



# Bedrock Geology of the Clementon Quadrangle Burlington and Camden Counties, New Jersey

New Jersey Geological and Water Survey  
Geologic Map Series GMS 21-5  
2021

Pamphlet containing table 1 to accompany map.

Table 1. Selected well and boring records. Footnotes at end of table (p. 3-4).

Identifier <sup>1</sup>	Inferred Stratigraphy <sup>2</sup>
31-01202	53 Tch; 90 Tkw; 120 Tsr; 150 Tmq + Tmb; 180 Tvt; 230 Tht + Kns; 305 Kml; 325 Kw; 355 Kmt; 460 Ketu; 480 Ketl
31-01865	5 Surf; 21 Kns; 59 Kml; 142 Kw + Kmt; 321 Ket + Kwb + Kmv; 386 Kmg
31-02060	100 Tch + Tkw; 135 Tsr + Tmq + Tmb; 165 Tvt; 180 Tht
31-02079	8 Surf; 113 Tch + Tkw; 176 Tsr; 197 Tmq; 220 Tmb; 292 Tvt + Tht + Kns; 411 Kml + Kw + Kmt; 540 Ketu; 555 Ketl; 566 Kwb; 621 Kmv; 955 Kmg + Kr + Kp
<b>31-03872, E</b>	35 Surf + Tkw; 50 Tvt; 75 Tht; 100 Kns; 155 Kml; 185 Kw; 215 Kmt; 305 Ketu; 335 Ketl; 360 Kwb; 400 Kmv; 490 Kmg; 587 Kp
31-04426, G	12 Surf; 105 Tch; 202 Tkw; 339 Tsr; 351 Tmq; 368 Tmb; 403 Tvt; 460 Tht + Kns
31-04749	14 Surf; 105 Tch; 205 Tkw; 337 Tsr; 366 Tmq + Tmb; 408 Tvt; 460 Tht + Kns + Kml
31-04781	5 Surf; 29 Tkw; 65 Tsr; 86 Tmq + Tmb; 115 Tvt; 125 Tht; 143 Kns; 210 Kml + Kw
<b>31-05420, E</b>	40 Surf + Tkw; 65 Tvt; 90 Tht; 130 Kns; 185 Kml; 220 Kw; 240 Kmt; 325 Ketu; 360 Ketl; 380 Kwb; 440 Kmv; 540 Kmg; 698 Kp
31-05950	8 Surf; 81 Tvt + Tht + Kns; 123 Kml; 222 Kw + Kmt; 321 Ketu; 350 Ketl; 444 Kwb + Kmv; 567 Kmg; 655 Kr; 1127 Kp
31-06208	15 Surf; 113 Tsr + Tkw; 203 Tsr; 290 Tmq + Tmb + Tvt + Tht; 336 Kns; 425 Kml; 513 Kw + Kmt; 672 Ketu; 684 Ketl; 707 Kwb; 747 Kmv
31-06646, E	34 Surf; 87 Tch; 152 Tkw; 199 Tsr; 275 Tmq + Tmb + Tvt; 303 Tht; 391 Kns + Kml; 449 Kw + Kmt; 584 Ket; 657 Kwb + Kmv; 773 Kmg; 783 Kr
31-06833	9 Surf; 50 Tch
31-06840, E	25 Surf + Tkw; 147 Tsr + Tmq + Tmb + Tvt + Tht; 177 Kns; 267 Kml + Kw; 305 Kmt; 444 Ket; 463 Kwb; 509 Kmv; 631 Kmg
31-06841, E	172 Surf + Tsr (?) + Tmq + Tmb + Tvt + Tht + Kns; 308 Kml + Kw + Kmt; 452 Ket; 474 Kwb; 514 Kmv; 602 Kmg
31-12301	29 Surf; 118 Tch; 177 Tkw; 225 Tsr; 295 Tmq + Tmb + Tvt; 417 Tht + Kns + Kml; 463 Kw + Kmt; 592 Ket; 661 Kwb + Kmv; 744 Kmg; 784 Kr
31-15450	60 Surf + Tkw + Tvt; 80 Tht; 133 Kns; 185 Kml; 225 Kw; 375 Kmt + Ket; 405 Kwb; 465 Kmv; 512 Kmg
31-16443	22 Surf; 95 Tch; 180 Tkw; 294 Tsr; 340 Tmq + Tmb; 394 Tvt; 448 Tht + Kns
31-18048	27 Surf; 61 Tkw; 115 Tsr; 168 Tmq + Tmb + Tvt; 230 Tht + Kns + Kml
31-21569	10 Tch; 86 Tkw; 115 Tsr
31-23359	20 Surf; 105 Tkw + Tmq + Tmb; 160 Tvt + Tht + Kns; 190 Kml
31-23689	45 Tkw + Tvt; 60 Tht; 80 Kns; 104 Kml
31-24776, G & E	60 Surf + Tch; 130 Tkw; 170 Tsr; 200 Tmq + Tmb; 220 Tvt; 240 Tht; 266 Kns; 324 Kml; 360 Kw; 384 Kmt; 454 Ketu
31-27227	20 Surf + Tch; 80 Tkw
31-28139	32 Surf + Tkw; 69 Tsr; 88 Tmq + Tmb; 138 Tvt + Tht + Kns; 175 Kml
31-28300	15 Tch; 37 Tkw; 50 Tvt; 80 Tht; 103 Kns; 166 Kml
31-29320	16 Surf; 34 Tvt; 172 Tht + Kns + Kml; 214 Kw + Kmt; 252 Ketu

