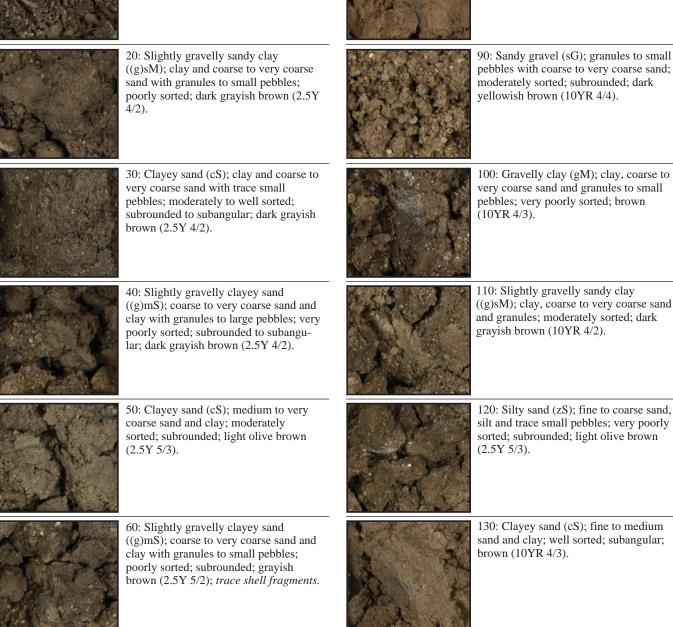
Depth (feet) and description 10: Sand (S); coarse to very coarse sand; well to moderately sorted; subangular to subrounded; dark grayish brown (2.5Y 4/2); organic debris. 20: Slightly gravelly sandy clay ((g)sM); clay and coarse to very coarse sand with granules to small pebbles; poorly sorted; dark grayish brown (2.5Y 30: Clayey sand (cS); clay and coarse to very coarse sand with trace small pebbles; moderately to well sorted; subrounded to subangular; dark grayish brown (2.5Y 4/2).

70: Silty clayey sand (mS); fine to

trace granules; very poorly sorted;

subrounded; brown (10YR 4/3).

coarse grained sand, clay and silt with



Depth (feet) and description

fine to very fine sand with trace

granules; moderately sorted; dark yellowish brown (10YR 4/4).

140: Clayey sand (cS); fine to very

coarse sand and clay with trace small

pebbles; poorly sorted; subrounded;

brown (10YR 5/3).

80: Sandy silty clay (sM); clay, silt, and

Figure 171. Lithologic descriptions and photographs of shaker drill cuttings collected from the borehole at 16 USGS multiple-depth, monitoring-well sites in San Diego County, California, 2003–2017: (A) SDCD; (B) SDSY; (C) SDLH; (D) SDAQ; (E) SDCP; (F) SDBP; (G) SDHF; (H) SDEP; (I) SDNB; (J) SDSW; (K) SDMC; (L) SDLD; (M) SDCC; (N) SDOR; (O) SDOT; and (P) SDBW.



150: Sandy clay (sC); clay and medium to coarse sand with trace granules to small pebbles; poorly sorted; dark grayish brown (10YR 4/2).



220: Sandy silty clay (sM); clay, silt, and coarse to very coarse sand; poorly sorted; olive gray (5Y 4/2); *broken shell fragments common.*

Depth (feet) and description



160: Gravelly sand (gS); coarse to very coarse sand and granules; well sorted; subrounded; light olive brown (2.5Y 5/4).



230: Sandy silty clay (sM); clay, silt, and coarse sand with trace granules; poorly sorted; olive gray (5Y 4/2); *shell fragments common*.



170: Sandy gravel (sG); granules to small pebbles and coarse to very coarse sand; moderately sorted; subangular; light olive brown (2.5Y 5/4); large pebble quartzose medium grained sandstone concretion.



240: Sandy silty clay (sM); clay, silt, and coarse sand; moderately sorted; dark grayish brown (2.5Y 4/2); *clam shells common*.



180: Gravelly sand (gS); coarse to very coarse sand and granules to small pebbles; moderately sorted; subrounded; light olive brown (2.5Y 5/4).



