November 1982 Executive Summary J. L. Decker

ROMP 28X (YMCA)
S17, T37S, R30E
Floridan Aquifer Monitor
Project #20-020-5196

I. General Description

The ROMP #28X site is located near Lake Placid in south central Highlands County. The well site is located on the property of YMCA of Miami, 1/2 mile east of U.S. 27 on S. R. 29. ROMP 28X lies in the NE 1/4 of NW 1/4 of NE 1/4 of Section 17, Township 37 South, Range 30 East, at latitude 27° 15' 58.8", longitude 81° 20' 24".

II. Site Easement

ROMP 28X includes both a perpetual and a temporary construction easement for the purpose of drilling, maintaining and modifying the well for test purposes (hydrological data measurements and observation of water levels). The perpetual permanent easement of 20' X 40', granted by the YMCA of Miami, is included as part of a temporary construction easement of 100' X 100.'

III. Reasons for the Monitor

The monitor was constructed for the purpose of collecting data on fluctuations of ground water due to seasonal and long-term changes in water levels of the Highlands Ridge lakes in the Lake Placid area. Other reasons for the monitor include: the determination of the level of potentiometric surface, the effects of pumping the Floridan Aquifer from local irrigation and municipal wells, acquiring specific-capacity data, verify the upper and lower confining beds in the water bearing upper and lower units of the Floridan Aquifer, and to describe the lithology and geological formation boundaries.

IV. Geology

ROMP 28X is located on the Sunderland-Okefenokee Terrace at an elevation of approximately 104 feet above mean sea level. Its location is on the eastern edge of a north-south trending, well-drained sand ridge. The Highlands Ridge area near Lake Placid consists of surficial deposits (Plio-Pleistocene dune and coastal bar quartz sand). The surficial deposits are underlain by 12-13 thousand feet of sedimentary limestone and dolostone formations which dip in a southwesterly direction. Sinkhole lakes have developed on the Highlands Ridge and on its flanks. Evidence of faulting and fracturing, combined with the high solution potential of the limestone, suggest that most of the oval lakes in the drilling area were formed by collapse of solution openings in the underlying Floridan Aquifer.

The following geologic data were obtained from the examination of drill cuttings and the correlation of geophysical logs:

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Borehole Depth (ft. below lsd)	Name of Rock Unit
LSD - 70'?	Undifferentiated Surficial Quartz Sands= white, light orange, light grayish brown- moderate brown, intermixed with some phosphatic sand and heavy minerals; moderate high porosity and permeability; Recent and Plio-Pleistocene Age.
70' - 300'?	Upper Hawthorn= undifferentiated quartz sands & clay - white, light gray, grayish green-light grayish brown; moderate high porosity and permeability; Miocene Age.
300' - 565'	Lower Hawthorn= clay-grayish green; limestone-light olive gray-olive gray; moderate porosity, low-moderate permeability; Miocene Age.
565 - 643'	Suwannee Formation= limestone-yellowish-gray, weathered, soft, chalky; low-moderate porosity and permeability; Oligocene Age.
643' - 710'	Crystal River Formation= limestone-grayish orange; soft, chalky; fossils-foraminifera (Lagena, Nummulities, Lepidocyclina); moderate porosity, low-moderate permeability; Eocene Age.
710' - 820'	Williston Formation= limestone-very light orange-grayish orange; white; soft-medium hardness; fossils-foraminifera (Lepidocyclina, Nummulites, Operculinoides); moderate porosity, low-moderate permeability; Eocene Age.
820' - 905'	Inglis Formation= limestone-very light orange-light greenish yellow, more massive than above; fossils-foraminifera (Lepidocyclina, Nummulities, Operculinoides), echinoid fragments and spines; low-moderate porosity, low-moderate permeability; Eocene Age.
905' - 1255'	Avon Park Formation= limestone-white, light brown, light grayish brown, very light orange, soft-moderately hard, chalky; sparry crystalline calcite; dolomite-gray-dark brown crystalline; chert; fossils-foraminifera (Coskinolina floridana, Dictyoconus cookei, Nummulities, Lepidocyclina, Operculinoides), echinoids (Peronella dalli), low-moderate fracture porosity and moderate permeability; Eocene Age.

Ocala Group

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1255' - 1385' — Lake City Formation= limestone-cream-light brown; gray-light brown, brown crystalline dolomite, brown chert; clay-silty, grayish green, fossils--foraminifera(Dictyoconus Americanus); low-moderate fracture porosity and moderate permeability.

*Detailed lithologic descriptions are contained in the file for ROMP 28X.

The upper 290' appears to be almost entirely quartz sand with intermittent thin beds of limestone and clay. Within the Hawthorn, a limestone bed from approximately 335'-495' has a clay confiner above (290'-335'), and has a clay confiner below (495'-550'). Limestone beds continue from (550'-1070'). From 1070'-1385', intermittent beds of limestone and dolomitic limestone, with evidences of fracturing, were described A narrow clay confiner, noted between 1365'-1370,' may separate the upper and lower water bearing units in the Floridan Aquifer system. It is more likely that fairly hard impermeable intermittent dolomitic limestone layers (1100'-1335') are acting as a confiner between the upper and lower artesian water-bearing zones in the Floridan Aquifer.

V. Hydrologeology and Water Quality

Two monitor wells were completed at the ROMP 28X site. A water table monitor was drilled to a depth of 60' for the purpose of measuring changes in the potentiometric surface level. The deep monitor (1385'TD) was drilled mainly for the purpose of identifying and determining the extent of the water bearing units in the Floridan Aquifer.

The ROMP 28X site is at an elevation of 104 feet above msl. The surficial aquifer extended from lsd to approximately 290' below lsd. The water level in the surficial aquifer was measured at approximately 58' below lsd or approximately 46' above msl. The clay zones, within the Hawthorn formation (290'-550'), have fairly high porosity, low permeability, and act as a confiner between the surficial aquifer and the water producing zones of the Floridan Aquifer. From approximately 585'-1335' porosity decreased, but permeability varied from low-high depending upon the characteristics of the limestone and dolomitic limestone beds, (example-fracture porosity and permeability).

Below the depth of 275' water levels varied between 33'-38' below lsd during drilling operations.

Water quality during drilling operations varied mainly due to high pH values at depths of 645,'865,'1224,'1245,'1265,'1325'-1385.' Specific conductivities at these depths ranged from 790 umhos to 2300 umhos. No satisfactory explanation for the high pH values (less than 11.0) have been brought forth from professional people from University of South Florida, Florida Bureau of Geology and the District.

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With the exception of a chloride value of 37 mg/l at 645', ranges of 7-8 mg/l were recorded. Sulfates ranged from 1 mg/l to 23 mg/l.

Water quality for the shallow water table monitor at 60', indicated a specific conductance of 355 umhos, chlorides 6 mg/l and sulfates 21 mg/l.

