

**Appendix A. Summary of Lithology Recorded on Cross-Section Well Logs**  
**Hydrogeologic Investigation of the Salinas Valley Basin in the Vicinity of Fort Ord and**  
**Marina**  
**Monterey County Water Resources Agency**

<b>Cross-Section C-C'</b>	<b>Top</b>	<b>Bottom</b>		<b>GEOBASE</b>
<b>Well Names</b>	<b>(feet bgs)</b>	<b>(feet bgs)</b>	<b>Boring log record</b>	<b>Code</b>
15S/2E-09E *	0	0.5	soil, sandy silt	topsoil
15S/2E-09E *	0.5	1	sandy silt hardpan	sand
15S/2E-09E *	1	9.5	sand, fine, brown, well sorted	fine sand
15S/2E-09E *	9.5	12.5	sand, fine, white	fine sand
15S/2E-09E *	12.5	33	sand, fine to med, brown	sand
15S/2E-09E *	33	41	sandy silt, very fine, brown	fine sand
15S/2E-09E *	41	60	sand, fine to med, slightly cemented	fine sand
15S/2E-09E *	60	70	silty sand, light brown	sand
15S/2E-09E *	70	87	sand, fine to med, brown, cemented, bit chatter	sand
15S/2E-09E *	87	170	sand, fine to med, light brown	sand
15S/2E-09E *	170	235	sand, fine to med, gray brown	sand
15S/2E-09E *	235	250	sand, med to coarse, gray brown	sand
15S/2E-09E *	250	269	sand and gravel, coarse sand, gravel < 1/2"	gravel/sand
15S/2E-09E *	269	330	silty sand, very fine sand, brown	fine sand
15S/2E-09E *	330	336	sandy silt, yellow brown	sand
15S/2E-09E *	336	350	sand, fine to very fine, yellow brown	fine sand
15S/2E-09E *	350	357	sand, fine to very fine, brown, slightly silty	fine sand
15S/2E-09E *	357	385	silty sand, very fine sand, brown	fine sand
15S/2E-09E *	385	388	sandy silt, very fine sand, brown	fine sand
15S/2E-09E *	388	417	sity sand, very fine sand, brown	fine sand
15S/2E-09E *	417	430	sity clay, brownish white	clay
15S/2E-09E *	430	436	sity clay, streaks lean white clay	clay
15S/2E-09E *	436	452	sity clay, light brown, firm	brown clay
15S/2E-09E *	452	465	sand and gravel, cemented, white and tan, silty	gravel/sand
15S/2E-09E *	465	473	sand and gravel, cemented, streaks brown clay	gravel/sand
15S/2E-09E *	473	494	sandy, clayey silt, brown	sand
15S/2E-09E *	494	500	clayey silt, brown	brown clay
15S/2E-04C	0	124	fine to med sand	sand
15S/2E-04C	124	200	medium sand	sand
15S/2E-04C	200	240	tight sand - medium	sand
15S/2E-04C	240	255	sandy clay	sandy clay
15S/2E-04C	255	280	med to fine sand	fine sand
15S/2E-04C	280	317	sandy clay	sandy clay
15S/2E-04C	317	383	rock, cobbles, very hard, tight sand	gravel/sand
15S/2E-04C	383	425	sand and clay streaks	sandy clay
15S/2E-04C	425	484	sandy clay	sandy clay
15S/2E-04C	484	528	fine sand with some clay	fine sand
15S/2E-04C	528	570	clay with sand stringers	sandy clay
14S/2E-33Q01	0	5	top soil	topsoil

