

LITHOLOGIC WELL LOG PRINTOUT

SOURCE - FGS

WELL NUMBER: W-18253
TOTAL DEPTH: 2030 FT.
SAMPLES - NONE

COUNTY - GLADES
LOCATION: T.42N R.32E S.12
LAT = 26D 83M 85S
LON = 81D 85M 44S

COMPLETION DATE: //02
OTHER TYPES OF LOGS AVAILABLE - NONE

ELEVATION: 15 FT

OWNER/DRILLER:SOUTH FLORIDA WATER MANAGEMENT DISTRICT

WORKED BY:FRANCIS FLORES AND ED MARKS
CUTTINGS BAGGED IN FIVE-FOOT INTERVALS
WELL FOR MONITOR AND TEST INJECTION

MISSING SAMPLE INTERVALS: 365-370, 905-910, 985-1005, 1190-1195,
1300-1320, 1395-1603, 1985-1990, 2010-2015.
CAVITY: 1631-1664, UNWASHED: 0-1605, WASHED: 1605-2030.

0.	-	155.	121PCPC	PLIOCENE-PLEISTOCENE
155.	-	530.	122PCR	PEACE RIVER FM.
530.	-	840.	122ARCA	ARCADIA FM.
840.	-	950.	123SWNN	SUWANNEE LIMESTONE
950.	-	1230.	124OCAL	OCALA GROUP
1230.	-	.	124AVPK	AVON PARK FM.

0 - 5 SAND; VERY LIGHT ORANGE TO VERY LIGHT GRAY
POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN SIZE: MEDIUM; RANGE: FINE TO COARSE
ROUNDNESS: SUB-ANGULAR TO SUB-ROUNDED; MEDIUM SPHERICITY
UNCONSOLIDATED
ACCESSORY MINERALS: SHELL-03%, PHOSPHATIC SAND-01%
LIMESTONE-01%

5 - 10 SAND; VERY LIGHT ORANGE TO VERY LIGHT GRAY
POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN SIZE: MEDIUM; RANGE: FINE TO COARSE
ROUNDNESS: SUB-ANGULAR TO SUB-ROUNDED; MEDIUM SPHERICITY
UNCONSOLIDATED
ACCESSORY MINERALS: LIMESTONE-02%, SHELL-01%
PHOSPHATIC SAND-01%

10 - 15 SHELL BED; VERY LIGHT GRAY TO YELLOWISH GRAY
POROSITY: INTERGRANULAR, INTRAGRANULAR
POSSIBLY HIGH PERMEABILITY; UNCONSOLIDATED
ACCESSORY MINERALS: QUARTZ SAND-40%, PHOSPHATIC SAND-01%
FOSSILS: BARNACLES, BRYOZOA
SHELLS CONSIST OF 99% BARNACLES AND 1%BRYOZOANS

15 - 20 SAND; VERY LIGHT ORANGE TO VERY LIGHT GRAY
POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN SIZE: MEDIUM; RANGE: FINE TO COARSE
ROUNDNESS: SUB-ANGULAR TO SUB-ROUNDED; MEDIUM SPHERICITY
UNCONSOLIDATED
ACCESSORY MINERALS: SHELL-01%, PHOSPHATIC SAND-01%

20 - 30 SHELL BED; MODERATE LIGHT GRAY TO YELLOWISH GRAY
POROSITY: INTERGRANULAR, INTRAGRANULAR

POSSIBLY HIGH PERMEABILITY; UNCONSOLIDATED
ACCESSORY MINERALS: QUARTZ SAND-30%, PHOSPHATIC SAND-01%
FOSSILS: BARNACLES, BRYOZOA
QUARTZ IS MTOC TEXT GRN SUPPORTED IN CALCILUTITE SHELL IS
CHIEFLY BARNACLES

30 - 45 SHELL BED; MODERATE LIGHT GRAY TO YELLOWISH GRAY
POROSITY: INTERGRANULAR, INTRAGRANULAR
POSSIBLY HIGH PERMEABILITY; UNCONSOLIDATED
ACCESSORY MINERALS: QUARTZ SAND-30%, PHOSPHATIC SAND-01%
FOSSILS: BARNACLES, BRYOZOA, CORAL, MOLLUSKS
SHELLS CONSIST OF MOSTLY BARNACLES AND BRYOZOA

45 - 60 SHELL BED; MODERATE LIGHT GRAY TO YELLOWISH GRAY
POROSITY: INTERGRANULAR, INTRAGRANULAR
POSSIBLY HIGH PERMEABILITY; UNCONSOLIDATED
ACCESSORY MINERALS: QUARTZ SAND-10%
FOSSILS: BARNACLES, BRYOZOA, CORAL, MOLLUSKS
SHELLS ARE 70% BARNACLE MOLLUSKS ARE GASTROPODS AND
BIVALVES

60 - 80 SHELL BED; MODERATE LIGHT GRAY TO YELLOWISH GRAY
POROSITY: INTERGRANULAR, INTRAGRANULAR
POSSIBLY HIGH PERMEABILITY; UNCONSOLIDATED
ACCESSORY MINERALS: QUARTZ SAND-30%
FOSSILS: BARNACLES, BRYOZOA, MOLLUSKS

80 - 85 SHELL BED; MODERATE LIGHT GRAY TO YELLOWISH GRAY
POROSITY: INTERGRANULAR, INTRAGRANULAR
POSSIBLY HIGH PERMEABILITY; UNCONSOLIDATED
ACCESSORY MINERALS: QUARTZ SAND-30%, PHOSPHATIC SAND-01%
FOSSILS: BARNACLES, BRYOZOA, MOLLUSKS

85 - 90 PACKSTONE; VERY LIGHT GRAY TO LIGHT GRAY
GRAIN TYPE: CALCILUTITE, SKELETAL
70% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: COARSE; RANGE: COARSE TO GRANULE
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: QUARTZ SAND-01%, PHOSPHATIC SAND-01%

90 - 95 SAND; YELLOWISH GRAY TO LIGHT GRAY
POROSITY: POSSIBLY HIGH PERMEABILITY
GRAIN SIZE: MEDIUM; RANGE: VERY FINE TO VERY COARSE
ROUNDNESS: SUB-ROUNDED TO ROUNDED; MEDIUM SPHERICITY
ACCESSORY MINERALS: LIMESTONE-30%, PHOSPHATIC SAND-01%
FOSSILS: BARNACLES, MOLLUSKS
LIMESTONE IS WACKESTONE AND PACKSTONE

95 - 100 SAND; VERY LIGHT GRAY TO YELLOWISH GRAY
POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN SIZE: GRAVEL; RANGE: GRANULE TO GRAVEL
ROUNDNESS: SUB-ROUNDED TO ROUNDED; MEDIUM SPHERICITY
ACCESSORY MINERALS: LIMESTONE-30%, QUARTZ SAND-05%
PHOSPHATIC SAND-01%
LIMESTONE IS WACKESTONE TO PACKSTONE SECONDARY MODE SAND IS
VERY FINE TO FINE

100 - 105 SAND; YELLOWISH GRAY TO VERY LIGHT GRAY
POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN SIZE: GRAVEL; RANGE: GRANULE TO GRAVEL
ROUNDNESS: SUB-ROUNDED TO ROUNDED; MEDIUM SPHERICITY
UNCONSOLIDATED
ACCESSORY MINERALS: QUARTZ SAND-05%, LIMESTONE-03%
CLAY-01%, PHOSPHATIC SAND-01%
SECONDARY MODE SAND IS VERY FINE TO FINE CLAY IS PLATY

105 - 110 SAND; YELLOWISH GRAY TO VERY LIGHT GRAY
POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN SIZE: COARSE; RANGE: VERY FINE TO GRANULE
ROUNDNESS: SUB-ANGULAR TO ROUNDED; MEDIUM SPHERICITY
UNCONSOLIDATED
ACCESSORY MINERALS: LIMESTONE-03%, CLAY-01%
PHOSPHATIC SAND-01%
LIMESTONE IS WACKSTONE CLAY IS PLATY

110 - 115 SAND; YELLOWISH GRAY TO VERY LIGHT GRAY
POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN SIZE: COARSE; RANGE: VERY FINE TO GRAVEL
ROUNDNESS: SUB-ANGULAR TO SUB-ROUNDED; MEDIUM SPHERICITY
UNCONSOLIDATED
ACCESSORY MINERALS: LIMESTONE-01%, PHOSPHATIC SAND-01%
OTHER FEATERS: FROSTED

115 - 120 SAND; YELLOWISH GRAY TO VERY LIGHT GRAY
POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN SIZE: COARSE; RANGE: VERY FINE TO GRAVEL
ROUNDNESS: SUB-ANGULAR TO SUB-ROUNDED; MEDIUM SPHERICITY
UNCONSOLIDATED
ACCESSORY MINERALS: LIMESTONE-01%, PHOSPHATIC SAND-01%
CLAY-01%
OTHER FEATERS: FROSTED

120 - 125 SAND; YELLOWISH GRAY TO VERY LIGHT GRAY
POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN SIZE: MEDIUM; RANGE: VERY FINE TO GRANULE
ROUNDNESS: SUB-ANGULAR TO ROUNDED; HIGH SPHERICITY
UNCONSOLIDATED
ACCESSORY MINERALS: LIMESTONE-01%, PHOSPHATIC SAND-01%