<b>31-29979, G &amp; E</b>	40 Surf + Tch; 120 Tkw; 205 Tsr; 225 Tmq; 250 Tmb; 285 Tvt; 300 Tht; 330 Kns; 405 Kml; 420 Kw
<b>31-30020, G &amp; E</b>	80 Surf + Tch; 185 Tkw; 310 Tsr; 335 Tmq; 360 Tmb; 400 Tvt; 410 Tht; 455 Kns; 515 Kml; 550 Kw; 570 Kmt; 588 Ketu
31-31034	10 Surf; 47 Tch; 75 Tkw
31-31908, G & E	10 Surf; 20 Tch; 80 Tkw; 140 Tsr; 180 Tmq + Tmb; 205 Tvt
31-32452	29 Tkw; 78 Tsr (?) + Tmq (?) + Tmb; 146 Tvt + Tht + Kns; 200 Kml
31-34379	38 Tkw; 62 Tsr (?) + Tmq (?) + Tmb; 90 Tvt; 105 Tht; 135 Kns; 173 Kml
31-34572	18 Surf; 35 Tkw; 83 Tsr + Tmq + Tmb + Tvt; 105 Tht; 125 Kns; 165 Kml
31-37611, G & E	41 Surf + Tch; 106 Tkw; 171 Tsr; 186 Tmq; 211 Tmb; 241 Tvt; 281 Tht + Kns; 356 Kml; 366 Kw
31-37826, G & E	25 Surf + Tch; 102 Tkw; 164 Tsr; 180 Tmq; 224 Tmb + Tvt; 238 Tht; 266 Kns; 364 Kml; 378 Kw; 394 Kmt; 540 Ket + Kwb; 590 Kmv; 678 Kmg; 762 Kr
31-39470	8.5 Surf; 15 Tht + Kns (?)
31-39753	15 Surf; 30 Tkw; 62 Tsr (?) Tmq (?) + Tmb; 90 Tvt; 134 Tht + Kns; 172 Kml
<b>31-40750, G</b>	67 Surf + Tch; 145 Tkw; 175 Tsr; 180 Tmq; 200 Tmb; 225 Tvt; 240 Tht; 270 Kns; 330 Kml; 360 Kw; 390 Kmt; 490 Ketu; 515 Ketl; 540 Kwb; 585 Kmv; 705 Kmg; 795 Kr; 1081 Kp
31-41615	26 Surf; 30 Tkw
31-42980	27 Tkw; 56 Tsr; 84 Tmq + Tmb; 130 Tvt + Tht + Kns; 152 Kml
31-44554	22 Surf; 92 Tch
31-45624	64 Surf + Tch
31-47168	9 Surf; 31 Tch; 97 Tkw
31-47169	32 Surf + Tch; 100 Tkw
31-50050	15 Surf + Tch; 70 Tkw; 120 Tsr; 170 Tmq + Tmb; 320 Tvt + Tht + Kns + Kml
31-50346	30 Surf; 55 Tch; 93 Tkw
<b>31-50347</b>	16 Surf; 82 Tch; Tkw 118
31-51683	24 Surf; 50 Tkw; 80 Tsr; 100 Tmq + Tmb; 150 Tvt + Tht; 190 Kns; 240 Kml
31-52278	25 Surf; 69 Tch
31-52280, G	25 Surf; 70 Tch
31-53365	20 Surf; 100 Tch
31-53861	18 Surf + Tvt + Tht; 35 Kns; 100 Kml; 150 Kw + Kmt; 250 Ket; 405 Kwb + Kmv + Kmg
31-53906	9 Surf; 18 Tht; 35 Kns; 100 Kml; 150 Kw + Kmt; 250 Ket; 405 Kwb + Kmv + Kmg
31-55820	50 Surf + Tkw; 75 Tsr; 180 Tmq + Tmb + Tvt + Tht + Kns; 200 Kml
31-56966	20 Tch; 61 Tkw; 103 Tsr; 122 Tmq + Tmb; 145 Tvt; 165 Tht; 202 Kns; 232 Kml
31-57027	10 Surf; 35 Tkw
31-57671	38 Surf; 134 Tch + Tkw; 235 Tsr; 255 Tmq; 295 Tmb; 320 Tvt; 355 Tht + Kns; 400 Kml
31-57877	18 Surf; 30 Kns
31-58094	19 Surf + Tkw; 22 Tvt
31-58095	30 Tch; 110 Tkw; 150 Tsr; 195 Tmq + Tmb; 270 Tvt + Tht + Kns; 300 Kml
31-58437	24 Surf; 31 Tch; 107 Tkw; 150 Tsr; 175 Tmq + Tmb; 200 Tvt; 255 Tht + Kns; 295 Kml
31-58694	15 Surf; 60 Tkw + Tmq (?) + Tvt; 130 Tht + Kns; 160 Kml
31-59001	45 Tkw; 63 Tvt; 122 Tht + Kns; 172 Kml
31-59058	67 Surf + Tch; 171 Tkw; 293 Tmq + Tmb; 336 Tvt + Tht; 385 Kns + Kml
31-61104	28 Surf; 48 Tch; 109 Tkw; 192 Tsr; 226 Tmq + Tmb; 256 Tvt; 261 Tht; 300 Kns; 382 Kml; 400 Kw
31-61721	6 Surf; 68 Tch + Tkw; 72 Tsr + Tmq + Tmb; 95 Tvt; 140 Tht + Kns; 182 Kml
31-63110	20 Surf; 104 Tch
31-65755	38 Surf + Tch; 125 Tkw; 160 Tsr; 180 Tmq + Tmb; 225 Tvt + Tht; 265 Kns; 320 Kml
31-67381	5 Surf; 45 Tch; 175 Tkw + Tsr; 215 Tmq + Tmb; 296 Tvt + Tht + Kns; 398 Kml + Kw
31-68795	21 Surf; 68 Tkw; 72 Tmq + Tmb; 95 Tvt; 140 Tht + Kns; 176 Kml
31-68967	12 Surf; 18 Tvt
31-71689	30 Tkw; 75 Tsr (?) + Tmq (?) + Tmb (?); 110 Tvt; 150 Tht + Kns; 200 Kml

