sur	ST-SL		1	0	24	2	6
53	Ss	053Ss	Sur	ST-SL		2	15	30	2	6
53	St	053St	Plaskett	SHV-L		1	0	10	2	6
53	St	053St	Plaskett	SHV-L		1	0	24	2	6
53	St	053St	Sur	ST-SL		1	0	10	2	6
53	St	053St	Sur	ST-SL		1	0	24	2	6
53	TaC	053TaC	Tangair	FS		1	0	62	6	20
53	TbB	053TbB	Tujunga	FS		1	0	60	6	20
53	VaD	053VaD	Vista	COSL		1	0	23	2	6
53	VaE	053VaE	Vista	COSL		1	0	23	2	6
53	VaG	053VaG	Vista	COSL		1	0	23	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
53	Vb	053Vb	Rock Outcrop	UWB		1	0	23	2	6
53	Vb	053Vb	Vista	COSL		1	0	23	2	6
53	Xb	053Xb	Xerorthents	S LS		1	0	60	2	6
69	AtD	069AtD	Arnold	LS		1	0	12	5	10
69	AtD	069AtD	Arnold	LS		2	12	46	5	10
69	AtE2	069AtE2	Arnold	LS		1	0	12	5	10
69	AtE2	069AtE2	Arnold	LS		2	12	46	5	10
69	AtF3	069AtF3	Arnold	LS		1	0	12	5	10
69	AtF3	069AtF3	Arnold	LS		2	12	46	5	10
69	AuE	069AuE	Auberry	FSL		3	37	64	5	10
69	2-Aug	069AuG2	Auberry	FSL		3	37	64	5	10
69	CgG2	069CgG2	Cieneba	GR-SL		1	0	10	5	10
69	CgG3	069CgG3	Cieneba	GR-SL		1	0	10	5	10
69	CnD2	069CnD2	Cometa	L		1	0	18	2.5	5
69	CoD2	069CoD2	Cometa	SL		1	0	18	2.5	5
69	CuC	069CuC	Corralitos	LS		1	0	20	5	10
69	CuC	069CuC	Corralitos	LS		2	20	42	5	10
69	CuC	069CuC	Corralitos	LS		3	42	84	10	20
69	CvC	069CvC	Cotati	L		3	35	50	2.5	5
69	CvD2	069CvD2	Cotati	L		3	35	50	2.5	5
69	CvE2	069CvE2	Cotati	L		3	35	50	2.5	5
69	HaA	069HaA	Hanford	COSL		1	0	20	5	10
69	HaA	069HaA	Hanford	COSL		2	20	26	5	10
69	HaA	069HaA	Hanford	COSL		3	26	70	5	10
69	HaC	069HaC	Hanford	COSL		1	0	20	5	10
69	HaC	069HaC	Hanford	COSL		2	20	26	5	10
69	HaC	069HaC	Hanford	COSL		3	26	70	5	10
69	HfA	069HfA	Hanford	L		1	0	20	5	10
69	HfA	069HfA	Hanford	L		2	20	26	5	10
69	HfA	069HfA	Hanford	L		3	26	70	5	10
69	HfC	069HfC	Hanford	L		1	0	20	5	10
69	HfC	069HfC	Hanford	L		2	20	26	5	10
69	HfC	069HfC	Hanford	L		3	26	70	5	10
69	LaG3	069LaG3	Laniger	GR-SL		1	0	11	5	10
69	LaG3	069LaG3	Laniger	GR-SL		2	11	29	5	10
69	LtG2	069LtG2	Lodo	SH-L		1	0	14	2.5	5
69	MeA	069MeA	Metz	SL		1	0	14	2.5	5
69	MeA	069MeA	Metz	SL		2	14	43	5	10
69	MeA	069MeA	Metz	SL		3	43	60	10	20
69	MgA	069MgA	Metz	GR-SL		1	0	14	2.5	5
69	MgA	069MgA	Metz	GR-SL		2	14	43	10	20
69	MgC	069MgC	Metz	GR-SL		1	0	14	2.5	5
69	MgC	069MgC	Metz	GR-SL		2	14	43	2.5	5
69	MgC	069MgC	Metz	GR-SL		3	43	60	10	20
69	MhA	069MhA	Metz Variant	SL		1	0	18	2.5	5
69	MhA	069MhA	Metz Variant	SL		2	18	50	5	10
69	MnG	069MnG	Dumps	VAR		1	0	60	6	20
69	MnG	069MnG	Mine Pits And Dumps	GRX-COS		1	0	60	6	20
69	MoA	069MoA	Mocho	SL		1	0	18	2.5	5
69	MoA	069MoA	Mocho	SL		2	18	29	2.5	5
69	MoA	069MoA	Mocho	SL		3	29	72	2.5	5
69	MoC	069MoC	Mocho	SL		1	0	18	2.5	5
69	MoC	069MoC	Mocho	SL		2	18	29	2.5	5
69	MoC	069MoC	Mocho	SL		3	29	72	2.5	5
69	MrB	069MrB	Mocho	GR-L		1	0	18	2.5	5
69	MrB	069MrB	Mocho	GR-L		2	18	29	2.5	5
69	MrB	069MrB	Mocho	GR-L		3	29	72	2.5	5
69	PnE2	069PnE2	Pinnacles	COSL		1	0	12	2.5	5
69	PnG3	069PnG3	Pinnacles	COSL		1	0	12	2.5	5
69	ReA	069ReA	Rieff	SL		1	0	24	2.5	5
69	ReA	069ReA	Rieff	SL		2	24	42	2.5	5
69	ReC	069ReC	Rieff	SL		1	0	24	2.5	5
69	ReC	069ReC	Rieff	SL		2	24	42	2.5	5
69	Rw	069Rw	Riverwash	COS		1	0	6	6	20

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
69	Rw	069Rw	Riverwash	COS		2	6	60	6	20
69	Sc	069Sc	Sandy Alluvial Land	LS		1	0	12	6	20
69	Sc	069Sc	Sandy Alluvial Land	LS		2	12	48	6	20
69	Sc	069Sc	Sandy Alluvial Land	LS		3	48	60	6	20
69	SdG3	069SdG3	Santa Lucia	SH-L		1	0	14	2.5	5
69	SkD	069SkD	Sheridan	COSL		1	0	23	2.5	5
69	SkD	069SkD	Sheridan	COSL		2	23	42	2.5	5
69	SkE	069SkE	Sheridan	COSL		1	0	28	2.5	5
69	SkE	069SkE	Sheridan	COSL		2	28	52	2.5	5
69	SkE2	069SkE2	Sheridan	COSL		1	0	18	2.5	5
69	SkE2	069SkE2	Sheridan	COSL		2	18	32	2.5	5
69	SkG2	069SkG2	Sheridan	COSL		1	0	14	2.5	5
69	SkG2	069SkG2	Sheridan	COSL		2	14	24	2.5	5
69	SkG3	069SkG3	Sheridan	COSL		1	0	14	2.5	5
69	SkG3	069SkG3	Sheridan	COSL		2	14	22	2.5	5
69	SlD	069SlD	Soper	GR-L		3	30	42	5	10
69	SlE2	069SlE2	Soper	GR-L		3	30	36	5	10
69	SlF2	069SlF2	Soper	GR-L		3	30	36	5	10
69	SmD	069SmD	Soper	SL		4	36	48	5	10
69	SmE2	069SmE2	Soper	SL		4	30	42	5	10
69	SmF2	069SmF2	Soper	SL		1	0	16	0.8	5
69	SmF2	069SmF2	Soper	SL		3	30	42	5	10
69	SsE2	069SsE2	Rock Outcrop			3	27	32	5	10
69	SsE2	069SsE2	Sween	CL		3	27	32	5	10
69	SsF2	069SsF2	Rock Outcrop			3	27	32	5	10
69	SsF2	069SsF2	Sween	CL		3	27	32	5	10
95	Cm	095Cm	Columbia	FSL		1	0	16	2	6
95	Cm	095Cm	Columbia	FSL		2	16	23	2	6
95	Cm	095Cm	Columbia	FSL		3	23	55	2	6
95	GaG2	095GaG2	Gaviota	SL		1	0	12	2	6
95	Ja	095Ja	Joice	MUCK		1	0	20	6	20
95	Ja	095Ja	Joice	MUCK		2	20	60	6	20
95	Jb	095Jb	Joice Variant	MUCK		1	0	7	6	20
95	Jb	095Jb	Joice Variant	MUCK		2	7	29	6	20
95	MnC	095MnC	Millsholm Variant	L		2	8	28	0.6	20
95	MnE	095MnE	Millsholm Variant	L		2	8	28	0.6	20
95	Ra	095Ra	Reiff	FSL		1	0	18	2	6
95	Ra	095Ra	Reiff	FSL		2	18	60	2	6
95	Sm	095Sm	Solano Variant	L		4	55	63	2	6
95	Sp	095Sp	Suisun	MPT		1	0	18	6	20
95	Sp	095Sp	Suisun	MPT		2	18	60	6	20
95	Tu	095Tu	Tujunga	FS		1	0	12	6	20
95	Tu	095Tu	Tujunga	FS		2	12	60	6	20
97	AdA	097AdA	Alluvial Land	COS		1	0	10	6	20
97	AdA	097AdA	Alluvial Land	COS		2	10	60	6	20
97	AeA	097AeA	Alluvial Land	CL		3	30	60	6	20
97	BaC	097BaC	Baywood	LS		1	0	31	6	20
97	BaC	097BaC	Baywood	LS		2	31	56	6	20
97	BaC	097BaC	Baywood	LS		3	56	60	6	20
97	BaE	097BaE	Baywood	LS		1	0	31	6	20
97	BaE	097BaE	Baywood	LS		2	31	56	6	20
97	BaE	097BaE	Baywood	LS		3	56	60	6	20
97	BcA	097BcA	Blucher	FSL		1	0	20	2	6
97	CaE	097CaE	Caspar	SL		1	0	12	2	6
97	CaF	097CaF	Caspar	SL		1	0	12	2	6
97	ChA	097ChA	Coastal Beaches	S		1	0	6	6	20
97	ChA	097ChA	Coastal Beaches	S		2	6	60	6	20
97	CrA	097CrA	Cortina	GRV-SL		1	0	7	2	6
97	CrA	097CrA	Cortina	GRV-SL		2	7	60	2	6
97	CsA	097CsA	Cortina	GRV-L		1	0	7	2	6
97	CsA	097CsA	Cortina	GRV-L		2	7	60	2	6
97	CtC	097CtC	Cotati	FSL		1	0	22	2	6
97	CtD	097CtD	Cotati	FSL		1	0	22	2	6
97	CtE	097CtE	Cotati	FSL		1	0	22	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
97	DuE	097DuE	Dune Land	S		1	0	6	6	20
97	DuE	097DuE	Dune Land	S		2	6	60	6	20
97	EpF	097EpF	Caspar	SL		1	0	12	2	6
97	EpF	097EpF	Empire	L		1	0	12	2	6
97	FoE	097FoE	Forward	GR-L		1	0	6	2	6
97	FoE	097FoE	Forward	GR-L		2	6	21	2	6
97	FoG	097FoG	Forward	GR-L		1	0	6	2	6
97	FoG	097FoG	Forward	GR-L		2	6	27	2	6
97	FrG	097FrG	Forward	GR-L		1	0	6	2	6
97	FrG	097FrG	Forward	GR-L		1	0	6	2	6
97	FrG	097FrG	Forward	GR-L		2	6	10	2	6
97	FrG	097FrG	Forward	GR-L		2	6	22	2	6
97	FrG	097FrG	Kidd	GR-L		1	0	6	2	6
97	FrG	097FrG	Kidd	GR-L		1	0	6	2	6
97	FrG	097FrG	Kidd	GR-L		2	6	10	2	6
97	FrG	097FrG	Kidd	GR-L		2	6	22	2	6
97	GdC	097GdC	Goldridge	FSL		1	0	24	2	6
97	GdD	097GdD	Goldridge	FSL		1	0	24	2	6
97	GdD2	097GdD2	Goldridge	FSL		1	0	15	2	6
97	GdE	097GdE	Goldridge	FSL		1	0	24	2	6
97	GdE2	097GdE2	Goldridge	FSL		1	0	15	2	6
97	GdF	097GdF	Goldridge	FSL		1	0	20	2	6
97	GdF2	097GdF2	Goldridge	FSL		1	0	10	2	6
97	HaB	097HaB	Haire	FSL		1	0	20	2	6
97	HnE	097HnE	Hugo	GR-L		3	25	36	2	6
97	HnE	097HnE	Josephine	L		3	25	36	2	6
97	HnG	097HnG	Hugo	GRV-L		3	25	36	2	6
97	HnG	097HnG	Josephine	L		3	25	36	2	6
97	HnG2	097HnG2	Hugo	GRV-L		3	25	36	2	6
97	HnG2	097HnG2	Josephine	L		3	25	36	2	6
97	JoE	097JoE	Josephine	L		3	35	45	2	6
97	JoF	097JoF	Josephine	L		3	35	45	2	6
97	JoF2	097JoF2	Josephine	L		3	25	36	2	6
97	JoG	097JoG	Josephine	L		3	25	36	2	6
97	JsG	097JsG	Josephine	L		3	25	36	2	6
97	JsG	097JsG	Sites	L		3	25	36	2	6
97	KdF	097KdF	Kidd	GR-L		1	0	8	2	6
97	KdF	097KdF	Kidd	GR-L		2	8	15	2	6
97	KeE	097KeE	Kidd	ST-L		1	0	8	2	6
97	KeE	097KeE	Kidd	ST-L		2	8	15	2	6
97	KkG	097KkG	Kidd	GR-L		1	0	8	2	6
97	KkG	097KkG	Kidd	GR-L		2	8	15	2	6
97	KkG	097KkG	Rock Outcrop	UWB		1	0	8	2	6
97	KkG	097KkG	Rock Outcrop	UWB		2	8	15	2	6
97	KsD	097KsD	Kneeland Variant	SL		1	0	18	2	6
97	KsD	097KsD	Kneeland Variant	SL		2	18	28	6	20
97	KsE	097KsE	Kneeland Variant	SL		1	0	15	2	6
97	KsE	097KsE	Kneeland Variant	SL		2	15	25	6	20
97	KvE	097KvE	Kneeland Variant	SL		1	0	12	2	6
97	KvE	097KvE	Kneeland Variant	SL		2	12	20	6	20
97	KvE	097KvE	Rock Outcrop			1	0	12	2	6
97	KvE	097KvE	Rock Outcrop			2	12	20	6	20
97	LnG	097LnG	Josephine	L		3	25	36	2	6
97	LnG	097LnG	Los Gatos	GR-L		3	25	36	2	6
97	LvB	097LvB	Los Robles	GR-CL		4	44	60	20	20
97	NoD	097NoD	Noyo	COSL		1	0	11	2	6
97	NoD	097NoD	Noyo	COSL		2	11	29	2	6
97	NoD	097NoD	Noyo	COSL		4	53	60	2	6
97	PaA	097PaA	Pajaro	FSL		1	0	4	2	6
97	PaA	097PaA	Pajaro	FSL		2	4	35	2	6
97	PaB	097PaB	Pajaro	FSL		1	0	4	2	6
97	PaB	097PaB	Pajaro	FSL		2	4	35	2	6
97	PbB	097PbB	Pajaro	GR-L		1	0	12	2	6
97	PbB	097PbB	Pajaro	GR-L		2	12	60	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
97	PcA	097PcA	Pajaro	CL		2	12	60	2	6
97	PcB	097PcB	Pajaro	CL		2	12	60	2	6
97	RnA	097RnA	Riverwash	GRV-S		1	0	6	6	20
97	RnA	097RnA	Riverwash	GRV-S		2	6	60	6	20
97	SeE	097SeE	Sheridan	COSL		1	0	39	2	6
97	SeE	097SeE	Sheridan	COSL		2	39	47	2	6
97	SnE	097SnE	Steinbeck	L		2	8	16	2	6
97	SnE2	097SnE2	Steinbeck	L		2	6	12	2	6
97	SnF	097SnF	Steinbeck	L		2	6	11	2	6
97	SnF2	097SnF2	Steinbeck	L		2	3	6	2	6
97	YmB	097YmB	Yolo	SL		1	0	8	2	6
113	Cn	113Cn	Clear Lake	CL		1	0	13	2	6
113	Cn	113Cn	Clear Lake	FSL		1	0	13	2	6
113	La	113La	Lang	SL		1	0	6	2	6
113	La	113La	Lang	SL		2	6	47	6	20
113	La	113La	Lang	SL		3	47	85	2	6
113	Lb	113Lb	Lang	SL		1	0	6	2	6
113	Lb	113Lb	Lang	SL		2	6	47	6	20
113	Lc	113Lc	Lang	SL		1	0	6	2	6
113	Lc	113Lc	Lang	SL		2	6	47	6	20
113	Ld	113Ld	Lang	SIL		2	6	47	6	20
113	Lg	113Lg	Laugenour	VFSL		1	0	11	2	6
113	Lg	113Lg	Laugenour	VFSL		2	11	20	2	6
113	Lg	113Lg	Laugenour	VFSL		3	20	68	2	6
113	Lh	113Lh	Laugenour	VFSL		1	0	11	2	6
113	Lh	113Lh	Laugenour	VFSL		2	11	20	2	6
113	Lh	113Lh	Laugenour	VFSL		3	20	68	2	6
113	Lk	113Lk	Laugenour	VFSL		1	0	11	2	6
113	Lk	113Lk	Laugenour	VFSL		2	11	50	2	6
113	Lm	113Lm	Loamy Alluvial Land	SL		1	0	10	2	6
113	Lm	113Lm	Loamy Alluvial Land	SL		2	10	30	2	6
113	Lm	113Lm	Loamy Alluvial Land	SL		3	30	60	2	6
113	Ra	113Ra	Reiff	VFSL		1	0	16	2	6
113	Ra	113Ra	Reiff	VFSL		2	16	60	2	6
113	Rb	113Rb	Reiff	GR-L		1	0	16	2	6
113	Rb	113Rb	Reiff	GR-L		2	16	60	2	6
113	Rh	113Rh	Riverwash	S		1	0	6	6	20
113	Rh	113Rh	Riverwash	S		2	6	60	6	20
113	Sn	113Sn	Soboba	GR-SL		1	0	4	6	20
113	Sn	113Sn	Soboba	GR-SL		2	4	60	20	20
113	Tb	113Tb	Tyndall	VFSL		1	0	16	2	6
113	Tb	113Tb	Tyndall	VFSL		2	16	60	2	6
113	Tc	113Tc	Tyndall	VFSL		1	0	16	2	6
113	Tc	113Tc	Tyndall	VFSL		2	16	60	2	6
113	Td	113Td	Tyndall	VFSL		1	0	16	2	6
113	Td	113Td	Tyndall	VFSL		2	16	60	2	6
113	Te	113Te	Tyndall	VFSL		1	0	16	2	6
113	Te	113Te	Tyndall	VFSL		2	16	40	2	6
113	Tf	113Tf	Tyndall	SICL		2	10	60	2	6
607	Ad	607Ad	Anderson	GR-SL		1	0	14	2	6
607	Ad	607Ad	Anderson	GR-SL		2	14	24	2	6
607	Ad	607Ad	Anderson	GR-SL		3	24	60	6	20
607	Ae	607Ae	Anderson	GR-SL		1	0	14	2	6
607	Ae	607Ae	Anderson	GR-SL		2	14	24	2	6
607	AlB	607AlB	Auberry	FSL		1	0	9	2	6
607	AlD	607AlD	Auberry	FSL		1	0	9	2	6
607	AlF	607AlF	Auberry	FSL		1	0	9	2	6
607	CaE3	607CaE3	Chaix	COSL		1	0	5	2	6
607	CaE3	607CaE3	Chaix	COSL		2	5	26	2	6
607	CaF3	607CaF3	Chaix	COSL		1	0	5	2	6
607	CaF3	607CaF3	Chaix	COSL		2	5	26	2	6
607	CbD2	607CbD2	Chaix	SL		1	0	7	2	6
607	CbD2	607CbD2	Chaix	SL		2	7	26	2	6
607	CbE	607CbE	Chaix	SL		1	0	9	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
607	CbE	607CbE	Chaix	SL		2	9	26	2	6
607	CbF	607CbF	Chaix	SL		1	0	9	2	6
607	CbF	607CbF	Chaix	SL		2	9	26	2	6
607	Ch	607Ch	Cobbly Alluvial Land	GRV-COS		1	0	12	6	20
607	Ch	607Ch	Cobbly Alluvial Land	GRV-COS		2	12	60	6	20
607	Ck	607Ck	Cobbly Alluvial Land	GRV-COS		1	0	12	6	20
607	Ck	607Ck	Cobbly Alluvial Land	GRV-COS		2	12	60	6	20
607	CrD	607CrD	Cohasset	CB-L		1	0	20	2	6
607	CrD	607CrD	Cohasset	CB-L		2	20	44	2	6
607	CrD	607CrD	McCarthy	ST-SL		1	0	20	2	6
607	CrD	607CrD	McCarthy	ST-SL		2	20	44	2	6
607	CrE	607CrE	Cohasset	CB-L		1	0	20	2	6
607	CrE	607CrE	Cohasset	CB-L		2	20	44	2	6
607	CrE	607CrE	McCarthy	ST-SL		1	0	20	2	6
607	CrE	607CrE	McCarthy	ST-SL		2	20	44	2	6
607	CrG	607CrG	Cohasset	CBV-L		1	0	20	2	6
607	CrG	607CrG	Cohasset	CBV-L		2	20	44	2	6
607	CrG	607CrG	McCarthy	CBV-L		1	0	20	2	6
607	CrG	607CrG	McCarthy	CBV-L		2	20	44	2	6
607	CsF	607CsF	Colluvial Land	GRX-COS		1	0	6	2	6
607	CsF	607CsF	Colluvial Land	GRX-COS		2	6	60	2	6
607	CtC	607CtC	Cone	GR-L		1	0	7	6	20
607	CtC	607CtC	Cone	GR-L		2	7	58	6	20
607	CtC	607CtC	Cone	GR-L		3	58	62	6	20
607	CtD	607CtD	Cone	GR-L		1	0	7	6	20
607	CtD	607CtD	Cone	GR-L		2	7	58	6	20
607	CtD	607CtD	Cone	GR-L		3	58	62	6	20
607	CuD	607CuD	Cone	ST-L		1	0	7	6	20
607	CuD	607CuD	Cone	ST-L		2	7	58	6	20
607	CuD	607CuD	Cone	ST-L		3	58	62	6	20
607	CvE	607CvE	Cone	STV-L		1	0	7	6	20
607	CvE	607CvE	Cone	STV-L		2	7	58	6	20
607	CvE	607CvE	Cone	STV-L		3	58	62	6	20
607	CwF	607CwF	Cone	STV-L		1	0	7	6	20
607	CwF	607CwF	Cone	STV-L		2	7	36	6	20
607	CwF	607CwF	Cone	STV-L		3	36	62	6	20
607	CxE	607CxE	Corbett	LCOS		1	0	8	6	20
607	CxE	607CxE	Corbett	LCOS		2	8	24	6	20
607	CxF3	607CxF3	Corbett	LCOS		1	0	4	6	20
607	CxF3	607CxF3	Corbett	LCOS		2	4	20	6	20
607	CxG	607CxG	Corbett	LCOS		1	0	8	6	20
607	CxG	607CxG	Corbett	LCOS		2	8	24	6	20
607	CyG	607CyG	Corbett	LCOS		1	0	8	6	20
607	CyG	607CyG	Corbett	LCOS		2	8	24	6	20
607	CyG	607CyG	Rock Outcrop			1	0	8	6	20
607	CyG	607CyG	Rock Outcrop			2	8	24	6	20
607	FaD	607FaD	Forward	SL		1	0	3	2	6
607	FaD	607FaD	Forward	SL		2	3	11	2	6
607	FaD	607FaD	Forward	SL		3	11	22	2	6
607	FaE	607FaE	Forward	SL		1	0	3	2	6
607	FaE	607FaE	Forward	SL		2	3	11	2	6
607	FdD	607FdD	Forward	SL		1	0	10	2	6
607	FdD	607FdD	Forward	SL		2	10	40	2	6
607	GaC	607GaC	Gaviota	FSL		1	0	17	2	6
607	GaD	607GaD	Gaviota	FSL		1	0	17	2	6
607	GbD	607GbD	Gaviota	SL		1	0	17	2	6
607	GbD	607GbD	Rock Outcrop			1	0	17	2	6
607	GbE2	607GbE2	Gaviota	SL		1	0	15	2	6
607	GbE2	607GbE2	Rock Outcrop			1	0	15	2	6
607	Gp	607Gp	Gravel Pits	GRX-S		1	0	6	6	20
607	Gp	607Gp	Gravel Pits	GRX-S		2	6	60	6	20
607	HcE	607HcE	Holland	SL		1	0	6	2	6
607	HcF	607HcF	Holland	SL		1	0	6	2	6
607	Hd	607Hd	Honcut	L		1	0	22	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
607	Hd	607Hd	Honcut	L		2	22	60	2	6
607	He	607He	Honcut	GR-L		1	0	22	2	6
607	He	607He	Honcut	GR-L		2	22	60	2	6
607	Hf	607Hf	Honcut	GR-L		1	0	22	2	6
607	Hf	607Hf	Honcut	GR-L		2	22	40	2	6
607	Hf	607Hf	Honcut	GR-L		3	40	60	2	6
607	IeD	607IeD	Inks	GR-L		1	0	5	2	6
607	IeD	607IeD	Inks	GR-L		2	5	18	2	6
607	IeD	607IeD	Pentz	STV-SL		1	0	5	2	6
607	IeD	607IeD	Pentz	STV-SL		2	5	18	2	6
607	IeE	607IeE	Inks	STV-L		1	0	5	2	6
607	IeE	607IeE	Inks	STV-L		2	5	18	2	6
607	IeE	607IeE	Pentz	STV-SL		1	0	5	2	6
607	IeE	607IeE	Pentz	STV-SL		2	5	18	2	6
607	KbC	607KbC	Kanaka	SL		1	0	9	2	6
607	KbC	607KbC	Kanaka	SL		2	9	48	2	6
607	KcD	607KcD	Kanaka	SL		1	0	9	2	6
607	KcD	607KcD	Kanaka	SL		2	9	48	2	6
607	KcD	607KcD	Rock Outcrop			1	0	9	2	6
607	KcD	607KcD	Rock Outcrop			2	9	48	2	6
607	KcE	607KcE	Kanaka	SL		1	0	9	2	6
607	KcE	607KcE	Kanaka	SL		2	9	48	2	6
607	KcE	607KcE	Rock Outcrop			1	0	9	2	6
607	KcE	607KcE	Rock Outcrop			2	9	48	2	6
607	KcF2	607KcF2	Kanaka	SL		1	0	9	2	6
607	KcF2	607KcF2	Kanaka	SL		2	9	48	2	6
607	KcF2	607KcF2	Rock Outcrop			1	0	9	2	6
607	KcF2	607KcF2	Rock Outcrop			2	9	48	2	6
607	KgF2	607KgF2	Kidd	GR-L		1	0	8	2	6
607	KgF2	607KgF2	Kidd	GR-L		2	8	16	2	6
607	LaE	607LaE	Landslides	FRAG		1	0	60	6	20
607	LcA	607LcA	Los Robles	L		3	54	65	2	6
607	LcB	607LcB	Los Robles	L		3	54	65	2	6
607	LfA	607LfA	Los Robles	GR-L		3	54	65	2	6
607	LgE	607LgE	Jiggs	GR-SL		1	0	12	2	6
607	LgE	607LgE	Jiggs	GR-SL		1	0	12	2	6
607	LgE	607LgE	Jiggs	GR-SL		2	12	27	2	6
607	LgE	607LgE	Jiggs	GR-SL		2	12	18	2	6
607	LgE	607LgE	Jiggs	GR-SL		3	18	30	2	6
607	LgE	607LgE	Jiggs	GR-SL		4	30	33	2	6
607	LgE	607LgE	Lyonsville	ST-SL		1	0	12	2	6
607	LgE	607LgE	Lyonsville	ST-SL		1	0	12	2	6
607	LgE	607LgE	Lyonsville	ST-SL		2	12	27	2	6
607	LgE	607LgE	Lyonsville	ST-SL		2	12	18	2	6
607	LgE	607LgE	Lyonsville	ST-SL		3	18	30	2	6
607	LgE	607LgE	Lyonsville	ST-SL		4	30	33	2	6
607	LhE	607LhE	Jiggs	GR-SL		1	0	12	2	6
607	LhE	607LhE	Jiggs	GR-SL		1	0	12	2	6
607	LhE	607LhE	Jiggs	GR-SL		2	12	27	2	6
607	LhE	607LhE	Jiggs	GR-SL		2	12	18	2	6
607	LhE	607LhE	Jiggs	GR-SL		3	18	30	2	6
607	LhE	607LhE	Jiggs	GR-SL		4	30	33	2	6
607	LhE	607LhE	Lyonsville	ST-SL		1	0	12	2	6
607	LhE	607LhE	Lyonsville	ST-SL		1	0	12	2	6
607	LhE	607LhE	Lyonsville	ST-SL		2	12	27	2	6
607	LhE	607LhE	Lyonsville	ST-SL		2	12	18	2	6
607	LhE	607LhE	Lyonsville	ST-SL		3	18	30	2	6
607	LhE	607LhE	Lyonsville	ST-SL		4	30	33	2	6
607	LkF	607LkF	Jiggs	GR-SL		1	0	12	2	6
607	LkF	607LkF	Jiggs	GR-SL		1	0	12	2	6
607	LkF	607LkF	Jiggs	GR-SL		2	12	27	2	6
607	LkF	607LkF	Jiggs	GR-SL		2	12	18	2	6
607	LkF	607LkF	Jiggs	GR-SL		4	30	33	2	6
607	LkF	607LkF	Lyonsville	ST-SL		1	0	12	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
607	LkF	607LkF	Lyonsville	ST-SL		1	0	12	2	6
607	LkF	607LkF	Lyonsville	ST-SL		2	12	27	2	6
607	LkF	607LkF	Lyonsville	ST-SL		2	12	18	2	6
607	LkF	607LkF	Lyonsville	ST-SL		4	30	33	2	6
607	Mm	607Mm	Molinos	SL		1	0	11	2	6
607	Mm	607Mm	Molinos	SL		2	11	70	2	6
607	Mn	607Mn	Molinos	FSL		1	0	11	2	6
607	Mn	607Mn	Molinos	FSL		2	11	70	2	6
607	Mo	607Mo	Molinos	FSL		1	0	11	2	6
607	Mo	607Mo	Molinos	FSL		2	11	70	2	6
607	NaB	607NaB	Nanny	GR-SL		1	0	20	2	6
607	NaB	607NaB	Nanny	GR-SL		2	20	66	2	6
607	NbB	607NbB	Nanny	ST-SL		1	0	20	2	6
607	NbB	607NbB	Nanny	ST-SL		2	20	66	2	6
607	NcB	607NcB	Nanny	GR-SL		1	0	14	2	6
607	NcB	607NcB	Nanny	GR-SL		1	0	20	2	6
607	NcB	607NcB	Nanny	GR-SL		2	14	48	2	6
607	NcB	607NcB	Nanny	GR-SL		2	20	66	2	6
607	NcB	607NcB	Windy	ST-SL		1	0	14	2	6
607	NcB	607NcB	Windy	ST-SL		1	0	20	2	6
607	NcB	607NcB	Windy	ST-SL		2	14	48	2	6
607	NcB	607NcB	Windy	ST-SL		2	20	66	2	6
607	PfF	607PfF	Pentz	SL		1	0	5	2	6
607	PfF	607PfF	Pentz	SL		2	5	18	2	6
607	PfF	607PfF	Supan	STV-L		1	0	5	2	6
607	PfF	607PfF	Supan	STV-L		2	5	18	2	6
607	RfB	607RfB	Reiff	SL		1	0	18	2	6
607	RfB	607RfB	Reiff	SL		2	18	43	2	6
607	RfB	607RfB	Reiff	SL		3	40	60	6	20
607	RgA	607RgA	Reiff	FSL		1	0	18	2	6
607	RgA	607RgA	Reiff	FSL		2	18	43	2	6
607	RgA	607RgA	Reiff	FSL		3	43	60	2	6
607	RgB	607RgB	Reiff	FSL		1	0	18	2	6
607	RgB	607RgB	Reiff	FSL		2	18	43	2	6
607	RgB	607RgB	Reiff	FSL		3	43	60	2	6
607	RhA	607RhA	Reiff	FSL		1	0	18	2	6
607	RhA	607RhA	Reiff	FSL		2	18	43	2	6
607	RhA	607RhA	Reiff	FSL		3	43	60	6	20
607	RkA	607RkA	Reiff	GR-FSL		1	0	18	2	6
607	RkA	607RkA	Reiff	GR-FSL		2	18	40	2	6
607	RkA	607RkA	Reiff	GR-FSL		3	43	60	2	6
607	RlA	607RlA	Reiff	L		1	0	18	2	6
607	RlA	607RlA	Reiff	L		2	18	62	2	6
607	RmA	607RmA	Reiff	L		1	0	18	2	6
607	RmA	607RmA	Reiff	L		2	18	62	2	6
607	RnA	607RnA	Reiff	GR-L		1	0	18	2	6
607	RnA	607RnA	Reiff	GR-L		2	18	43	2	6
607	RnA	607RnA	Reiff	GR-L		3	43	60	2	6
607	RoA	607RoA	Reiff	GR-L		1	0	18	2	6
607	RoA	607RoA	Reiff	GR-L		2	18	60	2	6
607	RyF	607RyF	Rubbleland	FRAG		1	0	60	20	20
607	TfA	607TfA	Tujunga	LS		1	0	14	6	20
607	TfA	607TfA	Tujunga	LS		2	14	27	6	20
607	TfA	607TfA	Tujunga	LS		3	27	60	6	20
607	TfB	607TfB	Tujunga	LS		1	0	14	6	20
607	TfB	607TfB	Tujunga	LS		2	14	27	6	20
607	TfB	607TfB	Tujunga	LS		3	27	60	6	20
607	WeD	607WeD	McCarthy	ST-SL		1	0	20	2	6
607	WeD	607WeD	McCarthy	ST-SL		1	0	14	2	6
607	WeD	607WeD	McCarthy	ST-SL		2	20	44	2	6
607	WeD	607WeD	McCarthy	ST-SL		2	14	48	2	6
607	WeD	607WeD	Windy	ST-SL		1	0	20	2	6
607	WeD	607WeD	Windy	ST-SL		1	0	14	2	6
607	WeD	607WeD	Windy	ST-SL		2	20	44	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
607	WeD	607WeD	Windy	ST-SL		2	14	48	2	6
607	WfE	607WfE	McCarthy	CBV-SL		1	0	20	2	6
607	WfE	607WfE	McCarthy	CBV-SL		1	0	14	2	6
607	WfE	607WfE	McCarthy	CBV-SL		2	20	44	2	6
607	WfE	607WfE	McCarthy	CBV-SL		2	14	48	2	6
607	WfE	607WfE	Windy	STV-SL		1	0	20	2	6
607	WfE	607WfE	Windy	STV-SL		1	0	14	2	6
607	WfE	607WfE	Windy	STV-SL		2	20	44	2	6
607	WfE	607WfE	Windy	STV-SL		2	14	48	2	6
607	WfG	607WfG	McCarthy	CBV-SL		1	0	20	2	6
607	WfG	607WfG	McCarthy	CBV-SL		1	0	14	2	6
607	WfG	607WfG	McCarthy	CBV-SL		2	20	44	2	6
607	WfG	607WfG	McCarthy	CBV-SL		2	14	48	2	6
607	WfG	607WfG	Windy	STV-SL		1	0	20	2	6
607	WfG	607WfG	Windy	STV-SL		1	0	14	2	6
607	WfG	607WfG	Windy	STV-SL		2	20	44	2	6
607	WfG	607WfG	Windy	STV-SL		2	14	48	2	6
607	WgE	607WgE	McCarthy	ST-SL		1	0	20	2	6
607	WgE	607WgE	McCarthy	ST-SL		1	0	14	2	6
607	WgE	607WgE	McCarthy	ST-SL		2	20	44	2	6
607	WgE	607WgE	McCarthy	ST-SL		2	14	48	2	6
607	WgE	607WgE	Rock Outcrop			1	0	20	2	6
607	WgE	607WgE	Rock Outcrop			1	0	14	2	6
607	WgE	607WgE	Rock Outcrop			2	20	44	2	6
607	WgE	607WgE	Rock Outcrop			2	14	48	2	6
607	WgE	607WgE	Windy	STV-SL		1	0	20	2	6
607	WgE	607WgE	Windy	STV-SL		1	0	14	2	6
607	WgE	607WgE	Windy	STV-SL		2	20	44	2	6
607	WgE	607WgE	Windy	STV-SL		2	14	48	2	6
609	GaE2	609GaE2	Gaviota	SL		1	0	17	2	6
609	GaE2	609GaE2	Rock Outcrop			1	0	17	2	6
609	GaF2	609GaF2	Gaviota	SL		1	0	17	2	6
609	GaF2	609GaF2	Rock Outcrop			1	0	17	2	6
609	Lg	609Lg	Livermore	GR-L		2	12	34	2	6
609	Lg	609Lg	Livermore	GR-L		3	34	60	6	20
609	Lm	609Lm	Livermore	GRV-COSL		1	0	12	2	6
609	Lm	609Lm	Livermore	GRV-COSL		2	12	34	6	20
609	Lm	609Lm	Livermore	GRV-COSL		3	34	60	6	20
609	LpF2	609LpF2	Gaviota	SL		1	0	17	2	6
609	LpF2	609LpF2	Los Gatos	L		1	0	17	2	6
609	LpF2	609LpF2	Los Osos	SICL		1	0	17	2	6
609	Yo	609Yo	Yolo	L		3	36	60	6	20
609	Yr	609Yr	Yolo	GR-L		1	0	16	2	6
609	Yr	609Yr	Yolo	GR-L		2	16	60	2	6
609	Ys	609Ys	Yolo	SL		1	0	16	2	6
609	Ys	609Ys	Yolo	SL		2	16	60	2	6
614	AkG	614AkG	Aldax	GRV-SL		1	0	3	2	6
614	AkG	614AkG	Aldax	GRV-SL		2	3	12	2	6
614	AkG	614AkG	Rock Outcrop			1	0	3	2	6
614	AkG	614AkG	Rock Outcrop			2	3	12	2	6
614	AmE	614AmE	Aldax	GRV-SL		1	0	3	2	6
614	AmE	614AmE	Aldax	GRV-SL		2	3	12	2	6
614	AmE	614AmE	Millich	STV-L		1	0	3	2	6
614	AmE	614AmE	Millich	STV-L		2	3	12	2	6
614	AmG	614AmG	Aldax	GRV-SL		1	0	3	2	6
614	AmG	614AmG	Aldax	GRV-SL		2	3	12	2	6
614	AmG	614AmG	Millich	STV-L		1	0	3	2	6
614	AmG	614AmG	Millich	STV-L		2	3	12	2	6
614	BaE	614BaE	Badenaugh	CBV-SL		1	0	12	2	6
614	BaE	614BaE	Badenaugh	CBV-SL		2	12	27	2	6
614	BdA	614BdA	Balman	L		4	26	64	2	6
614	BdA	614BdA	Ramelli	C		4	26	64	2	6
614	Bf	614Bf	Beckwourth	LCOS		1	0	23	6	20
614	Bf	614Bf	Beckwourth	LCOS		3	34	48	6	20

