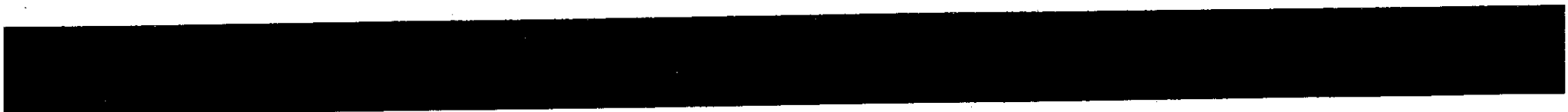


Born+ Stone IW (CA 314)

W-17357

W-17357



LITHOLOGIC WELL LOG PRINTOUT

SOURCE - FGS

WELL NUMBER: W-17357  
TOTAL DEPTH: 3268 FT.  
325 SAMPLES FROM 0 TO 3268 FT.

COUNTY - CHARLOTTE  
LOCATION: T.42S R.23E S.32  
LAT = 26D 46M 20S  
LON = 82D 01M 55S  
ELEVATION: 14 FT

COMPLETION DATE: N/A  
OTHER TYPES OF LOGS AVAILABLE - NONE

OWNER/DRILLER:SSU-BURNT STORE UTIL INJECTION WELL (CH-314)

WORKED BY:WORKED BY: LILI (03/14/96-03/29/96)  
PUNTA GORDA SE 7.5' QUADRANGLE, CHARLOTTE COUNTY  
THE AVON PARK FORMATION PICK IS UNCERTAIN DUE TO DOLOMITIZATION

0. - 50. 090UDSS UNDIFFERENTIATED SAND, CLAY, AND SHELLS  
50. - 990. 122HTRN HAWTHORN GROUP  
50. - 320. 122PCRV PEACE RIVER FM.  
320. - 990. 122ARCA ARCADIA FM.  
990. - 1360. 123SWNN SUWANNEE LIMESTONE  
1360. - 1540. 124OCAL OCALA GROUP  
1540. - 3268. 124AVPK AVON PARK FM.  
1960. - 1970. 000NOSM NO SAMPLES  
2000. - . 000NOSM NO SAMPLES

- 0 - 10 SHELL BED; VERY LIGHT ORANGE  
35% POROSITY: INTERGRANULAR, INTRAGRANULAR  
POSSIBLY HIGH PERMEABILITY; UNCONSOLIDATED  
ACCESSORY MINERALS: QUARTZ SAND- %  
FOSSILS: MOLLUSKS
- 10 - 20 SHELL BED; VERY LIGHT ORANGE TO LIGHT GRAY  
30% POROSITY: INTERGRANULAR, INTRAGRANULAR  
POSSIBLY HIGH PERMEABILITY; UNCONSOLIDATED  
ACCESSORY MINERALS: LIMESTONE-20%, QUARTZ SAND-10%  
PHOSPHATIC SAND- %  
FOSSILS: MOLLUSKS, BRYOZOA  
SHELL BED WITH 20-30% PHOSPHATIC SANDY LIMESTONE FRAGMENTS.
- 20 - 50 PACKSTONE; YELLOWISH GRAY  
25% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY  
GRAIN TYPE: BIOGENIC, SKELETAL  
75% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: VERY COARSE; RANGE: COARSE TO GRAVEL  
POOR INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX  
ACCESSORY MINERALS: QUARTZ SAND-30%, PHOSPHATIC SAND-05%  
FOSSILS: MOLLUSKS, SPICULES, CORAL
- 50 - 70 SAND; YELLOWISH GRAY  
25% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY  
GRAIN SIZE: MEDIUM; RANGE: FINE TO VERY COARSE  
ROUNDNESS: SUB-ANGULAR TO ROUNDED; MEDIUM SPHERICITY  
POOR INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX

ACCESSORY MINERALS: LIMESTONE-30%, PHOSPHATIC SAND-05%  
FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, SHARKS TEETH

- 70 - 100 WACKESTONE; YELLOWISH GRAY  
15% POROSITY: INTERGRANULAR, MOLDIC, LOW PERMEABILITY  
GRAIN TYPE: BIOGENIC, SKELETAL, SKELETAL CAST  
40% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: VERY COARSE; RANGE: COARSE TO GRAVEL  
POOR INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX  
ACCESSORY MINERALS: QUARTZ SAND-10%, PHOSPHATIC SAND-02%  
FOSSILS: MOLLUSKS, FOSSIL MOLDS
- 100 - 110 CLAY; LIGHT OLIVE GRAY  
10% POROSITY: LOW PERMEABILITY; POOR INDURATION  
CEMENT TYPE(S): CLAY MATRIX  
ACCESSORY MINERALS: LIMESTONE-10%, QUARTZ SAND-10%  
CALCILUTITE-10%, PHOSPHATIC SAND- %  
OTHER FEATURES: CALCAREOUS  
FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS
- 110 - 120 SAND; LIGHT OLIVE GRAY  
15% POROSITY: INTERGRANULAR, LOW PERMEABILITY  
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM  
ROUNDNESS: SUB-ANGULAR TO SUB-ROUNDED; MEDIUM SPHERICITY  
POOR INDURATION  
CEMENT TYPE(S): CLAY MATRIX, CALCILUTITE MATRIX  
ACCESSORY MINERALS: CLAY-20%, CALCILUTITE-10%  
PHOSPHATIC SAND-05%  
OTHER FEATURES: CALCAREOUS  
FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS
- 120 - 130 CLAY; LIGHT OLIVE GRAY TO OLIVE GRAY  
10% POROSITY: LOW PERMEABILITY; POOR INDURATION  
CEMENT TYPE(S): CLAY MATRIX, CALCILUTITE MATRIX  
ACCESSORY MINERALS: CALCILUTITE-20%, LIMESTONE-10%  
PHOSPHATIC SAND- %  
OTHER FEATURES: CALCAREOUS  
FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS
- 130 - 160 PACKSTONE; LIGHT OLIVE GRAY  
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY  
GRAIN TYPE: BIOGENIC, SKELETAL  
60% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: VERY COARSE; RANGE: COARSE TO GRAVEL  
POOR INDURATION  
CEMENT TYPE(S): CLAY MATRIX, CALCILUTITE MATRIX  
ACCESSORY MINERALS: QUARTZ SAND-20%, CLAY-10%  
CALCILUTITE-10%, PHOSPHATIC SAND-05%  
FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS
- 160 - 180 CLAY; LIGHT OLIVE GRAY TO OLIVE GRAY  
10% POROSITY: LOW PERMEABILITY; POOR INDURATION  
CEMENT TYPE(S): CLAY MATRIX, CALCILUTITE MATRIX  
ACCESSORY MINERALS: QUARTZ SAND-30%, CALCILUTITE-10%