250: Gravelly sand (gS); medium to coarse sand and granules; poorly sorted; subrounded; olive gray (5Y 5/2).



190: Gravelly sand (gS); coarse to very coarse sand and granules to small pebbles; moderately sorted; subrounded; light olive brown (2.5Y 5/4).



260: Gravelly clayey silty sand (gmS); coarse to very coarse sand, silt, clay and granules to small pebbles; very poorly sorted; subangular to subrounded; light olive brown (2.5Y 5/3).



200: Gravelly sand (gS); coarse to very coarse sand and granules; moderately sorted; subrounded; light olive brown (2.5Y 5/4).



270: Sandy clayey silt (sM); silt, clay and coarse sand; poorly sorted; dark yellowish brown (10YR 4/4); *shell fragments common*.



210: Gravelly sand (gS); coarse to very coarse sand and granules to small pebbles; moderately sorted; subrounded; light olive brown (2.5Y 5/4).



280: Gravelly sand (gS); coarse to very coarse sand and granules to small pebbles; moderately sorted; subrounded; brown (10YR 5/3).

Figure 17. Lithologic descriptions and photographs of shaker drill cuttings collected from the borehole at 16 USGS multiple-depth, monitoring-well sites in San Diego County, California, 2003–2017: (A) SDCD; (B) SDSY; (C) SDLH; (D) SDAQ; (E) SDCP; (F) SDBP; (G) SDHF; (H) SDEP; (I) SDNB; (J) SDSW; (K) SDMC; (L) SDLD; (M) SDCC; (N) SDOR; (O) SDOT; and (P) SDBW.—Continued.

Depth (feet) and description brown (10YR 5/3).

290: Sandy gravel (sG); granules to medium pebbles and coarse to very coarse sand; poorly sorted; subrounded;



360: Gravelly clayey sand (gmS); coarse to very coarse sand, clay and granules to small pebbles; poorly sorted; subangular; dark yellowish brown (10YR 4/4).

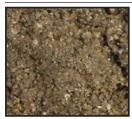
Depth (feet) and description



300: Slightly gravelly silty sand ((g)mS); coarse to very coarse sand, silt, and granules; moderately sorted; subangular; brown (10YR 4/3).



370: Gravelly silty sand (gmS); coarse to very coarse sand, silt, and granules; poorly sorted; subangular; dark yellowish brown (10YR 4/4).



310: Sand (S); coarse to very coarse sand with minor clay and trace granules; well sorted; subrounded; yellowish brown (10YR 5/4).



380: Gravelly sand (gS); coarse to very coarse sand and granules; moderately sorted; subangular to angular; dark yellowish brown (10YR 4/4).



320: Gravelly sand (gS); coarse to very coarse sand and granules to small pebbles; moderately sorted; subrounded; yellowish brown (10YR 5/4).



390: Sandy silty clay (sM); clay, silt, and coarse to very coarse sand; moderately to poorly sorted; dark grayish brown (10YR 4/2).



330: Gravelly sand (gS); coarse to very coarse sand and granules; moderately sorted; subangular to subrounded; yellowish brown (10YR 5/4).



400: Sandy silty clay (sM); clay, silt, and coarse to very coarse sand; poorly sorted; dark grayish brown (10YR 4/2).



340: Clayey sand (cS); coarse to very coarse sand and clay with trace granules; moderately sorted; subangular; dark grayish brown (10YR 4/2).



410: Sandy silty clay (sM); clay, silt, and coarse to very coarse sand; moderately to poorly sorted; dark grayish brown (10YR 4/2).



