 Depth interval (feet) and description	 Depth interval (feet) and description
0–20: Sand (S); medium to very coarse sand; poorly to moderately sorted; angular to subangular; dark yellowish brown (10YR 4/4).	80–100: Sand (S); medium to coarse sand; well to very well sorted; angular to subangular; light olive brown (2.5Y 5/3); <i>micaceous</i> .
20–26: No sieve sample collected.	100–105: No sieve sample collected; <i>core 4</i> .
26–31: No sieve sample collected; <i>core 1</i> , <i>no recovery</i> .	105–120: Sand (S); fine to coarse sand; moderately sorted; angular to subangu- lar; light olive brown (2.5Y 5/3); <i>micaceous</i> .
31–35: Clayey sand (cS); fine to very coarse sand and clay with trace granules to small pebbles; poorly sorted; subangular to subrounded; light yellowish brown (2.5Y 6/3).	120–140: Sand (S); fine to very coarse sand with trace small pebbles; poorly to moderately sorted; angular; light olive brown (2.5 5/4); <i>micaceous</i> .
35–45: No sieve sample collected; <i>cores</i> 2 and 3, modest recovery.	140–150: No sieve sample collected; <i>cores 5 and 6.</i>
45–60: Sand (S); fine to medium sand; well to very well sorted; subangular; light olive brown (2.5Y 5/3); <i>micace-</i> <i>ous.</i>	150–160: Sand (S); very fine to coarse sand with minor silt; moderately to well sorted; subangular to subrounded; dark grayish brown (2.5Y 4/2); <i>micaceous</i> .
60–80: Sand (S); medium sand; very well sorted; subangular; light olive brown (2.5Y 5/3); <i>micaceous</i> .	160–170: Sand (S); very fine to medium sand with trace granules; moderately to well sorted; subangular to subrounded; very dark grayish brown (2.5Y 3/2); <i>micaceous; trace <2 mm shell</i> <i>fragments</i> .

 Depth interval (feet) and description	 Depth interval (feet) and description
170–180: No sieve sample collected; <i>cores 7 and 8</i> .	300–310: No sieve sample collected; <i>cores 9 and 10.</i>
180–200: Silty sand (zS); fine to medium sand with silt and trace granules; moderately to well sorted; angular to subangular; very dark gray (2.5Y 3/1); <i>calcareous; micaceous; <3 mm shell fragments.</i>	310–320: Clayey sandy silt (sM); silt with very fine to coarse sand, clay, and trace granules to small pebbles; poorly to moderately sorted; very dark gray (2.5Y 3/1); <i>calcareous; micaceous; <2</i> <i>mm shell fragments</i> .
200–220: Silty sand (zS); fine to medium sand with silt; moderately to well sorted; subangular to subrounded; very dark gray (2.5Y 3/1); <i>calcareous;</i> <i>micaceous; gastropod and bivalve shell</i> <i>fragments, <3 mm.</i>	320–340: Clayey sandy silt (sM); silt with very fine to medium sand and clay; poorly to moderately sorted; very dark gray (5Y 3/1); slightly calcareous; micaceous; trace <8 mm shell fragments.
220–240: Sandy silt (sZ); silt with very fine to medium sand; moderately to well sorted; very dark gray (5Y 3/1); <i>calcareous; micaceous; <2 mm shell fragments.</i>	340–360: Clayey sandy silt (sM); silt with very fine to medium sand, clay, and trace granules to medium pebbles; poorly to moderately sorted; very dark gray (2.5Y 3/1); <i>slightly calcareous;</i> <i>micaceous</i> .
240–260: Sandy silt (sZ); silt with very fine to medium sand; moderately to well sorted; very dark gray (5Y 3/1); <i>calcareous; micaceous; trace <16 mm</i> <i>shell fragments.</i>	360–380: Sand (S); fine to coarse sand; well sorted; subangular to subrounded; very dark gray (2.5Y 3/1); <i>micaceous;</i> <i>trace <3 mm shell fragments.</i>
260–280: Sandy silt (sZ); silt with very fine to medium sand; moderately to well sorted; very dark grayish brown (2.5Y 3/2); slightly calcareous; micaceous; trace <1 mm shell fragments.	380–385: No sieve sample collected; <i>core 11.</i>
280–300: Sandy silt (sZ); silt with very fine to coarse sand and trace granules to small pebbles; moderately sorted; very dark gray (5Y 3/1); <i>calcareous;</i> <i>micaceous;</i> <3 mm shell fragments.	385–400: Sandy clayey silt (sM); silt with clay and very fine to coarse sand; poorly to moderately sorted; very dark gray (5Y 3/1); <i>calcareous; micaceous;</i> <i>trace <1 mm shell fragments.</i>

