

Table XX. Lithologic Shaker Log for multiple-well monitoring site Temecula Creek (TMTC) (8S/2W-15F1-5S)

[Altitude of land surface, approximately 1114 feet. Depth is in feet below land surface. Soil and rock color notation from Munsell Color (2000). Drilled by U.S. Geological Survey using hydraulic rotary, March 2013. Total depth drilled 1720 feet. Screened intervals: 80-100, 240-260, 610-630, 1115-1135, and 1610-1650 feet]

Depth (ft)	Description
10	Sandy gravel (sG); granules to small pebbles with coarse to very coarse sand; poorly to moderately sorted; subangular to rounded; light olive brown (2.5Y 5/3); <i>calcareous; micaceous (biotite dominated); minor iron staining</i>
20	Sand (S); medium to very coarse sand; well sorted; angular to subangular; grayish brown (5Y 5/2); <i>calcareous; micaceous; trace caliche (0.1-1 mm)</i>
30	Slightly gravelly clayey sand ((g)mS); very fine to very coarse sand with clay and granules to medium pebbles; very poorly sorted; subangular to rounded; dark olive gray (5Y 3/2); <i>calcareous; micaceous; trace caliche</i>
40	Slightly gravelly sand ((g)S); medium to very coarse sand with minor clay, silt, and granules; moderately to well sorted; subangular to rounded; olive gray (5Y 5/2); <i>micaceous</i>
45 Shoe 1C	Sand (S); very fine to very coarse sand with trace silt; moderately sorted; angular to subrounded; olive gray (5Y 5/2); <i>micaceous; mafic-rich (hornblende, schorl, biotite)</i>
50	Sand (S); fine to very coarse sand with trace silt and granules; moderately sorted; angular to subrounded; olive gray (5Y 5/2); <i>micaceous; mafics (schorl, hornblende, biotite)</i>
60	Gravelly sand (gS); very fine to very coarse sand with granules to medium pebbles and trace clay; very poorly sorted; angular to subrounded; olive gray (5Y 5/2); <i>calcareous; micaceous; mafics (hornblende, schorl, biotite); minor hematite staining; trace euhedral feldspar and tourmaline crystals (1-3mm)</i>
70	Slightly gravelly sand ((g)S); fine to very coarse sand with granules; moderately sorted; angular to subrounded; light olive brown (2.5Y 5/3); <i>calcareous; micaceous; mafics (schorl, hornblende, biotite); trace hematite</i>
80	Sandy gravel (sG); granules to small pebbles with coarse to very coarse sand and minor silt; poorly to moderately sorted; very angular to subangular; grayish brown (2.5Y 5/2); <i>micaceous; minor iron staining; moderately to heavily altered metasedimentary and low-grade metamorphic clasts (1-8mm) dominate coarse fraction</i>
90	Gravelly sand (gS); very fine to very coarse sand with granules to small pebbles and trace silt; very poorly sorted; angular to subrounded; light olive brown (2.5Y 5/3); <i>slightly calcareous; minor mica and iron staining</i>
100	Slightly gravelly sand ((g)S); very fine to very coarse sand with granules to small pebbles; poorly to moderately sorted; angular to subrounded; grayish brown (2.5Y 5/2); <i>slightly calcareous; micaceous</i>
110	Clayey sand (cS); fine to very coarse sand with clay and trace granules; very poorly sorted; angular to subrounded; brown (10YR 5/3); <i>calcareous; trace mica</i>
120	Sand (S); fine to coarse sand with trace granules; well sorted; subangular to subrounded; light olive brown (2.5Y 5/3); <i>calcareous; micaceous</i>
130	Sand (S); fine to very coarse sand with trace granules; moderately to well sorted; subangular to subrounded; light olive brown (2.5Y 5/3); <i>slightly calcareous; micaceous</i>

Table XX. Lithologic Shaker Log for multiple-well monitoring site Temecula Creek (TMTC) (8S/2W-15F1-5S)

