

Table XX. Lithologic SIEVE log for multiple-well monitoring site SDAQ (16S/02W-18J3S), 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 1,472 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	
58	78	Gravelly sand (gS); fine to very coarse sand and gravel <19 mm; poorly sorted; subangular to rounded; dark grayish brown (2.5Y 4/2)
80	90	Sand (S); fine to medium sand with minor coarse to very coarse sand and clay; moderately sorted; subangular to subrounded; dark grayish brown (2.5Y 4/2)
90	100	Sand (S); fine to medium sand with minor coarse to very coarse sand and clay; moderately sorted; subangular to subrounded; dark grayish brown (2.5Y 4/2)
100	110	Sandy silt (sZ); silt with very fine to fine sand and minor medium to very coarse sand; poorly sorted; dark grayish brown (2.5Y 4/2)
110	120	Sand (S); fine to medium sand with minor coarse sand; moderately sorted; subangular to subrounded; dark gray (2.5Y 4/1)
120	130	Sandy silt (sZ); silt with very fine to fine sand and minor coarse to very coarse sand; poorly sorted; dark olive gray (5Y 3/2); <i>shell fragments</i>
130	140	Gravelly sand (gS); very fine to very coarse sand with gravel <12 mm; poorly sorted; subangular to rounded; olive gray (5Y 4/2)
140	150	Sand (S); very fine to fine; well sorted; subangular to subrounded; dark olive gray (5Y 3/2)
150	160	Sand (S); very fine to fine sand; well sorted; subangular to subrounded; dark olive gray (5Y 3/2)
160	170	Sand (S); very fine to coarse sand; moderately to poorly sorted; subangular to subrounded; dark grayish brown (2.5Y 4/2)
170	180	Sand (S); very fine sand with minor silt; well sorted; subangular to subrounded; dark olive gray (5Y 3/2)
180	190	Sand (S); very fine sand with minor silt; well sorted; subangular to subrounded; dark olive gray (5Y 3/2); <i>fragments of sandstone</i>
190	200	Sand (S); very fine sand with minor silt; well sorted; subangular to subrounded; dark olive gray (5Y 3/2)

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Depth (ft)		Description
From	To	
200	210	Sand (S); very fine to fine sand; well sorted; subangular to subrounded; dark olive gray (5Y 3/2)
210	220	Sand (S); very fine to fine sand with trace gravel <12 mm; well sorted; subangular to subrounded; dark grayish brown (2.5Y 4/2)
220	228	Clay (C); clay; well sorted; very dark gray (5Y 3/1)
228	250	Sand (S); very fine to very coarse sand and trace gravel <14 mm; poorly sorted; subangular to subrounded; dark grayish brown (2.5Y 4/2); <i>minor shell fragments</i>
250	260	Sandy silt (sZ); silt with very fine sand; well sorted; dark grayish brown (2.5Y 4/2)
260	270	Sand (S); very fine to medium sand with minor silt; moderately sorted; subangular to subrounded; very dark grayish brown (2.5Y 3/2)
270	280	Silty sand (zS); very fine to fine sand with silt; well sorted; subangular to subrounded; very dark grayish brown (2.5Y 3/2)
280	290	Sand (S); very fine sand with minor silt; well sorted; subangular to subrounded; very dark grayish brown (2.5Y 3/2)
290	300	Sand (S); very fine sand with minor silt; well sorted; subangular to subrounded; very dark grayish brown (2.5Y 3/2)
300	310	Sand (S); very fine sand with minor silt; well sorted; subangular to subrounded; very dark grayish brown (2.5Y 3/2)
310	320	Silty sand (zS); very fine to fine sand with silt; well sorted; subangular to subrounded; very dark grayish brown (2.5Y 3/2)
320	330	Sand (S); very fine to fine sand; well sorted; subangular to subrounded; very dark grayish brown (2.5Y 3/2)
330	340	Silty sand (zS); very fine to fine sand with silt; well sorted; subangular to subrounded; very dark grayish brown (2.5Y 3/2)
340	350	Sand (S); very fine to fine sand; well sorted; subangular to subrounded; very dark grayish brown (2.5Y 3/2)
350	360	Sand (S); very fine to fine sand; well sorted; subangular to subrounded; very dark grayish brown (2.5Y 3/2)