Depth interval (feet) and description	Depth interval (feet) and description
400–420: Sandy silt (sZ); silt with very fine to medium sand and trace granules to medium pebbles; moderately sorted; very dark gray (5Y 3/1); <i>calcareous;</i> <i>micaceous; trace <1 mm shell</i> <i>fragments.</i>	540–550: No sieve sample collected; <i>cores 12 and 13.</i>
420–440: Sandy silt (sZ); silt with very fine to medium sand; moderately to well sorted; very dark gray (5Y 3/1); <i>calcareous; micaceous; trace <1 mm</i> <i>shell fragments.</i>	550–560: Silty clay (M); clay with silt and minor very fine to medium sand; well sorted; dark olive gray (5Y 3/2); <i>micaceous</i> .
440–460: Sandy clayey silt (sM); silt with clay and very fine to medium sand; moderately sorted; very dark gray (5Y 3/1); <i>calcareous; micaceous; trace <1</i> <i>mm shell fragments.</i>	560–580: Sandy silty clay (sM); clay with silt and very fine to medium sand; moderately sorted; very dark gray (5Y 3/1); calcareous; micaceous; trace <1 mm shell fragments.
460–480: Sandy clayey silt (sM); silt with clay and very fine to medium sand; moderately sorted; very dark gray (5Y 3/1); <i>calcareous; micaceous; trace <1</i> <i>mm shell fragments.</i>	580–600: Sandy silty clay (sM); clay with silt and very fine to medium sand; moderately sorted; very dark gray (5Y 3/1); <i>calcareous; micaceous; trace <1</i> <i>mm shell fragments.</i>
480–500: Sandy silty clay (sM); clay with silt and very fine to medium sand; moderately sorted; very dark gray (5Y 3/1); <i>calcareous; micaceous; trace <2</i> <i>mm shell fragments.</i>	600–605: No sieve sample collected.
500–520: Sandy clayey silt (sM); silt with clay and very fine to medium sand; moderately sorted; very dark gray (5Y 3/1); calcareous; micaceous; trace <1 mm shell fragments.	605–620: Silty sand (zS); very fine to coarse sand with silt; moderately sorted; subangular to subrounded; very dark grayish brown (2.5Y 3/2); <i>calcareous; micaceous; <5 mm shell fragments.</i>
520–540: Sandy silty clay (sM); clay with silt and very fine to medium sand; moderately sorted; very dark gray (5Y 3/1); <i>calcareous; micaceous</i> .	620–640: Silty clayey sand (mS); fine to coarse sand with clay, silt, and trace granules to small pebbles; poorly to moderately sorted; subangular to subrounded; dark grayish brown (2.5Y 4/2); <i>calcareous</i> .

640–660: Sand (S); very fine to coarse sand with minor silt; moderately sorted; subangular to subrounded; dark grayish brown (2.5Y 4/2); <i>calcareous; micace-</i> <i>ous.</i>	760–780: Silty clay (M); clay with silt and trace very fine to medium sand; well to very well sorted; dark grayish brown (2.5Y 4/2); calcareous; micace- ous; trace shell fragments.
660–680: Sandy clay (sC); clay with very fine to medium sand, minor silt, coarse sand, and trace granules to small pebbles; poorly to moderately sorted; grayish brown (10YR 5/2); <i>calcareous</i> .	780–800: Silty clay (M); clay with silt and minor very fine to medium sand; moderately to well sorted; light olive brown (2.5Y 5/3); <i>calcareous</i> .
680–700: Silty sand (zS); very fine to medium sand with silt and minor clay; moderately to well sorted; subangular to subrounded; dark grayish brown (10YR 4/2); <i>calcareous; micaceous</i> .	800–820: Sand (S); very fine to medium sand with minor silt; moderately to well sorted; angular to subangular; dark grayish brown (2.5Y 4/2); <i>calcareous;</i> <i>micaceous.</i>
700–710: Sandy silty clay (sM); clay with silt and very fine to medium sand; moderately sorted; dark grayish brown (2.5Y 4/2); <i>calcareous; minor mica</i> .	820–840: Sandy silty clay (sM); clay with silt and very fine to medium sand; moderately to well sorted; light olive brown (2.5Y 5/2); <i>slightly calcareous;</i> <i>minor mica</i> .
710–725: No sieve sample collected; <i>cores 14, 15, and 16.</i>	840–860: Silty sand (zS); very fine to coarse sand with silt and minor clay; moderately sorted; angular to subangu- lar; dark grayish brown (2.5Y 4/2); <i>slightly calcareous; micaceous.</i>
725–740: Silty clay (M); clay with silt and trace very fine to medium sand; well to very well sorted; grayish brown (2.5Y 5/2); <i>extremely calcareous</i> .	860–880: Sandy silty clay (sM); clay with silt and very fine to medium sand; moderately to well sorted; grayish brown (2.5Y 5/2); <i>calcareous; minor</i> <i>mica</i> .
740–760: Silty clay (M); clay with silt and trace very fine to medium sand; well to very well sorted; grayish brown (2.5Y 5/2); <i>calcareous; minor mica</i> .	880–900: Silty sand (zS); very fine to coarse sand with silt and trace clay; moderately to well sorted; angular to subangular; grayish brown (2.5Y 5/2); <i>calcareous; micaceous</i> .

