

**Table XX.** Lithologic SIEVE log for multiple-well monitoring site SDMC (17S/02W-33D01-05S), near San Diego, San Diego County, California, May-June 2005

[Location shown in figure XX. Altitude of land surface, approximately XX feet above vertical datum. Depth is in feet below land surface. Soil and rock color notation from Munsell Color (1994). Drilled by U.S. Geological Survey using hydraulic rotary to 1,502 feet, May-June 2005. Total depth drilled 1,502ft. Well casing to 1,480ft. Screened interval: 1,440-1,480, 1,100-1,120, 700-720, 260-280, and 35-75ft.]

Depth (ft)		Description
From	To	
0	17	No sample collected
17	37	Sand (S); fine to very fine sand; very well sorted; subangular to subrounded; dark grayish brown (2.5Y 4/2)
37	57	Sand (S); fine to very fine sand; well sorted; subangular to subrounded; olive brown (2.5Y 4/3)
57	67	Sand (S); fine to medium sand with minor very fine to very coarse sand and trace gravel <4 mm; poorly sorted; subangular to subrounded; olive brown (2.5Y 4/3)
67	77	No sample collected
77	90	Sand (S); fine to medium sand with minor very fine sand; moderately sorted; subangular to subrounded; olive brown (2.5Y 4/3)
90	97	No sample collected
97	117	Slightly gravelly silty sand ((g)mS); very fine to fine sand, silt, and minor gravel <11 mm; poorly sorted; subangular to rounded; olive brown (2.5Y 4/3)
117	137	Sand (S); fine to medium sand with minor very fine to very coarse sand and gravel <4 mm; poorly sorted; subangular to rounded; olive brown (2.5Y 4/3)
137	157	Sand (S); fine to medium sand; well sorted; subangular to subrounded; dark grayish brown (2.5Y 4/2)
157	177	Gravelly sand (gS); fine to medium sand with minor coarse to very coarse sand and gravel <12 mm; poorly sorted; subangular to rounded; olive brown (2.5Y 4/3)
177	197	Sand (S); fine to medium sand with minor silt and clay; well to moderately sorted; subangular to subrounded; olive brown (2.5Y 4/3)
197	217	Sand (S); medium to coarse sand with minor fine to very coarse sand and trace gravel <4 mm; poorly sorted; subangular to rounded; brown (10YR 4/3)

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Depth (ft)		Description
From	To	
217	237	Gravelly sand (gS); very fine to very coarse sand, gravel <11 mm and minor silt; poorly sorted; subangular to rounded; brown (10YR 4/3)
237	257	Sand (S); fine to medium sand; well sorted; subangular to subrounded; olive brown (2.5Y 4/3)
257	277	Slightly gravelly sand ((g)S); fine to medium sand with minor very fine to very coarse sand and gravel <12 mm; poorly sorted; subangular to rounded; olive brown (2.5Y 4/3)
277	297	Slightly gravelly sand ((g)S); fine to medium sand with minor very fine to very coarse sand and gravel <14 mm; poorly sorted; subangular to rounded; brown (10YR 4/3)
297	317	Sand (S); very fine to fine sand; well sorted; subangular to subrounded; light olive brown (2.5Y 5/3)
317	337	Sand (S); fine to medium sand with minor very fine to very coarse sand and trace gravel <15 mm; poorly sorted; subangular to rounded; light olive brown (2.5Y 5/3)
337	357	Sand (S); fine to coarse sand with minor very fine to very coarse sand; poorly sorted; subangular to subrounded; olive brown (2.5Y 4/3)
357	360	No sample collected
360	380	Sand (S); fine to medium sand with minor very fine to very coarse sand and trace gravel <5 mm; poorly sorted; subangular to rounded; olive brown (2.5Y 4/3)
380	400	Sand (S); fine to medium with minor very fine to very coarse sand and trace gravel <6 mm; poorly sorted; subangular to rounded; dark yellowish brown (10YR 4/4)
400	420	Slightly gravelly sand ((g)S); fine to medium sand with minor very fine to very coarse sand and gravel <10 mm; poorly sorted; subangular to rounded; dark yellowish brown (10YR 4/4)
420	440	Sand (S); fine to medium sand with minor coarse to very coarse sand; moderately sorted; subangular to subrounded; dark yellowish brown (10YR 4/4)
440	460	Sand (S); fine to medium sand with minor very fine to very coarse sand and trace gravel <6 mm; poorly sorted; subangular to rounded; dark yellowish brown (10YR 4/4)