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<b>Well Names</b>	<b>(feet bgs)</b>	<b>(feet bgs)</b>	<b>Boring log record</b>	<b>Code</b>
14S/2E-33Q01	5	98	med sand	sand
14S/2E-33Q01	98	142	sandy clay	sandy clay
14S/2E-33Q01	142	258	brown med sand	sand
14S/2E-33Q01	258	280	clay	clay
14S/2E-33Q01	280	293	brown sand	sand
14S/2E-33Q01	293	316	brown clay	brown clay
14S/2E-33Q01	316	390	rocks, cobbles, hard cemented sand	gravel/sand
14S/2E-33Q01	390	444	clay with sand stringers	sandy clay
14S/2E-33Q01	444	485	sand with clay stringers	sandy clay
14S/2E-33Q01	485	522	silty clay	clay
14S/2E-33Q01	522	540	sand	sand
14S/2E-33Q01	540	570	clay with sand stringers	clay
14S/2E-33P01	0	118	dry sand	sand
14S/2E-33P01	118	120	sandy brown clay	sandy clay
14S/2E-33P01	120	152	brown clay	brown clay
14S/2E-33P01	152	172	sand w/layers of clay	sandy clay
14S/2E-33P01	172	270	sand	sand
14S/2E-33P01	270	272	red sandstone	red sand
14S/2E-33P01	272	296	red sand w/sandstone streaks	red sand
14S/2E-33P01	296	310	brown clay	brown clay
14S/2E-33P01	310	322	mucky sand	sand
14S/2E-33P01	322	344	sandy brown clay	sandy clay
14S/2E-33P01	344	354	brown, clay w/rocks	gravelly clay
14S/2E-33P01	354	384	sand and gravel (1-4" rock)	gravel/sand
14S/2E-33P01	384	390	white clay	white clay
14S/2E-33P01	390	396	blue clay	blue clay
14S/2E-33P01	396	402	sand w/pea gravel	gravel/sand
14S/2E-33P01	402	462	sand and gravel (1-10" rock)	gravel/sand
14S/2E-33P01	462	472	yellow clay	gravel/sand
14S/2E-33P01	472	480	sand and gravel (pea - 4")	yellow clay
14S/2E-33P01	480	488	brown clay	gravel/sand
14S/2E-33P01	488	498	sand	sand
14S/2E-33P01	498	504	yellow clay	yellow clay
14S/2E-33P01	504	506	sand	sand
14S/2E-33P01	506	518	sand and gravel (1-4" rock)	gravel/sand
14S/2E-33P01	518	522	brown sandstone	sandstone
14S/2E-33P01	522	578	fine brown gravelly sand	gravel/sand
14S/2E-33P01	578	532	yellow gravelly clay	gravelly clay
14S/2E-33P01	532	542	fine brown sand	fine sand

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<b>Cross-Section C-C'</b>	<b>Top</b>	<b>Bottom</b>		<b>GEOBASE</b>
<b>Well Names</b>	<b>(feet bgs)</b>	<b>(feet bgs)</b>	<b>Boring log record</b>	<b>Code</b>
14S/2E-33P01	542	552	brown s clay	brown clay
14S/2E-33P01	552	554	hard brown clay	brown clay
14S/2E-27N50	0	16	top soil	topsoil
14S/2E-27N50	16	30	sandy clay	sandy clay
14S/2E-27N50	30	112	blue clay	blue clay
14S/2E-27N50	112	146	sandy blue clay	blue clay
14S/2E-27N50	146	186	sand and gravel (3-4" rocks)	gravel/sand
14S/2E-27N50	186	204	fine sand	fine sand
14S/2E-27N50	204	206	sand and gravel	gravel/sand
14S/2E-27N50	206	208	white clay	white clay
14S/2E-27N50	208	216	sandy clay	sandy clay
14S/2E-27N50	216	258	sand and rocks (3-6" rocks)	gravel/sand
14S/2E-27N50	258	270	yellow clay	yellow clay
14S/2E-27N50	270	272	sand and gravel (pea)	gravel/sand
14S/2E-27N50	272	274	yellow clay	yellow clay
14S/2E-27N50	274	302	sand and gravel (4-8") sand at bottom	gravel/sand
14S/2E-27N50	302	328	yellow clay	yellow clay
14S/2E-27N50	328	334	sand and gravel (2-6" rocks)	gravel/sand
14S/2E-27N50	334	354	yellow clay	yellow clay
14S/2E-27N50	354	364	sand	sand
14S/2E-27N50	364	374	sandy yellow clay	yellow clay
14S/2E-27N50	374	382	sand and gravel (pea to 1")	gravel/sand
14S/2E-27N50	382	386	sand and gravel w/clay	snd/grvl/cly
14S/2E-27N50	386	396	sand gravel (2-4")	gravel/sand
14S/2E-27N50	396	410	yellow clay	yellow clay
14S/2E-27N50	410	440	sand	sand
14S/2E-27N50	440	456	yellow clay	yellow clay
14S/2E-27N50	456	472	sand and gravel (1-2")	gravel/sand
14S/2E-27N50	472	482	ywllow clay	yellow clay
14S/2E-27N50	482	488	rocks (1-3")	gravel
14S/2E-27N50	488	492	red sandstone/white clay	red sand
14S/2E-27N50	492	508	sand	sand
14S/2E-27N50	508	520	red sand	red sand
14S/2E-27N50	520	524	white sandstone	white sand
14S/2E-27N50	524	564	sand	sand
14S/2E-27N50	564	588	sand and gravel (1-2")	gravel/sand
14S/2E-27N50	588	618	sand	sand
14S/2E-27N50	618	624	sand and gravel (1-3")	gravel/sand
14S/2E-27N50	624	634	sand, yellow clay	yellow clay