Depth interval (feet) and description

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Depth interval (feet) and description Depth interval (feet) and description 900-920: Sand (S); very fine to coarse 1,040-1,049: No sieve sample sand with trace silt; moderately to well collected; cores 17 and 18. sorted; subangular to subrounded; dark grayish brown (2.5Y 4/2); micaceous. 920-940: Silty sand (zS); very fine to 1,049-1,060: Sand (S); very fine to coarse sand with silt; moderately to well coarse sand with minor silt; moderately sorted; subangular to subrounded; to well sorted; subangular to subroundgrayish brown (2.5Y 5/2); calcareous; ed; olive brown (2.5Y 4/3); calcareous; micaceous. micaceous. 1.060-1,080: Clayey sand (cS); fine to 940-960: Silty sand (zS); very fine to coarse sand with silt; moderately to well very coarse sand with clay; very poorly sorted; subangular to subrounded; to poorly sorted; angular to subangular; grayish brown (2.5Y 5/2); slightly grayish brown (2.5Y 5/2); slightly calcareous; micaceous. calcareous; minor mica. 960–980: Silty sand (zS); very fine to 1.080-1.100: Sand (S): very fine to coarse sand with silt; moderately to well coarse sand; moderately to well sorted; sorted; subangular to subrounded; dark subangular to subrounded; light olive grayish brown (2.5Y 4/2); slightly brown (2.5Y 5/3); calcareous; minor micaceous mica. 980-1,000: Clayey silty sand (mS); very 1,100-1,120: Sand (S); fine to very fine to coarse sand with silt and clay; coarse sand with trace granules; poorly to moderately sorted; angular to moderately to well sorted; subangular to subangular; light olive brown (2.5Y subrounded; grayish brown (2.5Y 5/2); 5/3); slightly calcareous. slightly calcareous; minor mica. 1,000–1,020: Silty sand (zS); very fine 1,120–1,140: Sandy silty clay (sM); to medium sand with silt and minor clay with silt, very fine to coarse sand, clay; moderately to well sorted; and trace granules to small pebbles; poorly sorted; light olive brown (2.5Y subangular to subrounded; dark grayish brown (2.5Y 4/2); *slightly calcareous;* 5/3); slightly calcareous; minor mica. minor mica. 1,140-1,160: Gravelly sand (gS); fine to 1,020–1,040: Silty sand (zS); very fine to coarse sand with silt; moderately to very coarse sand with granules to well sorted; subangular to subrounded; medium pebbles and trace silt; very light olive brown (2.5Y 5/3). poorly sorted; subangular to subrounded; light olive brown (2.5Y 5/3); calcareous.