Depth (ft)	Description
140	Slightly gravelly sand ((g)S); medium to very coarse sand with minor silt and granules; poorly to moderately sorted; subangular to subrounded; light olive brown (2.5Y 5/3); <i>micaceous</i>
150	Slightly gravelly clayey sand ((g)mS); fine to very coarse sand with clay and granules to small pebbles; very poorly sorted; angular to subrounded; light olive brown (2.5Y 5/3); <i>calcareous; minor mica</i>
160	Slightly gravelly silty clayey sand ((g)mS); fine to very coarse sand with clay, silt and granules to small pebbles; very poorly sorted; subangular to subrounded; light olive brown (2.5Y 5/3); <i>calcareous; minor mica</i>
170	Slightly gravelly clayey sand ((g)mS); very fine to very coarse sand with clay and granules to large pebbles; very poorly sorted; subangular to subrounded; light olive brown (2.5Y 5/3); <i>minor mica; mafics; trace medium-grained melanocratic weathered gabbro clasts (<21 mm): pyroxene and feldspar dominated with garnet, mica, hornblende, quartz, apatite, tourmaline (schorl/dravite), and iron-rich clay filled fractures and coatings (hematite, kaolinite/gibbsite?)</i>
180	Clayey sand (cS); fine to very coarse sand with clay and trace granules; very poorly sorted; angular to subrounded; light olive brown (2.5Y 5/3); <i>calcareous; minor mica</i>
190	Sand (S); very fine to very coarse sand with minor clay and trace granules; poorly to moderately sorted; subangular to subrounded; light olive brown (2.5Y 5/4); <i>calcareous; minor mica</i>
200	Slightly gravelly clayey sand ((g)mS); very fine to very coarse sand with clay and granules to medium pebbles; very poorly sorted; subangular to subrounded; light olive brown (2.5Y 5/3); <i>calcareous; minor mica</i>
210	Sand (S); fine to very coarse sand with minor silt and trace granules; moderately to well sorted; subangular to subrounded; light olive brown (2.5Y 5/3); <i>calcareous; micaceous</i>
220	Slightly gravelly silty sandy clay ((g)sM); clay with very fine to very coarse sand, silt, and granules to small pebbles; very poorly sorted; light olive brown (2.5Y 5/3); <i>calcareous; micaceous</i>
230	Clayey sand (cS); very fine to coarse sand with clay and minor silt; poorly sorted; angular to subrounded; grayish brown (2.5Y 5/2); <i>calcareous; micaceous</i>
240	Silty sandy clay (sM); clay with very fine to very coarse sand, silt, and trace granules to medium pebbles; very poorly sorted; grayish brown (2.5Y 5/2); <i>calcareous; minor mica</i>
245 Shoe 2C	Sand (S); very fine to very coarse sand with minor silt and trace granules; moderately sorted; angular to subrounded; pale olive (5Y 6/3)
250	Slightly gravelly sand ((g)S); very fine to very coarse sand with granules to small pebbles and trace silt; poorly to moderately sorted; subangular to subrounded; light olive brown (2.5Y 5/3); <i>calcareous; minor mica</i>
260	Slightly gravelly silty sand ((g)mS); very fine to very coarse sand with silt and granules to small pebbles; poorly sorted; subangular to subrounded; grayish brown (2.5Y 5/2); <i>calcareous; minor mica</i>
270	Sand (S); fine to very coarse sand with trace granules; moderately sorted; angular to subrounded; light olive brown (2.5Y 5/3); <i>calcareous; minor mica</i>

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Depth (ft)	Description
280	Sand (S); fine to very coarse sand with trace silt and granules to small pebbles; moderately sorted; angular to subrounded; light olive brown (2.5Y 5/3); <i>calcareous</i> ; <i>minor mica</i>
290	Clayey sand (cS); fine to very coarse sand with clay and trace granules; very poorly sorted; angular to subrounded; light olive brown (2.5Y 5/3); <i>calcareous</i> ; <i>minor mica</i>
300	Clayey sand (cS); very fine to very coarse sand with clay and trace granules; very poorly sorted; angular to subrounded; light olive brown (2.5Y 5/3); <i>calcareous</i> ; <i>minor mica</i>
310	Sandy clay (sC); clay with very fine to very coarse sand; very poorly sorted; light olive brown (2.5Y 5/3); <i>calcareous</i> ; <i>micaceous</i>
320	Silty sandy clay (sM); clay with very fine to very coarse sand and silt; very poorly sorted; grayish brown (2.5Y 5/2); <i>calcareous</i> ; <i>minor mica</i>
330	Sand (S); medium to very coarse sand with trace silt; well sorted; angular to subrounded; light olive brown (2.5Y 5/3); <i>calcareous</i> ; <i>micaceous</i>
340	Sand (S); fine to very coarse sand with minor silt and trace granules; moderately sorted; angular to subrounded; light olive brown (2.5Y 5/3); <i>calcareous</i> ; <i>minor mica</i>
350	Silty clayey sand (mS); very fine to very coarse sand with clay, silt, and trace granules; very poorly sorted; subangular to subrounded; olive gray (5Y 5/2); <i>calcareous</i> ; <i>minor mica</i>
360	Silty clayey sand (mS); fine to very coarse sand with clay, silt, and trace granules; very poorly sorted; subangular to subrounded; light olive brown (2.5Y 5/2); <i>calcareous</i> ; <i>micaceous</i>
370	Slightly gravelly silty sand ((g)mS); very fine to very coarse sand with silt and granules to small pebbles; very poorly to poorly sorted; subangular to subrounded; light olive brown (2.5Y 5/3); <i>calcareous</i> ; <i>trace mica</i>
380	Sand (S); very fine to very coarse sand with minor silt and trace granules to small pebbles; moderately sorted; angular to subrounded; light olive brown (2.5Y 5/3); <i>trace mica</i>
390	Slightly gravelly silty sandy clay ((g)sM); clay with very fine to very coarse sand, silt, and granules to small pebbles; very poorly sorted; olive gray (5Y 5/2); <i>calcareous</i> ; <i>minor mica</i>
394.5 Shoe 3C	Sand (S); fine to very coarse sand with trace granules; moderately to well sorted; angular to subrounded; salt and pepper; <i>calcareous</i> ; <i>micaceous</i>
400	Sandy clayey gravel (mG); granules to small pebbles with clay and very fine to very coarse sand; very poorly sorted; subangular to subrounded; olive gray (5Y 5/2); <i>calcareous</i> ; <i>trace mica</i>
410	Sand (S); fine to very coarse sand with minor silt; moderately to well sorted; angular to subrounded; grayish brown (2.5Y 5/2); <i>slightly calcareous</i> ; <i>minor mica</i>
420	Sandy silty clay (sM); clay with silt, very fine to very coarse sand, and trace granules; very poorly sorted; grayish brown (2.5Y 5/2); <i>calcareous</i> ; <i>minor mica</i>
430	Silty clay (M); clay with silt and minor very fine to coarse sand; moderately to well sorted; light olive brown (2.5Y 5/3); <i>calcareous</i> ; <i>micaceous</i>

