

Table XX. Lithologic Auger log for site SDSY Auger #1 (12S/1W-34L2 Test Hole), San Diego County, California, October 2010

Depth (ft)		Description
From	To	
0	20	Sandy gravel (sG); gravel <20mm with fine to very coarse sand; poorly sorted; subangular to well rounded; strong brown (7.5YR 5/6)
20	40	Slightly gravelly sand ((g)S); fine to very coarse sand with gravel <30mm; poorly sorted; subangular to well rounded; strong brown (7.5YR 5/6)
40	60	Sand (S); fine to medium with minor coarse to very coarse sand, minor gravel <8mm; moderately sorted; subangular to subrounded; brown (10YR 5/3)
60	80	Sandy silty clay (sM); clay with silt and fine to medium sand; moderately sorted; subangular to subrounded sand; brown (10YR 5/3)
80	100	Silty clay (M); clay with silt and minor very fine to fine sand; moderately sorted; subangular to subrounded; brown (10YR 5/3)
100	120	Silty sand (zS); fine to medium sand, silt, and minor coarse sand; moderately sorted; subangular to subrounded; brown (10YR 5/3)
120	140	Silty sand (zS); very fine to medium sand with silt, clay, and minor gravel <6mm; poorly sorted; subangular to rounded; brown (7.5YR 4/4)
140	160	Slightly gravelly silty sand ((g)mS); fine to coarse sand and silt with minor very coarse sand, gravel <6mm; poorly sorted; subangular to rounded; brown (10YR 5/3) with layers of light yellowish brown (2.5Y 6/3)
160	180	Silty sand (zS); fine to coarse sand with silt, and trace gravel <7mm; moderately sorted; subangular; grayish brown (10YR 5/6)
180	200	Gravelly sand (gS); fine to coarse with minor very coarse sand and gravel <10mm; poorly sorted; subangular to rounded; yellowish brown (10YR 5/6)
200	220	Gravelly sand (gS); fine to coarse with minor very coarse sand and gravel <15mm; moderately sorted; subangular to rounded; yellowish brown (10YR 5/6)
220	240	Slightly gravelly sand ((g)S); fine to medium sand with minor coarse to very coarse sand and gravel <5mm; moderately sorted, subangular to subrounded; yellowish brown (10YR 5/6)

Table XX. Lithologic SIEVE log for multiple-well monitoring site SDOT (18S/02W-22E03-07S), near San Diego, San Diego County, California, March 2008—Continued

Depth (ft)	Description
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From	To	
240	260	Gravelly sand (gS); very fine to medium sand with gravel <20mm; poorly sorted; subangular to rounded; yellowish brown (10YR 5/6)
260	280	Sand (S); fine to medium sand with minor coarse to very coarse sand; well sorted; subangular to subrounded; light yellowish brown (10YR 6/4)
280	300	Sand (S); fine to medium sand with minor coarse sand; well sorted; subangular to subrounded; brown (10YR 4/3)
300	320	Sand (S); fine to medium sand with minor coarse sand; well sorted; subangular to subrounded; brown (10YR 4/3)
320	340	Sand (S); fine to medium sand; well sorted; subangular to subrounded; yellowish brown (10YR 5/6)
340	360	Sand (S); fine to medium sand; well sorted; subangular to subrounded; yellowish brown (10YR 5/6)
360	380	Sand (S); fine to coarse sand; well sorted; subangular to subrounded; yellowish brown (10YR 5/6)
380	400	Sand (S); very fine to sand; moderately sorted; subangular to subrounded; yellowish brown (10YR 5/6)
400	420	Sandy gravel (sG); gravel <15mm with very fine to fine sand with minor medium to coarse sand; poorly sorted; subangular to rounded; light yellowish brown (10YR 6/4)
420	440	Sand (S); very fine to fine sand; well sorted, subangular to subrounded; dark gray (2.5Y 4/1)
440	460	Sandy silt (sZ); silt with very fine to fine sand; well sorted; dark gray (2.5Y 4/1); <i>abundant shell fragments</i>
460	480	Silty sand (zS); very fine to fine sand with silt; well sorted; subangular to subrounded; dark gray (2.5Y 4/1); <i>abundant shell fragments</i>
480	500	Silty sand (zS); very fine to fine sand with silt; well sorted; subangular to subrounded; dark gray (2.5Y 4/1)
500	520	Silty sand (zS); very fine to fine sand with silt; well sorted; subangular to subrounded; dark gray (2.5Y 4/1)
520	540	Silty sand (zS); very fine to fine sand with silt and trace gravel <5mm; well sorted; subangular to subrounded; dark gray (2.5Y 4/1)

