

LITHOLOGIC WELL LOG PRINTOUT

SOURCE - FGS

WELL NUMBER: W-17042 COUNTY - HIGHLANDS
TOTAL DEPTH: 1183 FT. LOCATION: T.34S R.30E S.01
127 SAMPLES FROM 0 TO 1183 FT. LAT = 27D 30M 39S
LON = 81D 16M 43S
COMPLETION DATE: 09/15/93 ELEVATION: 65 FT
OTHER TYPES OF LOGS AVAILABLE - OTHER

OWNER/DRILLER:SOUTH FLORIDA WATER MANAGEMENT DISTRICT

WORKED BY: __JOE AYLOR (1/31/94).
SFWMD ID# FOR CUTTINGS IS 055-10 (HOLE #AVPK-S2), HIGHLANDS, COUNTY.
LOCATED IN THE 3/4, 4/4, SEC 1, T34S, R30E.
POLYCONINC EAST ZONE PLANAR X=409682; PLANAR Y=1154922.
UTM ZONE 17 PLANAR X=472483; PLANAR Y=3042878
SFWMD GEOPHYSICAL #055000018 AND GEOLOGIST LOGS FOR THIS TEST-MONITOR WELL
WELL IS LOCATED IN THE LAKE ARBUNKLE S.E. 7.5 MINUTE QUADRANGLE.

0. - 40 . 090UDSC UNDIFFERENTIATED SAND AND CLAY
40. - 330 . 122HTRN HAWTHORN GROUP
330. -1003 . 124OCAL OCALA GROUP
1003. - . 124AVPK AVON PARK FM.
200. - 205 . 000NOSM NO SAMPLES
1145. -1147 . 000NOSM NO SAMPLES

0 - 20 SAND; GRAYISH BROWN TO DARK YELLOWISH BROWN
25% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
ROUNDNESS: SUB-ANGULAR TO SUB-ROUNDED; MEDIUM SPHERICITY
UNCONSOLIDATED
ACCESSORY MINERALS: IRON STAIN-05%, LIMONITE- %
ORGANICS- %
FOSSILS: NO FOSSILS

20 - 40 SAND; DARK GRAY TO BLACK
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN SIZE: MEDIUM; RANGE: FINE TO VERY COARSE
ROUNDNESS: SUB-ANGULAR TO SUB-ROUNDED; MEDIUM SPHERICITY
UNCONSOLIDATED
ACCESSORY MINERALS: ORGANICS-10%, IRON STAIN-05%
FOSSILS: NO FOSSILS
POOR SORTING.

40 - 50 SAND; GRAYISH OLIVE
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
ROUNDNESS: SUB-ANGULAR TO SUB-ROUNDED; MEDIUM SPHERICITY
UNCONSOLIDATED
ACCESSORY MINERALS: SHELL-30%, CALCILUTITE- %

FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS
TOP OF HAWTHORN GROUP AT 40 FEET.

50 - 70 SAND; LIGHT OLIVE TO GREENISH GRAY
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
ROUNDNESS: SUB-ANGULAR TO SUB-ROUNDED; MEDIUM SPHERICITY
UNCONSOLIDATED
ACCESSORY MINERALS: SHELL-50%
FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, ECHINOID

70 - 110 SAND; LIGHT OLIVE GRAY
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
ROUNDNESS: SUB-ANGULAR TO SUB-ROUNDED; MEDIUM SPHERICITY
UNCONSOLIDATED
ACCESSORY MINERALS: SHELL-30%
FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, ECHINOID

110 - 130 SAND; LIGHT OLIVE
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
ROUNDNESS: SUB-ANGULAR TO SUB-ROUNDED; MEDIUM SPHERICITY
UNCONSOLIDATED
ACCESSORY MINERALS: SHELL-15%
FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS

130 - 160 SAND; LIGHT OLIVE
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
ROUNDNESS: SUB-ANGULAR TO SUB-ROUNDED; MEDIUM SPHERICITY
UNCONSOLIDATED
ACCESSORY MINERALS: SHELL-10%, PHOSPHATIC SAND-02%
FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS

160 - 170 SAND; LIGHT OLIVE
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
ROUNDNESS: SUB-ANGULAR TO SUB-ROUNDED; MEDIUM SPHERICITY
UNCONSOLIDATED
ACCESSORY MINERALS: SHELL-20%, PHOSPHATIC SAND-02%
FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS
20% MEDIUM GRAY LIMESTONE.