Table XX. Lithologic Shaker Log for multiple-well monitoring site Temecula Creek (TMTC) (8S/2W-15F1-5S)

Depth (ft)	Description
440	Slightly gravelly silty sand ((g)mS); very fine to very coarse sand with silt and granules to medium pebbles; very poorly to poorly sorted; subangular to subrounded; light olive brown (2.5Y 5/3); <i>calcareous; micaceous</i>
450	Sand (S); very fine to very coarse sand with trace granules and silt; moderately sorted; subangular to subrounded; light olive brown (2.5Y 5/3); <i>calcareous; micaceous</i>
460	Slightly gravelly silty sand ((g)mS); very fine to very coarse sand with silt and granules to small pebbles; very poorly to poorly sorted; angular to subrounded; grayish brown (2.5Y 5/2); <i>calcareous; minor mica</i>
470	Silty clay (M); clay with silt, minor very fine to coarse sand, and trace granules to medium pebbles; moderately to well sorted; olive gray (5Y 5/2); <i>calcareous; micaceous</i>
480	Silty sandy clay (sM); clay with very fine to very coarse sand, silt, and trace granules to small pebbles; very poorly sorted; olive gray (5Y 5/2); <i>calcareous; minor mica</i>
490	Sand (S); fine to very coarse sand with minor silt and trace granules to small pebbles; moderately sorted; angular to subrounded; light olive brown (2.5Y 5/3); <i>calcareous; minor mica</i>
500	Silty sandy clay (sM); clay with very fine to very coarse sand, silt, and trace granules; very poorly sorted; grayish brown (2.5Y 5/2); <i>calcareous; micaceous</i>
510	Slightly gravelly silty sandy clay ((g)sM); clay with very fine to very coarse sand, silt, and granules to small pebbles; very poorly sorted; grayish brown (2.5Y 5/2); <i>calcareous; micaceous</i>
520	Sandy clay (sC); clay with very fine to very coarse sand, minor silt, and trace granules; very poorly sorted; dark gray (5Y 4/1); <i>calcareous; micaceous</i>
530	Slightly gravelly sandy silty clay ((g)sM); clay with silt, very fine to very coarse sand, and granules to small pebbles; very poorly sorted; grayish brown (2.5Y 5/2); <i>calcareous; micaceous</i>
540	Slightly gravelly sandy silt ((g)sM); silt with very fine to very coarse sand, granules to small pebbles, and trace clay; very poorly to poorly sorted; light olive brown (2.5Y 5/3); <i>calcareous; trace mica</i>
550	Sand (S); very fine to very coarse sand with minor silt and trace granules to small pebbles; moderately sorted; angular to subrounded; light olive brown (2.5Y 5/3); <i>calcareous; micaceous</i>
560	Slightly gravelly sandy silty clay ((g)sM); clay with silt, very fine to coarse sand, and granules to small pebbles; very poorly sorted; olive gray (5Y 5/2); <i>calcareous; micaceous</i>
570	Sand (S); very fine to very coarse sand with minor silt and trace granules; moderately sorted; angular to subrounded; olive gray (5Y 5/3); <i>calcareous; micaceous</i>
580	Sandy clay (sC); clay with very fine to medium sand, minor coarse to very coarse sand, and trace granules; poorly to moderately sorted; olive gray (5Y 5/2); <i>slightly calcareous; micaceous</i>

Table XX. Lithologic Shaker Log for multiple-well monitoring site Temecula Creek (TMTC) (8S/2W-15F1-5S)