125 - 130 SAND; YELLOWISH GRAY TO VERY LIGHT GRAY
POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN SIZE: MEDIUM; RANGE: VERY FINE TO VERY COARSE
ROUNDNESS: SUB-ANGULAR TO ROUNDED; HIGH SPHERICITY
UNCONSOLIDATED
ACCESSORY MINERALS: LIMESTONE-01%, PHOSPHATIC SAND-01%

130 - 140 SAND; YELLOWISH GRAY TO VERY LIGHT GRAY
POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN SIZE: MEDIUM; RANGE: VERY FINE TO VERY COARSE
ROUNDNESS: SUB-ANGULAR TO ROUNDED; HIGH SPHERICITY
UNCONSOLIDATED
ACCESSORY MINERALS: PHOSPHATIC SAND-01%

- 140 - 155 SAND; YELLOWISH GRAY TO VERY LIGHT GRAY
POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN SIZE: COARSE; RANGE: VERY FINE TO VERY COARSE
ROUNDNESS: SUB-ROUNDED TO SUB-ROUNDED; HIGH SPHERICITY
UNCONSOLIDATED
ACCESSORY MINERALS: PHOSPHATIC SAND-01%
- 155 - 165 SAND; VERY LIGHT GRAY TO YELLOWISH GRAY
POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN SIZE: COARSE; RANGE: VERY FINE TO GRANULE
ROUNDNESS: SUB-ROUNDED TO SUB-ANGULAR; MEDIUM SPHERICITY
UNCONSOLIDATED
ACCESSORY MINERALS: LIMESTONE-03%, PHOSPHATIC SAND-01%
CLAY-01%
OTHER FEATURES: FROSTED
- 165 - 170 SAND; VERY LIGHT GRAY TO YELLOWISH GRAY
POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN SIZE: FINE; RANGE: VERY FINE TO GRANULE
ROUNDNESS: SUB-ROUNDED TO SUB-ANGULAR; MEDIUM SPHERICITY
UNCONSOLIDATED
ACCESSORY MINERALS: LIMESTONE-03%, PHOSPHATIC SAND-01%
LIMESTONE IS WACKESTONE WITH FINE SAND GRAINS
- 170 - 175 SAND; VERY LIGHT GRAY TO YELLOWISH GRAY
POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN SIZE: MEDIUM; RANGE: VERY FINE TO GRAVEL
ROUNDNESS: SUB-ROUNDED TO SUB-ANGULAR; MEDIUM SPHERICITY
UNCONSOLIDATED
ACCESSORY MINERALS: LIMESTONE-03%, PHOSPHATIC SAND-01%
LIMESTONE IS WACKESTONE WITH FINE SAND GRAINS
- 175 - 180 SAND; VERY LIGHT GRAY TO YELLOWISH GRAY
POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN SIZE: FINE; RANGE: VERY FINE TO GRANULE
ROUNDNESS: SUB-ROUNDED TO SUB-ANGULAR; MEDIUM SPHERICITY
UNCONSOLIDATED
ACCESSORY MINERALS: LIMESTONE-05%, PHOSPHATIC SAND-01%
CLAY-01%
LIMESTONE IS WACKESTONE WITH FINE SAND GRAINS
- 180 - 190 SAND; YELLOWISH GRAY TO LIGHT OLIVE GRAY
POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN SIZE: FINE; RANGE: VERY FINE TO GRAVEL
ROUNDNESS: SUB-ROUNDED TO SUB-ANGULAR; MEDIUM SPHERICITY
UNCONSOLIDATED
ACCESSORY MINERALS: DOLOMITE-40%, LIMESTONE-03%
PHOSPHATIC SAND-01%
DOLOMITE IS DOLOSILT
- 190 - 195 SAND; YELLOWISH GRAY TO LIGHT OLIVE GRAY
POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN SIZE: GRANULE; RANGE: VERY FINE TO GRANULE
ROUNDNESS: SUB-ANGULAR TO SUB-ANGULAR; MEDIUM SPHERICITY
UNCONSOLIDATED
ACCESSORY MINERALS: DOLOMITE-20%, LIMESTONE-20%
PHOSPHATIC SAND-01%

DOLOMITE IS DOLOSILT LIMESTONE IS MODERATELY INDURATED AND CONTAINS FINE SAND

- 195 - 210 SAND; LIGHT OLIVE GRAY TO YELLOWISH GRAY
POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN SIZE: FINE; RANGE: VERY FINE TO GRANULE
ROUNDNESS: SUB-ANGULAR TO SUB-ROUNDED; MEDIUM SPHERICITY
UNCONSOLIDATED
ACCESSORY MINERALS: DOLOMITE-20%, LIMESTONE-20%
PHOSPHATIC SAND-01%, MICA-01%
DOLOMITE IS DOLOSILT LIMESTONE IS MODERATELY INDURATED AND CONTAINS FINE SAND
- 210 - 220 SAND; LIGHT OLIVE GRAY TO YELLOWISH GRAY
POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN SIZE: FINE; RANGE: VERY FINE TO GRANULE
ROUNDNESS: SUB-ANGULAR TO SUB-ROUNDED; MEDIUM SPHERICITY
UNCONSOLIDATED
ACCESSORY MINERALS: DOLOMITE-10%, LIMESTONE-05%
PHOSPHATIC SAND-01%, MICA-01%
DOLOMITE IS DOLOSILT LIMESTONE IS MODERATELY INDURATED AND CONTAINS FINE SAND
- 220 - 225 PACKSTONE; YELLOWISH GRAY TO LIGHT OLIVE GRAY
POROSITY: INTERGRANULAR
GRAIN TYPE: INTRACLASTS, CALCILUTITE
GRAIN SIZE: MEDIUM; RANGE: FINE TO MEDIUM
ACCESSORY MINERALS: QUARTZ SAND-30%, PHOSPHATIC SAND-01%
MICA-01%, DOLOMITE-20%
QUARTZ IS FINE SAND
- 225 - 235 SAND; YELLOWISH GRAY TO LIGHT OLIVE GRAY
POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN SIZE: MEDIUM; RANGE: VERY FINE TO COARSE
ROUNDNESS: SUB-ANGULAR TO SUB-ROUNDED; MEDIUM SPHERICITY
UNCONSOLIDATED
ACCESSORY MINERALS: CALCILUTITE-01%, PHOSPHATIC SAND-01%
MICA-01%
FOSSILS: MOLLUSKS
- 235 - 245 SAND; YELLOWISH GRAY TO VERY LIGHT GRAY
POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN SIZE: MEDIUM; RANGE: VERY FINE TO COARSE
ROUNDNESS: SUB-ANGULAR TO SUB-ROUNDED; MEDIUM SPHERICITY
UNCONSOLIDATED
ACCESSORY MINERALS: CALCILUTITE-01%, SHELL-01%
PHOSPHATIC SAND-01%
CALCILUTITE IS CEMENT IN POORLY INDURATED MEDDUM SAND
- 245 - 250 WACKESTONE; YELLOWISH GRAY TO LIGHT OLIVE GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY
GRAIN TYPE: INTRACLASTS, CALCILUTITE
30% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: MEDIUM; RANGE: FINE TO MEDIUM
MODERATE INDURATION
ACCESSORY MINERALS: QUARTZ SAND-10%, PHOSPHATIC SAND-01%
SAND IS FINE. POORLY INDURATED IN CALCILUTITE

250 - 270 SILT-SIZE DOLOMITE; LIGHT OLIVE GRAY TO MODERATE GRAY
POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
UNCONSOLIDATED
ACCESSORY MINERALS: QUARTZ SAND-30%, LIMESTONE-03%
MICA-01%, PHOSPHATIC SAND-01%

270 - 275 SILT-SIZE DOLOMITE; LIGHT OLIVE GRAY TO MODERATE GRAY
POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
UNCONSOLIDATED
ACCESSORY MINERALS: QUARTZ SAND-20%, LIMESTONE-03%
MICA-01%, PHOSPHATIC SAND-01%

275 - 285 SILT-SIZE DOLOMITE; LIGHT OLIVE GRAY TO MODERATE GRAY
POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
UNCONSOLIDATED
ACCESSORY MINERALS: QUARTZ SAND-30%, LIMESTONE-03%
MICA-01%, PHOSPHATIC SAND-01%

285 - 295 SILT-SIZE DOLOMITE; LIGHT OLIVE GRAY TO MODERATE GRAY
POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
UNCONSOLIDATED
ACCESSORY MINERALS: QUARTZ SAND-30%, LIMESTONE-03%
MICA-01%, PHOSPHATIC SAND-01%
CUTTINGS ARE LARGER THAN 285 INTERVAL

295 - 300 SILT-SIZE DOLOMITE; LIGHT OLIVE GRAY TO MODERATE GRAY
POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
UNCONSOLIDATED
ACCESSORY MINERALS: QUARTZ SAND-20%, LIMESTONE-20%
MICA-01%, PHOSPHATIC SAND-01%
FOSSILS: BARNACLES
CLAY IS PLATY OF POOR MODERATE INDURATION AND CONTAINS SAND

300 - 305 SILT-SIZE DOLOMITE; LIGHT OLIVE GRAY TO MODERATE GRAY
POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
UNCONSOLIDATED
ACCESSORY MINERALS: QUARTZ SAND-30%, LIMESTONE-10%
SHELL-01%, MICA-01%
CLAY IS PLATY OF POOR TO MODERATE INDURATION AND CONTAINS
SAND