PHOSPHATIC SAND-05%, LIMESTONE- %  
OTHER FEATURES: CALCAREOUS  
FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS

- 180 - 200 SAND; LIGHT OLIVE GRAY TO OLIVE GRAY  
15% POROSITY: INTERGRANULAR, LOW PERMEABILITY  
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM  
ROUNDNESS: SUB-ANGULAR TO SUB-ROUNDED; MEDIUM SPHERICITY  
POOR INDURATION  
CEMENT TYPE(S): CLAY MATRIX  
ACCESSORY MINERALS: CLAY-30%, LIMESTONE-10%  
PHOSPHATIC SAND-05%, PHOSPHATIC GRAVEL-05%  
OTHER FEATURES: CALCAREOUS  
FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS
- 200 - 220 SANDSTONE; YELLOWISH GRAY TO LIGHT OLIVE GRAY  
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY  
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM  
ROUNDNESS: SUB-ANGULAR TO ROUNDED; MEDIUM SPHERICITY  
MODERATE INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX  
ACCESSORY MINERALS: CALCILUTITE-30%, PHOSPHATIC SAND-15%  
PHOSPHATIC GRAVEL-02%  
OTHER FEATURES: CALCAREOUS  
FOSSILS: MOLLUSKS
- 220 - 250 SILT-SIZE DOLOMITE; YELLOWISH GRAY  
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY  
POOR INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT, CLAY MATRIX  
ACCESSORY MINERALS: QUARTZ SAND-10%, PHOSPHATIC SAND-05%  
CLAY-10%  
FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, FOSSIL MOLDS
- 250 - 270 PACKSTONE; YELLOWISH GRAY  
25% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY  
GRAIN TYPE: BIOGENIC, SKELETAL  
60% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: VERY COARSE; RANGE: COARSE TO GRAVEL  
POOR INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX  
ACCESSORY MINERALS: QUARTZ SAND-10%, PHOSPHATIC SAND-05%  
FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS
- 270 - 280 CLAY; YELLOWISH GRAY TO OLIVE GRAY  
10% POROSITY: INTERGRANULAR, LOW PERMEABILITY  
POOR INDURATION  
CEMENT TYPE(S): CLAY MATRIX  
ACCESSORY MINERALS: SHELL-20%, LIMESTONE-10%  
PHOSPHATIC GRAVEL- %  
FOSSILS: MOLLUSKS, SHARKS TEETH  
LARGE PIECES OF MOLLUSK AND LIMESTONE FRAGMENTS IN A MUD  
MATRIX.
- 280 - 320 WACKESTONE; YELLOWISH GRAY

15% POROSITY: INTERGRANULAR, LOW PERMEABILITY  
GRAIN TYPE: BIOGENIC, SKELETAL  
40% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: VERY COARSE; RANGE: FINE TO GRAVEL  
POOR INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX, CLAY MATRIX  
ACCESSORY MINERALS: QUARTZ SAND-05%, PHOSPHATIC SAND-10%  
CLAY-10%  
FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS

320 - 350 WACKESTONE; YELLOWISH GRAY  
15% POROSITY: INTERGRANULAR, LOW PERMEABILITY  
GRAIN TYPE: BIOGENIC, SKELETAL  
20% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: VERY COARSE; RANGE: FINE TO GRAVEL  
POOR INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX  
ACCESSORY MINERALS: QUARTZ SAND-03%, PHOSPHATIC SAND-02%  
FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS

350 - 370 WACKESTONE; YELLOWISH GRAY  
15% POROSITY: INTERGRANULAR, LOW PERMEABILITY  
GRAIN TYPE: BIOGENIC, SKELETAL  
20% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: COARSE; RANGE: FINE TO GRAVEL; POOR INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX  
ACCESSORY MINERALS: QUARTZ SAND-10%, PHOSPHATIC SAND-05%  
FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS

370 - 420 WACKESTONE; YELLOWISH GRAY  
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY  
GRAIN TYPE: BIOGENIC, SKELETAL  
30% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: FINE; RANGE: FINE TO GRAVEL; POOR INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX  
ACCESSORY MINERALS: QUARTZ SAND-10%, PHOSPHATIC SAND-10%  
FOSSILS: MOLLUSKS, SPICULES

420 - 440 WACKESTONE; YELLOWISH GRAY  
15% POROSITY: INTERGRANULAR, LOW PERMEABILITY  
GRAIN TYPE: BIOGENIC, SKELETAL  
40% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: COARSE; RANGE: FINE TO GRAVEL; POOR INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX  
ACCESSORY MINERALS: QUARTZ SAND-02%, PHOSPHATIC SAND-03%  
FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS

440 - 460 WACKESTONE; YELLOWISH GRAY  
15% POROSITY: INTERGRANULAR, LOW PERMEABILITY  
GRAIN TYPE: BIOGENIC, SKELETAL  
40% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: COARSE; RANGE: FINE TO GRAVEL; POOR INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX, DOLOMITE CEMENT  
ACCESSORY MINERALS: QUARTZ SAND-03%, PHOSPHATIC SAND-03%  
DOLOMITE-10%

FOSSILS: MOLLUSKS, BRYOZOA  
ABOUT 10% OLIVE GRAY DOLOSILT IN THE MATRIX OF THE ROCK.