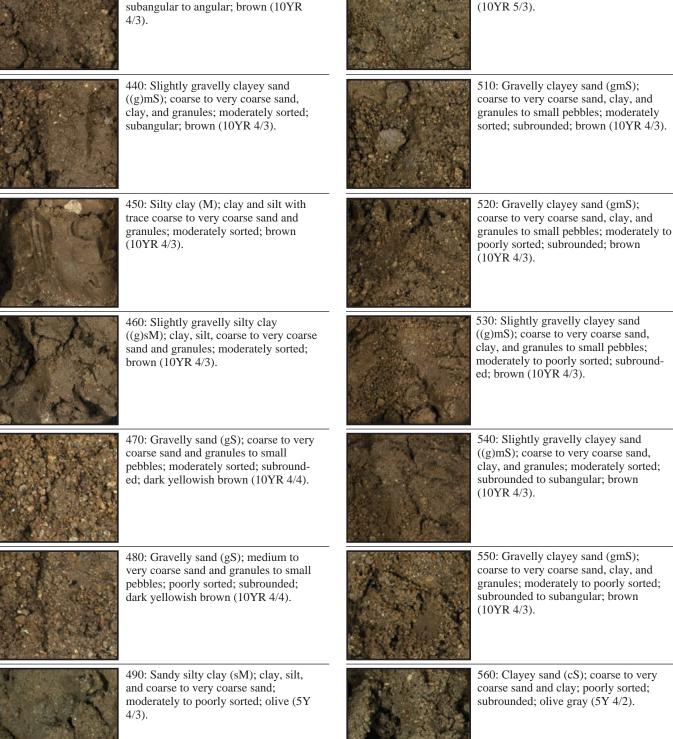
350: Slightly gravelly sand ((g)S); coarse to very coarse sand and granules; moderately to well sorted; subrounded; dark yellowish brown (10YR 4/4).



420: Slightly gravelly sandy silty clay ((g)sM); clay, silt, and coarse to very coarse sand with granules; poorly sorted; dark grayish brown (10YR 4/2).

Figure 171. Lithologic descriptions and photographs of shaker drill cuttings collected from the borehole at 16 USGS multiple-depth, monitoring-well sites in San Diego County, California, 2003–2017: (A) SDCD; (B) SDSY; (C) SDLH; (D) SDAQ; (E) SDCP; (F) SDBP; (G) SDHF; (H) SDEP; (I) SDNB; (J) SDSW; (K) SDMC; (L) SDLD; (M) SDCC; (N) SDOR; (O) SDOT; and (P) SDBW. —Continued.

Depth (feet) and description 430: Slightly gravelly clayey silty sand ((g)mS); coarse to very coarse sand, silt, clay, and granules; poorly sorted; subangular to angular; brown (10YR 440: Slightly gravelly clayey sand ((g)mS); coarse to very coarse sand, clay, and granules; moderately sorted; subangular; brown (10YR 4/3). 450: Silty clay (M); clay and silt with trace coarse to very coarse sand and



Depth (feet) and description

very coarse sand, silt, and clay;

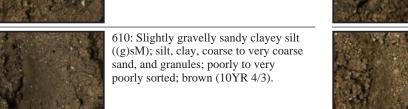
500: Clayey silty sand (mS); coarse to

moderately sorted; subangular; brown

Figure 171. Lithologic descriptions and photographs of shaker drill cuttings collected from the borehole at 16 USGS multiple-depth, monitoring-well sites in San Diego County, California, 2003–2017: (A) SDCD; (B) SDSY; (C) SDLH; (D) SDAQ; (E) SDCP; (F) SDBP; (G) SDHF; (H) SDEP; (I) SDNB; (J) SDSW; (K) SDMC; (L) SDLD; (M) SDCC; (N) SDOR; (O) SDOT; and (P) SDBW. —Continued.

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Depth (feet) and description 570: Clayey sand (cS); coarse to very coarse sand and clay; moderately sorted; subrounded; olive brown (2.5Y 580: Slightly gravelly clayey sand ((g)mS); coarse to very coarse sand, clay and granules; moderately to poorly sorted; subrounded; olive brown (2.5Y 590: Clayey sand (cS); coarse to very coarse sand and clay with trace granules; moderately sorted; subrounded; brown (10YR 4/3). 600: Slightly gravelly clayey sand ((g)mS); coarse to very coarse sand, clay and granules; poorly sorted; subrounded to subangular; dark yellowish brown (10YR 4/4).





620: Sandy clayey silt (sM); silt, clay, and coarse to very coarse sand; moderately to poorly sorted; dark yellowish brown (10YR 4/4).