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Depth (ft)		Description
From	To	
360	370	Sand (S); very fine to fine sand; well sorted; subangular to subrounded; very dark grayish brown (2.5Y 3/2)
370	380	Sand (S); very fine to fine sand; well sorted; subangular to subrounded; very dark grayish brown (2.5Y 3/2)
380	390	Sand (S); very fine to fine sand; well sorted; subangular to subrounded; very dark grayish brown (2.5Y 3/2)
390	400	Silty sand (zS); very fine to fine sand with silt; well sorted; subangular to subrounded; very dark grayish brown (2.5Y 3/2)
400	410	Sand (S); very fine to fine sand; well sorted; subangular to subrounded; very dark grayish brown (2.5Y 3/2)
410	420	Silty sand (zS); very fine sand with silt; well sorted; subangular to subrounded; very dark grayish brown (2.5Y 3/2)
420	430	Silty sand (zS); very fine sand with silt; well sorted; subangular to subrounded; dark olive gray (5Y 3/2)
430	440	Silty sand (zS); very fine to medium sand and silt; well to moderately sorted; subangular to subrounded; dark gray (5Y 4/1)
440	450	Silty sand (zS); very fine sand with silt; well sorted; subangular to subrounded; dark olive gray (5Y 3/2)
450	460	Silty sand (zS); very fine sand with silt; well sorted; subangular to subrounded; dark gray (5Y 4/1)
460	470	Silty sand (zS); very fine sand with silt, minor fine sand and trace gravel <5 mm; poorly sorted; subangular rounded; dark gray (5Y 4/1)
470	480	Silty sand (zS); very fine sand with silt and minor fine to medium sand; moderately sorted; subangular to subrounded; dark gray (5Y 4/1)
480	490	Sand (S); very fine to fine sand; well sorted; subangular to subrounded; dark gray (5Y 4/1)
490	500	Sand (S); very fine to fine sand; well sorted; subangular to subrounded; dark gray (5Y 4/1)
500	510	Sand (S); very fine to fine sand; well sorted; subangular to subrounded; dark olive gray (5Y 3/2)

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Depth (ft)		Description
From	To	
510	520	Sand (S); very fine to fine sand; well sorted; subangular to subrounded; dark olive gray (5Y 3/2)
520	530	Sand (S); very fine to fine sand; well sorted; subangular to subrounded; dark gray (2.5Y 4/1)
530	540	Sand (S); very fine to fine sand; well sorted; subangular to subrounded; dark gray (5Y 4/1)
540	550	Sand (S); very fine to fine sand; well sorted; subangular to subrounded; dark gray (2.5Y 4/1)
550	560	Sand (S); very fine to fine sand; well sorted; subangular to subrounded; dark gray (2.5Y 4/1)
560	570	Sand (S); very fine to fine sand; well sorted; subangular to subrounded; dark gray (2.5Y 4/1)
570	580	Sand (S); very fine to fine sand; well sorted; subangular to subrounded; dark gray (2.5Y 4/1)
580	590	Sand (S); very fine to fine sand; well sorted; subangular to subrounded; dark gray (2.5Y 4/1)
590	600	Sand (S); very fine to fine sand; well sorted; subangular to subrounded; dark gray (2.5Y 4/1)
600	610	Sand (S); very fine to fine sand; well sorted; subangular to subrounded; dark grayish brown (2.5Y 4/2)
610	620	Sand (S); very fine to fine sand; well sorted; subangular to subrounded; dark gray (2.5Y 4/1)
620	630	Sand (S); very fine to fine sand; well sorted; subangular to subrounded; dark gray (2.5Y 4/1)
630	640	Sand (S); very fine to fine sand; well sorted; subangular to subrounded; dark gray (2.5Y 4/1)
640	650	Sand (S); very fine to fine sand with minor medium to very coarse sand and trace gravel <8 mm; moderately sorted; subangular to subrounded; dark gray (2.5Y 4/1)
650	660	Sand (S); very fine to fine sand; well sorted; subangular to subrounded; dark gray (2.5Y 4/1)