170 - 200 LIMESTONE; MODERATE GRAY
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
90% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE
MODERATE INDURATION

CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: QUARTZ SAND-30%, SHELL-20%
PHOSPHATIC SAND-02%
FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS
30% PALE OLIVE SAND, 5% CONGLOMERATIC, TRANSPARENT
SUBROUNDED QUARTZ.

200 - 205 NO SAMPLES

205 - 210 LIMESTONE; MODERATE LIGHT GRAY
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
90% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: SHELL-30%, QUARTZ SAND-20%
PHOSPHATIC SAND-02%, SPAR- %
FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS
TURRITELLA, LOST CIRCULATION MATERIAL, 20% PALE OLIVE SAND
OF THE HAWTHORN GROUP.

210 - 220 CALCILUTITE; VERY LIGHT ORANGE
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
90% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: SHELL-05%
FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS
10% MEDIUM GRAY LIMESTONE.

220 - 230 CALCILUTITE; LIGHT OLIVE GRAY
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
90% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: SHELL-20%, QUARTZ SAND-20%
PHOSPHATIC SAND-02%, SPAR- %
OTHER FEATURES: LOW RECRYSTALLIZATION
FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS
LOST CIRCULATION MATERIAL, 40% PALE OLIVE SAND OF THE
HAWTHORN GROUP FROM CAVINGS (?). 60% WHITE AND LIGHT GRAY
LIMESTONE, 3% CONGLOMERATIC, TRANSPARENT QUARTZ.

230 - 275 CALCILUTITE; WHITE
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY

GRAIN TYPE: BIOGENIC, CALCILUTITE
90% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: PHOSPHATIC SAND-03%, SPAR- %
OTHER FEATURES: LOW RECRYSTALLIZATION
FOSSILS: FOSSIL MOLDS

275 - 280 CALCILUTITE; WHITE
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
90% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: LIMESTONE-20%, QUARTZ-10%
PHOSPHATIC SAND-04%
OTHER FEATURES: LOW RECRYSTALLIZATION
FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS

280 - 290 CALCILUTITE; VERY LIGHT GRAY
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
90% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: LIMESTONE-35%, QUARTZ-10%, SHELL-05%
PHOSPHATIC SAND-05%
OTHER FEATURES: LOW RECRYSTALLIZATION
FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, FOSSIL MOLDS
GASTROPODS, 15% OF LIMESTONE IS VERY PALE ORANGE AND
MASSIVE.

290 - 300 LIMESTONE; MODERATE LIGHT GRAY
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
90% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: CALCILUTITE-10%, PHOSPHATIC SAND-05%
QUARTZ-02%
FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS
GASTROPODS, 5% MEDIUM GRAY DOLOSTONE.

300 - 315 LIMESTONE; MODERATE GRAY
25% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE

90% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: QUARTZ SAND-25%, SHELL-20%
PHOSPHATIC SAND-03%, CALCITE- %
OTHER FEATURES: MEDIUM RECRYSTALLIZATION
FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS

315 - 330 LIMESTONE; MODERATE GRAY
25% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
90% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: QUARTZ SAND-25%, CALCILUTITE-20%
SHELL-10%, PHOSPHATIC SAND-01%
FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, FOSSIL MOLDS
20% WHITE CALCILUTITE, QUARTZ UP TO CONGLOMERATE SIZE AND
CALCITE UP TO -2 PHI.

330 - 343 CALCILUTITE; VERY LIGHT ORANGE
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
95% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: PHOSPHATIC SAND-01%
FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, MILIOLIDS
BENTHIC FORAMINIFERA
NUMMULITES SP. LEPIDOCYCLINA SP., TOP OF OCALA GROUP AT 330
FEET.

343 - 350 CALCILUTITE; VERY LIGHT ORANGE
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
95% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: PHOSPHATIC SAND-01%, CALCITE- %
FOSSILS: FOSSIL FRAGMENTS, BENTHIC FORAMINIFERA, ECHINOID
10% LIGHT GRAY LIMESTONE, LEPIDOCYCLINA SP, NUMMULITES SP.

