

LITHOLOGIC WELL LOG PRINTOUT

SOURCE - FGS

WELL NUMBER: W-18256
TOTAL DEPTH: 2040 FT.
SAMPLES - NONE

COUNTY - MARTIN
LOCATION: T.40S R.37E S.14
LAT = 28D 59M S
LON = 80D 36M 15S

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

ELEVATION: 15 FT

OWNER/DRILLER: SOUTH FLORIDA WATER MANAGEMENT DISTRICT

WORKED BY: DESCRIBED BY EDWARD MARKS MAY 2002
SAMPLES ARE IN FIVE FOOT INTERVALS

0.	-	140.	121PCPC	PLIOCENE-PLEISTOCENE
140.	-	425.	122PCRV	PEACE RIVER FM.
435.	-	780.	122ARCA	ARCADIA FM.
780.	-	895.	124OCAL	OCALA GROUP
895.	-	2040.	124AVPK	AVON PARK FM.
0	-	10	NO SAMPLES	
10	-	20	WACKESTONE; YELLOWISH GRAY TO LIGHT OLIVE GRAY POROSITY: INTERGRANULAR, MOLDIC POSSIBLY HIGH PERMEABILITY GRAIN TYPE: SKELETAL, CALCILUTITE 40% ALLOCHEMICAL CONSTITUENTS GRAIN SIZE: GRANULE; RANGE: MEDIUM TO GRANULE MODERATE INDURATION CEMENT TYPE(S): CALCILUTITE MATRIX, SPARRY CALCITE CEMENT ACCESSORY MINERALS: QUARTZ SAND-15% FOSSILS: MOLLUSKS, BARNACLES	
20	-	35	WACKESTONE; GRAYISH BROWN TO WHITE POROSITY: INTERGRANULAR, MOLDIC POSSIBLY HIGH PERMEABILITY GRAIN TYPE: SKELETAL, CALCILUTITE 40% ALLOCHEMICAL CONSTITUENTS GRAIN SIZE: GRANULE; RANGE: MEDIUM TO GRANULE MODERATE INDURATION CEMENT TYPE(S): CALCILUTITE MATRIX, SPARRY CALCITE CEMENT ACCESSORY MINERALS: QUARTZ SAND-10% FOSSILS: MOLLUSKS, BARNACLES	
35	-	45	PACKSTONE; YELLOWISH GRAY TO WHITE POROSITY: INTERGRANULAR, MOLDIC POSSIBLY HIGH PERMEABILITY GRAIN TYPE: SKELETAL, CALCILUTITE 60% ALLOCHEMICAL CONSTITUENTS GRAIN SIZE: GRANULE; RANGE: MEDIUM TO GRANULE MODERATE INDURATION CEMENT TYPE(S): CALCILUTITE MATRIX, SPARRY CALCITE CEMENT ACCESSORY MINERALS: QUARTZ SAND-10% FOSSILS: MOLLUSKS, BARNACLES	
45	-	50	NO SAMPLES	

50 - 60 SHELL BED; GRAYISH BROWN TO WHITE
POROSITY: INTERGRANULAR, MOLDIC
POSSIBLY HIGH PERMEABILITY; UNCONSOLIDATED
ACCESSORY MINERALS: QUARTZ SAND-03%, LIMESTONE-10%
FOSSILS: MOLLUSKS, BARNACLES, BRYOZOA

60 - 65 NO SAMPLES

65 - 90 SHELL BED; YELLOWISH GRAY TO MODERATE LIGHT GRAY
POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
UNCONSOLIDATED
ACCESSORY MINERALS: QUARTZ SAND-02%, LIMESTONE-10%
FOSSILS: MOLLUSKS, BARNACLES

90 - 115 SHELL BED; YELLOWISH GRAY TO MODERATE LIGHT GRAY
POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
UNCONSOLIDATED
ACCESSORY MINERALS: QUARTZ SAND-05%, LIMESTONE-10%
FOSSILS: MOLLUSKS, BARNACLES

115 - 130 SHELL BED; YELLOWISH GRAY TO MODERATE LIGHT GRAY
POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
UNCONSOLIDATED
ACCESSORY MINERALS: QUARTZ SAND-05%, LIMESTONE-30%
FOSSILS: MOLLUSKS, BARNACLES

130 - 140 PACKSTONE; YELLOWISH GRAY TO WHITE
POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: SKELETAL, CALCILUTITE
70% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: GRANULE; RANGE: MEDIUM TO GRANULE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: QUARTZ SAND-20%
FOSSILS: MOLLUSKS, BARNACLES

140 - 165 SHELL BED; YELLOWISH GRAY TO LIGHT OLIVE GRAY
POROSITY: INTERGRANULAR; POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX, CLAY MATRIX
ACCESSORY MINERALS: QUARTZ SAND-10%, PHOSPHATIC SAND-02%
LIMESTONE-10%, SILT-10%
FOSSILS: MOLLUSKS, BARNACLES

165 - 200 SHELL BED; YELLOWISH GRAY TO LIGHT OLIVE GRAY
POROSITY: INTERGRANULAR; POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX, CLAY MATRIX
ACCESSORY MINERALS: QUARTZ SAND-10%, PHOSPHATIC SAND-02%
LIMESTONE-07%, SILT-20%
FOSSILS: MOLLUSKS, BARNACLES, ECHINOID

200 - 205 NO SAMPLES

205 - 210 SHELL BED; YELLOWISH GRAY TO LIGHT OLIVE GRAY
POROSITY: INTERGRANULAR; POOR INDURATION
CEMENT TYPE(S): CLAY MATRIX, CALCILUTITE MATRIX
ACCESSORY MINERALS: QUARTZ SAND-10%, PHOSPHATIC SAND-02%
LIMESTONE-10%, SILT-20%