During geophysical logging operations, specific conductivities decreased from 1600 umhos at 590', approximately 400 umhos at 1000' and then began increasing to 700-800 umhos near the bottom of the well. Further water quality sampling is recommended as water quality stratification and equilibrium occur in the well.

Flow in the surficial aquifer is probably toward the Kissimmee River Basin or in other localized directions (surrounding lakes).

Potentiometric surface level changes are due to a combination of seasonal change, local irrigation, industrial, municipal use and lake level change effects. During drilling operations, changes in the potentiometric surface between the upper and lower units of the Floridan Aquifer were noted (33'-38' below lsd).

Zones of fracture porosity, especially below 1000', were noted from the examination of drill cuttings and a caliper log.

VI. Type of Monitors

The water table monitor and the deep artesian water monitor were constructed for the purpose of defining the boundaries of the upper and lower units of the Floridan Aquifer. Observing seasonal changes and effects of withdrawal by local pumping on the potentiometric levels, determining water quality and identifying confiners and lithology of geological formations were objectives to be accomplished.

VII. Well Construction and Design

Well construction on the ROMP 28X monitor wells was completed in October, 1982. The deep monitor was drilled to a depth of 1385' and cased to the depth of 585' below lsd. The water table monitor was drilled to a depth of 60'.

The ROMP 28X wells were constructed in the following steps:

Deep Monitor

A. A 22 inch nominal borehole was drilled to 60 feet, using mud rotary drilling techniques. Sixty feet (60') of 18 inch steel casing was then seated and cement grouted from bottom to top to prevent surficial sand from closing off the borehole during the initial stages of drilling. A 17 1/2 inch drill bit was used to drill out of 18 inch steel casing to a depth of 324'. A 12 inch steel casing was set at 324' in a 18 inch

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nominal borehole and then cement grouted from bottom to top. This was also necessary for proper well construction in the sand deposits of the upper Hawthorn formation. An 11 inch nominal borehole was drilled from 324'-585'. At this point 585' of 8" PVC casing was seated and cement grouted from bottom to 3' above lsd. To complete the well, a 6 1/2" drill bit was used to drill a 7 inch nominal hole from 585' to 1385' TD.

Shallow Water Table Monitor

B. A 12 inch nominal borehole was drilled to a depth of 60'. At this depth, 60' of 4" PVC casing, with a screened interval (50'-60') was seated. The well's annulus was filled with (6-20) type sand up to depth of 40' below lsd and then cement grouted to 2 1/2' above lsd.

Drill cuttings from the deep monitor were collected every 5 feet for analysis and interpretation. After the driller converted to reverse air drilling techniques at 645' water samples were collected every 20 feet or at times designated by the on-site geologist. Water level measurements were also taken before drilling operations began in the morning.

Geophysical Logs

A suite of geophysical logs: a caliper, gamma ray, electric (spontaneous potential and resistivity), temperature (gradient) and fluid conductivity were completed with the District's geophysical logger. A suite of logs were also run by South Florida Water Management's geophysical logger. These included: a neutron, 6' lateral normal resistivity, 16" and 64" normal resistivity and fluid resistivity logs. The geophysical logs were useful in correlating porosity, lithology and geological formation boundaries with drill cuttings.

U.S.G.S. Notification

The Technical Support Section was notified in February 1983, that ROMP 28X is complete and ready for monitoring by the U. S. Geological Survey.

Definition of Formation Boundaries--SPECIAL Note

The specific definition of formations penetrated at this well site was done partially on the basis of biostratigraphic evidence and partially on the basis of lithologic evidence. Additional correlating evidence (geophysical well logs and/or hydrologic data) was also utilized in the delineation of these formation boundaries. Therefore, the chosen formational boundaries are tentative at best, according to standard stratigraphic methods.

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SIMPLIFIED LITHOLOGY

BOREHOLE DEPTH (Ft. below L.S.D.)	NAME OF ROCK UNIT
LSD - 70'	Undifferentiated Surficial Deposits
70' - 300'	Upper Hawthorn Formation
300' - 565'	Lower Hawthorn Formation
565' - 643'	Suwannee Formation
643' - 710'?	Crystal River Formation (Ocala Group)
710' - 820'?	Williston Formation (Ocala Group)
820' - 905'?	Inglis Formation (Ocala Group)
905' -1255'	Avon Park Formation
1255'- 1385'TD	Lake City Formation

JLD:wp4

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LITHOLOGIC WELL LOG PRINTOUT

SOURCE - FGS

WELL NUMBER: W- 30028
TOTAL DEPTH: 01385 FT.
277 SAMPLES FROM 0 TO 1385 FT.

COUNTY - HIGHLANDS ~~HILLSBOROUGH~~
LOCATION: T.37S R.30E S.17 A
LAT = N 27D 15M 89
LON = W 81D 20M 24

COMPLETION DATE - 10/27/82
ELEVATION - 104 FT
OTHER TYPES OF LOGS AVAILABLE - ELECTRIC, GAMMA, TEMPERATURE, NEUTRON

OWNER/DRILLER: SWFWMD ROMP 28X ; J.D. HOLLAND; PROJECT # 20-020-5196
OWNER/DRILLER: (FY82)(LAKE PLACID)

WORKED BY: JOHN L. DECKER 11/4/82 EXCELLENT 090 UDSC/124LKCT
ENTERED BY RICHARD GREEN 12\90 FROM GEOLOGIST'S LOG.

0. -	70.	UNDIFFERENTIATED SAND AND CLAY
70. -	565.	HAWTHORN GROUP
565. -	635.	SUWANNEE LIMESTONE
635. -	710.	CRYSTAL RIVER FM.
710. -	820.	WILLISTON FM. } Ocala Group
820. -	905.	INGLIS FM.
905. -	1255.	AVON PARK FM. } Avon Park Fm
1255. -	.	LAKE CITY LIMESTONE

0 - 5 SAND; VERY LIGHT ORANGE; 35% POROSITY, INTERGRANULAR, POSSIBLY HIGH PERMEABILITY;
GRAIN SIZE: MEDIUM; RANGE: FINE TO MEDIUM;
ROUNDNESS: SUB-ANGULAR TO ROUNDED; HIGH SPHERICITY; UNCONSOLIDATED;
ACCESSORY MINERALS: IRON STAIN- %;
OTHER FEATURES: FROSTED, GRANULAR;

5 - 10 SAND; WHITE; 35% POROSITY, INTERGRANULAR, POSSIBLY HIGH PERMEABILITY;
GRAIN SIZE: MEDIUM; RANGE: FINE TO MEDIUM;
ROUNDNESS:SUB-ANGULAR; HIGH SPHERICITY; UNCONSOLIDATED;
ACCESSORY MINERALS: HEAVY MINERALS-01%;
OTHER FEATURES: FROSTED, GRANULAR;