630: Clayey sand (cS); coarse to very coarse sand and clay; moderately to well sorted; subrounded; dark yellowish brown (10YR 4/4).

Depth (feet) and description

640: Clayey sand (cS); coarse to very coarse sand, clay, and trace granules; moderately sorted; subangular to subrounded; brown (10YR 4/3).

650: Slightly gravelly clayey sand ((g)mS); coarse to very coarse sand, clay, and granules; poorly sorted; subangular; olive brown (2.5Y 4/3).

660: Slightly gravelly clayey sand ((g)mS); coarse to very coarse sand, clay, and granules; poorly sorted; subangular; olive brown (2.5Y 4/3).

670: Clayey sand (cS); coarse to very coarse sand and clay; moderately sorted; subrounded; brown (10YR 4/3).



680: Clayey sand (cS); coarse to very coarse sand, clay, and trace granules; moderately to poorly sorted; subrounded; brown (10YR 4/3).



690: Sand (S); coarse to very coarse sand; well sorted; subrounded; brown (10YR 4/3).



700: Gravelly silty sand (gmS); coarse to very coarse sand, silt, and granules; moderately to poorly sorted; subangular; olive brown (2.5Y 4/3).

Figure 17/. Lithologic descriptions and photographs of shaker drill cuttings collected from the borehole at 16 USGS multiple-depth, monitoring-well sites in San Diego County, California, 2003–2017: (A) SDCD; (B) SDSY; (C) SDLH; (D) SDAQ; (E) SDCP; (F) SDBP; (G) SDHF; (H) SDEP; (I) SDNB; (J) SDSW; (K) SDMC; (L) SDLD; (M) SDCC; (N) SDOR; (O) SDOT; and (P) SDBW.—Continued.



710: Sandy clay (sC); clay and coarse to very coarse sand; very poorly sorted; brown (10YR 4/3).



780: Gravelly clayey sand (gmS); coarse to very coarse sand, clay, and granules to small pebbles; very poorly sorted; angular; olive brown (2.5Y 4/3).

Depth (feet) and description



720: Sandy clay (sC); clay and coarse to very coarse sand; very poorly sorted; brown (10YR 4/3).



790: Gravelly silty sand (gmS); coarse to very coarse sand, fine sand, silt, and granules; very poorly sorted; subangular; dark yellowish brown (10YR 4/4).



730: Sandy clay (sC); clay and coarse to very coarse sand; very poorly sorted; brown (10YR 4/3).



800: Gravelly silty sand (gmS); coarse to very coarse sand, silt, and granules to small pebbles; poorly sorted; subrounded to subangular; brown (10YR 4/3).



740: Gravelly clayey sand (gmS); coarse to very coarse sand, clay, and granules to large pebbles; very poorly sorted; angular to subangular; reddish brown (2.5YR 4/3).



810: Gravelly silty sand (gmS); coarse to very coarse sand, silt, granules, and minor medium pebbles; poorly sorted; subangular; olive brown (2.5Y 4/3); abundant 2–4 mm shell fragments.



750: Slightly gravelly clayey sand ((g)mS); coarse to very coarse sand, clay, and granules; moderately sorted; subangular to subrounded; dark yellowish brown (10YR 4/4).



820: Sandy clay (sC); clay, coarse to very coarse sand and trace granules; moderately to poorly sorted; olive gray (5Y 4/2); 2–4 mm shell fragments common.



760: Clayey sand (cS); coarse to very coarse sand and minor clay; well sorted; subangular to angular; brown (10YR 4/3).



830: Silty sand (zS); coarse to very coarse sand, silt, and trace granules; moderately sorted; subangular to angular; dark grayish brown (10YR 4/2).



770: Gravelly clayey sand (gmS); coarse to very coarse sand, clay, and granules to small pebbles; poorly sorted; subangular; olive brown (2.5Y 4/3).

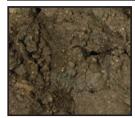


840: Slightly gravelly silty sand ((g)mS); coarse to very coarse sand, silt, and granules to medium pebbles; very poorly sorted; angular; dark grayish brown (10YR 4/2).