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
614	Bf	614Bf	Beckwourth	LCOS		4	48	60	6	20
614	Bh	614Bh	Beckwourth	LCOS		1	0	23	6	20
614	Bh	614Bh	Beckwourth	LCOS		3	34	48	6	20
614	Bk	614Bk	Beckwourth	SL		3	34	48	6	20
614	Bk	614Bk	Beckwourth	SL		4	48	60	6	20
614	BmA	614BmA	Beckwourth	LCOS		1	0	23	6	20
614	BmA	614BmA	Beckwourth	LCOS		3	33	63	2	6
614	BmA	614BmA	Beckwourth	LCOS		3	34	48	6	20
614	BmA	614BmA	Beckwourth	LCOS		4	48	60	6	20
614	BmA	614BmA	Loyalton	FSL		1	0	23	6	20
614	BmA	614BmA	Loyalton	FSL		3	33	63	2	6
614	BmA	614BmA	Loyalton	FSL		3	34	48	6	20
614	BmA	614BmA	Loyalton	FSL		4	48	60	6	20
614	Bn	614Bn	Beckwourth	LCOS		1	0	22	2	6
614	Bn	614Bn	Beckwourth	LCOS		1	0	23	6	20
614	Bn	614Bn	Beckwourth	LCOS		2	22	60	6	20
614	Bn	614Bn	Beckwourth	LCOS		3	34	48	6	20
614	Bn	614Bn	Beckwourth	LCOS		4	48	60	6	20
614	Bn	614Bn	Ormsby	LS		1	0	22	2	6
614	Bn	614Bn	Ormsby	LS		1	0	23	6	20
614	Bn	614Bn	Ormsby	LS		2	22	60	6	20
614	Bn	614Bn	Ormsby	LS		3	34	48	6	20
614	Bn	614Bn	Ormsby	LS		4	48	60	6	20
614	BrA	614BrA	Bidwell	SL		4	27	38	2	6
614	BrA	614BrA	Bidwell	SL		5	38	62	6	20
614	BrB	614BrB	Bidwell	SL		4	27	38	2	6
614	BrB	614BrB	Bidwell	SL		5	38	62	6	20
614	BsA	614BsA	Bidwell	SL		4	22	40	6	20
614	BsA	614BsA	Bidwell	SL		5	40	60	6	20
614	BtA	614BtA	Bidwell	L		4	27	38	2	6
614	BtA	614BtA	Bidwell	L		5	38	62	6	20
614	BuB	614BuB	Bieber	GR-SL	THICK	1	0	6	2	6
614	BwA	614BwA	Bieber	SL	THICK	1	0	6	2	6
614	CaA	614CaA	Calpine	COSL		1	0	21	2	6
614	CaA	614CaA	Calpine	COSL		2	21	46	2	6
614	CaA	614CaA	Calpine	COSL		3	46	81	6	20
614	CaB	614CaB	Calpine	COSL		1	0	21	2	6
614	CaB	614CaB	Calpine	COSL		2	21	46	2	6
614	CaB	614CaB	Calpine	COSL		3	46	81	6	20
614	CaC	614CaC	Calpine	COSL		1	0	21	2	6
614	CaC	614CaC	Calpine	COSL		2	21	46	2	6
614	CaC	614CaC	Calpine	COSL		3	46	81	6	20
614	CgB2	614CgB2	Calpine	COSL		1	0	21	2	6
614	CgB2	614CgB2	Calpine	COSL		2	21	46	2	6
614	CgB2	614CgB2	Calpine	COSL		3	46	81	6	20
614	CgB2	614CgB2	Lovejoy	L	THICK	1	0	21	2	6
614	CgB2	614CgB2	Lovejoy	L	THICK	2	21	46	2	6
614	CgB2	614CgB2	Lovejoy	L	THICK	3	46	81	6	20
614	DfA	614DfA	Dotta	SL		4	41	68	2	6
614	DfC	614DfC	Dotta	SL		4	41	68	2	6
614	DgE	614DgE	Dotta	GR-SL		4	41	68	2	6
614	DhE	614DhE	Dotta	CB-SL		4	41	68	2	6
614	DmC	614DmC	Dotta	SL		4	41	68	2	6
614	DmC	614DmC	Lovejoy	L	THICK	4	41	68	2	6
614	GaB	614GaB	Galeppi	LCOS		1	0	9	6	20
614	GaE	614GaE	Galeppi	LCOS		1	0	9	6	20
614	GdE	614GdE	Galeppi	CB-LCOS		1	0	9	6	20
614	GpF	614GpF	Glean	STX-SL		1	0	6	2	6
614	GpF	614GpF	Glean	STX-SL		2	6	39	2	6
614	GpF	614GpF	Glean	STX-SL		3	39	51	2	6
614	GrF	614GrF	Glenbrook	GR-LCOS		1	0	4	6	20
614	GrF	614GrF	Glenbrook	GR-LCOS		2	4	20	6	20
614	GrF	614GrF	Rock Outcrop			1	0	4	6	20
614	GrF	614GrF	Rock Outcrop			2	4	20	6	20

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
614	HtE	614HtE	Haypress	LCOS		1	0	5	6	20
614	HtE	614HtE	Haypress	LCOS		1	0	14	6	20
614	HtE	614HtE	Haypress	LCOS		2	5	12	6	20
614	HtE	614HtE	Haypress	LCOS		2	14	49	6	20
614	HtE	614HtE	Toiyabe	LCOS		1	0	5	6	20
614	HtE	614HtE	Toiyabe	LCOS		1	0	14	6	20
614	HtE	614HtE	Toiyabe	LCOS		2	5	12	6	20
614	HtE	614HtE	Toiyabe	LCOS		2	14	49	6	20
614	HtG	614HtG	Haypress	LCOS		1	0	5	6	20
614	HtG	614HtG	Haypress	LCOS		1	0	14	6	20
614	HtG	614HtG	Haypress	LCOS		2	5	12	6	20
614	HtG	614HtG	Haypress	LCOS		2	14	49	6	20
614	HtG	614HtG	Toiyabe	LCOS		1	0	5	6	20
614	HtG	614HtG	Toiyabe	LCOS		1	0	14	6	20
614	HtG	614HtG	Toiyabe	LCOS		2	5	12	6	20
614	HtG	614HtG	Toiyabe	LCOS		2	14	49	6	20
614	Lo	614Lo	Loyalton	FSL		3	33	63	2	6
614	Lp	614Lp	Loyalton	SIL		3	33	63	2	6
614	MdB	614MdB	Mixed Alluvial Land	S		1	0	10	6	20
614	MdB	614MdB	Mixed Alluvial Land	S		2	10	60	6	20
614	MrC	614MrC	Mottsville	LCOS		1	0	4	6	20
614	MrC	614MrC	Mottsville	LCOS		2	4	10	6	20
614	MrC	614MrC	Mottsville	LCOS		3	10	60	6	20
614	OrB	614OrB	Ormsby	LS		1	0	14	6	20
614	OrB	614OrB	Ormsby	LS		2	14	60	2	6
614	OtA	614OtA	Ormsby	LS		1	0	16	6	20
614	OtA	614OtA	Ormsby	LS		2	16	60	2	6
614	OtB	614OtB	Ormsby	LS		1	0	14	6	20
614	OtB	614OtB	Ormsby	LS		2	14	60	2	6
614	PrE	614PrE	Portola	CB-COSL		1	0	9	6	20
614	PrE	614PrE	Portola	CB-COSL		2	9	17	6	20
614	PrE	614PrE	Portola	CB-COSL		3	17	30	6	20
614	PrF	614PrF	Portola	CB-COSL		1	0	9	6	20
614	PrF	614PrF	Portola	CB-COSL		2	9	17	6	20
614	PrF	614PrF	Portola	CB-COSL		3	17	30	6	20
614	Ps	614Ps	Portola Variant	L		1	0	10	2	6
614	Ps	614Ps	Portola Variant	L		2	10	19	2	6
614	Ps	614Ps	Portola Variant	L		3	19	29	2	6
614	Ps	614Ps	Portola Variant	L		4	29	37	6	20
614	QuD	614QuD	Quincy	S		1	0	10	20	20
614	QuD	614QuD	Quincy	S		2	10	78	20	20
614	Ra	614Ra	Ramelli	C		4	26	64	2	6
614	Rb	614Rb	Ramelli	C		4	26	64	2	6
614	Rc	614Rc	Ramelli	C		4	26	64	2	6
614	ReE	614ReE	Reba	SL		1	0	10	2	6
614	ReE	614ReE	Reba	SL		4	49	66	2	6
614	RtD	614RtD	Reno	GR-SL	THICK	1	0	2	2	6
614	RtD	614RtD	Reno	GR-SL	THICK	2	2	10	2	6
614	RtD	614RtD	Reno	GR-SL	THICK	5	40	60	2	6
614	SaD	614SaD	Saralegui	SL		3	36	61	2	6
614	StF	614StF	Sattley	STX-SL		1	0	15	2	6
614	Sw	614Sw	Smithneck	SL		1	0	15	2	6
614	Sw	614Sw	Smithneck	SL		2	15	48	2	6
614	Sw	614Sw	Smithneck	SL		3	48	60	6	20
614	TbE	614TbE	Bonta	LCOS		1	0	12	6	20
614	TbE	614TbE	Bonta	LCOS		1	0	5	6	20
614	TbE	614TbE	Bonta	LCOS		2	12	31	2	6
614	TbE	614TbE	Bonta	LCOS		2	5	12	6	20
614	TbE	614TbE	Toiyabe	LCOS		1	0	12	6	20
614	TbE	614TbE	Toiyabe	LCOS		1	0	5	6	20
614	TbE	614TbE	Toiyabe	LCOS		2	12	31	2	6
614	TbE	614TbE	Toiyabe	LCOS		2	5	12	6	20
614	TbG	614TbG	Bonta	LCOS		1	0	12	6	20
614	TbG	614TbG	Bonta	LCOS		1	0	5	6	20

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
614	TbG	614TbG	Bonta	LCOS		2	12	31	2	6
614	TbG	614TbG	Bonta	LCOS		2	5	12	6	20
614	TbG	614TbG	Toiyabe	LCOS		1	0	12	6	20
614	TbG	614TbG	Toiyabe	LCOS		1	0	5	6	20
614	TbG	614TbG	Toiyabe	LCOS		2	12	31	2	6
614	TbG	614TbG	Toiyabe	LCOS		2	5	12	6	20
614	TsD	614TsD	Trosi	STV-SL	THICK	1	0	7	2	6
614	TtD	614TtD	Trosi	STX-SL	THICK	1	0	7	2	6
614	TuF2	614TuF2	Saralegui	SL		1	0	7	2	6
614	TuF2	614TuF2	Saralegui	SL		3	36	61	2	6
614	TuF2	614TuF2	Trosi	STV-SL	THICK	1	0	7	2	6
614	TuF2	614TuF2	Trosi	STV-SL	THICK	3	36	61	2	6
619	AdB	619AdB	Ahwahnee	SL		1	0	8	2	6
619	AdB	619AdB	Ahwahnee	SL		2	8	38	2	6
619	AdC	619AdC	Ahwahnee	SL		1	0	8	2	6
619	AdC	619AdC	Ahwahnee	SL		2	8	38	2	6
619	AdD	619AdD	Ahwahnee	SL		1	0	8	2	6
619	AdD	619AdD	Ahwahnee	SL		2	8	38	2	6
619	AeD	619AeD	Ahwahnee	SL		1	0	8	2	6
619	AeD	619AeD	Ahwahnee	SL		2	8	38	2	6
619	AeD	619AeD	Rock Outcrop	UWB		1	0	8	2	6
619	AeD	619AeD	Rock Outcrop	UWB		2	8	38	2	6
619	AeE	619AeE	Ahwahnee	SL		1	0	8	2	6
619	AeE	619AeE	Ahwahnee	SL		2	8	38	2	6
619	AeE	619AeE	Rock Outcrop	UWB		1	0	8	2	6
619	AeE	619AeE	Rock Outcrop	UWB		2	8	38	2	6
619	AtC	619AtC	Auberry	SL		1	0	14	2	6
619	AtC	619AtC	Auberry	SL		4	27	40	2	6
619	AuD	619AuD	Auberry	SL		1	0	14	2	6
619	AuD	619AuD	Auberry	SL		4	27	40	2	6
619	AuD	619AuD	Rock Outcrop	UWB		1	0	14	2	6
619	AuD	619AuD	Rock Outcrop	UWB		4	27	40	2	6
619	AuE	619AuE	Auberry	SL		1	0	14	2	6
619	AuE	619AuE	Auberry	SL		4	27	40	2	6
619	AuE	619AuE	Rock Outcrop	UWB		1	0	14	2	6
619	AuE	619AuE	Rock Outcrop	UWB		4	27	40	2	6
619	CdE2	619CdE2	Chaix	SL		1	0	8	2	6
619	CdE2	619CdE2	Chaix	SL		2	8	34	2	6
619	ChC2	619ChC2	Chaix	SL		1	0	12	2	6
619	ChC2	619ChC2	Chaix	SL		1	0	8	2	6
619	ChC2	619ChC2	Chaix	SL		2	12	21	2	6
619	ChC2	619ChC2	Chaix	SL		2	8	34	2	6
619	ChC2	619ChC2	Hotaw	SL		1	0	12	2	6
619	ChC2	619ChC2	Hotaw	SL		1	0	8	2	6
619	ChC2	619ChC2	Hotaw	SL		2	12	21	2	6
619	ChC2	619ChC2	Hotaw	SL		2	8	34	2	6
619	ChD2	619ChD2	Chaix	SL		1	0	12	2	6
619	ChD2	619ChD2	Chaix	SL		1	0	8	2	6
619	ChD2	619ChD2	Chaix	SL		2	12	21	2	6
619	ChD2	619ChD2	Chaix	SL		2	8	34	2	6
619	ChD2	619ChD2	Hotaw	SL		1	0	12	2	6
619	ChD2	619ChD2	Hotaw	SL		1	0	8	2	6
619	ChD2	619ChD2	Hotaw	SL		2	12	21	2	6
619	ChD2	619ChD2	Hotaw	SL		2	8	34	2	6
619	ChE2	619ChE2	Chaix	SL		1	0	12	2	6
619	ChE2	619ChE2	Chaix	SL		1	0	8	2	6
619	ChE2	619ChE2	Chaix	SL		2	12	21	2	6
619	ChE2	619ChE2	Chaix	SL		2	8	34	2	6
619	ChE2	619ChE2	Hotaw	SL		1	0	12	2	6
619	ChE2	619ChE2	Hotaw	SL		1	0	8	2	6
619	ChE2	619ChE2	Hotaw	SL		2	12	21	2	6
619	ChE2	619ChE2	Hotaw	SL		2	8	34	2	6
619	CkF	619CkF	Chaix	SL		1	0	8	2	6
619	CkF	619CkF	Chaix	SL		2	8	34	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
619	CkF	619CkF	Rock Outcrop	UWB		1	0	8	2	6
619	CkF	619CkF	Rock Outcrop	UWB		2	8	34	2	6
619	ClC	619ClC	Chaix Variant	STV-L		4	34	44	2	6
619	ClD	619ClD	Chaix Variant	STV-L		4	34	44	2	6
619	ClE	619ClE	Chaix Variant	STV-L		4	34	44	2	6
619	CsE	619CsE	Cohasset	CB-L		1	0	10	2	6
619	CsE	619CsE	Cohasset	CB-L		2	10	31	2	6
619	CsE	619CsE	McCarthy	CB-L		1	0	10	2	6
619	CsE	619CsE	McCarthy	CB-L		2	10	31	2	6
619	CsF	619CsF	Cohasset	CB-L		1	0	10	2	6
619	CsF	619CsF	Cohasset	CB-L		2	10	31	2	6
619	CsF	619CsF	McCarthy	CB-L		1	0	10	2	6
619	CsF	619CsF	McCarthy	CB-L		2	10	31	2	6
619	HnB	619HnB	Hoda	SL		1	0	12	2	6
619	HnC	619HnC	Hoda	SL		1	0	12	2	6
619	HnE	619HnE	Hoda	SL		1	0	12	2	6
619	HoC2	619HoC2	Hoda	CB-SL		1	0	8	2	6
619	HpF	619HpF	Hoda	SL		1	0	12	2	6
619	HpF	619HpF	Rock Outcrop	UWB		1	0	12	2	6
619	HrC	619HrC	Horseshoe	GR-L		4	59	69	2	6
619	HrD	619HrD	Horseshoe	GR-L		4	59	69	2	6
619	ImE	619ImE	Iron Mountain	CB-L		1	0	17	2	6
619	MnE	619MnE	McCarthy	SL		1	0	10	2	6
619	MnE	619MnE	McCarthy	SL		2	10	31	2	6
619	MoC	619MoC	McCarthy	CB-L		1	0	10	2	6
619	MoC	619MoC	McCarthy	CB-L		2	10	31	2	6
619	MoE	619MoE	McCarthy	CB-L		1	0	10	2	6
619	MoE	619MoE	McCarthy	CB-L		2	10	31	2	6
619	MrC	619MrC	Musick	SL		1	0	25	2	6
619	MrE	619MrE	Musick	SL		1	0	25	2	6
619	MsE	619MsE	Musick	SL		1	0	25	2	6
619	MsE	619MsE	Rock Outcrop	UWB		1	0	25	2	6
619	Pr	619Pr	Placer Diggings	FRAG		1	0	60	6	20
619	RoE	619RoE	Ahwahnee	SL		1	0	8	2	6
619	RoE	619RoE	Ahwahnee	SL		2	8	38	2	6
619	RoE	619RoE	Rock Outcrop	UWB		1	0	8	2	6
619	RoE	619RoE	Rock Outcrop	UWB		2	8	38	2	6
619	SdC	619SdC	Shenandoah	SL		1	0	18	2	6
619	Ta	619Ta	Tailings	FRAG		1	0	60	6	20
624	AcC	624AcC	Ahwahnee	COSL		1	0	8	2	6
624	AcC	624AcC	Ahwahnee	COSL		2	8	26	2	6
624	AdD	624AdD	Ahwahnee	COSL		1	0	8	2	6
624	AdD	624AdD	Ahwahnee	COSL		2	8	26	2	6
624	AdD	624AdD	Rock Outcrop			1	0	8	2	6
624	AdD	624AdD	Rock Outcrop			2	8	26	2	6
624	AdE	624AdE	Ahwahnee	COSL		1	0	8	2	6
624	AdE	624AdE	Ahwahnee	COSL		2	8	26	2	6
624	AdE	624AdE	Rock Outcrop			1	0	8	2	6
624	AdE	624AdE	Rock Outcrop			2	8	26	2	6
624	ArB	624ArB	Auberry	COSL		1	0	13	2	6
624	ArB	624ArB	Auberry	COSL		3	36	56	2	6
624	ArC	624ArC	Auberry	COSL		1	0	13	2	6
624	ArC	624ArC	Auberry	COSL		3	36	56	2	6
624	ArD	624ArD	Auberry	COSL		1	0	13	2	6
624	ArD	624ArD	Auberry	COSL		3	36	56	2	6
624	AsC	624AsC	Auberry	COSL		1	0	13	2	6
624	AsC	624AsC	Auberry	COSL		3	36	56	2	6
624	AtD	624AtD	Auberry	COSL		1	0	13	2	6
624	AtD	624AtD	Auberry	COSL		3	36	56	2	6
624	AtD	624AtD	Rock Outcrop			1	0	13	2	6
624	AtD	624AtD	Rock Outcrop			3	36	56	2	6
624	AtE	624AtE	Auberry	COSL		1	0	13	2	6
624	AtE	624AtE	Auberry	COSL		3	36	56	2	6
624	AtE	624AtE	Rock Outcrop			1	0	13	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
624	AtE	624AtE	Rock Outcrop			3	36	56	2	6
624	AuD	624AuD	Auberry	COSL		1	0	12	2	6
624	AuD	624AuD	Auberry	COSL		3	24	36	2	6
624	AuD	624AuD	Rock Outcrop			1	0	12	2	6
624	AuD	624AuD	Rock Outcrop			3	24	36	2	6
624	CcE	624CcE	Chaix	COSL		1	0	8	2	6
624	CcE	624CcE	Chaix	COSL		2	8	34	2	6
624	CcE	624CcE	Rock Outcrop			1	0	8	2	6
624	CcE	624CcE	Rock Outcrop			2	8	34	2	6
624	CcF	624CcF	Chaix	COSL		1	0	8	2	6
624	CcF	624CcF	Chaix	COSL		2	8	34	2	6
624	CcF	624CcF	Rock Outcrop			1	0	8	2	6
624	CcF	624CcF	Rock Outcrop			2	8	34	2	6
624	ChE	624ChE	Chawanakee	COSL		1	0	16	2	6
624	ChE	624ChE	Rock Outcrop			1	0	16	2	6
624	DmD	624DmD	Diamond Springs Vari	GR-SL		1	0	5	2	6
624	DmD	624DmD	Diamond Springs Vari	GR-SL		4	38	48	2	6
624	DmE	624DmE	Diamond Springs Vari	GR-SL		1	0	5	2	6
624	DmE	624DmE	Diamond Springs Vari	GR-SL		4	38	48	2	6
624	HgB	624HgB	Holland	COSL		1	0	21	2	6
624	HgB	624HgB	Holland	COSL		3	45	60	2	6
624	HgC	624HgC	Holland	COSL		1	0	21	2	6
624	HgC	624HgC	Holland	COSL		3	45	60	2	6
624	HgD	624HgD	Holland	COSL		1	0	21	2	6
624	HgD	624HgD	Holland	COSL		3	45	60	2	6
624	HhC	624HhC	Holland	COSL		1	0	21	2	6
624	HhC	624HhC	Holland	COSL		3	45	60	2	6
624	HkE	624HkE	Holland	COSL		1	0	21	2	6
624	HkE	624HkE	Holland	COSL		3	45	60	2	6
624	HkE	624HkE	Rock Outcrop			1	0	21	2	6
624	HkE	624HkE	Rock Outcrop			3	45	60	2	6
624	HkF	624HkF	Holland	COSL		1	0	21	2	6
624	HkF	624HkF	Holland	COSL		3	45	60	2	6
624	HkF	624HkF	Rock Outcrop			1	0	21	2	6
624	HkF	624HkF	Rock Outcrop			3	45	60	2	6
624	HtE	624HtE	Hotaw	COSL		1	0	12	2	6
624	HtE	624HtE	Hotaw	COSL		2	12	22	2	6
624	HtE	624HtE	Rock Outcrop			1	0	12	2	6
624	HtE	624HtE	Rock Outcrop			2	12	22	2	6
624	ImE	624ImE	Iron Mountain	CB-SL		1	0	12	2	6
624	ImE	624ImE	Rock Outcrop			1	0	12	2	6
624	MhE	624MhE	McCarthy	CB-L		1	0	10	2	6
624	MhE	624MhE	McCarthy	CB-L		2	10	38	2	6
624	MrC	624MrC	Musick	SL		1	0	12	2	6
624	MrD	624MrD	Musick	SL		1	0	12	2	6
624	MsC	624MsC	Musick	SL		1	0	12	2	6
624	MtE	624MtE	Musick	SL		1	0	12	2	6
624	MtE	624MtE	Rock Outcrop			1	0	12	2	6
624	PrD	624PrD	Placer Diggings	FRAG		1	0	60	6	20
624	SbB	624SbB	Shaver	COSL		1	0	30	2	6
624	SbB	624SbB	Shaver	COSL		2	30	40	2	6
624	SbB	624SbB	Shaver	COSL		3	40	51	2	6
624	SbC	624SbC	Shaver	COSL		1	0	30	2	6
624	SbC	624SbC	Shaver	COSL		2	30	40	2	6
624	SbC	624SbC	Shaver	COSL		3	40	51	2	6
624	SbD	624SbD	Shaver	COSL		1	0	30	2	6
624	SbD	624SbD	Shaver	COSL		2	30	40	2	6
624	SbD	624SbD	Shaver	COSL		3	40	51	2	6
624	ScC	624ScC	Shaver	COSL		1	0	30	2	6
624	ScC	624ScC	Shaver	COSL		2	30	40	2	6
624	ScC	624ScC	Shaver	COSL		3	40	51	2	6
624	SdE	624SdE	Rock Outcrop			1	0	30	2	6
624	SdE	624SdE	Rock Outcrop			2	30	40	2	6
624	SdE	624SdE	Rock Outcrop			3	40	51	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
624	SdE	624SdE	Shaver	COSL		1	0	30	2	6
624	SdE	624SdE	Shaver	COSL		2	30	40	2	6
624	SdE	624SdE	Shaver	COSL		3	40	51	2	6
624	TaD	624TaD	Tailings	FRAG		1	0	60	6	20
628	FdC	628FdC	Fiddletown	GR-L		1	0	22	2	6
628	FdC	628FdC	Fiddletown	GR-L		2	22	45	2	6
628	FdD	628FdD	Fiddletown	GR-L		1	0	22	2	6
628	FdD	628FdD	Fiddletown	GR-L		2	22	45	2	6
628	FgB	628FgB	Fiddletown	GR-L		1	0	22	2	6
628	FgB	628FgB	Fiddletown	GR-L		2	22	45	2	6
628	FoE	628FoE	Fiddletown	GR-L		1	0	22	2	6
628	FoE	628FoE	Fiddletown	GR-L		2	22	45	2	6
628	FoE	628FoE	Rock Outcrop			1	0	22	2	6
628	FoE	628FoE	Rock Outcrop			2	22	45	2	6
628	FoF	628FoF	Fiddletown	GR-L		1	0	22	2	6
628	FoF	628FoF	Fiddletown	GR-L		2	22	45	2	6
628	FoF	628FoF	Rock Outcrop			1	0	22	2	6
628	FoF	628FoF	Rock Outcrop			2	22	45	2	6
628	FtE	628FtE	Fiddletown	GR-L		1	0	22	2	6
628	FtE	628FtE	Fiddletown	GR-L		2	22	50	2	6
628	FtE	628FtE	Rock Outcrop			1	0	22	2	6
628	FtE	628FtE	Rock Outcrop			2	22	50	2	6
628	HcC	628HcC	Holland Coarse Sandy Loam	COSL		1	0	10	2	6
628	HcD	628HcD	Holland	COSL		1	0	10	2	6
628	HcE	628HcE	Holland	COSL		1	0	10	2	6
628	HdC	628HdC	Holland	COSL		1	0	22	2	6
628	HdD	628HdD	Holland	COSL		1	0	22	2	6
628	HfD	628HfD	Holland	COSL		1	0	10	2	6
628	HfD	628HfD	Rock Outcrop			1	0	10	2	6
628	HfE	628HfE	Holland	COSL		1	0	10	2	6
628	HfE	628HfE	Rock Outcrop			1	0	10	2	6
628	HfF	628HfF	Holland	COSL		1	0	10	2	6
628	HfF	628HfF	Rock Outcrop			1	0	10	2	6
628	HkE	628HkE	Holland	COSL		1	0	22	2	6
628	HkE	628HkE	Rock Outcrop			1	0	22	2	6
628	LaC	628LaC	Laniger	SL		1	0	12	2	6
628	LaC	628LaC	Laniger	SL		2	12	34	2	6
628	LgB	628LgB	Laniger	SL		1	0	15	2	6
628	LgB	628LgB	Laniger	SL		2	15	40	2	6
628	Lo	628Lo	Loamy Alluvial Land	L		1	0	10	2	6
628	Lo	628Lo	Loamy Alluvial Land	L		2	10	30	2	6
628	Lo	628Lo	Loamy Alluvial Land	L		3	30	60	2	6
628	Mn	628Mn	Mine Tailings	VAR		1	0	6	6	20
628	Mn	628Mn	Mine Tailings	VAR		2	6	60	6	20
628	Mn	628Mn	Riverwash	GR-COS		1	0	6	6	20
628	Mn	628Mn	Riverwash	GR-COS		2	6	60	6	20
628	Mo	628Mo	Mixed Alluvial Land	S		1	0	10	6	20
628	Mo	628Mo	Mixed Alluvial Land	S		2	10	60	6	20
628	Mp	628Mp	Mixed Wet Alluvial Land	CL		3	40	60	6	20
628	MrB	628MrB	Mokelumne	SL		1	0	13	2	6
628	MsD	628MsD	Mokelumne	COSL		1	0	13	2	6
628	Mt	628Mt	Alluvial Land	SL		1	0	10	2	6
628	Mt	628Mt	Alluvial Land	SL		1	0	13	2	6
628	Mt	628Mt	Alluvial Land	SL		2	10	30	2	6
628	Mt	628Mt	Alluvial Land	SL		3	30	60	2	6
628	Mt	628Mt	Alluvial Land	SL		4	39	52	2	6
628	Mt	628Mt	Mokelumne	SL		1	0	10	2	6
628	Mt	628Mt	Mokelumne	SL		1	0	13	2	6
628	Mt	628Mt	Mokelumne	SL		2	10	30	2	6
628	Mt	628Mt	Mokelumne	SL		3	30	60	2	6
628	Mt	628Mt	Mokelumne	SL		4	39	52	2	6
628	MuB	628MuB	Musick	SL		1	0	14	2	6
628	MuB	628MuB	Musick	SL		4	47	97	2	6
628	MuC	628MuC	Musick	SL		1	0	14	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
628	MuC	628MuC	Musick	SL		4	47	97	2	6
628	MuD	628MuD	Musick	SL		1	0	14	2	6
628	MuD	628MuD	Musick	SL		4	47	97	2	6
628	MuE	628MuE	Musick	SL		1	0	14	2	6
628	MuE	628MuE	Musick	SL		4	47	97	2	6
628	MvC	628MvC	Musick	SL		1	0	14	2	6
628	MvC	628MvC	Musick	SL		4	47	97	2	6
628	MvC	628MvC	Rock Outcrop			1	0	14	2	6
628	MvC	628MvC	Rock Outcrop			4	47	97	2	6
628	MvE	628MvE	Musick	SL		1	0	14	2	6
628	MvE	628MvE	Musick	SL		4	47	97	2	6
628	MvE	628MvE	Rock Outcrop			1	0	14	2	6
628	MvE	628MvE	Rock Outcrop			4	47	97	2	6
628	MvF	628MvF	Musick	SL		1	0	14	2	6
628	MvF	628MvF	Rock Outcrop			1	0	14	2	6
628	MwE	628MwE	Musick	SL		1	0	11	2	6
628	MwE	628MwE	Rock Outcrop			1	0	11	2	6
628	MwF	628MwF	Musick	SL		1	0	11	2	6
628	MwF	628MwF	Rock Outcrop			1	0	11	2	6
628	MxF	628MxF	Musick	SL		1	0	11	2	6
628	MxF	628MxF	Rock Outcrop			1	0	11	2	6
628	PnC	628PnC	Pentz	SL		1	0	10	2	6
628	PnC	628PnC	Pentz	SL		2	10	19	2	6
628	PnC2	628PnC2	Pentz	SL		1	0	5	6	20
628	PnC2	628PnC2	Pentz	SL		2	5	14	2	6
628	PnD	628PnD	Pentz	SL		1	0	10	2	6
628	PnD	628PnD	Pentz	SL		2	10	19	2	6
628	PoE	628PoE	Pentz	SL		1	0	5	6	20
628	PoE	628PoE	Pentz	SL		2	5	8	6	20
628	PpC	628PpC	Pentz	GR-SL		1	0	10	2	6
628	PpC	628PpC	Pentz	GR-SL		2	10	19	2	6
628	Pw	628Pw	Placer Diggings	S		1	0	6	6	20
628	Pw	628Pw	Placer Diggings	S		1	0	10	6	20
628	Pw	628Pw	Placer Diggings	S		2	6	60	6	20
628	Pw	628Pw	Placer Diggings	S		2	10	60	6	20
628	Pw	628Pw	Riverwash	GR-S		1	0	6	6	20
628	Pw	628Pw	Riverwash	GR-S		1	0	10	6	20
628	Pw	628Pw	Riverwash	GR-S		2	6	60	6	20
628	Pw	628Pw	Riverwash	GR-S		2	10	60	6	20
628	RbB	628RbB	Mokelumne	GR-SL		1	0	10	2	6
628	RbB	628RbB	Red Bluff	GR-L		1	0	10	2	6
628	RbD	628RbD	Mokelumne	GR-SL		1	0	10	2	6
628	RbD	628RbD	Red Bluff	GR-L		1	0	10	2	6
628	RbE2	628RbE2	Mokelumne	GR-SL		1	0	10	2	6
628	RbE2	628RbE2	Red Bluff	GR-L		1	0	10	2	6
628	RmD	628RmD	Mine Pits	VAR		1	0	10	2	6
628	RmD	628RmD	Mokelumne	GR-SL		1	0	10	2	6
628	RmD	628RmD	Red Bluff	GR-L		1	0	10	2	6
628	ScF	628ScF	Rock Outcrop			1	0	18	2	6
628	ScF	628ScF	Rock Outcrop			2	18	48	2	6
628	ScF	628ScF	Rock Outcrop			3	48	60	2	6
628	ScF	628ScF	Shaver	COSL		1	0	18	2	6
628	ScF	628ScF	Shaver	COSL		2	18	48	2	6
628	ScF	628ScF	Shaver	COSL		3	48	60	2	6
628	SdF	628SdF	Rock Outcrop			1	0	5	2	6
628	SdF	628SdF	Rock Outcrop			2	5	30	2	6
628	SdF	628SdF	Shaver	COSL		1	0	5	2	6
628	SdF	628SdF	Shaver	COSL		2	5	30	2	6
628	SnB	628SnB	Sites	L		4	67	72	2	6
628	SnC	628SnC	Sites	L		4	67	72	2	6
628	SnD	628SnD	Sites	L		4	67	72	2	6
628	SnE	628SnE	Sites	L		4	67	72	2	6
628	SrC	628SrC	Rock Outcrop			4	67	72	2	6
628	SrC	628SrC	Sites	GR-L		4	67	72	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
628	SrE	628SrE	Rock Outcrop			4	67	72	2	6
628	SrE	628SrE	Sites	GR-L		4	67	72	2	6
628	SrF	628SrF	Rock Outcrop			4	67	72	2	6
628	SrF	628SrF	Sites	GR-L		4	67	72	2	6
628	SuB	628SuB	Snelling	L		1	0	11	2	6
628	SwD	628SwD	Snelling	SL		1	0	16	2	6
628	SwE	628SwE	Snelling	SL		1	0	16	2	6
628	SxD	628SxD	Supan	CB-L		1	0	8	2	6
628	SxD	628SxD	Supan	CB-L		3	38	70	2	6
628	SyD	628SyD	Supan	CBV-L		1	0	14	2	6
628	SyE	628SyE	Supan	CBV-L		1	0	14	2	6
628	WcD	628WcD	Windy	CB-SL		1	0	15	2	6
628	WcD	628WcD	Windy	CB-SL		2	15	49	2	6
628	WcE	628WcE	Windy	CB-SL		1	0	15	2	6
628	WcE	628WcE	Windy	CB-SL		2	15	49	2	6
637	Ad	637Ad	Active Dune Land	FS		1	0	6	6	20
637	Ad	637Ad	Active Dune Land	FS		2	6	60	6	20
637	BaB2	637BaB2	Baywood	SL		1	0	25	2	6
637	BaB2	637BaB2	Baywood	SL		2	25	65	6	20
637	BaC2	637BaC2	Baywood	SL		1	0	25	2	6
637	BaC2	637BaC2	Baywood	SL		2	25	65	6	20
637	BaD2	637BaD2	Baywood	SL		1	0	25	2	6
637	BaD2	637BaD2	Baywood	SL		2	25	65	6	20
637	Cf	637Cf	Coastal Beaches	FS		1	0	6	6	20
637	Cf	637Cf	Coastal Beaches	FS		2	6	60	6	20
637	CrA	637CrA	Corralitos	LS		1	0	18	6	20
637	CrA	637CrA	Corralitos	LS		2	18	60	6	20
637	CsA	637CsA	Corralitos	SL		1	0	18	2	6
637	CsA	637CsA	Corralitos	SL		2	18	60	6	20
637	CsB	637CsB	Corralitos	SL		1	0	18	2	6
637	CsB	637CsB	Corralitos	SL		2	18	60	6	20
637	CtA	637CtA	Corralitos	SL		1	0	18	2	6
637	CtA	637CtA	Corralitos	SL		2	18	60	6	20
637	CtB	637CtB	Corralitos	SL		1	0	18	2	6
637	CtB	637CtB	Corralitos	SL		2	18	60	6	20
637	CuA	637CuA	Corralitos	SL		1	0	18	2	6
637	CuA	637CuA	Corralitos	SL		2	18	36	6	20
637	CuA	637CuA	Corralitos	SL		3	36	60	6	20
637	CwB	637CwB	Corralitos	SL		1	0	18	2	6
637	CwB	637CwB	Corralitos	SL		2	18	36	6	20
637	CwB	637CwB	Corralitos	SL		3	36	60	6	20
637	CyA	637CyA	Corralitos	SL		1	0	18	2	6
637	CyA	637CyA	Corralitos	SL		2	18	36	6	20
637	DeA	637DeA	Denison	COSL		1	0	10	2	6
637	EhB	637EhB	Elkhorn	SL		1	0	30	2	6
637	EhB2	637EhB2	Elkhorn	SL		1	0	25	2	6
637	EhC2	637EhC2	Elkhorn	SL		1	0	25	2	6
637	EhD2	637EhD2	Elkhorn	SL		1	0	25	2	6
637	EhE3	637EhE3	Elkhorn	SL		1	0	20	2	6
637	EtB	637EtB	Elkhorn	SL		1	0	40	2	6
637	EtC2	637EtC2	Elkhorn	SL		1	0	30	2	6
637	FaA	637FaA	Farallone	L		1	0	20	2	6
637	FaA	637FaA	Farallone	L		2	20	48	2	6
637	FaA	637FaA	Farallone	L		3	48	60	2	6
637	FaB	637FaB	Farallone	L		1	0	20	2	6
637	FaB	637FaB	Farallone	L		2	20	48	2	6
637	FaB	637FaB	Farallone	L		3	48	60	2	6
637	FcA	637FcA	Farallone	COSL		1	0	20	2	6
637	FcA	637FcA	Farallone	COSL		2	20	48	2	6
637	FcA	637FcA	Farallone	COSL		3	48	60	2	6
637	FcB	637FcB	Farallone	COSL		1	0	20	2	6
637	FcB	637FcB	Farallone	COSL		2	20	48	2	6
637	FcB	637FcB	Farallone	COSL		3	48	60	2	6
637	FcC2	637FcC2	Farallone	COSL		1	0	15	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
637	FcC2	637FcC2	Farallone	COSL		2	15	48	2	6
637	FcC2	637FcC2	Farallone	COSL		3	48	60	2	6
637	FcD2	637FcD2	Farallone	COSL		1	0	15	2	6
637	FcD2	637FcD2	Farallone	COSL		2	15	48	2	6
637	FcD2	637FcD2	Farallone	COSL		3	48	60	2	6
637	FsB	637FsB	Farallone	COSL		1	0	20	2	6
637	FsB	637FsB	Farallone	COSL		2	20	30	2	6
637	FsB	637FsB	Farallone	COSL		3	30	60	2	6
637	FyB	637FyB	Farallone	LCOS		1	0	20	2	6
637	FyB	637FyB	Farallone	LCOS		2	20	48	2	6
637	FyB	637FyB	Farallone	LCOS		3	48	60	2	6
637	FyC2	637FyC2	Farallone	LCOS		1	0	15	2	6
637	FyC2	637FyC2	Farallone	LCOS		2	15	48	2	6
637	FyC2	637FyC2	Farallone	LCOS		3	48	60	2	6
637	GaD2	637GaD2	Gazos	FSL		1	0	12	2	6
637	GaD2	637GaD2	Gazos	FSL		2	12	25	2	6
637	GaE2	637GaE2	Gazos	FSL		1	0	12	2	6
637	GaE2	637GaE2	Gazos	FSL		2	12	25	2	6
637	GPIT	637GPIT	Gravel Pits	GRX-COS		1	0	6	6	20
637	GPIT	637GPIT	Gravel Pits	GRX-COS		2	6	60	6	20
637	HyC2	637HyC2	Hugo	SL		1	0	4	2	6
637	HyC2	637HyC2	Hugo	SL		2	4	41	2	6
637	HyC2	637HyC2	Josephine	L		1	0	4	2	6
637	HyC2	637HyC2	Josephine	L		2	4	41	2	6
637	HyD2	637HyD2	Hugo	SL		1	0	4	2	6
637	HyD2	637HyD2	Hugo	SL		2	4	41	2	6
637	HyD2	637HyD2	Josephine	L		1	0	4	2	6
637	HyD2	637HyD2	Josephine	L		2	4	41	2	6
637	HyE	637HyE	Hugo	SL		1	0	8	2	6
637	HyE	637HyE	Hugo	SL		2	8	45	2	6
637	HyE	637HyE	Josephine	L		1	0	8	2	6
637	HyE	637HyE	Josephine	L		2	8	45	2	6
637	HyE2	637HyE2	Hugo	SL		1	0	4	2	6
637	HyE2	637HyE2	Hugo	SL		2	4	41	2	6
637	HyE2	637HyE2	Josephine	L		1	0	4	2	6
637	HyE2	637HyE2	Josephine	L		2	4	41	2	6
637	HyF	637HyF	Hugo	SL		1	0	8	2	6
637	HyF	637HyF	Hugo	SL		2	8	45	2	6
637	HyF	637HyF	Josephine	L		1	0	8	2	6
637	HyF	637HyF	Josephine	L		2	8	45	2	6
637	HyF2	637HyF2	Hugo	SL		1	0	4	2	6
637	HyF2	637HyF2	Hugo	SL		2	4	41	2	6
637	HyF2	637HyF2	Josephine	L		1	0	4	2	6
637	HyF2	637HyF2	Josephine	L		2	4	41	2	6
637	HzC	637HzC	Hugo	SL		1	0	15	2	6
637	HzC	637HzC	Hugo	SL		2	15	60	2	6
637	HzC	637HzC	Josephine	L		1	0	15	2	6
637	HzC	637HzC	Josephine	L		2	15	60	2	6
637	HzD	637HzD	Hugo	SL		1	0	15	2	6
637	HzD	637HzD	Josephine	L		1	0	15	2	6
637	Ma	637Ma	Mixed Alluvial Land	S		1	0	10	6	20
637	Ma	637Ma	Mixed Alluvial Land	S		2	10	30	2	6
637	Ma	637Ma	Mixed Alluvial Land	S		3	30	60	2	6
637	MmC2	637MmC2	Miramar	COSL		1	0	22	2	6
637	MmD2	637MmD2	Miramar	COSL		1	0	22	2	6
637	MmE2	637MmE2	Miramar	COSL		1	0	22	2	6
637	MmE3	637MmE3	Miramar	COSL		1	0	18	2	6
637	MmF2	637MmF2	Miramar	COSL		1	0	22	2	6
637	Sd	637Sd	Stabilized Dune Land	FS		1	0	6	6	20
637	Sd	637Sd	Stabilized Dune Land	FS		2	6	60	6	20
637	ShD	637ShD	Sheridan	COSL		1	0	5	2	6
637	ShD	637ShD	Sheridan	COSL		2	5	38	2	6
637	ShE	637ShE	Sheridan	COSL		1	0	5	2	6
637	ShE	637ShE	Sheridan	COSL		2	5	38	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
637	ShF	637ShF	Sheridan	COSL		1	0	5	2	6
637	ShF	637ShF	Sheridan	COSL		2	5	38	2	6
637	WoB	637WoB	Watsonville	LS		1	0	8	6	20
637	ZZ900	637ZZ900	Gravel Pits	GRX-COS		1	0	6	6	20
637	ZZ900	637ZZ900	Gravel Pits	GRX-COS		2	6	60	6	20
638	AuC	638AuC	Anderson	GRV-SL		1	0	25	2	6
638	AuC	638AuC	Anderson	GRV-SL		2	25	60	2	6
638	AuF	638AuF	Anderson	GRV-SL		1	0	25	2	6
638	AuF	638AuF	Anderson	GRV-SL		2	25	60	2	6
638	AvC	638AvC	Arlington	COSL	THIN	1	0	9	2	6
638	AvC	638AvC	Arlington	COSL	THIN	4	44	60	6	20
638	BlC	638BlC	Bonsall	SL		1	0	10	2	6
638	BlC2	638BlC2	Bonsall	SL		1	0	8	2	6
638	BlD2	638BlD2	Bonsall	SL		1	0	8	2	6
638	BmC	638BmC	Bonsall	SL		1	0	20	2	6
638	BnB	638BnB	Bonsall	SL		1	0	8	2	6
638	BnB	638BnB	Bonsall	SL		1	0	10	2	6
638	BnB	638BnB	Fallbrook	SL		1	0	8	2	6
638	BnB	638BnB	Fallbrook	SL		1	0	10	2	6
638	BuB	638BuB	Bull Trail	SL		1	0	10	2	6
638	BuC	638BuC	Bull Trail	SL		1	0	10	2	6
638	BuD2	638BuD2	Bull Trail	SL		1	0	8	2	6
638	BuE2	638BuE2	Bull Trail	SL		1	0	8	2	6
638	CaB	638CaB	Calpine	COSL		1	0	12	2	6
638	CaB	638CaB	Calpine	COSL		2	12	34	2	6
638	CaB	638CaB	Calpine	COSL		3	34	72	6	20
638	CaC	638CaC	Calpine	COSL		1	0	12	2	6
638	CaC	638CaC	Calpine	COSL		2	12	34	2	6
638	CaC	638CaC	Calpine	COSL		3	34	72	6	20
638	CaC2	638CaC2	Calpine	COSL		1	0	10	2	6
638	CaC2	638CaC2	Calpine	COSL		2	10	32	2	6
638	CaC2	638CaC2	Calpine	COSL		3	32	72	6	20
638	CaD2	638CaD2	Calpine	COSL		1	0	10	2	6
638	CaD2	638CaD2	Calpine	COSL		2	10	32	2	6
638	CaD2	638CaD2	Calpine	COSL		3	32	72	6	20
638	CbB	638CbB	Carlsbad	GR-LS	THICK	1	0	21	2	6
638	CbB	638CbB	Carlsbad	GR-LS	THICK	2	21	36	2	6
638	CbC	638CbC	Carlsbad	GR-LS	THICK	1	0	21	2	6
638	CbC	638CbC	Carlsbad	GR-LS	THICK	2	21	39	2	6
638	CbD	638CbD	Carlsbad	GR-LS	THICK	1	0	21	2	6
638	CbD	638CbD	Carlsbad	GR-LS	THICK	2	21	33	2	6
638	CbE	638CbE	Carlsbad	GR-LS	THICK	1	0	21	2	6
638	CbE	638CbE	Carlsbad	GR-LS	THICK	2	21	28	2	6
638	CcC	638CcC	Carlsbad	GR-LS	THICK	1	0	21	2	6
638	CcC	638CcC	Carlsbad	GR-LS	THICK	2	21	39	2	6
638	CcC	638CcC	Urban Land	VAR		1	0	21	2	6
638	CcC	638CcC	Urban Land	VAR		2	21	39	2	6
638	CcE	638CcE	Carlsbad	GR-LS	THICK	1	0	21	2	6
638	CcE	638CcE	Carlsbad	GR-LS	THICK	2	21	39	2	6
638	CcE	638CcE	Urban Land	VAR		1	0	21	2	6
638	CcE	638CcE	Urban Land	VAR		2	21	39	2	6
638	CeC	638CeC	Carrizo	GRV-S		1	0	8	20	20
638	CeC	638CeC	Carrizo	GRV-S		2	8	60	20	20
638	CfB	638CfB	Chesterton	FSL	THICK	1	0	19	2	6
638	CfC	638CfC	Chesterton	FSL	THICK	1	0	19	2	6
638	CfD2	638CfD2	Chesterton	FSL	THICK	1	0	15	2	6
638	CgC	638CgC	Chesterton	FSL	THICK	1	0	19	2	6
638	CgC	638CgC	Urban Land	FRAG		1	0	19	2	6
638	ClD2	638ClD2	Cieneba	COSL		1	0	10	2	6
638	ClE2	638ClE2	Cieneba	COSL		1	0	10	2	6
638	ClG2	638ClG2	Cieneba	COSL		1	0	10	2	6
638	CmE2	638CmE2	Cieneba	COSL		1	0	8	2	6
638	CmE2	638CmE2	Rock Outcrop	UWB		1	0	8	2	6
638	CmrG	638CmrG	Cieneba	COSL		1	0	8	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
638	CmrG	638CmrG	Rock Outcrop	UWB		1	0	8	2	6
638	CnE2	638CnE2	Cieneba	COSL		1	0	6	2	6
638	CnE2	638CnE2	Cieneba	COSL		1	0	10	2	6
638	CnE2	638CnE2	Fallbrook	SL		1	0	6	2	6
638	CnE2	638CnE2	Fallbrook	SL		1	0	10	2	6
638	CnE2	638CnE2	Rock Outcrop	UWB		1	0	6	2	6
638	CnE2	638CnE2	Rock Outcrop	UWB		1	0	10	2	6
638	CnG2	638CnG2	Cieneba	COSL		1	0	6	2	6
638	CnG2	638CnG2	Cieneba	COSL		1	0	10	2	6
638	CnG2	638CnG2	Fallbrook	SL		1	0	6	2	6
638	CnG2	638CnG2	Fallbrook	SL		1	0	10	2	6
638	CnG2	638CnG2	Rock Outcrop			1	0	6	2	6
638	CnG2	638CnG2	Rock Outcrop			1	0	10	2	6
638	Cr	638Cr	Coastal Beaches	COS		1	0	6	6	20
638	Cr	638Cr	Coastal Beaches	COS		2	6	60	6	20
638	CsB	638CsB	Corralitos	LS		1	0	12	6	20
638	CsB	638CsB	Corralitos	LS		2	12	43	6	20
638	CsB	638CsB	Corralitos	LS		3	43	72	6	20
638	CsC	638CsC	Corralitos	LS		1	0	9	6	20
638	CsC	638CsC	Corralitos	LS		2	9	43	6	20
638	CsC	638CsC	Corralitos	LS		3	43	72	6	20
638	CsD	638CsD	Corralitos	LS		1	0	9	6	20
638	CsD	638CsD	Corralitos	LS		2	9	43	6	20
638	CsD	638CsD	Corralitos	LS		3	43	72	6	20
638	CtE	638CtE	Crouch	COSL		1	0	29	2	6
638	CtE	638CtE	Crouch	COSL		2	29	56	2	6
638	CtF	638CtF	Crouch	COSL		1	0	29	2	6
638	CtF	638CtF	Crouch	COSL		2	29	56	2	6
638	CuE	638CuE	Crouch	COSL		1	0	29	2	6
638	CuE	638CuE	Crouch	COSL		2	29	56	2	6
638	CuE	638CuE	Rock Outcrop			1	0	29	2	6
638	CuE	638CuE	Rock Outcrop			2	29	56	2	6
638	CuG	638CuG	Crouch	COSL		1	0	29	2	6
638	CuG	638CuG	Crouch	COSL		2	29	56	2	6
638	CuG	638CuG	Rock Outcrop	UWB		1	0	29	2	6
638	CuG	638CuG	Rock Outcrop	UWB		2	29	56	2	6
638	CvG	638CvG	Crouch	ST-FSL		1	0	29	2	6
638	CvG	638CvG	Crouch	ST-FSL		2	29	56	2	6
638	EdC	638EdC	Elder	GR-FSL		1	0	35	2	6
638	EdC	638EdC	Elder	GR-FSL		2	35	72	2	6
638	FaB	638FaB	Fallbrook	SL		1	0	6	2	6
638	FaC	638FaC	Fallbrook	SL		1	0	6	2	6
638	FaC2	638FaC2	Fallbrook	SL		1	0	6	2	6
638	FaD2	638FaD2	Fallbrook	SL		1	0	6	2	6
638	FaE2	638FaE2	Fallbrook	SL		1	0	2	2	6
638	FaE2	638FaE2	Fallbrook	SL		3	24	28	2	6
638	FaE3	638FaE3	Fallbrook	SL		1	0	2	2	6
638	FaE3	638FaE3	Fallbrook	SL		3	24	28	2	6
638	FeC	638FeC	Fallbrook	SL		1	0	6	2	6
638	FeC	638FeC	Fallbrook	SL		3	24	32	2	6
638	FeC	638FeC	Rock Outcrop	UWB		1	0	6	2	6
638	FeC	638FeC	Rock Outcrop	UWB		3	24	32	2	6
638	FeE	638FeE	Fallbrook	SL		1	0	6	2	6
638	FeE	638FeE	Fallbrook	SL		3	24	30	2	6
638	FeE	638FeE	Rock Outcrop	UWB		1	0	6	2	6
638	FeE	638FeE	Rock Outcrop	UWB		3	24	30	2	6
638	FeE2	638FeE2	Fallbrook	SL		1	0	4	2	6
638	FeE2	638FeE2	Fallbrook	SL		3	24	28	2	6
638	FeE2	638FeE2	Rock Outcrop	UWB		1	0	4	2	6
638	FeE2	638FeE2	Rock Outcrop	UWB		3	24	28	2	6
638	FvD	638FvD	Fallbrook	SL		1	0	19	2	6
638	FvD	638FvD	Fallbrook	SL		1	0	8	2	6
638	FvD	638FvD	Fallbrook	SL		2	19	35	2	6
638	FvD	638FvD	Vista	SL		1	0	19	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
638	FvD	638FvD	Vista	SL		1	0	8	2	6
638	FvD	638FvD	Vista	SL		2	19	35	2	6
638	FvE	638FvE	Fallbrook	SL		1	0	19	2	6
638	FvE	638FvE	Fallbrook	SL		1	0	6	2	6
638	FvE	638FvE	Fallbrook	SL		2	19	35	2	6
638	FvE	638FvE	Vista	SL		1	0	19	2	6
638	FvE	638FvE	Vista	SL		1	0	6	2	6
638	FvE	638FvE	Vista	SL		2	19	35	2	6
638	FwF	638FwF	Friant	FSL		1	0	3	2	6
638	FwF	638FwF	Friant	FSL		2	3	12	2	6
638	FxE	638FxE	Friant	FSL		1	0	3	2	6
638	FxE	638FxE	Friant	FSL		2	3	12	2	6
638	FxE	638FxE	Rock Outcrop	UWB		1	0	3	2	6
638	FxE	638FxE	Rock Outcrop	UWB		2	3	12	2	6
638	FxG	638FxG	Friant	FSL		1	0	3	2	6
638	FxG	638FxG	Friant	FSL		2	3	12	2	6
638	FxG	638FxG	Rock Outcrop	UWB		1	0	3	2	6
638	FxG	638FxG	Rock Outcrop	UWB		2	3	12	2	6
638	GaE	638GaE	Gaviota	FSL		1	0	16	2	6
638	GaF	638GaF	Gaviota	FSL		1	0	16	2	6
638	GoA	638GoA	Grangeville	FSL		1	0	11	2	6
638	GoA	638GoA	Grangeville	FSL		2	11	60	2	6
638	GrA	638GrA	Greenfield	SL		1	0	6	2	6
638	GrA	638GrA	Greenfield	SL		2	6	34	2	6
638	GrA	638GrA	Greenfield	SL		3	34	66	2	6
638	GrB	638GrB	Greenfield	SL		1	0	6	2	6
638	GrB	638GrB	Greenfield	SL		2	6	34	2	6
638	GrB	638GrB	Greenfield	SL		3	34	66	2	6
638	GrC	638GrC	Greenfield	SL		1	0	6	2	6
638	GrC	638GrC	Greenfield	SL		2	6	34	2	6
638	GrC	638GrC	Greenfield	SL		3	34	66	2	6
638	GrD	638GrD	Greenfield	SL		1	0	6	2	6
638	GrD	638GrD	Greenfield	SL		2	6	34	2	6
638	GrD	638GrD	Greenfield	SL		3	34	66	2	6
638	HmD	638HmD	Holland	SL		1	0	20	2	6
638	HmE	638HmE	Holland	SL		1	0	20	2	6
638	HnE	638HnE	Holland	ST-FSL		1	0	15	2	6
638	HnG	638HnG	Holland	ST-FSL		1	0	10	2	6
638	KcC	638KcC	Kitchen Creek	LCOS		1	0	21	6	20
638	KcC	638KcC	Kitchen Creek	LCOS		2	21	54	2	6
638	KcD2	638KcD2	Kitchen Creek	LCOS		1	0	21	6	20
638	KcD2	638KcD2	Kitchen Creek	LCOS		2	21	54	2	6
638	LaE2	638LaE2	La Posta	LCOS		1	0	10	6	20
638	LaE2	638LaE2	La Posta	LCOS		2	10	29	6	20
638	LaE3	638LaE3	La Posta	LCOS		1	0	8	6	20
638	LaE3	638LaE3	La Posta	LCOS		2	8	27	6	20
638	LcE	638LcE	La Posta	LCOS		1	0	10	6	20
638	LcE	638LcE	La Posta	LCOS		2	10	29	6	20
638	LcE	638LcE	Rock Outcrop	UWB		1	0	10	6	20
638	LcE	638LcE	Rock Outcrop	UWB		2	10	29	6	20
638	LcE2	638LcE2	La Posta	LCOS		1	0	8	6	20
638	LcE2	638LcE2	La Posta	LCOS		2	8	27	6	20
638	LcE2	638LcE2	Rock Outcrop	UWB		1	0	8	6	20
638	LcE2	638LcE2	Rock Outcrop	UWB		2	8	27	6	20
638	LcF2	638LcF2	La Posta	LCOS		1	0	6	6	20
638	LcF2	638LcF2	La Posta	LCOS		2	6	24	6	20
638	LcF2	638LcF2	Rock Outcrop	UWB		1	0	6	6	20
638	LcF2	638LcF2	Rock Outcrop	UWB		2	6	24	6	20
638	LdE	638LdE	La Posta	LCOS		1	0	8	2	6
638	LdE	638LdE	La Posta	LCOS		1	0	10	6	20
638	LdE	638LdE	La Posta	LCOS		2	10	29	6	20
638	LdE	638LdE	Sheephead	CB-FSL		1	0	8	2	6
638	LdE	638LdE	Sheephead	CB-FSL		1	0	10	6	20
638	LdE	638LdE	Sheephead	CB-FSL		2	10	29	6	20