FOSSILS: MOLLUSKS, BRYOZOA, BARNACLES

- 210 - 225 SILT-SIZE DOLOMITE; OLIVE GRAY TO YELLOWISH GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY; POOR INDURATION
CEMENT TYPE(S): CLAY MATRIX, CALCILUTITE MATRIX
ACCESSORY MINERALS: QUARTZ SAND-10%, PHOSPHATIC SAND-03%
FOSSILS: MOLLUSKS, BARNACLES
- 225 - 260 SILT-SIZE DOLOMITE; LIGHT OLIVE GRAY TO LIGHT GRAYISH GREEN
POROSITY: INTERGRANULAR, LOW PERMEABILITY; POOR INDURATION
CEMENT TYPE(S): CLAY MATRIX, CALCILUTITE MATRIX
ACCESSORY MINERALS: QUARTZ SAND-10%, PHOSPHATIC SAND-05%
FOSSILS: MOLLUSKS, BARNACLES
- 260 - 280 SILT-SIZE DOLOMITE; LIGHT OLIVE GRAY TO OLIVE GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY; POOR INDURATION
CEMENT TYPE(S): CLAY MATRIX
ACCESSORY MINERALS: QUARTZ SAND-05%, PHOSPHATIC SAND-05%
FOSSILS: MOLLUSKS, BRYOZOA, BARNACLES
PLIO/PLEISTOCENE CAVINGS M
- 280 - 310 SILT-SIZE DOLOMITE; LIGHT OLIVE GRAY TO OLIVE GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY; POOR INDURATION
CEMENT TYPE(S): CLAY MATRIX, DOLOMITE CEMENT
ACCESSORY MINERALS: QUARTZ SAND-10%, PHOSPHATIC SAND-05%
FOSSILS: MOLLUSKS
- 310 - 315 SILT-SIZE DOLOMITE; LIGHT OLIVE GRAY TO YELLOWISH GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY; POOR INDURATION
CEMENT TYPE(S): CLAY MATRIX, DOLOMITE CEMENT
ACCESSORY MINERALS: QUARTZ SAND-05%, PHOSPHATIC SAND-05%
MICA-01%
FOSSILS: MOLLUSKS
- 315 - 340 SILT-SIZE DOLOMITE; LIGHT OLIVE GRAY TO OLIVE GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY; POOR INDURATION
CEMENT TYPE(S): CLAY MATRIX, DOLOMITE CEMENT
ACCESSORY MINERALS: QUARTZ SAND-05%, PHOSPHATIC SAND-03%
FOSSILS: MOLLUSKS, BRYOZOA
- 340 - 350 SILT-SIZE DOLOMITE; OLIVE GRAY TO LIGHT OLIVE GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY; POOR INDURATION
CEMENT TYPE(S): CLAY MATRIX, DOLOMITE CEMENT
ACCESSORY MINERALS: QUARTZ SAND-05%, PHOSPHATIC SAND-02%
FOSSILS: MOLLUSKS, BRYOZOA
- 350 - 365 SILT-SIZE DOLOMITE; OLIVE GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY; POOR INDURATION
CEMENT TYPE(S): CLAY MATRIX, DOLOMITE CEMENT
ACCESSORY MINERALS: QUARTZ SAND-05%, PHOSPHATIC SAND-02%
FOSSILS: MOLLUSKS, BRYOZOA
- 365 - 390 SILT-SIZE DOLOMITE; LIGHT OLIVE GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY; POOR INDURATION
CEMENT TYPE(S): CLAY MATRIX, DOLOMITE CEMENT
ACCESSORY MINERALS: QUARTZ SAND-05%, PHOSPHATIC SAND-03%
FOSSILS: MOLLUSKS, BRYOZOA

- 390 - 415 SILT-SIZE DOLOMITE; LIGHT OLIVE GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY; POOR INDURATION
CEMENT TYPE(S): CLAY MATRIX, DOLOMITE CEMENT
ACCESSORY MINERALS: QUARTZ SAND-05%, PHOSPHATIC SAND-03%
FOSSILS: MOLLUSKS, SHARKS TEETH
- 415 - 425 SILT-SIZE DOLOMITE; LIGHT OLIVE GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY; POOR INDURATION
CEMENT TYPE(S): CLAY MATRIX, DOLOMITE CEMENT
ACCESSORY MINERALS: QUARTZ SAND-02%, PHOSPHATIC SAND-02%
PHOSPHATIC GRAVEL-02%
FOSSILS: BENTHIC FORAMINIFERA, MOLLUSKS
MANY FORAMINIFERA HOWEVER EXTREMELY SMALL IN SIZE BEING
BARELY IDENTIFIYABLE AT 30 POWER.SIZE IS COMPARABLE TO POINT
ON EXPLORATION PICK
- 425 - 435 SILT-SIZE DOLOMITE; LIGHT OLIVE GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY; POOR INDURATION
CEMENT TYPE(S): CLAY MATRIX, DOLOMITE CEMENT
ACCESSORY MINERALS: LIMESTONE-20%, QUARTZ SAND-07%
LIMESTONE IS HIGHLY RECRYSTALIZED RETAINING SOME EVIDENCE
OF FOSSIL CONTENT, UNIDENTIFIED
- 435 - 455 SILT-SIZE DOLOMITE; YELLOWISH GRAY TO LIGHT OLIVE GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY; POOR INDURATION
CEMENT TYPE(S): CLAY MATRIX, DOLOMITE CEMENT
ACCESSORY MINERALS: PHOSPHATIC SAND-05%, QUARTZ SAND-05%
- 455 - 470 SILT-SIZE DOLOMITE; YELLOWISH GRAY TO LIGHT OLIVE GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY; POOR INDURATION
CEMENT TYPE(S): CLAY MATRIX, CALCILUTITE MATRIX
ACCESSORY MINERALS: PHOSPHATIC SAND-05%, QUARTZ SAND-05%
LIMESTONE-20%
- 470 - 475 WACKESTONE; YELLOWISH GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY
GRAIN TYPE: SKELETAL, CALCILUTITE
25% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: GRANULE; RANGE: MEDIUM TO GRANULE
POOR INDURATION
CEMENT TYPE(S): CLAY MATRIX, CALCILUTITE MATRIX
DOLOMITE CEMENT
ACCESSORY MINERALS: SILT-20%, PHOSPHATIC SAND-05%
PHOSPHATIC GRAVEL-03%, QUARTZ SAND-10%
FOSSILS: MOLLUSKS
PHOSPHATE GRAINS ARE BROKEN PIECES OF LARGER PEBBLE SIZED
GRAINS, SILT IS ACTUALLY DOLOSILT
- 475 - 485 WACKESTONE; YELLOWISH GRAY TO LIGHT OLIVE GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY
GRAIN TYPE: SKELETAL, CALCILUTITE
25% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: GRANULE; RANGE: FINE TO GRANULE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX, CLAY MATRIX
ACCESSORY MINERALS: QUARTZ SAND-03%, PHOSPHATIC SAND-07%

SILT-20%
FOSSILS: MOLLUSKS, BRYOZOA, FOSSIL FRAGMENTS

485 - 495 SILT-SIZE DOLOMITE; LIGHT OLIVE GRAY TO YELLOWISH GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY; POOR INDURATION
CEMENT TYPE(S): CLAY MATRIX, CALCILUTITE MATRIX
DOLOMITE CEMENT
ACCESSORY MINERALS: QUARTZ SAND-02%, CLAY-10%
FOSSILS: MOLLUSKS, ECHINOID, FOSSIL FRAGMENTS

495 - 500 WACKESTONE; YELLOWISH GRAY TO OLIVE GRAY
POROSITY: INTERGRANULAR
GRAIN TYPE: SKELETAL, CALCILUTITE
20% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: GRANULE; RANGE: FINE TO GRANULE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX, CLAY MATRIX
ACCESSORY MINERALS: PHOSPHATIC SAND-05%
PHOSPHATIC GRAVEL-02%, CLAY-15%
FOSSILS: MOLLUSKS, BRYOZOA, SHARKS TEETH, ECHINOID
FOSSIL FRAGMENTS