350 - 370 CALCILUTITE; VERY LIGHT ORANGE
25% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
95% ALLOCHEMICAL CONSTITUENTS

GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: SPAR- %
FOSSILS: BENTHIC FORAMINIFERA, BRYOZOA
15% LEPIDOCYCLINA SP., 2% LIGHT GRAY LIMESTONE, 2%
NUMMULITES SP.

370 - 390 CALCILUTITE; VERY LIGHT ORANGE
25% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
90% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: MICROCRYSTALLINE TO MEDIUM
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: LIMESTONE-20%
FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, BENTHIC FORAMINIFERA
40% LEPIDOCYCLINA SP. AND 2% NUMMULITES SP.

390 - 500 CALCARENITE; VERY LIGHT ORANGE
30% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
90% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: MICROCRYSTALLINE TO MEDIUM
UNCONSOLIDATED
ACCESSORY MINERALS: CALCILUTITE-20%
FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, BENTHIC FORAMINIFERA
ECHINOID
75% LEPIDOCYCLINA SP. IS CONGLOMERATE OF SAMPLE. GYPSINA
GLOBULA

500 - 540 CALCILUTITE; VERY LIGHT ORANGE
25% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
90% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: SPAR- %
OTHER FEATURES: LOW RECRYSTALLIZATION
FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, BENTHIC FORAMINIFERA
MILIOLIDS
40% LEPIDOCYCLINA SP., 5% NUMMULITES SP., 4MM DIAMETER SEA
URCHINS.

540 - 600 CALCILUTITE; VERY LIGHT ORANGE TO YELLOWISH GRAY
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
90% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE

POOR INDURATION

CEMENT TYPE(S): CALCILUTITE MATRIX

ACCESSORY MINERALS: SPAR- %, CALCITE- %

OTHER FEATURES: MEDIUM RECRYSTALLIZATION

FOSSILS: BENTHIC FORAMINIFERA, MILIOLIDS

5% LEPIDOCYCLINA SP. BROKEN INTO 1CM DIAMETER, NUMMULITES SP.

600 - 660 CALCILUTITE; VERY LIGHT ORANGE TO VERY LIGHT GRAY
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
90% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: MICROCRYSTALLINE
RANGE: CRYPTOCRYSTALLINE TO VERY FINE; POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
OTHER FEATURES: LOW RECRYSTALLIZATION
FOSSILS: BENTHIC FORAMINIFERA, MILIOLIDS
DICTYOCONUS COOKEI, NUMMULITES SP., LEPIDOCYCLINA SP.

660 - 720 CALCILUTITE; VERY LIGHT ORANGE TO YELLOWISH GRAY
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
90% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: MICROCRYSTALLINE
RANGE: CRYPTOCRYSTALLINE TO VERY FINE; POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
OTHER FEATURES: LOW RECRYSTALLIZATION
FOSSILS: BENTHIC FORAMINIFERA, MILIOLIDS

720 - 750 CALCILUTITE; VERY LIGHT ORANGE TO YELLOWISH GRAY
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
95% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: MICROCRYSTALLINE
RANGE: CRYPTOCRYSTALLINE TO VERY FINE; POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: SPAR- %
OTHER FEATURES: LOW RECRYSTALLIZATION
FOSSILS: MILIOLIDS
PREVIOUS INTERNAL DARKER IN COLOR.

750 - 760 LIMESTONE; GRAYISH ORANGE
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
90% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: SPAR- %
OTHER FEATURES: MEDIUM RECRYSTALLIZATION

FOSSILS: MILIOLIDS
35% VERY PALE ORANGE CALCILUTITE.

760 - 810 CALCILUTITE; WHITE

20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
90% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: MICROCRYSTALLINE
RANGE: CRYPTOCRYSTALLINE TO VERY FINE; POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: SPAR- %
OTHER FEATURES: LOW RECRYSTALLIZATION
FOSSILS: MILIOLIDS

810 - 840 CALCILUTITE; VERY LIGHT ORANGE

20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
90% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: MICROCRYSTALLINE
RANGE: CRYPTOCRYSTALLINE TO VERY FINE; POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: SPAR- %
OTHER FEATURES: LOW RECRYSTALLIZATION
FOSSILS: MILIOLIDS, FOSSIL FRAGMENTS, BENTHIC FORAMINIFERA
DICTYOCONOUS COOKEI.