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
638	LdG	638LdG	La Posta	LCOS		1	0	8	2	6
638	LdG	638LdG	La Posta	LCOS		1	0	10	6	20
638	LdG	638LdG	La Posta	LCOS		2	10	29	6	20
638	LdG	638LdG	Sheephead	CB-FSL		1	0	8	2	6
638	LdG	638LdG	Sheephead	CB-FSL		1	0	10	6	20
638	LdG	638LdG	Sheephead	CB-FSL		2	10	29	6	20
638	LeC	638LeC	Las Flores	LFS		1	0	20	2	6
638	LeC	638LeC	Las Flores	LFS		4	40	48	6	20
638	LeC2	638LeC2	Las Flores	LFS		1	0	14	2	6
638	LeC2	638LeC2	Las Flores	LFS		4	38	48	6	20
638	LeD	638LeD	Las Flores	LFS		1	0	16	2	6
638	LeD	638LeD	Las Flores	LFS		4	38	48	6	20
638	LeD2	638LeD2	Las Flores	LFS		1	0	14	2	6
638	LeD2	638LeD2	Las Flores	LFS		4	38	48	6	20
638	LeE	638LeE	Las Flores	LFS		1	0	16	2	6
638	LeE	638LeE	Las Flores	LFS		4	38	48	6	20
638	LeE2	638LeE2	Las Flores	LFS		1	0	14	2	6
638	LeE2	638LeE2	Las Flores	LFS		4	38	48	6	20
638	LeE3	638LeE3	Las Flores	LFS		1	0	14	2	6
638	LeE3	638LeE3	Las Flores	LFS		4	38	48	6	20
638	LfC	638LfC	Las Flores	LFS		1	0	14	2	6
638	LfC	638LfC	Las Flores	LFS		4	38	48	6	20
638	LfC	638LfC	Urban Land	VAR		1	0	14	2	6
638	LfC	638LfC	Urban Land	VAR		4	38	48	6	20
638	LfE	638LfE	Las Flores	LFS		1	0	14	2	6
638	LfE	638LfE	Las Flores	LFS		4	38	48	6	20
638	LfE	638LfE	Urban Land	VAR		1	0	14	2	6
638	LfE	638LfE	Urban Land	VAR		4	38	48	6	20
638	MlC	638MlC	Marina	LCOS		1	0	10	6	20
638	MlC	638MlC	Marina	LCOS		3	57	60	6	20
638	MlE	638MlE	Marina	LCOS		1	0	10	6	20
638	MlE	638MlE	Marina	LCOS		3	57	60	6	20
638	MnA	638MnA	Mecca	COSL		1	0	10	2	6
638	MnA	638MnA	Mecca	COSL		2	10	62	2	6
638	MnB	638MnB	Mecca	COSL		1	0	10	2	6
638	MnB	638MnB	Mecca	COSL		2	10	62	2	6
638	MoA	638MoA	Mecca	SL		1	0	10	2	6
638	MoA	638MoA	Mecca	SL		2	10	62	2	6
638	MpA2	638MpA2	Mecca	FSL		1	0	10	2	6
638	MpA2	638MpA2	Mecca	FSL		2	10	62	2	6
638	MvA	638MvA	Mottsville	LCOS		1	0	6	6	20
638	MvA	638MvA	Mottsville	LCOS		2	6	60	6	20
638	MvC	638MvC	Mottsville	LCOS		1	0	6	6	20
638	MvC	638MvC	Mottsville	LCOS		2	6	60	6	20
638	MvD	638MvD	Mottsville	LCOS		1	0	6	6	20
638	MvD	638MvD	Mottsville	LCOS		2	6	60	6	20
638	MxA	638MxA	Mottsville	LCOS		1	0	6	6	20
638	MxA	638MxA	Mottsville	LCOS		2	6	60	6	20
638	RkA	638RkA	Reiff	FSL		1	0	14	2	6
638	RkA	638RkA	Reiff	FSL		2	14	43	2	6
638	RkA	638RkA	Reiff	FSL		3	43	60	2	6
638	RkB	638RkB	Reiff	FSL		1	0	14	2	6
638	RkB	638RkB	Reiff	FSL		2	14	43	2	6
638	RkB	638RkB	Reiff	FSL		3	43	60	2	6
638	RkC	638RkC	Reiff	FSL		1	0	14	2	6
638	RkC	638RkC	Reiff	FSL		2	14	43	2	6
638	RkC	638RkC	Reiff	FSL		3	43	60	2	6
638	Rm	638Rm	Riverwash	GR-COS		1	0	6	6	20
638	Rm	638Rm	Riverwash	GR-COS		2	6	60	6	20
638	RoA	638RoA	Rositas	FS		1	0	5	6	20
638	RoA	638RoA	Rositas	FS		2	5	60	6	20
638	RrC	638RrC	Rositas	FS		1	0	5	6	20
638	RrC	638RrC	Rositas	FS		2	5	60	6	20
638	RsA	638RsA	Rositas	LCOS		1	0	5	6	20

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
638	RsA	638RsA	Rositas	LCOS		2	5	60	6	20
638	RsC	638RsC	Rositas	LCOS		1	0	5	6	20
638	RsC	638RsC	Rositas	LCOS		2	5	60	6	20
638	RsD	638RsD	Rositas	LCOS		1	0	5	6	20
638	RsD	638RsD	Rositas	LCOS		2	5	60	6	20
638	SpE2	638SpE2	Rock Outcrop	UWB		1	0	8	2	6
638	SpE2	638SpE2	Sheephead	FSL		1	0	8	2	6
638	SpG2	638SpG2	Rock Outcrop	UWB		1	0	8	2	6
638	SpG2	638SpG2	Sheephead	FSL		1	0	8	2	6
638	SsE	638SsE	Soboba	ST-LS		1	0	12	20	20
638	SsE	638SsE	Soboba	ST-LS		2	12	60	20	20
638	ToE2	638ToE2	Rock Outcrop			1	0	16	2	6
638	ToE2	638ToE2	Tollhouse	GR-COSL		1	0	16	2	6
638	ToG	638ToG	Rock Outcrop	UWB		1	0	16	2	6
638	ToG	638ToG	Tollhouse	GR-COSL		1	0	16	2	6
638	TuB	638TuB	Tujunga	S		1	0	14	6	20
638	TuB	638TuB	Tujunga	S		2	14	34	6	20
638	TuB	638TuB	Tujunga	S		3	34	60	6	20
638	VaA	638VaA	Visalia	SL		1	0	12	2	6
638	VaA	638VaA	Visalia	SL		2	12	40	2	6
638	VaA	638VaA	Visalia	SL		3	40	60	2	6
638	VaB	638VaB	Visalia	SL		1	0	12	2	6
638	VaB	638VaB	Visalia	SL		2	12	40	2	6
638	VaB	638VaB	Visalia	SL		3	40	60	2	6
638	VaC	638VaC	Visalia	SL		1	0	12	2	6
638	VaC	638VaC	Visalia	SL		2	12	40	2	6
638	VaC	638VaC	Visalia	SL		3	40	60	2	6
638	VaD	638VaD	Visalia	SL		1	0	12	2	6
638	VaD	638VaD	Visalia	SL		2	12	40	2	6
638	VaD	638VaD	Visalia	SL		3	40	60	2	6
638	VbB	638VbB	Visalia	GR-SL		1	0	12	2	6
638	VbB	638VbB	Visalia	GR-SL		2	12	40	2	6
638	VbB	638VbB	Visalia	GR-SL		3	40	60	2	6
638	VbC	638VbC	Visalia	GR-SL		1	0	12	2	6
638	VbC	638VbC	Visalia	GR-SL		2	12	40	2	6
638	VbC	638VbC	Visalia	GR-SL		3	40	60	2	6
638	VsC	638VsC	Vista	COSL		1	0	19	2	6
638	VsC	638VsC	Vista	COSL		2	19	35	2	6
638	VsD	638VsD	Vista	COSL		1	0	19	2	6
638	VsD	638VsD	Vista	COSL		2	19	35	2	6
638	VsD2	638VsD2	Vista	COSL		1	0	15	2	6
638	VsD2	638VsD2	Vista	COSL		2	15	30	2	6
638	VsE	638VsE	Vista	COSL		1	0	15	2	6
638	VsE	638VsE	Vista	COSL		2	15	30	2	6
638	VsE2	638VsE2	Vista	COSL		1	0	15	2	6
638	VsE2	638VsE2	Vista	COSL		2	15	30	2	6
638	VsG	638VsG	Vista	COSL		1	0	15	2	6
638	VsG	638VsG	Vista	COSL		2	15	30	2	6
638	VvD	638VvD	Rock Outcrop	UWB		1	0	13	2	6
638	VvD	638VvD	Rock Outcrop	UWB		2	13	27	2	6
638	VvD	638VvD	Vista	COSL		1	0	13	2	6
638	VvD	638VvD	Vista	COSL		2	13	27	2	6
638	VvE	638VvE	Rock Outcrop	UWB		1	0	13	2	6
638	VvE	638VvE	Rock Outcrop	UWB		2	13	27	2	6
638	VvE	638VvE	Vista	COSL		1	0	13	2	6
638	VvE	638VvE	Vista	COSL		2	13	27	2	6
638	VvG	638VvG	Rock Outcrop	UWB		1	0	13	2	6
638	VvG	638VvG	Rock Outcrop	UWB		2	13	25	2	6
638	VvG	638VvG	Vista	COSL		1	0	13	2	6
638	VvG	638VvG	Vista	COSL		2	13	25	2	6
644	AnA	644AnA	Anderson	GR-SL		1	0	14	2	6
644	AnA	644AnA	Anderson	GR-SL		2	14	24	2	6
644	AnA	644AnA	Anderson	GR-SL		3	24	60	2	6
644	AnB	644AnB	Anderson	GR-SL		1	0	14	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
644	AnB	644AnB	Anderson	GR-SL		2	14	23	2	6
644	AnB	644AnB	Anderson	GR-SL		3	23	60	2	6
644	AoA	644AoA	Anderson	GR-FSL		1	0	14	2	6
644	AoA	644AoA	Anderson	GR-FSL		2	14	23	2	6
644	AoA	644AoA	Anderson	GR-FSL		3	23	60	2	6
644	CbA	644CbA	Chualar	SL	THICK	1	0	24	2	6
644	CbA	644CbA	Chualar	SL	THICK	3	58	72	2	6
644	CcA	644CcA	Columbia	FSL		1	0	13	2	6
644	CcA	644CcA	Columbia	FSL		2	13	60	2	6
644	CdA	644CdA	Columbia	FSL		2	13	60	2	6
644	CeA	644CeA	Columbia	L		2	13	60	2	6
644	CfA	644CfA	Columbia	SIL		2	13	60	2	6
644	CgA	644CgA	Columbia	SIL		2	13	60	2	6
644	ChA	644ChA	Columbia	SIL	THICK	2	13	36	2	6
644	CkA	644CkA	Columbia	SIL		2	13	36	2	6
644	CmA	644CmA	Columbia	SIL		2	13	36	2	6
644	CoA	644CoA	Columbia	CL		2	16	60	2	6
644	CpA	644CpA	Columbia	L		1	0	13	6	20
644	CpA	644CpA	Columbia	LS		1	0	13	6	20
644	CpA	644CpA	Columbia	L		2	13	60	2	6
644	CpA	644CpA	Columbia	L		2	13	60	2	6
644	CpA	644CpA	Columbia	LS		2	13	60	2	6
644	CpA	644CpA	Columbia	LS		2	13	60	2	6
644	CsB	644CsB	Columbia	L		1	0	13	6	20
644	CsB	644CsB	Columbia	LS		1	0	13	6	20
644	CsB	644CsB	Columbia	L		2	13	60	2	6
644	CsB	644CsB	Columbia	L		2	13	60	2	6
644	CsB	644CsB	Columbia	LS		2	13	60	2	6
644	CsB	644CsB	Columbia	LS		2	13	60	2	6
644	DeA	644DeA	Delhi	LS		1	0	10	6	20
644	DeA	644DeA	Delhi	LS		2	10	60	6	20
644	DeB	644DeB	Delhi	LS		1	0	10	6	20
644	DeB	644DeB	Delhi	LS		2	10	60	6	20
644	DfA	644DfA	Delhi	LS		1	0	10	6	20
644	DfA	644DfA	Delhi	LS		2	10	40	6	20
644	DgA	644DgA	Delhi	LS		1	0	10	6	20
644	DgA	644DgA	Delhi	LS		2	10	40	6	20
644	DgA	644DgA	Delhi	LS		3	40	60	2	6
644	DhA	644DhA	Delhi	S		1	0	10	6	20
644	DhA	644DhA	Delhi	S		2	10	60	6	20
644	DhB	644DhB	Delhi	S		1	0	10	6	20
644	DhB	644DhB	Delhi	S		2	10	60	6	20
644	DkA	644DkA	Dello	LS		1	0	10	6	20
644	DkA	644DkA	Dello	LS		2	10	60	6	20
644	Dl	644Dl	Dredge And Mine Tail	FRAG		1	0	60	6	20
644	DmA	644DmA	Dinuba	FSL		1	0	10	2	6
644	DmA	644DmA	Dinuba	FSL		2	10	28	2	6
644	DnA	644DnA	Dinuba	FSL		1	0	10	2	6
644	DnA	644DnA	Dinuba	FSL		2	10	19	2	6
644	DoA	644DoA	Dinuba	FSL		1	0	10	2	6
644	DoA	644DoA	Dinuba	FSL		2	10	40	2	6
644	DrA	644DrA	Dinuba	SL		1	0	10	2	6
644	DrA	644DrA	Dinuba	SL		2	10	30	2	6
644	DsA	644DsA	Dinuba	SL		1	0	10	2	6
644	DsA	644DsA	Dinuba	SL		2	10	19	2	6
644	DtA	644DtA	Dinuba	SL		1	0	10	2	6
644	DtA	644DtA	Dinuba	SL		2	10	40	2	6
644	DyA	644DyA	Dinuba	SL		1	0	10	2	6
644	DyA	644DyA	Dinuba	SL		2	10	19	2	6
644	GfA	644GfA	Grangeville	FSL		2	7	40	2	6
644	GfA	644GfA	Grangeville	FSL		3	40	60	2	6
644	GgA	644GgA	Grangeville	FSL		1	0	7	2	6
644	GgA	644GgA	Grangeville	FSL		2	7	40	2	6
644	GgA	644GgA	Grangeville	FSL		3	40	60	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
644	GhA	644GhA	Grangeville	SL		1	0	7	2	6
644	GhA	644GhA	Grangeville	SL		2	7	40	2	6
644	GhA	644GhA	Grangeville	SL		3	40	60	2	6
644	GkA	644GkA	Grangeville	SL		1	0	7	2	6
644	GmA	644GmA	Grangeville	VFSL		1	0	7	2	6
644	GmA	644GmA	Grangeville	VFSL		2	7	40	2	6
644	GmA	644GmA	Grangeville	VFSL		3	40	60	2	6
644	GrA	644GrA	Greenfield	FSL		1	0	21	2	6
644	GrA	644GrA	Greenfield	FSL		2	21	42	2	6
644	GrA	644GrA	Greenfield	FSL		3	42	60	2	6
644	GsA	644GsA	Greenfield	SL		1	0	21	2	6
644	GsA	644GsA	Greenfield	SL		2	21	42	2	6
644	GsA	644GsA	Greenfield	SL		3	42	60	2	6
644	GsB	644GsB	Greenfield	SL		1	0	21	2	6
644	GsB	644GsB	Greenfield	SL		2	21	42	2	6
644	GsB	644GsB	Greenfield	SL		3	42	60	2	6
644	GvA	644GvA	Greenfield	SL	THICK	1	0	21	2	6
644	GvA	644GvA	Greenfield	SL	THICK	2	21	40	2	6
644	HbA	644HbA	Hanford	FSL		1	0	12	2	6
644	HbA	644HbA	Hanford	FSL		2	12	60	2	6
644	HbmA	644HbmA	Hanford	FSL		1	0	12	2	6
644	HbmA	644HbmA	Hanford	FSL		2	12	36	2	6
644	HbmA	644HbmA	Hanford	FSL		3	36	60	6	20
644	HbpA	644HbpA	Hanford	FSL		1	0	12	2	6
644	HbpA	644HbpA	Hanford	FSL		2	12	36	2	6
644	HbsA	644HbsA	Hanford	FSL		1	0	12	2	6
644	HbsA	644HbsA	Hanford	FSL		2	12	48	2	6
644	HcA	644HcA	Hanford	GR-SL		1	0	12	2	6
644	HcA	644HcA	Hanford	GR-SL		2	12	60	2	6
644	HdA	644HdA	Hanford	SL		1	0	12	2	6
644	HdA	644HdA	Hanford	SL		2	12	60	2	6
644	HdB	644HdB	Hanford	SL		1	0	12	2	6
644	HdB	644HdB	Hanford	SL		2	12	60	2	6
644	HdC	644HdC	Hanford	SL		1	0	12	2	6
644	HdC	644HdC	Hanford	SL		2	12	60	2	6
644	HddA	644HddA	Hanford Variant	SL		1	0	21	2	6
644	HddA	644HddA	Hanford Variant	SL		2	21	60	2	6
644	HdmA	644HdmA	Hanford	SL		1	0	12	2	6
644	HdmA	644HdmA	Hanford	SL		2	12	36	2	6
644	HdmA	644HdmA	Hanford	SL		3	36	60	6	20
644	HdpA	644HdpA	Hanford	SL		1	0	12	2	6
644	HdpA	644HdpA	Hanford	SL		2	12	36	2	6
644	HdsA	644HdsA	Hanford	SL		1	0	12	2	6
644	HdsA	644HdsA	Hanford	SL		2	12	48	2	6
644	HeA	644HeA	Hanford	FSL		1	0	12	2	6
644	HeA	644HeA	Hanford	FSL		2	12	60	2	6
644	HfA	644HfA	Hilmar	LS		1	0	7	6	20
644	HfA	644HfA	Hilmar	LS		2	7	21	6	20
644	HfA	644HfA	Hilmar	LS		3	21	29	6	20
644	HfdA	644HfdA	Hilmar	LS		1	0	7	6	20
644	HfdA	644HfdA	Hilmar	LS		2	7	21	6	20
644	HfdA	644HfdA	Hilmar	LS		3	21	45	6	20
644	HfeA	644HfeA	Hilmar Variant	LS		1	0	7	6	20
644	HfeA	644HfeA	Hilmar Variant	LS		2	7	21	6	20
644	HfeA	644HfeA	Hilmar Variant	LS		3	21	29	6	20
644	HkaA	644HkaA	Hilmar	LS		1	0	7	6	20
644	HkaA	644HkaA	Hilmar	LS		2	7	21	6	20
644	HkaA	644HkaA	Hilmar	LS		3	21	23	6	20
644	HkbA	644HkbA	Hilmar	LS		1	0	7	6	20
644	HkbA	644HkbA	Hilmar	LS		2	7	21	6	20
644	HkbA	644HkbA	Hilmar	LS		3	21	29	6	20
644	HmA	644HmA	Hilmar	S		1	0	7	6	20
644	HmA	644HmA	Hilmar	S		2	7	21	6	20
644	HmA	644HmA	Hilmar	S		3	21	29	6	20

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
644	HoA	644HoA	Honcut	FSL		1	0	10	2	6
644	HoA	644HoA	Honcut	FSL		2	10	60	2	6
644	HpA	644HpA	Honcut	L		1	0	10	2	6
644	HpA	644HpA	Honcut	L		2	10	60	2	6
644	HrA	644HrA	Honcut	SL		1	0	10	2	6
644	HrA	644HrA	Honcut	SL		2	10	60	2	6
644	HvB	644HvB	Hornitos	FSL		1	0	7	2	6
644	HvD	644HvD	Hornitos	FSL		1	0	7	2	6
644	HyB	644HyB	Hornitos	GR-FSL		1	0	7	2	6
644	HyD	644HyD	Hornitos	GR-FSL		1	0	7	2	6
644	MdA	644MdA	Madera	SL	THICK	1	0	9	2	6
644	MdA	644MdA	Madera	SL	THICK	2	9	19	2	6
644	MdB	644MdB	Madera	SL	THICK	1	0	9	2	6
644	MeA	644MeA	Alamo	C	THICK	1	0	9	2	6
644	MeA	644MeA	Madera	SL	THICK	1	0	9	2	6
644	MtA	644MtA	Montpellier	COSL		1	0	18	2	6
644	MtB	644MtB	Montpellier	COSL		1	0	18	2	6
644	MtC	644MtC	Montpellier	COSL		1	0	18	2	6
644	MtC2	644MtC2	Montpellier	COSL		1	0	10	2	6
644	MtD2	644MtD2	Montpellier	COSL		1	0	10	2	6
644	MtD3	644MtD3	Montpellier	COSL		1	0	5	2	6
644	MvA	644MvA	Montpellier Variant	SL		1	0	18	2	6
644	OaA	644OaA	Oakdale	SL		1	0	25	2	6
644	OaA	644OaA	Oakdale	SL		2	25	45	2	6
644	OaA	644OaA	Oakdale	SL		3	45	60	2	6
644	PcB	644PcB	Pentz	STV-L		1	0	4	2	6
644	PcD	644PcD	Pentz	STV-L		1	0	4	2	6
644	PeB	644PeB	Pentz	GR-L		1	0	8	2	6
644	PeD	644PeD	Pentz	GR-L		1	0	8	2	6
644	PeF	644PeF	Pentz	GR-L		1	0	8	2	6
644	PfB	644PfB	Pentz	L		1	0	8	2	6
644	PfD	644PfD	Pentz	L		1	0	8	2	6
644	PfE	644PfE	Pentz	L		1	0	8	2	6
644	PmB	644PmB	Pentz	L		1	0	24	2	6
644	PmC	644PmC	Pentz	L		1	0	24	2	6
644	PmC2	644PmC2	Pentz	L		1	0	20	2	6
644	PmD	644PmD	Pentz	L		1	0	24	2	6
644	PmD2	644PmD2	Pentz	L		1	0	20	2	6
644	PoB	644PoB	Pentz	SL		1	0	15	2	6
644	PpB	644PpB	Pentz	GR-L		1	0	8	2	6
644	PpB	644PpB	Redding	GR-L	THICK	1	0	8	2	6
644	PxB	644PxB	Pentz	GR-L		1	0	8	2	6
644	PxB	644PxB	Peters	C		1	0	8	2	6
644	PxC	644PxC	Pentz	GR-L		1	0	8	2	6
644	PxC	644PxC	Peters	C		1	0	8	2	6
644	Rr	644Rr	Riverwash	GR-S		1	0	10	6	20
644	Rr	644Rr	Riverwash	GR-S		2	10	60	6	20
644	SmA	644SmA	Madera	SL	THICK	1	0	9	2	6
644	SmA	644SmA	Madera	SL	THICK	2	9	19	2	6
644	SmA	644SmA	San Joaquin	SL	THICK	1	0	9	2	6
644	SmA	644SmA	San Joaquin	SL	THICK	2	9	19	2	6
644	SwA	644SwA	Snelling Variant	SL		1	0	19	2	6
644	TuA	644TuA	Tujunga	LS		1	0	10	6	20
644	TuA	644TuA	Tujunga	LS		2	10	60	6	20
644	TuB	644TuB	Tujunga	LS		1	0	10	6	20
644	TuB	644TuB	Tujunga	LS		2	10	60	6	20
644	TvA	644TvA	Tujunga	S		1	0	10	6	20
644	TvA	644TvA	Tujunga	S		2	10	60	6	20
644	WmB	644WmB	Whitney	SL		1	0	7	2	6
644	WmC	644WmC	Whitney	SL		1	0	7	2	6
644	WmC2	644WmC2	Whitney	SL		1	0	7	2	6
644	WmD	644WmD	Whitney	SL		1	0	7	2	6
644	WmD2	644WmD2	Whitney	SL		1	0	4	2	6
644	WmE2	644WmE2	Whitney	SL		1	0	4	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
644	WrA	644WrA	Rocklin	SL	THICK	1	0	7	2	6
644	WrA	644WrA	Whitney	SL		1	0	7	2	6
644	WrB	644WrB	Rocklin	SL	THICK	1	0	7	2	6
644	WrB	644WrB	Whitney	SL		1	0	7	2	6
644	WrC	644WrC	Rocklin	SL	THICK	1	0	7	2	6
644	WrC	644WrC	Whitney	SL		1	0	7	2	6
644	WyA	644WyA	Wyman	L		3	40	60	6	20
645	Ay	645Ay	Arbuckle	GR-L		1	0	6	6	20
645	Ay	645Ay	Arbuckle	GR-L		2	6	60	6	20
645	Ay	645Ay	Riverwash	GRX-S		1	0	6	6	20
645	Ay	645Ay	Riverwash	GRX-S		2	6	60	6	20
645	CkF	645CkF	Colluvial Land	FRAG		1	0	60	20	20
645	ClF	645ClF	Colluvial Land	FRAG		1	0	60	20	20
645	CmA	645CmA	Columbia	FSL		1	0	26	2	6
645	CmA	645CmA	Columbia	FSL		2	26	60	2	6
645	CmB	645CmB	Columbia	FSL		1	0	26	2	6
645	CmB	645CmB	Columbia	FSL		2	26	60	2	6
645	Cn	645Cn	Columbia	FSL		1	0	26	2	6
645	Cn	645Cn	Columbia	FSL		2	26	36	2	6
645	Cn	645Cn	Columbia	FSL		3	36	72	6	20
645	CpB	645CpB	Columbia	LFS		1	0	12	6	20
645	CpB	645CpB	Columbia	LFS		2	12	60	6	20
645	Ct	645Ct	Columbia	SIL		2	26	36	2	6
645	Ct	645Ct	Columbia	SIL		3	36	72	6	20
645	Cu	645Cu	Columbia	FSL		1	0	6	6	20
645	Cu	645Cu	Columbia	FSL		1	0	26	2	6
645	Cu	645Cu	Columbia	SIL		1	0	6	6	20
645	Cu	645Cu	Columbia	SIL		1	0	26	2	6
645	Cu	645Cu	Columbia	FSL		2	6	60	6	20
645	Cu	645Cu	Columbia	FSL		2	26	36	2	6
645	Cu	645Cu	Columbia	FSL		2	26	60	2	6
645	Cu	645Cu	Columbia	SIL		2	6	60	6	20
645	Cu	645Cu	Columbia	SIL		2	26	36	2	6
645	Cu	645Cu	Columbia	SIL		2	26	60	2	6
645	Cu	645Cu	Riverwash	GRX-S		1	0	6	6	20
645	Cu	645Cu	Riverwash	GRX-S		1	0	26	2	6
645	Cu	645Cu	Riverwash	GRX-S		2	6	60	6	20
645	Cu	645Cu	Riverwash	GRX-S		2	26	36	2	6
645	Cu	645Cu	Riverwash	GRX-S		2	26	60	2	6
645	CvD	645CvD	Cone	GRX-SL		1	0	3	6	20
645	CvD	645CvD	Cone	GRX-SL		2	3	70	6	20
645	CvE	645CvE	Cone	GRX-SL		1	0	3	6	20
645	CvE	645CvE	Cone	GRX-SL		2	3	70	6	20
645	Cz	645Cz	Cortina	GR-SL		1	0	3	2	6
645	Cz	645Cz	Cortina	GR-SL		2	3	72	2	6
645	Czm	645Czm	Cortina	GR-SL		1	0	3	2	6
645	Czm	645Czm	Cortina	GR-SL		2	3	30	2	6
645	Czm	645Czm	Cortina	GR-SL		3	30	72	6	20
645	Czs	645Czs	Cortina	GRV-SL		1	0	3	2	6
645	Czs	645Czs	Cortina	GRV-SL		2	3	72	2	6
645	Czx	645Czx	Cortina	GR-SL		1	0	3	2	6
645	Czx	645Czx	Cortina	GR-SL		1	0	3	2	6
645	Czx	645Czx	Cortina	GRV-SL		1	0	3	2	6
645	Czx	645Czx	Cortina	GRV-SL		1	0	3	2	6
645	Czx	645Czx	Cortina	GR-SL		2	3	30	2	6
645	Czx	645Czx	Cortina	GR-SL		2	3	72	2	6
645	Czx	645Czx	Cortina	GRV-SL		2	3	30	2	6
645	Czx	645Czx	Cortina	GRV-SL		2	3	72	2	6
645	Czx	645Czx	Cortina	GR-SL		3	30	72	6	20
645	Czx	645Czx	Cortina	GRV-SL		3	30	72	6	20
645	EgB	645EgB	Elam	GRV-LS		1	0	5	6	20
645	EgB	645EgB	Elam	GRV-LS		2	5	60	6	20
645	EmB	645EmB	Elam	GRV-LS	THIN	1	0	5	6	20
645	EmB	645EmB	Elam	GRV-LS	THIN	2	5	40	6	20