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From	To	
460	480	Sand (S); fine to medium sand with minor very fine to very coarse sand and trace gravel <5 mm; poorly sorted; subangular to rounded; olive brown (2.5Y 4/3)
480	500	Sand (S); very fine to fine sand with minor medium to very coarse sand; moderately sorted; subangular to subrounded; olive brown (2.5Y 4/3)
500	520	Sand (S); fine to medium sand with minor very fine to very coarse sand; moderately sorted; subangular to rounded; olive brown (2.5Y 4/3)
520	540	Sand (S); fine to medium sand with minor coarse sand; well sorted; subangular to subrounded; olive brown (2.5Y 4/3)
540	560	Sand (S); fine to medium sand with minor very fine sand; well sorted; subangular to subrounded; olive brown (2.5Y 4/3)
560	580	Sand (S); fine to medium sand; well to very well sorted; subangular to subrounded; olive brown (2.5Y 4/3)
580	600	Sand (S); fine to very fine sand; well sorted; subangular to subrounded; olive brown (2.5Y 4/3)
600	620	Sand (S); fine sand with minor very fine to very coarse sand and trace gravel <4 mm; moderately sorted; subangular to subrounded; olive brown (2.5Y 4/3)
620	640	Slightly gravelly sand ((g)S); fine to medium sand with minor very fine to very coarse sand and gravel <7 mm; poorly sorted; subangular to rounded; olive brown (2.5Y 4/3)
640	660	Sand (S); fine sand with minor very fine to very coarse sand with trace gravel <15 mm; moderately sorted; subangular to rounded; light olive brown (2.5Y 5/3)
660	680	Sand (S); fine to medium sand with minor very fine sand; well sorted; subangular to subrounded; light olive brown (2.5Y 5/3)
680	700	Sand (S); fine sand with minor very fine to coarse sand; well sorted; subangular to subrounded; olive brown (2.5Y 4/3)
700	720	Sand (S); fine to medium sand with minor very fine to coarse sand; moderately sorted; subangular to subrounded; light olive brown (2.5Y 5/3)

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Depth (ft)		Description
From	To	
720	740	Sand (S); fine to medium sand with minor very fine to coarse sand and trace gravel <7 mm; moderately sorted; subangular to subrounded; light olive brown (2.5Y 5/3)
740	760	Sand (S); fine to medium sand with minor very fine to very coarse sand; moderately sorted; subangular to subrounded; light olive brown (2.5Y 5/3)
760	780	Sand (S); fine to medium sand with minor very fine to very coarse sand; moderately sorted; subangular to subrounded; olive (5Y 4/3); <i>minor shell fragments</i>
780	800	Sand (S); fine to medium sand with minor very fine to very coarse sand; moderately sorted; subangular to subrounded; light olive brown (2.5Y 5/3); <i>minor shell fragments</i>
800	820	Sand (S); fine to medium sand with minor very fine to very coarse sand and trace gravel <12 mm; poorly sorted; subangular to rounded; light olive brown (2.5Y 5/3); <i>minor shell fragments</i>
820	840	Slightly gravelly sand ((g)S); fine to medium sand with minor very fine to very coarse sand and minor gravel <5 mm; poorly sorted; subangular to rounded gravel; light olive brown (2.5Y 5/3)
840	860	Sand (S); fine to medium sand with minor very fine to very coarse sand and trace gravel <6 mm; poorly sorted; subangular to rounded; dark grayish brown (2.5Y 4/2)
860	880	Sand (S); fine to medium sand; well sorted; subangular to subrounded; dark grayish brown (2.5Y 4/2); <i>minor shell fragments</i>
880	900	Sand (S); fine to medium sand; well sorted; subangular to subrounded; dark grayish brown (2.5Y 4/2); <i>minor shell fragments</i>
900	949	No sample collected
949	969	Sand (S); fine to medium sand with minor coarse to very coarse sand and trace gravel <20 mm; moderately sorted; subangular to rounded; dark grayish brown (2.5Y 4/2); <i>minor shell fragments</i>
969	989	Sand (S); fine to medium sand; well sorted; subangular to subrounded; very dark gray (2.5Y 3/1); <i>minor shell fragments</i>
989	1009	Clayey sand (cS); very fine to very coarse sand and clay and trace gravel <5 mm; poorly sorted; subangular to subrounded; very dark grayish brown (2.5Y 3/2)