305 - 320 SILT-SIZE DOLOMITE; LIGHT OLIVE GRAY TO MODERATE GRAY
POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
UNCONSOLIDATED
ACCESSORY MINERALS: QUARTZ SAND-20%, LIMESTONE-05%
MICA-01%, PHOSPHATIC SAND-01%
SAME TYPE OF CLAY LIMESTONE CUTTINGS ARE COARSER THAN
PREVIOUS INTERVAL DESCRIBED

320 - 340 SILT-SIZE DOLOMITE; LIGHT OLIVE GRAY TO MODERATE DARK GRAY
POROSITY: INTERGRANULAR; POOR INDURATION
ACCESSORY MINERALS: QUARTZ SAND-30%, MICA-01%
PHOSPHATIC SAND-01%
INTERVAL 330-335 MISSING DOLOSILT IS MIXED WITH MEDIUM SAND

340 - 350 SILT-SIZE DOLOMITE; LIGHT OLIVE GRAY TO MODERATE DARK GRAY

POROSITY: INTERGRANULAR, LOW PERMEABILITY; POOR INDURATION
ACCESSORY MINERALS: QUARTZ SAND-10%, MICA-01%
PHOSPHATIC SAND-01%

350 - 355 SILT-SIZE DOLOMITE; LIGHT OLIVE GRAY TO MODERATE DARK GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY; POOR INDURATION
ACCESSORY MINERALS: QUARTZ SAND-01%, MICA-01%
PHOSPHATIC SAND-01%

355 - 365 SILT-SIZE DOLOMITE; LIGHT OLIVE GRAY TO MODERATE DARK GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY; POOR INDURATION
ACCESSORY MINERALS: QUARTZ SAND-03%, MICA-01%
PHOSPHATIC SAND-01%
QUARTZ IS COARSE-GRANULES SUBROUNDED

365 - 385 SILT-SIZE DOLOMITE; LIGHT OLIVE GRAY TO MODERATE DARK GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY
ACCESSORY MINERALS: QUARTZ SAND-03%, MICA-01%
PHOSPHATIC SAND-01%
INTERVAL 365-370 MISSING SAME TYPE OF QUARTZ AS PREVIOUS
INTERVAL

385 - 400 SILT-SIZE DOLOMITE; LIGHT OLIVE GRAY TO LIGHT OLIVE GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY; POOR INDURATION
ACCESSORY MINERALS: QUARTZ SAND-03%, MICA-01%
PHOSPHATIC SAND-01%
DOLOSTONE IS DOLOSILT SAME TYPE OF QUARTZ

400 - 420 SILT-SIZE DOLOMITE; LIGHT OLIVE GRAY TO LIGHT GRAY
POROSITY: INTERGRANULAR; POOR INDURATION
ACCESSORY MINERALS: QUARTZ SAND-40%, MICA-01%
PHOSPHATIC SAND-01%
QUARTZ IS OPAQUE WHITE-BLACK ROUNDED COARSE-PEBBLES

420 - 430 SILT-SIZE DOLOMITE; LIGHT OLIVE GRAY TO MODERATE LIGHT GRAY
POROSITY: INTERGRANULAR
ACCESSORY MINERALS: QUARTZ SAND-20%, MICA-01%
PHOSPHATIC SAND-01%
SAME TYPE OF QUARTZ AS PREVIOUS INTERVAL

430 - 450 PACKSTONE; YELLOWISH GRAY TO MODERATE LIGHT GRAY
POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: INTRACLASTS, CALCILUTITE
70% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: MEDIUM; RANGE: VERY FINE TO COARSE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: MICA-01%, PHOSPHATIC SAND-01%
GRANULES ARE OPAQUE TO DARK AND SUBROUNDED CEMENT IS
YELLOWISH GRAY

450 - 465 SAND; YELLOWISH GRAY TO MODERATE LIGHT GRAY
POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN SIZE: MEDIUM; RANGE: VERY FINE TO GRANULE
ROUNDNESS: SUB-ANGULAR TO SUB-ROUNDED; MEDIUM SPHERICITY
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX

ACCESSORY MINERALS: MICA-01%, PHOSPHATIC SAND-01%
MORE COARSE CUTTINGS THAN PREVIOUS INTERVAL

- 465 - 475 PACKSTONE; LIGHT OLIVE GRAY TO YELLOWISH GRAY
POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: INTRACLASTS, CALCILUTITE
70% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: MEDIUM; RANGE: VERY FINE TO GRANULE
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: CLAY-20%, QUARTZ SAND-05%, MICA-01%
PHOSPHATIC SAND-01%
GRANULES APPEAR TO BE SECOND MODE ROUNDED OPAQUE-DARK
CLAY PREDOMINATES COLOR
- 475 - 480 PACKSTONE; LIGHT OLIVE GRAY TO YELLOWISH GRAY
POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: INTRACLASTS, CALCILUTITE
60% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: MEDIUM; RANGE: VERY FINE TO GRANULE
UNCONSOLIDATED
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: QUARTZ SAND-05%, CLAY-01%
PHOSPHATIC SAND-01%, SHELL-01%
- 480 - 485 PACKSTONE; LIGHT OLIVE GRAY TO WHITE
POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: INTRACLASTS, CALCILUTITE
60% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: MEDIUM; RANGE: VERY FINE TO GRANULE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: QUARTZ SAND-05%, CLAY-01%
PHOSPHATIC SAND-01%
- 485 - 490 PACKSTONE; LIGHT OLIVE GRAY TO MODERATE GRAY
POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: INTRACLASTS, CALCILUTITE
60% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: MEDIUM; RANGE: VERY FINE TO COARSE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: QUARTZ SAND-05%, PHOSPHATIC GRAVEL-05%
CLAY-01%, SHELL-01%
FOSSILS: SHARKS TEETH
- 490 - 500 WACKSTONE; LIGHT OLIVE GRAY TO MODERATE DARK GRAY
POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: INTRACLASTS, CALCILUTITE
30% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: MEDIUM; RANGE: VERY FINE TO COARSE
UNCONSOLIDATED
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: PHOSPHATIC GRAVEL-10%, LIMESTONE-03%
CLAY-01%, SHELL-01%
FOSSILS: SHARKS TEETH
PHOSPHATIC GRAVEL SAME

500 - 505 WACKESTONE; LIGHT OLIVE GRAY TO MODERATE DARK GRAY
POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: INTRACLASTS, CALCILUTITE
20% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: MEDIUM; RANGE: VERY FINE TO COARSE
UNCONSOLIDATED
ACCESSORY MINERALS: CLAY-20%, PHOSPHATIC GRAVEL-03%
PHOSPHATIC SAND-01%

505 - 510 WACKESTONE; LIGHT OLIVE GRAY TO MODERATE DARK GRAY
POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: INTRACLASTS, CALCILUTITE
20% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: MEDIUM; RANGE: VERY FINE TO COARSE
UNCONSOLIDATED
ACCESSORY MINERALS: CLAY-30%, PHOSPHATIC GRAVEL-05%
PHOSPHATIC SAND-01%
FOSSILS: SHARKS TEETH

510 - 515 WACKESTONE; LIGHT OLIVE GRAY TO MODERATE DARK GRAY
POROSITY: INTERGRANULAR
GRAIN TYPE: INTRACLASTS, CALCILUTITE
20% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: MEDIUM; RANGE: VERY FINE TO COARSE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: PHOSPHATIC GRAVEL-03%
PHOSPHATIC SAND-01%

515 - 530 WACKESTONE; LIGHT OLIVE GRAY TO MODERATE DARK GRAY
POROSITY: INTERGRANULAR
GRAIN TYPE: INTRACLASTS, CALCILUTITE
10% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: PHOSPHATIC GRAVEL-03%
PHOSPHATIC SAND-01%

530 - 535 PACKSTONE; YELLOWISH GRAY TO LIGHT OLIVE GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY
GRAIN TYPE: SKELETAL, CRYSTALS
80% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: GRANULE; RANGE: FINE TO GRANULE
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: CLAY-10%, PHOSPHATIC GRAVEL-01%
PHOSPHATIC SAND-01%, QUARTZ SAND-20%
FOSSILS: BRYOZOA, CORAL, SHARKS TEETH

535 - 540 PACKSTONE; YELLOWISH GRAY TO LIGHT OLIVE GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY
GRAIN TYPE: SKELETAL, CRYSTALS
80% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: GRANULE; RANGE: FINE TO GRANULE
MODERATE INDURATION

CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: CLAY-05%, PHOSPHATIC SAND-03%
QUARTZ SAND-05%
FOSSILS: BRYOZOA, CORAL

540 - 545 PACKSTONE; YELLOWISH GRAY TO LIGHT OLIVE GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY
GRAIN TYPE: SKELETAL, CRYSTALS
80% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: GRANULE; RANGE: FINE TO GRANULE
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: PHOSPHATIC SAND-05%, CLAY-01%
QUARTZ SAND-05%
FOSSILS: BRYOZOA, CORAL