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
645	EmB	645EmB	Elam	GRV-LS	THIN	4	45	60	6	20
645	Ew	645Ew	Elam Variant	GRV-LS		1	0	5	6	20
645	Ew	645Ew	Elam Variant	GRV-LS		2	5	60	6	20
645	FoD	645FoD	Forward	SL		1	0	7	2	6
645	FoD	645FoD	Forward	SL		2	7	24	2	6
645	IkD	645IkD	Inskip	GRV-SIL		1	0	10	2	6
645	IkD	645IkD	Inskip	GRV-SIL		2	10	26	2	6
645	IkD	645IkD	Rock Outcrop			1	0	10	2	6
645	IkD	645IkD	Rock Outcrop			2	10	26	2	6
645	IkE	645IkE	Inskip	GRV-SIL		1	0	10	2	6
645	IkE	645IkE	Inskip	GRV-SIL		2	10	26	2	6
645	IkE	645IkE	Rock Outcrop	UWB		1	0	10	2	6
645	IkE	645IkE	Rock Outcrop	UWB		2	10	26	2	6
645	ImD	645ImD	Inskip	GRV-SIL		1	0	10	2	6
645	ImD	645ImD	Inskip	GRV-SIL		2	10	33	2	6
645	ImD	645ImD	Rock Outcrop	UWB		1	0	10	2	6
645	ImD	645ImD	Rock Outcrop	UWB		2	10	33	2	6
645	ImE	645ImE	Inskip	GRV-SIL		1	0	10	2	6
645	ImE	645ImE	Inskip	GRV-SIL		2	10	33	2	6
645	ImE	645ImE	Rock Outcrop	UWB		1	0	10	2	6
645	ImE	645ImE	Rock Outcrop	UWB		2	10	33	2	6
645	IrD	645IrD	Iron Mountain	SL		1	0	9	2	6
645	IrD	645IrD	Rock Outcrop	UWB		1	0	9	2	6
645	IrE	645IrE	Iron Mountain	SL		1	0	9	2	6
645	IrE	645IrE	Rock Outcrop	UWB		1	0	9	2	6
645	IrF	645IrF	Iron Mountain	SL		1	0	9	2	6
645	IrF	645IrF	Rock Outcrop	UWB		1	0	9	2	6
645	IsE	645IsE	Iron Mountain	ST-L		1	0	9	2	6
645	IxE	645IxE	Iron Mountain	SL		1	0	9	2	6
645	IxE	645IxE	Rock Outcrop	UWB		1	0	9	2	6
645	IxE	645IxE	Supan	ST-L		1	0	9	2	6
645	JgD	645JgD	Jiggs	ST-SL		1	0	6	2	6
645	JgD	645JgD	Jiggs	ST-SL		2	6	20	2	6
645	JgD2	645JgD2	Jiggs	ST-SL		1	0	6	2	6
645	JgD2	645JgD2	Jiggs	ST-SL		2	6	20	2	6
645	JgE	645JgE	Jiggs	ST-SL		1	0	6	2	6
645	JgE	645JgE	Jiggs	ST-SL		2	6	20	2	6
645	JgE2	645JgE2	Jiggs	ST-SL		1	0	6	2	6
645	JgE2	645JgE2	Jiggs	ST-SL		2	6	20	2	6
645	JgF	645JgF	Jiggs	ST-SL		1	0	6	2	6
645	JgF	645JgF	Jiggs	ST-SL		2	6	20	2	6
645	JgF2	645JgF2	Jiggs	ST-SL		1	0	6	2	6
645	JgF2	645JgF2	Jiggs	ST-SL		2	6	20	2	6
645	LaB	645LaB	Laniger	FSL		1	0	9	2	6
645	LaB	645LaB	Laniger	FSL		2	9	34	2	6
645	LaD	645LaD	Laniger	FSL		1	0	9	2	6
645	LaD	645LaD	Laniger	FSL		2	9	34	2	6
645	LaE	645LaE	Laniger	FSL		1	0	9	2	6
645	LaE	645LaE	Laniger	FSL		2	9	34	2	6
645	LbB	645LbB	Laniger	FSL		1	0	9	2	6
645	LbB	645LbB	Laniger	FSL		2	9	40	2	6
645	LsD	645LsD	Cohasset	L		1	0	12	2	6
645	LsD	645LsD	Lyonsville	GR-SL		1	0	12	2	6
645	LtD	645LtD	Cohasset Stony	ST-L		1	0	12	2	6
645	LtD	645LtD	Lyonsville	ST-SL		1	0	12	2	6
645	LvD	645LvD	Jiggs	GR-SL		1	0	6	2	6
645	LvD	645LvD	Jiggs	GR-SL		1	0	12	2	6
645	LvD	645LvD	Jiggs	GR-SL		2	6	20	2	6
645	LvD	645LvD	Lyonsville	GR-SL		1	0	6	2	6
645	LvD	645LvD	Lyonsville	GR-SL		1	0	12	2	6
645	LvD	645LvD	Lyonsville	GR-SL		2	6	20	2	6
645	LvE	645LvE	Jiggs	GR-SL		1	0	6	2	6
645	LvE	645LvE	Jiggs	GR-SL		1	0	12	2	6
645	LvE	645LvE	Jiggs	GR-SL		2	6	20	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
645	LvE	645LvE	Lyonsville	GR-SL		1	0	6	2	6
645	LvE	645LvE	Lyonsville	GR-SL		1	0	12	2	6
645	LvE	645LvE	Lyonsville	GR-SL		2	6	20	2	6
645	LvF	645LvF	Jiggs	GR-SL		1	0	6	2	6
645	LvF	645LvF	Jiggs	GR-SL		1	0	12	2	6
645	LvF	645LvF	Jiggs	GR-SL		2	6	20	2	6
645	LvF	645LvF	Lyonsville	GR-SL		1	0	6	2	6
645	LvF	645LvF	Lyonsville	GR-SL		1	0	12	2	6
645	LvF	645LvF	Lyonsville	GR-SL		2	6	20	2	6
645	LyD	645LyD	Jiggs	ST-SL		1	0	6	2	6
645	LyD	645LyD	Jiggs	ST-SL		1	0	12	2	6
645	LyD	645LyD	Jiggs	ST-SL		2	6	20	2	6
645	LyD	645LyD	Lyonsville	ST-SL		1	0	6	2	6
645	LyD	645LyD	Lyonsville	ST-SL		1	0	12	2	6
645	LyD	645LyD	Lyonsville	ST-SL		2	6	20	2	6
645	LyE	645LyE	Jiggs	ST-SL		1	0	6	2	6
645	LyE	645LyE	Jiggs	ST-SL		1	0	12	2	6
645	LyE	645LyE	Jiggs	ST-SL		2	6	20	2	6
645	LyE	645LyE	Lyonsville	ST-SL		1	0	6	2	6
645	LyE	645LyE	Lyonsville	ST-SL		1	0	12	2	6
645	LyE	645LyE	Lyonsville	ST-SL		2	6	20	2	6
645	LyF	645LyF	Jiggs	ST-SL		1	0	6	2	6
645	LyF	645LyF	Jiggs	ST-SL		1	0	12	2	6
645	LyF	645LyF	Jiggs	ST-SL		2	6	20	2	6
645	LyF	645LyF	Lyonsville	ST-SL		1	0	6	2	6
645	LyF	645LyF	Lyonsville	ST-SL		1	0	12	2	6
645	LyF	645LyF	Lyonsville	ST-SL		2	6	20	2	6
645	MaD	645MaD	Manton	SL		1	0	22	2	6
645	MaD	645MaD	Manton	SL		2	22	36	2	6
645	MaD	645MaD	Manton	SL		3	36	56	2	6
645	MbD	645MbD	Masterson	GR-L		1	0	19	2	6
645	MbD	645MbD	Masterson	GR-L		2	19	37	2	6
645	Md	645Md	Maywood	FSL		3	30	60	20	20
645	MkD	645MkD	McCarthy	SL		1	0	16	2	6
645	MkD	645MkD	McCarthy	SL		2	16	28	2	6
645	MkE	645MkE	McCarthy	SL		1	0	10	2	6
645	MkE	645MkE	McCarthy	SL		2	16	28	2	6
645	MkF	645MkF	McCarthy	SL		1	0	16	2	6
645	MkF	645MkF	McCarthy	SL		2	16	28	2	6
645	MmE	645MmE	McCarthy	ST-SL		1	0	16	2	6
645	MmE	645MmE	McCarthy	ST-SL		2	16	28	2	6
645	MmF	645MmF	McCarthy	ST-SL		1	0	16	2	6
645	MmF	645MmF	McCarthy	ST-SL		2	16	28	2	6
645	MnE	645MnE	Iron Mountain	SL		1	0	9	2	6
645	MnE	645MnE	Iron Mountain	SL		1	0	16	2	6
645	MnE	645MnE	Iron Mountain	SL		2	16	28	2	6
645	MnE	645MnE	McCarthy	ST-SL		1	0	9	2	6
645	MnE	645MnE	McCarthy	ST-SL		1	0	16	2	6
645	MnE	645MnE	McCarthy	ST-SL		2	16	28	2	6
645	Mo	645Mo	Millrace	CB-FSL		1	0	6	2	6
645	Mo	645Mo	Millrace	CB-FSL		2	6	22	2	6
645	Mo	645Mo	Millrace	CB-FSL		3	22	60	6	20
645	Mp	645Mp	Millrace	GR-FSL		1	0	6	2	6
645	Mp	645Mp	Millrace	GR-FSL		2	6	22	2	6
645	Mp	645Mp	Millrace	GR-FSL		3	22	60	6	20
645	Mr	645Mr	Millrace	GR-FSL		1	0	6	6	20
645	Mr	645Mr	Millrace	GR-FSL		1	0	6	2	6
645	Mr	645Mr	Millrace	GR-FSL		1	0	6	2	6
645	Mr	645Mr	Millrace	CB-FSL		1	0	6	6	20
645	Mr	645Mr	Millrace	CB-FSL		1	0	6	2	6
645	Mr	645Mr	Millrace	CB-FSL		1	0	6	2	6
645	Mr	645Mr	Millrace	GR-FSL		2	6	60	6	20
645	Mr	645Mr	Millrace	GR-FSL		2	6	22	2	6
645	Mr	645Mr	Millrace	GR-FSL		2	6	22	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
645	Mr	645Mr	Millrace	CB-FSL		2	6	60	6	20
645	Mr	645Mr	Millrace	CB-FSL		2	6	22	2	6
645	Mr	645Mr	Millrace	CB-FSL		2	6	22	2	6
645	Mr	645Mr	Millrace	GR-FSL		3	22	60	6	20
645	Mr	645Mr	Millrace	GR-FSL		3	22	60	6	20
645	Mr	645Mr	Millrace	CB-FSL		3	22	60	6	20
645	Mr	645Mr	Millrace	CB-FSL		3	22	60	6	20
645	Mr	645Mr	Riverwash	GRX-S		1	0	6	6	20
645	Mr	645Mr	Riverwash	GRX-S		1	0	6	2	6
645	Mr	645Mr	Riverwash	GRX-S		1	0	6	2	6
645	Mr	645Mr	Riverwash	GRX-S		2	6	60	6	20
645	Mr	645Mr	Riverwash	GRX-S		2	6	22	2	6
645	Mr	645Mr	Riverwash	GRX-S		2	6	22	2	6
645	Mr	645Mr	Riverwash	GRX-S		3	22	60	6	20
645	Mr	645Mr	Riverwash	GRX-S		3	22	60	6	20
645	MuE	645MuE	Millsholm	SL		1	0	9	2	6
645	MuE	645MuE	Millsholm	SL		2	9	16	2	6
645	MuE	645MuE	Rock Outcrop	UWB		1	0	9	2	6
645	MuE	645MuE	Rock Outcrop	UWB		2	9	16	2	6
645	MuF	645MuF	Millsholm	SL		1	0	9	2	6
645	MuF	645MuF	Millsholm	SL		2	9	16	2	6
645	MuF	645MuF	Rock Outcrop	UWB		1	0	9	2	6
645	MuF	645MuF	Rock Outcrop	UWB		2	9	16	2	6
645	My	645My	Molinos	FSL		1	0	17	2	6
645	My	645My	Molinos	FSL		2	17	40	2	6
645	My	645My	Molinos	FSL		3	40	60	2	6
645	Mzd	645Mzd	Molinos	FSL		3	45	60	20	20
645	Mzm	645Mzm	Molinos	FSL		3	30	60	20	20
645	Mzs	645Mzs	Molinos	GR-FSL		1	0	17	2	6
645	Mzs	645Mzs	Molinos	GR-FSL		2	17	40	2	6
645	Mzs	645Mzs	Molinos	GR-FSL		3	40	60	2	6
645	Mzt	645Mzt	Molinos	SL		1	0	6	6	20
645	Mzt	645Mzt	Molinos	SL		1	0	17	2	6
645	Mzt	645Mzt	Molinos	SL		2	6	60	6	20
645	Mzt	645Mzt	Molinos	SL		2	17	30	2	6
645	Mzt	645Mzt	Riverwash	GRX-S		1	0	6	6	20
645	Mzt	645Mzt	Riverwash	GRX-S		1	0	17	2	6
645	Mzt	645Mzt	Riverwash	GRX-S		2	6	60	6	20
645	Mzt	645Mzt	Riverwash	GRX-S		2	17	30	2	6
645	NkB	645NkB	Nanny	ST-L		1	0	12	2	6
645	NkB	645NkB	Nanny	ST-L		2	12	31	2	6
645	NkB	645NkB	Nanny	ST-L		3	31	60	2	6
645	NmB	645NmB	Nanny	ST-L	THICK	1	0	12	2	6
645	NmB	645NmB	Nanny	ST-L	THICK	2	12	31	2	6
645	NnD	645NnD	Neuns	ST-L		1	0	10	2	6
645	NnD	645NnD	Neuns	ST-L		2	10	19	2	6
645	NnE	645NnE	Neuns	ST-L		1	0	10	2	6
645	NnE	645NnE	Neuns	ST-L		2	10	19	2	6
645	NnF	645NnF	Neuns	ST-L		1	0	10	2	6
645	NnF	645NnF	Neuns	ST-L		2	10	19	2	6
645	NoF	645NoF	Neuns	GR-L		1	0	10	2	6
645	NoF	645NoF	Neuns	GR-L		2	10	50	2	6
645	NpE	645NpE	Dubakella	ST-L		1	0	10	2	6
645	NpE	645NpE	Dubakella	ST-L		2	10	17	2	6
645	NpE	645NpE	Neuns	ST-L		1	0	10	2	6
645	NpE	645NpE	Neuns	ST-L		2	10	17	2	6
645	NxD	645NxD	Laniger	FSL		1	0	9	2	6
645	NxD	645NxD	Laniger	FSL		2	9	34	2	6
645	NxD	645NxD	Newville	GR-L		1	0	9	2	6
645	NxD	645NxD	Newville	GR-L		2	9	34	2	6
645	Op	645Op	Orland	L		1	0	18	2	6
645	Op	645Op	Orland	L		2	18	30	2	6
645	Or	645Or	Orland	L		3	30	60	0	20
645	Rr	645Rr	Riverwash	GRX-S		1	0	6	6	20

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
645	Rr	645Rr	Riverwash	GRX-S		2	6	60	6	20
645	RuF	645RuF	Rubble Land	FRAG		1	0	60	20	20
645	TyD	645TyD	Tyson	GR-SL		1	0	5	2	6
645	TyE	645TyE	Tyson	GR-SL		1	0	5	2	6
645	TyF	645TyF	Tyson	GR-SL		1	0	5	2	6
645	WgD	645WgD	Windy	GR-SL		1	0	12	2	6
645	WgD	645WgD	Windy	GR-SL		2	12	45	2	6
645	WgE	645WgE	Windy	GR-SL		1	0	12	2	6
645	WgE	645WgE	Windy	GR-SL		2	12	45	2	6
645	WnD	645WnD	Rock Outcrop	UWB		1	0	12	2	6
645	WnD	645WnD	Rock Outcrop	UWB		2	12	45	2	6
645	WnD	645WnD	Windy	GR-SL		1	0	12	2	6
645	WnD	645WnD	Windy	GR-SL		2	12	45	2	6
645	WnE	645WnE	Rock Outcrop	UWB		1	0	12	2	6
645	WnE	645WnE	Rock Outcrop	UWB		2	12	45	2	6
645	WnE	645WnE	Windy	GR-SL		1	0	12	2	6
645	WnE	645WnE	Windy	GR-SL		2	12	45	2	6
645	WnF	645WnF	Rock Outcrop	UWB		1	0	12	2	6
645	WnF	645WnF	Rock Outcrop	UWB		2	12	45	2	6
645	WnF	645WnF	Windy	GR-SL		1	0	12	2	6
645	WnF	645WnF	Windy	GR-SL		2	12	45	2	6
645	WrE2	645WrE2	Rock Outcrop	UWB		1	0	3	2	6
645	WrE2	645WrE2	Rock Outcrop	UWB		2	3	29	2	6
645	WrE2	645WrE2	Windy	ST-SL		1	0	3	2	6
645	WrE2	645WrE2	Windy	ST-SL		2	3	29	2	6
645	WsD	645WsD	Windy	ST-SL		1	0	3	2	6
645	WsD	645WsD	Windy	ST-SL		2	3	29	2	6
645	WsE	645WsE	Windy	ST-SL		1	0	3	2	6
645	WsE	645WsE	Windy	ST-SL		2	3	29	2	6
645	WsF	645WsF	Windy	ST-SL		1	0	3	2	6
645	WsF	645WsF	Windy	ST-SL		2	3	29	2	6
646	AkC	646AkC	Arbuckle	L		3	40	50	2	6
646	ArA	646ArA	Arbuckle	GR-L		3	40	60	2	6
646	BeG	646BeG	Ben Lomond	FSL		1	0	43	2	6
646	CoB	646CoB	Cortina	GRV-L		2	8	60	2	6
646	GaA	646GaA	Garretson	L		3	40	60	20	20
646	MeF2	646MeF2	Maymen	FSL		1	0	14	2	6
646	MfG2	646MfG2	Maymen	FSL		1	0	14	2	6
646	MfG2	646MfG2	Rock Outcrop	UWB		1	0	14	2	6
646	Pa	646Pa	Pacheco	FSL		1	0	16	2	6
646	Pd	646Pd	Pacheco	CL		2	16	60	2	6
646	Pe	646Pe	Pacheco	CL		3	36	60	6	20
646	Rg	646Rg	Riverwash	S		1	0	6	6	20
646	Rg	646Rg	Riverwash	S		2	6	60	2	6
646	SaE2	646SaE2	San Andreas	FSL		1	0	14	2	6
646	SaE2	646SaE2	San Andreas	FSL		2	14	23	0.6	6
646	SaG2	646SaG2	San Andreas	FSL		1	0	14	2	6
646	SaG2	646SaG2	San Andreas	FSL		2	14	23	0.6	6
648	5HB	6485HB	Hornitos	FSL		1	0	10	2	6
648	5HD	6485HD	Hornitos	FSL		1	0	10	2	6
648	5HE	6485HE	Hornitos	FSL		1	0	10	2	6
648	6HB	6486HB	Hornitos	GR-FSL		1	0	10	2	6
648	6HD	6486HD	Hornitos	GR-FSL		1	0	10	2	6
648	AcA	648AcA	Anderson	GR-SL		1	0	15	2	6
648	AcA	648AcA	Anderson	GR-SL		1	0	15	2	6
648	AcA	648AcA	Anderson	GR-L		1	0	15	2	6
648	AcA	648AcA	Anderson	GR-L		1	0	15	2	6
648	AcA	648AcA	Anderson	GR-SL		2	15	36	2	6
648	AcA	648AcA	Anderson	GR-SL		2	15	36	2	6
648	AcA	648AcA	Anderson	GR-L		2	15	36	2	6
648	AcA	648AcA	Anderson	GR-L		2	15	36	2	6
648	AcA	648AcA	Anderson	GR-SL		3	36	60	2	6
648	AcA	648AcA	Anderson	GR-SL		3	36	60	2	6
648	AcA	648AcA	Anderson	GR-L		3	36	60	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
648	AcA	648AcA	Anderson	GR-L		3	36	60	2	6
648	AdA	648AdA	Atwater Variant	LS	THICK	1	0	20	6	20
648	AdA	648AdA	Atwater Variant	LS	THICK	2	20	42	2	6
648	AfA	648AfA	Atwater	LS		1	0	20	6	20
648	AfA	648AfA	Atwater	LS		2	20	32	2	6
648	AfA	648AfA	Atwater	LS		3	32	60	2	6
648	AfB	648AfB	Atwater	LS		1	0	20	6	20
648	AfB	648AfB	Atwater	LS		2	20	32	2	6
648	AfB	648AfB	Atwater	LS		3	32	60	2	6
648	AgA	648AgA	Atwater	LS	THICK	1	0	20	6	20
648	AgA	648AgA	Atwater	LS	THICK	2	20	42	2	6
648	AgB	648AgB	Atwater	LS	THICK	1	0	20	6	20
648	AgB	648AgB	Atwater	LS	THICK	2	20	42	2	6
648	AkA	648AkA	Atwater Variant	LS		1	0	20	6	20
648	AkA	648AkA	Atwater Variant	LS		2	20	32	2	6
648	AkA	648AkA	Atwater Variant	LS		3	32	60	2	6
648	AnA	648AnA	Atwater	S		1	0	20	6	20
648	AnA	648AnA	Atwater	S		2	20	32	2	6
648	AnA	648AnA	Atwater	S		3	32	60	2	6
648	AnB	648AnB	Atwater	S		1	0	20	6	20
648	AnB	648AnB	Atwater	S		2	20	32	2	6
648	AnB	648AnB	Atwater	S		3	32	60	2	6
648	CaA	648CaA	Columbia	FSL		1	0	20	2	6
648	CaA	648CaA	Columbia	FSL		2	20	40	2	6
648	CbA	648CbA	Columbia	L	THICK	2	20	36	2	6
648	CbA	648CbA	Columbia	L	THICK	3	36	54	2	6
648	CcA	648CcA	Columbia	FSL		1	0	20	2	6
648	CeA	648CeA	Columbia	FSL		1	0	20	2	6
648	CeA	648CeA	Columbia	FSL		1	0	20	2	6
648	CeA	648CeA	Columbia	FSL		1	0	20	2	6
648	CeA	648CeA	Columbia	FSL		1	0	20	2	6
648	CeA	648CeA	Columbia	FSL		1	0	20	2	6
648	CeA	648CeA	Columbia	FSL		1	0	20	2	6
648	CeA	648CeA	Columbia	FSL		1	0	20	2	6
648	CeA	648CeA	Columbia	FSL		1	0	20	2	6
648	CeA	648CeA	Columbia	FSL		1	0	20	2	6
648	CeA	648CeA	Columbia	FSL		2	20	60	2	6
648	CeA	648CeA	Columbia	FSL		2	20	48	2	6
648	CeA	648CeA	Columbia	FSL		2	20	48	2	6
648	CeA	648CeA	Columbia	FSL		2	20	60	2	6
648	CeA	648CeA	Columbia	FSL		2	20	48	2	6
648	CeA	648CeA	Columbia	FSL		2	20	48	2	6
648	CeA	648CeA	Columbia	FSL		2	20	60	2	6
648	CeA	648CeA	Columbia	FSL		2	20	48	2	6
648	CeA	648CeA	Columbia	FSL		2	20	48	2	6
648	DbA	648DbA	Delhi	LFS		1	0	12	6	20
648	DbA	648DbA	Delhi	LFS		2	12	44	6	20
648	DbA	648DbA	Delhi	LFS		3	44	68	6	20
648	DbB	648DbB	Delhi	LFS		1	0	12	6	20
648	DbB	648DbB	Delhi	LFS		2	12	44	6	20
648	DbB	648DbB	Delhi	LFS		3	44	68	6	20
648	DcA	648DcA	Delhi	LFS		1	0	12	6	20
648	DcA	648DcA	Delhi	LFS		2	12	30	6	20
648	DcA	648DcA	Delhi	LFS		3	30	60	2	6
648	DdA	648DdA	Delhi	LS		1	0	12	6	20
648	DdA	648DdA	Delhi	LS		2	12	44	6	20
648	DdA	648DdA	Delhi	LS		3	44	68	6	20
648	DdB	648DdB	Delhi	LS		1	0	12	6	20
648	DdB	648DdB	Delhi	LS		2	12	44	6	20
648	DdB	648DdB	Delhi	LS		3	44	68	6	20
648	DeA	648DeA	Delhi	LS		1	0	12	6	20
648	DeA	648DeA	Delhi	LS		2	12	30	6	20
648	DeA	648DeA	Delhi	LS		3	30	60	2	6
648	DfA	648DfA	Delhi	S		1	0	12	6	20

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
648	DfA	648DfA	Delhi	S		2	12	44	6	20
648	DfA	648DfA	Delhi	S		3	44	68	6	20
648	DfB	648DfB	Delhi	S		1	0	12	6	20
648	DfB	648DfB	Delhi	S		2	12	44	6	20
648	DfB	648DfB	Delhi	S		3	44	68	6	20
648	DfC	648DfC	Delhi	S		1	0	12	6	20
648	DfC	648DfC	Delhi	S		2	12	44	6	20
648	DfC	648DfC	Delhi	S		3	44	68	6	20
648	DgA	648DgA	Delhi	S		1	0	12	6	20
648	DgA	648DgA	Delhi	S		2	12	30	6	20
648	DgA	648DgA	Delhi	S		3	30	60	2	6
648	DgB	648DgB	Delhi	S		1	0	12	6	20
648	DgB	648DgB	Delhi	S		2	12	30	6	20
648	DgB	648DgB	Delhi	S		3	30	60	2	6
648	DhA	648DhA	Dello	LFS		1	0	6	6	20
648	DhA	648DhA	Dello	LFS		2	6	60	6	20
648	DkA	648DkA	Dello	S		1	0	6	6	20
648	DkA	648DkA	Dello	S		2	6	60	6	20
648	DmA	648DmA	Dello	S		1	0	6	6	20
648	DmA	648DmA	Dello	S		2	6	60	6	20
648	DnA	648DnA	Dello	S		1	0	6	6	20
648	DnA	648DnA	Dello	S		2	6	60	6	20
648	DoA	648DoA	Dello	S		1	0	6	6	20
648	DoA	648DoA	Dello	S		2	6	60	6	20
648	DpA	648DpA	Dinuba	SL		1	0	18	2	6
648	DpA	648DpA	Dinuba	SL		2	18	24	2	6
648	DrA	648DrA	Dinuba	SL		1	0	18	2	6
648	DrA	648DrA	Dinuba	SL		2	18	24	2	6
648	DsA	648DsA	Dinuba Variant	SL		1	0	18	2	6
648	DsA	648DsA	Dinuba Variant	SL		2	18	24	2	6
648	DuA	648DuA	Dune Land	FS		1	0	6	6	20
648	DuA	648DuA	Dune Land	FS		2	6	60	6	20
648	DuB	648DuB	Dune Land	FS		1	0	6	6	20
648	DuB	648DuB	Dune Land	FS		2	6	60	6	20
648	FaA	648FaA	Foster	FSL		1	0	19	2	6
648	FbA	648FbA	Foster	FSL		1	0	19	2	6
648	FbA	648FbA	Foster	FSL		2	19	30	2	6
648	FbA	648FbA	Foster	FSL		3	30	60	2	6
648	FcA	648FcA	Foster	FSL		1	0	19	2	6
648	FdA	648FdA	Foster	FSL		1	10	19	2	6
648	FeA	648FeA	Foster	FSL		1	0	19	2	6
648	GaA	648GaA	Grangeville	FSL		1	0	12	2	6
648	GaA	648GaA	Grangeville	FSL		2	12	60	2	6
648	GbA	648GbA	Grangeville	L		2	12	60	2	6
648	GcA	648GcA	Grangeville	L		2	12	60	2	6
648	HaA	648HaA	Hanford	FSL		1	0	12	2	6
648	HaA	648HaA	Hanford	FSL		2	12	60	2	6
648	HbA	648HbA	Hanford	FSL		1	0	12	2	6
648	HbA	648HbA	Hanford	FSL		2	12	40	2	6
648	HbA	648HbA	Hanford	FSL		3	40	60	6	20
648	HcB	648HcB	Columbia	FSL		1	0	13	2	6
648	HcB	648HcB	Columbia	FSL		1	0	12	2	6
648	HcB	648HcB	Columbia	FSL		2	13	30	2	6
648	HcB	648HcB	Columbia	FSL		2	12	30	2	6
648	HcB	648HcB	Columbia	FSL		3	30	60	2	6
648	HcB	648HcB	Columbia	FSL		3	30	60	2	6
648	HcB	648HcB	Hanford	FSL		1	0	13	2	6
648	HcB	648HcB	Hanford	FSL		1	0	12	2	6
648	HcB	648HcB	Hanford	FSL		2	13	30	2	6
648	HcB	648HcB	Hanford	FSL		2	12	30	2	6
648	HcB	648HcB	Hanford	FSL		3	30	60	2	6
648	HcB	648HcB	Hanford	FSL		3	30	60	2	6
648	HdA	648HdA	Hanford	GR-SL		1	0	12	2	6
648	HdA	648HdA	Hanford	GR-SL		2	12	60	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
648	HeA	648HeA	Hanford	SL		1	0	12	2	6
648	HeA	648HeA	Hanford	SL		2	12	60	2	6
648	HfA	648HfA	Hilmar	LS		1	0	23	6	20
648	HgA	648HgA	Hilmar	LS		1	0	23	6	20
648	HhA	648HhA	Hilmar	LS		1	0	23	6	20
648	HkA	648HkA	Hilmar	S		1	0	23	6	20
648	HmA	648HmA	Hilmar	S		1	0	23	6	20
648	HnA	648HnA	Hilmar	S		1	0	23	6	20
648	HoA	648HoA	Hilmar	S		1	0	23	6	20
648	HpA	648HpA	Hilmar	S		1	0	23	6	20
648	HrA	648HrA	Honcut	FSL		1	0	20	2	6
648	HrA	648HrA	Honcut	FSL		2	20	60	2	6
648	HsA	648HsA	Honcut	GR-SL		1	0	20	2	6
648	HsA	648HsA	Honcut	GR-SL		2	20	60	2	6
648	HtA	648HtA	Honcut	SIL		1	0	20	2	6
648	HtA	648HtA	Honcut	SIL		2	20	60	2	6
648	HuA	648HuA	Honcut	SIL	THICK	1	0	20	2	6
648	HuA	648HuA	Honcut	SIL	THICK	2	20	45	2	6
648	KcB	648KcB	Keyes	GR-L	THICK	1	0	16	2	6
648	KcB	648KcB	Pentz	GR-L		1	0	16	2	6
648	MaA	648MaA	Madera	FSL	THICK	1	0	12	2	6
648	MdA	648MdA	Madera	SL	THICK	1	0	12	2	6
648	MdB	648MdB	Madera	SL	THICK	1	0	12	2	6
648	MrA	648MrA	Montpellier	COSL		1	0	20	2	6
648	MrB	648MrB	Montpellier	COSL		1	0	20	2	6
648	MrC	648MrC	Montpellier	COSL		1	0	20	2	6
648	MrC2	648MrC2	Montpellier	COSL		1	0	15	2	6
648	MrD2	648MrD2	Montpellier	COSL		1	0	15	2	6
648	MrE2	648MrE2	Montpellier	COSL		1	0	15	2	6
648	PkB	648PkB	Pentz	GR-L		1	0	16	2	6
648	PkD	648PkD	Pentz	GR-L		1	0	16	2	6
648	PmB	648PmB	Pentz	L		1	0	16	2	6
648	PmD	648PmD	Pentz	L		1	0	16	2	6
648	PmE	648PmE	Pentz	L		1	0	16	2	6
648	PuA	648PuA	Piper	FSL		1	0	3	2	6
648	PuA	648PuA	Piper	FSL		1	0	6	6	20
648	PuA	648PuA	Piper	LS		1	0	3	2	6
648	PuA	648PuA	Piper	LS		1	0	6	6	20
648	PuA	648PuA	Piper	FSL		2	3	60	2	6
648	PuA	648PuA	Piper	LS		2	3	60	2	6
648	PuA	648PuA	River Wash	FSL		1	0	3	2	6
648	PuA	648PuA	River Wash	FSL		1	0	6	6	20
648	PuA	648PuA	River Wash	FSL		2	3	60	2	6
648	Rf	648Rf	Riverwash	COS		1	0	6	6	20
648	Rf	648Rf	Riverwash	COS		2	6	60	6	20
648	Ta	648Ta	Tailings	FRAG		1	0	60	6	20
648	TdA	648TdA	Riverwash	COS		1	0	6	6	20
648	TdA	648TdA	Riverwash	COS		2	6	60	6	20
648	TdA	648TdA	Temple	CL		1	0	6	6	20
648	TdA	648TdA	Temple	CL		2	6	60	6	20
648	TsA	648TsA	Riverwash	COS		1	0	6	6	20
648	TsA	648TsA	Riverwash	COS		1	0	48	6	20
648	TsA	648TsA	Riverwash	COS		2	6	60	6	20
648	TsA	648TsA	Riverwash	COS		2	48	60	6	20
648	TsA	648TsA	Tujunga	GR-S		1	0	6	6	20
648	TsA	648TsA	Tujunga	GR-S		1	0	48	6	20
648	TsA	648TsA	Tujunga	GR-S		2	6	60	6	20
648	TsA	648TsA	Tujunga	GR-S		2	48	60	6	20
648	TtA	648TtA	Tujunga	LS		1	0	48	6	20
648	TtA	648TtA	Tujunga	LS		2	48	60	6	20
648	TuA	648TuA	Tujunga	S		1	0	48	6	20
648	TuA	648TuA	Tujunga	S		2	48	60	6	20
648	TwA	648TwA	Riverwash	S		1	0	6	6	20
648	TwA	648TwA	Riverwash	S		1	0	48	6	20