500 - 510 SILT-SIZE DOLOMITE; YELLOWISH GRAY TO LIGHT OLIVE GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY; POOR INDURATION
CEMENT TYPE(S): CLAY MATRIX, CALCILUTITE MATRIX
ACCESSORY MINERALS: PHOSPHATIC SAND-07%
PHOSPHATIC GRAVEL-01%, LIMESTONE-30%
FOSSILS: MOLLUSKS, BRYOZOA, FOSSIL FRAGMENTS

510 - 540 WACKESTONE; YELLOWISH GRAY TO LIGHT OLIVE GRAY
POROSITY: INTERGRANULAR
GRAIN TYPE: SKELETAL, CALCILUTITE
30% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: GRANULE; RANGE: FINE TO GRANULE
POOR INDURATION
CEMENT TYPE(S): CLAY MATRIX, CALCILUTITE MATRIX
ACCESSORY MINERALS: PHOSPHATIC SAND-20%
PHOSPHATIC GRAVEL-02%, QUARTZ SAND-0 %
FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS
GOOD ARCADIA LIMESTONE MBEX

540 - 545 WACKESTONE; YELLOWISH GRAY TO DARK GREENISH GRAY
POROSITY: INTERGRANULAR, PIN POINT VUGS
GRAIN TYPE: SKELETAL, CALCILUTITE
20% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: GRANULE; RANGE: COARSE TO GRANULE
POOR INDURATION
CEMENT TYPE(S): CLAY MATRIX, CALCILUTITE MATRIX
ACCESSORY MINERALS: PHOSPHATIC SAND-03%
PHOSPHATIC GRAVEL-01%, SILT-30%
FOSSILS: MOLLUSKS, BRYOZOA, SHARKS TEETH, ECHINOID
FOSSIL FRAGMENTS

545 - 555 WACKESTONE; YELLOWISH GRAY TO LIGHT OLIVE GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY
GRAIN TYPE: SKELETAL, CALCILUTITE
15% ALLOCHEMICAL CONSTITUENTS

GRAIN SIZE: MEDIUM; RANGE: MEDIUM TO GRANULE
POOR INDURATION
CEMENT TYPE(S): CLAY MATRIX, CALCILUTITE MATRIX
ACCESSORY MINERALS: PHOSPHATIC SAND-20%, QUARTZ SAND-02%
SILT-30%
FOSSILS: MOLLUSKS, BRYOZOA, ECHINOID, FOSSIL FRAGMENTS
MAJORITY OF PHOSPATE GRAINS ARE OF FINE TO VERY FINE GRAIN
SIZE

- 555 - 570 WACKESTONE; YELLOWISH GRAY
GRAIN TYPE: SKELETAL, CALCILUTITE
40% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: GRANULE; RANGE: MEDIUM TO GRANULE
POOR INDURATION
CEMENT TYPE(S): CLAY MATRIX, CALCILUTITE MATRIX
ACCESSORY MINERALS: PHOSPHATIC SAND-10%, QUARTZ SAND-02%
SILT-20%, PHOSPHATIC GRAVEL-01%
FOSSILS: MOLLUSKS, BRYOZOA, ECHINOID, FOSSIL FRAGMENTS
- 570 - 575 PACKSTONE; YELLOWISH GRAY TO DARK GREENISH GRAY
POROSITY: INTERGRANULAR
GRAIN TYPE: SKELETAL, CALCILUTITE
60% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: GRANULE; RANGE: MEDIUM TO GRANULE
POOR INDURATION
CEMENT TYPE(S): CLAY MATRIX, CALCILUTITE MATRIX
ACCESSORY MINERALS: PHOSPHATIC SAND-05%, QUARTZ SAND-02%
SILT-15%, PHOSPHATIC GRAVEL-02%
FOSSILS: MOLLUSKS, BRYOZOA, ECHINOID, SHARKS TEETH
FOSSIL FRAGMENTS
- 575 - 585 SILT-SIZE DOLOMITE; YELLOWISH GRAY TO LIGHT OLIVE GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY; POOR INDURATION
CEMENT TYPE(S): CLAY MATRIX, CALCILUTITE MATRIX
ACCESSORY MINERALS: PHOSPHATIC GRAVEL-02%
PHOSPHATIC SAND-03%, LIMESTONE-30%, QUARTZ SAND-03%
FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS
- 585 - 590 SILT-SIZE DOLOMITE; YELLOWISH GRAY TO LIGHT OLIVE GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY; POOR INDURATION
CEMENT TYPE(S): CLAY MATRIX, CALCILUTITE MATRIX
ACCESSORY MINERALS: PHOSPHATIC GRAVEL-02%
PHOSPHATIC SAND-10%, LIMESTONE-30%, QUARTZ SAND-03%
FOSSILS: MOLLUSKS, SHARKS TEETH, FOSSIL FRAGMENTS
- 590 - 615 SILT-SIZE DOLOMITE; YELLOWISH GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY; POOR INDURATION
CEMENT TYPE(S): CLAY MATRIX, CALCILUTITE MATRIX
ACCESSORY MINERALS: PHOSPHATIC GRAVEL-01%
PHOSPHATIC SAND-07%, LIMESTONE-40%, QUARTZ SAND-03%
FOSSILS: MOLLUSKS, SHARKS TEETH, FOSSIL FRAGMENTS
- 615 - 625 SILT-SIZE DOLOMITE; YELLOWISH GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY; POOR INDURATION
CEMENT TYPE(S): CLAY MATRIX, CALCILUTITE MATRIX
ACCESSORY MINERALS: PHOSPHATIC GRAVEL-02%
PHOSPHATIC SAND-03%, QUARTZ SAND-01%, LIMESTONE-20%