545 - 555 PACKSTONE; YELLOWISH GRAY TO LIGHT OLIVE GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY
GRAIN TYPE: SKELETAL, CRYSTALS
80% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: GRANULE; RANGE: FINE TO GRANULE
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: PHOSPHATIC SAND-03%, QUARTZ SAND-05%
FOSSILS: BRYOZOA, CORAL

555 - 570 PACKSTONE; YELLOWISH GRAY TO VERY LIGHT GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY
GRAIN TYPE: SKELETAL, CRYSTALS
80% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: GRANULE; RANGE: FINE TO GRANULE
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: CLAY-03%, PHOSPHATIC GRAVEL-01%
PHOSPHATIC SAND-10%, SHELL-30%
FOSSILS: CORAL, BRYOZOA, MOLLUSKS

570 - 575 PACKSTONE; YELLOWISH GRAY TO MODERATE LIGHT GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY
GRAIN TYPE: SKELETAL, CRYSTALS
80% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: GRANULE; RANGE: FINE TO GRANULE
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: PHOSPHATIC GRAVEL-10%, CLAY-03%
PHOSPHATIC SAND-20%, SHELL-30%
FOSSILS: SHARKS TEETH, BRYOZOA, MOLLUSKS, CORAL
PHOSPHATIC GRANULES APPEAR TO BE FOSSILS

575 - 585 PACKSTONE; YELLOWISH GRAY TO VERY LIGHT GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY
GRAIN TYPE: SKELETAL, CRYSTALS
80% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: GRANULE; RANGE: FINE TO GRANULE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: SHELL-40%, PHOSPHATIC SAND-15%

PHOSPHATIC GRAVEL-01%, CLAY-01%
 FOSSILS: BRYOZOA, CORAL
 PHOSPHATIC GRANULES ALLOCHEMS

585 - 590 PACKSTONE; YELLOWISH GRAY TO LIGHT OLIVE GRAY
 POROSITY: INTERGRANULAR, LOW PERMEABILITY
 GRAIN TYPE: SKELETAL, CRYSTALS
 80% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE
 POOR INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
 ACCESSORY MINERALS: LIMESTONE-30%, PHOSPHATIC SAND-03%
 PHOSPHATIC GRAVEL-03%, CLAY-03%
 FOSSILS: BRYOZOA, CORAL

590 - 600 PACKSTONE; YELLOWISH GRAY TO LIGHT OLIVE GRAY
 POROSITY: INTERGRANULAR, LOW PERMEABILITY
 GRAIN TYPE: SKELETAL, CRYSTALS
 80% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE
 POOR INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
 ACCESSORY MINERALS: SHELL-30%, PHOSPHATIC SAND-03%
 CLAY-01%
 FOSSILS: BRYOZOA, CORAL

600 - 605 PACKSTONE; LIGHT OLIVE GRAY TO YELLOWISH GRAY
 POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
 GRAIN TYPE: SKELETAL, CRYSTALS, CALCILUTITE
 60% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: GRANULE; RANGE: FINE TO GRANULE
 POOR INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
 ACCESSORY MINERALS: PHOSPHATIC GRAVEL-15%
 PHOSPHATIC SAND-01%

605 - 610 PACKSTONE; LIGHT OLIVE GRAY TO YELLOWISH GRAY
 POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
 GRAIN TYPE: SKELETAL, CRYSTALS, CALCILUTITE
 60% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: GRANULE; RANGE: FINE TO GRANULE
 POOR INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
 ACCESSORY MINERALS: PHOSPHATIC GRAVEL-15%
 PHOSPHATIC SAND-01%, CHERT-01%
 FOSSILS: BRYOZOA, CORAL

610 - 620 CLAY; YELLOWISH GRAY TO LIGHT OLIVE GRAY
 POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
 POOR INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
 ACCESSORY MINERALS: PHOSPHATIC GRAVEL-01%
 PHOSPHATIC SAND-01%, CHERT-01%
 FOSSILS: BRYOZOA, CORAL
 BRYOZOANS ABUNDANT

620 - 625 PACKSTONE; YELLOWISH GRAY TO LIGHT OLIVE GRAY

POROSITY: INTERGRANULAR, LOW PERMEABILITY
GRAIN TYPE: CRYSTALS, CALCILUTITE
70% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: PHOSPHATIC GRAVEL-01%
PHOSPHATIC SAND-02%, SHELL-03%, QUARTZ SAND-05%
FOSSILS: BRYOZOA

625 - 635 PACKSTONE; YELLOWISH GRAY TO MODERATE DARK GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY
GRAIN TYPE: CRYSTALS, CALCILUTITE
70% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: SHELL-20%, PHOSPHATIC GRAVEL-20%
PHOSPHATIC SAND-01%, QUARTZ SAND-05%
FOSSILS: BRYOZOA, CORAL

635 - 640 PACKSTONE; YELLOWISH GRAY TO MODERATE DARK GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY
GRAIN TYPE: CRYSTALS, CALCILUTITE
70% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: SHELL-20%, PHOSPHATIC GRAVEL-10%
PHOSPHATIC SAND-01%, QUARTZ SAND-05%
FOSSILS: BRYOZOA, CORAL

640 - 645 PACKSTONE; YELLOWISH GRAY TO MODERATE DARK GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY
GRAIN TYPE: CRYSTALS, CALCILUTITE
70% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: SHELL-05%, PHOSPHATIC GRAVEL-01%
PHOSPHATIC SAND-01%, QUARTZ SAND-05%
FOSSILS: BRYOZOA, CORAL

645 - 650 PACKSTONE; YELLOWISH GRAY TO MODERATE DARK GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY
GRAIN TYPE: CRYSTALS, CALCILUTITE
70% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: SHELL-03%, PHOSPHATIC GRAVEL-01%
PHOSPHATIC SAND-10%, QUARTZ SAND-05%
FOSSILS: BRYOZOA, CORAL

650 - 655 PACKSTONE; YELLOWISH GRAY TO MODERATE DARK GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY
GRAIN TYPE: CRYSTALS, CALCILUTITE

70% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: SHELL-01%, PHOSPHATIC GRAVEL-01%
PHOSPHATIC SAND-05%, QUARTZ SAND-05%
FOSSILS: BRYOZOA, CORAL

655 - 660 PACKSTONE; YELLOWISH GRAY TO MODERATE DARK GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY
GRAIN TYPE: CRYSTALS, CALCILUTITE
70% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: SHELL-01%, PHOSPHATIC GRAVEL-01%
PHOSPHATIC SAND-03%, QUARTZ SAND-05%
FOSSILS: BRYOZOA, CORAL

660 - 665 PACKSTONE; YELLOWISH GRAY TO MODERATE DARK GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY
GRAIN TYPE: CRYSTALS, CALCILUTITE
70% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: SHELL-01%, PHOSPHATIC GRAVEL-03%
PHOSPHATIC SAND-01%, QUARTZ SAND-05%
FOSSILS: BRYOZOA, CORAL

665 - 675 PACKSTONE; LIGHT OLIVE GRAY TO MODERATE DARK GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY
GRAIN TYPE: CRYSTALS, CALCILUTITE
70% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: SHELL-01%, PHOSPHATIC GRAVEL-20%
PHOSPHATIC SAND-01%, QUARTZ SAND-05%

675 - 680 WACKESTONE; OLIVE GRAY TO YELLOWISH GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY
GRAIN TYPE: CRYSTALS, CALCILUTITE
40% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: SHELL-01%, QUARTZ SAND-05%
FOSSILS: BRYOZOA, CORAL

680 - 685 PACKSTONE; LIGHT OLIVE GRAY TO MODERATE DARK GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY
GRAIN TYPE: SKELETAL, CALCILUTITE, CRYSTALS
70% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: GRANULE; RANGE: VERY FINE TO GRANULE
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX, SPARRY CALCITE CEMENT

ACCESSORY MINERALS: PHOSPHATIC GRAVEL-30%
PHOSPHATIC SAND-01%
FOSSILS: BRYOZOA, CORAL

685 - 700 PACKSTONE; YELLOWISH GRAY TO MODERATE DARK GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY
GRAIN TYPE: SKELETAL, CALCILUTITE, CRYSTALS
70% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: GRANULE; RANGE: VERY FINE TO GRANULE
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX, SPARRY CALCITE CEMENT
ACCESSORY MINERALS: PHOSPHATIC GRAVEL-20%
PHOSPHATIC SAND-01%
FOSSILS: BRYOZOA

700 - 710 PACKSTONE; YELLOWISH GRAY TO MODERATE DARK GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY
GRAIN TYPE: SKELETAL, CALCILUTITE, CRYSTALS
70% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: GRANULE; RANGE: VERY FINE TO GRANULE
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX, SPARRY CALCITE CEMENT
ACCESSORY MINERALS: PHOSPHATIC GRAVEL-05%
PHOSPHATIC SAND-01%
FOSSILS: BRYOZOA

710 - 725 PACKSTONE; YELLOWISH GRAY TO MODERATE DARK GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY
GRAIN TYPE: SKELETAL, CALCILUTITE, CRYSTALS
70% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: GRANULE; RANGE: VERY FINE TO GRANULE
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX, SPARRY CALCITE CEMENT
ACCESSORY MINERALS: PHOSPHATIC GRAVEL-01%
PHOSPHATIC SAND-01%
FOSSILS: BRYOZOA