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Depth (ft)		Description
From	To	
660	670	Sand (S); very fine to fine sand; well sorted; subangular to subrounded; very dark grayish brown (2.5Y 3/2)
670	680	Sand (S); very fine to fine sand; well sorted; subangular to subrounded; very dark grayish brown (2.5Y 3/2)
680	690	Sand (S); very fine to fine sand with minor medium to coarse sand; well sorted; subangular to subrounded; dark grayish brown (2.5Y 4/2)
690	700	Sand (S); very fine to fine with occasional medium to coarse sand; well sorted; subangular to subrounded
700	710	Sand (S); very fine to fine sand with minor medium to very coarse sand; well sorted; subangular to subrounded; dark gray (2.5Y 4/1)
710	720	Sand (S); very fine to fine sand with minor medium sand; well sorted; subangular to subrounded; dark gray (2.5Y 4/1)
720	730	Sand (S); very fine to fine sand; well sorted; subangular to subrounded; dark gray (2.5Y 4/1)
730	740	Sand (S); very fine to fine sand with minor medium to very coarse sand; moderately sorted; subangular to subrounded; dark grayish brown (2.5Y 4/2)
740	750	Sand (S); very fine to fine sand with minor clay; well sorted; subangular to subrounded; olive gray (5Y 4/2)
750	760	Sand (S); very fine to fine sand with minor clay; well sorted; subangular to subrounded; olive brown (2.5Y 4/3)
760	770	Clayey sand (cS); fine to medium sand with clay; moderately sorted; subangular to subrounded; olive (5Y 5/3)
770	780	Sandy clay (sC); clay with very fine to very coarse sand; poorly sorted; olive (5Y 5/3)
780	790	Sand (S); fine to medium sand with minor very fine and coarse to very coarse sand and silt; poorly sorted; subangular to subrounded; olive brown (2.5Y 4/3)
790	800	Clayey sand (cS); very fine to medium sand and clay; poorly sorted; subangular to subrounded; olive brown (5Y 5/3)
800	810	Sand (S); very fine to fine sand with minor medium sand and clay; poorly sorted; subangular to subrounded; olive (5Y 5/3)

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Depth (ft)		Description
From	To	
810	820	Sand (S); very fine to fine sand with minor medium sand and clay; poorly sorted; subangular to subrounded; olive brown (2.5Y 4/3)
820	830	Clayey sand (cS); very fine to fine sand with clay; poorly sorted; subangular to subrounded; olive gray (5Y 4/2)
830	840	Sandy clay (sC); clay with very fine to fine sand; poorly sorted; dark greenish gray (10Y 4/1)
840	850	Sandy clay (sC); clay with very fine sand; well sorted; dark greenish gray (10Y 3/1)
850	860	Sandy clay (sC); clay with very fine sand; well sorted; dark greenish gray (10Y 3/1)
860	870	Sand (S); very fine to fine sand with minor medium sand and silt; moderately sorted; subangular to subrounded; dark gray (5Y 4/1)
870	880	Sand (S); very fine to fine sand with minor medium sand and silt; moderately sorted; subangular to subrounded; dark gray (5Y 4/1)
880	890	Sand (S); very fine to fine sand with minor medium sand; moderately sorted; subangular to subrounded; dark gray (5Y 4/1)
890	900	Sand (S); very fine to very coarse sand with gravel <6 mm; poorly sorted; subangular to rounded; greenish black (10Y 2.5/1); <i>shell fragments</i> ; <i>sandstone fragments</i>
900	910	Sand (S); very fine to very coarse sand with gravel <6 mm; poorly sorted; subangular to rounded; greenish black (10Y 2.5/1); <i>sandstone fragments</i>
910	920	Sand (S); very fine to very coarse sand with gravel <6 mm; poorly sorted; subangular to rounded; greenish black (10Y 2.5/1); <i>sandstone fragments</i>
920	930	Sandy clay (sC); clay with very fine to fine sand; moderately sorted; olive gray (5Y 4/2)
930	940	Sandy clay (sC); clay with very fine to fine sand; moderately sorted; olive gray (5Y 4/2)
940	950	Sandy clay (sC); clay with very fine to fine sand; moderately sorted; olive gray (5Y 4/2)