Figure 17/. Lithologic descriptions and photographs of shaker drill cuttings collected from the borehole at 16 USGS multiple-depth, monitoring-well sites in San Diego County, California, 2003–2017: (A) SDCD; (B) SDSY; (C) SDLH; (D) SDAQ; (E) SDCP; (F) SDBP; (G) SDHF; (H) SDEP; (I) SDNB; (J) SDSW; (K) SDMC; (L) SDLD; (M) SDCC; (N) SDOR; (O) SDOT; and (P) SDBW.—Continued.



850: Sandy clay (sC); clay and coarse to very coarse sand; poorly to moderately sorted; olive gray (5Y 4/2).

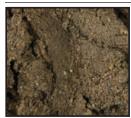


920: Clayey silty sand (mS); coarse to very coarse sand, silt, and clay; moderately sorted; subrounded; olive brown (2.5Y 4/3).

Depth (feet) and description



860: Slightly gravelly silty sand ((g)mS); coarse to very coarse sand, silt, granules to small pebbles, and trace clay; poorly sorted; subrounded; dark olive gray (5Y 3/2).



930: Silty sand (zS); coarse to very coarse sand and silt; moderately to well sorted; subangular to subrounded; olive (5Y 5/3).



870: Sandy silty clay (sM); clay, silt, and coarse to very coarse sand; moderately to poorly sorted; brown (10YR 4/3).



940: Clayey silty sand (mS); coarse to very coarse sand, silt, and clay; moderately sorted; subrounded; olive brown (2.5Y 4/3); *trace shell fragments*.



880: Slightly gravelly sandy silty clay ((g)sM); clay, silt, coarse to very coarse sand, and granules to small pebbles; very poorly sorted; olive brown (2.5Y 4/3).



950: Slightly gravelly sand ((g)S); coarse to very coarse sand and granules; well sorted; subrounded; light olive brown (2.5Y 5/4).



890: Sandy clay (sC); clay and coarse to very coarse sand; moderately sorted; olive gray (5Y 5/2).



960: Slightly gravelly sand ((g)S); coarse to very coarse sand and granules; well sorted; subangular to subrounded; light olive brown (2.5Y 5/3).



900: Slightly gravelly clayey silty sand ((g)mS); coarse to very coarse sand, silt, clay, and granules; moderately to poorly sorted; subangular; olive (5Y 4/3).



970: Slightly gravelly clayey silty sand ((g)mS); coarse to very coarse sand, silt, clay and granules; poorly sorted; subrounded to subangular; light olive brown (2.5Y 5/3).



910: Slightly gravelly silty sand ((g)mS); coarse to very coarse sand, silt, and granules; moderately sorted; subangular; olive brown (2.5Y 4/3).



980: Sandy silty clay (sM); clay, silt, and coarse to very coarse sand; moderately to poorly sorted; dark grayish brown (2.5Y 4/2); *trace shell fragments*.

Figure 17. Lithologic descriptions and photographs of shaker drill cuttings collected from the borehole at 16 USGS multiple-depth, monitoring-well sites in San Diego County, California, 2003–2017: (A) SDCD; (B) SDSY; (C) SDLH; (D) SDAQ; (E) SDCP; (F) SDBP; (G) SDHF; (H) SDEP; (I) SDNB; (J) SDSW; (K) SDMC; (L) SDLD; (M) SDCC; (N) SDOR; (O) SDOT; and (P) SDBW.—Continued.



990: Slightly gravelly clayey sand ((g)mS); coarse to very coarse sand, clay, and granules to small pebbles; moderately to poorly sorted; subrounded; grayish brown (2.5Y 5/2).



1,060: Silty clayey sand (mS); coarse to very coarse sand, clay, and silt; moderately sorted; angular to subangular; olive gray (5Y 4/2).

Depth (feet) and description



1,000: Slightly gravelly clayey sand ((g)mS); coarse to very coarse sand, clay, and granules to small pebbles; poorly sorted; subangular to angular; dark grayish brown (2.5Y 4/2).



1,070: Slightly gravelly clayey silty sand ((g)mS); coarse to very coarse sand, very fine sand, silt, clay, and granules; very poorly sorted; subrounded to subangular; dark olive gray (5Y 3/2).