Depth (ft)	Description
590	Clayey silty sand (mS); fine to coarse sand with silt, clay, minor very coarse sand, and trace granules; very poorly to poorly sorted; angular to subrounded; olive gray (5Y 5/2); <i>calcareous</i> ; <i>trace mica</i>
600	Silty sandy clay (sM); clay with very fine to coarse sand, silt, and minor very coarse sand; very poorly to poorly sorted; olive gray (5Y 5/2); <i>calcareous</i> ; <i>micaceous</i>
610	Silty clayey sand (mS); very fine to coarse sand with clay, silt, and trace granules; poorly sorted; angular to subrounded; grayish brown (2.5Y 5/2); <i>calcareous</i> ; <i>micaceous</i>
620	Silty clayey sand (mS); fine to very coarse sand with clay, silt, and trace granules; very poorly sorted; subangular to rounded; olive gray (5Y 5/2); <i>calcareous</i> ; <i>minor mica</i>
625 Shoe 4C	Sand (S); very fine to very coarse sand with trace granules; moderately to well sorted; subangular to rounded; light yellowish brown (2.5Y 6/3); <i>calcareous</i> ; <i>biotite-rich</i>
630	Sand (S); very fine to very coarse sand with minor clay and trace granules to small pebbles; poorly to moderately sorted; angular to rounded; light olive brown (2.5Y 5/3); <i>calcareous</i> ; <i>micaceous</i>
640	Silty sandy clay (sM); clay with very fine to very coarse sand, silt, and trace granules to small pebbles; very poorly sorted; grayish brown (2.5Y 5/2); <i>calcareous</i> ; <i>micaceous</i>
650	Sandy silty clay (sM); clay with silt, very fine to very coarse sand, and trace granules; very poorly sorted; olive gray (5Y 5/2); <i>calcareous</i> ; <i>micaceous</i>
660	Silty sandy clay (sM); clay with very fine to coarse sand, silt, trace very coarse sand, and granules to medium pebbles; poorly sorted; olive gray (5Y 5/2); <i>calcareous</i> ; <i>micaceous</i>
670	Sand (S); very fine to coarse sand with minor clay, very coarse sand, and trace granules to small pebbles; poorly to moderately sorted; subangular to subrounded; olive gray (5Y 5/2); <i>calcareous</i> ; <i>minor mica</i>
680	Silty sandy gravel (msG); granules to small pebbles with very fine to very coarse sand and silt; very poorly sorted; subangular to subrounded; olive gray (5Y 5/2); <i>calcareous</i> ; <i>minor mica</i>
690	Silty sandy clay (sM); clay with very fine to very coarse sand, silt, and trace granules to small pebbles; very poorly sorted; gray (5Y 5/1); <i>calcareous</i> ; <i>micaceous</i>
700	Clayey silty sand (mS); very fine to very coarse sand with silt, clay, and trace granules; very poorly sorted; subangular to rounded; olive gray (5Y 5/2); <i>calcareous</i> ; <i>minor mica</i>
710	Silty sandy clay (sM); clay with very fine to coarse sand and silt; poorly sorted; olive gray (5Y 4/2); <i>calcareous</i> ; <i>micaceous</i>
720	Silty sandy clay (sM); clay with very fine to coarse sand, silt, minor very coarse sand, and trace granules to small pebbles; very poorly to poorly sorted; olive gray (5Y 5/2); <i>calcareous</i> ; <i>minor mica</i>
730	Sandy clay (sC); clay with very fine to coarse sand, minor silt, and very coarse sand; very poorly to poorly sorted; olive (5Y 4/3); <i>calcareous</i> ; <i>micaceous</i>