- 460 - 490 WACKESTONE; YELLOWISH GRAY  
15% POROSITY: INTERGRANULAR, LOW PERMEABILITY  
GRAIN TYPE: BIOGENIC, SKELETAL  
40% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: VERY COARSE; RANGE: FINE TO GRAVEL  
POOR INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX, DOLOMITE CEMENT  
ACCESSORY MINERALS: DOLOMITE-20%, PHOSPHATIC SAND-02%  
FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS
- 490 - 520 PACKSTONE; YELLOWISH GRAY  
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY  
GRAIN TYPE: BIOGENIC, SKELETAL  
60% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: MEDIUM; RANGE: FINE TO GRAVEL; POOR INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX  
ACCESSORY MINERALS: PHOSPHATIC SAND- %  
FOSSILS: MOLLUSKS  
ALLOCHEMS ARE MAINLY FINE-GRAINED PELOIDS.
- 520 - 550 WACKESTONE; YELLOWISH GRAY TO LIGHT GRAY  
10% POROSITY: INTERGRANULAR, LOW PERMEABILITY  
GRAIN TYPE: BIOGENIC, SKELETAL  
20% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: MEDIUM; RANGE: FINE TO VERY COARSE  
POOR INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX  
ACCESSORY MINERALS: PHOSPHATIC SAND- %  
FOSSILS: MOLLUSKS
- 550 - 590 DOLOSTONE; GRAYISH BROWN TO LIGHT GRAY  
10% POROSITY: INTERGRANULAR, PIN POINT VUGS  
LOW PERMEABILITY; 50-90% ALTERED; ANHEDRAL  
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE  
GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT  
ACCESSORY MINERALS: LIMESTONE-20%, PHOSPHATIC SAND-%
- 590 - 600 WACKESTONE; PINKISH GRAY  
15% POROSITY: INTERGRANULAR, LOW PERMEABILITY  
GRAIN TYPE: BIOGENIC, SKELETAL  
40% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: COARSE; RANGE: FINE TO VERY COARSE  
POOR INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX  
ACCESSORY MINERALS: DOLOMITE-10%, PHOSPHATIC SAND- %  
FOSSILS: MOLLUSKS
- 600 - 610 PACKSTONE; VERY LIGHT GRAY  
20% POROSITY: INTERGRANULAR, MOLDIC  
POSSIBLY HIGH PERMEABILITY  
GRAIN TYPE: BIOGENIC, SKELTAL CAST, SKELETAL

70% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: VERY COARSE; RANGE: FINE TO GRAVEL  
MODERATE INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX  
ACCESSORY MINERALS: PHOSPHATIC SAND-02%, SPAR-03%  
QUARTZ SAND- %  
FOSSILS: MOLLUSKS, FOSSIL MOLDS

610 - 620 PACKSTONE; VERY LIGHT GRAY TO YELLOWISH GRAY  
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY  
GRAIN TYPE: BIOGENIC, SKELETAL  
80% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: MEDIUM; RANGE: FINE TO GRAVEL; POOR INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX  
ACCESSORY MINERALS: PHOSPHATIC SAND-02%, SPAR- %  
QUARTZ SAND- %  
FOSSILS: MOLLUSKS

620 - 660 PACKSTONE; YELLOWISH GRAY  
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY  
GRAIN TYPE: BIOGENIC, SKELETAL  
80% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: MEDIUM; RANGE: FINE TO GRAVEL; POOR INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX  
ACCESSORY MINERALS: QUARTZ SAND-10%, PHOSPHATIC SAND-03%  
FOSSILS: MOLLUSKS

660 - 690 MUDSTONE; VERY LIGHT ORANGE  
10% POROSITY: LOW PERMEABILITY  
GRAIN TYPE: SKELTAL CAST  
GRAIN SIZE: GRAVEL; GOOD INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX  
ACCESSORY MINERALS: PHOSPHATIC SAND- %, QUARTZ SAND- %  
FOSSILS: FOSSIL MOLDS

690 - 700 WACKESTONE; VERY LIGHT GRAY  
15% POROSITY: INTERGRANULAR, LOW PERMEABILITY  
GRAIN TYPE: BIOGENIC, SKELTAL CAST  
30% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: VERY COARSE; RANGE: FINE TO GRAVEL  
MODERATE INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX  
ACCESSORY MINERALS: QUARTZ SAND-05%, PHOSPHATIC SAND-02%  
DOLOMITE- %  
FOSSILS: MOLLUSKS, FOSSIL MOLDS

700 - 710 WACKESTONE; VERY LIGHT ORANGE  
15% POROSITY: INTERGRANULAR, LOW PERMEABILITY  
GRAIN TYPE: BIOGENIC, SKELTAL CAST  
30% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: VERY COARSE; RANGE: FINE TO GRAVEL  
MODERATE INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX  
ACCESSORY MINERALS: DOLOMITE-20%, PHOSPHATIC SAND-02%  
QUARTZ SAND-02%

FOSSILS: MOLLUSKS, FOSSIL MOLDS

- 710 - 730 DOLOSTONE; VERY LIGHT ORANGE TO GRAYISH ORANGE  
20% POROSITY: INTERCRYSTALLINE, PIN POINT VUGS  
POSSIBLY HIGH PERMEABILITY; 50-90% ALTERED; ANHEDRAL  
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE  
GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT  
ACCESSORY MINERALS: LIMESTONE-20%, PHOSPHATIC SAND-02%  
QUARTZ SAND- %  
OTHER FEATURES: CALCAREOUS  
FOSSILS: MOLLUSKS, FOSSIL MOLDS
- 730 - 750 PACKSTONE; VERY LIGHT GRAY  
20% POROSITY: INTERGRANULAR, MOLDIC  
POSSIBLY HIGH PERMEABILITY  
GRAIN TYPE: BIOGENIC, SKELTAL CAST  
80% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: VERY COARSE; RANGE: FINE TO GRAVEL  
MODERATE INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX  
ACCESSORY MINERALS: PHOSPHATIC SAND-01%, QUARTZ SAND-01%  
FOSSILS: MOLLUSKS, FOSSIL MOLDS
- 750 - 760 WACKESTONE; YELLOWISH GRAY  
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY  
GRAIN TYPE: BIOGENIC, SKELETAL, SKELTAL CAST  
30% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: COARSE; RANGE: FINE TO GRAVEL  
MODERATE INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX  
ACCESSORY MINERALS: QUARTZ SAND-30%, PHOSPHATIC SAND-05%  
FOSSILS: MOLLUSKS, FOSSIL MOLDS
- 760 - 780 PACKSTONE; YELLOWISH GRAY  
20% POROSITY: INTERGRANULAR, MOLDIC  
POSSIBLY HIGH PERMEABILITY  
GRAIN TYPE: BIOGENIC, SKELTAL CAST  
60% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: VERY COARSE; RANGE: FINE TO GRAVEL  
GOOD INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX  
ACCESSORY MINERALS: QUARTZ SAND-10%, PHOSPHATIC SAND-03%  
FOSSILS: MOLLUSKS, FOSSIL MOLDS
- 780 - 790 DOLOSTONE; LIGHT OLIVE GRAY  
15% POROSITY: INTERGRANULAR, INTERCRYSTALLINE  
LOW PERMEABILITY; 90-100% ALTERED; ANHEDRAL  
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE  
GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT  
ACCESSORY MINERALS: QUARTZ SAND-10%, PHOSPHATIC SAND-05%  
FOSSILS: MOLLUSKS
- 790 - 810 WACKESTONE; PINKISH GRAY