10 - 15 SAND; WHITE; 35% POROSITY, INTERGRANULAR, POSSIBLY HIGH PERMEABILITY;
GRAIN SIZE: MEDIUM; RANGE: FINE TO MEDIUM;
ROUNDNESS: SUB-ANGULAR TO ROUNDED; HIGH SPHERICITY; UNCONSOLIDATED;
ACCESSORY MINERALS: HEAVY MINERALS-02%, IRON STAIN- %;
OTHER FEATURES: FROSTED, GRANULAR;

15 - 20 SAND; WHITE; 35% POROSITY, POSSIBLY HIGH PERMEABILITY, INTERGRANULAR;
GRAIN SIZE: MEDIUM; RANGE: FINE TO MEDIUM;
ROUNDNESS:SUB-ANGULAR; HIGH SPHERICITY; UNCONSOLIDATED;
ACCESSORY MINERALS: HEAVY MINERALS-02%, IRON STAIN- %;
OTHER FEATURES: FROSTED, GRANULAR;

20 - 25 SAND; LIGHT GRAYISH BROWN; 35% POROSITY, POSSIBLY HIGH PERMEABILITY, INTERGRANULAR;
GRAIN SIZE: MEDIUM; RANGE: FINE TO MEDIUM;
ROUNDNESS: ROUNDED TO SUB-ANGULAR; HIGH SPHERICITY; UNCONSOLIDATED;
ACCESSORY MINERALS: HEAVY MINERALS-01%, PHOSPHATIC SAND-01%, IRON STAIN- %;
OTHER FEATURES: FROSTED, GRANULAR;

25 - 30 SAND; GRAYISH BROWN; 35% POROSITY, POSSIBLY HIGH PERMEABILITY, INTERGRANULAR;
GRAIN SIZE: MEDIUM; RANGE: COARSE TO FINE;
ROUNDNESS: SUB-ANGULAR TO ROUNDED; HIGH SPHERICITY; UNCONSOLIDATED;
ACCESSORY MINERALS: PHOSPHATIC SAND-01%, IRON STAIN- %;
OTHER FEATURES: FROSTED, GRANULAR;

30 - 35 AS ABOVE

35 - 40 SAND; LIGHT GRAYISH BROWN; 35% POROSITY, POSSIBLY HIGH PERMEABILITY, INTERGRANULAR;
GRAIN SIZE: MEDIUM; RANGE: FINE TO MEDIUM;
ROUNDNESS: SUB-ANGULAR TO ROUNDED; HIGH SPHERICITY; UNCONSOLIDATED;
ACCESSORY MINERALS: HEAVY MINERALS-01%, PHOSPHATIC SAND- %;
OTHER FEATURES: FROSTED, GRANULAR;

40 - 45 SAND; MODERATE BROWN; 35% POROSITY, POSSIBLY HIGH PERMEABILITY, INTERGRANULAR;
GRAIN SIZE: MEDIUM; RANGE: FINE TO MEDIUM;
ROUNDNESS: SUB-ANGULAR TO ROUNDED; HIGH SPHERICITY; UNCONSOLIDATED;
ACCESSORY MINERALS: HEAVY MINERALS-01%, IRON STAIN- %;
OTHER FEATURES: GRANULAR, FROSTED;

45 - 50 SAND; MODERATE BROWN; 35% POROSITY, POSSIBLY HIGH PERMEABILITY, INTERGRANULAR;
GRAIN SIZE: MEDIUM; RANGE: FINE TO MEDIUM;
ROUNDNESS: SUB-ANGULAR TO ROUNDED; HIGH SPHERICITY; UNCONSOLIDATED;
ACCESSORY MINERALS: HEAVY MINERALS-01%, IRON STAIN- %;
OTHER FEATURES: FROSTED, GRANULAR;

50 - 55 SAND; LIGHT BROWN; 35% POROSITY, POSSIBLY HIGH PERMEABILITY, INTERGRANULAR;
GRAIN SIZE: MEDIUM; RANGE: FINE TO MEDIUM;
ROUNDNESS: SUB-ANGULAR TO ROUNDED; HIGH SPHERICITY; UNCONSOLIDATED;
ACCESSORY MINERALS: HEAVY MINERALS- %, PHOSPHATIC SAND- %, IRON STAIN- %;
OTHER FEATURES: FROSTED, GRANULAR;

55 - 60 SAND; LIGHT BROWN; 35% POROSITY, POSSIBLY HIGH PERMEABILITY, INTERGRANULAR;
GRAIN SIZE: MEDIUM; RANGE: FINE TO MEDIUM;
ROUNDNESS: SUB-ANGULAR TO ROUNDED; HIGH SPHERICITY; UNCONSOLIDATED;
ACCESSORY MINERALS: HEAVY MINERALS- %, PHOSPHATIC SAND- %, IRON STAIN- %;
OTHER FEATURES: FROSTED, GRANULAR;

60 - 65 SAND; BROWNISH GRAY; 35% POROSITY, POSSIBLY HIGH PERMEABILITY, INTERGRANULAR;
GRAIN SIZE: MEDIUM; RANGE: FINE TO MEDIUM;
ROUNDNESS: SUB-ANGULAR TO ROUNDED; HIGH SPHERICITY; UNCONSOLIDATED;
ACCESSORY MINERALS: HEAVY MINERALS- %, PHOSPHATIC SAND- %;
OTHER FEATURES: FROSTED, GRANULAR;

65 - 70 SAND; BROWNISH GRAY; 35% POROSITY, POSSIBLY HIGH PERMEABILITY, INTERGRANULAR;
GRAIN SIZE: FINE; RANGE: FINE TO MEDIUM;
ROUNDNESS: SUB-ANGULAR TO ROUNDED; MEDIUM SPHERICITY; UNCONSOLIDATED;
ACCESSORY MINERALS: HEAVY MINERALS- %, PHOSPHATIC SAND- %, IRON STAIN- %;
OTHER FEATURES: FROSTED, GRANULAR;

70 - 75 SAND; BROWNISH GRAY; 35% POROSITY, POSSIBLY HIGH PERMEABILITY, INTERGRANULAR;
GRAIN SIZE: MEDIUM; RANGE: COARSE TO FINE;
ROUNDNESS: SUB-ANGULAR TO ROUNDED; HIGH SPHERICITY; UNCONSOLIDATED;
ACCESSORY MINERALS: LIMESTONE- %, PHOSPHATIC SAND- %;
OTHER FEATURES: FROSTED, GRANULAR;

75 - 80 SAND; BROWNISH GRAY; 35% POROSITY, POSSIBLY HIGH PERMEABILITY, INTERGRANULAR;
GRAIN SIZE: MEDIUM; RANGE: FINE TO MEDIUM;
ROUNDNESS: SUB-ANGULAR TO ROUNDED; MEDIUM SPHERICITY; UNCONSOLIDATED;
ACCESSORY MINERALS: LIMESTONE- %, PHOSPHATIC SAND- %;
OTHER FEATURES: FROSTED, GRANULAR;