725 - 740 PACKSTONE; YELLOWISH GRAY TO MODERATE DARK GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY
GRAIN TYPE: SKELETAL, CALCILUTITE, CRYSTALS
70% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: GRANULE; RANGE: VERY FINE TO GRANULE
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX, SPARRY CALCITE CEMENT
ACCESSORY MINERALS: PHOSPHATIC GRAVEL-01%
PHOSPHATIC SAND-02%
FOSSILS: BRYOZOA

740 - 755 PACKSTONE; YELLOWISH GRAY TO LIGHT GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY
GRAIN TYPE: SKELETAL, CALCILUTITE, CRYSTALS
70% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: GRANULE; RANGE: VERY FINE TO GRANULE
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX, SPARRY CALCITE CEMENT
ACCESSORY MINERALS: PHOSPHATIC GRAVEL-01%
PHOSPHATIC SAND-05%

FOSSILS: BRYOZOA

- 755 - 770 PACKSTONE; YELLOWISH GRAY TO LIGHT GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY
GRAIN TYPE: SKELETAL, CALCILUTITE, CRYSTALS
70% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: GRANULE; RANGE: VERY FINE TO GRANULE
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX, SPARRY CALCITE CEMENT
ACCESSORY MINERALS: PHOSPHATIC GRAVEL-20%
PHOSPHATIC SAND-03%
FOSSILS: BRYOZOA
- 770 - 780 PACKSTONE; YELLOWISH GRAY TO LIGHT GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY
GRAIN TYPE: SKELETAL, CALCILUTITE, CRYSTALS
60% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO VERY FINE
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX, SPARRY CALCITE CEMENT
ACCESSORY MINERALS: PHOSPHATIC SAND-01%, QUARTZ SAND-10%
CLAY-01%
FOSSILS: BRYOZOA
- 780 - 785 PACKSTONE; LIGHT OLIVE GRAY TO YELLOWISH GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY
GRAIN TYPE: SKELETAL, CALCILUTITE, CRYSTALS
60% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: GRANULE; RANGE: VERY FINE TO GRANULE
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX, SPARRY CALCITE CEMENT
ACCESSORY MINERALS: QUARTZ SAND-20%, PHOSPHATIC GRAVEL-01%
PHOSPHATIC SAND-01%, CLAY-01%
FOSSILS: BRYOZOA
- 785 - 800 NO SAMPLES
- 800 - 805 SAND; LIGHT OLIVE GRAY TO YELLOWISH GRAY
POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
ROUNDNESS: SUB-ANGULAR TO SUB-ROUNDED; MEDIUM SPHERICITY
UNCONSOLIDATED
ACCESSORY MINERALS: LIMESTONE-30%, SHELL-05%, CLAY-05%
PHOSPHATIC GRAVEL-01%
FOSSILS: BRYOZOA, CORAL
GREATER ABUNDANCE LIMESTONE IS TAN MICRITE/SPAR WITH
PHOSPHATIC AND QUARTZ SAND LESSER LIMESTONE IS GRAY
MUDSTONE OF GOOD INDURATION
- 805 - 810 SAND; OLIVE GRAY TO LIGHT OLIVE GRAY
POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
ROUNDNESS: SUB-ANGULAR TO SUB-ROUNDED; MEDIUM SPHERICITY
UNCONSOLIDATED
ACCESSORY MINERALS: LIMESTONE-30%, CLAY-30%
FOSSILS: BRYOZOA

- 810 - 820 SAND; LIGHT OLIVE GRAY TO YELLOWISH GRAY
POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
ROUNDNESS: SUB-ANGULAR TO SUB-ROUNDED; MEDIUM SPHERICITY
UNCONSOLIDATED
ACCESSORY MINERALS: LIMESTONE-30%, CLAY-05%
PHOSPHATIC SAND-01%
FOSSILS: BRYOZOA, MOLLUSKS, SHARKS TEETH
LIMESTONE CONSISTS OF VARIOUS TYPES CLAY IS WELL
WELL-INDURATED GRAY PIECES
- 820 - 835 SAND; OLIVE GRAY TO LIGHT OLIVE GRAY
POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
ROUNDNESS: SUB-ANGULAR TO SUB-ROUNDED; MEDIUM SPHERICITY
UNCONSOLIDATED
ACCESSORY MINERALS: CLAY-30%, LIMESTONE-20%
PHOSPHATIC SAND-01%
FOSSILS: BRYOZOA
CLAY AND VARIED LIMESTONE SIMILAR TO PREVIOUS INTERVAL
- 835 - 840 SAND; LIGHT OLIVE GRAY TO YELLOWISH GRAY
POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
ROUNDNESS: SUB-ANGULAR TO SUB-ROUNDED; MEDIUM SPHERICITY
UNCONSOLIDATED
ACCESSORY MINERALS: LIMESTONE-30%, PHOSPHATIC SAND-01%
CLAY-01%
LIMESTONE IS 'PEPPERED' WHITE WACKESTONE CLAY IS LIGHT
GRAY, CONTAINS FINE SAND, AND IS POORLY IND.
- 840 - 845 PACKSTONE; LIGHT OLIVE GRAY TO YELLOWISH GRAY
POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: INTRACLASTS, CRYSTALS, CALCILUTITE
60% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: MEDIUM; RANGE: VERY FINE TO MEDIUM
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: QUARTZ SAND-30%, CLAY-01%
- 845 - 865 PACKSTONE; YELLOWISH GRAY TO LIGHT OLIVE GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY
GRAIN TYPE: SKELETAL, CRYSTALS, CALCILUTITE
70% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: QUARTZ SAND-10%, CLAY-01%
- 865 - 880 PACKSTONE; YELLOWISH GRAY TO LIGHT OLIVE GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY
GRAIN TYPE: SKELETAL, CRYSTALS, CALCILUTITE
70% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: QUARTZ SAND-03%

880 - 885 PACKSTONE; YELLOWISH GRAY TO YELLOWISH GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY
GRAIN TYPE: SKELETAL, CRYSTALS, CALCILUTITE
70% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
FOSSILS: FOSSIL MOLDS
SAMPLE IS VERY SMALL

885 - 900 PACKSTONE; YELLOWISH GRAY TO LIGHT OLIVE GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY
GRAIN TYPE: CRYSTALS, CALCILUTITE
70% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
GOOD INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: QUARTZ SAND-03%

900 - 905 PACKSTONE; YELLOWISH GRAY TO YELLOWISH GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY
GRAIN TYPE: CRYSTALS, CALCILUTITE
60% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: VERY FINE TO FINE
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: QUARTZ SAND-03%
FOSSILS: FOSSIL MOLDS

905 - 910 NO SAMPLES

910 - 915 PACKSTONE; YELLOWISH GRAY TO YELLOWISH GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY
GRAIN TYPE: CALCILUTITE, CRYSTALS, SKELETAL
60% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: QUARTZ SAND-03%
FOSSILS: FOSSIL MOLDS

915 - 920 WACKESTONE; YELLOWISH GRAY TO YELLOWISH GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY
GRAIN TYPE: CALCILUTITE, SKELETAL, CRYSTALS
30% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: QUARTZ SAND-06%
FOSSILS: FOSSIL MOLDS

920 - 925 WACKESTONE; YELLOWISH GRAY TO YELLOWISH GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY
GRAIN TYPE: CALCILUTITE, CRYSTALS, SKELETAL
50% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM

MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: QUARTZ SAND-03%
FOSSILS: FOSSIL MOLDS, MOLLUSKS

- 925 - 935 WACKESTONE; YELLOWISH GRAY TO YELLOWISH GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY
GRAIN TYPE: CALCILUTITE, CRYSTALS, SKELETAL
50% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: QUARTZ SAND-03%
FOSSILS: FOSSIL MOLDS
- 935 - 940 WACKESTONE; YELLOWISH GRAY TO YELLOWISH GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY
GRAIN TYPE: CALCILUTITE, CRYSTALS, SKELETAL
50% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: VERY FINE TO FINE
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: QUARTZ SAND-03%
FOSSILS: FOSSIL MOLDS, SHARKS TEETH
- 940 - 950 WACKESTONE; YELLOWISH GRAY TO YELLOWISH GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY
GRAIN TYPE: CALCILUTITE, CRYSTALS, SKELETAL
50% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: QUARTZ SAND-03%
FOSSILS: FOSSIL MOLDS, MOLLUSKS
- 950 - 960 WACKESTONE; YELLOWISH GRAY TO YELLOWISH GRAY
POROSITY: INTERGRANULAR, VUGULAR, LOW PERMEABILITY
GRAIN TYPE: CALCILUTITE, CRYSTALS, SKELETAL
50% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: QUARTZ SAND-03%
FOSSILS: FOSSIL MOLDS
- 960 - 970 WACKESTONE; YELLOWISH GRAY TO YELLOWISH GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY
GRAIN TYPE: CALCILUTITE, CRYSTALS, SKELETAL
20% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: VERY FINE TO FINE
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: QUARTZ SAND-03%
FOSSILS: FOSSIL MOLDS
- 970 - 980 WACKESTONE; YELLOWISH GRAY TO YELLOWISH GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY

GRAIN TYPE: CALCILUTITE, CRYSTALS, SKELETAL
 40% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: FINE; RANGE: VERY FINE TO FINE
 MODERATE INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
 ACCESSORY MINERALS: QUARTZ SAND-03%
 FOSSILS: FOSSIL MOLDS