FOSSILS: MOLLUSKS

- 625 - 635 SILT-SIZE DOLOMITE; YELLOWISH GRAY TO LIGHT OLIVE GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY; POOR INDURATION
CEMENT TYPE(S): CLAY MATRIX, CALCILUTITE MATRIX
ACCESSORY MINERALS: PHOSPHATIC GRAVEL-02%
PHOSPHATIC SAND-05%, CLAY-20%, LIMESTONE-05%
FOSSILS: MOLLUSKS, BRYOZOA
- 635 - 640 SILT-SIZE DOLOMITE; LIGHT OLIVE GRAY TO YELLOWISH GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY; POOR INDURATION
CEMENT TYPE(S): CLAY MATRIX, CALCILUTITE MATRIX
ACCESSORY MINERALS: PHOSPHATIC GRAVEL-01%
PHOSPHATIC SAND-03%, QUARTZ SAND-01%, LIMESTONE-05%
FOSSILS: MOLLUSKS, BRYOZOA
- 640 - 655 SILT-SIZE DOLOMITE; YELLOWISH GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY; POOR INDURATION
CEMENT TYPE(S): CLAY MATRIX, CALCILUTITE MATRIX
ACCESSORY MINERALS: PHOSPHATIC GRAVEL-02%
PHOSPHATIC SAND-03%, QUARTZ SAND-02%, LIMESTONE-10%
FOSSILS: MOLLUSKS, ECHINOID
- 655 - 665 SILT-SIZE DOLOMITE; LIGHT OLIVE GRAY TO YELLOWISH GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY; POOR INDURATION
CEMENT TYPE(S): CLAY MATRIX, CALCILUTITE MATRIX
ACCESSORY MINERALS: PHOSPHATIC GRAVEL-01%
PHOSPHATIC SAND-02%, QUARTZ SAND-01%, LIMESTONE-20%
FOSSILS: MOLLUSKS
- 665 - 690 SILT-SIZE DOLOMITE; YELLOWISH GRAY TO LIGHT OLIVE GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY; POOR INDURATION
CEMENT TYPE(S): CLAY MATRIX, CALCILUTITE MATRIX
ACCESSORY MINERALS: PHOSPHATIC GRAVEL-01%
PHOSPHATIC SAND-03%, QUARTZ SAND-01%, LIMESTONE-30%
FOSSILS: MOLLUSKS
- 690 - 705 SILT-SIZE DOLOMITE; YELLOWISH GRAY TO LIGHT OLIVE GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY; POOR INDURATION
CEMENT TYPE(S): CLAY MATRIX, CALCILUTITE MATRIX
ACCESSORY MINERALS: PHOSPHATIC SAND-01%, QUARTZ SAND-01%
LIMESTONE-07%, QUARTZ SAND-01%
FOSSILS: MOLLUSKS, ECHINOID
- 705 - 735 SILT-SIZE DOLOMITE; YELLOWISH GRAY TO LIGHT OLIVE GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY; POOR INDURATION
CEMENT TYPE(S): CLAY MATRIX, CALCILUTITE MATRIX
ACCESSORY MINERALS: PHOSPHATIC GRAVEL-01%
PHOSPHATIC SAND-02%, LIMESTONE-40%, QUARTZ SAND-01%
FOSSILS: ECHINOID, MOLLUSKS
- 735 - 760 SILT-SIZE DOLOMITE; YELLOWISH GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY; POOR INDURATION
CEMENT TYPE(S): CLAY MATRIX, CALCILUTITE MATRIX
ACCESSORY MINERALS: PHOSPHATIC GRAVEL-05%
PHOSPHATIC SAND-07%, LIMESTONE-03%, QUARTZ SAND-02%
FOSSILS: MOLLUSKS, ECHINOID, SHARKS TEETH

- 760 - 765 DOLOSTONE; OLIVE GRAY TO LIGHT OLIVE GRAY
POROSITY: INTERGRANULAR; 50-90% ALTERED; EUHEDRAL
GRAIN SIZE: MEDIUM; RANGE: VERY FINE TO MEDIUM
MODERATE INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
ACCESSORY MINERALS: PHOSPHATIC GRAVEL-15%
PHOSPHATIC SAND-07%, SILT-20%, QUARTZ SAND-02%
OTHER FEATURES: SUCROSIC
FOSSILS: MOLLUSKS, ECHINOID, SHARKS TEETH
- 765 - 780 WACKESTONE; WHITE TO OLIVE GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY
20% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: GRANULE; RANGE: MEDIUM TO GRANULE
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: PHOSPHATIC GRAVEL-02%
PHOSPHATIC SAND-10%, QUARTZ SAND-03%, DOLOMITE- %
FOSSILS: MOLLUSKS, SHARKS TEETH
- 780 - 805 WACKESTONE; YELLOWISH GRAY
POROSITY: INTERGRANULAR, PIN POINT VUGS, LOW PERMEABILITY
GRAIN TYPE: PELLET, SKELETAL
30% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: VERY FINE TO GRANULE
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: QUARTZ SAND-03%
FOSSILS: MOLLUSKS, ECHINOID, CORAL
Limestone grains have poor preservation characteristics
making positive identification and percentage difficult.
- 805 - 815 PACKSTONE; YELLOWISH GRAY
POROSITY: INTERGRANULAR, PIN POINT VUGS
POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: PELLET, SKELETAL, CALCILUTITE
70% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX, SPARRY CALCITE CEMENT
ACCESSORY MINERALS: QUARTZ SAND-03%
OTHER FEATURES: LOW RECRYSTALLIZATION
FOSSILS: BENTHIC FORAMINIFERA, BRYOZOA, MOLLUSKS
Forams lepidocyclina and Nummulities as well as good
packstone denote good ocala lithology.
- 815 - 830 PACKSTONE; YELLOWISH GRAY
POROSITY: INTERGRANULAR, PIN POINT VUGS
POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: PELLET, SKELETAL, CALCILUTITE
70% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: VERY FINE TO GRANULE
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX, SPARRY CALCITE CEMENT
FOSSILS: MOLLUSKS, BENTHIC FORAMINIFERA

830 - 865 PACKSTONE; YELLOWISH GRAY
POROSITY: INTERGRANULAR, PIN POINT VUGS
POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: PELLET, SKELETAL, CALCILUTITE
80% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: VERY FINE TO GRANULE
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX, SPARRY CALCITE CEMENT
FOSSILS: MOLLUSKS, ECHINOID, BENTHIC FORAMINIFERA

865 - 890 PACKSTONE; YELLOWISH GRAY
POROSITY: INTERGRANULAR, PIN POINT VUGS
POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: PELLET, SKELETAL, CALCILUTITE
80% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: VERY FINE TO GRANULE
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX, SPARRY CALCITE CEMENT
FOSSILS: MOLLUSKS, BRYOZOA, ECHINOID, BENTHIC FORAMINIFERA
CONES
First appearance of D.Cookei

890 - 895 NO SAMPLES

895 - 915 WACKESTONE; YELLOWISH GRAY TO WHITE
POROSITY: INTERGRANULAR, PIN POINT VUGS
GRAIN TYPE: PELLET, CALCILUTITE, SKELETAL
40% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY COARSE; RANGE: FINE TO GRANULE
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
FOSSILS: MOLLUSKS, BENTHIC FORAMINIFERA, ECHINOID, CONES

915 - 930 WACKESTONE; YELLOWISH GRAY TO WHITE
POROSITY: INTERGRANULAR, PIN POINT VUGS
GRAIN TYPE: PELLET, CALCILUTITE, SKELETAL
40% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY COARSE; RANGE: FINE TO GRANULE
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
OTHER FEATURES: LOW RECRYSTALLIZATION
FOSSILS: MOLLUSKS, BENTHIC FORAMINIFERA, ECHINOID
OSTRACODS, CONES

930 - 940 PACKSTONE; YELLOWISH GRAY
POROSITY: INTERGRANULAR
GRAIN TYPE: PELLET, SKELETAL, CALCILUTITE
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX, SPARRY CALCITE CEMENT
OTHER FEATURES: LOW RECRYSTALLIZATION
FOSSILS: MOLLUSKS, CONES, ECHINOID
Traditional Avonpark Lithology, many cones, D.Cookie and
D.Americanus.