80 - 85 SAND; LIGHT GRAY; 35% POROSITY, POSSIBLY HIGH PERMEABILITY, INTERGRANULAR;
GRAIN SIZE: MEDIUM; RANGE: COARSE TO FINE;
ROUNDNESS: SUB-ANGULAR TO ROUNDED; HIGH SPHERICITY; UNCONSOLIDATED;
ACCESSORY MINERALS: IRON STAIN- %, PHOSPHATIC SAND- %;
OTHER FEATURES: FROSTED, GRANULAR;

85 - 90 SAND; LIGHT GRAY; 35% POROSITY, POSSIBLY HIGH PERMEABILITY, INTERGRANULAR;
GRAIN SIZE: MEDIUM; RANGE: COARSE TO FINE;
ROUNDNESS: SUB-ANGULAR TO ROUNDED; HIGH SPHERICITY; UNCONSOLIDATED;
ACCESSORY MINERALS: IRON STAIN- %, PHOSPHATIC SAND- %;
OTHER FEATURES: FROSTED, GRANULAR;

90 - 95 SAND; WHITE; 35% POROSITY, POSSIBLY HIGH PERMEABILITY, INTERGRANULAR;
GRAIN SIZE: MEDIUM; RANGE: COARSE TO FINE;
ROUNDNESS: SUB-ANGULAR TO ROUNDED; HIGH SPHERICITY; UNCONSOLIDATED;
ACCESSORY MINERALS: IRON STAIN- %, PHOSPHATIC SAND- %;
OTHER FEATURES: FROSTED, GRANULAR;

95 - 100 SAND; VERY LIGHT GRAY TO LIGHT YELLOWISH ORANGE; OY% POROSITY, INTERGRANULAR;
GRAIN SIZE: MEDIUM; RANGE: COARSE TO FINE;
ROUNDNESS: SUB-ANGULAR TO ROUNDED; HIGH SPHERICITY; UNCONSOLIDATED;
ACCESSORY MINERALS: IRON STAIN- %, PHOSPHATIC SAND- %;
OTHER FEATURES: FROSTED, GRANULAR;

100 - 105 SAND; VERY LIGHT GRAY; 35% POROSITY, POSSIBLY HIGH PERMEABILITY, INTERGRANULAR;
GRAIN SIZE: MEDIUM; RANGE: COARSE TO FINE;
ROUNDNESS: SUB-ANGULAR TO ROUNDED; MEDIUM SPHERICITY; UNCONSOLIDATED;
ACCESSORY MINERALS: IRON STAIN- %, PHOSPHATIC SAND- %;
OTHER FEATURES: FROSTED, GRANULAR;

105 - 110 SAND; WHITE; 35% POROSITY, POSSIBLY HIGH PERMEABILITY, INTERGRANULAR;
GRAIN SIZE: MEDIUM; RANGE: COARSE TO FINE;
ROUNDNESS: SUB-ANGULAR TO ROUNDED; MEDIUM SPHERICITY; UNCONSOLIDATED;
ACCESSORY MINERALS: LIMESTONE- %, PHOSPHATIC SAND- %, IRON STAIN- %;
OTHER FEATURES: GRANULAR, FROSTED;

110 - 115 SAND; VERY LIGHT GRAY; 35% POROSITY, POSSIBLY HIGH PERMEABILITY, INTERGRANULAR;
GRAIN SIZE: MEDIUM; RANGE: COARSE TO FINE;
ROUNDNESS: ROUNDED TO SUB-ANGULAR; MEDIUM SPHERICITY; UNCONSOLIDATED;
ACCESSORY MINERALS: IRON STAIN- %, PHOSPHATIC SAND-01%;
OTHER FEATURES: FROSTED, GRANULAR;

115 - 120 SAND; VERY LIGHT GRAY; 35% POROSITY, POSSIBLY HIGH PERMEABILITY, INTERGRANULAR;
GRAIN SIZE: COARSE; RANGE: COARSE TO FINE;
ROUNDNESS: SUB-ANGULAR TO ROUNDED; MEDIUM SPHERICITY; UNCONSOLIDATED;
ACCESSORY MINERALS: IRON STAIN- %, PHOSPHATIC SAND-01%;
OTHER FEATURES: FROSTED, GRANULAR;

120 - 125 SAND; VERY LIGHT GRAY; 35% POROSITY, POSSIBLY HIGH PERMEABILITY, INTERGRANULAR;
GRAIN SIZE: COARSE; RANGE: COARSE TO FINE;
ROUNDNESS: ROUNDED TO SUB-ANGULAR; MEDIUM SPHERICITY; UNCONSOLIDATED;
ACCESSORY MINERALS: PHOSPHATIC SAND- %, IRON STAIN- %;
OTHER FEATURES: FROSTED, GRANULAR;

125 - 130 SAND; VERY LIGHT GRAY; 35% POROSITY, POSSIBLY HIGH PERMEABILITY, INTERGRANULAR;
GRAIN SIZE: COARSE; RANGE: COARSE TO FINE;
ROUNDNESS: SUB-ANGULAR TO ROUNDED; MEDIUM SPHERICITY; UNCONSOLIDATED;
ACCESSORY MINERALS: PHOSPHATIC SAND- %, IRON STAIN- %;
OTHER FEATURES: FROSTED, GRANULAR;

130 - 135 SAND; VERY LIGHT GRAY; 35% POROSITY, POSSIBLY HIGH PERMEABILITY, INTERGRANULAR;
GRAIN SIZE: COARSE; RANGE: COARSE TO MEDIUM;
ROUNDNESS: SUB-ANGULAR TO ROUNDED; MEDIUM SPHERICITY; UNCONSOLIDATED;
ACCESSORY MINERALS: PHOSPHATIC SAND- %, IRON STAIN- %;
OTHER FEATURES: FROSTED, GRANULAR;

135 - 140 SAND; VERY LIGHT GRAY; 35% POROSITY, POSSIBLY HIGH PERMEABILITY, INTERGRANULAR;
GRAIN SIZE: COARSE; RANGE: COARSE TO MEDIUM;
ROUNDNESS: ROUNDED TO SUB-ANGULAR; MEDIUM SPHERICITY; UNCONSOLIDATED;
ACCESSORY MINERALS: PHOSPHATIC SAND- %, IRON STAIN- %;
OTHER FEATURES: FROSTED, GRANULAR;

140 - 145 SAND; LIGHT GRAY; 35% POROSITY, POSSIBLY HIGH PERMEABILITY, INTERGRANULAR;
GRAIN SIZE: COARSE; RANGE: COARSE TO MEDIUM;
ROUNDNESS: ROUNDED TO SUB-ANGULAR; MEDIUM SPHERICITY; UNCONSOLIDATED;
ACCESSORY MINERALS: PHOSPHATIC SAND-01%, IRON STAIN- %;
OTHER FEATURES: FROSTED, GRANULAR;

145 - 150 SAND; VERY LIGHT GRAY; 35% POROSITY, POSSIBLY HIGH PERMEABILITY, INTERGRANULAR;
GRAIN SIZE: COARSE; RANGE: COARSE TO FINE;
ROUNDNESS: ROUNDED TO SUB-ANGULAR; MEDIUM SPHERICITY; UNCONSOLIDATED;
ACCESSORY MINERALS: PHOSPHATIC SAND- %, IRON STAIN- %;
OTHER FEATURES: FROSTED, GRANULAR;