Depth interval (feet) and description	 Depth interval (feet) and description
1,160–1,180: Silty sand (zS); fine to coarse sand with silt and minor clay; poorly to moderately sorted; subangular to subrounded; light olive gray (2.5Y 5/3); <i>slightly micaceous</i> .	1,300–1,320: Sand (S); fine to coarse sand with minor silt; moderately to well sorted; subrounded to rounded; light olive brown (2.5Y 5/3); <i>calcareous;</i> <i>minor mica</i> .
1,180–1,200: Sandy silty clay (sM); clay with silt and fine to coarse sand; poorly to moderately sorted; brown (10YR 4/3); <i>slightly micaceous;</i> <i>oxidized.</i>	1,320–1,340: Silty sand (zS); very fine to coarse sand with silt, trace clay, and granules to small pebbles; very poorly to poorly sorted; subangular to subrounded; light olive brown (2.5Y 5/3); <i>slightly calcareous; minor mica</i> .
1,200–1,220: Silty sand (zS); fine to coarse sand with silt; moderately to well sorted; subangular to subrounded; light olive brown (2.5Y 5/3); <i>calcareous;</i> <i>slightly micaceous.</i>	1,340–1,360: Sand (S); very fine to coarse sand with minor silt; moderately to well sorted; subangular to subround- ed; light olive brown (2.5Y 5/3); <i>calcareous; micaceous.</i>
1,220–1,240: Sand (S); fine to coarse sand; moderately to well sorted; subangular to subrounded; light olive brown (2.5Y 5/3); <i>calcareous; slightly</i> <i>micaceous.</i>	1,360–1,380: Sand (S); very fine to coarse sand; well sorted; angular to subangular; light olive brown (2.5Y 5/3).
1,240–1,260: Clayey silty sand (mS); fine to coarse sand with silt and clay; moderately sorted; subangular to subrounded; light olive brown (2.5Y 5/3); <i>calcareous; minor mica</i> .	1,380–1,400: Silty sand (zS); fine to coarse sand with silt, minor clay, and trace granules to medium pebbles; moderately sorted; angular to subangular; olive brown (2.5Y 4/3); <i>slightly calcareous</i> .
1,260–1,280: Sand (S); fine to coarse sand with minor silt; moderately to well sorted; subangular to subrounded; light olive brown (2.5Y 5/3); <i>slightly</i> <i>calcareous; micaceous</i> .	1,400–1,420: Sand (S); very fine to coarse sand with trace granules to small pebbles; well sorted; angular to subrounded; olive brown (2.5Y 4/3); <i>calcareous</i> .
1,280–1,300: Sand (S); fine to coarse sand with trace granules to medium pebbles; moderately sorted; subangular to subrounded; light olive brown (2.5Y 5/3); <i>slightly calcareous; minor mica</i> .	1,420–1,440: Sand (S); fine to coarse sand with trace silt; well sorted; angular to subrounded; olive brown (2.5Y 4/3); <i>slightly calcareous; minor mica</i> .

Depth interval (feet) and description

multiple-depth, monitoring-well sites in San Diego County, California, 1995, 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. IP037257_fig18M

 Depth interval (feet) and description	 Depth interval (feet) and description
1,440–1,460: Sand (S); fine to coarse sand; well sorted; angular to subangu- lar; light olive brown (2.5Y 5/3); <i>calcareous</i> .	1,580–1,600: Sand (S); very fine to medium sand; well sorted; subangular to subrounded; dark grayish brown (2.5Y 4/2); <i>calcareous; minor mica</i> .
1,460–1,480: Silty sand (zS); fine to coarse sand with silt and minor clay; moderately sorted; subangular to subrounded; olive brown (2.5Y 4/3); <i>calcareous; trace mica.</i>	1,600–1,610: No sieve sample collected.
1,480–1,500: Sand (S); fine to coarse sand; moderately to well sorted; subangular to subrounded; light olive brown (2.5Y 5/3); <i>slightly calcareous;</i> <i>minor mica</i> .	1,610–1,620: Silty sand (zS); very fine to medium sand with silt and trace coarse sand; moderately to well sorted; subrounded to rounded; dark gray (2.5Y 4/1); <i>slightly calcareous; micaceous</i> .
1,500–1,520: Sand (S); fine to coarse sand; moderately to well sorted; angular to subangular; olive brown (2.5Y 4/3); <i>slightly calcareous; micaceous.</i>	1,620–1,640: Silty sand (zS); very fine to medium sand with silt and trace coarse sand; moderately to well sorted; subrounded to rounded; dark gray (2.5Y 4/1); <i>calcareous; micaceous</i> .
1,520–1,540: Sand (S); very fine to medium sand with minor silt; well sorted; angular to subangular; olive brown (2.5Y 4/3); <i>slightly calcareous;</i> <i>micaceous.</i>	1,640–1,660: Silty sand (zS); fine to coarse sand with silt; moderately to well sorted; subangular to subrounded; dark grayish brown (2.5Y 4/2); <i>calcareous;</i> <i>micaceous; trace <1 mm shell</i> <i>fragments.</i>
1,540–1,560: Sand (S); very fine to coarse sand; moderately to well sorted; angular to subangular; dark grayish brown (2.5Y 4/2); <i>calcareous; slightly micaceous.</i>	1,660–1,680: Silty sand (zS); very fine to medium sand with silt; moderately to well sorted; subangular to subrounded; dark grayish brown (2.5Y 4/2); <i>calcareous; micaceous.</i>
1,560–1,580: Sand (S); very fine to coarse sand; well sorted; subangular to subrounded; dark grayish brown (2.5Y 4/2); <i>slightly calcareous</i> .	1,680–1,700: Silty sand (zS); very fine to medium sand with silt; moderately to well sorted; subangular to subrounded; dark grayish brown (2.5Y 4/2); <i>calcareous; micaceous; trace <1 mm</i> <i>shell fragments</i> .

Depth interval (feet) and description

1,700–1,720: No sieve sample collected; <i>cores 19, 20, 21, 22, and 23</i> .