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
648	TwA	648TwA	Riverwash	S		2	6	60	6	20
648	TwA	648TwA	Riverwash	S		2	48	60	6	20
648	TwA	648TwA	Tujunga	S		1	0	6	6	20
648	TwA	648TwA	Tujunga	S		1	0	48	6	20
648	TwA	648TwA	Tujunga	S		2	6	60	6	20
648	TwA	648TwA	Tujunga	S		2	48	60	6	20
648	WhB	648WhB	Whitney	FSL		1	0	15	2	6
648	WhB2	648WhB2	Whitney	FSL		1	0	15	2	6
648	WhC	648WhC	Whitney	FSL		1	0	15	2	6
648	WhC2	648WhC2	Whitney	FSL		1	0	15	2	6
648	WhD2	648WhD2	Whitney	FSL		1	0	15	2	6
648	WhE2	648WhE2	Whitney	FSL		1	0	15	2	6
648	WkB	648WkB	Whitney	SL		1	0	15	2	6
648	WkC	648WkC	Whitney	SL		1	0	15	2	6
648	WkC2	648WkC2	Whitney	SL		1	0	15	2	6
648	WkD2	648WkD2	Whitney	SL		1	0	15	2	6
648	WmB2	648WmB2	Rocklin	SL	THICK	1	0	15	2	6
648	WmB2	648WmB2	Whiney	FSL		1	0	15	2	6
648	WmC2	648WmC2	Rocklin	SL	THICK	1	0	15	2	6
648	WmC2	648WmC2	Whitney	FSL		1	0	15	2	6
648	WtA	648WtA	Wyman	GR-L		3	35	60	6	20
649	AaC	649AaC	Ahwahnee	SL		1	0	18	2	6
649	AaC	649AaC	Ahwahnee	SL		2	18	37	2	6
649	AaD	649AaD	Ahwahnee	SL		1	0	18	2	6
649	AaD	649AaD	Ahwahnee	SL		2	18	37	2	6
649	AbE	649AbE	Ahwahnee	SL		1	0	16	2	6
649	AbE	649AbE	Ahwahnee	SL		1	0	18	2	6
649	AbE	649AbE	Ahwahnee	SL		2	18	37	2	6
649	AbE	649AbE	Auberry	SL		1	0	16	2	6
649	AbE	649AbE	Auberry	SL		1	0	18	2	6
649	AbE	649AbE	Auberry	SL		2	18	37	2	6
649	AcE	649AcE	Ahwahnee	SL		1	0	16	2	6
649	AcE	649AcE	Ahwahnee	SL		1	0	18	2	6
649	AcE	649AcE	Ahwahnee	SL		2	18	37	2	6
649	AcE	649AcE	Auberry	SL		1	0	16	2	6
649	AcE	649AcE	Auberry	SL		1	0	18	2	6
649	AcE	649AcE	Auberry	SL		2	18	37	2	6
649	AdG	649AdG	Ahwahnee	SL		1	0	16	2	6
649	AdG	649AdG	Ahwahnee	SL		1	0	18	2	6
649	AdG	649AdG	Ahwahnee	SL		2	18	37	2	6
649	AdG	649AdG	Auberry	SL		1	0	16	2	6
649	AdG	649AdG	Auberry	SL		1	0	18	2	6
649	AdG	649AdG	Auberry	SL		2	18	37	2	6
649	AdG	649AdG	Rock Outcrop	UWB		1	0	16	2	6
649	AdG	649AdG	Rock Outcrop	UWB		1	0	18	2	6
649	AdG	649AdG	Rock Outcrop	UWB		2	18	37	2	6
649	AeD	649AeD	Auberry	SL		1	0	16	2	6
649	AfD	649AfD	Auberry	SL		1	0	16	2	6
649	AfE2	649AfE2	Auberry	SL		1	0	16	2	6
649	AgE	649AgE	Auberry	SL		1	0	16	2	6
649	AgE	649AgE	Rock Outcrop	UWB		1	0	16	2	6
649	AgG2	649AgG2	Auberry	SL		1	0	16	2	6
649	AgG2	649AgG2	Rock Outcrop	UWB		1	0	16	2	6
649	HcF	649HcF	Hornitos	GR-SL		1	0	11	2	6
649	JbD2	649JbD2	Josephine	L		1	0	4	2	6
649	JbE2	649JbE2	Josephine	L		1	0	4	2	6
649	JbF2	649JbF2	Josephine	L		1	0	4	2	6
649	JcD2	649JcD2	Josephine	GR-L		1	0	4	2	6
649	JcE2	649JcE2	Josephine	GR-L		1	0	4	2	6
649	JcF2	649JcF2	Josephine	GR-L		1	0	4	2	6
649	JdG2	649JdG2	Josephine	GR-L		1	0	4	2	6
649	JeF2	649JeF2	Josephine	GR-L		1	0	4	2	6
649	JeF2	649JeF2	Rock Outcrop	UWB		1	0	4	2	6
649	MaF2	649MaF2	Mariposa	GR-SIL		1	0	9	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
649	MaG2	649MaG2	Mariposa	GR-SIL		1	0	9	2	6
649	MeD2	649MeD2	Musick	L		1	0	14	2	6
649	MeE2	649MeE2	Musick	L		1	0	14	2	6
649	MfD2	649MfD2	Musick	SL		1	0	14	2	6
649	MfF2	649MfF2	Musick	SL		1	0	14	2	6
649	RaD	649RaD	Redding	GR-L	THICK	1	0	7	2	6
649	SdD2	649SdD2	Musick	SL		1	0	14	2	6
649	SdD2	649SdD2	Musick	SL		1	0	23	2	6
649	SdD2	649SdD2	Stump Springs	SL		1	0	14	2	6
649	SdD2	649SdD2	Stump Springs	SL		1	0	23	2	6
649	SeD2	649SeD2	Musick	SL		1	0	14	2	6
649	SeD2	649SeD2	Musick	SL		1	0	23	2	6
649	SeD2	649SeD2	Stump Springs	SL		1	0	14	2	6
649	SeD2	649SeD2	Stump Springs	SL		1	0	23	2	6
649	SeF2	649SeF2	Musick	SL		1	0	14	2	6
649	SeF2	649SeF2	Musick	SL		1	0	23	2	6
649	SeF2	649SeF2	Stump Springs	SL		1	0	14	2	6
649	SeF2	649SeF2	Stump Springs	SL		1	0	23	2	6
651	AaC	651AaC	Ahwahnee	COSL		1	0	12	2	6
651	AaC	651AaC	Ahwahnee	COSL		1	0	8	2	6
651	AaC	651AaC	Ahwahnee	COSL		2	8	48	2	6
651	AaC	651AaC	Ahwahnee	COSL		4	35	42	2	6
651	AaC	651AaC	Auberry	COSL		1	0	12	2	6
651	AaC	651AaC	Auberry	COSL		1	0	8	2	6
651	AaC	651AaC	Auberry	COSL		2	8	48	2	6
651	AaC	651AaC	Auberry	COSL		4	35	42	2	6
651	AaD	651AaD	Ahwahnee	COSL		1	0	12	2	6
651	AaD	651AaD	Ahwahnee	COSL		1	0	8	2	6
651	AaD	651AaD	Ahwahnee	COSL		2	8	48	2	6
651	AaD	651AaD	Ahwahnee	COSL		4	35	42	2	6
651	AaD	651AaD	Auberry	COSL		1	0	12	2	6
651	AaD	651AaD	Auberry	COSL		1	0	8	2	6
651	AaD	651AaD	Auberry	COSL		2	8	48	2	6
651	AaD	651AaD	Auberry	COSL		4	35	42	2	6
651	AbB	651AbB	Ahwahnee	COSL		1	0	12	2	6
651	AbB	651AbB	Ahwahnee	COSL		1	0	8	2	6
651	AbB	651AbB	Ahwahnee	COSL		2	8	48	2	6
651	AbB	651AbB	Ahwahnee	COSL		4	35	42	2	6
651	AbB	651AbB	Auberry	COSL		1	0	12	2	6
651	AbB	651AbB	Auberry	COSL		1	0	8	2	6
651	AbB	651AbB	Auberry	COSL		2	8	48	2	6
651	AbB	651AbB	Auberry	COSL		4	35	42	2	6
651	AbD	651AbD	Ahwahnee	COSL		1	0	12	2	6
651	AbD	651AbD	Ahwahnee	COSL		1	0	8	2	6
651	AbD	651AbD	Ahwahnee	COSL		2	8	48	2	6
651	AbD	651AbD	Ahwahnee	COSL		4	35	42	2	6
651	AbD	651AbD	Auberry	COSL		1	0	12	2	6
651	AbD	651AbD	Auberry	COSL		1	0	8	2	6
651	AbD	651AbD	Auberry	COSL		2	8	48	2	6
651	AbD	651AbD	Auberry	COSL		4	35	42	2	6
651	AbE	651AbE	Ahwahnee	COSL		1	0	12	2	6
651	AbE	651AbE	Ahwahnee	COSL		1	0	8	2	6
651	AbE	651AbE	Ahwahnee	COSL		2	8	48	2	6
651	AbE	651AbE	Ahwahnee	COSL		4	35	42	2	6
651	AbE	651AbE	Auberry	COSL		1	0	12	2	6
651	AbE	651AbE	Auberry	COSL		1	0	8	2	6
651	AbE	651AbE	Auberry	COSL		2	8	48	2	6
651	AbE	651AbE	Auberry	COSL		4	35	42	2	6
651	AcD	651AcD	Ahwahnee	COSL		1	0	12	2	6
651	AcD	651AcD	Ahwahnee	COSL		1	0	8	2	6
651	AcD	651AcD	Ahwahnee	COSL		2	8	48	2	6
651	AcD	651AcD	Ahwahnee	COSL		4	35	42	2	6
651	AcD	651AcD	Auberry	COSL		1	0	12	2	6
651	AcD	651AcD	Auberry	COSL		1	0	8	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
651	AcD	651AcD	Auberry	COSL		2	8	48	2	6
651	AcD	651AcD	Auberry	COSL		4	35	42	2	6
651	AcD	651AcD	Rock Outcrop			1	0	12	2	6
651	AcD	651AcD	Rock Outcrop			1	0	8	2	6
651	AcD	651AcD	Rock Outcrop			2	8	48	2	6
651	AcD	651AcD	Rock Outcrop			4	35	42	2	6
651	AcF	651AcF	Ahwahnee	COSL		1	0	12	2	6
651	AcF	651AcF	Ahwahnee	COSL		1	0	8	2	6
651	AcF	651AcF	Ahwahnee	COSL		2	8	36	2	6
651	AcF	651AcF	Ahwahnee	COSL		4	35	42	2	6
651	AcF	651AcF	Auberry	COSL		1	0	12	2	6
651	AcF	651AcF	Auberry	COSL		1	0	8	2	6
651	AcF	651AcF	Auberry	COSL		2	8	36	2	6
651	AcF	651AcF	Auberry	COSL		4	35	42	2	6
651	AcF	651AcF	Rock Outcrop			1	0	12	2	6
651	AcF	651AcF	Rock Outcrop			1	0	8	2	6
651	AcF	651AcF	Rock Outcrop			2	8	36	2	6
651	AcF	651AcF	Rock Outcrop			4	35	42	2	6
651	AdB	651AdB	Ahwahnee	COSL		1	0	12	2	6
651	AdB	651AdB	Ahwahnee	COSL		1	0	8	2	6
651	AdB	651AdB	Ahwahnee	COSL		2	12	36	2	6
651	AdB	651AdB	Ahwahnee	COSL		2	8	48	2	6
651	AdB	651AdB	Vista	COSL		1	0	12	2	6
651	AdB	651AdB	Vista	COSL		1	0	8	2	6
651	AdB	651AdB	Vista	COSL		2	12	36	2	6
651	AdB	651AdB	Vista	COSL		2	8	48	2	6
651	AdC	651AdC	Ahwahnee	COSL		1	0	12	2	6
651	AdC	651AdC	Ahwahnee	COSL		1	0	8	2	6
651	AdC	651AdC	Ahwahnee	COSL		2	12	36	2	6
651	AdC	651AdC	Ahwahnee	COSL		2	8	48	2	6
651	AdC	651AdC	Vista	COSL		1	0	12	2	6
651	AdC	651AdC	Vista	COSL		1	0	8	2	6
651	AdC	651AdC	Vista	COSL		2	12	36	2	6
651	AdC	651AdC	Vista	COSL		2	8	48	2	6
651	AdD	651AdD	Ahwahnee	COSL		1	0	12	2	6
651	AdD	651AdD	Ahwahnee	COSL		1	0	8	2	6
651	AdD	651AdD	Ahwahnee	COSL		2	12	36	2	6
651	AdD	651AdD	Ahwahnee	COSL		2	8	48	2	6
651	AdD	651AdD	Vista	COSL		1	0	12	2	6
651	AdD	651AdD	Vista	COSL		1	0	8	2	6
651	AdD	651AdD	Vista	COSL		2	12	36	2	6
651	AdD	651AdD	Vista	COSL		2	8	48	2	6
651	AeB	651AeB	Ahwahnee	COSL		1	0	12	2	6
651	AeB	651AeB	Ahwahnee	COSL		1	0	8	2	6
651	AeB	651AeB	Ahwahnee	COSL		2	12	36	2	6
651	AeB	651AeB	Ahwahnee	COSL		2	8	48	2	6
651	AeB	651AeB	Vista	COSL		1	0	12	2	6
651	AeB	651AeB	Vista	COSL		1	0	8	2	6
651	AeB	651AeB	Vista	COSL		2	12	36	2	6
651	AeB	651AeB	Vista	COSL		2	8	48	2	6
651	AeD	651AeD	Ahwahnee	COSL		1	0	12	2	6
651	AeD	651AeD	Ahwahnee	COSL		1	0	8	2	6
651	AeD	651AeD	Ahwahnee	COSL		2	12	36	2	6
651	AeD	651AeD	Ahwahnee	COSL		2	8	48	2	6
651	AeD	651AeD	Vista	COSL		1	0	12	2	6
651	AeD	651AeD	Vista	COSL		1	0	8	2	6
651	AeD	651AeD	Vista	COSL		2	12	36	2	6
651	AeD	651AeD	Vista	COSL		2	8	48	2	6
651	AeE	651AeE	Ahwahnee	COSL		1	0	12	2	6
651	AeE	651AeE	Ahwahnee	COSL		1	0	8	2	6
651	AeE	651AeE	Ahwahnee	COSL		2	12	36	2	6
651	AeE	651AeE	Ahwahnee	COSL		2	8	36	2	6
651	AeE	651AeE	Vista	COSL		1	0	12	2	6
651	AeE	651AeE	Vista	COSL		1	0	8	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
651	AeE	651AeE	Vista	COSL		2	12	36	2	6
651	AeE	651AeE	Vista	COSL		2	8	36	2	6
651	ArD	651ArD	Ahwahnee	COSL		1	0	12	2	6
651	ArD	651ArD	Ahwahnee	COSL		1	0	8	2	6
651	ArD	651ArD	Ahwahnee	COSL		2	12	36	2	6
651	ArD	651ArD	Ahwahnee	COSL		2	8	36	2	6
651	ArD	651ArD	Rock Outcrop			1	0	12	2	6
651	ArD	651ArD	Rock Outcrop			1	0	8	2	6
651	ArD	651ArD	Rock Outcrop			2	12	36	2	6
651	ArD	651ArD	Rock Outcrop			2	8	36	2	6
651	ArD	651ArD	Vista	COSL		1	0	12	2	6
651	ArD	651ArD	Vista	COSL		1	0	8	2	6
651	ArD	651ArD	Vista	COSL		2	12	36	2	6
651	ArD	651ArD	Vista	COSL		2	8	36	2	6
651	ArF	651ArF	Ahwahnee	COSL		1	0	12	2	6
651	ArF	651ArF	Ahwahnee	COSL		1	0	8	2	6
651	ArF	651ArF	Ahwahnee	COSL		2	12	36	2	6
651	ArF	651ArF	Ahwahnee	COSL		2	8	36	2	6
651	ArF	651ArF	Rock Outcrop			1	0	12	2	6
651	ArF	651ArF	Rock Outcrop			1	0	8	2	6
651	ArF	651ArF	Rock Outcrop			2	12	36	2	6
651	ArF	651ArF	Rock Outcrop			2	8	36	2	6
651	ArF	651ArF	Vista	COSL		1	0	12	2	6
651	ArF	651ArF	Vista	COSL		1	0	8	2	6
651	ArF	651ArF	Vista	COSL		2	12	36	2	6
651	ArF	651ArF	Vista	COSL		2	8	36	2	6
651	AtA	651AtA	Atwater	LS		1	0	24	6	20
651	AtA	651AtA	Atwater	LS		2	24	39	2	6
651	AtA	651AtA	Atwater	LS		3	39	60	2	6
651	AtB	651AtB	Atwater	LS		1	0	24	6	20
651	AtB	651AtB	Atwater	LS		2	24	39	2	6
651	AtB	651AtB	Atwater	LS		3	39	60	2	6
651	AwA	651AwA	Atwater	LS	THICK	1	0	24	6	20
651	AwA	651AwA	Atwater	LS	THICK	2	24	42	2	6
651	AwB	651AwB	Atwater	LS	THICK	1	0	24	6	20
651	AwB	651AwB	Atwater	LS	THICK	2	24	42	2	6
651	CaA	651CaA	Cajon	LS		1	0	12	6	20
651	CaA	651CaA	Cajon	LS		2	12	60	6	20
651	CaaA	651CaaA	Cajon	LS		1	0	12	6	20
651	CaaA	651CaaA	Cajon	LS		2	12	60	6	20
651	CabA	651CabA	Cajon	LS		1	0	12	6	20
651	CabA	651CabA	Cajon	LS		2	12	60	6	20
651	CacA	651CacA	Cajon	LS		1	0	14	6	20
651	CacA	651CacA	Cajon	LS		2	14	60	6	20
651	CbaB	651CbaB	Calhi	LS		1	0	14	6	20
651	CbaB	651CbaB	Calhi	LS		2	14	60	6	20
651	CbbB	651CbbB	Calhi	LS		1	0	14	6	20
651	CbbB	651CbbB	Calhi	LS		2	14	60	6	20
651	CcaA	651CcaA	Calhi	LS		1	0	12	6	20
651	CcaA	651CcaA	Calhi	LS		2	12	40	6	20
651	CcaB	651CcaB	Calhi	LS		1	0	12	6	20
651	CcaB	651CcaB	Calhi	LS		2	12	40	6	20
651	CcbA	651CcbA	Calhi	LS		1	0	12	6	20
651	CcbA	651CcbA	Calhi	LS		2	12	40	6	20
651	CcbB	651CcbB	Calhi	LS		1	0	12	6	20
651	CcbB	651CcbB	Calhi	LS		2	12	40	6	20
651	CccA	651CccA	Calhi	LS		1	0	12	6	20
651	CccA	651CccA	Calhi	LS		2	12	40	6	20
651	CmA	651CmA	Columbia	FSL		1	0	14	2	6
651	CmA	651CmA	Columbia	FSL		2	14	36	2	6
651	CmA	651CmA	Columbia	FSL		3	36	60	2	6
651	CmdA	651CmdA	Columbia	FSL	THICK	1	0	14	2	6
651	CmdA	651CmdA	Columbia	FSL	THICK	2	14	36	2	6
651	CmdA	651CmdA	Columbia	FSL	THICK	3	36	41	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
651	CmtA	651CmtA	Columbia	FSL		1	0	14	2	6
651	CmtA	651CmtA	Columbia	FSL		2	14	36	2	6
651	CmtA	651CmtA	Columbia	FSL		3	36	41	2	6
651	CoA	651CoA	Columbia	SL		1	0	14	2	6
651	CoA	651CoA	Columbia	SL		2	14	36	2	6
651	CoA	651CoA	Columbia	SL		3	36	60	2	6
651	CotA	651CotA	Columbia	SL		1	0	14	2	6
651	CotA	651CotA	Columbia	SL		2	14	36	2	6
651	CotA	651CotA	Columbia	SL		3	36	41	2	6
651	CpA	651CpA	Columbia	SL		1	0	14	2	6
651	CpA	651CpA	Columbia	SL		2	14	36	2	6
651	CpA	651CpA	Columbia	SL		3	36	60	2	6
651	CpdA	651CpdA	Columbia	SL		1	0	14	2	6
651	CpdA	651CpdA	Columbia	SL		2	14	30	2	6
651	CpdA	651CpdA	Columbia	SL		3	30	60	6	20
651	CrB	651CrB	Columbia Soils	FSL		1	0	6	6	20
651	CrB	651CrB	Columbia Soils	FSL		1	0	7	2	6
651	CrB	651CrB	Columbia Soils	FSL		2	6	60	6	20
651	CrB	651CrB	Columbia Soils	FSL		2	7	27	2	6
651	CrB	651CrB	Columbia Soils	FSL		3	27	60	2	6
651	CrB	651CrB	Riverwash			1	0	6	6	20
651	CrB	651CrB	Riverwash			1	0	7	2	6
651	CrB	651CrB	Riverwash			2	6	60	6	20
651	CrB	651CrB	Riverwash			2	7	27	2	6
651	CrB	651CrB	Riverwash			3	27	60	2	6
651	CwB	651CwB	Cometa	SL		1	0	19	2	6
651	CwB	651CwB	Whitney	SL		1	0	19	2	6
651	CwC	651CwC	Cometa	SL		1	0	19	2	6
651	CwC	651CwC	Whitney	SL		1	0	19	2	6
651	DeA	651DeA	Deli	S		1	0	12	6	20
651	DeA	651DeA	Deli	S		2	12	24	6	20
651	DeA	651DeA	Deli	S		3	24	60	6	20
651	DeB	651DeB	Delhi	S		1	0	12	6	20
651	DeB	651DeB	Delhi	S		2	12	24	6	20
651	DeB	651DeB	Delhi	S		3	24	60	6	20
651	DfA	651DfA	Delhi	S	THICK	1	0	10	6	20
651	DfA	651DfA	Delhi	S	THICK	2	10	40	6	20
651	DmA	651DmA	Dinuba	FSL		1	0	13	2	6
651	DmA	651DmA	Dinuba	FSL		2	13	24	2	6
651	DoA	651DoA	Dinuba	L		1	0	13	2	6
651	DoA	651DoA	Dinuba	L		2	13	24	2	6
651	FaA	651FaA	Foster	CL		2	20	32	2	6
651	FaA	651FaA	Foster	CL		3	32	60	2	6
651	FbA	651FbA	Foster	L		1	0	20	2	6
651	FbA	651FbA	Foster	FSL		1	0	20	2	6
651	FbA	651FbA	Foster	L		2	20	32	2	6
651	FbA	651FbA	Foster	L		2	20	32	2	6
651	FbA	651FbA	Foster	FSL		2	20	32	2	6
651	FbA	651FbA	Foster	FSL		2	20	32	2	6
651	FbA	651FbA	Foster	L		3	32	60	2	6
651	FbA	651FbA	Foster	L		3	32	60	2	6
651	FbA	651FbA	Foster	FSL		3	32	60	2	6
651	FbA	651FbA	Foster	FSL		3	32	60	2	6
651	FbaA	651FbaA	Foster	L		1	0	20	2	6
651	FbaA	651FbaA	Foster	FSL		1	0	20	2	6
651	FbbA	651FbbA	Foster	L		1	0	20	2	6
651	FbbA	651FbbA	Foster	FSL		1	0	20	2	6
651	FbcA	651FbcA	Foster	L		1	0	20	2	6
651	FbcA	651FbcA	Foster	FSL		1	0	20	2	6
651	FbdA	651FbdA	Foster	L		1	0	20	2	6
651	FbdA	651FbdA	Foster	FSL		1	0	20	2	6
651	FbdA	651FbdA	Foster	L		2	20	30	2	6
651	FbdA	651FbdA	Foster	L		2	20	30	2	6
651	FbdA	651FbdA	Foster	FSL		2	20	30	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
651	FbdA	651FbdA	Foster	FSL		2	20	30	2	6
651	FbdA	651FbdA	Foster	L		3	30	60	6	20
651	FbdA	651FbdA	Foster	L		3	30	60	6	20
651	FbdA	651FbdA	Foster	FSL		3	30	60	6	20
651	FbdA	651FbdA	Foster	FSL		3	30	60	6	20
651	FbeA	651FbeA	Foster	L		1	0	20	2	6
651	FbeA	651FbeA	Foster	FSL		1	0	20	2	6
651	FbeA	651FbeA	Foster	L		2	20	32	2	6
651	FbeA	651FbeA	Foster	L		2	20	40	2	6
651	FbeA	651FbeA	Foster	FSL		2	20	32	2	6
651	FbeA	651FbeA	Foster	FSL		2	20	40	2	6
651	FcbA	651FcbA	Foster	L		1	0	20	2	6
651	FcbA	651FcbA	Foster	FSL		1	0	20	2	6
651	FcbA	651FcbA	Foster	L		2	20	32	2	6
651	FcbA	651FcbA	Foster	L		2	20	40	2	6
651	FcbA	651FcbA	Foster	FSL		2	20	32	2	6
651	FcbA	651FcbA	Foster	FSL		2	20	40	2	6
651	GaA	651GaA	Grangeville	FSL		1	0	11	2	6
651	GaA	651GaA	Grangeville	FSL		2	11	20	2	6
651	GaA	651GaA	Grangeville	FSL		3	20	60	2	6
651	GbA	651GbA	Grangeville	FSL		1	0	11	2	6
651	GbA	651GbA	Grangeville	FSL		2	11	20	2	6
651	GbA	651GbA	Grangeville	FSL		3	20	60	2	6
651	GcA	651GcA	Grangeville	FSL		1	0	11	2	6
651	GdA	651GdA	Grangeville	FSL		1	0	11	2	6
651	GeA	651GeA	Grangeville	FSL		1	0	11	2	6
651	GeA	651GeA	Grangeville	FSL		2	11	20	2	6
651	GeA	651GeA	Grangeville	FSL		3	20	40	2	6
651	GfA	651GfA	Grangeville	FSL	THICK	1	0	11	2	6
651	GfA	651GfA	Grangeville	FSL	THICK	2	11	40	2	6
651	GhA	651GhA	Grangeville	FSL	THICK	1	0	11	2	6
651	GhA	651GhA	Grangeville	FSL	THICK	2	11	40	2	6
651	GkA	651GkA	Grangeville	FSL	THICK	1	0	10	2	6
651	GkA	651GkA	Grangeville	FSL	THICK	2	10	40	2	6
651	GmA	651GmA	Grangeville	SL		1	0	11	2	6
651	GmA	651GmA	Grangeville	SL		2	11	20	2	6
651	GmA	651GmA	Grangeville	SL		3	20	60	2	6
651	GnA	651GnA	Grangeville	SL		1	0	11	2	6
651	GnA	651GnA	Grangeville	SL		2	11	20	2	6
651	GnA	651GnA	Grangeville	SL		3	20	60	2	6
651	Gp	651Gp	Gravel Pits	GRX-COS		1	0	6	6	20
651	Gp	651Gp	Gravel Pits	GRX-COS		2	6	60	6	20
651	GrA	651GrA	Greenfield	COSL		1	0	23	2	6
651	GrA	651GrA	Greenfield	COSL		2	23	51	2	6
651	GrA	651GrA	Greenfield	COSL		3	51	72	2	6
651	GrB	651GrB	Greenfield	COSL		1	0	23	2	6
651	GrB	651GrB	Greenfield	COSL		2	23	51	2	6
651	GrB	651GrB	Greenfield	COSL		3	51	72	2	6
651	GsA	651GsA	Greenfield	FSL		1	0	23	2	6
651	GsA	651GsA	Greenfield	FSL		2	23	51	2	6
651	GsA	651GsA	Greenfield	FSL		3	51	72	2	6
651	GsB	651GsB	Greenfield	FSL		1	0	23	2	6
651	GsB	651GsB	Greenfield	FSL		2	23	51	2	6
651	GsB	651GsB	Greenfield	FSL		3	51	72	2	6
651	GuA	651GuA	Greenfield	SL		1	0	23	2	6
651	GuA	651GuA	Greenfield	SL		2	23	51	2	6
651	GuA	651GuA	Greenfield	SL		3	51	72	2	6
651	GuB	651GuB	Greenfield	SL		1	0	23	2	6
651	GuB	651GuB	Greenfield	SL		2	23	51	2	6
651	GuB	651GuB	Greenfield	SL		3	51	72	2	6
651	GvA	651GvA	Greenfield	SL	THICK	1	0	23	2	6
651	GvA	651GvA	Greenfield	SL	THICK	2	23	40	2	6
651	GvB	651GvB	Greenfield	SL	THICK	1	0	23	2	6
651	GvB	651GvB	Greenfield	SL	THICK	2	23	40	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
651	HaA	651HaA	Hanford	FSL		1	0	12	2	6
651	HaA	651HaA	Hanford	FSL		2	12	36	2	6
651	HaA	651HaA	Hanford	FSL		3	36	60	2	6
651	HbA	651HbA	Hanford	FSL	THICK	1	0	12	2	6
651	HbA	651HbA	Hanford	FSL	THICK	2	12	40	2	6
651	HcA	651HcA	Hanford (ripperdan)	FSL		1	0	10	2	6
651	HcA	651HcA	Hanford (ripperdan)	FSL		2	10	26	2	6
651	HdA	651HdA	Hanford (ripperdan)	FSL		1	0	10	2	6
651	HdA	651HdA	Hanford (ripperdan)	FSL		2	10	26	2	6
651	HeB	651HeB	Hanford	GR-SL		1	0	12	2	6
651	HeB	651HeB	Hanford	GR-SL		2	12	60	2	6
651	HfA	651HfA	Hanford	SL		1	0	12	2	6
651	HfA	651HfA	Hanford	SL		2	12	36	2	6
651	HfA	651HfA	Hanford	SL		3	36	60	2	6
651	HgA	651HgA	Hanford	SL	THICK	1	0	12	2	6
651	HgA	651HgA	Hanford	SL	THICK	2	12	36	2	6
651	HhA	651HhA	Hanford	SL		1	0	12	2	6
651	HhA	651HhA	Hanford	SL		2	12	24	2	6
651	HhA	651HhA	Hanford	SL		3	24	60	6	20
651	HoD	651HoD	Holland	SL		1	0	11	2	6
651	HoE	651HoE	Holland	SL		1	0	11	2	6
651	HrE	651HrE	Holland	SL		1	0	11	2	6
651	HsB	651HsB	Hornitos	GR-SL		1	0	9	2	6
651	HsD	651HsD	Hornitos	GR-SL		1	0	9	2	6
651	HvD	651HvD	Hornitos	GR-SL		1	0	9	2	6
651	HvD	651HvD	Rock Outcrop			1	0	9	2	6
651	MaA	651MaA	Madera	FSL	THICK	1	0	9	2	6
651	McA	651McA	Alamo	C	THICK	1	0	9	2	6
651	McA	651McA	Madera	FSL	THICK	1	0	9	2	6
651	MdA	651MdA	Lewis	FSL	THIN	1	0	9	2	6
651	MdA	651MdA	Madera	FSL	THICK	1	0	9	2	6
651	MtB	651MtB	Montpellier	COSL		1	0	11	2	6
651	MtC	651MtC	Montpellier	COSL		1	0	11	2	6
651	PeA	651PeA	Pachappa	SL	THICK	1	0	14	2	6
651	PeA	651PeA	Pachappa	SL	THICK	2	14	40	2	6
651	RaA	651RaA	Ramona	SL		3	42	60	2	6
651	RaB	651RaB	Ramona	SL		3	42	60	2	6
651	Rk	651Rk	Hornitos	GR-SL		1	0	19	2	6
651	Rk	651Rk	Rockland	UWB		1	0	19	2	6
651	ScB	651ScB	San Joaquin	SL	THICK	1	0	19	2	6
651	ScB	651ScB	Whitney	FSL		1	0	19	2	6
651	SnB	651SnB	Rock Outcrop	UWB		1	0	8	2	6
651	SnB	651SnB	Sesame	SL		1	0	8	2	6
651	SyB	651SyB	Sesame	SL		1	0	8	2	6
651	TgF	651TgF	Tollhouse	COSL		1	0	20	2	6
651	TuB	651TuB	Trigo	FSL		1	0	3	2	6
651	TuB	651TuB	Trigo	FSL		2	3	16	2	6
651	TuC	651TuC	Trigo	FSL		1	0	3	2	6
651	TuC	651TuC	Trigo	FSL		2	3	16	2	6
651	TvB	651TvB	Cometa	SL		1	0	3	2	6
651	TvB	651TvB	Cometa	SL		2	3	16	2	6
651	TvB	651TvB	Trigo	SL		1	0	3	2	6
651	TvB	651TvB	Trigo	SL		2	3	16	2	6
651	TwA	651TwA	Tujunga	LS		1	0	11	6	20
651	TwA	651TwA	Tujunga	LS		2	11	24	6	20
651	TwA	651TwA	Tujunga	LS		3	24	60	6	20
651	TwB	651TwB	Tujunga	LS		1	0	11	6	20
651	TwB	651TwB	Tujunga	LS		2	11	24	6	20
651	TwB	651TwB	Tujunga	LS		3	24	60	6	20
651	TxA	651TxA	Tujunga	LS	THIN	1	0	11	6	20
651	TxA	651TxA	Tujunga	LS	THIN	4	45	60	6	20
651	TyA	651TyA	Tujunga	LS		1	0	11	6	20
651	TyA	651TyA	Tujunga	LS		2	11	30	6	20
651	TzB	651TzB	Hanford	SL		1	0	7	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
651	TzB	651TzB	Hanford	SL		1	0	11	6	20
651	TzB	651TzB	Hanford	SL		2	7	27	2	6
651	TzB	651TzB	Hanford	SL		2	11	24	6	20
651	TzB	651TzB	Hanford	SL		3	27	60	2	6
651	TzB	651TzB	Hanford	SL		3	24	60	6	20
651	TzB	651TzB	Tujunga	LS		1	0	7	2	6
651	TzB	651TzB	Tujunga	LS		1	0	11	6	20
651	TzB	651TzB	Tujunga	LS		2	7	27	2	6
651	TzB	651TzB	Tujunga	LS		2	11	24	6	20
651	TzB	651TzB	Tujunga	LS		3	27	60	2	6
651	TzB	651TzB	Tujunga	LS		3	24	60	6	20
651	VaA	651VaA	Visalia	FSL		1	0	12	2	6
651	VaA	651VaA	Visalia	FSL		2	12	35	2	6
651	VaA	651VaA	Visalia	FSL		3	35	60	2	6
651	VdA	651VdA	Visalia	SL		1	0	12	2	6
651	VdA	651VdA	Visalia	SL		2	12	35	2	6
651	VdA	651VdA	Visalia	SL		3	35	60	2	6
651	VnA	651VnA	Visalia	SL		1	0	12	2	6
651	VnA	651VnA	Visalia	SL		2	12	30	2	6
651	VnA	651VnA	Visalia	SL		3	30	60	6	20
651	VsB	651VsB	Sesame	SL		1	0	8	2	6
651	VsB	651VsB	Sesame	SL		1	0	12	2	6
651	VsB	651VsB	Sesame	SL		2	12	36	2	6
651	VsB	651VsB	Vista	COSL		1	0	8	2	6
651	VsB	651VsB	Vista	COSL		1	0	12	2	6
651	VsB	651VsB	Vista	COSL		2	12	36	2	6
651	WfB	651WfB	Whitney	FSL		1	0	19	2	6
651	WfC	651WfC	Whitney	FSL		1	0	19	2	6
651	WmA	651WmA	Whitney	SL		1	0	19	2	6
651	WmB	651WmB	Whitney	SL		1	0	19	2	6
651	WmC	651WmC	Whitney	SL		1	0	19	2	6
651	WnD	651WnD	Whitney	SL		1	0	19	2	6
651	WoC	651WoC	Rocklin	SL	THICK	1	0	19	2	6
651	WoC	651WoC	Whitney	SL		1	0	19	2	6
651	WrB	651WrB	Rocklin	SL	THICK	1	0	19	2	6
651	WrB	651WrB	Whitney	SL		1	0	19	2	6
651	WrC	651WrC	Rocklin	SL	THICK	1	0	19	2	6
651	WrC	651WrC	Whitney	SL		1	0	19	2	6
651	WtB	651WtB	Trigo	FSL		1	0	3	2	6
651	WtB	651WtB	Trigo	FSL		2	3	16	2	6
651	WtB	651WtB	Whitney	FSL	THICK	1	0	3	2	6
651	WtB	651WtB	Whitney	FSL	THICK	2	3	16	2	6
651	WyB	651WyB	Wunjey	FSL		1	0	12	2	6
654	AcB	654AcB	Ahwahnee	COSL		1	0	10	2	6
654	AcB	654AcB	Ahwahnee	COSL		2	10	36	2	6
654	AcC	654AcC	Ahwahnee	COSL		1	0	10	2	6
654	AcC	654AcC	Ahwahnee	COSL		2	10	36	2	6
654	AcD	654AcD	Ahwahnee	COSL		1	0	10	2	6
654	AcD	654AcD	Ahwahnee	COSL		2	10	36	2	6
654	AcE	654AcE	Ahwahnee	COSL		1	0	10	2	6
654	AcE	654AcE	Ahwahnee	COSL		2	10	36	2	6
654	AdD	654AdD	Ahwahnee	COSL		1	0	10	2	6
654	AdD	654AdD	Ahwahnee	COSL		2	10	36	2	6
654	AdD	654AdD	Rock Outcrop	UWB		1	0	10	2	6
654	AdD	654AdD	Rock Outcrop	UWB		2	10	36	2	6
654	AdE	654AdE	Ahwahnee	COSL		1	0	10	2	6
654	AdE	654AdE	Ahwahnee	COSL		2	10	36	2	6
654	AdE	654AdE	Rock Outcrop	UWB		1	0	10	2	6
654	AdE	654AdE	Rock Outcrop	UWB		2	10	36	2	6
654	AdF	654AdF	Ahwahnee	COSL		1	0	10	2	6
654	AdF	654AdF	Ahwahnee	COSL		2	10	36	2	6
654	AdF	654AdF	Rock Outcrop	UWB		1	0	10	2	6
654	AdF	654AdF	Rock Outcrop	UWB		2	10	36	2	6
654	AeD	654AeD	Ahwahnee	COSL		1	0	10	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
654	AeD	654AeD	Ahwahnee	COSL		2	10	20	2	6
654	AeD	654AeD	Rock Outcrop	UWB		1	0	10	2	6
654	AeD	654AeD	Rock Outcrop	UWB		2	10	20	2	6
654	AeF	654AeF	Ahwahnee	COSL		1	0	10	2	6
654	AeF	654AeF	Ahwahnee	COSL		2	10	20	2	6
654	AeF	654AeF	Rock Outcrop	UWB		1	0	10	2	6
654	AeF	654AeF	Rock Outcrop	UWB		2	10	20	2	6
654	AhD	654AhD	Ahwahnee	COSL		1	0	10	2	6
654	AhD	654AhD	Ahwahnee	COSL		2	10	36	2	6
654	AhD	654AhD	Sierra	COSL		1	0	10	2	6
654	AhD	654AhD	Sierra	COSL		2	10	36	2	6
654	AhE	654AhE	Ahwahnee	COSL		1	0	10	2	6
654	AhE	654AhE	Ahwahnee	COSL		2	10	36	2	6
654	AhE	654AhE	Sierra	COSL		1	0	10	2	6
654	AhE	654AhE	Sierra	COSL		2	10	36	2	6
654	AkF	654AkF	Ahwahnee	COSL		1	0	18	2	6
654	AkF	654AkF	Ahwahnee	COSL		1	0	10	2	6
654	AkF	654AkF	Ahwahnee	COSL		2	10	36	2	6
654	AkF	654AkF	Rock Land	UWB		1	0	18	2	6
654	AkF	654AkF	Rock Land	UWB		1	0	10	2	6
654	AkF	654AkF	Rock Land	UWB		2	10	36	2	6
654	AkF	654AkF	Tollhouse	COSL		1	0	18	2	6
654	AkF	654AkF	Tollhouse	COSL		1	0	10	2	6
654	AkF	654AkF	Tollhouse	COSL		2	10	36	2	6
654	AoA	654AoA	Atwater	LS		1	0	24	6	20
654	AoA	654AoA	Atwater	LS		2	24	43	2	6
654	AoA	654AoA	Atwater	LS		3	43	60	2	6
654	AoB	654AoB	Atwater	LS		1	0	24	6	20
654	AoB	654AoB	Atwater	LS		2	24	43	2	6
654	AoB	654AoB	Atwater	LS		3	43	60	2	6
654	ApA	654ApA	Atwater	LS	THICK	1	0	24	6	20
654	ApA	654ApA	Atwater	LS	THICK	2	24	40	2	6
654	ArA	654ArA	Atwater	SL		1	0	24	2	6
654	ArA	654ArA	Atwater	SL		2	24	43	2	6
654	ArA	654ArA	Atwater	SL		3	43	60	2	6
654	ArB	654ArB	Atwater	SL		1	0	24	2	6
654	ArB	654ArB	Atwater	SL		2	24	43	2	6
654	ArB	654ArB	Atwater	SL		3	43	60	2	6
654	AsA	654AsA	Atwater	SL		1	0	24	2	6
654	AsA	654AsA	Atwater	SL		2	24	36	2	6
654	AtA	654AtA	Atwater	SL	THICK	1	0	24	2	6
654	AtA	654AtA	Atwater	SL	THICK	2	24	40	2	6
654	AuB	654AuB	Auberry	SL		1	0	12	2	6
654	AuB	654AuB	Auberry	SL		4	35	42	2	6
654	AuB2	654AuB2	Auberry	COSL		1	0	10	2	6
654	AuB2	654AuB2	Auberry	COSL		4	33	40	2	6
654	AuC	654AuC	Auberry	COSL		1	0	12	2	6
654	AuC	654AuC	Auberry	COSL		4	35	42	2	6
654	AuC2	654AuC2	Auberry	COSL		1	0	10	2	6
654	AuC2	654AuC2	Auberry	COSL		4	33	40	2	6
654	AuD	654AuD	Auberry	COSL		1	0	12	2	6
654	AuD	654AuD	Auberry	COSL		4	35	42	2	6
654	AuD2	654AuD2	Auberry	COSL		1	0	10	2	6
654	AuD2	654AuD2	Auberry	COSL		4	33	40	2	6
654	AuE	654AuE	Auberry	COSL		1	0	12	2	6
654	AuE	654AuE	Auberry	COSL		4	35	42	2	6
654	AuF	654AuF	Auberry	COSL		1	0	12	2	6
654	AuF	654AuF	Auberry	COSL		4	35	40	2	6
654	AvD	654AvD	Auberry	COSL		1	0	12	2	6
654	AvD	654AvD	Auberry	COSL		4	35	42	2	6
654	AvD	654AvD	Rock Outcrop	UWB		1	0	12	2	6
654	AvD	654AvD	Rock Outcrop	UWB		4	35	42	2	6
654	AvE	654AvE	Auberry	COSL		1	0	12	2	6
654	AvE	654AvE	Auberry	COSL		4	35	42	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
654	AvE	654AvE	Rock Outcrop	UWB		1	0	12	2	6
654	AvE	654AvE	Rock Outcrop	UWB		4	35	42	2	6
654	AvF	654AvF	Auberry	COSL		1	0	12	2	6
654	AvF	654AvF	Auberry	COSL		4	35	40	2	6
654	AvF	654AvF	Rock Outcrop	UWB		1	0	12	2	6
654	AvF	654AvF	Rock Outcrop	UWB		4	35	40	2	6
654	AwF	654AwF	Auberry	COSL		1	0	12	2	6
654	AwF	654AwF	Auberry	COSL		3	16	21	2	6
654	AwF	654AwF	Rock Outcrop	UWB		1	0	12	2	6
654	AwF	654AwF	Rock Outcrop	UWB		3	16	21	2	6
654	AxD	654AxD	Auberry	COSL		1	0	12	2	6
654	AxD	654AxD	Auberry	COSL		4	35	42	2	6
654	AxD	654AxD	Sierra	COSL		1	0	12	2	6
654	AxD	654AxD	Sierra	COSL		4	35	42	2	6
654	AxE	654AxE	Auberry	COSL		1	0	12	2	6
654	AxE	654AxE	Auberry	COSL		4	35	42	2	6
654	AxE	654AxE	Sierra	COSL		1	0	12	2	6
654	AxE	654AxE	Sierra	COSL		4	35	42	2	6
654	AxF	654AxF	Auberry	COSL		1	0	12	2	6
654	AxF	654AxF	Auberry	COSL		4	35	42	2	6
654	AxF	654AxF	Sierra	COSL		1	0	12	2	6
654	AxF	654AxF	Sierra	COSL		4	35	42	2	6
654	AyF	654AyF	Auberry	COSL		1	0	12	2	6
654	AyF	654AyF	Auberry	COSL		4	35	42	2	6
654	AyF	654AyF	Rock Outcrop	UWB		1	0	12	2	6
654	AyF	654AyF	Rock Outcrop	UWB		4	35	42	2	6
654	AyF	654AyF	Sierra	COSL		1	0	12	2	6
654	AyF	654AyF	Sierra	COSL		4	35	42	2	6
654	AzF	654AzF	Auberry	COSL		1	0	18	2	6
654	AzF	654AzF	Auberry	COSL		1	0	12	2	6
654	AzF	654AzF	Auberry	COSL		4	35	40	2	6
654	AzF	654AzF	Rock Land	UWB		1	0	18	2	6
654	AzF	654AzF	Rock Land	UWB		1	0	12	2	6
654	AzF	654AzF	Rock Land	UWB		4	35	40	2	6
654	AzF	654AzF	Tollhouse	COSL		1	0	18	2	6
654	AzF	654AzF	Tollhouse	COSL		1	0	12	2	6
654	AzF	654AzF	Tollhouse	COSL		4	35	40	2	6
654	Ca	654Ca	Cajon	LCOS		1	0	2	6	20
654	Ca	654Ca	Cajon	LCOS		2	2	60	6	20
654	Cb	654Cb	Cajon	LCOS		1	0	2	6	20
654	Cb	654Cb	Cajon	LCOS		2	2	60	6	20
654	Cc	654Cc	Cajon	COSL		1	0	12	2	6
654	Cc	654Cc	Cajon	COSL		2	12	60	6	20
654	Cd	654Cd	Cajon	COSL		1	0	12	2	6
654	Cd	654Cd	Cajon	COSL		2	12	60	6	20
654	Ce	654Ce	Cajon	COSL		1	0	7	2	6
654	Ce	654Ce	Cajon	COSL		2	7	40	6	20
654	CfA	654CfA	Calhi	LS		1	0	11	6	20
654	CfA	654CfA	Calhi	LS		2	11	54	6	20
654	CfA	654CfA	Calhi	LS		3	54	60	6	20
654	CfB	654CfB	Calhi	LS		1	0	11	6	20
654	CfB	654CfB	Calhi	LS		2	11	54	6	20
654	CfB	654CfB	Calhi	LS		3	54	60	6	20
654	CgA	654CgA	Calhi			1	0	11	6	20
654	CgA	654CgA	Calhi			2	11	40	6	20
654	Cl	654Cl	Chino	SL		1	0	12	2	6
654	CxC	654CxC	Coarsegold	FSL		1	0	8	2	6
654	CxD	654CxD	Coarsegold	FSL		1	0	8	2	6
654	CxE	654CxE	Coarsegold	FSL		1	0	8	2	6
654	CxF	654CxF	Coarsegold	FSL		1	0	8	2	6
654	CyF	654CyF	Coarsegold	FSL		1	0	8	2	6
654	DeA	654DeA	Delhi	S		1	0	7	6	20
654	DeA	654DeA	Delhi	S		2	7	25	6	20
654	DeA	654DeA	Delhi	S		3	25	60	6	20