1,010: Gravelly clayey sand (gmS); coarse to very coarse sand, clay, and granules to small pebbles; poorly sorted; subangular to angular; grayish brown (2.5Y 5/2).



1,080: Gravelly clayey silty sand (gmS); medium to very coarse sand, silt, clay, and granules to large pebbles; very poorly sorted; subangular to angular; olive gray (5Y 4/2); trace <1 mm shell fragments.



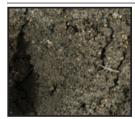
1,020: Slightly gravelly silty sand ((g)mS); coarse to very coarse sand, silt, and granules; moderately sorted; subrounded; light olive brown (2.5Y 5/3).



1,090: Gravelly sandy silty clay (gM); clay, silt, coarse to very coarse sand and granules to small pebbles; very poorly sorted; olive gray (5Y 4/2); *minor 1–2 mm shell fragments*.



1,030: Gravelly clayey sand (gmS); coarse to very coarse sand, clay, and granules to small pebbles; poorly sorted; subangular; olive gray (5Y 4/2).



1,100: Gravelly silty sand (gmS); coarse to very coarse sand, silt, and granules; moderately to poorly sorted; subangular; olive gray (5Y 5/2); *1*—4 mm shell fragments common.



1,040: Gravelly silty sand (gmS); coarse to very coarse sand, silt, and granules to small pebbles; poorly sorted; subangular; dark olive gray (5Y 3/2).



1,110: Gravelly silty sand (gmS); coarse to very coarse sand, silt, and granules to small pebbles; poorly sorted; angular; olive gray (5Y 5/2); *1–5 mm shell fragments common*.



1,050: Sandy silty clay (sM); clay, silt, and coarse to very coarse sand; moderately to poorly sorted; dark gray (5Y 4/1).



1,120: Gravelly clayey silty sand (gmS); coarse to very coarse sand, silt, clay, and granules to small pebbles; poorly sorted; angular; olive gray (5Y 5/2); *1–3 mm shell fragments*.

Figure 17. Lithologic descriptions and photographs of shaker drill cuttings collected from the borehole at 16 USGS multiple-depth, monitoring-well sites in San Diego County, California, 2003–2017: (A) SDCD; (B) SDSY; (C) SDLH; (D) SDAQ; (E) SDCP; (F) SDBP; (G) SDHF; (H) SDEP; (I) SDNB; (J) SDSW; (K) SDMC; (L) SDLD; (M) SDCC; (N) SDOR; (O) SDOT; and (P) SDBW.—Continued.



1,130: Slightly gravelly silty sand ((g)mS); coarse to very coarse sand, silt, and granules; moderately to poorly sorted; angular; olive gray (5Y 5/2); *1–3 mm shell fragments*.

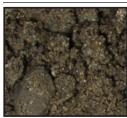


1,200: Gravelly sandy clayey silt (gsM); silt, clay, coarse to very coarse sand, and granules to medium pebbles; very poorly sorted; olive gray (5Y 4/2); *minor 1–2 mm shell fragments*.

Depth (feet) and description



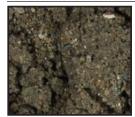
1,140: Gravelly silty sand (gmS); coarse to very coarse sand, silt, and granules to small pebbles; poorly sorted; subangular; olive gray (5Y 4/2); *I*–8 mm shell fragments.



1,210: Silty sand (zS); coarse to very coarse sand and silt; well sorted; angular to subangular; dark grayish brown (10YR 4/2).



1,150: Sandy silt (sZ); silt and coarse to very coarse sand; moderately to poorly sorted; olive gray (5Y 4/2); *minor 1–2 mm shell fragments*.



1,220: Gravelly silty sand (gmS); coarse to very coarse sand, silt, and granules to small pebbles; poorly to very poorly sorted; subrounded to subangular; olive gray (5Y 5/2); minor 1–4 mm shell fragments.



1,160: Sandy silty clay (sM); clay, silt, and coarse to very coarse sand; moderately sorted; dark grayish brown (2.5Y 4/2); trace 1–2 mm shell fragments.