31-72361	29 Surf + Tch; 95 Tkw; 180 Tsr; 220 Tmq + Tmb; 290 Tvt + Tht + Kns; 340 Kml
31-72858	17 Surf; 32 Tch; 100 Tkw
31-74833	15 Surf; 30 Tht; 38 Kns
31-75283	5 Surf; 15 Tvt; 22 Tht
31-75490	19 Surf + Tch; 63 Tkw; 105 Tsr; 160 Tmq + Tmb; 185 Tvt; 240 Tht + Kns; 330 Kml
B0014700	20 Surf; 36.5 Tch
B0014702	36.5 Surf; 41.5 Tch
B0014707	17 Surf; 41 Tch
B0014713	15 Surf; 36.5 Tch
B0014718	16.5 Surf; 21.5 Tchs; Tchc 26.5; 31.5 Tchs
B0014720	11.5 Surf
B0014724	16.5 Surf; 41.5 Tch
B0033518	22 Surf; 40 Tch
B0033521	17 Surf
B0033555	10 Surf; 41 Tch
B0033560	12 Surf; 40 Tch
B0033567	6 Surf; 27 Tch
B0046912	17 Surf
B0046915	4.5 Surf; 16 Tch
B0046936	10 Surf; 22 Tch
B0046971	10 Surf; 40 Tch
B0055209	8.5 Surf; 31.5 Tch
B0058237	11 Surf; 25 Tkw
<b>E201011650, G &amp; E</b>	42 Surf + Tch; 110 Tkw; 180 Tsr; 195 Tmq; 220 Tmb; 250 Tvt; 260 Tht; 295 Kns; 370 Kml; 400 Kw; 430 Kmt; 540 Ketu; 555 Ketl; 570 Kw; 622 Kmv; 716 Kmg
<b>E201110064, G &amp; E</b>	27 Surf; 50 Tch; 120 Tkw; 185 Tsr; 205 Tmq; 230 Tmb; 270 Tvt; 280 Tht; 305 Kns; 390 Kml; 420 Kw; 432 Kmt
E201212785	10 Surf; 15 Tch; 80 Tkw; 120 Tsr; 180 Tmq + Tmb + Tvt + Tht; 240 Kns + Kml
<b>E201317513, G &amp; E</b>	8 Tht; 35 Kns; 80 Kml; 115 Kw; 150 Kmt; 240 Ketu; 270 Ketl 295 Kw; 330 Kmv; 420 Kmg; 432 Kp
E201502167	7 Surf; 60 Tkw; 87 Tsr + Tmq + Tmb; 143 Tvt + Tht + Kns; 210 Kml; 250 Kw + Kmt
<b>E201801322, G</b>	11 Surf; 50 Tch; 115 Tkw; 175 Tsr; 195 Tmq; 220 Tmb; 250 Tvt; 260 Tht; 295 Kns; 338 Kml
P200800202	7 Surf; 70 Tkw + Tsr; 90 Tmq + Tmb; 110 Tvt; 145 Tht + Kns; 185 Kml
P200901845	15 Surf; 28 Tkw; 59 Tsr + Tmq + Tmb; 80 Tvt; 125 Tht + Kns; 165 Kml
P200907938	40 Surf + Tkw; 250 Tsr + Tmq + Tmb + Tvt + Tht + Kns; 300 Kml
P200910865	52 Surf + Tht + Kns; 105 Kml; 150 Kw + Kmt