20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY  
GRAIN TYPE: BIOGENIC, SKELTAL CAST  
30% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: VERY COARSE; RANGE: FINE TO GRAVEL  
MODERATE INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX  
ACCESSORY MINERALS: QUARTZ SAND-30%, PHOSPHATIC SAND-05%  
FOSSILS: MOLLUSKS, FOSSIL MOLDS

810 - 830 WACKESTONE; PINKISH GRAY  
15% POROSITY: INTERGRANULAR, LOW PERMEABILITY  
GRAIN TYPE: BIOGENIC, SKELTAL CAST  
30% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: VERY COARSE; RANGE: FINE TO GRAVEL  
MODERATE INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX  
ACCESSORY MINERALS: QUARTZ SAND-10%, PHOSPHATIC SAND-02%  
FOSSILS: MOLLUSKS, FOSSIL MOLDS

830 - 850 PACKSTONE; PINKISH GRAY  
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY  
GRAIN TYPE: BIOGENIC, SKELETAL, SKELTAL CAST  
70% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: COARSE; RANGE: FINE TO GRAVEL  
MODERATE INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX  
ACCESSORY MINERALS: PHOSPHATIC SAND-02%, QUARTZ SAND- %  
FOSSILS: MOLLUSKS, FOSSIL MOLDS

850 - 870 WACKESTONE; YELLOWISH GRAY  
15% POROSITY: INTERGRANULAR, LOW PERMEABILITY  
GRAIN TYPE: BIOGENIC, SKELETAL, SKELTAL CAST  
40% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: COARSE; RANGE: FINE TO GRAVEL  
MODERATE INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX  
ACCESSORY MINERALS: DOLOMITE-20%, PHOSPHATIC SAND-01%  
FOSSILS: MOLLUSKS

870 - 890 DOLOSTONE; YELLOWISH GRAY  
10% POROSITY: LOW PERMEABILITY; 50-90% ALTERED; ANHEDRAL  
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE  
GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT  
ACCESSORY MINERALS: QUARTZ SAND-10%, PHOSPHATIC SAND-05%  
LIMESTONE-10%  
FOSSILS: FOSSIL MOLDS

890 - 910 PACKSTONE; YELLOWISH GRAY  
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY  
GRAIN TYPE: BIOGENIC, SKELETAL  
60% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: COARSE; RANGE: FINE TO GRAVEL; POOR INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX  
ACCESSORY MINERALS: QUARTZ SAND-05%, PHOSPHATIC SAND-03%

CLAY-05%  
FOSSILS: MOLLUSKS

- 910 - 930 DOLOSTONE; VERY LIGHT ORANGE TO GRAYISH ORANGE  
10% POROSITY: LOW PERMEABILITY; 50-90% ALTERED; ANHEDRAL  
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE  
GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT  
ACCESSORY MINERALS: QUARTZ SAND-20%, LIMESTONE-10%  
PHOSPHATIC SAND-03%
- 930 - 960 PACKSTONE; WHITE  
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY  
GRAIN TYPE: BIOGENIC, SKELTAL CAST  
70% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: FINE; RANGE: FINE TO GRAVEL; POOR INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX  
ACCESSORY MINERALS: QUARTZ SAND-20%, PHOSPHATIC SAND- %  
OTHER FEATURES: CHALKY  
FOSSILS: MOLLUSKS, FOSSIL MOLDS
- 960 - 980 PACKSTONE; YELLOWISH GRAY  
25% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY  
GRAIN TYPE: BIOGENIC, SKELETAL  
80% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: FINE; RANGE: FINE TO COARSE; POOR INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX  
ACCESSORY MINERALS: QUARTZ SAND-10%, PHOSPHATIC SAND- %  
OTHER FEATURES: CHALKY  
FOSSILS: MOLLUSKS, ECHINOID, SPICULES, FOSSIL FRAGMENTS
- 980 - 990 WACKESTONE; YELLOWISH GRAY  
15% POROSITY: INTERGRANULAR, LOW PERMEABILITY  
GRAIN TYPE: BIOGENIC, SKELETAL  
40% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: FINE; RANGE: FINE TO VERY COARSE  
POOR INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX  
ACCESSORY MINERALS: QUARTZ SAND-02%  
OTHER FEATURES: CHALKY  
FOSSILS: FOSSIL FRAGMENTS
- 990 - 1030 PACKSTONE; VERY LIGHT ORANGE TO GRAYISH ORANGE  
25% POROSITY: INTERGRANULAR, INTRAGRANULAR  
POSSIBLY HIGH PERMEABILITY  
GRAIN TYPE: BIOGENIC, SKELETAL  
80% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: MEDIUM; RANGE: FINE TO VERY COARSE  
MODERATE INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX  
FOSSILS: MOLLUSKS, BENTHIC FORAMINIFERA, FOSSIL FRAGMENTS
- 1030 - 1040 PACKSTONE; VERY LIGHT ORANGE TO GRAYISH BROWN  
25% POROSITY: INTERGRANULAR, INTRAGRANULAR  
POSSIBLY HIGH PERMEABILITY

GRAIN TYPE: BIOGENIC, SKELETAL  
70% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: COARSE; RANGE: FINE TO VERY COARSE  
MODERATE INDURATION  
CEMENT TYPE(S): SPARRY CALCITE CEMENT  
OTHER FEATURES: LOW RECRYSTALLIZATION  
FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS

1040 - 1070 PACKSTONE; VERY LIGHT ORANGE  
25% POROSITY: INTERGRANULAR, INTRAGRANULAR  
POSSIBLY HIGH PERMEABILITY  
GRAIN TYPE: BIOGENIC, SKELETAL, SKELTAL CAST  
85% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: MEDIUM; RANGE: FINE TO GRAVEL  
MODERATE INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX  
FOSSILS: MOLLUSKS, MILIOLIDS, FOSSIL FRAGMENTS