Table XX. Lithologic SIEVE log for multiple-well monitoring site SDOT (18S/02W-22E03-07S), near San Diego, San Diego County, California, March 2008—Continued

Depth (ft)	Description
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From	To	
540	560	Silty sand (zS); very fine to medium sand with silt; moderately sorted; subangular to subrounded; dark gray (2.5Y 4/1)
560	580	Sand (S); very fine to fine sand with minor medium to coarse sand and silt; moderately sorted; subangular to rounded; dark gray (2.5Y 4/1)
580	600	Sandy clayey silt (sM); silt with clay and very fine sand; well sorted; dark gray (2.5Y 4/1)
600	620	Sandy clayey silt (sM); silt with clay and very fine sand; well sorted; dark gray (2.5Y 4/1)
620	640	Clayey silt (M); silt with clay; very well sorted; dark gray (2.5Y 4/1)
640	660	Clayey silt (M); silt with clay; very well sorted; dark gray (2.5Y 4/1)
660	680	Clayey silt (M); silt with clay; very well sorted; dark gray (2.5Y 4/1); <i>abundant shell fragments</i>
680	700	Clayey silt (M); silt with clay; very well sorted; dark gray (2.5Y 4/1)
700	720	Clayey silt (M); silt with clay; very well sorted; dark gray (2.5Y 4/1)
720	740	Silty clay (M); clay with silt; very well sorted; dark gray (2.5Y 4/1)
740	760	Silty clay (M); clay with silt; very well sorted; dark gray (2.5Y 4/1)
760	780	Silty clay (M); clay with silt; very well sorted; dark gray (2.5Y 4/1)
780	800	Silty clay (M); clay with silt; very well sorted; dark gray (2.5Y 4/1)
800	820	Silty clay (M); clay with silt; very well sorted; dark gray (2.5Y 4/1)
820	840	Silty clay (M); clay with silt; very well sorted; dark gray (2.5Y 4/1)
840	860	Clay (C); clay; very well sorted; dark gray (2.5Y 4/1)
860	880	Clay (C); clay; very well sorted; dark gray (2.5Y 4/1)
880	900	Clay (C); clay; very well sorted; dark gray (2.5Y 4/1)

Table XX. Lithologic SIEVE log for multiple-well monitoring site SDOT (18S/02W-22E03-07S), near San Diego, San Diego County, California, March 2008—Continued