<sup>1</sup>Identifiers of the form of 31-xxxxx, Exxxxxxx, and Pxxxxxxx are N.J. Department of Environmental Protection well permit numbers. Identifiers of the form B00xxxx indicate N.J. Department of Transportation Test Hole Numbers / Boring Numbers which can be found at <http://www.state.nj.us/transportation/refdata/geologic/>. Identifiers are **bolded** when depicted on cross-sections. A "G" following the identifier indicates that a gamma ray log is on file at the New Jersey Geological and Water Survey; an "E" indicates that an electric log (single point resistance and spontaneous potential) is on file at the New Jersey Geological and Water Survey. Identifiers are ordered in increasing numeric value or alphabetical order when a letter leads the identifier. Well locations are shown on the map to an accuracy of within 500 feet. Soil boring locations are shown on the map to an accuracy of 100 feet.

<sup>2</sup>Numbers preceding the abbreviated formation name represent the depth (in feet below land surface) of the unit's base. For example, "15 Surf; 40 Tch; 100 Tkw" indicates surficial deposits from 0 to 15 feet below ground surface, Tch from 15 to 40 feet below ground surface, and Tkw from 40 to 100 feet below ground surface. The last number in the sequence represents the total depth reported in the log, which is not necessarily the base of the unit. A "+" sign between units indicates that such units could not be differentiated in the lithologic and/or geophysical log. A "(?)" sign indicates that the preceding unit (Tsr, Tmq and/or Tmb) may not be present at the well area according to cross section A-A'. "Ket" is listed if "Ketu" and "Ketl" cannot be differentiated. "Surf" refers to surficial units identified in Carone (2022). Many logs

do not distinguish surficial units from the uppermost bedrock unit. In these cases, the surficial unit is included in the uppermost bedrock unit. Unit abbreviations are explained in the Description of Map Units. Units are inferred from drillers', geologists', or engineers' lithologic descriptions on well records filed with the N.J. Department of Environmental Protection, N.J. Department of Transportation boring logs, or geophysical logs on file at the New Jersey Geological and Water Survey. Interpretation of sediments described in the logs may not match the map and sections due to variability in drillers' descriptions and lag time involved in the drilling process.