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
654	DeB	654DeB	Delhi	S		1	0	7	6	20
654	DeB	654DeB	Delhi	S		2	7	25	6	20
654	DeB	654DeB	Delhi	S		3	25	60	6	20
654	DhA	654DhA	Delhi	LS		1	0	7	6	20
654	DhA	654DhA	Delhi	LS		2	7	25	6	20
654	DhA	654DhA	Delhi	LS		3	25	60	6	20
654	DhB	654DhB	Delhi	LS		1	0	7	6	20
654	DhB	654DhB	Delhi	LS		2	7	25	6	20
654	DhB	654DhB	Delhi	LS		3	25	60	6	20
654	DlA	654DlA	Delhi	LS		1	0	7	6	20
654	DlA	654DlA	Delhi	LS		2	7	40	6	20
654	Dm	654Dm	Dello	LS		1	0	8	6	20
654	Dm	654Dm	Dello	LS		2	8	36	6	20
654	Dm	654Dm	Dello	LS		3	36	60	6	20
654	Dn	654Dn	Dello	SL		1	0	10	2	6
654	Dn	654Dn	Dello	SL		2	10	36	6	20
654	Dn	654Dn	Dello	SL		3	36	60	6	20
654	FaB	654FaB	Fallbrook	SL		1	0	11	2	6
654	FaC	654FaC	Fallbrook	SL		1	0	11	2	6
654	FaD	654FaD	Fallbrook	SL		1	0	11	2	6
654	FaE	654FaE	Fallbrook	SL		1	0	11	2	6
654	FbB	654FbB	Fallbrook	SL		1	0	11	2	6
654	FbD	654FbD	Fallbrook	SL		1	0	11	2	6
654	FcD	654FcD	Fallbrook	SL		1	0	11	2	6
654	FcD	654FcD	Rock Outcrop	UWB		1	0	11	2	6
654	FcF	654FcF	Fallbrook	SL		1	0	11	2	6
654	FcF	654FcF	Rock Outcrop	UWB		1	0	11	2	6
654	FdD	654FdD	Fallbrook	SL		1	0	11	2	6
654	FdD	654FdD	Rock Outcrop	UWB		1	0	11	2	6
654	FdF	654FdF	Fallbrook	SL		1	0	11	2	6
654	FdF	654FdF	Rock Outcrop	UWB		1	0	11	2	6
654	FeE	654FeE	Fallbrook	SL		1	0	11	2	6
654	FeE	654FeE	Rock Outcrop	UWB		1	0	11	2	6
654	Fm	654Fm	Foster	SL		1	0	16	2	6
654	FyD	654FyD	Friant	FSL		1	0	14	2	6
654	FyE	654FyE	Friant	FSL		1	0	14	2	6
654	Ga	654Ga	Grangeville	SL		1	0	8	2	6
654	Ga	654Ga	Grangeville	SL		2	8	60	2	6
654	Gd	654Gd	Grangeville	SL		1	0	8	2	6
654	Ge	654Ge	Grangeville	SL		1	0	8	2	6
654	Ge	654Ge	Grangeville	SL		2	8	40	2	6
654	Ge	654Ge	Grangeville	SL		3	40	60	6	20
654	Gf	654Gf	Grangeville	FSL		1	0	8	2	6
654	Gf	654Gf	Grangeville	FSL		2	8	60	2	6
654	Gg	654Gg	Grangeville	FSL		1	0	8	2	6
654	Gh	654Gh	Grangeville	FSL		1	0	8	2	6
654	Gh	654Gh	Grangeville	FSL		2	8	60	2	6
654	Gk	654Gk	Grangeville	FSL		1	0	8	2	6
654	Gl	654Gl	Grangeville	FSL		1	0	8	2	6
654	Gl	654Gl	Grangeville	FSL		2	8	36	2	6
654	Gl	654Gl	Grangeville	FSL		3	36	60	6	20
654	Gm	654Gm	Grangeville	FSL		1	0	8	2	6
654	Gm	654Gm	Grangeville	FSL		2	8	40	2	6
654	Gm	654Gm	Grangeville	FSL		3	40	60	6	20
654	Gn	654Gn	Grangeville	FSL	THICK	1	0	8	2	6
654	Gn	654Gn	Grangeville	FSL	THICK	2	8	40	2	6
654	Go	654Go	Grangeville	FSL	THICK	1	0	8	2	6
654	Gp	654Gp	Grangeville	SL		1	0	8	2	6
654	Gp	654Gp	Grangeville	SL		2	8	60	2	6
654	GsA	654GsA	Greenfield	COSL		1	0	16	2	6
654	GsA	654GsA	Greenfield	COSL		2	16	60	2	6
654	GtA	654GtA	Greenfield	SL		1	0	16	2	6
654	GtA	654GtA	Greenfield	SL		2	16	60	2	6
654	GtB	654GtB	Greenfield	SL		1	0	16	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
654	GtB	654GtB	Greenfield	SL		2	16	60	2	6
654	GuA	654GuA	Greenfield	SL	THICK	1	0	16	2	6
654	GuA	654GuA	Greenfield	SL	THICK	2	16	38	2	6
654	Ha	654Ha	Hanford	COSL		1	0	16	2	6
654	Ha	654Ha	Hanford	COSL		2	16	72	2	6
654	Hb	654Hb	Hanford	COSL	THICK	1	0	16	2	6
654	Hb	654Hb	Hanford	COSL	THICK	2	16	36	2	6
654	Hc	654Hc	Hanford	SL		1	0	16	2	6
654	Hc	654Hc	Hanford	SL		2	16	72	2	6
654	Hd	654Hd	Hanford	SL		1	0	16	2	6
654	Hd	654Hd	Hanford	SL		2	16	72	2	6
654	He	654He	Hanford	SL		1	0	16	2	6
654	He	654He	Hanford	SL		2	16	36	2	6
654	He	654He	Hanford	SL		3	36	72	2	6
654	Hf	654Hf	Hanford	SL		1	0	16	2	6
654	Hf	654Hf	Hanford	SL		2	16	27	2	6
654	Hf	654Hf	Hanford	SL		3	27	60	2	6
654	Hg	654Hg	Hanford	SL		1	0	16	2	6
654	Hg	654Hg	Hanford	SL		2	16	40	2	6
654	Hh	654Hh	Hanford	SL		1	0	16	2	6
654	Hh	654Hh	Hanford	SL		2	16	36	2	6
654	Hk	654Hk	Hanford	SL	THICK	1	0	16	2	6
654	Hk	654Hk	Hanford	SL	THICK	2	16	36	2	6
654	Hl	654Hl	Hanford	GR-SL		1	0	16	2	6
654	Hl	654Hl	Hanford	GR-SL		2	16	72	2	6
654	Hm	654Hm	Hanford	FSL		1	0	16	2	6
654	Hm	654Hm	Hanford	FSL		2	16	72	2	6
654	Hn	654Hn	Hanford	FSL		1	0	16	2	6
654	Hn	654Hn	Hanford	FSL		2	16	36	2	6
654	Hn	654Hn	Hanford	FSL		3	36	72	2	6
654	Ho	654Ho	Hanford	FSL		1	0	16	2	6
654	Ho	654Ho	Hanford	FSL		2	16	40	2	6
654	Hp	654Hp	Hanford	FSL		1	0	16	2	6
654	Hp	654Hp	Hanford	FSL		2	16	36	2	6
654	Hr	654Hr	Hanford	FSL	THICK	1	0	16	2	6
654	Hr	654Hr	Hanford	FSL	THICK	2	16	40	2	6
654	Hsa	654Hsa	Hesperia	COSL		1	0	11	2	6
654	Hsa	654Hsa	Hesperia	COSL		2	11	32	2	6
654	Hsa	654Hsa	Hesperia	COSL		3	32	60	2	6
654	Hsc	654Hsc	Hesperia	COSL		1	0	11	2	6
654	Hsc	654Hsc	Hesperia	COSL		2	11	32	2	6
654	Hsc	654Hsc	Hesperia	COSL		3	32	60	2	6
654	Hsd	654Hsd	Hesperia	SL		1	0	11	2	6
654	Hsd	654Hsd	Hesperia	SL		2	11	32	2	6
654	Hsd	654Hsd	Hesperia	SL		3	32	60	2	6
654	Hse	654Hse	Hesperia	SL		1	0	11	2	6
654	Hse	654Hse	Hesperia	SL		2	11	32	2	6
654	Hse	654Hse	Hesperia	SL		3	32	60	2	6
654	Hsm	654Hsm	Hesperia	SL		1	0	11	2	6
654	Hsm	654Hsm	Hesperia	SL		2	11	32	2	6
654	Hsm	654Hsm	Hesperia	SL		3	32	43	2	6
654	Hsn	654Hsn	Hesperia	SL		1	0	11	2	6
654	Hsn	654Hsn	Hesperia	SL		2	11	32	2	6
654	Hsn	654Hsn	Hesperia	SL		3	32	43	2	6
654	Hso	654Hso	Hesperia	SL		1	0	11	2	6
654	Hso	654Hso	Hesperia	SL		2	11	18	2	6
654	Hsp	654Hsp	Hesperia	SL		1	0	11	2	6
654	Hsp	654Hsp	Hesperia	SL		2	11	18	2	6
654	Hsr	654Hsr	Hesperia	FSL		1	0	11	2	6
654	Hsr	654Hsr	Hesperia	FSL		2	11	32	2	6
654	Hsr	654Hsr	Hesperia	FSL		3	32	60	2	6
654	Hss	654Hss	Hesperia	FSL		1	0	11	2	6
654	Hss	654Hss	Hesperia	FSL		2	11	32	2	6
654	Hss	654Hss	Hesperia	FSL		3	32	60	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
654	Hst	654Hst	Hesperia	FSL		1	0	11	2	6
654	Hst	654Hst	Hesperia	FSL		2	11	32	2	6
654	Hst	654Hst	Hesperia	FSL		3	32	43	2	6
654	Hsy	654Hsy	Hesperia	FSL		1	0	11	2	6
654	Hsy	654Hsy	Hesperia	FSL		2	11	32	2	6
654	Hsy	654Hsy	Hesperia	FSL		3	32	43	2	6
654	HvE	654HvE	Holland	COSL		1	0	10	2	6
654	HwA	654HwA	Honcut	FSL		1	0	12	2	6
654	HwA	654HwA	Honcut	FSL		2	12	30	2	6
654	HwA	654HwA	Honcut	FSL		3	30	60	2	6
654	HwB	654HwB	Honcut	FSL		1	0	12	2	6
654	HwB	654HwB	Honcut	FSL		2	12	30	2	6
654	HwB	654HwB	Honcut	FSL		3	30	60	2	6
654	HyA	654HyA	Honcut	FSL		1	0	12	2	6
654	HyA	654HyA	Honcut	FSL		2	12	24	2	6
654	HyA	654HyA	Honcut	FSL		3	24	60	2	6
654	HzA	654HzA	Honcut	FSL	THICK	1	0	12	2	6
654	HzA	654HzA	Honcut	FSL	THICK	2	12	30	2	6
654	LbB	654LbB	Los Robles	L		1	0	10	2	6
654	LbB	654LbB	Los Robles	L		3	38	60	2	6
654	LgB	654LgB	Los Robles	L		1	0	10	2	6
654	LgB	654LgB	Los Robles	L		3	30	60	2	6
654	LmA	654LmA	Los Robles	L		3	38	60	2	6
654	Ma	654Ma	Madera	SL	THICK	1	0	20	2	6
654	MnD	654MnD	Millerton	FSL		1	0	9	2	6
654	MnD	654MnD	Millerton	FSL		2	9	14	2	6
654	MnE	654MnE	Millerton	FSL		1	0	9	2	6
654	MnE	654MnE	Millerton	FSL		2	9	14	2	6
654	MnF	654MnF	Millerton	FSL		1	0	9	2	6
654	MnF	654MnF	Millerton	FSL		2	9	14	2	6
654	MnF2	654MnF2	Millerton	FSL		1	0	7	2	6
654	MnF2	654MnF2	Millerton	FSL		2	7	12	2	6
654	MoD	654MoD	Millerton	FSL		1	0	9	2	6
654	MoD	654MoD	Millerton	FSL		2	9	14	2	6
654	MoE	654MoE	Millerton	FSL		1	0	9	2	6
654	MoE	654MoE	Millerton	FSL		2	9	14	2	6
654	MoE	654MoE	Rock Outcrop	UWB		1	0	9	2	6
654	MoE	654MoE	Rock Outcrop	UWB		2	9	14	2	6
654	MoF	654MoF	Millerton	FSL		1	0	9	2	6
654	MoF	654MoF	Millerton	FSL		2	9	14	2	6
654	MoF	654MoF	Rock Outcrop	UWB		1	0	9	2	6
654	MoF	654MoF	Rock Outcrop	UWB		2	9	14	2	6
654	MpC	654MpC	Montpellier	COSL		1	0	16	2	6
654	MpC	654MpC	Montpellier	COSL		3	55	70	2	6
654	MpD	654MpD	Montpellier	COSL		1	0	16	2	6
654	MpD	654MpD	Montpellier	COSL		3	55	70	2	6
654	PmB	654PmB	Pollasky	SL		1	0	8	2	6
654	PmB	654PmB	Pollasky	SL		2	8	39	2	6
654	PmC	654PmC	Pollasky	SL		1	0	8	2	6
654	PmC	654PmC	Pollasky	SL		2	8	39	2	6
654	PmD	654PmD	Pollasky	SL		1	0	8	2	6
654	PmD	654PmD	Pollasky	SL		2	8	39	2	6
654	PnB	654PnB	Pollasky	FSL		1	0	8	2	6
654	PnB	654PnB	Pollasky	FSL		2	8	39	2	6
654	PnC	654PnC	Pollasky	FSL		1	0	8	2	6
654	PnC	654PnC	Pollasky	FSL		2	8	39	2	6
654	PoC	654PoC	Montpellier	COSL		1	0	16	2	6
654	PoC	654PoC	Montpellier	COSL		1	0	8	2	6
654	PoC	654PoC	Montpellier	COSL		2	8	39	2	6
654	PoC	654PoC	Montpellier	COSL		3	55	70	2	6
654	PoC	654PoC	Pollasky	SL		1	0	16	2	6
654	PoC	654PoC	Pollasky	SL		1	0	8	2	6
654	PoC	654PoC	Pollasky	SL		2	8	39	2	6
654	PoC	654PoC	Pollasky	SL		3	55	70	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
654	PoD	654PoD	Montpellier	COSL		1	0	16	2	6
654	PoD	654PoD	Montpellier	COSL		1	0	8	2	6
654	PoD	654PoD	Montpellier	COSL		2	8	39	2	6
654	PoD	654PoD	Montpellier	COSL		3	55	70	2	6
654	PoD	654PoD	Pollasky	SL		1	0	16	2	6
654	PoD	654PoD	Pollasky	SL		1	0	8	2	6
654	PoD	654PoD	Pollasky	SL		2	8	39	2	6
654	PoD	654PoD	Pollasky	SL		3	55	70	2	6
654	PpC	654PpC	Pollasky	SL		1	0	8	2	6
654	PpC	654PpC	Pollasky	SL		2	8	39	2	6
654	PpC	654PpC	Rocklin	SL	THICK	1	0	8	2	6
654	PpC	654PpC	Rocklin	SL	THICK	2	8	39	2	6
654	Pr	654Pr	Pond	SL		5	35	60	6	20
654	Pt	654Pt	Pond	FSL		5	35	60	6	20
654	Pv	654Pv	Pond	L		5	35	60	6	20
654	Ra	654Ra	Ramona	SL		4	38	60	2	6
654	Rb	654Rb	Ramona	SL	THICK	4	40	53	2	6
654	Rc	654Rc	Ramona	L		4	38	60	2	6
654	Rd	654Rd	Ramona	L		4	36	60	2	6
654	Rh	654Rh	Riverwash	COS		1	0	6	6	20
654	Rh	654Rh	Riverwash	COS		2	6	60	6	20
654	RlD	654RlD	Rocklin Variant	SL	THICK	2	9	13	0.6	6
654	Sa	654Sa	Sandy Alluvial Land	FSL		1	0	10	2	6
654	Sa	654Sa	Sandy Alluvial Land	FSL		2	10	42	2	6
654	Sb	654Sb	Sandy Alluvial Land	SL		1	0	4	2	6
654	Sb	654Sb	Sandy Alluvial Land	SL		2	4	54	2	6
654	Sb	654Sb	Sandy Alluvial Land	SL		3	54	77	2	6
654	SkB	654SkB	Sesame	SL		1	0	10	2	6
654	SkB	654SkB	Sesame	SL		3	22	30	2	6
654	SkC	654SkC	Sesame	SL		1	0	10	2	6
654	SkC	654SkC	Sesame	SL		3	22	30	2	6
654	SkD	654SkD	Sesame	SL		1	0	10	2	6
654	SkD	654SkD	Sesame	SL		3	22	30	2	6
654	SlB	654SlB	Sesame	L		3	22	30	2	6
654	SlC	654SlC	Sesame	L		3	22	30	2	6
654	SmE	654SmE	Shaver	COSL		1	0	14	2	6
654	SmE	654SmE	Shaver	COSL		2	14	60	2	6
654	StF	654StF	Rock Land	UWB		1	0	18	2	6
654	StF	654StF	Sierra	SL		1	0	18	2	6
654	StF	654StF	Tollhouse	GR-COSL		1	0	18	2	6
654	TmF	654TmF	Rock Outcrop	UWB		1	0	18	2	6
654	TmF	654TmF	Tollhouse	COSL		1	0	18	2	6
654	TvC	654TvC	Tretten	FSL		1	0	13	2	6
654	TvD	654TvD	Tretten	FSL		1	0	13	2	6
654	TvE	654TvE	Tretten	FSL		1	0	13	2	6
654	TvF	654TvF	Tretten	FSL		1	0	13	2	6
654	TwF	654TwF	Rock Outcrop	UWB		1	0	13	2	6
654	TwF	654TwF	Tretten	FSL		1	0	13	2	6
654	TzaA	654TzaA	Tujunga	S		1	0	4	6	20
654	TzaA	654TzaA	Tujunga	S		2	4	60	6	20
654	TzbA	654TzbA	Tujunga	LS		1	0	4	6	20
654	TzbA	654TzbA	Tujunga	LS		2	4	60	6	20
654	TzbB	654TzbB	Tujunga	LS		1	0	4	6	20
654	TzbB	654TzbB	Tujunga	LS		2	4	60	6	20
654	TzcA	654TzcA	Tujunga	LS		1	0	4	6	20
654	TzcA	654TzcA	Tujunga	LS		2	4	39	6	20
654	TzcA	654TzcA	Tujunga	LS		3	39	60	6	20
654	TzdA	654TzdA	Tujunga	GR-LS		1	0	4	6	20
654	TzdA	654TzdA	Tujunga	GR-LS		2	4	60	6	20
654	TzE	654TzE	Tretten	FSL		1	0	13	2	6
654	TzE	654TzE	Trimmer	L		1	0	13	2	6
654	TzeB	654TzeB	Tujunga	GR-S		1	0	4	6	20
654	TzeB	654TzeB	Tujunga	GR-S		2	4	60	6	20
654	TzF	654TzF	Tretten	FSL		1	0	13	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
654	TzF	654TzF	Trimmer	L		1	0	13	2	6
654	VaA	654VaA	Visalia	SL		1	0	10	2	6
654	VaA	654VaA	Visalia	SL		2	10	48	2	6
654	VaA	654VaA	Visalia	SL		3	48	60	2	6
654	VaB	654VaB	Visalia	SL		1	0	10	2	6
654	VaB	654VaB	Visalia	SL		2	10	48	2	6
654	VaB	654VaB	Visalia	SL		3	48	60	2	6
654	VdA	654VdA	Visalia	SL		1	0	10	2	6
654	VdA	654VdA	Visalia	SL		2	10	40	2	6
654	VeA	654VeA	Visalia	L		1	0	10	2	6
654	VeA	654VeA	Visalia	L		2	10	48	2	6
654	VeA	654VeA	Visalia	L		3	48	60	2	6
654	VfB	654VfB	Vista	COSL		1	0	15	2	6
654	VfB	654VfB	Vista	COSL		2	15	30	2	6
654	VfC	654VfC	Vista	COSL		1	0	15	2	6
654	VfC	654VfC	Vista	COSL		2	15	30	2	6
654	VfD	654VfD	Vista	COSL		1	0	15	2	6
654	VfD	654VfD	Vista	COSL		2	15	30	2	6
654	VfE	654VfE	Vista	COSL		1	0	15	2	6
654	VfE	654VfE	Vista	COSL		2	15	30	2	6
654	VfF	654VfF	Vista	COSL		1	0	10	2	6
654	VfF	654VfF	Vista	COSL		2	10	24	2	6
654	VgB	654VgB	Vista	COSL		1	0	15	2	6
654	VgD	654VgD	Vista	COSL		1	0	15	2	6
654	VgE	654VgE	Vista	COSL		1	0	15	2	6
654	VkD	654VkD	Rock Outcrop	UWB		1	0	15	2	6
654	VkD	654VkD	Rock Outcrop	UWB		2	15	30	2	6
654	VkD	654VkD	Vista	COSL		1	0	15	2	6
654	VkD	654VkD	Vista	COSL		2	15	30	2	6
654	VkE	654VkE	Rock Outcrop	UWB		1	0	15	2	6
654	VkE	654VkE	Rock Outcrop	UWB		2	15	30	2	6
654	VkE	654VkE	Vista	COSL		1	0	15	2	6
654	VkE	654VkE	Vista	COSL		2	15	30	2	6
654	VkF	654VkF	Rock Outcrop	UWB		1	0	15	2	6
654	VkF	654VkF	Vista	COSL		1	0	15	2	6
654	VlD	654VlD	Rock Outcrop	UWB		1	0	15	2	6
654	VlD	654VlD	Vista	COSL		1	0	15	2	6
654	VlF	654VlF	Rock Outcrop	UWB		1	0	15	2	6
654	VlF	654VlF	Vista	COSL		1	0	15	2	6
654	VmD	654VmD	Rock Outcrop	UWB		1	0	15	2	6
654	VmD	654VmD	Rock Outcrop	UWB		2	15	30	2	6
654	VmD	654VmD	Vista	COSL		1	0	15	2	6
654	VmD	654VmD	Vista	COSL		2	15	30	2	6
654	VnD	654VnD	Fallbrook	COSL		1	0	20	2	6
654	VnD	654VnD	Fallbrook	COSL		1	0	15	2	6
654	VnD	654VnD	Vista	COSL		1	0	20	2	6
654	VnD	654VnD	Vista	COSL		1	0	15	2	6
654	VoD	654VoD	Fallbrook	COSL		1	0	11	2	6
654	VoD	654VoD	Fallbrook	COSL		1	0	15	2	6
654	VoD	654VoD	Fallbrook	COSL		2	15	30	2	6
654	VoD	654VoD	Fallbrook	COSL		3	29	33	2	6
654	VoD	654VoD	Rock Outcrop	UWB		1	0	11	2	6
654	VoD	654VoD	Rock Outcrop	UWB		1	0	15	2	6
654	VoD	654VoD	Rock Outcrop	UWB		2	15	30	2	6
654	VoD	654VoD	Rock Outcrop	UWB		3	29	33	2	6
654	VoD	654VoD	Vista	COSL		1	0	11	2	6
654	VoD	654VoD	Vista	COSL		1	0	15	2	6
654	VoD	654VoD	Vista	COSL		2	15	30	2	6
654	VoD	654VoD	Vista	COSL		3	29	33	2	6
654	VoE	654VoE	Fallbrook	COSL		1	0	11	2	6
654	VoE	654VoE	Fallbrook	COSL		1	0	15	2	6
654	VoE	654VoE	Fallbrook	COSL		2	15	30	2	6
654	VoE	654VoE	Fallbrook	COSL		3	29	33	2	6
654	VoE	654VoE	Rock Outcrop	UWB		1	0	11	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
654	VoE	654VoE	Rock Outcrop	UWB		1	0	15	2	6
654	VoE	654VoE	Rock Outcrop	UWB		2	15	30	2	6
654	VoE	654VoE	Rock Outcrop	UWB		3	29	33	2	6
654	VoE	654VoE	Vista	COSL		1	0	11	2	6
654	VoE	654VoE	Vista	COSL		1	0	15	2	6
654	VoE	654VoE	Vista	COSL		2	15	30	2	6
654	VoE	654VoE	Vista	COSL		3	29	33	2	6
654	VsF	654VsF	Fallbrook	COSL		1	0	11	2	6
654	VsF	654VsF	Fallbrook	COSL		1	0	15	2	6
654	VsF	654VsF	Fallbrook	COSL		2	15	30	2	6
654	VsF	654VsF	Fallbrook	COSL		3	29	33	2	6
654	VsF	654VsF	Rock Outcrop	UWB		1	0	11	2	6
654	VsF	654VsF	Rock Outcrop	UWB		1	0	15	2	6
654	VsF	654VsF	Rock Outcrop	UWB		2	15	30	2	6
654	VsF	654VsF	Rock Outcrop	UWB		3	29	33	2	6
654	VsF	654VsF	Vista	COSL		1	0	11	2	6
654	VsF	654VsF	Vista	COSL		1	0	15	2	6
654	VsF	654VsF	Vista	COSL		2	15	30	2	6
654	VsF	654VsF	Vista	COSL		3	29	33	2	6
672	AdA	672AdA	Agueda	L		2	36	60	6	20
672	ArD	672ArD	Arnold	S		1	0	23	6	20
672	ArD	672ArD	Arnold	S		2	23	55	6	20
672	ArF	672ArF	Arnold	S		1	0	23	6	20
672	ArF	672ArF	Arnold	S		2	23	55	6	20
672	ArF3	672ArF3	Arnold	S		1	0	5	6	20
672	ArF3	672ArF3	Arnold	S		2	5	25	6	20
672	BaA	672BaA	Ballard	FSL		1	0	18	2	6
672	BaA	672BaA	Ballard	FSL		3	44	72	2	6
672	BaC	672BaC	Ballard	FSL		1	0	18	2	6
672	BaC	672BaC	Ballard	FSL		3	44	72	2	6
672	BaD	672BaD	Ballard	FSL		1	0	18	2	6
672	BaD	672BaD	Ballard	FSL		3	44	72	2	6
672	BbA	672BbA	Ballard	GR-FSL		1	0	18	2	6
672	BbA	672BbA	Ballard	GR-FSL		3	44	72	2	6
672	BbC	672BbC	Ballard	GR-FSL		1	0	18	2	6
672	BbC	672BbC	Ballard	GR-FSL		3	44	72	2	6
672	BbD	672BbD	Ballard	GR-FSL		1	0	18	2	6
672	BbD	672BbD	Ballard	GR-FSL		3	44	72	2	6
672	Be	672Be	Bayshore	L		3	40	60	6	20
672	BmA	672BmA	Betteravia	LS	THIN	1	0	36	6	20
672	BmA3	672BmA3	Betteravia	LS	THIN	1	0	20	6	20
672	BmC	672BmC	Betteravia	LS	THIN	1	0	36	6	20
672	BnB2	672BnB2	Betteravia Variant	LS		1	0	26	6	20
672	BnB2	672BnB2	Betteravia Variant	LS		3	38	50	2	6
672	BnB2	672BnB2	Betteravia Variant	LS		4	50	61	6	20
672	BnD2	672BnD2	Betteravia Variant	LS		1	0	26	6	20
672	BnD2	672BnD2	Betteravia Variant	LS		3	38	50	2	6
672	BnD2	672BnD2	Betteravia Variant	LS		4	50	61	6	20
672	Ca	672Ca	Camarillo	SL		1	0	31	2	6
672	Cb	672Cb	Camarillo	SL		1	0	31	2	6
672	CeC	672CeC	Chamise	SL		1	0	28	2	6
672	CeE2	672CeE2	Chamise	SL		1	0	16	2	6
672	CfD	672CfD	Chamise	SH-SL		1	0	18	2	6
672	CnB	672CnB	Coastal Beaches	FS		1	0	6	6	20
672	CnB	672CnB	Coastal Beaches	FS		2	6	60	6	20
672	CoB	672CoB	Cobbly Alluvial Land	GR-S		1	0	10	6	20
672	CoB	672CoB	Cobbly Alluvial Land	GR-S		2	10	60	2	6
672	CtA	672CtA	Corralitos	S		1	0	20	6	20
672	CtA	672CtA	Corralitos	S		2	20	60	6	20
672	CtD	672CtD	Corralitos	S		1	0	20	6	20
672	CtD	672CtD	Corralitos	S		2	20	60	6	20
672	CtD2	672CtD2	Corralitos	S		1	0	20	6	20
672	CtD2	672CtD2	Corralitos	S		2	20	60	6	20
672	CuA	672CuA	Corralitos	LS		1	0	32	6	20

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
672	CuA	672CuA	Corralitos	LS		2	32	60	6	20
672	CuC	672CuC	Corralitos	LS		1	0	32	6	20
672	CuC	672CuC	Corralitos	LS		2	32	60	6	20
672	CuD	672CuD	Corralitos	LS		1	0	32	6	20
672	CuD	672CuD	Corralitos	LS		2	32	60	6	20
672	DuE	672DuE	Dune Land	FS		1	0	6	6	20
672	DuE	672DuE	Dune Land	FS		2	6	60	6	20
672	EdA	672EdA	Elder	SL		1	0	23	2	6
672	EdA	672EdA	Elder	SL		2	23	35	2	6
672	EdA	672EdA	Elder	SL		3	35	72	2	6
672	EdA2	672EdA2	Elder	SL		1	0	23	2	6
672	EdA2	672EdA2	Elder	SL		2	23	35	2	6
672	EdA2	672EdA2	Elder	SL		3	35	72	2	6
672	EdC2	672EdC2	Elder	SL		1	0	23	2	6
672	EdC2	672EdC2	Elder	SL		2	23	35	2	6
672	EdC2	672EdC2	Elder	SL		3	35	72	2	6
672	EdD2	672EdD2	Elder	SL		1	0	23	2	6
672	EdD2	672EdD2	Elder	SL		2	23	35	2	6
672	EdD2	672EdD2	Elder	SL		3	35	72	2	6
672	EmA	672EmA	Elder	L		1	0	23	2	6
672	EmA	672EmA	Elder	L		2	23	72	2	6
672	EmC	672EmC	Elder	L		1	0	23	2	6
672	EmC	672EmC	Elder	L		2	23	72	2	6
672	EnA2	672EnA2	Elder	SH-L		1	0	23	2	6
672	EnA2	672EnA2	Elder	SH-L		2	23	72	2	6
672	EnC2	672EnC2	Elder	SH-L		1	0	23	2	6
672	EnC2	672EnC2	Elder	SH-L		2	23	72	2	6
672	EnD2	672EnD2	Elder	SH-L		1	0	23	2	6
672	EnD2	672EnD2	Elder	SH-L		2	23	72	2	6
672	GaA2	672GaA2	Garey	SL		1	0	27	2	6
672	GaC2	672GaC2	Garey	SL		1	0	27	2	6
672	GaE2	672GaE2	Garey	SL		1	0	27	2	6
672	GaE3	672GaE3	Garey	SL		1	0	10	2	6
672	GmD	672GmD	Gaviota	SL		1	0	13	2	6
672	GmD	672GmD	Gaviota	SL		2	13	20	2	6
672	GmE	672GmE	Gaviota	SL		1	0	13	2	6
672	GmE	672GmE	Gaviota	SL		2	13	20	2	6
672	GmG	672GmG	Gaviota	SL		1	0	13	2	6
672	GmG	672GmG	Gaviota	SL		2	13	20	2	6
672	MaA	672MaA	Marina	S		1	0	27	6	20
672	MaA	672MaA	Marina	S		3	50	88	6	20
672	MaC	672MaC	Marina	S		1	0	27	6	20
672	MaC	672MaC	Marina	S		3	50	88	6	20
672	MaE	672MaE	Marina	S		1	0	27	6	20
672	MaE	672MaE	Marina	S		3	50	88	6	20
672	MaE3	672MaE3	Marina	S		1	0	10	6	20
672	MaE3	672MaE3	Marina	S		3	33	60	6	20
672	MnA	672MnA	Metz	LS		1	0	17	6	20
672	MnA	672MnA	Metz	LS		2	17	72	6	20
672	MnC	672MnC	Metz	LS		1	0	17	6	20
672	MnC	672MnC	Metz	LS		2	17	72	6	20
672	MnC2	672MnC2	Metz	LS		1	0	17	6	20
672	MnC2	672MnC2	Metz	LS		2	17	72	6	20
672	MoA	672MoA	Metz	LS		1	0	17	6	20
672	MoA	672MoA	Metz	LS		2	17	72	6	20
672	Mr	672Mr	Mocho	SL		1	0	26	2	6
672	Ms	672Ms	Mocho	SL		1	0	26	2	6
672	Ms	672Ms	Mocho	SL		2	26	40	2	6
672	Ms	672Ms	Mocho	SL		3	40	60	6	20
672	Mt	672Mt	Mocho	SL		1	0	26	2	6
672	Mt	672Mt	Mocho	SL		2	26	40	2	6
672	Mt	672Mt	Mocho	SL		3	40	60	6	20
672	Mu	672Mu	Mocho	FSL		1	0	26	2	6
672	NrB	672NrB	Narlon	S		1	0	25	6	20

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
672	NrB	672NrB	Narlon	S		2	25	32	2	6
672	NsA	672NsA	Narlon	LS		1	0	15	2	6
672	NsA	672NsA	Narlon	LS		2	15	32	2	6
672	NsC	672NsC	Narlon	LS		1	0	15	2	6
672	NsC	672NsC	Narlon	LS		2	15	32	2	6
672	NsD	672NsD	Narlon	LS		1	0	15	2	6
672	NsD	672NsD	Narlon	LS		2	15	32	2	6
672	NvA	672NvA	Narlon Variant	S	THICK	1	0	26	6	20
672	NvC	672NvC	Narlon Variant	S	THICK	1	0	26	6	20
672	OcA	672OcA	Oceano	S		1	0	15	6	20
672	OcA	672OcA	Oceano	S		2	15	80	6	20
672	OcD	672OcD	Oceano	S		1	0	15	6	20
672	OcD	672OcD	Oceano	S		2	15	80	6	20
672	OcD3	672OcD3	Oceano	S		1	0	5	6	20
672	OcD3	672OcD3	Oceano	S		2	5	60	6	20
672	PtC	672PtC	Positas	FSL		1	0	21	2	6
672	PtD	672PtD	Positas	FSL		1	0	21	2	6
672	PtD3	672PtD3	Positas	FSL		1	0	10	2	6
672	PtE	672PtE	Positas	FSL		1	0	21	2	6
672	PuD	672PuD	Positas	CB-FSL		1	0	21	2	6
672	Rs	672Rs	Riverwash	S		1	0	6	6	20
672	Rs	672Rs	Riverwash	S		2	6	60	6	20
672	SfD	672SfD	San Andreas	FSL		1	0	15	2	6
672	SfD	672SfD	Tierra	SL		1	0	15	2	6
672	SfE	672SfE	San Andreas	FSL		1	0	15	2	6
672	SfE	672SfE	Tierra	SL		1	0	15	2	6
672	SfF3	672SfF3	San Andreas	FSL		1	0	15	2	6
672	SfF3	672SfF3	Tierra	SL		1	0	15	2	6
672	SfG	672SfG	San Andreas	FSL		1	0	15	2	6
672	SfG	672SfG	Tierra	SL		1	0	15	2	6
672	Sh	672Sh	Sandy Alluvial Land	S		1	0	10	6	20
672	Sh	672Sh	Sandy Alluvial Land	S		2	10	30	2	6
672	Sh	672Sh	Sandy Alluvial Land	S		3	30	60	2	6
672	Sk	672Sk	Sandy Alluvial Land	VAR		1	0	10	6	20
672	Sk	672Sk	Sandy Alluvial Land	VAR		2	10	30	2	6
672	Sk	672Sk	Sandy Alluvial Land	VAR		3	30	60	2	6
672	SnC	672SnC	Santa Ynez	GR-FSL		1	0	25	2	6
672	SnD	672SnD	Santa Ynez	GR-FSL		1	0	25	2	6
672	StA	672StA	Sorrento	SL		1	0	26	2	6
672	StC	672StC	Sorrento	SL		1	0	26	2	6
672	SuA	672SuA	Sorrento	SL		1	0	26	2	6
672	SuA	672SuA	Sorrento	SL		3	40	60	20	20
672	Sx	672Sx	Stutzville	LS		1	0	10	6	20
672	TaA	672TaA	Tangair	S		1	0	24	6	20
672	TaA	672TaA	Tangair	S		2	24	36	6	20
672	TaA	672TaA	Tangair	S		3	36	48	6	20
672	TaA	672TaA	Tangair	S		4	48	56	6	20
672	TaC	672TaC	Tangair	S		1	0	24	6	20
672	TaC	672TaC	Tangair	S		2	24	36	6	20
672	TaC	672TaC	Tangair	S		3	36	48	6	20
672	TaC	672TaC	Tangair	S		4	48	56	6	20
672	TmC	672TmC	Tierra	LS		1	0	18	6	20
672	TmE	672TmE	Tierra	LS		1	0	15	6	20
672	WaB	672WaB	Wasioja	FSL		1	0	26	2	6
672	WaB	672WaB	Wasioja	FSL		4	55	74	2	6
672	WaC	672WaC	Wasioja	FSL		1	0	26	2	6
672	WaC	672WaC	Wasioja	FSL		4	55	74	2	6
672	WaD	672WaD	Wasioja	FSL		1	0	26	2	6
672	WaD	672WaD	Wasioja	FSL		4	55	74	2	6
672	WcC	672WcC	Wasioja	CB-FSL		1	0	26	2	6
672	WcF	672WcF	Wasioja	CB-FSL		1	0	26	2	6
673	AbC	673AbC	Agueda	SICL		3	40	55	6	20
673	AbC	673AbC	Goleta	FSL		3	40	55	6	20
673	AgD	673AgD	Arnold	LS		1	0	58	6	20