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Depth (ft)	Description
740	Clayey sand (cS); very fine to very coarse sand with clay, minor silt, and trace granules; very poorly sorted; subangular to rounded; olive gray (5Y 5/2); <i>calcareous; minor mica</i>
750	Sand (S); very fine to very coarse sand with minor silt; poorly to moderately sorted; angular to subrounded; light olive brown (2.5Y 5/3); <i>calcareous; minor mica</i>
760	Silty sandy clay (sM); clay with very fine to coarse sand, silt, minor very coarse sand, and trace granules to small pebbles; very poorly to poorly sorted; olive gray (5Y 5/2); <i>calcareous; micaceous</i>
770	Clayey sand (cS); very fine to very coarse sand with clay; very poorly sorted; angular to subrounded; grayish brown (2.5Y 5/2); <i>calcareous; micaceous</i>
780	Sandy clay (sC); clay with very fine to very coarse sand and trace granules to medium pebbles; very poorly sorted; olive gray (5Y 5/2); <i>calcareous; trace mica</i>
790	Sandy clay (sC); clay with very fine to very coarse sand and trace granules; very poorly sorted; olive gray (5Y 5/2); <i>calcareous; trace mica</i>
800	Clayey sand (cS); very fine to coarse sand with clay, minor very coarse sand, and trace granules; very poorly to poorly sorted; subangular to rounded; olive gray (5Y 5/2); <i>slightly calcareous; trace mica</i>
810	Clayey sand (cS); very fine to very coarse sand with clay and trace granules to small pebbles; very poorly sorted; subangular to rounded; olive (5Y 4/3); <i>slightly calcareous; micaceous; trace garnet</i>
820	Silty clayey sandy gravel (msG); granules to small pebbles with fine to very coarse sand, clay, and silt; very poorly sorted; subangular to subrounded; olive gray (5Y 5/2); <i>minor mica</i>
830	Sandy clay (sC); clay with very fine to coarse sand, minor very coarse sand, and trace granules; very poorly to poorly sorted; gray (5Y 5/1); <i>calcareous; micaceous</i>
840	Slightly gravelly sandy silty clay ((g)sM); clay with silt, very fine to very coarse sand, and granules to small pebbles; very poorly sorted; olive gray (5Y 5/2); <i>calcareous; micaceous</i>
850	Silty sandy clay (sM); clay with very fine to very coarse sand, silt, and trace granules; very poorly sorted; olive gray (5Y 5/2); <i>calcareous; micaceous</i>
860	Clayey silty sand (mS); very fine to coarse sand with silt, clay, minor very coarse sand, and trace granules; very poorly to poorly sorted; angular to subrounded; olive gray (5Y 5/2); <i>calcareous; minor mica; trace garnet</i>
870	Sandy clay (sC); clay with very fine to coarse sand and trace granules; poorly sorted; olive gray (5Y 5/2); <i>calcareous; micaceous</i>
880	Sandy clay (sC); clay with very fine to coarse sand; poorly sorted; olive gray (5Y 5/2); <i>calcareous; micaceous</i>
885 Shoe 5C	Silty sand (zS); very fine to very coarse sand with silt and trace granules to small pebbles; poorly sorted; subangular to rounded; olive gray (5Y 5/2); <i>calcareous; minor mica</i>

Table XX. Lithologic Shaker Log for multiple-well monitoring site Temecula Creek (TMTC) (8S/2W-15F1-5S)

Depth (ft)	Description
890	Clayey sand (cS); very fine to very coarse sand with clay and trace granules to small pebbles; very poorly sorted; subangular to subrounded; olive gray (5Y 5/2); <i>calcareous; micaceous</i>
900	Slightly gravelly clayey sand ((g)mS); fine to very coarse sand with clay and granules to small pebbles; very poorly sorted; angular to subrounded; olive gray (5Y 5/2); <i>calcareous; trace mica</i>
910	Clayey sand (cS); very fine to very coarse sand with clay and trace granules; very poorly sorted; angular to subrounded; olive gray (5Y 5/2); <i>calcareous; minor mica</i>
920	Clayey sand (cS); very fine to very coarse sand with clay and trace granules to small pebbles; very poorly sorted; subangular to subrounded; olive gray (5Y 5/2); <i>calcareous; trace mica</i>
930	Sandy clay (sC); clay with very fine to very coarse sand and trace granules; very poorly sorted; olive gray (5Y 5/2); <i>minor mica</i>
940	Clayey sand (cS); fine to very coarse sand with clay and trace granules; very poorly sorted; subangular to rounded; olive gray (5Y 5/2); <i>calcareous; trace mica</i>
950	Clayey sand (cS); very fine to very coarse sand with clay and trace granules; very poorly sorted; angular to subrounded; olive gray (5Y 5/2); <i>calcareous; micaceous; minor mafics</i>
960	Clayey sand (cS); very fine to very coarse sand with clay; very poorly sorted; subangular to rounded; olive gray (5Y 5/2); <i>calcareous; trace mica</i>
970	Sand (S); very fine to very coarse sand with trace granules; moderately to well sorted; angular to subrounded; olive gray (5Y 5/2); <i>calcareous; micaceous</i>
980	Sand (S); very fine to very coarse sand with minor clay; moderately sorted; angular to subangular; olive gray (5Y 5/2); <i>calcareous; minor mica</i>
990	Slightly gravelly silty clay ((g)M); clay with silt, minor granules to small pebbles, and very fine to coarse sand; moderately sorted; olive gray (5Y 5/2); <i>micaceous</i>
1000	Sand (S); very fine to very coarse sand with trace clay; moderately to well sorted; angular to subangular; olive gray (5Y 5/2); <i>calcareous; trace mica</i>
1010	Slightly gravelly clayey silty sand ((g)mS); fine to very coarse sand with silt, clay, and granules to small pebbles; very poorly sorted; angular to subangular; olive gray (5Y 5/2); <i>calcareous; trace mica</i>
1020	Silty clayey sand (mS); fine to very coarse sand with clay, silt, and trace granules; very poorly sorted; angular to subrounded; olive gray (5Y 5/2); <i>calcareous; trace mica</i>
1030	Silty sandy clay (sM); clay with very fine to very coarse sand, silt, and trace granules; very poorly sorted; olive gray (5Y 5/2); <i>calcareous; trace mica</i>
1040	Clayey sand (cS); very fine to very coarse sand with clay and trace granules to small pebbles; very poorly sorted; angular to subrounded; olive gray (5Y 5/2); <i>calcareous; minor mica</i>