840 - 860 CALCILUTITE; WHITE

20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
90% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: MICROCRYSTALLINE
RANGE: CRYPTOCRYSTALLINE TO VERY FINE; POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: SPAR- %
OTHER FEATURES: LOW RECRYSTALLIZATION
FOSSILS: MILIOLIDS

860 - 870 CALCILUTITE; VERY LIGHT ORANGE

20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
90% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: MICROCRYSTALLINE
RANGE: CRYPTOCRYSTALLINE TO VERY FINE; POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: SPAR- %
OTHER FEATURES: LOW RECRYSTALLIZATION
FOSSILS: MILIOLIDS, FOSSIL FRAGMENTS

870 - 880 CALCILUTITE; VERY LIGHT ORANGE

20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY

GRAIN TYPE: BIOGENIC, CALCILUTITE
90% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: MICROCRYSTALLINE
RANGE: CRYPTOCRYSTALLINE TO VERY FINE; POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: SPAR- %, PHOSPHATIC SAND- %
OTHER FEATURES: LOW RECRYSTALLIZATION
FOSSILS: MILIOLIDS, FOSSIL FRAGMENTS
2% LIGHT GRAY DOLOSTONE, PHOSPHATE FROM CAVINGS.

880 - 940 CALCILUTITE; VERY LIGHT ORANGE
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
90% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: MICROCRYSTALLINE
RANGE: CRYPTOCRYSTALLINE TO VERY FINE; POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: SPAR- %
OTHER FEATURES: LOW RECRYSTALLIZATION
FOSSILS: MILIOLIDS

940 - 950 CALCILUTITE; VERY LIGHT ORANGE
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
90% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: MICROCRYSTALLINE
RANGE: CRYPTOCRYSTALLINE TO VERY FINE; POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: SPAR- %
OTHER FEATURES: LOW RECRYSTALLIZATION
FOSSILS: MILIOLIDS
5% LIGHT GRAY DOLOSTONE, 10% MASSIVE LIMESTONE.

950 - 994 CALCILUTITE; VERY LIGHT ORANGE
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
90% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: MICROCRYSTALLINE
RANGE: CRYPTOCRYSTALLINE TO VERY FINE; POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: SPAR- %
OTHER FEATURES: LOW RECRYSTALLIZATION
FOSSILS: MILIOLIDS
5% MASSIVE LIMESTONE.

994 - 1003 CALCILUTITE; GRAYISH ORANGE
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
90% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM

POOR INDURATION

CEMENT TYPE(S): CALCILUTITE MATRIX

OTHER FEATURES: MEDIUM RECRYSTALLIZATION

FOSSILS: MILIOLIDS, BENTHIC FORAMINIFERA, FOSSIL FRAGMENTS

30% PALE YELLOWISH BROWN, RECRYSTALLIZED LIMESTONE

NUMMULITES SP.

1003 - 1010 CALCARENITE; VERY LIGHT ORANGE

30% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY

GRAIN TYPE: BIOGENIC, CALCILUTITE

90% ALLOCHEMICAL CONSTITUENTS

GRAIN SIZE: COARSE; RANGE: FINE TO VERY COARSE

POOR INDURATION

CEMENT TYPE(S): CALCILUTITE MATRIX

ACCESSORY MINERALS: SPAR- %

OTHER FEATURES: MEDIUM RECRYSTALLIZATION

FOSSILS: MILIOLIDS, BENTHIC FORAMINIFERA, BRYOZOA

ECHINOID

20% NUMMULITES SP., 20% LEPIDOCYCLINA SP., DICTYOCONUS

AMERICANUS, 50% MILIOLID FORAMS WITH CALCILUTITE, SEA

URCHIN DISCS, TOP OF AVON PARK AT 1003.