940 - 970 GRAINSTONE; YELLOWISH GRAY
POROSITY: PIN POINT VUGS, INTERGRANULAR
GRAIN TYPE: PELLET, CALCILUTITE, SKELETAL

90% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: VERY FINE TO GRANULE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX, SPARRY CALCITE CEMENT
OTHER FEATURES: LOW RECRYSTALLIZATION
FOSSILS: MOLLUSKS, CONES, BENTHIC FORAMINIFERA, ECHINOID
CRIBROBULIMINA @ FABULARIA FORAMINIFERA AS WELL AS CONES

- 970 - 975 PACKSTONE; YELLOWISH GRAY
 POROSITY: PIN POINT VUGS, INTERGRANULAR
 GRAIN TYPE: PELLET, CALCILUTITE, SKELETAL
 80% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: FINE; RANGE: VERY FINE TO GRANULE
 POOR INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX, SPARRY CALCITE CEMENT
 DOLOMITE CEMENT
 ACCESSORY MINERALS: DOLOMITE-20%
- 975 - 990 DOLOSTONE; GRAYISH BROWN TO YELLOWISH GRAY
 POROSITY: PIN POINT VUGS, INTERGRANULAR; 50-90% ALTERED
 SUBHEDRAL
 MODERATE INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX, SPARRY CALCITE CEMENT
 DOLOMITE CEMENT
 ACCESSORY MINERALS: LIMESTONE-30%
- 990 - 1010 DOLOSTONE; GRAYISH BROWN TO YELLOWISH GRAY
 POROSITY: PIN POINT VUGS, INTERGRANULAR; 50-90% ALTERED
 SUBHEDRAL
 MODERATE INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX, SPARRY CALCITE CEMENT
 DOLOMITE CEMENT
 ACCESSORY MINERALS: LIMESTONE-30%
- 1010 - 1025 DOLOSTONE; GRAYISH BROWN TO YELLOWISH GRAY
 POROSITY: PIN POINT VUGS, INTERGRANULAR; 50-90% ALTERED
 SUBHEDRAL
 MODERATE INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX, SPARRY CALCITE CEMENT
 DOLOMITE CEMENT
 ACCESSORY MINERALS: LIMESTONE-20%
- 1025 - 1050 PACKSTONE; YELLOWISH GRAY
 POROSITY: PIN POINT VUGS, INTERGRANULAR
 GRAIN TYPE: PELLET, SKELETAL, CALCILUTITE
 50% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: FINE; RANGE: VERY FINE TO GRANULE
 POOR INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX, SPARRY CALCITE CEMENT
 OTHER FEATURES: LOW RECRYSTALLIZATION
 FOSSILS: MOLLUSKS, CONES, ECHINOID
- 1050 - 1075 PACKSTONE; YELLOWISH GRAY
 POROSITY: PIN POINT VUGS, INTERGRANULAR
 GRAIN TYPE: PELLET, SKELETAL, CALCILUTITE
 70% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: FINE; RANGE: VERY FINE TO GRANULE

POOR INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX, SPARRY CALCITE CEMENT
 OTHER FEATURES: LOW RECRYSTALLIZATION
 FOSSILS: ORGANICS, MOLLUSKS, CONES, ECHINOID

1075 - 1105 PACKSTONE; YELLOWISH GRAY
 POROSITY: PIN POINT VUGS, INTERGRANULAR
 GRAIN TYPE: PELLET, SKELETAL, CALCILUTITE
 80% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: FINE; RANGE: VERY FINE TO GRANULE
 POOR INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX, SPARRY CALCITE CEMENT
 OTHER FEATURES: LOW RECRYSTALLIZATION
 FOSSILS: CONES, MOLLUSKS, ECHINOID

1105 - 1115 PACKSTONE; YELLOWISH GRAY
 POROSITY: PIN POINT VUGS, INTERGRANULAR
 GRAIN TYPE: PELLET, SKELETAL, CALCILUTITE
 80% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: FINE; RANGE: VERY FINE TO GRANULE
 POOR INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX, SPARRY CALCITE CEMENT
 OTHER FEATURES: LOW RECRYSTALLIZATION
 FOSSILS: CONES, MOLLUSKS

1115 - 1116 NO SAMPLES

1116 - 1186 INTERVAL CONSISTS ALMOST ENTIRELY OF PLIO/PLEISTOCENE
 CAVINGS VOIDING ANY VALUE TO SAMPLE

1186 - 1196 PACKSTONE; YELLOWISH GRAY
 POROSITY: INTERGRANULAR, PIN POINT VUGS
 GRAIN TYPE: PELLET, SKELETAL, CALCILUTITE
 60% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: FINE; RANGE: VERY FINE TO GRANULE
 POOR INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
 OTHER FEATURES: LOW RECRYSTALLIZATION
 FOSSILS: CONES, BENTHIC FORAMINIFERA
 CAVINGS ARE ABUNDANT INCLUDING PLIO/PLEISTOCENE, PEACE
 RIVER, @ ARCADIA BEING OBVIOUS UPON INITIAL INSPECTION

1196 - 1216 PACKSTONE; YELLOWISH GRAY
 POROSITY: INTERGRANULAR, PIN POINT VUGS
 GRAIN TYPE: PELLET, SKELETAL, CALCILUTITE
 70% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: FINE; RANGE: VERY FINE TO GRANULE
 POOR INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
 OTHER FEATURES: LOW RECRYSTALLIZATION
 FOSSILS: CONES, BENTHIC FORAMINIFERA

1216 - 1231 PACKSTONE; YELLOWISH GRAY
 POROSITY: INTERGRANULAR, PIN POINT VUGS
 GRAIN TYPE: PELLET, SKELETAL, CALCILUTITE
 70% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: FINE; RANGE: VERY FINE TO GRANULE

POOR INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
 OTHER FEATURES: LOW RECRYSTALLIZATION
 FOSSILS: CONES, BENTHIC FORAMINIFERA

1231 - 1253 PACKSTONE; YELLOWISH GRAY
 POROSITY: INTERGRANULAR, PIN POINT VUGS
 GRAIN TYPE: PELLET, SKELETAL, CALCILUTITE
 60% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: FINE; RANGE: VERY FINE TO GRANULE
 POOR INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
 OTHER FEATURES: LOW RECRYSTALLIZATION
 FOSSILS: CONES, BENTHIC FORAMINIFERA, ECHINOID

1253 - 1283 PACKSTONE; YELLOWISH GRAY
 POROSITY: INTERGRANULAR, PIN POINT VUGS
 GRAIN TYPE: PELLET, SKELETAL, CALCILUTITE
 80% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: FINE; RANGE: VERY FINE TO GRANULE
 POOR INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
 OTHER FEATURES: LOW RECRYSTALLIZATION
 FOSSILS: CONES, BENTHIC FORAMINIFERA, ECHINOID

1283 - 1298 PACKSTONE; YELLOWISH GRAY
 POROSITY: INTERGRANULAR, PIN POINT VUGS
 GRAIN TYPE: PELLET, SKELETAL, CALCILUTITE
 80% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: FINE; RANGE: VERY FINE TO GRANULE
 POOR INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
 OTHER FEATURES: LOW RECRYSTALLIZATION
 FOSSILS: CONES, BENTHIC FORAMINIFERA, ECHINOID