150 - 155 SAND; LIGHT GRAY; 35% POROSITY, POSSIBLY HIGH PERMEABILITY, INTERGRANULAR;
GRAIN SIZE: COARSE; RANGE: COARSE TO MEDIUM;
ROUNDNESS: SUB-ANGULAR TO ROUNDED; MEDIUM SPHERICITY; UNCONSOLIDATED;
ACCESSORY MINERALS: PHOSPHATIC GRAVEL- %, PHOSPHATIC SAND- %, IRON STAIN- %,
LIMESTONE- %;
OTHER FEATURES: FROSTED, GRANULAR;

155 - 160 SAND; LIGHT GRAY; 35% POROSITY, POSSIBLY HIGH PERMEABILITY, INTERGRANULAR;
GRAIN SIZE: COARSE; RANGE: COARSE TO MEDIUM;
ROUNDNESS: SUB-ANGULAR TO ROUNDED; MEDIUM SPHERICITY; UNCONSOLIDATED;
ACCESSORY MINERALS: PHOSPHATIC SAND- %, IRON STAIN- %;
OTHER FEATURES: FROSTED, GRANULAR;

160 - 165 SAND; LIGHT GRAY; 35% POROSITY, POSSIBLY HIGH PERMEABILITY, INTERGRANULAR;
GRAIN SIZE: COARSE; RANGE: COARSE TO MEDIUM;
ROUNDNESS: ROUNDED TO SUB-ANGULAR; MEDIUM SPHERICITY; UNCONSOLIDATED;
ACCESSORY MINERALS: PHOSPHATIC SAND- %, IRON STAIN- %;
OTHER FEATURES: FROSTED, GRANULAR;

165 - 170 SAND; LIGHT GRAY; 35% POROSITY, POSSIBLY HIGH PERMEABILITY, INTERGRANULAR;
GRAIN SIZE: COARSE; RANGE: COARSE TO FINE;
ROUNDNESS: ROUNDED TO SUB-ANGULAR; MEDIUM SPHERICITY; UNCONSOLIDATED;
ACCESSORY MINERALS: PHOSPHATIC SAND- %, IRON STAIN- %;
OTHER FEATURES: FROSTED, GRANULAR;

170 - 175 SAND; LIGHT GRAY; 35% POROSITY, POSSIBLY HIGH PERMEABILITY, INTERGRANULAR;
GRAIN SIZE: COARSE; RANGE: COARSE TO FINE;
ROUNDNESS: SUB-ANGULAR TO ROUNDED; MEDIUM SPHERICITY; UNCONSOLIDATED;
ACCESSORY MINERALS: PHOSPHATIC SAND- %, IRON STAIN- %, LIMESTONE- %;
OTHER FEATURES: FROSTED, GRANULAR;

175 - 180 SAND; LIGHT GRAY; 35% POROSITY, POSSIBLY HIGH PERMEABILITY, INTERGRANULAR;
GRAIN SIZE: COARSE; RANGE: COARSE TO FINE;
ROUNDNESS: SUB-ANGULAR TO ROUNDED; MEDIUM SPHERICITY; UNCONSOLIDATED;
ACCESSORY MINERALS: PHOSPHATIC SAND- %, IRON STAIN- %, LIMESTONE- %;
OTHER FEATURES: FROSTED, GRANULAR;

180 - 185 SAND; LIGHT GRAY; 35% POROSITY, POSSIBLY HIGH PERMEABILITY, INTERGRANULAR;
GRAIN SIZE: COARSE; RANGE: COARSE TO FINE;
ROUNDNESS: SUB-ANGULAR TO ROUNDED; MEDIUM SPHERICITY; UNCONSOLIDATED;
ACCESSORY MINERALS: PHOSPHATIC SAND- %, IRON STAIN- %, LIMESTONE- %;
OTHER FEATURES: FROSTED, GRANULAR;

185 - 190 SAND; VERY LIGHT GRAY; 35% POROSITY, POSSIBLY HIGH PERMEABILITY, INTERGRANULAR, INTERGRANULAR;
GRAIN SIZE: MEDIUM; RANGE: COARSE TO FINE;
ROUNDNESS: SUB-ANGULAR TO ROUNDED; MEDIUM SPHERICITY; UNCONSOLIDATED;
ACCESSORY MINERALS: PHOSPHATIC SAND- %, IRON STAIN- %, LIMESTONE- %;
OTHER FEATURES: FROSTED, GRANULAR;

190 - 195 SAND; VERY LIGHT GRAY; 35% POROSITY, POSSIBLY HIGH PERMEABILITY, INTERGRANULAR;
GRAIN SIZE: MEDIUM; RANGE: COARSE TO FINE;
ROUNDNESS: SUB-ANGULAR TO ROUNDED; MEDIUM SPHERICITY; UNCONSOLIDATED;
ACCESSORY MINERALS: PHOSPHATIC SAND- %, IRON STAIN- %;
OTHER FEATURES: FROSTED, GRANULAR;

195 - 200 SAND; VERY LIGHT GRAY; 35% POROSITY, POSSIBLY HIGH PERMEABILITY, INTERGRANULAR;
GRAIN SIZE: MEDIUM; RANGE: COARSE TO FINE;
ROUNDNESS: SUB-ANGULAR TO ROUNDED; MEDIUM SPHERICITY; UNCONSOLIDATED;
ACCESSORY MINERALS: PHOSPHATIC SAND- %, IRON STAIN- %, LIMESTONE- %;
OTHER FEATURES: FROSTED, GRANULAR;

200 - 205 SAND; VERY LIGHT GRAY; 35% POROSITY, POSSIBLY HIGH PERMEABILITY, INTERGRANULAR;
GRAIN SIZE: COARSE; RANGE: COARSE TO FINE;
ROUNDNESS: ROUNDED TO SUB-ANGULAR; MEDIUM SPHERICITY; UNCONSOLIDATED;
ACCESSORY MINERALS: PHOSPHATIC SAND- %;
OTHER FEATURES: FROSTED, GRANULAR;

205 - 210 SAND; WHITE; 35% POROSITY, POSSIBLY HIGH PERMEABILITY, INTERGRANULAR;
GRAIN SIZE: COARSE; RANGE: COARSE TO FINE;
ROUNDNESS: ROUNDED TO SUB-ANGULAR; MEDIUM SPHERICITY; UNCONSOLIDATED;
ACCESSORY MINERALS: PHOSPHATIC GRAVEL- %, PHOSPHATIC SAND- %, IRON STAIN- %, SPAR- %;
OTHER FEATURES: GRANULAR, MEDIUM RECRYSTALLIZATION, FROSTED;
FOSSILS: MOLLUSKS;