Depth (ft)	Description
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From	To	
900	920	Silty sand (zS); very fine to medium sand with silt; moderately sorted; subangular to subrounded; dark gray (2.5 4/1); <i>minor shell fragments</i>
920	940	Clay (C); clay; very well sorted; dark gray (2.5Y 4/1)
940	960	Clay (C); clay; very well sorted; dark gray (2.5Y 4/1)
960	980	Clay (C); clay; very well sorted; dark gray (2.5Y 4/1)
980	1000	Clayey silt (M); silt with clay; well sorted; dark gray (2.5Y 4/1)
1000	1020	Silty sand (zS); very fine to fine sand and silt with minor clay; well to moderately sorted; subangular to subrounded; dark gray (2.5Y 4/1)
1020	1040	Clayey silty sand (mS); very fine sand with silt and clay; well sorted; subangular to subrounded; dark gray (2.5Y 4/1)
1040	1060	Clayey silty sand (mS); very fine sand with silt and clay; well sorted; subangular to subrounded; dark gray (2.5Y 4/1)
1060	1080	Clayey silty sand (mS); very fine sand with silt and clay; moderately to well sorted; subangular to subrounded; dark gray (2.5Y 4/1)
1080	1100	Clayey silty sand (mS); very fine sand with silt and clay; moderately sorted; subangular to subrounded; dark gray (2.5Y 4/1)
1100	1120	Silty clay (M); clay with silt and minor very fine sand; well sorted; dark gray (2.5Y 4/1)
1120	1140	Silty clay (M); clay with silt and minor very fine sand; well sorted; dark gray (2.5Y 4/1); <i>abundant shell fragments</i>
1140	1160	Clayey silt (M); silt with clay; very well sorted; dark gray (2.5Y 4/1)
1160	1180	Clayey silt (M); silt with clay; very well sorted; dark gray (2.5Y 4/1)
1180	1200	Clayey silt (M); silt with clay; very well sorted; dark gray (2.5Y 4/1)
1200	1220	Clayey silty sand (mS); very fine to fine sand with silt and clay; moderately to well sorted; subangular to subrounded; dark gray (2.5Y 4/1)
1220	1240	Silty sand (zS); very fine sand with silt; well sorted; subangular to subrounded; dark gray (2.5Y 4/1)

Table XX. Lithologic SIEVE log for multiple-well monitoring site SDOT (18S/02W-22E03-07S), near San Diego, San Diego County, California, March 2008—Continued

Depth (ft)	Description
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From	To	
1240	1260	Clayey silt (M); silt with clay and minor very fine sand; very well sorted; dark gray(2.5Y 4/1)
1260	1280	Silty sand (zS); very fine sand with silt; very well sorted; subangular to subrounded; dark gray(2.5Y 4/1)
1280	1300	Silty sand (zS); very fine sand with silt; very well sorted; subangular to subrounded; dark gray(2.5Y 4/1)
1300	1320	Sandy silt (sZ); silt with very fine sand; very well sorted; subangular to subrounded sand; dark gray(2.5Y 4/1)
1320	1340	Silt (Z); silt; very well sorted; dark gray(2.5Y 4/1)
1340	1360	Sand (S); very fine sand with minor silt; very well sorted; subangular to subrounded; dark gray(2.5Y 4/1)
1360	1380	Silt (Z); silt; verywell sorted; dark grayish brown(2.5Y 4/2)
1380	1400	Sandy silt (sZ); silt with very fine sand; very well sorted; dark grayish brown(2.5Y 4/2)
1400	1420	Silt (Z); silt with minor very fine sand; very well sorted; dark grayish brown(2.5Y 4/2)
1420	1440	Silt (Z); silt with minor very fine sand; very well sorted; dark grayish brown(2.5Y 4/2)
1440	1460	Silt (Z); silt; very well sorted; dark grayish brown(2.5Y 4/2)
1460	1480	Silt (Z); silt; very well sorted; dark grayish brown(2.5Y 4/2)
1480	1500	Silt (Z); silt; very well sorted; dark grayish brown(2.5Y 4/2)
1500	1520	Silt (Z); silt; very well sorted; dark grayish brown(2.5Y 4/2)
1520	1540	Silty sand (zS); very fine to fine sand with silt; well sorted; subangular to subrounded; dark grayish brown(2.5Y 4/2)
1540	1560	Sand (S); very fine to fine with minor medium sand; moderately to well sorted; subangular to subrounded; dark grayish brown(2.5Y 4/2)
1560	1580	Sand (S); very fine to fine sand with minor medium sand and silt; moderately sorted; subangular to subrounded; dark grayish brown(2.5Y 4/2)

Table XX. Lithologic SIEVE log for multiple-well monitoring site SDOT (18S/02W-22E03-07S), near San Diego, San Diego County, California, March 2008—Continued

Depth (ft)	Description
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From	To	
1580	1600	Sandy silt (sZ); silt with very fine sand; well sorted; dark grayish brown(2.5Y 4/2)