1298 - 1332 GRAINSTONE; YELLOWISH GRAY
 POROSITY: INTERGRANULAR, PIN POINT VUGS
 GRAIN TYPE: PELLET, SKELETAL, CALCILUTITE
 90% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: FINE; RANGE: VERY FINE TO GRANULE
 POOR INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
 OTHER FEATURES: LOW RECRYSTALLIZATION
 FOSSILS: CONES, BENTHIC FORAMINIFERA, ECHINOID

1332 - 1357 AS ABOVE

1357 - 1395 PACKSTONE;
 GRAIN TYPE: PELLET, SKELETAL, CALCILUTITE
 80% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: FINE; RANGE: VERY FINE TO GRANULE
 POOR INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
 OTHER FEATURES: LOW RECRYSTALLIZATION
 FOSSILS: CONES, ECHINOID

1395 - 1425 GRAINSTONE; YELLOWISH GRAY

POROSITY: INTERGRANULAR, PIN POINT VUGS
 GRAIN TYPE: PELLET, SKELETAL, CALCILUTITE
 90% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: FINE; RANGE: VERY FINE TO GRANULE
 POOR INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
 OTHER FEATURES: LOW RECRYSTALLIZATION
 FOSSILS: CONES, ECHINOID

1425 - 1430 PACKSTONE; YELLOWISH GRAY
 POROSITY: INTERGRANULAR, PIN POINT VUGS
 GRAIN TYPE: CALCILUTITE, PELLET, SKELETAL
 80% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: FINE; RANGE: VERY FINE TO GRANULE
 POOR INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
 OTHER FEATURES: LOW RECRYSTALLIZATION
 FOSSILS: CONES, ECHINOID
 PLIOPLEISTOCENE CAVINGS ABUNDANT ALONG WITH MANY OTHER
 LITHOLOGIES EVIDENT.

1430 - 1450 GRAINSTONE; YELLOWISH GRAY
 POROSITY: INTERGRANULAR, PIN POINT VUGS
 GRAIN TYPE: CALCILUTITE, PELLET, SKELETAL
 90% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: FINE; RANGE: VERY FINE TO GRANULE
 POOR INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
 FOSSILS: CONES

1450 - 1470 GRAINSTONE; YELLOWISH GRAY
 POROSITY: INTERGRANULAR, PIN POINT VUGS
 GRAIN TYPE: CALCILUTITE, SKELETAL, PELLET
 90% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: FINE; RANGE: VERY FINE TO GRANULE
 POOR INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
 FOSSILS: CONES

1470 - 1480 AS ABOVE

1480 - 1485 AS ABOVE
 SAMPLE IS CONTAMINATED WITH SILT AND SAND AND SOME DRILLING
 MUD(BENTONITE).

1485 - 1490 GRAINSTONE; YELLOWISH GRAY
 POROSITY: INTERGRANULAR, PIN POINT VUGS
 GRAIN TYPE: CALCILUTITE, SKELETAL, PELLET
 90% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: FINE; RANGE: VERY FINE TO GRANULE
 POOR INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
 FOSSILS: CONES, ECHINOID
 DRILLING BENTONITE MUD.

1490 - 1500 GRAINSTONE; YELLOWISH GRAY
 POROSITY: INTERGRANULAR, PIN POINT VUGS

GRAIN TYPE: CALCILUTITE, SKELETAL, PELLET
90% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: VERY FINE TO GRANULE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
SEDIMENTARY STRUCTURES: BEDDED
ACCESSORY MINERALS: ORGANICS-0 %
OTHER FEATURES: LOW RECRYSTALLIZATION, SUCROSIC
FOSSILS: CONES, ECHINOID, MOLLUSKS
FIRST APPEARANCE OF GOOD DOLOMITE IN AVON PARK COMPLETE
DOLOMITE RECRYSTALLIZATION WITH EUHEDRAL SUCROSIS FINE SIZE.

1500 - 1515 DOLOSTONE; GRAYISH BROWN
POROSITY: INTERGRANULAR, PIN POINT VUGS; 90-100% ALTERED
EUHEDRAL
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
OTHER FEATURES: SUCROSIC

1515 - 1525 DOLOSTONE; GRAYISH BROWN TO VERY LIGHT ORANGE
POROSITY: INTERGRANULAR, PIN POINT VUGS; 90-100% ALTERED
EUHEDRAL
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
OTHER FEATURES: SUCROSIC

1525 - 1550 DOLOSTONE; GRAYISH BROWN
POROSITY: INTERGRANULAR, PIN POINT VUGS; 90-100% ALTERED
EUHEDRAL
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
OTHER FEATURES: SUCROSIC

1550 - 1555 DOLOSTONE; GRAYISH BROWN
POROSITY: INTERGRANULAR, PIN POINT VUGS; 90-100% ALTERED
EUHEDRAL
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
OTHER FEATURES: SUCROSIC
YOUNGER AVON PARK LIMESTONE CAVINGS.

1555 - 1560 DOLOSTONE; GRAYISH BROWN
POROSITY: INTERGRANULAR, PIN POINT VUGS; 90-100% ALTERED
EUHEDRAL
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
OTHER FEATURES: SUCROSIC

1560 - 1565 DOLOSTONE; GRAYISH BROWN TO VERY LIGHT ORANGE
POROSITY: INTERGRANULAR, PIN POINT VUGS; 90-100% ALTERED
EUHEDRAL
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM

GOOD INDURATION
 CEMENT TYPE(S): DOLOMITE CEMENT
 OTHER FEATURES: SUCROSIC

1565 - 1580 DOLOSTONE; GRAYISH BROWN
 POROSITY: INTERGRANULAR, PIN POINT VUGS; 90-100% ALTERED
 EUHEDRAL
 GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
 GOOD INDURATION
 CEMENT TYPE(S): DOLOMITE CEMENT
 OTHER FEATURES: SUCROSIC

1580 - 1585 PACKSTONE; YELLOWISH GRAY TO DARK YELLOWISH BROWN
 POROSITY: INTERGRANULAR, PIN POINT VUGS
 GRAIN TYPE: PELLET, SKELETAL, CALCILUTITE
 80% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: FINE; RANGE: VERY FINE TO GRANULE
 POOR INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX, CLAY MATRIX
 FOSSILS: CONES, BENTHIC FORAMINIFERA, ECHINOID
 SAMPLE IS POSSIBLY SHALLOWER AVON PARK LIMESTONE CAVINGS
 WITH SOME OCALA CAVINGS AS WELL AS HAVING LEPIDOCYCLINA AND
 NUMULITIES FORAMINIFERA.