1,230: Slightly gravelly silty sand ((g)mS); coarse to very coarse sand, fine sand with silt, and granules to medium pebbles; very poorly sorted; subangular; dark olive gray (5Y 3/2); minor 1–2 mm shell fragments.



1,170: Clayey silty sand (mS); coarse to very coarse sand, silt, and clay; moderately sorted; subangular; olive gray (5Y 4/2).



1,240: Gravelly silty sand (gmS); coarse to very coarse sand, silt, and granules to medium pebbles; very poorly sorted; subangular; olive gray (5Y 4/2); *1–3 mm shell fragments common.*



1,180: Gravelly sandy clayey silt (gsM); silt, clay, coarse to very coarse sand, and granules to small pebbles; poorly sorted; olive gray (5Y 4/2).



1,250: Gravelly silty sand (gmS); coarse to very coarse sand, silt, and granules to small pebbles; poorly sorted; subangular; olive gray (5Y 4/2); *1–4 mm shell fragments common*.



1,190: Clayey silty sand (mS); coarse to very coarse sand, silt, and clay; moderately sorted; subangular; olive gray (5Y 4/2); minor 1–4 mm shell fragments.



1,260: Silty sandy gravel (msG); granules to medium pebbles, coarse to very coarse sand and silt; very poorly sorted; subangular to angular; light olive brown (2.5 4/3); minor 1–2 mm shell fragments.

Figure 17*I.* Lithologic descriptions and photographs of shaker drill cuttings collected from the borehole at 16 USGS multiple-depth, monitoring-well sites in San Diego County, California, 2003–2017: (A) SDCD; (B) SDSY; (C) SDLH; (D) SDAQ; (E) SDCP; (F) SDBP; (G) SDHF; (H) SDEP; (I) SDNB; (J) SDSW; (K) SDMC; (L) SDLD; (M) SDCC; (N) SDOR; (O) SDOT; and (P) SDBW.—Continued.



1,270: Sandy silt (sZ); silt and coarse to very coarse sand; moderately sorted; dark olive gray (5Y 3/2); *abundant 1–3 mm shell fragments*.



1,340: Clayey silty sandy gravel (msG); granules to large pebbles, coarse to very coarse sand, silt, and clay; very poorly sorted; subrounded to subangular; olive gray (5Y 4/2); abundant 1–5 mm shell fragments.

Depth (feet) and description



1,280: Silty sand (zS); coarse to very coarse sand and silt; moderately to well sorted; subangular; dark olive gray (5Y 3/2); abundant 1–3 mm shell fragments.



1,350: Silty sand (zS); coarse to very coarse sand and silt; well sorted; subangular to subrounded; olive gray (5Y 4/2); abundant 1–3 mm shell fragments.



1,290: Slightly gravelly silty sand ((g)mS); coarse to very coarse sand, silt, and granules; moderately to poorly sorted; subangular to subrounded; olive gray (5Y 4/2); abundant 1–2 mm shell fragments.



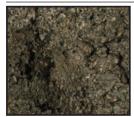
1,360: Gravelly silty sand (gmS); coarse to very coarse sand, silt, and granules to large pebbles; very poorly sorted; subrounded; olive brown (2.5Y 4/3); abundant 1–2 mm shell fragments.



1,300: Gravelly sandy silty clay (gM); clay, silt, coarse to very coarse sand, and granules to small pebbles; very poorly sorted; dark olive gray (5Y 3/2); *1–2 mm shell fragments*.



1,370: Gravelly clayey silty sand (gmS); coarse to very coarse sand, silt, clay, and granules to medium pebbles; very poorly sorted; subrounded; olive gray (5Y 4/2); minor 1–2 mm shell fragments.



1,310: Slightly gravelly silty sand ((g)mS); coarse to very coarse sand, silt, and granules; moderately to poorly sorted; subangular to subrounded; olive gray (5Y 4/2); very abundant 1–4 mm shell fragments.



1,380: Clayey silty sand (mS); coarse to very coarse sand, silt, and clay; moderately to well sorted; subrounded; dark olive gray (5Y 3/2); *1–4 mm shell fragments*.