210 - 220 SAND; VERY LIGHT GRAY; 35% POROSITY, POSSIBLY HIGH PERMEABILITY, INTERGRANULAR;
GRAIN SIZE: FINE; RANGE: MEDIUM TO FINE;
ROUNDNESS: SUB-ANGULAR TO ROUNDED; MEDIUM SPHERICITY; UNCONSOLIDATED;
ACCESSORY MINERALS: PHOSPHATIC SAND- %;
OTHER FEATURES: FROSTED, GRANULAR;

220 - 225 SAND; VERY LIGHT GRAY; 35% POROSITY, POSSIBLY HIGH PERMEABILITY, INTERGRANULAR;
GRAIN SIZE: FINE; RANGE: MEDIUM TO FINE;
ROUNDNESS: ROUNDED TO SUB-ANGULAR; MEDIUM SPHERICITY; UNCONSOLIDATED;
ACCESSORY MINERALS: PHOSPHATIC SAND- %;
OTHER FEATURES: FROSTED, GRANULAR;

225 - 230 SAND; VERY LIGHT GRAY; 35% POROSITY, POSSIBLY HIGH PERMEABILITY, INTERGRANULAR;
GRAIN SIZE: FINE; RANGE: COARSE TO FINE;
ROUNDNESS: SUB-ANGULAR TO ROUNDED; MEDIUM SPHERICITY; UNCONSOLIDATED;
ACCESSORY MINERALS: PHOSPHATIC SAND- %, IRON STAIN- %;
OTHER FEATURES: FROSTED, GRANULAR;

230 - 235 SAND; WHITE; 35% POROSITY, POSSIBLY HIGH PERMEABILITY, INTERGRANULAR;
GRAIN SIZE: FINE; RANGE: COARSE TO FINE;
ROUNDNESS: SUB-ANGULAR TO ROUNDED; MEDIUM SPHERICITY; UNCONSOLIDATED;
ACCESSORY MINERALS: PHOSPHATIC SAND- %, IRON STAIN- %;
OTHER FEATURES: FROSTED, GRANULAR;

235 - 240 SAND; LIGHT GRAYISH BROWN; 35% POROSITY, POSSIBLY HIGH PERMEABILITY, INTERGRANULAR;
GRAIN SIZE: FINE; RANGE: COARSE TO FINE;
ROUNDNESS: SUB-ANGULAR TO ROUNDED; MEDIUM SPHERICITY; UNCONSOLIDATED;
ACCESSORY MINERALS: PHOSPHATIC SAND- %, LIMESTONE- %, SPAR- %;
OTHER FEATURES: GRANULAR, MEDIUM RECRYSTALLIZATION, FROSTED;
FOSSILS: MOLLUSKS, PLANT REMAINS;

240 - 245 SAND; VERY LIGHT GRAY; 35% POROSITY, POSSIBLY HIGH PERMEABILITY, INTERGRANULAR;
GRAIN SIZE: FINE; RANGE: COARSE TO FINE;
ROUNDNESS: SUB-ANGULAR TO ROUNDED; MEDIUM SPHERICITY; UNCONSOLIDATED;
ACCESSORY MINERALS: PHOSPHATIC SAND- %, IRON STAIN- %, LIMESTONE- %;
OTHER FEATURES: FROSTED, GRANULAR;

245 - 250 SAND; VERY LIGHT GRAY; 35% POROSITY, POSSIBLY HIGH PERMEABILITY, INTERGRANULAR;
GRAIN SIZE: FINE; RANGE: COARSE TO FINE;
ROUNDNESS: SUB-ANGULAR TO ROUNDED; MEDIUM SPHERICITY; UNCONSOLIDATED;
ACCESSORY MINERALS: PHOSPHATIC SAND- %, IRON STAIN- %;
OTHER FEATURES: FROSTED, GRANULAR;

250 - 255 SAND; VERY LIGHT GRAY; 35% POROSITY, POSSIBLY HIGH PERMEABILITY, INTERGRANULAR;
GRAIN SIZE: FINE; RANGE: COARSE TO FINE;
ROUNDNESS: SUB-ANGULAR TO ROUNDED; MEDIUM SPHERICITY; UNCONSOLIDATED;
ACCESSORY MINERALS: PHOSPHATIC SAND- %;
OTHER FEATURES: FROSTED, GRANULAR;
FOSSILS: MOLLUSKS;

255 - 260 SAND; VERY LIGHT GRAY; 35% POROSITY, POSSIBLY HIGH PERMEABILITY, INTERGRANULAR;
GRAIN SIZE: FINE; RANGE: COARSE TO FINE;
ROUNDNESS: ROUNDED TO SUB-ANGULAR; MEDIUM SPHERICITY; UNCONSOLIDATED;
ACCESSORY MINERALS: PHOSPHATIC SAND- %, IRON STAIN- %;
OTHER FEATURES: FROSTED, GRANULAR;

260 - 265 SAND; VERY LIGHT GRAY; 35% POROSITY, POSSIBLY HIGH PERMEABILITY, INTERGRANULAR;
GRAIN SIZE: FINE; RANGE: COARSE TO FINE;
ROUNDNESS: SUB-ANGULAR TO ROUNDED; MEDIUM SPHERICITY; UNCONSOLIDATED;
ACCESSORY MINERALS: PHOSPHATIC SAND- %;
OTHER FEATURES: FROSTED, GRANULAR;

265 - 270 SAND; VERY LIGHT GRAY; 35% POROSITY, POSSIBLY HIGH PERMEABILITY, INTERGRANULAR;
GRAIN SIZE: FINE; RANGE: COARSE TO FINE;
ROUNDNESS: SUB-ANGULAR TO ROUNDED; MEDIUM SPHERICITY; UNCONSOLIDATED;
ACCESSORY MINERALS: PHOSPHATIC SAND- %, IRON STAIN- %, LIMESTONE- %;
OTHER FEATURES: FROSTED, GRANULAR;

270 - 275 SAND; LIGHT GRAYISH BROWN; 20% POROSITY, LOW PERMEABILITY, INTERGRANULAR;
GRAIN SIZE: FINE; RANGE: MICROCRYSTALLINE TO MEDIUM;
ROUNDNESS: SUB-ANGULAR TO ROUNDED; MEDIUM SPHERICITY; POOR INDURATION;
CEMENT TYPE(S): CLAY MATRIX;
ACCESSORY MINERALS: PHOSPHATIC SAND- %, CLAY- %;
OTHER FEATURES: FROSTED, GRANULAR;

275 - 280 SAND; VERY LIGHT GRAY; 25% POROSITY, POSSIBLY HIGH PERMEABILITY, INTERGRANULAR;
GRAIN SIZE: FINE; RANGE: MEDIUM TO FINE;
ROUNDNESS: SUB-ANGULAR TO ROUNDED; MEDIUM SPHERICITY; UNCONSOLIDATED;
ACCESSORY MINERALS: PHOSPHATIC SAND- %;
OTHER FEATURES: FROSTED, GRANULAR;