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Depth (ft)		Description
From	To	
1009	1029	Silty sand (zS); very fine sand and silt with minor fine to very coarse sand and trace gravel <6 mm; poorly sorted; subangular to rounded; very dark grayish brown (2.5Y 3/2); <i>trace shell fragments</i>
1029	1049	Sand (S); very fine to fine sand with minor medium to very coarse sand; well sorted; subangular to subrounded; dark grayish brown (2.5Y 4/2)
1049	1069	Silty sand (zS); very fine sand with silt and minor fine to medium sand; well sorted; subangular to subrounded; dark grayish brown (2.5Y 4/2)
1069	1089	Sand (S); fine to medium sand with minor very fine to very coarse sand and clay; poorly sorted; subangular to subrounded; dark grayish brown (2.5Y 4/2); <i>trace shell fragments</i>
1089	1109	Sand (S); fine to medium sand with minor coarse sand; well sorted; subangular to subrounded; dark grayish brown (2.5Y 4/2); <i>minor shell fragments</i>
1109	1129	Sand (S); fine to medium sand; well sorted; subangular to subrounded; dark grayish brown (2.5Y 4/2); <i>minor shell fragments</i>
1129	1149	Sand (S); fine to medium sand with minor coarse sand; well sorted; subangular to subrounded; dark grayish brown (2.5Y 4/2)
1149	1169	Sand (S); fine to medium sand with minor coarse sand; well sorted; subangular to subrounded; dark grayish brown (2.5Y 4/2)
1169	1189	Sand (S); fine to medium sand; well sorted; subangular to subrounded; dark grayish brown (2.5Y 4/2)
1189	1209	Sand (S); fine to medium sand with minor coarse sand; well sorted; subangular to subrounded; dark grayish brown (2.5Y 4/2)
1209	1229	Sand (S); fine to coarse sand with minor very fine to very coarse sand and trace gravel <4 mm; poorly sorted; subangular to rounded; dark grayish brown (2.5Y 4/2)
1229	1249	Sand (S); fine sand with minor very coarse sand; well sorted; subangular to rounded; dark olive gray (5Y 3/2)
1249	1269	Sand (S); fine sand; very well sorted; subangular to subrounded; dark olive gray (5Y 3/2)
1269	1289	Sand (S); fine to very fine sand; well sorted; subangular to subrounded; olive gray (5Y 4/3)

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<b>Depth (ft)</b>		<b>Description</b>
<b>From</b>	<b>To</b>	
1289	1309	Sand (S); fine sand with minor very fine to medium sand; well sorted; subangular to subrounded; olive gray (5Y 4/3)
1309	1329	Sand (S); fine sand with minor very fine to medium sand; well sorted; subangular to subrounded; olive gray (5Y 4/3)
1329	1349	Sand (S); very fine to fine with minor medium sand and clay; moderately sorted; subangular to subrounded; olive gray (5Y 4/3)
1349	1369	Sand (S); very fine to fine sand; well sorted; subangular to subrounded; olive gray (5Y 4/3)
1369	1389	Sand (S); very fine sand with minor fine sand and silt; well sorted; subangular to subrounded; olive gray (5Y 4/3)
1389	1409	Silty sand (zS); very fine to fine sand with silt; well sorted; subangular to subrounded; dark olive gray (5Y 3/2)
1409	1429	Sand (S); very fine to fine sand; well sorted; subangular to subrounded; dark olive gray (5Y 3/2)
1429	1449	Sand (S); very fine to fine sand; well sorted; subangular to subrounded; olive gray (5Y 4/3)
1449	1469	Sand (S); very fine to fine sand; well sorted; subangular to subrounded; olive gray (5Y 4/3)