1010 - 1020 CALCILUTITE; GRAYISH ORANGE

20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY

GRAIN TYPE: BIOGENIC, CALCILUTITE

90% ALLOCHEMICAL CONSTITUENTS

GRAIN SIZE: MEDIUM; RANGE: FINE TO COARSE; POOR INDURATION

CEMENT TYPE(S): CALCILUTITE MATRIX

ACCESSORY MINERALS: SPAR- %

OTHER FEATURES: MEDIUM RECRYSTALLIZATION

FOSSILS: MILIOLIDS, BENTHIC FORAMINIFERA

LEPIDOCYCLINA SP., 25% PALE YELLOWISH BROWN, RECRYSTALLIZED

LIMESTONE, 10% NUMMULITES SP., 60% MILIOLID RICH

CALCILUTITE.

1020 - 1030 LIMESTONE; VERY LIGHT ORANGE

30% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY

GRAIN TYPE: BIOGENIC, CALCILUTITE

90% ALLOCHEMICAL CONSTITUENTS

GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM

UNCONSOLIDATED

ACCESSORY MINERALS: CALCITE- %, SPAR- %

OTHER FEATURES: MEDIUM RECRYSTALLIZATION

FOSSILS: BENTHIC FORAMINIFERA, MILIOLIDS, MOLLUSKS

FOSSIL FRAGMENTS

10% NUMMULITES SP., 30% LEPIDOCYCLINA SP., DICTYOCONUS

COOKEI, 40% PALE YELLOWISH BROWN LIMESTONE, 20% WHITE

MILIOLID RICH LIMESTONE, LITUONELLA FLORIDANA.

1030 - 1040 DOLOSTONE; GRAYISH BROWN

25% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
SUBHEDRAL
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: SPAR- %
OTHER FEATURES: MEDIUM RECRYSTALLIZATION
FOSSILS: BENTHIC FORAMINIFERA, MILIOLIDS
30% WHITE LEPIDOCYCLINA SP., 5% MILIOLID RICH LIMESTONE.

1040 - 1060 DOLOSTONE; VERY LIGHT ORANGE
25% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: SPAR- %
OTHER FEATURES: MEDIUM RECRYSTALLIZATION
FOSSILS: BENTHIC FORAMINIFERA, ECHINOID, BRYOZOA
MILIOLIDS
50% LEPIDOCYCLINA SP, 25% RECRYSTALLIZED DOLOSTONE, 25%
MILIOLID RICH LIMESTONE.

1060 - 1070 LIMESTONE; VERY LIGHT ORANGE
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
90% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: SPAR- %
OTHER FEATURES: MEDIUM RECRYSTALLIZATION
FOSSILS: BENTHIC FORAMINIFERA, MILIOLIDS
25% LEPIDOCYCLINA SP., DICTYOCONUS AMERICANUS, 2% D.
COOKEI, 65% MILIOLID LIMESTONE.

1070 - 1100 LIMESTONE; VERY LIGHT ORANGE
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
90% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: VERY FINE TO VERY COARSE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: SPAR- %
OTHER FEATURES: LOW RECRYSTALLIZATION
FOSSILS: BENTHIC FORAMINIFERA, MILIOLIDS, BRYOZOA
20% LEPIDOCYCLINA SP., 10% PALE YELLOWISH BROWN DOLOSTONE
50% MILIOLID RICH LIMESTONE, 20% NUMMULITES SP.

1100 - 1110 DOLOSTONE; GRAYISH BROWN
25% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
SUBHEDRAL

GRAIN SIZE: VERY FINE; RANGE: FINE TO MEDIUM
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: SPAR- %
OTHER FEATURES: MEDIUM RECRYSTALLIZATION
FOSSILS: BENTHIC FORAMINIFERA, MILIOLIDS, FOSSIL FRAGMENTS
ECHINOID
10% WHITE LEPIDOCYCLINA SP., 65% DOLOSTONE, 25% WHITE
MILIOLID FORAMS, NUMMULITES SP., AND 3 MM DIAMETER SEA
URCHIN.