1585 - 1590 PACKSTONE; YELLOWISH GRAY TO DARK YELLOWISH BROWN
 POROSITY: INTERGRANULAR, PIN POINT VUGS
 GRAIN TYPE: PELLET, SKELETAL, CALCILUTITE
 80% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: FINE; RANGE: VERY FINE TO GRANULE
 POOR INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX, CLAY MATRIX
 ACCESSORY MINERALS: DOLOMITE-15%

1590 - 1600 DOLOSTONE; GRAYISH BROWN
 POROSITY: INTERGRANULAR, PIN POINT VUGS
 POSSIBLY HIGH PERMEABILITY; 90-100% ALTERED; SUBHEDRAL
 GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE
 GOOD INDURATION
 CEMENT TYPE(S): DOLOMITE CEMENT
 OTHER FEATURES: SUCROSIC

1600 - 1605 DOLOSTONE; DARK YELLOWISH BROWN TO DARK YELLOWISH BROWN
 POROSITY: INTERGRANULAR, PIN POINT VUGS
 POSSIBLY HIGH PERMEABILITY; 90-100% ALTERED; SUBHEDRAL
 GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE
 GOOD INDURATION
 CEMENT TYPE(S): DOLOMITE CEMENT
 OTHER FEATURES: SUCROSIC

1605 - 1630 DOLOSTONE; GRAYISH BROWN
 POROSITY: INTERGRANULAR, PIN POINT VUGS; 90-100% ALTERED
 SUBHEDRAL
 GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE
 GOOD INDURATION
 CEMENT TYPE(S): DOLOMITE CEMENT
 OTHER FEATURES: SUCROSIC

1630 - 1635 NO SAMPLES

1635 - 1640 DOLOSTONE; GRAYISH BROWN
POROSITY: INTERGRANULAR, PIN POINT VUGS; 90-100% ALTERED
SUBHEDRAL
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
OTHER FEATURES: SUCROSIC

1640 - 1645 DOLOSTONE; DARK YELLOWISH BROWN TO GRAYISH BROWN
POROSITY: INTERGRANULAR, PIN POINT VUGS
POSSIBLY HIGH PERMEABILITY; 90-100% ALTERED; SUBHEDRAL
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
OTHER FEATURES: SUCROSIC

1645 - 1665 DOLOSTONE; GRAYISH BROWN
POROSITY: INTERGRANULAR, PIN POINT VUGS; 90-100% ALTERED
SUBHEDRAL
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
OTHER FEATURES: SUCROSIC

1665 - 1670 PACKSTONE; YELLOWISH GRAY TO MODERATE YELLOWISH BROWN
POROSITY: INTERGRANULAR
GRAIN TYPE: PELLET, SKELETAL, CALCILUTITE
60% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: VERY FINE TO GRANULE
CEMENT TYPE(S): PHOSPHATE CEMENT, CALCILUTITE MATRIX
DOLOMITE CEMENT
ACCESSORY MINERALS: DOLOMITE-30%
OTHER FEATURES: SUCROSIC
SAMPLE IS A PACKSTONE WITH SUCROSIC DOLOMITE GRAINS EVENLY
DISPERSED THROUGHOUT MATRIX.

1670 - 1680 DOLOSTONE; GRAYISH BROWN
POROSITY: INTERGRANULAR, PIN POINT VUGS; 90-100% ALTERED
SUBHEDRAL
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
OTHER FEATURES: SUCROSIC

1680 - 1685 WACKESTONE; YELLOWISH GRAY TO DARK YELLOWISH BROWN
POROSITY: INTERGRANULAR, LOW PERMEABILITY
GRAIN TYPE: PELLET, CALCILUTITE
40% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: VERY FINE TO GRANULE
ACCESSORY MINERALS: DOLOMITE-40%
OTHER FEATURES: SUCROSIC

1685 - 1690 DOLOSTONE; GRAYISH BROWN
POROSITY: INTERGRANULAR, PIN POINT VUGS; 90-100% ALTERED
SUBHEDRAL

GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE
 GOOD INDURATION
 CEMENT TYPE(S): DOLOMITE CEMENT
 OTHER FEATURES: SUCROSIC

1690 - 1700 DOLOSTONE; YELLOWISH GRAY TO MODERATE YELLOWISH BROWN
 POROSITY: INTERGRANULAR; 50-90% ALTERED; EUHEDRAL
 GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
 MODERATE INDURATION
 CEMENT TYPE(S): DOLOMITE CEMENT, CALCILUTITE MATRIX
 ACCESSORY MINERALS: LIMESTONE-40%
 OTHER FEATURES: SUCROSIC
 FOSSILS: CONES

1700 - 1705 DOLOSTONE; GRAYISH BROWN TO DARK YELLOWISH BROWN
 POROSITY: INTERGRANULAR, PIN POINT VUGS; 90-100% ALTERED
 SUBHEDRAL
 GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE
 GOOD INDURATION
 CEMENT TYPE(S): DOLOMITE CEMENT

1705 - 1720 PACKSTONE; YELLOWISH GRAY
 POROSITY: INTERGRANULAR, PIN POINT VUGS
 GRAIN TYPE: PELLET, SKELETAL, CALCILUTITE
 80% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
 ACCESSORY MINERALS: DOLOMITE-15%
 FOSSILS: CONES

1720 - 1740 PACKSTONE; YELLOWISH GRAY
 POROSITY: INTERGRANULAR, PIN POINT VUGS
 GRAIN TYPE: PELLET, SKELETAL, CALCILUTITE
 80% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
 FOSSILS: CONES

1740 - 1765 PACKSTONE; GRAYISH BROWN TO DARK YELLOWISH BROWN
 POROSITY: INTERGRANULAR, PIN POINT VUGS
 GRAIN TYPE: PELLET, SKELETAL, CALCILUTITE
 80% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
 ACCESSORY MINERALS: DOLOMITE-30%
 FOSSILS: CONES

1765 - 1780 PACKSTONE; YELLOWISH GRAY TO DARK YELLOWISH BROWN
 POROSITY: INTERGRANULAR, PIN POINT VUGS
 GRAIN TYPE: PELLET, SKELETAL, CALCILUTITE
 70% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
 ACCESSORY MINERALS: DOLOMITE-10%

1780 - 1785 DOLOSTONE; MODERATE YELLOWISH BROWN
 POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
 90-100% ALTERED; EUHEDRAL
 GRAIN SIZE: MEDIUM; RANGE: FINE TO COARSE
 MODERATE INDURATION
 CEMENT TYPE(S): DOLOMITE CEMENT

OTHER FEATURES: SUCROSIC
EUBHEDRAL AND VERY SUCROSIC SAMPLE POSSIBLY YIELDING HIGH
POROSITY.