1,320: Sandy clayey silt (sM); silt, clay, and coarse to very coarse sand; moderately sorted; dark olive gray (5Y 3/2); abundant 1–5 mm shell fragments.



1,390: Sandy clayey silt (sM); silt, clay, and coarse to very coarse sand; well sorted; dark olive gray (5Y 3/2); *1–3 mm shell fragments common.*



1,330: Slightly gravelly clayey silty sand ((g)mS); coarse to very coarse sand, silt, clay, and granules; poorly sorted; subrounded; dark olive gray (5Y 3/2); abundant 1–6 mm shell fragments.



1,400: Gravelly sandy clayey silt (gsM); silt, clay, coarse to very coarse sand, and granules to small pebbles; poorly sorted; dark olive gray (5Y 3/2); *1–4 mm shell fragments*.

Figure 17/. Lithologic descriptions and photographs of shaker drill cuttings collected from the borehole at 16 USGS multiple-depth, monitoring-well sites in San Diego County, California, 2003–2017: (A) SDCD; (B) SDSY; (C) SDLH; (D) SDAQ; (E) SDCP; (F) SDBP; (G) SDHF; (H) SDEP; (I) SDNB; (J) SDSW; (K) SDMC; (L) SDLD; (M) SDCC; (N) SDOR; (O) SDOT; and (P) SDBW.—Continued.



1,410: Gravelly sandy clayey silt (gM); silt, clay, coarse to very coarse sand, and granules to small pebbles; poorly sorted; dark olive gray (5Y 3/2); *1*–2 mm shell fragments.



1,484: Sand (S); fine to medium sand; very well sorted; subangular to subrounded; olive gray (5Y 4/2); *core*

Depth (feet) and description



1,420: Gravelly sandy clayey silt (gM); silt, clay, coarse to very coarse sand, and granules; dark olive gray (5Y 3/2); *1*–2 mm shell fragments.



1,489: Sand (S); medium to coarse sand; well to very well sorted; subangular; light olive brown (2.5Y 5/3); *core*



1,430: Sandy clayey silt (sM); silt, clay, and coarse to very coarse sand; well sorted; dark olive gray (5Y 3/2); *1*–2 mm shell fragments.



1,494: Sandy clayey silt (sM); silt, clay and coarse to very coarse sand; moderately sorted; light brownish gray (2.5Y 6/2); *core 3*.



1,440: Gravelly silty sand (gmS); coarse to very coarse sand, silt, and granules to large pebbles; very poorly sorted; subrounded to subangular; dark olive gray (5Y 3/2); *1–6 mm shell fragments common.*



1,499: Silty sand (zS); medium to coarse sand and silt; moderately sorted; subangular; light olive brown (2.5Y 5/3); core 4.



1,450: Slightly gravelly sand ((g)S); coarse to very coarse sand and granules to small pebbles; moderately to poorly sorted; subrounded; light brownish gray (2.5Y 6/2); *1–8 mm shell fragments common*.



1,501: Sand (S); medium to coarse sand; well sorted; subangular; grayish brown (2.5Y 5/2); *core 5*.



1,460: Slightly gravelly sand ((g)S); coarse to very coarse sand and granules; moderately sorted; subangular to subrounded; dark grayish brown (2.5Y 4/2); *1–3 mm shell fragments common*.



1,470: Slightly gravelly silty sand ((g)mS); coarse to very coarse sand, silt, and granules; moderately sorted; subangular; dark grayish brown (2.5Y 4/2); abundant 1–3 mm shell fragments.

Figure 17/. Lithologic descriptions and photographs of shaker drill cuttings collected from the borehole at 16 USGS multiple-depth, monitoring-well sites in San Diego County, California, 2003–2017: (A) SDCD; (B) SDSY; (C) SDLH; (D) SDAQ; (E) SDCP; (F) SDBP; (G) SDHF; (H) SDEP; (I) SDNB; (J) SDSW; (K) SDMC; (L) SDLD; (M) SDCC; (N) SDOR; (O) SDOT; and (P) SDBW.—Continued.