1110 - 1120 LIMESTONE; VERY LIGHT ORANGE
30% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
90% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: MEDIUM; RANGE: FINE TO VERY COARSE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: SPAR- %
OTHER FEATURES: LOW RECRYSTALLIZATION
FOSSILS: BENTHIC FORAMINIFERA, MILIOLIDS, FOSSIL FRAGMENTS
MOLLUSKS, BRYOZOA
15% PALE YELLOWISH BROWN DOLOSTONE, 10% NUMMULITES SP., 40%
LEPIDOCYCLINA SP., AND 30% MILIOLID FORAMS.

1120 - 1130 DOLOSTONE; GRAYISH BROWN
25% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
SUBHEDRAL
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: SPAR- %
OTHER FEATURES: MEDIUM RECRYSTALLIZATION
FOSSILS: BENTHIC FORAMINIFERA, MILIOLIDS
10% LEPIDOCYCLINA SP., 70% DOLOSTONE, 20% MILIOLID FORAMS
DICTYOCONOUS AMERICANUS.

1130 - 1140 LIMESTONE; VERY LIGHT ORANGE
30% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
90% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: MEDIUM; RANGE: FINE TO VERY COARSE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: SPAR- %
OTHER FEATURES: LOW RECRYSTALLIZATION
FOSSILS: BENTHIC FORAMINIFERA, MILIOLIDS, BRYOZOA
50% LEPIDOCYCLINA SP., 20% DOLOSTONE, 10% NUMMULITES SP.
20% MILIOLID FORAMS.

- 1140 - 1145 DOLOSTONE; GRAYISH BROWN
25% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
SUBHEDRAL
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: SPAR- %
OTHER FEATURES: MEDIUM RECRYSTALLIZATION
FOSSILS: BENTHIC FORAMINIFERA, MILIOLIDS
80% DOLOSTONE, 10% MILIOLIDS, DICTYOCONUS COOKEI, 5%
NUMMULITES SP., AND 5% LEPIDOCYCLINA SP.
- 1145 - 1147 NO SAMPLES
- 1147 - 1150 LIMESTONE; GRAYISH ORANGE PINK
30% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
90% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
UNCONSOLIDATED
ACCESSORY MINERALS: SPAR- %
OTHER FEATURES: MEDIUM RECRYSTALLIZATION
FOSSILS: BENTHIC FORAMINIFERA, MILIOLIDS
20% PALE YELLOWISH BROWN DOLOSTONE, 10% NUMMULITES SP., 50%
LEPIDOCYCLINA SP., AND 20% MILIOLID FORAMS.
- 1150 - 1170 DOLOSTONE; GRAYISH BROWN
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
SUBHEDRAL
GRAIN SIZE: MEDIUM; RANGE: FINE TO COARSE
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: SPAR- %
OTHER FEATURES: MEDIUM RECRYSTALLIZATION
FOSSILS: BENTHIC FORAMINIFERA, MILIOLIDS
80% PALE YELLOWISH BROWN DOLOSTONE, 10% MILIOLID FORAMS, 5%
LEPIDOCYCLINA SP., AND 1% NUMMULITES SP.
- 1170 - 1180 DOLOSTONE; GRAYISH BROWN
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
SUBHEDRAL
GRAIN SIZE: MEDIUM; RANGE: FINE TO COARSE
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: SPAR- %
OTHER FEATURES: MEDIUM RECRYSTALLIZATION
FOSSILS: BENTHIC FORAMINIFERA, MILIOLIDS
55% DOLOSTONE, HALF RECRYSTALLIZED AND HALF MASSIVE, 15%
LEPIDOCYCLINA SP., 15% MILIOLID FORAMS, AND 5% NUMMULITES
SP.

1180 - 1183 DOLOSTONE; GRAYISH BROWN

20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
SUBHEDRAL

GRAIN SIZE: MEDIUM; RANGE: FINE TO COARSE; GOOD INDURATION

CEMENT TYPE(S): CALCILUTITE MATRIX

ACCESSORY MINERALS: SPAR- %

OTHER FEATURES: HIGH RECRYSTALLIZATION

FOSSILS: BENTHIC FORAMINIFERA

60% RECRYSTALLIZED DOLOSTONE, 30% MASSIVE DOLOSTONE, 10%

LEPIDOCYCLINA SP., 2% NUMMULITES SP., DICTYOCONUS

AMERICANUS.

1183 TOTAL DEPTH