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
673	AgE2	673AgE2	Arnold	LS		1	0	58	6	20
673	AgF2	673AgF2	Arnold	LS		1	0	58	6	20
673	AgG	673AgG	Arnold	LS		1	0	58	6	20
673	BbC	673BbC	Ballard Variant	ST-FSL		3	35	60	2	6
673	BcC	673BcC	Baywood	LS		1	0	62	6	20
673	Cb	673Cb	Camarillo Variant	FSL		1	0	7	2	6
673	Cb	673Cb	Camarillo Variant	FSL		2	7	35	0.2	6
673	CeB	673CeB	Concepcion	LS		1	0	23	2	6
673	ChC	673ChC	Cortina	ST-LS		1	0	9	6	20
673	ChC	673ChC	Cortina	ST-LS		2	9	44	2	6
673	ChC	673ChC	Cortina	ST-LS		3	44	60	6	20
673	Du	673Du	Dune Land	FS		1	0	6	6	20
673	Du	673Du	Dune Land	FS		2	6	60	6	20
673	Eb	673Eb	Elder	SL		1	0	17	20	20
673	Eb	673Eb	Elder	SL		2	17	60	20	20
673	Eb	673Eb	Soboba	ST-LS		1	0	17	20	20
673	Eb	673Eb	Soboba	ST-LS		2	17	60	20	20
673	Mc	673Mc	Metz	LS		1	0	16	2	6
673	Mc	673Mc	Metz	LS		2	16	66	6	20
673	MdC	673MdC	Milpitas	ST-FSL		3	54	68	6	20
673	MdD	673MdD	Milpitas	ST-FSL		3	54	68	6	20
673	MdE	673MdE	Milpitas	ST-FSL		3	54	68	6	20
673	MdF	673MdF	Milpitas	ST-FSL		3	54	68	6	20
673	MeC	673MeC	Milpitas	FSL		3	54	68	6	20
673	MeC	673MeC	Positas	FSL		3	54	68	6	20
673	MeD2	673MeD2	Milpitas	FSL		3	54	68	6	20
673	MeD2	673MeD2	Positas	FSL		3	54	68	6	20
673	MeE2	673MeE2	Milpitas	FSL		3	54	68	6	20
673	MeE2	673MeE2	Positas	FSL		3	54	68	6	20
673	MeF2	673MeF2	Milpitas	FSL		3	54	68	6	20
673	MeF2	673MeF2	Positas	FSL		3	54	68	6	20
673	SaD2	673SaD2	San Andreas	FSL		1	0	28	2	6
673	SaD2	673SaD2	Tierra	SL		1	0	28	2	6
673	SaE2	673SaE2	San Andreas	FSL		1	0	28	2	6
673	SaE2	673SaE2	Tierra	SL		1	0	28	2	6
673	SaF2	673SaF2	San Andreas	FSL		1	0	22	2	6
673	SaF2	673SaF2	Tierra	SL		1	0	22	2	6
673	TaE2	673TaE2	San Andreas	FSL		1	0	19	2	6
673	TaE2	673TaE2	Tierra	SL		1	0	19	2	6
674	AcA	674AcA	Anacapa	SL		1	0	35	2	6
674	AcA	674AcA	Anacapa	SL		2	35	60	2	6
674	AcC	674AcC	Anacapa	SL		1	0	35	2	6
674	AcC	674AcC	Anacapa	SL		2	35	60	2	6
674	AnC	674AnC	Anacapa	GR-SL		1	0	35	2	6
674	AnC	674AnC	Anacapa	GR-SL		2	35	60	2	6
674	AsF	674AsF	Arnold	S		1	0	24	6	20
674	AsF	674AsF	Arnold	S		2	24	65	6	20
674	CbF2	674CbF2	Arnold	S		1	0	15	6	20
674	CbF2	674CbF2	Arnold	S		2	15	50	6	20
674	CbF2	674CbF2	Calleguas	SH-L		1	0	15	6	20
674	CbF2	674CbF2	Calleguas	SH-L		2	15	50	6	20
674	Cc	674Cc	Camarillo	SL		1	0	24	2	6
674	Cc	674Cc	Camarillo	SL		3	50	80	2	6
674	Cd	674Cd	Camarillo	L		3	50	80	2	6
674	Ce	674Ce	Camarillo	L		3	40	80	2	6
674	ChD2	674ChD2	Chesterton	SL	THICK	1	0	10	2	6
674	CkE3	674CkE3	Chesterton	SL	THICK	1	0	5	2	6
674	CnB	674CnB	Coastal Beaches	FS		1	0	6	6	20
674	CnB	674CnB	Coastal Beaches	FS		2	6	60	6	20
674	CoA	674CoA	Corralitos	LS		1	0	18	6	20
674	CoA	674CoA	Corralitos	LS		2	18	57	6	20
674	CoC	674CoC	Corralitos	LS		1	0	18	6	20
674	CoC	674CoC	Corralitos	LS		2	18	57	6	20
674	CrC	674CrC	Cortina	ST-SL		1	0	36	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
674	CrC	674CrC	Cortina	ST-SL		2	36	60	2	6
674	CsD	674CsD	Cortina	STV-SL		1	0	36	2	6
674	CsD	674CsD	Cortina	STV-SL		2	36	60	2	6
674	GrF	674GrF	Gaviota	SL		1	0	8	2	6
674	GrF	674GrF	Rock Outcrop			1	0	8	2	6
674	Hm	674Hm	Hueneme	LS		1	0	17	2	6
674	Hm	674Hm	Hueneme	LS		2	17	60	2	6
674	Hn	674Hn	Hueneme	SL		1	0	17	2	6
674	Hn	674Hn	Hueneme	SL		2	17	65	2	6
674	McA	674McA	Metz	LFS		1	0	7	6	20
674	McA	674McA	Metz	LFS		2	7	60	6	20
674	McC	674McC	Metz	LFS		1	0	7	6	20
674	McC	674McC	Metz	LFS		2	7	60	6	20
674	MeA	674MeA	Metz	LS		1	0	7	6	20
674	MeA	674MeA	Metz	LS		2	7	60	6	20
674	MeC	674MeC	Metz	LS		1	0	7	6	20
674	MeC	674MeC	Metz	LS		2	7	60	6	20
674	MfA	674MfA	Metz	LS		1	0	7	6	20
674	MfA	674MfA	Metz	LS		2	7	24	6	20
674	MfA	674MfA	Metz	LS		3	24	60	2	6
674	PcA	674PcA	Pico	SL		1	0	14	2	6
674	PcA	674PcA	Pico	SL		2	14	54	2	6
674	PcA	674PcA	Pico	SL		3	54	60	6	20
674	PcC	674PcC	Pico	SL		1	0	14	2	6
674	PcC	674PcC	Pico	SL		2	14	54	2	6
674	PcC	674PcC	Pico	SL		3	54	60	6	20
674	PsA	674PsA	Pico	L		1	0	14	2	6
674	PsA	674PsA	Pico	L		2	14	30	2	6
674	PsA	674PsA	Pico	L		3	30	60	6	20
674	PxG	674PxG	Dumps	VAR		1	0	6	6	20
674	PxG	674PxG	Dumps	VAR		2	6	60	6	20
674	PxG	674PxG	Pits And Dumps	GRX-COS		1	0	6	6	20
674	PxG	674PxG	Pits And Dumps	GRX-COS		2	6	60	6	20
674	Rw	674Rw	Riverwash	S		1	0	6	6	20
674	Rw	674Rw	Riverwash	S		2	6	60	6	20
674	SbF	674SbF	San Andreas	SL		1	0	20	2	6
674	SbF	674SbF	San Andreas	SL		2	20	37	2	6
674	SbF	674SbF	San Andreas	SL		3	37	60	6	20
674	Sd	674Sd	Sandy Alluvial Land	LS		1	0	12	2	6
674	Sd	674Sd	Sandy Alluvial Land	LS		2	12	38	6	20
674	Sd	674Sd	Sandy Alluvial Land	LS		3	38	60	2	6
675	AaB	675AaB	Adelanto	LS		1	0	16	6	20
675	AaB	675AaB	Adelanto	LS		2	16	41	2	6
675	AaB	675AaB	Adelanto	LS		4	80	86	2	6
675	AcA	675AcA	Adelanto	COSL		1	0	16	2	6
675	AcA	675AcA	Adelanto	COSL		2	16	41	2	6
675	AcA	675AcA	Adelanto	COSL		4	80	86	2	6
675	AdB	675AdB	Adelanto	GR-SL		1	0	14	2	6
675	AdB	675AdB	Adelanto	GR-SL		2	14	41	2	6
675	AdB	675AdB	Adelanto	GR-SL		4	80	86	2	6
675	AgF	675AgF	Agua Dulce	ST-L		3	20	40	6	20
675	AmF2	675AmF2	Amargosa	COSL		1	0	13	2	6
675	AmF2	675AmF2	Amargosa	COSL		2	13	18	2	6
675	AmF2	675AmF2	Rock Outcrop	UWB		1	0	13	2	6
675	AmF2	675AmF2	Rock Outcrop	UWB		2	13	18	2	6
675	AsB	675AsB	Arizo	GR-LS		1	0	3	6	20
675	AsB	675AsB	Arizo	GR-LS		2	3	60	20	20
675	AtA	675AtA	Arizo	LFS		1	0	3	6	20
675	AtA	675AtA	Arizo	LFS		2	3	60	20	20
675	CaA	675CaA	Cajon	LS		1	0	9	6	20
675	CaA	675CaA	Cajon	LS		2	9	60	6	20
675	CaC	675CaC	Cajon	LS		1	0	9	6	20
675	CaC	675CaC	Cajon	LS		2	9	60	6	20
675	CbA	675CbA	Cajon	LS		1	0	9	6	20

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
675	CbA	675CbA	Cajon	LS		2	9	30	6	20
675	CcA2	675CcA2	Cajon	LFS		1	0	9	6	20
675	CcA2	675CcA2	Cajon	LFS		2	9	60	6	20
675	CcD2	675CcD2	Cajon	LFS		1	0	9	6	20
675	CcD2	675CcD2	Cajon	LFS		2	9	45	6	20
675	ChC	675ChC	Calvista	SL		1	0	6	6	20
675	ChC	675ChC	Calvista	SL		1	0	7	2	6
675	ChC	675ChC	Calvista	SL		2	7	16	2	6
675	ChC	675ChC	Hi Vista	LFS		1	0	6	6	20
675	ChC	675ChC	Hi Vista	LFS		1	0	7	2	6
675	ChC	675ChC	Hi Vista	LFS		2	7	16	2	6
675	ChE	675ChE	Calvista	SL		1	0	6	6	20
675	ChE	675ChE	Calvista	SL		1	0	7	2	6
675	ChE	675ChE	Calvista	SL		2	7	16	2	6
675	ChE	675ChE	Hi Vista	LFS		1	0	6	6	20
675	ChE	675ChE	Hi Vista	LFS		1	0	7	2	6
675	ChE	675ChE	Hi Vista	LFS		2	7	16	2	6
675	ChE	675ChE	Rock Outcrop	UWB		1	0	6	6	20
675	ChE	675ChE	Rock Outcrop	UWB		1	0	7	2	6
675	ChE	675ChE	Rock Outcrop	UWB		2	7	16	2	6
675	CyA	675CyA	Cortina	SL		1	0	12	2	6
675	CyA	675CyA	Cortina	SL		2	12	28	2	6
675	CyA	675CyA	Cortina	SL		3	28	60	6	20
675	CyC	675CyC	Cortina	SL		1	0	12	2	6
675	CyC	675CyC	Cortina	SL		2	12	28	2	6
675	CyC	675CyC	Cortina	SL		3	28	60	6	20
675	CzC	675CzC	Cortina	CB-SL		1	0	6	2	6
675	CzC	675CzC	Cortina	CB-SL		2	6	60	2	6
675	DuD	675DuD	Dune Land	FS		1	0	6	6	20
675	DuD	675DuD	Dune Land	FS		2	6	60	6	20
675	GaE2	675GaE2	Gaviota	SL		1	0	14	2	6
675	GaE2	675GaE2	Rock Outcrop	UWB		1	0	14	2	6
675	GaF2	675GaF2	Gaviota	SL		1	0	14	2	6
675	GaF2	675GaF2	Rock Outcrop	UWB		1	0	14	2	6
675	GsA	675GsA	Greenfield	SL		1	0	20	2	6
675	GsA	675GsA	Greenfield	SL		2	20	60	2	6
675	GsA	675GsA	Greenfield	SL		3	60	80	2	6
675	GsC	675GsC	Greenfield	SL		1	0	20	2	6
675	GsC	675GsC	Greenfield	SL		2	20	60	2	6
675	GsC	675GsC	Greenfield	SL		3	60	80	2	6
675	GsC2	675GsC2	Greenfield	SL		1	0	17	2	6
675	GsC2	675GsC2	Greenfield	SL		2	17	60	2	6
675	GsC2	675GsC2	Greenfield	SL		3	60	80	2	6
675	GsD2	675GsD2	Greenfield	SL		1	0	17	2	6
675	GsD2	675GsD2	Greenfield	SL		2	17	60	2	6
675	GsD2	675GsD2	Greenfield	SL		3	60	80	2	6
675	HaB2	675HaB2	Hanford	LS		1	0	8	6	20
675	HaB2	675HaB2	Hanford	LS		2	8	39	2	6
675	HaB2	675HaB2	Hanford	LS		3	39	70	2	6
675	HbA	675HbA	Hanford	COSL		1	0	8	2	6
675	HbA	675HbA	Hanford	COSL		2	8	39	2	6
675	HbA	675HbA	Hanford	COSL		3	39	70	2	6
675	HbC	675HbC	Hanford	COSL		1	0	8	2	6
675	HbC	675HbC	Hanford	COSL		2	8	39	2	6
675	HbC	675HbC	Hanford	COSL		3	39	70	2	6
675	HbD	675HbD	Hanford	COSL		1	0	8	2	6
675	HbD	675HbD	Hanford	COSL		2	8	39	2	6
675	HbD	675HbD	Hanford	COSL		3	39	70	2	6
675	HcA	675HcA	Hanford	SL		1	0	8	2	6
675	HcA	675HcA	Hanford	SL		2	8	70	2	6
675	HcC	675HcC	Hanford	SL		1	0	8	2	6
675	HcC	675HcC	Hanford	SL		2	8	70	2	6
675	HdC	675HdC	Hanford	GR-SL		1	0	8	2	6
675	HdC	675HdC	Hanford	GR-SL		2	8	70	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
675	HeC	675HeC	Hanford Variant	SL		1	0	16	2	6
675	HeC	675HeC	Hanford Variant	SL		2	16	36	2	6
675	HeC	675HeC	Hanford Variant	SL		3	36	56	2	6
675	HeC	675HeC	Hanford Variant	SL		4	56	80	2	6
675	HfA	675HfA	Hanford	L		1	0	8	2	6
675	HfA	675HfA	Hanford	L		2	8	70	2	6
675	HgA	675HgA	Hesperia	LFS		1	0	8	6	20
675	HgA	675HgA	Hesperia	LFS		2	8	54	2	6
675	HgA	675HgA	Hesperia	LFS		3	54	77	2	6
675	HgA2	675HgA2	Hesperia	LFS		1	0	8	6	20
675	HgA2	675HgA2	Hesperia	LFS		2	8	54	2	6
675	HgA2	675HgA2	Hesperia	LFS		3	54	77	2	6
675	HgB	675HgB	Hesperia	LFS		1	0	4	6	20
675	HgB	675HgB	Hesperia	LFS		2	4	54	2	6
675	HgB	675HgB	Hesperia	LFS		3	54	77	2	6
675	HkA	675HkA	Hesperia	FSL		1	0	4	2	6
675	HkA	675HkA	Hesperia	FSL		2	4	54	2	6
675	HkA	675HkA	Hesperia	FSL		3	54	77	2	6
675	HkB	675HkB	Hesperia	FSL		1	0	4	2	6
675	HkB	675HkB	Hesperia	FSL		2	4	54	2	6
675	HkB	675HkB	Hesperia	FSL		3	54	77	2	6
675	HmA	675HmA	Hesperia	FSL		1	0	4	2	6
675	HmA	675HmA	Hesperia	FSL		2	4	54	2	6
675	HnA	675HnA	Hesperia	L		2	10	54	2	6
675	HnA	675HnA	Hesperia	L		3	54	77	2	6
675	Me	675Me	Merrill	SL		1	0	10	2	6
675	MfA	675MfA	Metz	LS		1	0	7	6	20
675	MfA	675MfA	Metz	LS		2	7	60	6	20
675	MfC	675MfC	Metz	LS		1	0	7	6	20
675	MfC	675MfC	Metz	LS		2	7	60	6	20
675	MgA	675MgA	Metz	L		2	10	60	6	20
675	MgB	675MgB	Metz	VFSL		2	10	60	6	20
675	MoA	675MoA	Mocho	SL		1	0	12	2	6
675	MzB	675MzB	Mohave	SL		1	0	6	2	6
675	MzB	675MzB	Mohave	SL		3	30	60	6	20
675	OaC	675OaC	Oakdale	SL		1	0	25	2	6
675	OaC	675OaC	Oakdale	SL		3	70	80	2	6
675	ObA	675ObA	Oak Glen	SL		1	0	32	2	6
675	ObA	675ObA	Oak Glen	SL		2	32	60	2	6
675	ObC	675ObC	Oak Glen	SL		1	0	32	2	6
675	ObC	675ObC	Oak Glen	SL		2	32	60	2	6
675	OcC	675OcC	Oak Glen	GR-SL		1	0	32	2	6
675	OcC	675OcC	Oak Glen	GR-SL		2	32	60	2	6
675	OdA	675OdA	Oak Glen	L		2	46	60	2	6
675	OdC	675OdC	Oak Glen	L		2	40	60	2	6
675	Px	675Px	Oban	FSL		4	31	53	2	6
675	Px	675Px	Pond	FSL		4	31	53	2	6
675	RcA	675RcA	Ramona	COSL		1	0	20	2	6
675	RcB	675RcB	Ramona	COSL		1	0	20	2	6
675	RcC	675RcC	Ramona	COSL		1	0	20	2	6
675	RcD	675RcD	Ramona	COSL		1	0	20	2	6
675	RdE2	675RdE2	Ramona	SL		1	0	12	2	6
675	ReC	675ReC	Ramona	GR-SL		1	0	12	2	6
675	ReE	675ReE	Ramona	GR-SL		1	0	12	2	6
675	Rg	675Rg	Riverwash	S		1	0	6	6	20
675	Rg	675Rg	Riverwash	S		2	6	60	6	20
675	Rm	675Rm	Rosamond	LFS		1	0	15	2	6
675	Rm2	675Rm2	Rosamond	LFS		1	0	15	2	6
675	Ro	675Ro	Rosamond	FSL		1	0	8	2	6
675	Rs	675Rs	Rosamond	L		3	44	60	2	6
675	Sa	675Sa	Sandy Alluvial Land	S		1	0	10	6	20
675	Sa	675Sa	Sandy Alluvial Land	S		2	10	30	2	6
675	Sa	675Sa	Sandy Alluvial Land	S		3	30	60	2	6
675	ShE	675ShE	Sheridan	SL		1	0	21	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
675	ShE	675ShE	Sheridan	SL		2	21	32	2	6
675	ShE2	675ShE2	Sheridan	SL		1	0	15	2	6
675	ShE2	675ShE2	Sheridan	SL		2	15	26	2	6
675	ShF	675ShF	Sheridan	SL		1	0	21	2	6
675	ShF	675ShF	Sheridan	SL		2	21	32	2	6
675	ShF2	675ShF2	Sheridan	SL		1	0	15	2	6
675	ShF2	675ShF2	Sheridan	SL		2	15	26	2	6
675	SoB	675SoB	Soboba	CB-LS		1	0	3	20	20
675	SoB	675SoB	Soboba	CB-LS		2	3	60	20	20
675	Su	675Su	Sunrise	LFS	THICK	1	0	19	2	6
675	Sv	675Sv	Sunrise	SL	THICK	1	0	19	2	6
675	Sw	675Sw	Sunrise	SL	THICK	1	0	5	2	6
675	Tt2	675Tt2	Tray	FS		1	0	8	2	6
675	Tt2	675Tt2	Tray	FS		3	32	70	2	6
675	Tu	675Tu	Tray	SL		1	0	8	2	6
675	Tu	675Tu	Tray	SL		3	32	70	2	6
675	Tv	675Tv	Tray	SL		1	0	8	2	6
675	Tv	675Tv	Tray	SL		3	32	70	2	6
675	Tw	675Tw	Tray	L		3	32	70	2	6
675	VaA	675VaA	Vernalis	L		1	0	10	2	6
675	VsD2	675VsD2	Vista	COSL		1	0	14	2	6
675	VsD2	675VsD2	Vista	COSL		2	14	30	2	6
675	VsE	675VsE	Vista	COSL		1	0	16	2	6
675	VsE	675VsE	Vista	COSL		2	16	32	2	6
675	VsE2	675VsE2	Vista	COSL		1	0	12	2	6
675	VsE2	675VsE2	Vista	COSL		2	12	28	2	6
675	VsF	675VsF	Vista	COSL		1	0	16	2	6
675	VsF	675VsF	Vista	COSL		2	16	32	2	6
675	VsF2	675VsF2	Vista	COSL		1	0	12	2	6
675	VsF2	675VsF2	Vista	COSL		2	12	28	2	6
677	CnD	677CnD	Cieneba	SL		1	0	8	6	20
677	CnD	677CnD	Cieneba	SL		2	8	14	6	20
677	Cp	677Cp	Cieneba	SL		1	0	14	2	6
677	Cp	677Cp	Cieneba	SL		1	0	8	6	20
677	Cp	677Cp	Cieneba	SL		2	8	14	6	20
677	Cp	677Cp	Friant	SL		1	0	14	2	6
677	Cp	677Cp	Friant	SL		1	0	8	6	20
677	Cp	677Cp	Friant	SL		2	8	14	6	20
677	Cr	677Cr	Cieneba	SL		1	0	8	6	20
677	Cr	677Cr	Cieneba	SL		2	8	14	6	20
677	Cr	677Cr	Rock Outcrop	UWB		1	0	8	6	20
677	Cr	677Cr	Rock Outcrop	UWB		2	8	14	6	20
677	Cs2	677Cs2	Crafton	SL		1	0	10	2	6
677	Cs2	677Cs2	Crafton	SL		2	10	26	2	6
677	Cs2	677Cs2	Rock Outcrop	UWB		1	0	10	2	6
677	Cs2	677Cs2	Rock Outcrop	UWB		2	10	26	2	6
677	Db	677Db	Delhi	FS		1	0	18	6	20
677	Db	677Db	Delhi	FS		2	18	60	6	20
677	Fr	677Fr	Friant	FSL		1	0	14	2	6
677	Fr	677Fr	Rock Outcrop	UWB		1	0	14	2	6
677	Go	677Go	Gaviota	FSL		1	0	15	2	6
677	Go	677Go	Rock Outcrop	UWB		1	0	15	2	6
677	GP	677GP	Pits	GRX-COS		1	0	6	6	20
677	GP	677GP	Pits	GRX-COS		1	0	6	6	20
677	GP	677GP	Pits	GRX-COS		2	6	60	6	20
677	GP	677GP	Pits	GRX-COS		2	6	60	6	20
677	GP	677GP	Quarries	GRX-COS		1	0	6	6	20
677	GP	677GP	Quarries	GRX-COS		1	0	6	6	20
677	GP	677GP	Quarries	GRX-COS		2	6	60	6	20
677	GP	677GP	Quarries	GRX-COS		2	6	60	6	20
677	Gr	677Gr	Grangeville	FSL		1	0	12	2	6
677	Gr	677Gr	Grangeville	FSL		2	12	60	2	6
677	Gs	677Gs	Grangeville	FSL		1	0	12	2	6
677	GtC	677GtC	Greenfield	SL		1	0	16	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
677	GtC	677GtC	Greenfield	SL		2	16	50	2	6
677	GtC	677GtC	Greenfield	SL		3	50	60	2	6
677	GtD	677GtD	Greenfield	FSL		1	0	16	2	6
677	GtD	677GtD	Greenfield	FSL		2	16	50	2	6
677	GtD	677GtD	Greenfield	FSL		3	50	60	2	6
677	GuD	677GuD	Greenfield	COSL		1	0	16	2	6
677	GuD	677GuD	Greenfield	COSL		2	16	50	2	6
677	GuD	677GuD	Greenfield	COSL		3	50	60	2	6
677	HaC	677HaC	Hanford	SL		1	0	12	2	6
677	HaC	677HaC	Hanford	SL		2	12	60	2	6
677	HaD	677HaD	Hanford	SL		1	0	12	2	6
677	HaD	677HaD	Hanford	SL		2	12	60	2	6
677	HbA	677HbA	Hanford	SL		1	0	12	2	6
677	HbA	677HbA	Hanford	SL		2	12	60	2	6
677	Hr	677Hr	Hilmar	LFS		1	0	23	6	20
677	MgC	677MgC	Metz	COSL		1	0	19	2	6
677	MgC	677MgC	Metz	COSL		2	19	60	6	20
677	MoC	677MoC	Monserate	SL	THICK	1	0	10	2	6
677	MoC	677MoC	Monserate	SL	THICK	4	45	60	2	6
677	OaC	677OaC	Oak Glen	SL		1	0	20	2	6
677	OaC	677OaC	Oak Glen	SL		2	20	60	2	6
677	OgD	677OgD	Oak Glen	GR-SL		1	0	20	2	6
677	OgD	677OgD	Oak Glen	GR-SL		2	20	60	2	6
677	OgE	677OgE	Oak Glen	GR-SL		1	0	20	2	6
677	OgE	677OgE	Oak Glen	GR-SL		2	20	60	2	6
677	Ps	677Ps	Fluvents	GR-S		1	0	10	6	20
677	Ps	677Ps	Fluvents	GR-S		1	0	12	6	20
677	Ps	677Ps	Fluvents	GR-S		2	10	30	2	6
677	Ps	677Ps	Fluvents	GR-S		2	12	48	6	20
677	Ps	677Ps	Fluvents	GR-S		3	30	60	2	6
677	Ps	677Ps	Fluvents	GR-S		3	48	60	6	20
677	Ps	677Ps	Psamments	S		1	0	10	6	20
677	Ps	677Ps	Psamments	S		1	0	12	6	20
677	Ps	677Ps	Psamments	S		2	10	30	2	6
677	Ps	677Ps	Psamments	S		2	12	48	6	20
677	Ps	677Ps	Psamments	S		3	30	60	2	6
677	Ps	677Ps	Psamments	S		3	48	60	6	20
677	RmC	677RmC	Ramona	SL		4	54	60	2	6
677	RmD	677RmD	Ramona	SL		4	54	60	2	6
677	RmE2	677RmE2	Ramona	SL		1	0	23	2	6
677	RmE2	677RmE2	Ramona	SL		4	54	60	2	6
677	SaD	677SaD	San Emigdio	SL		1	0	8	2	6
677	SaD	677SaD	San Emigdio	SL		2	8	60	2	6
677	SbC	677SbC	San Emigdio	GR-SL		1	0	16	2	6
677	SbC	677SbC	San Emigdio	GR-SL		2	16	60	2	6
677	ScA	677ScA	San Emigdio	FSL		1	0	8	2	6
677	ScA	677ScA	San Emigdio	FSL		2	8	60	2	6
677	ScC	677ScC	San Emigdio	FSL		1	0	8	2	6
677	ScC	677ScC	San Emigdio	FSL		2	8	60	2	6
677	SoC	677SoC	Soboba	GR-LS		1	0	12	6	20
677	SoC	677SoC	Soboba	GR-LS		2	12	36	6	20
677	SoC	677SoC	Soboba	GR-LS		3	36	60	20	20
677	SpC	677SpC	Soboba	ST-LS		1	0	10	6	20
677	SpC	677SpC	Soboba	ST-LS		2	10	60	20	20
677	ToF	677ToF	Tollhouse	SL		1	0	12	2	6
677	TuB	677TuB	Tujunga	LS		1	0	18	6	20
677	TuB	677TuB	Tujunga	LS		2	18	60	6	20
677	TvC	677TvC	Tujunga	GR-LS		1	0	36	6	20
677	TvC	677TvC	Tujunga	GR-LS		2	36	60	6	20
677	Vr	677Vr	Rock Outcrop	UWB		1	0	20	2	6
677	Vr	677Vr	Rock Outcrop	UWB		2	20	38	2	6
677	Vr	677Vr	Vista	SL		1	0	20	2	6
677	Vr	677Vr	Vista	SL		2	20	38	2	6
679	AcC	679AcC	Anza	FSL		1	0	23	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
679	AcC	679AcC	Anza	FSL		2	23	69	2	6
679	AdA	679AdA	Anza	L		2	23	69	2	6
679	AdC	679AdC	Anza	L		2	23	69	2	6
679	AnC	679AnC	Arlington	FSL	THIN	1	0	11	2	6
679	AnC	679AnC	Arlington	FSL	THIN	4	36	47	6	20
679	AnD	679AnD	Arlington	FSL	THIN	1	0	11	2	6
679	AnD	679AnD	Arlington	FSL	THIN	4	36	47	6	20
679	AoA	679AoA	Arlington	FSL	THIN	1	0	11	2	6
679	AoA	679AoA	Arlington	FSL	THIN	4	60	70	6	20
679	AoC	679AoC	Arlington	FSL	THIN	1	0	11	2	6
679	AoC	679AoC	Arlington	FSL	THIN	4	60	70	6	20
679	AoD	679AoD	Arlington	FSL	THIN	1	0	11	2	6
679	AoD	679AoD	Arlington	FSL	THIN	4	60	70	6	20
679	ApB	679ApB	Arlington	L	THIN	4	36	47	6	20
679	ArB	679ArB	Arlington	L	THIN	4	60	70	6	20
679	ArD	679ArD	Arlington	L	THIN	4	60	70	6	20
679	AtC2	679AtC2	Arlington	FSL	THIN	1	0	26	2	6
679	AtC2	679AtC2	Arlington	FSL	THIN	1	0	11	2	6
679	AtC2	679AtC2	Arlington	FSL	THIN	2	26	43	2	6
679	AtC2	679AtC2	Arlington	FSL	THIN	4	60	70	2	6
679	AtC2	679AtC2	Arlington	FSL	THIN	4	36	47	6	20
679	AtC2	679AtC2	Greenfield	FSL		1	0	26	2	6
679	AtC2	679AtC2	Greenfield	FSL		1	0	11	2	6
679	AtC2	679AtC2	Greenfield	FSL		2	26	43	2	6
679	AtC2	679AtC2	Greenfield	FSL		4	60	70	2	6
679	AtC2	679AtC2	Greenfield	FSL		4	36	47	6	20
679	AtD2	679AtD2	Arlington	FSL	THIN	1	0	26	2	6
679	AtD2	679AtD2	Arlington	FSL	THIN	1	0	11	2	6
679	AtD2	679AtD2	Arlington	FSL	THIN	2	26	43	2	6
679	AtD2	679AtD2	Arlington	FSL	THIN	4	60	70	2	6
679	AtD2	679AtD2	Arlington	FSL	THIN	4	36	47	6	20
679	AtD2	679AtD2	Greenfield	FSL		1	0	26	2	6
679	AtD2	679AtD2	Greenfield	FSL		1	0	11	2	6
679	AtD2	679AtD2	Greenfield	FSL		2	26	43	2	6
679	AtD2	679AtD2	Greenfield	FSL		4	60	70	2	6
679	AtD2	679AtD2	Greenfield	FSL		4	36	47	6	20
679	AtF3	679AtF3	Arlington	FSL	THIN	1	0	20	2	6
679	AtF3	679AtF3	Arlington	FSL	THIN	1	0	6	2	6
679	AtF3	679AtF3	Arlington	FSL	THIN	2	20	40	2	6
679	AtF3	679AtF3	Arlington	FSL	THIN	4	60	72	2	6
679	AtF3	679AtF3	Arlington	FSL	THIN	4	30	60	6	20
679	AtF3	679AtF3	Greenfield	FSL		1	0	20	2	6
679	AtF3	679AtF3	Greenfield	FSL		1	0	6	2	6
679	AtF3	679AtF3	Greenfield	FSL		2	20	40	2	6
679	AtF3	679AtF3	Greenfield	FSL		4	60	72	2	6
679	AtF3	679AtF3	Greenfield	FSL		4	30	60	6	20
679	BdC	679BdC	Bonsall	FSL		1	0	9	2	6
679	BdD	679BdD	Bonsall	FSL		1	0	9	2	6
679	BsC2	679BsC2	Bull Trail	SL	THIN	1	0	8	2	6
679	BsD2	679BsD2	Bull Trail	SL	THIN	1	0	8	2	6
679	BsE3	679BsE3	Bull Trail	SL	THIN	1	0	4	2	6
679	BtD2	679BtD2	Bull Trail	ST-SL	THIN	1	0	8	2	6
679	BtE3	679BtE3	Bull Trail	ST-SL	THIN	1	0	4	2	6
679	BuC2	679BuC2	Buren	FSL	THIN	1	0	12	2	6
679	BuD2	679BuD2	Buren	FSL	THIN	1	0	12	2	6
679	CaC2	679CaC2	Cajalco	FSL		1	0	13	2	6
679	CaD2	679CaD2	Cajalco	FSL		1	0	13	2	6
679	CaF2	679CaF2	Cajalco	FSL		1	0	13	2	6
679	CbD2	679CbD2	Cajalco	FSL		1	0	13	2	6
679	CbD2	679CbD2	Rock Outcrop	UWB		1	0	13	2	6
679	CbF2	679CbF2	Cajalco	FSL		1	0	13	2	6
679	CbF2	679CbF2	Rock Outcrop	UWB		1	0	13	2	6
679	CcC2	679CcC2	Calpine	SL		1	0	7	2	6
679	CcC2	679CcC2	Calpine	SL		2	7	33	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
679	CcC2	679CcC2	Calpine	SL		3	33	60	6	20
679	CcD2	679CcD2	Calpine	SL		1	0	7	2	6
679	CcD2	679CcD2	Calpine	SL		2	7	33	2	6
679	CcD2	679CcD2	Calpine	SL		3	33	60	6	20
679	CdC2	679CdC2	Calpine	L		1	0	18	2	6
679	CdC2	679CdC2	Calpine	L		2	18	33	2	6
679	CdC2	679CdC2	Calpine	L		3	33	60	6	20
679	ChC	679ChC	Cieneba	SL		1	0	14	2	6
679	ChD2	679ChD2	Cieneba	SL		1	0	14	2	6
679	ChF2	679ChF2	Cieneba	SL		1	0	14	2	6
679	CkD2	679CkD2	Cieneba	SL		1	0	14	2	6
679	CkD2	679CkD2	Rock Outcrop	UWB		1	0	14	2	6
679	CkF2	679CkF2	Cieneba	SL		1	0	14	2	6
679	CkF2	679CkF2	Rock Outcrop	UWB		1	0	14	2	6
679	ClC	679ClC	Cortina	GR-LS		1	0	23	6	20
679	ClC	679ClC	Cortina	GR-LS		2	23	38	2	6
679	ClC	679ClC	Cortina	GR-LS		3	38	60	6	20
679	CmC	679CmC	Cortina	CB-LS		1	0	23	2	6
679	CmC	679CmC	Cortina	CB-LS		2	23	38	2	6
679	CmC	679CmC	Cortina	CB-LS		3	38	60	6	20
679	CnC	679CnC	Cortina	GR-SL		1	0	23	2	6
679	CnC	679CnC	Cortina	GR-SL		2	23	38	2	6
679	CnC	679CnC	Cortina	GR-SL		3	38	60	6	20
679	CoA	679CoA	Cortina	SL		1	0	23	2	6
679	CoA	679CoA	Cortina	SL		2	23	38	2	6
679	CoA	679CoA	Cortina	SL		3	38	60	6	20
679	CpA	679CpA	Cortina	GR-SL		1	0	23	2	6
679	CpA	679CpA	Cortina	GR-SL		2	23	38	2	6
679	CpA	679CpA	Cortina	GR-SL		3	38	60	6	20
679	CrD	679CrD	Cortina	CB-SL		1	0	23	2	6
679	CrD	679CrD	Cortina	CB-SL		2	23	38	2	6
679	CrD	679CrD	Cortina	CB-SL		3	38	60	6	20
679	CsF2	679CsF2	Crafton	SL		1	0	18	2	6
679	CsF2	679CsF2	Crafton	SL		2	18	26	2	6
679	CtF2	679CtF2	Crafton	FSL		1	0	18	2	6
679	CtF2	679CtF2	Crafton	FSL		2	18	26	2	6
679	CuE	679CuE	Crafton	FSL		1	0	18	2	6
679	CuE	679CuE	Crafton	FSL		2	18	26	2	6
679	CvD2	679CvD2	Crouch	LS		1	0	11	2	6
679	CvD2	679CvD2	Crouch	LS		2	11	28	2	6
679	CwD2	679CwD2	Crouch	SL		1	0	11	2	6
679	CwD2	679CwD2	Crouch	SL		2	11	28	2	6
679	CwE2	679CwE2	Crouch	SL		1	0	11	2	6
679	CwE2	679CwE2	Crouch	SL		2	11	28	2	6
679	CyE2	679CyE2	Crouch	SL		1	0	11	2	6
679	CyE2	679CyE2	Crouch	SL		2	11	28	2	6
679	CyE2	679CyE2	Rock Outcrop	UWB		1	0	11	2	6
679	CyE2	679CyE2	Rock Outcrop	UWB		2	11	28	2	6
679	CyF2	679CyF2	Crouch	SL		1	0	11	2	6
679	CyF2	679CyF2	Crouch	SL		2	11	28	2	6
679	CyF2	679CyF2	Rock Outcrop	UWB		1	0	11	2	6
679	CyF2	679CyF2	Rock Outcrop	UWB		2	11	28	2	6
679	DaD2	679DaD2	Delhi	FS		1	0	10	6	20
679	DaD2	679DaD2	Delhi	FS		2	10	48	6	20
679	DaD2	679DaD2	Delhi	FS		3	48	60	2	6
679	DbA	679DbA	Delhi	LFS		1	0	10	6	20
679	DbA	679DbA	Delhi	LFS		2	10	48	6	20
679	DbA	679DbA	Delhi	LFS		3	48	60	2	6
679	DgB	679DgB	Dello	LS		1	0	8	6	20
679	DgB	679DgB	Dello	LS		2	8	62	6	20
679	DmA	679DmA	Dello	LS		1	0	8	6	20
679	DmA	679DmA	Dello	LS		2	8	36	6	20
679	DmA	679DmA	Dello	LS		3	36	60	6	20
679	DnB	679DnB	Dello	LS		1	0	8	6	20