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Depth (ft)	Description
1050	Sand (S); fine to very coarse sand with minor silt and trace granules; moderately to well sorted; angular to subrounded; olive gray (5Y 5/2); <i>slightly calcareous; trace biotite</i>
1060	Slightly gravelly clayey sand ((g)mS); very fine to very coarse sand with clay and granules to small pebbles; very poorly sorted; angular to subangular; olive gray (5Y 5/2); <i>minor mica</i>
1070	Slightly gravelly sandy clay ((g)sM); clay with very fine to very coarse sand and granules to small pebbles; very poorly sorted; olive gray (5Y 5/2); <i>calcareous; micaceous</i>
1080	Clayey sand (cS); very fine to very coarse sand with clay and trace granules; very poorly sorted; angular to subangular; olive gray (5Y 5/2); <i>micaceous</i>
1090	Sandy clay (sC); clay with very fine to very coarse sand and trace granules; very poorly sorted; olive gray (5Y 5/2); <i>calcareous; micaceous</i>
1100	Clayey sand (cS); very fine to coarse sand with clay and trace granules; poorly sorted; angular to subrounded; olive gray (5Y 5/2); <i>minor mica</i>
1110	Sandy silty clay (sM); clay with silt, very fine to coarse sand, and trace granules; poorly sorted; olive gray (5Y 5/2); <i>calcareous; micaceous</i>
1120	Slightly gravelly sand ((g)S); fine to very coarse with minor clay and granules; moderately sorted; very angular to subangular; olive gray (5Y 5/2); <i>calcareous; minor mica</i>
1130	Slightly gravelly sand ((g)S); very fine to very coarse sand with minor clay and granules to small pebbles; poorly to moderately sorted; angular to subangular; olive gray (5Y 5/2); <i>slightly calcareous; minor mica</i>
1140	Sandy silty clay (sM); clay with silt and very fine to very coarse sand; very poorly sorted; olive gray (5Y 5/2); <i>calcareous; micaceous</i>
1150	Sandy clay (sC); clay with very fine to very coarse sand and trace granules; very poorly sorted; olive gray (5Y 5/2); <i>calcareous; micaceous</i>
1160	Clayey sand (cS); very fine to very coarse sand with clay and trace granules; very poorly sorted; angular to subrounded; olive gray (5Y 5/2); <i>calcareous; micaceous</i>
1160.5 Shoe 6C	Sand (S); very fine to coarse sand with minor silt and trace granules to small pebbles; poorly to moderately sorted; angular to subangular; olive gray (5Y 5/2); <i>micaceous; mafic-rich</i>
1170	Silty sandy clay (sM); clay with very fine to coarse sand, silt, minor very coarse sand, and trace granules; very poorly to poorly sorted; olive gray (5Y 5/2); <i>slightly calcareous; micaceous</i>
1180	Slightly gravelly sandy clay ((g)sC); clay with very fine to medium sand and granules to small pebbles; very poorly sorted; olive gray (5Y 5/2); <i>calcareous; micaceous</i>
1190	Sandy clay (sC); clay with very fine to medium sand, minor coarse to very coarse sand, and trace granules; poorly to moderately sorted; olive gray (5Y 5/2); <i>calcareous; micaceous</i>

Table XX. Lithologic Shaker Log for multiple-well monitoring site Temecula Creek (TMTC) (8S/2W-15F1-5S)