980 - 985 PACKSTONE; YELLOWISH GRAY TO YELLOWISH GRAY
 POROSITY: INTERGRANULAR, LOW PERMEABILITY
 GRAIN TYPE: CALCILUTITE, CRYSTALS, SKELETAL
 60% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
 MODERATE INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
 ACCESSORY MINERALS: QUARTZ SAND-03%
 FOSSILS: FOSSIL MOLDS

985 - 1005 NO SAMPLES

1005 - 1015 WACKESTONE; YELLOWISH GRAY TO YELLOWISH GRAY
 POROSITY: INTERGRANULAR, LOW PERMEABILITY
 GRAIN TYPE: CALCILUTITE, CRYSTALS
 30% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE
 MODERATE INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
 ACCESSORY MINERALS: QUARTZ SAND-03%

1015 - 1020 WACKESTONE; YELLOWISH GRAY TO YELLOWISH GRAY
 POROSITY: INTERGRANULAR, LOW PERMEABILITY
 GRAIN TYPE: CALCILUTITE, CRYSTALS, SKELETAL
 30% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE
 MODERATE INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
 ACCESSORY MINERALS: QUARTZ SAND-03%

1020 - 1035 WACKESTONE; YELLOWISH GRAY TO YELLOWISH GRAY
 POROSITY: INTERGRANULAR, LOW PERMEABILITY
 GRAIN TYPE: CALCILUTITE, CRYSTALS
 30% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE
 MODERATE INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
 ACCESSORY MINERALS: QUARTZ SAND-03%
 FOSSILS: FOSSIL MOLDS

1035 - 1055 WACKESTONE; YELLOWISH GRAY TO YELLOWISH GRAY
 POROSITY: INTERGRANULAR, LOW PERMEABILITY
 GRAIN TYPE: CALCILUTITE, CRYSTALS
 30% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE
 MODERATE INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
 ACCESSORY MINERALS: QUARTZ SAND-03%
 FOSSILS: FOSSIL MOLDS

1055 - 1070 WACKESTONE; YELLOWISH GRAY TO YELLOWISH GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY
GRAIN TYPE: CALCILUTITE, CRYSTALS
30% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: QUARTZ SAND-03%
FOSSILS: FOSSIL MOLDS

1070 - 1080 WACKESTONE; YELLOWISH GRAY TO YELLOWISH GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY
GRAIN TYPE: CALCILUTITE, CRYSTALS, SKELETAL
30% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: QUARTZ SAND-03%
FOSSILS: FOSSIL MOLDS

1080 - 1100 WACKESTONE; YELLOWISH GRAY TO YELLOWISH GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY
GRAIN TYPE: CALCILUTITE, CRYSTALS
30% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: QUARTZ SAND-03%
FOSSILS: FOSSIL MOLDS

1100 - 1110 WACKESTONE; YELLOWISH GRAY TO YELLOWISH GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY
GRAIN TYPE: CALCILUTITE, CRYSTALS, SKELETAL
30% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: QUARTZ SAND-03%
FOSSILS: FOSSIL MOLDS

1110 - 1130 PACKSTONE; YELLOWISH GRAY TO YELLOWISH GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY
GRAIN TYPE: CRYSTALS, SKELETAL, CALCILUTITE
60% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: QUARTZ SAND-03%
FOSSILS: BENTHIC FORAMINIFERA
FORAM IS LEPIDOCYCLINA

1130 - 1140 PACKSTONE; YELLOWISH GRAY TO YELLOWISH GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY
GRAIN TYPE: CRYSTALS, SKELETAL, CALCILUTITE
60% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO MEDIUM

MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: QUARTZ SAND-03%
FOSSILS: BENTHIC FORAMINIFERA
FORAM IS LEPIDOCYCLINA

1140 - 1160 PACKSTONE; YELLOWISH GRAY TO YELLOWISH GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY
GRAIN TYPE: CRYSTALS, SKELETAL, CALCILUTITE
60% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: QUARTZ SAND-03%
FOSSILS: BENTHIC FORAMINIFERA
FORAM IS LEPIDOCYCLINA

1160 - 1180 PACKSTONE; YELLOWISH GRAY TO YELLOWISH GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY
GRAIN TYPE: CRYSTALS, SKELETAL, CALCILUTITE
60% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: QUARTZ SAND-03%
FOSSILS: BENTHIC FORAMINIFERA
FORAM IS LEPIDOCYCLINA

1180 - 1190 PACKSTONE; YELLOWISH GRAY TO YELLOWISH GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY
GRAIN TYPE: CRYSTALS, SKELETAL, CALCILUTITE
60% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: QUARTZ SAND-03%
FOSSILS: BENTHIC FORAMINIFERA
FORAM IS LEPIDOCYCLINA

1190 - 1195 NO SAMPLES

1195 - 1215 PACKSTONE; YELLOWISH GRAY TO YELLOWISH GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY
GRAIN TYPE: CRYSTALS, SKELETAL, CALCILUTITE
60% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: QUARTZ SAND-03%
FOSSILS: BENTHIC FORAMINIFERA
FORAM IS LEPIDOCYCLINA

1215 - 1230 WACKSTONE; YELLOWISH GRAY TO YELLOWISH GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY
GRAIN TYPE: CRYSTALS, CALCILUTITE
50% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM

MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: QUARTZ SAND-03%
FOSSILS: FOSSIL MOLDS

- 1230 - 1245 WACKESTONE; YELLOWISH GRAY TO YELLOWISH GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY
GRAIN TYPE: CRYSTALS, SKELETAL, CALCILUTITE
50% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: QUARTZ SAND-03%, CHERT-01%
- 1245 - 1255 MUDSTONE; YELLOWISH GRAY TO YELLOWISH GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY
GRAIN TYPE: CALCILUTITE, CRYSTALS, SKELETAL
05% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: QUARTZ SAND-03%, CHERT-03%
- 1255 - 1265 MUDSTONE; YELLOWISH GRAY TO YELLOWISH GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY
GRAIN TYPE: CALCILUTITE, CRYSTALS, SKELETAL
05% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: QUARTZ SAND-03%, CHERT-03%
- 1265 - 1275 WACKESTONE; YELLOWISH GRAY TO YELLOWISH GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY
GRAIN TYPE: CALCILUTITE, CRYSTALS, SKELETAL
10% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: QUARTZ SAND-03%, CHERT-03%
FOSSILS: BENTHIC FORAMINIFERA
FORAM IS DICTYOCONUS
- 1275 - 1280 WACKESTONE; YELLOWISH GRAY TO YELLOWISH GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY
GRAIN TYPE: CALCILUTITE, CRYSTALS, SKELETAL
10% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO MEDIUM
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: QUARTZ SAND-03%, CHERT-01%
- 1280 - 1300 WACKESTONE; YELLOWISH GRAY TO YELLOWISH GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY
GRAIN TYPE: CALCILUTITE, CRYSTALS, SKELETAL
10% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM

MODERATE INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
 ACCESSORY MINERALS: QUARTZ SAND-03%, CHERT-01%

1300 - 1320 NO SAMPLES

1320 - 1335 WACKESTONE; YELLOWISH GRAY TO YELLOWISH GRAY
 POROSITY: INTERGRANULAR, LOW PERMEABILITY
 GRAIN TYPE: CALCILUTITE, CRYSTALS, SKELETAL
 10% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
 MODERATE INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
 ACCESSORY MINERALS: QUARTZ SAND-03%, CHERT-01%
 QUARTZ IS GRANULES

1335 - 1355 WACKESTONE; YELLOWISH GRAY TO YELLOWISH GRAY
 POROSITY: INTERGRANULAR, LOW PERMEABILITY
 GRAIN TYPE: CALCILUTITE, CRYSTALS, SKELETAL
 10% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
 MODERATE INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
 ACCESSORY MINERALS: QUARTZ SAND-03%, CHERT-01%
 QUARTZ IS GRANULES

1355 - 1375 MUDSTONE; YELLOWISH GRAY TO YELLOWISH GRAY
 POROSITY: INTERGRANULAR, LOW PERMEABILITY
 GRAIN TYPE: CALCILUTITE, CRYSTALS, SKELETAL
 05% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO MEDIUM
 MODERATE INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
 ACCESSORY MINERALS: QUARTZ SAND-03%, CHERT-01%
 QUARTZ IS GRANULES

1375 - 1395 MUDSTONE; YELLOWISH GRAY TO YELLOWISH GRAY
 POROSITY: INTERGRANULAR, LOW PERMEABILITY
 GRAIN TYPE: CALCILUTITE, CRYSTALS, SKELETAL
 05% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO MEDIUM
 MODERATE INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
 ACCESSORY MINERALS: QUARTZ SAND-03%, CHERT-01%

1395 - 1603 NO SAMPLES

1603 - 1605 WACKESTONE; YELLOWISH GRAY TO YELLOWISH GRAY
 POROSITY: INTERGRANULAR, LOW PERMEABILITY
 GRAIN TYPE: CALCILUTITE, CRYSTALS
 10% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE
 MODERATE INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
 ACCESSORY MINERALS: QUARTZ SAND-03%, CHERT-01%
 BEGINNING OF WASHED INTERVALS