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<b>Well Names</b>	<b>(feet bgs)</b>	<b>(feet bgs)</b>	<b>Boring log record</b>	<b>Code</b>
14S/2E-28J50	0	8	soil	topsoil
14S/2E-28J50	8	26	sandy brown clay	sandy clay
14S/2E-28J50	26	141	blue clay	blue clay
14S/2E-28J50	141	150	sand and gravel rocks to 2"	gravel/sand
14S/2E-28J50	150	182	sand and gravel rocks to 5"	gravel/sand
14S/2E-28J50	182	205	blue clay	blue clay
14S/2E-28J50	205	238	sand	sand
14S/2E-28J50	238	264	yellow clay	yellow clay
14S/2E-28J50	264	285	cemented gravel	gravel
14S/2E-28J50	285	293	sand and gravel rocks to 2"	gravel/sand
14S/2E-28J50	293	300	sand	sand
14S/2E-28J50	300	340	yellow clay	yellow clay
14S/2E-28J50	340	370	blue clay	blue clay
14S/2E-28J50	370	380	yellow clay with sand and fine gravel	snd/grvl/clay
14S/2E-28J50	380	412	yellow clay	yellow clay
14S/2E-28J50	412	420	yellow clay, small amount of gravel	gravelly clay
14S/2E-28J50	420	436	yellow clay	yellow clay
14S/2E-28J50	436	444	yellow clay, small amount of water	yellow clay
14S/2E-28J50	444	450	yellow clay	yellow clay
14S/2E-28J50	450	482	brown lumpy sand and clay	sandy clay
14S/2E-28J50	482	486	rocks	gravel
14S/2E-28J50	486	492	brown sand	sand
14S/2E-28J50	492	510	hard brown clay	brown clay
14S/2E-28H03	0	14	top soil	topsoil
14S/2E-28H03	14	36	sandy clay	sandy clay
14S/2E-28H03	36	44	brown clay	brown clay
14S/2E-28H03	44	48	sandy blue clay	blue clay
14S/2E-28H03	48	84	blue clay	blue clay
14S/2E-28H03	84	132	sandy blue clay	blue clay
14S/2E-28H03	132	154	fine blue sand and gravel	gravel/sand
14S/2E-28H03	154	230	gravel 1-3"	gravel
14S/2E-28H03	230	262	sand and some gravel	gravel/sand
14S/2E-28H03	262	276	hard yellow sandy clay	sandy clay
14S/2E-28H03	276	312	gravel 1-4"	gravel
14S/2E-28H03	312	322	brown sandstone	sandstone
14S/2E-28H03	322	340	sand and gravel (1-2")	gravel/sand
14S/2E-28H03	340	344	yellow clay	yellow clay
14S/2E-28H03	344	354	sand and some gravel	gravel/sand
14S/2E-28H03	354	362	yellow clay	yellow clay