Depth (ft)	Description
1200	Clayey sand (cS); very fine to coarse sand with clay, minor very coarse sand, and trace granules to medium pebbles; poorly sorted; subangular to subrounded; light olive gray (5Y 6/2); <i>calcareous</i> ; <i>minor mica</i>
1210	Clayey sand (cS); very fine to coarse sand with clay; poorly sorted; subangular to subrounded; olive gray (5Y 5/2); <i>calcareous</i> ; <i>micaceous</i>
1220	Slightly gravelly sandy clay ((g)sM); clay with very fine to coarse sand and granules; very poorly to poorly sorted; olive gray (5Y 5/2); <i>calcareous</i> ; <i>micaceous</i>
1230	Sandy clay (sC); clay with very fine to coarse sand and trace granules to small pebbles; poorly sorted; olive gray (5Y 5/2); <i>calcareous</i> ; <i>micaceous</i>
1240	Clayey sand (cS); very fine to very coarse sand with clay and trace granules; very poorly sorted; subangular to rounded; olive gray (5Y 5/2); <i>calcareous</i> ; <i>trace mica</i>
1250	Clayey sand (cS); fine to very coarse sand with clay; very poorly sorted; angular to subangular; olive gray (5Y 5/2); <i>calcareous</i> ; <i>micaceous</i>
1260	Sand (S); fine to very coarse sand with minor clay and trace granules; moderately sorted; subangular to rounded; olive gray (5Y 5/2); <i>calcareous</i> ; <i>micaceous</i>
1270	Sandy clay (sC); clay with very fine to very coarse sand and trace granules; very poorly sorted; olive gray (5Y 5/2); <i>calcareous</i> ; <i>micaceous</i>
1280	Sandy silty clay (sM); clay with silt, very fine to very coarse sand, and trace granules; very poorly sorted; olive gray (5Y 5/2); <i>calcareous</i> ; <i>micaceous</i>
1290	Slightly gravelly sandy clay ((g)sM); clay with very fine to medium sand and granules; very poorly sorted; olive gray (5Y 5/2); <i>calcareous</i> ; <i>micaceous</i>
1300	Slightly gravelly sandy clay ((g)sM); clay with very fine to very coarse sand and granules; very poorly sorted; olive gray (5Y 5/2); <i>calcareous</i> ; <i>micaceous</i>
1310	Slightly gravelly clayey sand ((g)mS); fine to very coarse sand with clay and granules to small pebbles; very poorly sorted; subangular to rounded; light olive gray (5Y 6/2); <i>trace biotite</i>
1320	Sandy silty clay (sM); clay with silt, very fine to coarse sand, and trace granules; poorly sorted; olive gray (5Y 5/2); <i>micaceous</i>
1330	Slightly gravelly clayey sandy silt ((g)sM); silt with very fine to coarse sand, clay, and granules to small pebbles; very poorly sorted; olive gray (5Y 5/2)
1340	Sandy clay (sC); clay with very fine to coarse sand and trace granules; poorly sorted; grayish brown (2.5Y 5/2); <i>micaceous</i>
1350	Sandy clay (sC); clay with very fine to very coarse sand and trace granules; very poorly sorted; olive gray (5Y 5/2); <i>calcareous</i> ; <i>micaceous</i>
1360	Sandy clay (sC); clay with very fine to very coarse sand and trace granules to small pebbles; very poorly sorted; olive gray (5Y 5/2); <i>micaceous</i>
1370	Clayey sand (cS); fine to very coarse sand with clay and trace granules to small pebbles; very poorly sorted; angular to subrounded; olive gray (5Y 5/2); <i>calcareous</i> ; <i>trace mica</i>

Table XX. Lithologic Shaker Log for multiple-well monitoring site Temecula Creek (TMTC) (8S/2W-15F1-5S)

Depth (ft)	Description
1380	Slightly gravelly silty sand ((g)mS); fine to very coarse sand with silt and granules to small pebbles; very poorly sorted; angular to subangular; olive gray (5Y 5/2); <i>calcareous; micaceous</i>
1390	Slightly gravelly silty sandy clay ((g)sM); clay with very fine to very coarse sand, silt, and granules to small pebbles; very poorly sorted; olive gray (5Y 5/2); <i>calcareous; micaceous</i>
1400	Clayey sand (cS); very fine to very coarse sand with clay and trace granules; very poorly sorted; subangular to rounded; olive gray (5Y 5/2); <i>calcareous; micaceous</i>
1410	Sand (S); medium to very coarse sand with minor clay and trace granules; moderately sorted; subangular to subrounded; olive gray (5Y 5/2); <i>calcareous; micaceous</i>
1420	Sandy clay (sC); clay with fine to very coarse sand and trace granules to small pebbles; very poorly sorted; olive gray (5Y 5/2); <i>calcareous; micaceous</i>
1430	Sandy clay (sC); clay with fine to very coarse sand and trace granules; very poorly sorted; olive gray (5Y 5/2); <i>calcareous; micaceous</i>
1440	Clayey silty sand (mS); fine to very coarse sand with silt and clay; very poorly sorted; subangular to subrounded; olive gray (5Y 5/2); <i>calcareous; trace mica</i>
1450	Sandy clay (sC); clay with fine to very coarse sand and trace granules; very poorly sorted; olive gray (5Y 5/2); <i>very calcareous; minor mica</i>
1460	Sandy clay (sC); clay with fine to coarse sand and trace granules; poorly sorted; olive gray (5Y 5/2); <i>calcareous; minor mica</i>
1470	Clayey sand (cS); very fine to coarse sand with clay; poorly sorted; angular to subrounded; olive gray (5Y 5/2); <i>calcareous; micaceous</i>
1480	Sandy clay (sC); clay with very fine to coarse sand and trace granules; poorly sorted; olive gray (5Y 5/2); <i>calcareous; micaceous</i>
1490	Sandy clay (sC); clay with very fine to coarse sand, minor very coarse sand, and trace granules; poorly sorted; olive gray (5Y 5/2); <i>calcareous; minor mica</i>
1500	Silty sandy clay (sM); clay with very fine to coarse sand, silt, and trace granules; poorly sorted; olive gray (5Y 4/2); <i>calcareous; micaceous</i>
1510	Clayey sand (cS); coarse to very coarse sand with clay and trace granules to small pebbles; very poorly sorted; angular to subrounded; olive gray (5Y 5/2); <i>calcareous; trace mica</i>
1520	Sandy clay (sC); clay with very fine to coarse sand minor very coarse sand, and trace granules to small pebbles; poorly sorted; olive gray (5Y 5/2); <i>calcareous; minor mica</i>
1530	Sandy clay (sC); clay with very fine to very coarse sand and trace granules; very poorly sorted; olive gray (5Y 5/2); <i>calcareous; trace mica</i>
1540	Sandy clay (sC); clay with very fine to very coarse sand and trace granules to small pebbles; very poorly sorted; olive gray (5Y 5/2); <i>calcareous; trace mica</i>