1070 - 1080 PACKSTONE; PINKISH GRAY TO YELLOWISH GRAY  
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY  
GRAIN TYPE: BIOGENIC, SKELETAL  
60% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: MEDIUM; RANGE: FINE TO VERY COARSE  
MODERATE INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX  
FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS

1080 - 1100 PACKSTONE; PINKISH GRAY TO YELLOWISH GRAY  
25% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY  
GRAIN TYPE: BIOGENIC, SKELETAL  
80% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: MEDIUM; RANGE: FINE TO VERY COARSE  
MODERATE INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX  
FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS

1100 - 1110 PACKSTONE; PINKISH GRAY  
20% POROSITY: INTERGRANULAR, MOLDIC  
POSSIBLY HIGH PERMEABILITY  
GRAIN TYPE: BIOGENIC, SKELETAL, SKELTAL CAST  
70% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: VERY COARSE; RANGE: FINE TO GRAVEL  
MODERATE INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX  
FOSSILS: MOLLUSKS, FOSSIL MOLDS

1110 - 1160 PACKSTONE; PINKISH GRAY  
25% POROSITY: INTERGRANULAR, INTRAGRANULAR  
POSSIBLY HIGH PERMEABILITY  
GRAIN TYPE: BIOGENIC, SKELETAL, SKELTAL CAST  
80% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: MEDIUM; RANGE: FINE TO GRAVEL  
MODERATE INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX  
FOSSILS: MOLLUSKS, MILIOLIDS, FOSSIL MOLDS

ALLOCHEMS ARE MAINLY FINE TO MEDIUM GRAINED PELOIDS AND MILIOLIDS. LIMESTONE FRAGMENTS WITH QUARTZ AND PHOSPHATE SAND ARE CAVINGS.

- 1160 - 1170 WACKESTONE; YELLOWISH GRAY  
15% POROSITY: MOLDIC, LOW PERMEABILITY  
GRAIN TYPE: BIOGENIC, SKELTAL CAST  
40% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: COARSE; RANGE: FINE TO GRAVEL; GOOD INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX  
FOSSILS: MOLLUSKS, FOSSIL MOLDS  
ALLOCHEMS ARE MAINLY COARSE GRAINED MOLLUSK MOLDS  
CONSISTING OF WELL INDURATED MUDSTONE.
- 1170 - 1190 PACKSTONE; PINKISH GRAY  
25% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY  
GRAIN TYPE: BIOGENIC, SKELETAL  
85% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: FINE; RANGE: VERY FINE TO COARSE  
MODERATE INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX  
FOSSILS: MOLLUSKS, MILIOLIDS
- 1190 - 1200 WACKESTONE; PINKISH GRAY  
15% POROSITY: INTERGRANULAR, LOW PERMEABILITY  
GRAIN TYPE: BIOGENIC, SKELETAL  
20% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: COARSE; RANGE: FINE TO VERY COARSE  
MODERATE INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX  
FOSSILS: MOLLUSKS
- 1200 - 1220 GRAINSTONE; PINKISH GRAY  
25% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY  
GRAIN TYPE: BIOGENIC, SKELETAL  
95% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: MEDIUM; RANGE: FINE TO GRAVEL  
MODERATE INDURATION  
CEMENT TYPE(S): SPARRY CALCITE CEMENT  
FOSSILS: MOLLUSKS, MILIOLIDS
- 1220 - 1230 PACKSTONE; VERY LIGHT ORANGE  
20% POROSITY: INTERGRANULAR, MOLDIC  
POSSIBLY HIGH PERMEABILITY  
GRAIN TYPE: BIOGENIC, SKELETAL, SKELTAL CAST  
70% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: COARSE; RANGE: FINE TO GRAVEL  
MODERATE INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX  
FOSSILS: MOLLUSKS, FOSSIL MOLDS
- 1230 - 1300 PACKSTONE; VERY LIGHT ORANGE  
25% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY  
GRAIN TYPE: BIOGENIC, SKELETAL  
80% ALLOCHEMICAL CONSTITUENTS

GRAIN SIZE: MEDIUM; RANGE: FINE TO VERY COARSE  
MODERATE INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX  
FOSSILS: MOLLUSKS, MILIOLIDS

- 1300 - 1330 WACKESTONE; YELLOWISH GRAY  
15% POROSITY: INTERGRANULAR, LOW PERMEABILITY  
GRAIN TYPE: BIOGENIC, SKELETAL  
40% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: MEDIUM; RANGE: FINE TO VERY COARSE  
MODERATE INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX  
OTHER FEATURES: CHALKY  
FOSSILS: MOLLUSKS, MILIOLIDS, SPICULES
- 1330 - 1360 PACKSTONE; VERY LIGHT ORANGE  
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY  
GRAIN TYPE: BIOGENIC, SKELETAL  
70% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: MEDIUM; RANGE: FINE TO VERY COARSE  
MODERATE INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX  
FOSSILS: MOLLUSKS, MILIOLIDS, SPICULES, BRACHIOPOD
- 1360 - 1380 PACKSTONE; VERY LIGHT ORANGE  
25% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY  
GRAIN TYPE: BIOGENIC, SKELETAL  
80% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: FINE; RANGE: VERY FINE TO VERY COARSE  
MODERATE INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX  
FOSSILS: MOLLUSKS, MILIOLIDS  
ALLOCHEMS ARE MAINLY VERY FINE TO FINE GRAINED PELOIDS.  
POSSIBLE TOP OF UPPER EOCENE/OCALA LIMESTONE.
- 1380 - 1410 PACKSTONE; VERY LIGHT ORANGE  
25% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY  
GRAIN TYPE: BIOGENIC, SKELETAL  
85% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: FINE; RANGE: VERY FINE TO GRANULE  
MODERATE INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX  
FOSSILS: BENTHIC FORAMINIFERA, MILIOLIDS  
FIRST APPEARANCE OF NUMMULITES. ALLOCHEMS ARE MAINLY FINE  
TO VERY FINE GRAINED PELOIDS.
- 1410 - 1430 PACKSTONE; VERY LIGHT ORANGE  
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY  
GRAIN TYPE: BIOGENIC, SKELETAL  
80% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: FINE; RANGE: VERY FINE TO GRANULE  
MODERATE INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX  
OTHER FEATURES: LOW RECRYSTALLIZATION  
FOSSILS: BENTHIC FORAMINIFERA

FIRST APPEARANCE OF LEPIDOCYCLINA sp. ALLOCHEMS ARE MAINLY FINE TO VERY FINE GRAINED PELOIDS.