- 1785 - 1800 DOLOSTONE; GRAYISH BROWN TO DARK YELLOWISH BROWN
POROSITY: INTERGRANULAR, LOW PERMEABILITY; 90-100% ALTERED
SUBHEDRAL
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
OTHER FEATURES: SUCROSIC
- 1800 - 1815 AS ABOVE
- 1815 - 1820 DOLOSTONE; MODERATE YELLOWISH BROWN TO MODERATE LIGHT GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY; 90-100% ALTERED
SUBHEDRAL
GRAIN SIZE: MICROCRYSTALLINE
RANGE: CRYPTOCRYSTALLINE TO FINE; GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
OTHER FEATURES: SUCROSIC
- 1820 - 1825 DOLOSTONE; GRAYISH BROWN TO DARK YELLOWISH BROWN
POROSITY: INTERGRANULAR, LOW PERMEABILITY; 90-100% ALTERED
SUBHEDRAL
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO MEDIUM
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
OTHER FEATURES: SUCROSIC
- 1825 - 1835 DOLOSTONE; GRAYISH BROWN
POROSITY: INTERGRANULAR, LOW PERMEABILITY; 90-100% ALTERED
SUBHEDRAL
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO MEDIUM
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
OTHER FEATURES: SUCROSIC
- 1835 - 1840 DOLOSTONE; GRAYISH BROWN
POROSITY: INTERGRANULAR, PIN POINT VUGS
POSSIBLY HIGH PERMEABILITY; 90-100% ALTERED; SUBHEDRAL
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO MEDIUM
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
OTHER FEATURES: SUCROSIC
- 1840 - 1855 DOLOSTONE; GRAYISH BROWN
POROSITY: INTERGRANULAR, PIN POINT VUGS; 90-100% ALTERED
SUBHEDRAL
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO MEDIUM
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
OTHER FEATURES: SUCROSIC
- 1855 - 1870 DOLOSTONE; GRAYISH BROWN TO DARK YELLOWISH BROWN
POROSITY: INTERGRANULAR, PIN POINT VUGS; 90-100% ALTERED
SUBHEDRAL

GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO MEDIUM
 GOOD INDURATION
 CEMENT TYPE(S): DOLOMITE CEMENT
 OTHER FEATURES: SUCROSIC

1870 - 1875 DOLOSTONE; VERY LIGHT ORANGE TO GRAYISH BROWN
 POROSITY: INTERGRANULAR, LOW PERMEABILITY; 50-90% ALTERED
 SUBHEDRAL
 GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE
 GOOD INDURATION
 CEMENT TYPE(S): DOLOMITE CEMENT
 OTHER FEATURES: SUCROSIC

1875 - 1880 DOLOSTONE; GRAYISH BROWN
 POROSITY: INTERGRANULAR, PIN POINT VUGS; 50-90% ALTERED
 SUBHEDRAL
 GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE
 GOOD INDURATION
 CEMENT TYPE(S): DOLOMITE CEMENT
 OTHER FEATURES: SUCROSIC

1880 - 1885 DOLOSTONE; YELLOWISH GRAY TO WHITE
 POROSITY: INTERGRANULAR; 50-90% ALTERED; ANHEDRAL
 GRAIN SIZE: MEDIUM; RANGE: MICROCRYSTALLINE TO VERY FINE
 GOOD INDURATION
 CEMENT TYPE(S): DOLOMITE CEMENT

1885 - 1890 DOLOSTONE; GRAYISH BROWN TO VERY LIGHT ORANGE
 POROSITY: INTERGRANULAR, PIN POINT VUGS; 50-90% ALTERED
 ANHEDRAL
 GRAIN SIZE: MEDIUM; RANGE: MICROCRYSTALLINE TO VERY FINE
 GOOD INDURATION
 CEMENT TYPE(S): DOLOMITE CEMENT

1890 - 1915 DOLOSTONE; YELLOWISH GRAY
 POROSITY: INTERGRANULAR, PIN POINT VUGS; 10-50% ALTERED
 ANHEDRAL
 GRAIN SIZE: MEDIUM; RANGE: MICROCRYSTALLINE TO MEDIUM
 MODERATE INDURATION
 CEMENT TYPE(S): DOLOMITE CEMENT, CALCILUTITE MATRIX
 SAMPLE APPEARS TO HAVE DIFFERENTIAL DOLOMITE ALTERATION
 WITH LIMESTONE APPEARING TO RANGE FROM LOW TO MEDIUM
 ALTERATION.

1915 - 1940 DOLOSTONE; YELLOWISH GRAY
 POROSITY: INTERGRANULAR, LOW PERMEABILITY; 50-90% ALTERED
 SUBHEDRAL
 GRAIN SIZE: MICROCRYSTALLINE
 RANGE: CRYPTOCRYSTALLINE TO VERY FINE; GOOD INDURATION
 CEMENT TYPE(S): DOLOMITE CEMENT, CALCILUTITE MATRIX
 OTHER FEATURES: SUCROSIC

1940 - 1955 DOLOSTONE; DARK YELLOWISH ORANGE TO YELLOWISH GRAY
 POROSITY: INTERGRANULAR, PIN POINT VUGS
 POSSIBLY HIGH PERMEABILITY; 50-90% ALTERED; ANHEDRAL
 GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE
 GOOD INDURATION

CEMENT TYPE(S): DOLOMITE CEMENT, CALCILUTITE MATRIX

1955 - 1965 DOLOSTONE; VERY LIGHT ORANGE
POROSITY: INTERGRANULAR, LOW PERMEABILITY; 50-90% ALTERED
ANHEDRAL
GRAIN SIZE: MICROCRYSTALLINE
RANGE: CRYPTOCRYSTALLINE TO VERY FINE; GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT, CALCILUTITE MATRIX

1965 - 1975 DOLOSTONE; GRAYISH BROWN TO VERY LIGHT ORANGE
POROSITY: INTERGRANULAR; 90-100% ALTERED; ANHEDRAL
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT

1975 - 1985 DOLOSTONE; GRAYISH BROWN TO VERY LIGHT ORANGE
POROSITY: INTERGRANULAR, PIN POINT VUGS; 90-100% ALTERED
SUBHEDRAL
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
OTHER FEATURES: SUCROSIC

1985 - 1990 DOLOSTONE; YELLOWISH GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY; 50-90% ALTERED
SUBHEDRAL
GRAIN SIZE: MICROCRYSTALLINE
RANGE: CRYPTOCRYSTALLINE TO VERY FINE; GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT

1990 - 1995 DOLOSTONE; GRAYISH BROWN TO MODERATE LIGHT GRAY
POROSITY: INTERGRANULAR, PIN POINT VUGS; 90-100% ALTERED
SUBHEDRAL
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
OTHER FEATURES: SUCROSIC

1995 - 2005 DOLOSTONE; GRAYISH BROWN TO YELLOWISH GRAY
POROSITY: INTERGRANULAR, PIN POINT VUGS; 90-100% ALTERED
ANHEDRAL
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT

2005 - 2010 DOLOSTONE; DARK YELLOWISH BROWN TO GRAYISH BROWN
POROSITY: INTERGRANULAR, PIN POINT VUGS; 90-100% ALTERED
EUHEDRAL
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
OTHER FEATURES: SUCROSIC

2010 - 2025 DOLOSTONE; YELLOWISH GRAY TO VERY LIGHT GRAY
POROSITY: INTERGRANULAR; 90-100% ALTERED; ANHEDRAL
GRAIN SIZE: MICROCRYSTALLINE
RANGE: CRYPTOCRYSTALLINE TO VERY FINE; GOOD INDURATION

CEMENT TYPE(S): DOLOMITE CEMENT

2025 - 2040 DOLOSTONE; MODERATE YELLOWISH BROWN TO GRAYISH BROWN
POROSITY: INTERGRANULAR, 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

2040 TOTAL DEPTH