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<b>Well Names</b>	<b>(feet bgs)</b>	<b>(feet bgs)</b>	<b>Boring log record</b>	<b>Code</b>
14S/2E-28H03	362	386	gravel 1-5"	gravel
14S/2E-28H03	386	396	sand and gravel w/streaks of clay	snd/grvl/clay
14S/2E-28H03	396	408	brown clay	brown clay
14S/2E-28H03	408	422	sand coarse	coarse sand
14S/2E-28H03	422	426	yellow clay	yellow clay
14S/2E-28H03	426	438	sand and gravel w/streaks of clay	snd/grvl/clay
14S/2E-28H03	438	446	brown clay	brown clay
14S/2E-28H03	446	472	blue clay	blue clay
14S/2E-28H03	472	498	sand and gravel tight	gravel/sand
14S/2E-28H03	498	518	red sand	red sand
14S/2E-28H03	518	522	red sandstone	red sand
14S/2E-28H03	522	530	mushy brown clay	brown clay
14S/2E-28H03	530	542	brown clay	brown clay
14S/2E-28H03	542	548	sand and gravel (1-2") w/clay	snd/grvl/clay
14S/2E-28H03	548	556	brown clay	brown clay
14S/2E-28H03	556	582	sand	sand
14S/2E-28H03	582	600	sand and gravel w/streaks of clay	snd/grvl/clay
14S/2E-28H03	600	606	yellow clay	yellow clay
14S/2E-28H03	606	620	sandy gravel w/streaks of clay	snd/grvl/clay
14S/2E-28H03	620	636	sand and gravel (1-3")	gravel/sand
14S/2E-28H03	636	654	yellow clay	yellow clay
14S/2E-28H03	654	656	gravelly yellow clay	gravelly clay
14S/2E-28H03	656	660	yellow clay w/gravel	gravelly clay
14S/2E-28H03	660	720	yellow clay	yellow clay
14S/2E-22P02	0	30	sandy blue clay	blue clay
14S/2E-22P02	30	92	blue clay	blue clay
14S/2E-22P02	92	105	fine sand	fine sand
14S/2E-22P02	105	125	blue clay	blue clay
14S/2E-22P02	125	140	fine sand	fine sand
14S/2E-22P02	140	160	sand and gravel	gravel/sand
14S/2E-22P02	160	204	sand and gravel	gravel/sand
14S/2E-22P02	204	223	yellow clay	yellow clay
14S/2E-22P02	223	238	gravel and layers of clay	gravel
14S/2E-22P02	238	253	sand and fine gravel	gravel/sand
14S/2E-22P02	253	261	gravel and layers of fine clay	gravel/sand
14S/2E-22P02	261	274	gravel	gravel
14S/2E-22P02	274	282	clay and gravel	gravelly clay
14S/2E-22P02	282	304	gravel	gravel
14S/2E-22K01	0	3	top soil	topsoil

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14S/2E-22K01	3	30	brown clay	brown clay
14S/2E-22K01	30	186	blue clay	blue clay
14S/2E-22K01	186	210	yellow sandy clay	sandy clay
14S/2E-22K01	210	220	shale gravel	gravel
14S/2E-22K01	220	250	coarse sand	coarse sand
14S/2E-22K01	250	310	gravel rock	gravel
14S/2E-22K01	310	390	gravel w/yellow streaks of clay	gravel
14S/2E-22K01	390	450	gravel - yellow clay	gravelly clay
14S/2E-22K01	450	470	gray clay and gravel	gravelly clay
14S/2E-22K01	470	610	gravel - streaks of gray clay	gravelly clay
14S/2E-22K01	610	630	sand gravel	gravel/sand
14S/2E-22K01	630	670	fine sand	fine sand
14S/2E-22K01	670	720	coarse sand	coarse sand
14S/2E-22K01	720	760	fine sand	fine sand
14S/2E-22K01	760	780	fine sand - streak clay	fine sand
14S/2E-22K01	780	820	coarse sand	coarse sand
14S/2E-22K01	820	840	blue clay	blue clay
14S/2E-22K01	840	880	yellow clay	yellow clay
14S/2E-22K01	880	940	blue clay	blue clay
14S/2E-22K01	940	960	blue clay - gravel	gravelly clay
14S/2E-22K01	960	1000	gravel streaks blue clay	gravel
14S/2E-22K01	1000	1100	coarse sand - streaks blue clay	blue sand
14S/2E-22K01	1100	1140	fine sand - yellow clay	sandy clay
14S/2E-22K01	1140	1160	fine sand - yellow clay	fine sand
14S/2E-22K01	1160	1200	fine sand	fine sand
14S/2E-22K01	1200	1240	fine sand - coarse sand	sand
14S/2E-22K01	1240	1260	fine sand - streak clay	fine sand
14S/2E-22K01	1260	1280	blue clay - gravel	gravelly clay
14S/2E-22K01	1280	1320	clay - gravel	gravelly clay
14S/2E-22K01	1320	1340	clay - sand	sandy clay
14S/2E-22K01	1340	1360	blue clay - silt	blue clay
14S/2E-22K01	1360	1380	blue clay - gravel	gravelly clay
14S/2E-22K01	1380	1440	fine sand - silt	fine sand
14S/2E-22K01	1440	1520	clay - sand streaks	clay
14S/2E-22K01	1520	1620	fine sand - blue clay	sandy clay
14S/2E-22K01	1620	1640	shale - fine sand - blue	fine sand

**Notes:**

\* a partial boring log description is provided for this well