Table XX. Lithologic Shaker Log for multiple-well monitoring site Temecula Creek (TMTC) (8S/2W-15F1-5S)

Depth (ft)	Description
1550	Silty clayey sand (mS); medium to very coarse sand with clay, silt, and trace granules; very poorly sorted; subangular to rounded; olive gray (5Y 5/2); <i>calcareous; trace mica</i>
1560	Slightly gravelly clayey silty sand ((g)mS); fine to very coarse sand with silt, clay, and granules to small pebbles; very poorly sorted; subangular to subrounded; olive gray (5Y 5/2); <i>calcareous; trace mica</i>
1570	Sandy clay (sC); clay with very fine to very coarse sand and trace granules to small pebbles; very poorly sorted; olive gray (5Y 5/2); <i>calcareous; minor mica</i>
1580	Sandy clay (sC); clay with very fine to coarse sand; poorly sorted; olive gray (5Y 5/2); <i>calcareous; minor mica</i>
1590	Sandy clay (sC); clay with very fine to coarse sand and minor very coarse sand; poorly sorted; olive gray (5Y 5/2); <i>calcareous; trace mica</i>
1600	Sandy silty clay (sM); clay and silt with very fine to very coarse sand; very poorly sorted; olive gray (5Y 5/2); <i>calcareous; trace mica</i>
1610	Sand (S); medium to very coarse sand with trace silt; well sorted; subangular to rounded; olive gray (5Y 5/2); <i>calcareous; minor mica</i>
1620	Sand (S); medium to very coarse sand with minor silt, clay, and trace granules to small pebbles; moderately to well sorted; subangular to rounded; olive gray (5Y 5/2); <i>calcareous; micaceous</i>
1630	Clayey sand (cS); fine to very coarse sand with clay and trace granules to small pebbles; very poorly sorted; subangular to rounded; olive gray (5Y 5/2); <i>calcareous; minor mica</i>
1640	Sand (S); fine to very coarse sand with minor silt and trace granules to small pebbles; moderately sorted; subangular to rounded; olive gray (5Y 5/2); <i>calcareous; micaceous</i>
1650	Clayey silty sand (mS); fine to very coarse sand with silt, clay, and trace granules to small pebbles; very poorly sorted; subangular to rounded; olive gray (5Y 5/2); <i>calcareous; minor mica</i>
1660	Silty sandy clay (sM); clay with fine to very coarse sand, silt, and trace granules to small pebbles; very poorly sorted; olive gray (5Y 5/2); <i>calcareous; trace mica</i>
1670	Clayey sand (cS); very fine to very coarse sand with clay; very poorly sorted; angular to subrounded; olive gray (5Y 5/2); <i>calcareous; micaceous</i>
1680	Clay (C); clay with minor very fine to very coarse sand and trace granules; moderately to well sorted; olive gray (5Y 4/2); <i>calcareous; minor mica</i>
1690	Sandy clay (sC); clay with very fine to coarse sand and minor very coarse sand; poorly sorted; grayish brown (2.5Y 5/2); <i>calcareous; minor mica</i>
1700	Sandy clay (sC); clay with very fine to very coarse sand and trace granules to small pebbles; very poorly sorted; olive gray (5Y 5/2); <i>calcareous</i>
1710	Clayey sand (cS); fine to coarse sand with clay and trace granules; poorly sorted; subangular to rounded; olive gray (5Y 5/2); <i>calcareous; biotite-rich</i>
1720	Gravelly clayey sand (gmS); very fine to coarse sand with clay and granules to small pebbles; very poorly sorted; subangular to subrounded; olive gray (5Y 5/2); <i>calcareous; minor mica</i>