- 1430 - 1470 PACKSTONE; VERY LIGHT ORANGE  
25% POROSITY: INTERGRANULAR, INTRAGRANULAR  
POSSIBLY HIGH PERMEABILITY  
GRAIN TYPE: BIOGENIC, SKELETAL  
80% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: COARSE; RANGE: VERY FINE TO GRANULE  
MODERATE INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX  
FOSSILS: BENTHIC FORAMINIFERA, ECHINOID, MOLLUSKS  
50-60% OF THE ROCK IS COARSE GRAINED FRAGMENTS OF FORAMS  
ECHINOIDS AND MOLLUSKS. GYPSINA globula WAS NOTED.
- 1470 - 1530 PACKSTONE; VERY LIGHT ORANGE  
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY  
GRAIN TYPE: BIOGENIC, SKELETAL  
80% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: FINE; RANGE: VERY FINE TO GRANULE  
MODERATE INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX  
FOSSILS: BENTHIC FORAMINIFERA  
ALLOCHEMS ARE MAINLY FINE TO VERY FINE GRAINED PELOIDS WITH  
20-40% COARSE GRAINED FORAMS.
- 1530 - 1540 DOLOSTONE; GRAYISH BROWN  
20% POROSITY: INTERCRYSTALLINE, PIN POINT VUGS  
POSSIBLY HIGH PERMEABILITY; 90-100% ALTERED; SUBHEDRAL  
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE  
GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT  
FOSSILS: FOSSIL MOLDS
- 1540 - 1570 DOLOSTONE; GRAYISH BROWN  
10% POROSITY: INTERCRYSTALLINE, PIN POINT VUGS  
LOW PERMEABILITY; 90-100% ALTERED; SUBHEDRAL  
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE  
GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT  
FOSSILS: FOSSIL MOLDS
- 1570 - 1580 DOLOSTONE; GRAYISH BROWN TO MODERATE YELLOWISH BROWN  
05% POROSITY: INTERCRYSTALLINE, LOW PERMEABILITY  
90-100% ALTERED; ANHEDRAL  
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE  
GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT
- 1580 - 1590 DOLOSTONE; GRAYISH BROWN TO MODERATE YELLOWISH BROWN  
20% POROSITY: INTERCRYSTALLINE, POSSIBLY HIGH PERMEABILITY  
90-100% ALTERED; SUBHEDRAL  
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE  
GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT

MAIN PART OF THE SAMPLE IS SUCROSIC DOLOSTONE, WHICH IS PROBABLY HIGHLY PERMEABLE.

- 1590 - 1620 DOLOSTONE; GRAYISH BROWN TO DARK YELLOWISH BROWN  
10% POROSITY: INTERCRYSTALLINE, PIN POINT VUGS  
LOW PERMEABILITY; 90-100% ALTERED; ANHEDRAL  
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE  
GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT  
FOSSILS: FOSSIL MOLDS
- 1620 - 1650 DOLOSTONE; MODERATE YELLOWISH BROWN  
15% POROSITY: INTERCRYSTALLINE, PIN POINT VUGS  
LOW PERMEABILITY; 90-100% ALTERED; SUBHEDRAL  
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE  
GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT  
FOSSILS: FOSSIL MOLDS
- 1650 - 1660 PACKSTONE; VERY LIGHT ORANGE TO GRAYISH BROWN  
20% POROSITY: INTERGRANULAR, INTERCRYSTALLINE  
POSSIBLY HIGH PERMEABILITY  
GRAIN TYPE: BIOGENIC, SKELETAL  
70% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: COARSE; RANGE: FINE TO GRAVEL  
MODERATE INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX  
ACCESSORY MINERALS: DOLOMITE-40%  
FOSSILS: BENTHIC FORAMINIFERA, MILIOLIDS  
BIOCLASTIC PACKSTONE MIXED WITH DOLOSTONE. ALLOCHEMS IN THE  
PACKSTONE ARE MAINLY FOSSIL FRAGMENTS (ECHINOIDS  
MILIOLIDS, etc.)
- 1660 - 1690 PACKSTONE; VERY LIGHT ORANGE  
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY  
GRAIN TYPE: BIOGENIC, SKELETAL  
80% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: FINE; RANGE: FINE TO VERY COARSE  
MODERATE INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX  
ACCESSORY MINERALS: DOLOMITE-05%  
FOSSILS: BENTHIC FORAMINIFERA  
ALLOCHEMS ARE MAINLY FINE GRAINED PELOIDS AND MILIOLIDS  
WITH MINOR COARSE GRAINED FRAGMENTS OF FORAMS AND OTHER  
FOSSILS.
- 1690 - 1710 DOLOSTONE; GRAYISH BROWN TO DARK YELLOWISH BROWN  
15% POROSITY: INTERGRANULAR, LOW PERMEABILITY  
50-90% ALTERED; ANHEDRAL  
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE  
GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT, CALCILUTITE MATRIX  
ACCESSORY MINERALS: LIMESTONE-15%  
FOSSILS: BENTHIC FORAMINIFERA, MILIOLIDS