280 - 285 SAND; VERY LIGHT GRAY; 35% POROSITY, POSSIBLY HIGH PERMEABILITY, INTERGRANULAR;
GRAIN SIZE: FINE; RANGE: MEDIUM TO FINE;
ROUNDNESS: SUB-ANGULAR TO ROUNDED; MEDIUM SPHERICITY; UNCONSOLIDATED;
ACCESSORY MINERALS: PHOSPHATIC SAND- %, IRON STAIN- %;
OTHER FEATURES: FROSTED, GRANULAR;

285 - 290 SAND; VERY LIGHT GRAY; 35% POROSITY, POSSIBLY HIGH PERMEABILITY, INTERGRANULAR;
GRAIN SIZE: FINE; RANGE: MEDIUM TO FINE;
ROUNDNESS: SUB-ANGULAR TO ROUNDED; MEDIUM SPHERICITY; UNCONSOLIDATED;
ACCESSORY MINERALS: PHOSPHATIC SAND-03%, IRON STAIN- %;
OTHER FEATURES: FROSTED, GRANULAR;

290 - 295 SAND; LIGHT GRAY; 35% POROSITY, POSSIBLY HIGH PERMEABILITY, INTERGRANULAR;
GRAIN SIZE: FINE; RANGE: MEDIUM TO FINE;
ROUNDNESS: SUB-ANGULAR TO ROUNDED; MEDIUM SPHERICITY; UNCONSOLIDATED;
ACCESSORY MINERALS: PHOSPHATIC SAND-05%, IRON STAIN- %;
OTHER FEATURES: FROSTED, GRANULAR;

295 - 300 SAND; LIGHT GRAYISH GREEN; 32% POROSITY, LOW PERMEABILITY, INTERGRANULAR;
GRAIN SIZE: FINE; RANGE: MICROCRYSTALLINE TO MEDIUM;
ROUNDNESS: SUB-ANGULAR TO ROUNDED; MEDIUM SPHERICITY; UNCONSOLIDATED;
CEMENT TYPE(S): CLAY MATRIX;
ACCESSORY MINERALS: PHOSPHATIC SAND-07%, PHOSPHATIC GRAVEL-01%, CLAY- %;
OTHER FEATURES: FROSTED, GRANULAR, CALCAREOUS;

300 - 305 SAND; DARK GRAYISH GREEN; 15% POROSITY, LOW PERMEABILITY, INTERGRANULAR;
GRAIN SIZE: FINE; RANGE: MICROCRYSTALLINE TO MEDIUM;
ROUNDNESS: SUB-ANGULAR TO ROUNDED; MEDIUM SPHERICITY; POOR INDURATION;
CEMENT TYPE(S): CLAY MATRIX;
ACCESSORY MINERALS: PHOSPHATIC SAND- %, CLAY- %;
OTHER FEATURES: FROSTED, GRANULAR, CALCAREOUS;

305 - 310 SAND; GREENISH GRAY; 25% POROSITY, POSSIBLY HIGH PERMEABILITY, INTERGRANULAR;
GRAIN SIZE: FINE; RANGE: FINE TO MEDIUM;
ROUNDNESS: SUB-ANGULAR TO ROUNDED; MEDIUM SPHERICITY; POOR INDURATION;
CEMENT TYPE(S): CLAY MATRIX;
ACCESSORY MINERALS: PHOSPHATIC SAND- %, IRON STAIN- %, CLAY- %;
OTHER FEATURES: FROSTED, GRANULAR, CALCAREOUS;

310 - 315 SAND; GREENISH GRAY; 25% POROSITY, POSSIBLY HIGH PERMEABILITY, INTERGRANULAR;
GRAIN SIZE: FINE; RANGE: FINE TO MEDIUM;
ROUNDNESS: SUB-ANGULAR TO ROUNDED; MEDIUM SPHERICITY; POOR INDURATION;
CEMENT TYPE(S): CLAY MATRIX;
ACCESSORY MINERALS: PHOSPHATIC SAND-03%, PHOSPHATIC GRAVEL-01%, CLAY- %;
OTHER FEATURES: FROSTED, GRANULAR, CALCAREOUS;
FOSSILS: MOLLUSKS;

315 - 320 SAND; GREENISH GRAY; 25% POROSITY, POSSIBLY HIGH PERMEABILITY, INTERGRANULAR;
GRAIN SIZE: FINE; RANGE: FINE TO MEDIUM;
ROUNDNESS: SUB-ANGULAR TO ROUNDED; MEDIUM SPHERICITY; POOR INDURATION;
CEMENT TYPE(S): CLAY MATRIX;
ACCESSORY MINERALS: PHOSPHATIC SAND-03%, PHOSPHATIC GRAVEL-01%, CLAY- %;
OTHER FEATURES: FROSTED, GRANULAR, CALCAREOUS;

320 - 325 CLAY; GRAYISH GREEN; LOW PERMEABILITY, INTERGRANULAR; POOR INDURATION;
CEMENT TYPE(S): CLAY MATRIX;
SEDIMENTARY STRUCTURES: INTERBEDDED,
ACCESSORY MINERALS: PHOSPHATIC SAND-07%, PHOSPHATIC GRAVEL-01%, LIMESTONE- %;
OTHER FEATURES: CALCAREOUS, GRANULAR;

325 - 330 CLAY; GRAYISH GREEN; LOW PERMEABILITY, INTERGRANULAR; POOR INDURATION;
CEMENT TYPE(S): CLAY MATRIX;
SEDIMENTARY STRUCTURES: INTERBEDDED,
ACCESSORY MINERALS: PHOSPHATIC SAND-07%, LIMESTONE- %, QUARTZ SAND- %;
OTHER FEATURES: CALCAREOUS, GRANULAR;

330 - 335 CLAY; LIGHT GREEN; LOW PERMEABILITY, INTERGRANULAR; POOR INDURATION;
CEMENT TYPE(S): CLAY MATRIX;
SEDIMENTARY STRUCTURES: INTERBEDDED,
ACCESSORY MINERALS: PHOSPHATIC SAND-07%, PHOSPHATIC GRAVEL-03%, QUARTZ SAND- %,
LIMESTONE- %;
OTHER FEATURES: CALCAREOUS, GRANULAR;
FOSSILS: ORGANICS;

335 - 340 AS ABOVE

340 - 345 AS ABOVE

345 - 350 CLAY; WHITE TO LIGHT GREEN; LOW PERMEABILITY, INTERGRANULAR; POOR INDURATION;
CEMENT TYPE(S): CLAY MATRIX;
SEDIMENTARY STRUCTURES: INTERBEDDED,
ACCESSORY MINERALS: PHOSPHATIC SAND-07%, PHOSPHATIC GRAVEL-03%, QUARTZ SAND- %,
LIMESTONE- %;
OTHER FEATURES: CALCAREOUS, GRANULAR;
FOSSILS: ORGANICS;