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
679	DnB	679DnB	Dello	LS		2	8	36	6	20
679	DnB	679DnB	Dello	LS		3	36	60	6	20
679	DoA	679DoA	Dello	LFS		1	0	8	6	20
679	DoA	679DoA	Dello	LFS		2	8	62	6	20
679	DpB	679DpB	Dello	LFS		1	0	15	6	20
679	DpB	679DpB	Dello	LFS		2	15	62	6	20
679	DrA	679DrA	Dello	LFS		1	0	8	6	20
679	DrA	679DrA	Dello	LFS		2	8	36	6	20
679	DrA	679DrA	Dello	LFS		3	36	60	6	20
679	FaD2	679FaD2	Fallbrook	SL		1	0	14	2	6
679	FaE2	679FaE2	Fallbrook	SL		1	0	14	2	6
679	FbC2	679FbC2	Fallbrook	SL		1	0	8	2	6
679	FbF2	679FbF2	Fallbrook	SL		1	0	8	2	6
679	FcD2	679FcD2	Fallbrook	SL		1	0	8	2	6
679	FcD2	679FcD2	Rock Outcrop	UWB		1	0	8	2	6
679	FcF2	679FcF2	Fallbrook	SL		1	0	8	2	6
679	FcF2	679FcF2	Rock Outcrop	UWB		1	0	8	2	6
679	FfC2	679FfC2	Fallbrook	FSL		1	0	14	2	6
679	FkD2	679FkD2	Fallbrook	FSL		1	0	6	2	6
679	FwE2	679FwE2	Friant	FSL		1	0	13	2	6
679	FyE2	679FyE2	Friant	FSL		1	0	13	2	6
679	FyE2	679FyE2	Rock Outcrop	UWB		1	0	13	2	6
679	FyF2	679FyF2	Friant	FSL		1	0	13	2	6
679	FyF2	679FyF2	Rock Outcrop	UWB		1	0	13	2	6
679	GeG3	679GeG3	Gaviota	FSL		1	0	10	2	6
679	GeG3	679GeG3	Rock Outcrop	UWB		1	0	10	2	6
679	GfF2	679GfF2	Gaviota	VFSL		1	0	15	2	6
679	GgF2	679GgF2	Gaviota	VFSL		1	0	15	2	6
679	GhC	679GhC	Gorgonio	LS		1	0	15	6	20
679	GhC	679GhC	Gorgonio	LS		2	15	60	6	20
679	GhD	679GhD	Gorgonio	LS		1	0	15	6	20
679	GhD	679GhD	Gorgonio	LS		2	15	60	6	20
679	GkD	679GkD	Gorgonio	LS		1	0	15	6	20
679	GkD	679GkD	Gorgonio	LS		2	15	60	6	20
679	GkD	679GkD	Riverwash	GR-COS		1	0	15	6	20
679	GkD	679GkD	Riverwash	GR-COS		2	15	60	6	20
679	GlC	679GlC	Gorgonio	LS		1	40	60	2	6
679	GmD	679GmD	Gorgonio	GR-LFS		1	0	15	6	20
679	GmD	679GmD	Gorgonio	GR-LFS		2	15	60	6	20
679	GnD	679GnD	Gorgonio	CB-LFS		1	0	15	6	20
679	GnD	679GnD	Gorgonio	CB-LFS		2	15	40	6	20
679	GnD	679GnD	Gorgonio	CB-LFS		3	40	60	6	20
679	GoB	679GoB	Grangeville	LFS		1	0	17	6	20
679	GoB	679GoB	Grangeville	LFS		2	17	60	2	6
679	GpB	679GpB	Grangeville	SL		1	0	17	2	6
679	GpB	679GpB	Grangeville	SL		2	17	60	2	6
679	GrB	679GrB	Grangeville	SL		1	0	36	2	6
679	GrB	679GrB	Grangeville	SL		2	36	60	2	6
679	GsB	679GsB	Grangeville	SL		1	0	36	2	6
679	GsB	679GsB	Grangeville	SL		2	36	60	2	6
679	GtA	679GtA	Grangeville	FSL		1	0	36	2	6
679	GtA	679GtA	Grangeville	FSL		2	36	64	2	6
679	GtD	679GtD	Grangeville	FSL		1	0	36	2	6
679	GtD	679GtD	Grangeville	FSL		2	36	64	2	6
679	GuB	679GuB	Grangeville	FSL		1	0	17	2	6
679	GvB	679GvB	Grangeville	FSL		1	0	17	2	6
679	GwA	679GwA	Grangeville	FSL		1	0	17	2	6
679	GwA	679GwA	Grangeville	FSL		2	17	36	2	6
679	GwA	679GwA	Grangeville	FSL		3	36	60	2	6
679	GxA	679GxA	Grangeville	FSL		1	0	35	2	6
679	GxA	679GxA	Grangeville	FSL		2	35	60	2	6
679	GyA	679GyA	Greenfield	SL		1	0	26	2	6
679	GyA	679GyA	Greenfield	SL		2	26	43	2	6
679	GyA	679GyA	Greenfield	SL		4	60	72	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
679	GyC2	679GyC2	Greenfield	SL		1	0	26	2	6
679	GyC2	679GyC2	Greenfield	SL		2	26	43	2	6
679	GyC2	679GyC2	Greenfield	SL		4	60	72	2	6
679	GyD2	679GyD2	Greenfield	SL		1	0	26	2	6
679	GyD2	679GyD2	Greenfield	SL		2	26	43	2	6
679	GyE2	679GyE2	Greenfield	SL		1	0	26	2	6
679	GyE2	679GyE2	Greenfield	SL		2	26	43	2	6
679	HaC	679HaC	Hanford	LFS		1	0	8	6	20
679	HaC	679HaC	Hanford	LFS		2	8	40	2	6
679	HaC	679HaC	Hanford	LFS		3	40	60	6	20
679	HcA	679HcA	Hanford	COSL		1	0	8	2	6
679	HcA	679HcA	Hanford	COSL		2	8	40	2	6
679	HcA	679HcA	Hanford	COSL		3	40	60	6	20
679	HcC	679HcC	Hanford	COSL		1	0	8	2	6
679	HcC	679HcC	Hanford	COSL		2	8	40	2	6
679	HcC	679HcC	Hanford	COSL		3	40	60	6	20
679	HcD2	679HcD2	Hanford	COSL		1	0	8	2	6
679	HcD2	679HcD2	Hanford	COSL		2	8	40	2	6
679	HcD2	679HcD2	Hanford	COSL		3	40	60	6	20
679	HdD2	679HdD2	Hanford	CB-COSL		1	0	18	2	6
679	HdD2	679HdD2	Hanford	CB-COSL		2	18	30	2	6
679	HdD2	679HdD2	Hanford	CB-COSL		3	30	60	6	20
679	HeC2	679HeC2	Hanford	COSL		1	0	8	2	6
679	HeC2	679HeC2	Hanford	COSL		2	8	40	2	6
679	HeC2	679HeC2	Hanford	COSL		3	40	60	6	20
679	HfD	679HfD	Hanford	SL		1	0	8	2	6
679	HfD	679HfD	Hanford	SL		2	8	40	2	6
679	HfD	679HfD	Hanford	SL		3	40	60	6	20
679	HgA	679HgA	Hanford	FSL		1	0	8	2	6
679	HgA	679HgA	Hanford	FSL		2	8	40	2	6
679	HgA	679HgA	Hanford	FSL		3	40	60	6	20
679	HhA2	679HhA2	Hilmar	LS		1	0	16	6	20
679	HlA	679HlA	Hilmar	LFS		1	0	16	6	20
679	HlA	679HlA	Hilmar	LFS		2	16	72	6	20
679	HlC	679HlC	Hilmar	LFS		1	0	16	6	20
679	HlC	679HlC	Hilmar	LFS		2	16	72	6	20
679	HnC	679HnC	Honcut	SL		1	0	22	2	6
679	HnC	679HnC	Honcut	SL		2	22	60	2	6
679	HnD2	679HnD2	Honcut	SL		1	0	22	2	6
679	HnD2	679HnD2	Honcut	SL		2	22	60	2	6
679	HoE	679HoE	Honcut	CB-COSL		1	0	22	2	6
679	HoE	679HoE	Honcut	CB-COSL		2	22	60	2	6
679	HuC2	679HuC2	Honcut	L		1	0	22	2	6
679	HuC2	679HuC2	Honcut	L		2	22	60	2	6
679	MaA	679MaA	Madera	FSL	THICK	1	0	19	2	6
679	MaB2	679MaB2	Madera	FSL	THICK	1	0	12	2	6
679	MaD2	679MaD2	Madera	FSL	THICK	1	0	14	2	6
679	MbC2	679MbC2	Madera	FSL	THICK	1	0	14	2	6
679	MdC	679MdC	Metz	LS		1	0	28	2	6
679	MdC	679MdC	Metz	LS		2	28	60	6	20
679	MeD	679MeD	Metz	LS		1	0	28	2	6
679	MeD	679MeD	Metz	LS		2	28	60	6	20
679	MeD	679MeD	Riverwash	GR-COS		1	0	28	2	6
679	MeD	679MeD	Riverwash	GR-COS		2	28	60	6	20
679	MfA	679MfA	Metz	LFS		1	0	28	2	6
679	MfA	679MfA	Metz	LFS		2	28	60	6	20
679	MgB	679MgB	Metz	LS		1	0	28	2	6
679	MgB	679MgB	Metz	LS		2	28	36	2	6
679	MgB	679MgB	Metz	LS		3	36	60	6	20
679	MhB	679MhB	Metz	LFS		1	0	30	2	6
679	MhB	679MhB	Metz	LFS		2	30	60	2	6
679	MlD	679MlD	Metz	GR-SL		2	28	60	2	6
679	MoC	679MoC	Mottsville	LS		1	0	30	6	20
679	MoC	679MoC	Mottsville	LS		2	30	60	6	20

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
679	MoD	679MoD	Mottsville	LS		1	0	30	6	20
679	MoD	679MoD	Mottsville	LS		2	30	60	6	20
679	MrE	679MrE	Mottsville	CB-LS		1	0	24	6	20
679	MrE	679MrE	Mottsville	CB-LS		2	24	60	6	20
679	MsC	679MsC	Mottsville	SL		1	0	20	6	20
679	MsC	679MsC	Mottsville	SL		2	20	60	6	20
679	MsD	679MsD	Mottsville	SL		1	0	20	6	20
679	MsD	679MsD	Mottsville	SL		2	20	60	6	20
679	MtE2	679MtE2	Mottsville	CB-SL		1	0	25	2	6
679	MtE2	679MtE2	Mottsville	CB-SL		2	25	60	6	20
679	OgD	679OgD	Oak Glen	GR-SL		1	0	29	2	6
679	OgD	679OgD	Oak Glen	GR-SL		2	29	48	2	6
679	OgD	679OgD	Oak Glen	GR-SL		3	48	60	6	20
679	OgE	679OgE	Oak Glen	GR-SL		1	0	29	2	6
679	OgE	679OgE	Oak Glen	GR-SL		2	29	48	2	6
679	OgE	679OgE	Oak Glen	GR-SL		3	48	60	6	20
679	OkD	679OkD	Oak Glen	FSL		1	0	29	2	6
679	OkD	679OkD	Oak Glen	FSL		2	29	60	2	6
679	RdD2	679RdD2	Ramona	SL		1	0	10	2	6
679	RdE3	679RdE3	Ramona	SL		1	0	8	2	6
679	RfC2	679RfC2	Ramona	FSL		1	0	10	2	6
679	RmE3	679RmE3	Buren	SL	THIN	1	0	12	2	6
679	RmE3	679RmE3	Ramona	SL		1	0	12	2	6
679	RsC	679RsC	Riverwash	GR-COS		1	0	6	6	20
679	RsC	679RsC	Riverwash	GR-COS		2	6	60	6	20
679	SdD	679SdD	Riverwash	GR-COS		1	0	6	6	20
679	SdD	679SdD	Riverwash	GR-COS		1	0	8	2	6
679	SdD	679SdD	Riverwash	GR-COS		2	6	60	6	20
679	SdD	679SdD	Riverwash	GR-COS		2	8	40	2	6
679	SdD	679SdD	Riverwash	GR-COS		3	40	60	2	6
679	SdD	679SdD	San Emigdio	SL		1	0	6	6	20
679	SdD	679SdD	San Emigdio	SL		1	0	8	2	6
679	SdD	679SdD	San Emigdio	SL		2	6	60	6	20
679	SdD	679SdD	San Emigdio	SL		2	8	40	2	6
679	SdD	679SdD	San Emigdio	SL		3	40	60	2	6
679	SeA	679SeA	San Emigdio	FSL		1	0	8	2	6
679	SeA	679SeA	San Emigdio	FSL		2	8	40	2	6
679	SeA	679SeA	San Emigdio	FSL		3	40	60	2	6
679	SeC2	679SeC2	San Emigdio	FSL		1	0	8	2	6
679	SeC2	679SeC2	San Emigdio	FSL		2	8	40	2	6
679	SeC2	679SeC2	San Emigdio	FSL		3	40	60	2	6
679	SeD2	679SeD2	San Emigdio	FSL		1	0	8	2	6
679	SeD2	679SeD2	San Emigdio	FSL		2	8	40	2	6
679	SeD2	679SeD2	San Emigdio	FSL		3	40	60	2	6
679	SfA	679SfA	San Emigdio	FSL		1	0	8	2	6
679	SfA	679SfA	San Emigdio	FSL		2	8	40	2	6
679	SfA	679SfA	San Emigdio	FSL		3	40	60	6	20
679	SgA	679SgA	San Emigdio	L		1	0	8	2	6
679	SgA	679SgA	San Emigdio	L		2	8	40	2	6
679	SgA	679SgA	San Emigdio	L		3	40	60	2	6
679	SgC	679SgC	San Emigdio	L		1	0	8	2	6
679	SgC	679SgC	San Emigdio	L		2	8	40	2	6
679	SgC	679SgC	San Emigdio	L		3	40	60	2	6
679	SgD2	679SgD2	San Emigdio	L		1	0	8	2	6
679	SgD2	679SgD2	San Emigdio	L		2	8	40	2	6
679	SgD2	679SgD2	San Emigdio	L		3	40	60	2	6
679	SmE2	679SmE2	San Timoteo	L		1	0	9	2	6
679	SmE2	679SmE2	San Timoteo	L		2	9	22	2	6
679	SmF2	679SmF2	San Timoteo	L		1	0	9	2	6
679	SmF2	679SmF2	San Timoteo	L		2	9	22	2	6
679	SnD2	679SnD2	Sheephead	FSL		1	0	17	2	6
679	SpG2	679SpG2	Rock Outcrop	UWB		1	0	17	2	6
679	SpG2	679SpG2	Sheephead	FSL		1	0	17	2	6
679	SrE	679SrE	Soboba	CB-LS		1	0	11	20	20

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
679	SrE	679SrE	Soboba	CB-LS		2	11	60	20	20
679	SsD	679SsD	Soboba	ST-LS		1	0	11	20	20
679	SsD	679SsD	Soboba	ST-LS		2	11	60	20	20
679	TfF2	679TfF2	Rock Outcrop	UWB		1	0	9	2	6
679	TfF2	679TfF2	Rock Outcrop	UWB		2	9	18	2	6
679	TfF2	679TfF2	Tollhouse	COSL		1	0	9	2	6
679	TfF2	679TfF2	Tollhouse	COSL		2	9	18	2	6
679	ThD2	679ThD2	Tollhouse	SL		1	0	9	2	6
679	ThD2	679ThD2	Tollhouse	SL		2	9	18	2	6
679	ThE2	679ThE2	Tollhouse	SL		1	0	18	2	6
679	Tp2	679Tp2	Traver	LFS		1	0	13	2	6
679	Tr2	679Tr2	Traver	LFS		1	0	13	2	6
679	TuB	679TuB	Tujunga	LS		1	0	10	6	20
679	TuB	679TuB	Tujunga	LS		2	10	60	6	20
679	TvC	679TvC	Riverwash	GR-COS		1	0	6	6	20
679	TvC	679TvC	Riverwash	GR-COS		1	0	10	6	20
679	TvC	679TvC	Riverwash	GR-COS		2	6	60	6	20
679	TvC	679TvC	Riverwash	GR-COS		2	10	60	6	20
679	TvC	679TvC	Tujunga	LS		1	0	6	6	20
679	TvC	679TvC	Tujunga	LS		1	0	10	6	20
679	TvC	679TvC	Tujunga	LS		2	6	60	6	20
679	TvC	679TvC	Tujunga	LS		2	10	60	6	20
679	TwC	679TwC	Tujunga	GR-LS		1	0	10	6	20
679	TwC	679TwC	Tujunga	GR-LS		2	10	60	6	20
679	VlC2	679VlC2	Visalia	SL		1	0	18	2	6
679	VlC2	679VlC2	Visalia	SL		2	18	60	2	6
679	VmA	679VmA	Visalia	FSL		1	0	18	2	6
679	VmA	679VmA	Visalia	FSL		2	18	60	2	6
679	VmC	679VmC	Visalia	FSL		1	0	18	2	6
679	VmC	679VmC	Visalia	FSL		2	18	60	2	6
679	VsC	679VsC	Vista	COSL		1	0	15	2	6
679	VsC	679VsC	Vista	COSL		2	15	24	2	6
679	VsD2	679VsD2	Vista	COSL		1	0	15	2	6
679	VsD2	679VsD2	Vista	COSL		2	15	24	2	6
679	VsF2	679VsF2	Vista	COSL		1	0	15	2	6
679	VsF2	679VsF2	Vista	COSL		2	15	24	2	6
679	VtF2	679VtF2	Rock Outcrop	UWB		1	0	15	2	6
679	VtF2	679VtF2	Rock Outcrop	UWB		2	15	24	2	6
679	VtF2	679VtF2	Vista	COSL		1	0	15	2	6
679	VtF2	679VtF2	Vista	COSL		2	15	24	2	6
679	Wa	679Wa	Waukena	LFS		1	0	11	2	6
679	WxD2	679WxD2	Wyman	FSL		1	0	12	2	6
680	BtE	680BtE	Bull Trail	ST-SL		1	0	3	2	6
680	BtE	680BtE	Bull Trail	ST-SL		3	31	60	2	6
680	CaD	680CaD	Cajon	LS		1	0	6	6	20
680	CaD	680CaD	Cajon	LS		2	6	12	6	20
680	CaD	680CaD	Cajon	LS		3	12	32	6	20
680	CaD	680CaD	Cajon	LS		4	32	43	6	20
680	CaD	680CaD	Cajon	LS		5	43	60	6	20
680	CbD	680CbD	Cajon Variant	S		1	0	14	6	20
680	CbD	680CbD	Cajon Variant	S		2	14	60	6	20
680	CcC	680CcC	Carrizo	ST-S		1	0	10	20	20
680	CcC	680CcC	Carrizo	ST-S		2	10	39	20	20
680	CcC	680CcC	Carrizo	ST-S		3	39	60	20	20
680	CdC	680CdC	Carsitas	GR-S		1	0	10	6	20
680	CdC	680CdC	Carsitas	GR-S		2	10	60	6	20
680	CdE	680CdE	Carsitas	GR-S		1	0	10	6	20
680	CdE	680CdE	Carsitas	GR-S		2	10	60	6	20
680	CfB	680CfB	Carsitas	S		1	0	10	6	20
680	CfB	680CfB	Carsitas	S		2	10	60	6	20
680	ChC	680ChC	Carsitas	CB-S		1	0	10	6	20
680	ChC	680ChC	Carsitas	CB-S		2	10	60	6	20
680	CkB	680CkB	Carsitas	FS		1	0	10	6	20
680	CkB	680CkB	Carsitas	FS		2	10	60	6	20

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
680	CmB	680CmB	Carsitas Variant	FS		1	0	6	6	20
680	CmB	680CmB	Carsitas Variant	FS		2	6	18	6	20
680	CmE	680CmE	Carsitas Variant	FS		1	0	6	6	20
680	CmE	680CmE	Carsitas Variant	FS		2	6	18	6	20
680	CnC	680CnC	Chuckawalla	CB-FSL		2	12	25	6	20
680	CnC	680CnC	Chuckawalla	CB-FSL		3	25	60	6	20
680	CnE	680CnE	Chuckawalla	CB-FSL		2	12	25	6	20
680	CnE	680CnE	Chuckawalla	CB-FSL		3	25	60	6	20
680	CoB	680CoB	Chuckawalla	GRV-SCL		2	12	25	6	20
680	CoB	680CoB	Chuckawalla	GRV-SCL		3	25	60	6	20
680	CoD	680CoD	Chuckawalla	GRV-SCL		2	12	25	6	20
680	CoD	680CoD	Chuckawalla	GRV-SCL		3	25	60	6	20
680	CpA	680CpA	Coachella	FS		1	0	11	2	6
680	CpA	680CpA	Coachella	FS		2	11	60	2	6
680	CpB	680CpB	Coachella	FS		1	0	11	2	6
680	CpB	680CpB	Coachella	FS		2	11	60	2	6
680	CrA	680CrA	Coachella	FS		1	0	11	2	6
680	CrA	680CrA	Coachella	FS		2	11	60	2	6
680	CsA	680CsA	Coachella	FSL		1	0	10	2	6
680	CsA	680CsA	Coachella	FSL		2	10	40	2	6
680	CsA	680CsA	Coachella	FSL		3	40	60	2	6
680	FE	680FE	Fluvents	S		1	0	10	6	20
680	FE	680FE	Fluvents	S		2	10	30	2	6
680	FE	680FE	Fluvents	S		3	30	60	2	6
680	GaB	680GaB	Gilman	LFS		1	0	8	2	6
680	Gp	680Gp	Dumps	VAR		2	6	60	6	20
680	Gp	680Gp	Gravel Pits	GRX-COS		2	6	60	6	20
680	MaB	680MaB	Myoma	FS		1	0	18	6	20
680	MaB	680MaB	Myoma	FS		2	18	60	6	20
680	MaD	680MaD	Myoma	FS		1	0	18	6	20
680	MaD	680MaD	Myoma	FS		2	18	60	6	20
680	McB	680McB	Myoma	FS		1	0	18	6	20
680	McB	680McB	Myoma	FS		2	18	60	6	20
680	NaB	680NaB	Niland	S		1	0	21	6	20
680	NbB	680NbB	Niland	S		1	0	23	6	20
680	OmD	680OmD	Omstott	COSL		1	0	4	2	6
680	OmD	680OmD	Omstott	COSL		2	4	10	2	6
680	Or	680Or	Omstott	GR-FSL		1	0	4	2	6
680	Or	680Or	Omstott	GR-FSL		2	4	10	2	6
680	Or	680Or	Rock Outcrop	UWB		1	0	4	2	6
680	Or	680Or	Rock Outcrop	UWB		2	4	10	2	6
680	Ra	680Ra	Riverwash	GR-S		1	0	6	6	20
680	Ra	680Ra	Riverwash	GR-S		2	6	60	6	20
680	Ru	680Ru	Rubble Land	FRAG		1	0	60	20	20
680	SoD	680SoD	Soboba	CB-S		1	0	13	20	20
680	SoD	680SoD	Soboba	CB-S		2	13	60	20	20
680	SpE	680SpE	Soboba	ST-S		1	0	13	20	20
680	SpE	680SpE	Soboba	ST-S		2	13	60	20	20
680	TpE	680TpE	Tujunga	FS		1	0	20	6	20
680	TpE	680TpE	Tujunga	FS		2	20	47	6	20
680	TpE	680TpE	Tujunga	FS		3	47	60	6	20
680	TrC	680TrC	Tujunga	GR-LS		1	0	20	6	20
680	TrC	680TrC	Tujunga	GR-LS		2	20	60	6	20
680	TsB	680TsB	Tujunga	LFS		1	0	20	6	20
680	TsB	680TsB	Tujunga	LFS		2	20	47	6	20
680	TsB	680TsB	Tujunga	LFS		3	47	60	6	20
681	Ac	681Ac	Aco	GR-LS		1	0	3	6	20
681	Ac	681Ac	Aco	GR-LS		2	3	18	2	6
681	Ac	681Ac	Aco	GR-LS		3	18	46	2	6
681	Ac	681Ac	Aco	GR-LS		4	46	60	6	20
681	Af	681Af	Aco	SL		1	0	3	2	6
681	Af	681Af	Aco	SL		2	3	18	2	6
681	Af	681Af	Aco	SL		3	18	46	2	6
681	Af	681Af	Aco	SL		4	46	60	6	20

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
681	Ce	681Ce	Carrizo	GR-S		1	0	37	20	20
681	Ce	681Ce	Carrizo	GR-S		2	37	47	20	20
681	Ce	681Ce	Carrizo	GR-S		3	47	60	6	20
681	Ch	681Ch	Chuckawalla	GRV-SIL		4	16	60	6	20
681	Co	681Co	Cibola	FSL		3	30	60	6	20
681	Cs	681Cs	Cibola	SICL		3	30	60	6	20
681	DuD	681DuD	Duneland	S		1	0	6	6	20
681	DuD	681DuD	Duneland	S		2	6	60	6	20
681	Gb	681Gb	Gilman	FSL		1	0	3	2	6
681	Gb	681Gb	Gilman	FSL		5	33	60	6	20
681	Gc	681Gc	Gilman	SICL		3	20	28	2	6
681	Gc	681Gc	Gilman	SICL		4	28	33	2	6
681	Gc	681Gc	Gilman	SICL		5	33	60	6	20
681	Ge	681Ge	Glenbar	SICL		3	39	44	2	6
681	Ge	681Ge	Glenbar	SICL		5	54	60	2	6
681	Hb	681Hb	Holtville	FSL		1	0	10	2	6
681	Hb	681Hb	Holtville	FSL		4	26	60	6	20
681	Hc	681Hc	Holtville	SIC		3	26	60	6	20
681	Ib	681Ib	Imperial	FSL		1	0	7	2	6
681	Id	681Id	Indio	VFSL		3	19	40	2	6
681	Id	681Id	Indio	VFSL		4	40	60	6	20
681	Ie	681Ie	Indio	SICL		3	19	40	2	6
681	Ie	681Ie	Indio	SICL		4	40	60	6	20
681	Md	681Md	Meloland	FSL		1	0	24	2	6
681	Md	681Md	Meloland	FSL		3	48	60	6	20
681	Me	681Me	Meloland	SICL		4	48	60	6	20
681	Oc	681Oc	Orita	FS		1	0	12	6	20
681	Oc	681Oc	Orita	FS		2	12	22	2	6
681	Oc	681Oc	Orita	FS		4	68	80	2	6
681	Og	681Og	Orita	GR-LS		1	0	6	2	6
681	Og	681Og	Orita	GR-LS		2	6	10	6	20
681	Or	681Or	Orita	GR-FSL		1	0	4	20	20
681	Or	681Or	Orita	GR-FSL		3	10	22	6	20
681	Rb	681Rb	Ripley	VFSL		1	0	10	2	6
681	Rb	681Rb	Ripley	VFSL		3	20	32	2	6
681	Rb	681Rb	Ripley	VFSL		4	32	60	6	20
681	Rc	681Rc	Ripley	SICL		4	32	60	2	60
681	RoA	681RoA	Rositas	FS		1	0	3	6	20
681	RoA	681RoA	Rositas	FS		2	3	60	6	20
681	RoB	681RoB	Rositas	FS		1	0	3	6	20
681	RoB	681RoB	Rositas	FS		2	3	72	6	20
681	RrA	681RrA	Rositas	FS		1	0	3	6	20
681	RrA	681RrA	Rositas	FS		2	3	40	6	20
681	RsA	681RsA	Rositas	GR-LS		1	0	10	6	20
681	RsA	681RsA	Rositas	GR-LS		2	10	72	6	20
681	RtA	681RtA	Rositas	SICL		2	10	72	6	20
681	RuA	681RuA	Rositas	SICL		2	10	40	6	20
685	BHE	685BHE	Bluebell	STV-SL		1	0	13	2	6
685	BHE	685BHE	Hapgood	STV-FSL		1	0	13	2	6
685	BHF	685BHF	Bluebell	STV-SL		1	0	13	2	6
685	BHF	685BHF	Hapgood	STV-FSL		1	0	13	2	6
685	Cv	685Cv	Cummings Variant	MUCK		1	0	8	2	6
685	Cw	685Cw	Cummings Variant	MUCK		1	0	8	2	6
685	DM	685DM	Badland			1	0	2	2	6
685	DM	685DM	Badland			2	2	12	2	6
685	DM	685DM	Badland			3	12	60	20	20
685	DM	685DM	Disabel	SICL		1	0	2	2	6
685	DM	685DM	Disabel	SICL		2	2	12	2	6
685	DM	685DM	Disabel	SICL		3	12	60	20	20
685	DM	685DM	McConnel	SL		1	0	2	2	6
685	DM	685DM	McConnel	SL		2	2	12	2	6
685	DM	685DM	McConnel	SL		3	12	60	20	20
685	DP	685DP	Disabel	SICL		1	0	2	2	6
685	DP	685DP	Pegler	FSL		1	0	2	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
685	DrB	685DrB	Donica	GR-SL		1	0	13	2	6
685	DrB	685DrB	Donica	GR-SL		2	13	29	2	6
685	DrB	685DrB	Donica	GR-SL		3	29	60	6	20
685	DrE	685DrE	Donica	GR-SL		1	0	13	2	6
685	DrE	685DrE	Donica	GR-SL		2	13	29	2	6
685	DrE	685DrE	Donica	GR-SL		3	29	60	6	20
685	DrF	685DrF	Donica	GR-SL		1	0	13	2	6
685	DrF	685DrF	Donica	GR-SL		2	13	29	2	6
685	DrF	685DrF	Donica	GR-SL		3	29	60	6	20
685	DsE	685DsE	Donica	GRV-SL		1	0	13	2	6
685	DsE	685DsE	Donica	GRV-SL		2	13	29	2	6
685	DsE	685DsE	Donica	GRV-SL		3	29	60	6	20
685	DtC	685DtC	Donica	STV-SL		1	0	13	2	6
685	DtC	685DtC	Donica	STV-SL		2	13	29	2	6
685	DtC	685DtC	Donica	STV-SL		3	29	60	6	20
685	Du	685Du	Donica	GR-SL		1	0	9	2	6
685	Du	685Du	Donica	GR-SL		1	0	13	2	6
685	Du	685Du	Donica	GR-SL		2	9	45	2	6
685	Du	685Du	Donica	GR-SL		2	13	29	2	6
685	Du	685Du	Donica	GR-SL		3	45	67	2	6
685	Du	685Du	Donica	GR-SL		3	29	60	6	20
685	Du	685Du	Surprise	GR-SL		1	0	9	2	6
685	Du	685Du	Surprise	GR-SL		1	0	13	2	6
685	Du	685Du	Surprise	GR-SL		2	9	45	2	6
685	Du	685Du	Surprise	GR-SL		2	13	29	2	6
685	Du	685Du	Surprise	GR-SL		3	45	67	2	6
685	Du	685Du	Surprise	GR-SL		3	29	60	6	20
685	Ef	685Ef	Espil	GR-SL	THICK	1	0	7	2	6
685	Ef	685Ef	Fertaline	GR-FSL	THICK	1	0	7	2	6
685	EM	685EM	Espil	GR-SL	THICK	1	0	2	2	6
685	EM	685EM	Mosquet	STV-FSL		1	0	2	2	6
685	Fo	685Fo	Four Star	L		2	6	28	2	6
685	Fo	685Fo	Four Star	L		3	28	60	2	6
685	Fr	685Fr	Four Star	L		2	6	28	2	6
685	Fr	685Fr	Four Star	L		3	28	60	2	6
685	Fs	685Fs	Four Star	L		2	6	28	2	6
685	Fs	685Fs	Four Star	L		3	28	60	2	6
685	Ft	685Ft	Four Star	L		2	6	28	2	6
685	Ft	685Ft	Four Star	L		3	28	40	2	6
685	FxE	685FxE	Foxmount	GR-L		3	27	38	2	6
685	GrE	685GrE	Gorzell	ST-L		3	30	46	6	20
685	GsC	685GsC	Gorzell	GR-L		3	30	46	6	20
685	HaE	685HaE	Hapgood	FSL		1	0	8	2	6
685	HG	685HG	Hapgood	ST-FSL		1	0	10	2	6
685	HG	685HG	Hapgood	ST-FSL		2	10	44	2	6
685	HG	685HG	Snag	ST-FSL		1	0	10	2	6
685	HG	685HG	Snag	ST-FSL		2	10	44	2	6
685	HI	685HI	Hapgood	STV-SL		1	0	20	2	6
685	HI	685HI	Hapgood	STV-SL		2	20	44	2	6
685	HI	685HI	Newlands	STV-L		1	0	20	2	6
685	HI	685HI	Newlands	STV-L		2	20	44	2	6
685	HI	685HI	Snag	STV-SL		1	0	20	2	6
685	HI	685HI	Snag	STV-SL		2	20	44	2	6
685	HL	685HL	Hapgood	FSL		1	0	8	2	6
685	HL	685HL	Home Camp	ST-L		1	0	8	2	6
685	JcA	685JcA	Jesse Camp	FSL		1	0	3	2	6
685	JcB	685JcB	Jesse Camp	FSL		1	0	3	2	6
685	Lk	685Lk	Lolak	LS		1	0	12	6	20
685	LN	685LN	Lolak	SIC		1	0	4	20	20
685	LN	685LN	Lolak	SIC		2	4	60	20	20
685	LN	685LN	Zorravista	FS		1	0	4	20	20
685	LN	685LN	Zorravista	FS		2	4	60	20	20
685	LoC	685LoC	Longval	FSL		1	0	15	2	6
685	LoC	685LoC	Longval	FSL		2	15	34	2	6

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
685	MmB	685MmB	McConnel	SL		1	0	7	2	6
685	MmB	685MmB	McConnel	SL		2	7	12	2	6
685	MmB	685MmB	McConnel	SL		3	12	60	20	20
685	MO	685MO	Badland			1	0	2	2	6
685	MO	685MO	Badland			2	2	12	2	6
685	MO	685MO	Badland			3	12	60	20	20
685	MO	685MO	McConnel	SL		1	0	2	2	6
685	MO	685MO	McConnel	SL		2	2	12	2	6
685	MO	685MO	McConnel	SL		3	12	60	20	20
685	MS	685MS	Home Camp	ST-L		1	0	2	2	6
685	MS	685MS	Mosquet	STV-FSL		1	0	2	2	6
685	MwA	685MwA	McConnel	SL		1	0	7	2	6
685	MwA	685MwA	McConnel	SL		2	7	12	2	6
685	MwA	685MwA	McConnel	SL		3	12	60	20	20
685	NdA	685NdA	Nevador	LFS		1	0	5	2	6
685	NdB	685NdB	Nevador	LFS		1	0	5	2	6
685	NeA	685NeA	Nevador	FSL		1	0	5	2	6
685	NeB	685NeB	Nevador	FSL		1	0	5	2	6
685	OC	685OC	Old Camp	GR-L		1	0	2	2	6
685	OC	685OC	Old Camp	STX-L		1	0	2	2	6
685	OC	685OC	Rock Outcrop			1	0	2	2	6
685	OG	685OG	Langston	GR-SL		3	16	54	20	20
685	OG	685OG	Old Camp	GR-L		3	16	54	20	20
685	OS	685OS	Badland			1	0	4	2	6
685	OS	685OS	Badland			4	21	60	6	20
685	OS	685OS	Olson	FSL	THICK	1	0	4	2	6
685	OS	685OS	Olson	FSL	THICK	4	21	60	6	20
685	PM	685PM	Mascamp	STX-SL		1	0	7	2	6
685	PM	685PM	Powley	GR-FSL	THICK	1	0	7	2	6
685	Rh	685Rh	Riverwash	GR-COS		1	0	6	6	20
685	Rh	685Rh	Riverwash	GR-COS		2	6	60	6	20
685	RM	685RM	Home Camp	BYV-L		1	0	60	20	20
685	RM	685RM	Rubble Land	FRAG		1	0	60	20	20
685	RN	685RN	Mendeboure	STV-L		1	0	60	20	20
685	RN	685RN	Rubble Land	FRAG		1	0	60	20	20
685	Rr	685Rr	Rock Outcrop	UWB		1	0	60	20	20
685	Rr	685Rr	Rubble Land	FRAG		1	0	60	20	20
685	ScE	685ScE	Schamp	ST-L		5	58	61	2	6
685	SdB	685SdB	Simpson	SL		1	0	3	2	6
685	SdB	685SdB	Simpson	SL		3	23	37	2	6
685	SdB	685SdB	Simpson	SL		4	37	48	6	20
685	SgC	685SgC	Simpson	GR-SL		1	0	3	2	6
685	SgC	685SgC	Simpson	GR-SL		3	23	37	2	6
685	SgC	685SgC	Simpson	GR-SL		4	37	48	6	20
685	SmA	685SmA	Simpson	L		3	23	37	2	6
685	SmA	685SmA	Simpson	L		4	37	48	6	20
685	SnF	685SnF	Snag	STV-SL		1	0	20	2	6
685	SnF	685SnF	Snag	STV-SL		2	20	44	2	6
685	SrA	685SrA	Surprise	GR-SL		1	0	9	2	6
685	SrA	685SrA	Surprise	GR-SL		2	9	45	2	6
685	SrA	685SrA	Surprise	GR-SL		3	45	67	2	6
685	SrB	685SrB	Surprise	GR-SL		1	0	9	2	6
685	SrB	685SrB	Surprise	GR-SL		2	9	45	2	6
685	SrB	685SrB	Surprise	GR-SL		3	45	67	2	6
685	SrC	685SrC	Surprise	GR-SL		1	0	9	2	6
685	SrC	685SrC	Surprise	GR-SL		2	9	45	2	6
685	SrC	685SrC	Surprise	GR-SL		3	45	67	2	6
685	SuB2	685SuB2	Survya	FSL		4	11	60	6	20
685	SV	685SV	Survya	FSL		1	0	4	20	20
685	SV	685SV	Survya	FSL		2	4	60	20	20
685	SV	685SV	Survya	FSL		4	11	60	6	20
685	SV	685SV	Zorravista	FS		1	0	4	20	20
685	SV	685SV	Zorravista	FS		2	4	60	20	20
685	SV	685SV	Zorravista	FS		4	11	60	6	20

SSA	MUSYM	MUID	COMPNAME	SURFTEX	PANHA	LAYERNUM	LAYDEPL	LAYDEPH	PERML	PERMH
685	SyB2	685SyB2	Survya Variant	FSL	THICK	1	0	1	2	6
685	SyB2	685SyB2	Survya Variant	FSL	THICK	5	29	44	6	20
685	VP	685VP	Pegler	FSL		1	0	2	2	6
685	VP	685VP	Pegler	FSL		1	0	3	2	6
685	VP	685VP	Vylach	FSL	THIN	1	0	2	2	6
685	VP	685VP	Vylach	FSL	THIN	1	0	3	2	6
685	VY	685VY	Pegler	FSL		1	0	2	2	6
685	VY	685VY	Pegler	FSL		1	0	3	2	6
685	VY	685VY	Vylach	FSL	THIN	1	0	2	2	6
685	VY	685VY	Vylach	FSL	THIN	1	0	3	2	6
685	WaE	685WaE	Waca	ST-FSL		1	0	8	2	6
685	WaE	685WaE	Waca	ST-FSL		2	8	30	2	6
685	WaF	685WaF	Waca	ST-FSL		1	0	8	2	6
685	WaF	685WaF	Waca	ST-FSL		2	8	30	2	6
685	WaG	685WaG	Waca	ST-FSL		1	0	8	2	6
685	WaG	685WaG	Waca	ST-FSL		2	8	30	2	6
685	WD	685WD	Hapgood	ST-FSL		1	0	8	2	6
685	WD	685WD	Hapgood	ST-FSL		2	8	30	2	6
685	WD	685WD	Waca	ST-FSL		1	0	8	2	6
685	WD	685WD	Waca	ST-FSL		2	8	30	2	6
685	WE	685WE	Snag	STV-SL		1	0	20	2	6
685	WE	685WE	Snag	STV-SL		1	0	8	2	6
685	WE	685WE	Snag	STV-SL		2	20	44	2	6
685	WE	685WE	Snag	STV-SL		2	8	30	2	6
685	WE	685WE	Waca	ST-FSL		1	0	20	2	6
685	WE	685WE	Waca	ST-FSL		1	0	8	2	6
685	WE	685WE	Waca	ST-FSL		2	20	44	2	6
685	WE	685WE	Waca	ST-FSL		2	8	30	2	6
685	WfF	685WfF	Waca Variant	GRV-SL		1	0	9	6	20
685	WfF	685WfF	Waca Variant	GRV-SL		2	9	19	6	20
685	ZoC	685ZoC	Zorravista	FS		1	0	4	20	20
685	ZoC	685ZoC	Zorravista	FS		2	4	60	20	20
685	ZR	685ZR	Couch	L		1	0	4	20	20
685	ZR	685ZR	Couch	L		2	4	60	20	20
685	ZR	685ZR	Zorravista	FS		1	0	4	20	20
685	ZR	685ZR	Zorravista	FS		2	4	60	20	20