- 1710 - 1770 PACKSTONE; VERY LIGHT ORANGE  
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY  
GRAIN TYPE: BIOGENIC, SKELETAL  
80% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: MEDIUM; RANGE: FINE TO VERY COARSE  
MODERATE INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX  
ACCESSORY MINERALS: DOLOMITE-10%, ORGANICS- %  
FOSSILS: BENTHIC FORAMINIFERA, MILIOLIDS, ECHINOID  
DOLOMITE SPARS ARE SCATTERED IN THE LIMESTONE. TRACE OF  
DARK BROWN ORGANIC MATERIAL.
- 1770 - 1850 WACKESTONE; VERY LIGHT ORANGE  
15% POROSITY: INTERGRANULAR, LOW PERMEABILITY  
GRAIN TYPE: BIOGENIC, SKELETAL  
40% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: FINE; RANGE: VERY FINE TO COARSE  
MODERATE INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX  
ACCESSORY MINERALS: DOLOMITE-05%, ORGANICS- %  
FOSSILS: MILIOLIDS  
ALLOCHEMS ARE MAINLY VERY FINE TO FINE GRAINED PELOIDS AND  
MILIOLIDS.
- 1850 - 1860 DOLOSTONE; MODERATE YELLOWISH BROWN  
10% POROSITY: INTERCRYSTALLINE, LOW PERMEABILITY  
90-100% ALTERED; ANHEDRAL  
GRAIN SIZE: VERY FINE; GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT
- 1860 - 1870 MUDSTONE; VERY LIGHT ORANGE  
POROSITY: LOW PERMEABILITY  
GOOD INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX, DOLOMITE CEMENT  
ACCESSORY MINERALS: DOLOMITE-25%  
OTHER FEATURES: DOLOMITIC
- 1870 - 1910 DOLOSTONE; GRAYISH BROWN  
10% POROSITY: INTERCRYSTALLINE, LOW PERMEABILITY  
50-90% ALTERED; ANHEDRAL  
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE  
GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT, CALCILUTITE MATRIX  
ACCESSORY MINERALS: LIMESTONE-20%  
OTHER FEATURES: CALCAREOUS
- 1910 - 1930 WACKESTONE; VERY LIGHT ORANGE  
10% POROSITY: INTERCRYSTALLINE, LOW PERMEABILITY  
GRAIN TYPE: BIOGENIC; 20% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO COARSE  
MODERATE INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX  
ACCESSORY MINERALS: DOLOMITE-10%, ORGANICS- %  
FOSSILS: MILIOLIDS



- 1930 - 1960 PACKSTONE; VERY LIGHT ORANGE TO GRAYISH BROWN  
15% POROSITY: INTERGRANULAR, LOW PERMEABILITY  
GRAIN TYPE: BIOGENIC; 60% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: FINE; RANGE: VERY FINE TO COARSE  
MODERATE INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX, DOLOMITE CEMENT  
ACCESSORY MINERALS: DOLOMITE-10%, ORGANICS- %  
FOSSILS: MILIOLIDS
- 1960 - 1970 NO SAMPLES
- 1970 - 1980 DOLOSTONE; VERY LIGHT ORANGE TO DARK YELLOWISH BROWN  
15% POROSITY: INTERGRANULAR, LOW PERMEABILITY  
50-90% ALTERED; SUBHEDRAL  
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE  
GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT  
ACCESSORY MINERALS: LIMESTONE-30%  
OTHER FEATURES: CALCAREOUS  
FOSSILS: FOSSIL MOLDS
- 1980 - 2000 DOLOSTONE; DARK YELLOWISH BROWN  
05% POROSITY: INTERCRYSTALLINE, LOW PERMEABILITY  
90-100% ALTERED; ANHEDRAL  
GRAIN SIZE: VERY FINE; GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT
- 2000 - 2010 NO SAMPLES
- 2010 - 2040 WACKESTONE; VERY LIGHT ORANGE TO GRAYISH BROWN  
15% POROSITY: INTERGRANULAR, LOW PERMEABILITY  
GRAIN TYPE: BIOGENIC; 20% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: FINE; RANGE: VERY FINE TO COARSE  
MODERATE INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX  
ACCESSORY MINERALS: DOLOMITE-10%  
FOSSILS: MILIOLIDS
- 2040 - 2050 DOLOSTONE; VERY LIGHT ORANGE TO GRAYISH BROWN  
15% POROSITY: INTERGRANULAR, INTERCRYSTALLINE  
LOW PERMEABILITY; 50-90% ALTERED; SUBHEDRAL  
GRAIN SIZE: FINE; RANGE: VERY FINE TO FINE  
GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT  
ACCESSORY MINERALS: LIMESTONE-30%  
FOSSILS: MILIOLIDS
- 2050 - 2110 WACKESTONE; VERY LIGHT ORANGE TO GRAYISH BROWN  
15% POROSITY: INTERGRANULAR, LOW PERMEABILITY  
GRAIN TYPE: BIOGENIC; 30% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM  
MODERATE INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX  
SEDIMENTARY STRUCTURES: LAMINATED  
ACCESSORY MINERALS: DOLOMITE-10%, ORGANICS- %

FOSSILS: MILIOLIDS

- 2110 - 2170 DOLOSTONE; DARK YELLOWISH BROWN TO MODERATE YELLOWISH BROWN  
15% POROSITY: INTERCRYSTALLINE, PIN POINT VUGS  
LOW PERMEABILITY; 90-100% ALTERED; SUBHEDRAL  
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM  
GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT
- 2170 - 2230 DOLOSTONE; DARK YELLOWISH BROWN TO MODERATE YELLOWISH BROWN  
15% POROSITY: INTERCRYSTALLINE, LOW PERMEABILITY  
90-100% ALTERED; SUBHEDRAL  
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO MEDIUM  
GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT
- 2230 - 2280 DOLOSTONE; LIGHT GRAYISH BROWN  
15% POROSITY: INTERCRYSTALLINE, LOW PERMEABILITY  
90-100% ALTERED; SUBHEDRAL  
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM  
GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT
- 2280 - 2340 DOLOSTONE; LIGHT GRAYISH BROWN TO DARK YELLOWISH BROWN  
10% POROSITY: INTERCRYSTALLINE, LOW PERMEABILITY  
90-100% ALTERED; SUBHEDRAL  
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE  
GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT
- 2340 - 2350 DOLOSTONE; MODERATE YELLOWISH BROWN  
05% POROSITY: INTERCRYSTALLINE, LOW PERMEABILITY  
90-100% ALTERED; ANHEDRAL  
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE  
GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT
- 2350 - 2400 DOLOSTONE; MODERATE YELLOWISH BROWN TO DARK YELLOWISH BROWN  
10% POROSITY: INTERCRYSTALLINE, LOW PERMEABILITY  
90-100% ALTERED; SUBHEDRAL  
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE  
GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT
- 2400 - 2440 DOLOSTONE; MODERATE YELLOWISH BROWN TO DARK YELLOWISH BROWN  
15% POROSITY: INTERCRYSTALLINE, PIN POINT VUGS  
LOW PERMEABILITY; 90-100% ALTERED; SUBHEDRAL  
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM  
GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT  
SOME OF THE VUGS HAVE THE SHAPE OF DICTYOCONUS sp. AT  
2430-2440'.
- 2440 - 2480 DOLOSTONE; DARK YELLOWISH BROWN TO DARK YELLOWISH BROWN  
05% POROSITY: INTERCRYSTALLINE, LOW PERMEABILITY