1605 - 1610 DOLOSTONE; MODERATE YELLOWISH BROWN TO YELLOWISH GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY; 50-90% ALTERED
Euhedral
GRAIN SIZE: MEDIUM; RANGE: FINE TO MEDIUM; GOOD INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: LIMESTONE-10%, QUARTZ SAND-03%
LIMESTONE IS WACKESTONE WITH FINE GRAINS

1610 - 1615 WACKESTONE; YELLOWISH GRAY TO MODERATE YELLOWISH BROWN
POROSITY: INTERGRANULAR, LOW PERMEABILITY
GRAIN TYPE: CALCILUTITE, CRYSTALS
10% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: DOLOMITE-30%, QUARTZ SAND-03%

1615 - 1620 WACKESTONE; YELLOWISH GRAY TO YELLOWISH GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY
GRAIN TYPE: CALCILUTITE, CRYSTALS
10% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: QUARTZ SAND-03%

1620 - 1625 WACKESTONE; YELLOWISH GRAY TO MODERATE YELLOWISH BROWN
POROSITY: INTERGRANULAR, LOW PERMEABILITY
GRAIN TYPE: CALCILUTITE, CRYSTALS
10% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: DOLOMITE-20%, QUARTZ SAND-03%

1625 - 1630 WACKESTONE; YELLOWISH GRAY TO YELLOWISH GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY
GRAIN TYPE: CALCILUTITE, CRYSTALS
10% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: VERY FINE TO FINE
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: QUARTZ SAND-03%

1630 - 1664 NO SAMPLES
CAVITY

1664 - 1669 WACKESTONE; YELLOWISH GRAY TO YELLOWISH GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY
GRAIN TYPE: CALCILUTITE, CRYSTALS
10% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: VERY FINE TO FINE
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: DOLOMITE-05%, QUARTZ SAND-03%

1669 - 1674 WACKESTONE; YELLOWISH GRAY TO YELLOWISH GRAY

POROSITY: INTERGRANULAR, LOW PERMEABILITY
 GRAIN TYPE: CALCILUTITE, CRYSTALS
 10% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE
 MODERATE INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
 ACCESSORY MINERALS: DOLOMITE-01%, QUARTZ SAND-03%

1674 - 1690 WACKESTONE; YELLOWISH GRAY TO YELLOWISH GRAY
 POROSITY: INTERGRANULAR, LOW PERMEABILITY
 GRAIN TYPE: CALCILUTITE, CRYSTALS
 10% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE
 MODERATE INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
 ACCESSORY MINERALS: QUARTZ SAND-03%

1690 - 1700 WACKESTONE; YELLOWISH GRAY TO YELLOWISH GRAY
 POROSITY: INTERGRANULAR, LOW PERMEABILITY
 GRAIN TYPE: CALCILUTITE, CRYSTALS
 10% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: FINE; RANGE: VERY FINE TO FINE
 MODERATE INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
 ACCESSORY MINERALS: QUARTZ SAND-03%

1700 - 1715 WACKESTONE; YELLOWISH GRAY TO YELLOWISH GRAY
 POROSITY: INTERGRANULAR, LOW PERMEABILITY
 GRAIN TYPE: CALCILUTITE, CRYSTALS
 10% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE
 MODERATE INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
 ACCESSORY MINERALS: QUARTZ SAND-03%

1715 - 1725 WACKESTONE; YELLOWISH GRAY TO YELLOWISH GRAY
 POROSITY: INTERGRANULAR, LOW PERMEABILITY
 GRAIN TYPE: CALCILUTITE, CRYSTALS
 10% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: FINE; RANGE: VERY FINE TO FINE
 MODERATE INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
 ACCESSORY MINERALS: QUARTZ SAND-03%

1725 - 1740 WACKESTONE; YELLOWISH GRAY TO YELLOWISH GRAY
 POROSITY: INTERGRANULAR, LOW PERMEABILITY
 GRAIN TYPE: CALCILUTITE, CRYSTALS
 10% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: FINE; RANGE: VERY FINE TO FINE
 MODERATE INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
 ACCESSORY MINERALS: QUARTZ SAND-03%
 FORAM IS DICTYOCONUS

1740 - 1745 DOLOSTONE; MODERATE YELLOWISH BROWN TO MODERATE YELLOWISH BRO
 POROSITY: INTERGRANULAR, LOW PERMEABILITY; 90-100% ALTERED
 SUBHEDRAL

GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
 GOOD INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
 ACCESSORY MINERALS: QUARTZ SAND-03%

1745 - 1750 DOLOSTONE; GRAYISH BROWN TO GRAYISH BROWN
 POROSITY: INTERGRANULAR, LOW PERMEABILITY; 90-100% ALTERED
 SUBHEDRAL
 GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE
 GOOD INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
 ACCESSORY MINERALS: LIMESTONE-03%, QUARTZ SAND-03%

1750 - 1755 DOLOSTONE; MODERATE YELLOWISH BROWN TO MODERATE YELLOWISH BRO
 POROSITY: INTERGRANULAR, LOW PERMEABILITY; 90-100% ALTERED
 SUBHEDRAL
 GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
 GOOD INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
 ACCESSORY MINERALS: QUARTZ SAND-03%

1755 - 1760 DOLOSTONE; GRAYISH BROWN TO YELLOWISH GRAY
 POROSITY: INTERGRANULAR, LOW PERMEABILITY; 90-100% ALTERED
 SUBHEDRAL
 GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE
 GOOD INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
 ACCESSORY MINERALS: LIMESTONE-10%, QUARTZ SAND-03%

1760 - 1765 DOLOSTONE; GRAYISH BROWN TO YELLOWISH GRAY
 POROSITY: INTERGRANULAR, LOW PERMEABILITY; 90-100% ALTERED
 SUBHEDRAL
 GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
 GOOD INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
 ACCESSORY MINERALS: LIMESTONE-10%, QUARTZ SAND-03%

1765 - 1770 DOLOSTONE; GRAYISH BROWN TO GRAYISH BROWN
 POROSITY: INTERGRANULAR, LOW PERMEABILITY; 90-100% ALTERED
 SUBHEDRAL
 GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
 GOOD INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
 ACCESSORY MINERALS: LIMESTONE-05%, QUARTZ SAND-03%
 SECONDARY MODE DOLOSTONE (30%) COMPRISED OF EUHEDRAL MEDIUM
 GRAINS

1770 - 1775 DOLOSTONE; MODERATE YELLOWISH BROWN TO MODERATE YELLOWISH BRO
 POROSITY: INTERGRANULAR, LOW PERMEABILITY; 90-100% ALTERED
 EUHEDRAL
 GRAIN SIZE: MEDIUM; RANGE: FINE TO MEDIUM; GOOD INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
 ACCESSORY MINERALS: LIMESTONE-03%, QUARTZ SAND-03%

1775 - 1780 DOLOSTONE; GRAYISH BROWN TO GRAYISH BROWN
 POROSITY: INTERGRANULAR, LOW PERMEABILITY; 90-100% ALTERED
 EUHEDRAL

GRAIN SIZE: FINE; RANGE: FINE TO MEDIUM; GOOD INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: QUARTZ SAND-03%

1780 - 1785 DOLOSTONE; GRAYISH BROWN TO YELLOWISH GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY; 50-90% ALTERED
SUBHEDRAL
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
GOOD INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: LIMESTONE-40%, QUARTZ SAND-03%
LIMESTONE IS WACKESTONE WITH VERY FINE GRAINS

1785 - 1790 DOLOSTONE; GRAYISH BROWN TO YELLOWISH GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY; 50-90% ALTERED
SUBHEDRAL
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
GOOD INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: LIMESTONE-30%, QUARTZ SAND-03%
LIMESTONE IS WACKESTONE WITH VERY FINE GRAINS

1790 - 1805 DOLOSTONE; GRAYISH BROWN TO YELLOWISH GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY; 90-100% ALTERED
SUBHEDRAL
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
GOOD INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: LIMESTONE-03%, QUARTZ SAND-03%
EUHEDRAL MEDIUM DOLOSTONE PRESENT (~3%)

1805 - 1810 DOLOSTONE; GRAYISH BROWN TO YELLOWISH GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY; 90-100% ALTERED
SUBHEDRAL
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
GOOD INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: LIMESTONE-03%, QUARTZ SAND-03%

1810 - 1815 DOLOSTONE; GRAYISH BROWN TO YELLOWISH GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY; 90-100% ALTERED
SUBHEDRAL
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
GOOD INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: LIMESTONE-10%, QUARTZ SAND-03%

1815 - 1819 DOLOSTONE; GRAYISH BROWN TO YELLOWISH GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY; 90-100% ALTERED
SUBHEDRAL
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
GOOD INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: LIMESTONE-30%, QUARTZ SAND-03%
LIMESTONE IS WACKESTONE WITH VERY FINE GRAINS; FORAM IS
DICTYOCONUS

1819 - 1830 DOLOSTONE; DARK GRAY TO DARK YELLOWISH BROWN
POROSITY: INTERGRANULAR, LOW PERMEABILITY; 90-100% ALTERED
SUBHEDRAL
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE
GOOD INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: LIMESTONE-01%, QUARTZ SAND-03%
BROWN DOLOSTONE COMPOSED OF EUHEDRAL MEDIUM GRAINS