90-100% ALTERED; ANHEDRAL  
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE  
GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT

- 2480 - 2510 DOLOSTONE; MODERATE YELLOWISH BROWN  
15% POROSITY: INTERCRYSTALLINE, PIN POINT VUGS  
LOW PERMEABILITY; 90-100% ALTERED; SUBHEDRAL  
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE  
GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT  
PART OF THE SAMPLE ARE HIGH POROSITY SUCROSIC DOLOSTONE.
- 2510 - 2580 DOLOSTONE; MODERATE YELLOWISH BROWN TO DARK YELLOWISH BROWN  
05% POROSITY: INTERCRYSTALLINE, LOW PERMEABILITY  
90-100% ALTERED; ANHEDRAL  
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE  
GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT  
ACCESSORY MINERALS: ORGANICS-%  
SMALL PATCHES AND THIN LAYERS OF BLACK ORGANIC MATERIAL AT  
THIS INTERVAL.
- 2580 - 2610 DOLOSTONE; GRAYISH ORANGE TO DARK YELLOWISH BROWN  
15% POROSITY: INTERCRYSTALLINE, LOW PERMEABILITY  
90-100% ALTERED; SUBHEDRAL  
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE  
GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT
- 2610 - 2670 DOLOSTONE; GRAYISH BROWN  
05% POROSITY: INTERCRYSTALLINE, LOW PERMEABILITY  
90-100% ALTERED; ANHEDRAL  
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE  
GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT
- 2670 - 2720 DOLOSTONE; MODERATE YELLOWISH BROWN TO DARK YELLOWISH BROWN  
25% POROSITY: INTERCRYSTALLINE, POSSIBLY HIGH PERMEABILITY  
90-100% ALTERED; EUHEDRAL  
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM  
GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT  
ACCESSORY MINERALS: ORGANICS-05%  
OTHER FEATURES: SUCROSIC  
SMALL PATCHES AND THIN LAYERS OF BLACK ORGANIC MATERIAL ARE  
VERY COMMON IN THIS HIGH POROSITY DOLOSTONE.
- 2720 - 2770 DOLOSTONE; MODERATE YELLOWISH BROWN TO DARK YELLOWISH BROWN  
15% POROSITY: INTERCRYSTALLINE, LOW PERMEABILITY  
90-100% ALTERED; SUBHEDRAL  
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM  
GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT  
ACCESSORY MINERALS: ORGANICS-%

PART OF THE SAMPLE ARE HIGH POROSITY SUCROSIC DOLOSTONE.  
TRACE AMOUNT OF ORGANIC MATERIAL WAS NOTED.

- 2770 - 2810 DOLOSTONE; GRAYISH BROWN TO DARK YELLOWISH BROWN  
05% POROSITY: INTERCRYSTALLINE, LOW PERMEABILITY  
90-100% ALTERED; ANHEDRAL  
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE  
GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT
- 2810 - 2820 DOLOSTONE; GRAYISH ORANGE  
25% POROSITY: INTERCRYSTALLINE, PIN POINT VUGS  
POSSIBLY HIGH PERMEABILITY; 90-100% ALTERED; EUHEDRAL  
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM  
GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT  
OTHER FEATURES: SUCROSIC  
FOSSILS: FOSSIL MOLDS
- 2820 - 2860 DOLOSTONE; DARK YELLOWISH BROWN  
10% POROSITY: INTERCRYSTALLINE, LOW PERMEABILITY  
90-100% ALTERED; ANHEDRAL  
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE  
GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT
- 2860 - 2890 DOLOSTONE; MODERATE YELLOWISH BROWN  
20% POROSITY: INTERCRYSTALLINE, POSSIBLY HIGH PERMEABILITY  
90-100% ALTERED; SUBHEDRAL  
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM  
GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT  
OTHER FEATURES: SUCROSIC
- 2890 - 2950 DOLOSTONE; GRAYISH BROWN TO DARK YELLOWISH BROWN  
15% POROSITY: INTERCRYSTALLINE, LOW PERMEABILITY  
90-100% ALTERED; SUBHEDRAL  
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM  
GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT
- 2950 - 2980 DOLOSTONE; GRAYISH BROWN  
05% POROSITY: INTERCRYSTALLINE, LOW PERMEABILITY  
90-100% ALTERED; ANHEDRAL  
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE  
GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT
- 2980 - 2990 DOLOSTONE; MODERATE YELLOWISH BROWN TO DARK YELLOWISH BROWN  
25% POROSITY: INTERCRYSTALLINE, PIN POINT VUGS  
POSSIBLY HIGH PERMEABILITY; 90-100% ALTERED; EUHEDRAL  
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM  
GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT  
ACCESSORY MINERALS: ORGANICS- %

OTHER FEATURES: SUCROSIC  
FOSSILS: FOSSIL MOLDS

- 2990 - 3050 DOLOSTONE; GRAYISH BROWN TO DARK YELLOWISH BROWN  
10% POROSITY: INTERCRYSTALLINE, LOW PERMEABILITY  
90-100% ALTERED; SUBHEDRAL  
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM  
GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT
- 3050 - 3090 DOLOSTONE; GRAYISH BROWN TO DARK YELLOWISH ORANGE  
10% POROSITY: INTERCRYSTALLINE, LOW PERMEABILITY  
90-100% ALTERED; SUBHEDRAL  
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO MEDIUM  
GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT
- 3090 - 3170 DOLOSTONE; DARK YELLOWISH BROWN TO DARK YELLOWISH BROWN  
05% POROSITY: INTERCRYSTALLINE, LOW PERMEABILITY  
90-100% ALTERED; ANHEDRAL  
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE  
GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT
- 3170 - 3180 DOLOSTONE; MODERATE YELLOWISH BROWN  
15% POROSITY: INTERCRYSTALLINE, LOW PERMEABILITY  
90-100% ALTERED; SUBHEDRAL  
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM  
GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT
- 3180 - 3268 DOLOSTONE; DARK YELLOWISH BROWN TO DARK YELLOWISH BROWN  
10% POROSITY: INTERCRYSTALLINE, LOW PERMEABILITY  
90-100% ALTERED; ANHEDRAL  
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM  
GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT
- 3268 TOTAL DEPTH