1830 - 1840 DOLOSTONE; DARK YELLOWISH BROWN TO DARK GRAY
POROSITY: INTERGRANULAR, LOW PERMEABILITY; 90-100% ALTERED
SUBHEDRAL
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
GOOD INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: LIMESTONE-03%, QUARTZ SAND-03%
EUHEDRAL AND ANHEDRAL DOLOSTONE PRESENT

1840 - 1855 DOLOSTONE; DARK YELLOWISH BROWN TO MODERATE YELLOWISH BROWN
POROSITY: INTERGRANULAR, LOW PERMEABILITY; 90-100% ALTERED
SUBHEDRAL
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO MEDIUM
GOOD INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: QUARTZ SAND-03%
BROWN DOLOSTONE (~20%) COMPOSED OF EUHEDRAL MEDIUM GRAINS

1855 - 1865 DOLOSTONE; MODERATE YELLOWISH BROWN TO MODERATE YELLOWISH BRO
POROSITY: INTERGRANULAR, LOW PERMEABILITY; 90-100% ALTERED
SUBHEDRAL
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
GOOD INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: QUARTZ SAND-03%

1865 - 1870 DOLOSTONE; MODERATE YELLOWISH BROWN TO MODERATE YELLOWISH BRO
POROSITY: INTERGRANULAR, LOW PERMEABILITY; 90-100% ALTERED
SUBHEDRAL
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
GOOD INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: QUARTZ SAND-03%

1870 - 1880 DOLOSTONE; MODERATE YELLOWISH BROWN TO MODERATE YELLOWISH BRO
POROSITY: INTERGRANULAR, LOW PERMEABILITY; 90-100% ALTERED
SUBHEDRAL
GRAIN SIZE: MEDIUM; RANGE: VERY FINE TO MEDIUM
GOOD INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: QUARTZ SAND-03%

1880 - 1890 DOLOSTONE; DARK YELLOWISH 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): CALCILUTITE MATRIX

ACCESSORY MINERALS: QUARTZ SAND-03%
SUCROSIC DOLOSTONE ~20%

- 1890 - 1895 DOLOSTONE; DARK YELLOWISH 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): CALCILUTITE MATRIX
ACCESSORY MINERALS: QUARTZ SAND-03%
SUCROSIC DOLOSTONE ~30%
- 1895 - 1900 DOLOSTONE; DARK YELLOWISH BROWN TO DARK YELLOWISH BROWN
POROSITY: INTERGRANULAR, LOW PERMEABILITY; 90-100% ALTERED
EUHEDRAL
GRAIN SIZE: MEDIUM; RANGE: FINE TO MEDIUM; GOOD INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: QUARTZ SAND-03%
SECOND MODE DOLOSTONE (~30%) IS ANHEDRAL
- 1900 - 1905 DOLOSTONE; MODERATE YELLOWISH BROWN TO MODERATE YELLOWISH BRO
POROSITY: INTERGRANULAR, LOW PERMEABILITY; 90-100% ALTERED
SUBHEDRAL
GRAIN SIZE: FINE; RANGE: VERY FINE TO FINE
GOOD INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: QUARTZ SAND-03%
EUHEDRAL MEDIUM-TEXTURE GRAINS ~10%
- 1905 - 1910 DOLOSTONE; MODERATE YELLOWISH BROWN TO MODERATE YELLOWISH BRO
POROSITY: INTERGRANULAR, LOW PERMEABILITY; 90-100% ALTERED
SUBHEDRAL
GRAIN SIZE: FINE; RANGE: VERY FINE TO FINE
GOOD INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: QUARTZ SAND-03%
- 1910 - 1920 DOLOSTONE; MODERATE YELLOWISH BROWN TO GRAYISH BROWN
POROSITY: INTERGRANULAR, LOW PERMEABILITY; 90-100% ALTERED
SUBHEDRAL
GRAIN SIZE: FINE; RANGE: VERY FINE TO FINE
GOOD INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: LIMESTONE-03%
EUHEDRAL MEDIUM-TEXTURE GRAINS ~10%
- 1920 - 1925 DOLOSTONE; MODERATE YELLOWISH BROWN TO GRAYISH BROWN
POROSITY: INTERGRANULAR, LOW PERMEABILITY; 90-100% ALTERED
SUBHEDRAL
GRAIN SIZE: FINE; RANGE: VERY FINE TO FINE
GOOD INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
- 1925 - 1935 DOLOSTONE; MODERATE YELLOWISH BROWN TO GRAYISH BROWN
POROSITY: INTERGRANULAR, LOW PERMEABILITY; 90-100% ALTERED
SUBHEDRAL
GRAIN SIZE: MEDIUM; RANGE: VERY FINE TO MEDIUM

GOOD INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX

1935 - 1945 DOLOSTONE; MODERATE YELLOWISH BROWN TO GRAYISH BROWN
 POROSITY: INTERGRANULAR, LOW PERMEABILITY; 90-100% ALTERED
 SUBHEDRAL
 GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
 GOOD INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
 ACCESSORY MINERALS: LIMESTONE-01%

1945 - 1950 DOLOSTONE; MODERATE YELLOWISH BROWN TO VERY LIGHT ORANGE
 POROSITY: INTERGRANULAR, LOW PERMEABILITY; 90-100% ALTERED
 SUBHEDRAL
 GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
 GOOD INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
 ACCESSORY MINERALS: LIMESTONE-01%

1950 - 1955 DOLOSTONE; MODERATE YELLOWISH BROWN TO VERY LIGHT ORANGE
 POROSITY: INTERGRANULAR, LOW PERMEABILITY; 90-100% ALTERED
 ANHEDRAL
 GOOD INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
 SUBHEDRAL-EUHEDRAL GRAINS COMPRISE ~40%

1955 - 1965 DOLOSTONE; DARK YELLOWISH BROWN TO MODERATE YELLOWISH BROWN
 POROSITY: INTERGRANULAR, LOW PERMEABILITY; 90-100% ALTERED
 SUBHEDRAL
 GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
 GOOD INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX

1965 - 1970 DOLOSTONE; DARK YELLOWISH BROWN TO GRAYISH BROWN
 POROSITY: INTERGRANULAR, LOW PERMEABILITY; 90-100% ALTERED
 SUBHEDRAL
 GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
 GOOD INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX

1970 - 1972 DOLOSTONE; DARK YELLOWISH BROWN TO MODERATE YELLOWISH BROWN
 POROSITY: INTERGRANULAR, LOW PERMEABILITY; 90-100% ALTERED
 SUBHEDRAL
 GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO MEDIUM
 GOOD INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX

1972 - 1975 DOLOSTONE; DARK YELLOWISH BROWN TO MODERATE YELLOWISH BROWN
 POROSITY: INTERGRANULAR, LOW PERMEABILITY; 90-100% ALTERED
 SUBHEDRAL
 GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
 GOOD INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX

1975 - 1985 DOLOSTONE; DARK YELLOWISH BROWN TO VERY LIGHT ORANGE
 POROSITY: INTERGRANULAR, LOW PERMEABILITY; 90-100% ALTERED
 SUBHEDRAL

GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
 GOOD INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
 ACCESSORY MINERALS: LIMESTONE-01%

1985 - 1990 NO SAMPLES

1990 - 1995 DOLOSTONE; DARK YELLOWISH BROWN TO VERY LIGHT ORANGE
 POROSITY: INTERGRANULAR, LOW PERMEABILITY; 90-100% ALTERED
 SUBHEDRAL
 GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
 GOOD INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
 ACCESSORY MINERALS: LIMESTONE-01%

1995 - 2000 DOLOSTONE; MODERATE YELLOWISH BROWN TO GRAYISH BROWN
 POROSITY: INTERGRANULAR, LOW PERMEABILITY; 90-100% ALTERED
 ANHEDRAL
 GOOD INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
 ACCESSORY MINERALS: LIMESTONE-01%

2000 - 2010 DOLOSTONE; MODERATE YELLOWISH BROWN TO GRAYISH BROWN
 POROSITY: INTERGRANULAR, LOW PERMEABILITY; 90-100% ALTERED
 SUBHEDRAL
 GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
 GOOD INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
 ACCESSORY MINERALS: LIMESTONE-03%

2010 - 2015 NO SAMPLES

2015 - 2020 DOLOSTONE; GRAYISH BROWN TO VERY LIGHT ORANGE
 POROSITY: INTERGRANULAR, LOW PERMEABILITY; 90-100% ALTERED
 ANHEDRAL
 GOOD INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
 ACCESSORY MINERALS: LIMESTONE-03%
 EUHEDRAL GRAINS ~5%

2020 - 2024 DOLOSTONE; DARK YELLOWISH BROWN TO GRAYISH BROWN
 POROSITY: INTERGRANULAR, LOW PERMEABILITY; 90-100% ALTERED
 SUBHEDRAL
 GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
 GOOD INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX

2024 - 2030 DOLOSTONE; GRAYISH BROWN TO GRAYISH BROWN
 POROSITY: INTERGRANULAR, LOW PERMEABILITY; 90-100% ALTERED
 SUBHEDRAL
 GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
 GOOD INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
 ACCESSORY MINERALS: LIMESTONE-01%
 EUHEDRAL GRAINS ~3%

2030 TOTAL DEPTH