350 - 355 NO SAMPLES

355 - 360 CLAY; WHITE TO LIGHT GREEN; LOW PERMEABILITY, INTERGRANULAR; POOR INDURATION;
CEMENT TYPE(S): CLAY MATRIX;
SEDIMENTARY STRUCTURES: INTERBEDDED,
ACCESSORY MINERALS: PHOSPHATIC SAND-10%, QUARTZ SAND- %, DOLOMITE- %, LIMESTONE- %;
OTHER FEATURES: CALCAREOUS, GRANULAR;
FOSSILS: FOSSIL FRAGMENTS, ORGANICS;

360 - 365 CLAY; WHITE TO LIGHT GREEN; INTERGRANULAR, LOW PERMEABILITY; POOR INDURATION;
CEMENT TYPE(S): CLAY MATRIX, CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: INTERBEDDED,
ACCESSORY MINERALS: PHOSPHATIC SAND-07%, PHOSPHATIC GRAVEL-05%, LIMESTONE- %,
QUARTZ SAND- %;
OTHER FEATURES: CALCAREOUS, GRANULAR;

365 - 370 LIMESTONE; WHITE; INTERGRANULAR, LOW PERMEABILITY;
GRAIN TYPE: CALCILUTITE, CRYSTALS;
GRAIN SIZE: VERY FINE; RANGE: FINE TO MICROCRYSTALLINE; POOR INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: INTERBEDDED,
ACCESSORY MINERALS: PHOSPHATIC SAND-07%, PHOSPHATIC GRAVEL-07%, CLAY-40%, DOLOMITE- %;
OTHER FEATURES: CALCAREOUS, GRANULAR;

370 - 375 NO SAMPLES

375 - 380 LIMESTONE; WHITE; INTERGRANULAR, POSSIBLY HIGH PERMEABILITY, FRACTURE;
GRAIN TYPE: CALCILUTITE, CRYSTALS;
GRAIN SIZE: VERY FINE; RANGE: FINE TO MICROCRYSTALLINE; POOR INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: INTERBEDDED,
ACCESSORY MINERALS: PHOSPHATIC SAND-03%, PHOSPHATIC GRAVEL-40%, CLAY-10%, DOLOMITE- %;
OTHER FEATURES: CALCAREOUS, GRANULAR, SPECKLED;

380 - 385 LIMESTONE; WHITE TO GRAYISH GREEN; INTERGRANULAR, LOW PERMEABILITY;
GRAIN TYPE: CALCILUTITE, CRYSTALS;
GRAIN SIZE: VERY FINE; RANGE: FINE TO MICROCRYSTALLINE; POOR INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: INTERBEDDED,
ACCESSORY MINERALS: PHOSPHATIC SAND-03%, PHOSPHATIC GRAVEL-30%, CLAY-40%, DOLOMITE- %;
OTHER FEATURES: CALCAREOUS, GRANULAR;
FOSSILS: FOSSIL FRAGMENTS, PLANT REMAINS;

385 - 390 LIMESTONE; WHITE TO GRAYISH GREEN; INTERGRANULAR, LOW PERMEABILITY;
GRAIN TYPE: CALCILUTITE, CRYSTALS;
GRAIN SIZE: VERY FINE; RANGE: FINE TO MICROCRYSTALLINE; POOR INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: INTERBEDDED,
ACCESSORY MINERALS: PHOSPHATIC SAND-05%, PHOSPHATIC GRAVEL-10%, CLAY-40%, DOLOMITE- %;
OTHER FEATURES: CALCAREOUS, GRANULAR;
FOSSILS: FOSSIL FRAGMENTS, PLANT REMAINS;

390 - 395 LIMESTONE; WHITE TO GRAYISH GREEN; INTERGRANULAR, LOW PERMEABILITY;
GRAIN TYPE: CALCILUTITE, CRYSTALS;
GRAIN SIZE: VERY FINE; RANGE: FINE TO MICROCRYSTALLINE; POOR INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: INTERBEDDED,
ACCESSORY MINERALS: PHOSPHATIC SAND-05%, PHOSPHATIC GRAVEL-30%, CLAY-40%;
OTHER FEATURES: CALCAREOUS, GRANULAR;
FOSSILS: FOSSIL FRAGMENTS, PLANT REMAINS;

395 - 400 LIMESTONE; WHITE TO GRAYISH GREEN; INTERGRANULAR, LOW PERMEABILITY;
GRAIN TYPE: CALCILUTITE, CRYSTALS;
GRAIN SIZE: VERY FINE; RANGE: FINE TO MICROCRYSTALLINE; POOR INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: INTERBEDDED,
ACCESSORY MINERALS: PHOSPHATIC SAND-03%, PHOSPHATIC GRAVEL-30%, CLAY-40%;
OTHER FEATURES: CALCAREOUS, GRANULAR, SPECKLED;
FOSSILS: FOSSIL FRAGMENTS, MOLLUSKS, PLANT REMAINS;

400 - 405 LIMESTONE; WHITE TO GRAYISH GREEN; INTERGRANULAR, LOW PERMEABILITY;
GRAIN TYPE: CALCILUTITE, CRYSTALS;
GRAIN SIZE: VERY FINE; RANGE: FINE TO MICROCRYSTALLINE;
CEMENT TYPE(S): PHOSPHATE CEMENT, CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: INTERBEDDED,
ACCESSORY MINERALS: PHOSPHATIC SAND-03%, PHOSPHATIC GRAVEL-35%, CLAY-40%;
OTHER FEATURES: CALCAREOUS, GRANULAR;
FOSSILS: PLANT REMAINS;

405 - 410 CLAY; GRAYISH GREEN; INTERGRANULAR, LOW PERMEABILITY; POOR INDURATION;
CEMENT TYPE(S): CLAY MATRIX;
SEDIMENTARY STRUCTURES: INTERBEDDED,
ACCESSORY MINERALS: PHOSPHATIC SAND-03%, PHOSPHATIC GRAVEL-25%, LIMESTONE- %;
OTHER FEATURES: CALCAREOUS, GRANULAR;
FOSSILS: PLANT REMAINS;

410 - 415 CLAY; GRAYISH GREEN; INTERGRANULAR, LOW PERMEABILITY; POOR INDURATION;
CEMENT TYPE(S): CLAY MATRIX;
SEDIMENTARY STRUCTURES: INTERBEDDED,
ACCESSORY MINERALS: PHOSPHATIC SAND-07%, PHOSPHATIC GRAVEL-20%, LIMESTONE- %;
OTHER FEATURES: CALCAREOUS, GRANULAR;
FOSSILS: PLANT REMAINS;

415 - 420 CLAY; WHITE TO GRAYISH GREEN; INTERGRANULAR, LOW PERMEABILITY; POOR INDURATION;
CEMENT TYPE(S): CLAY MATRIX;
SEDIMENTARY STRUCTURES: INTERBEDDED,
ACCESSORY MINERALS: PHOSPHATIC SAND-03%, PHOSPHATIC GRAVEL-40%, LIMESTONE- %;
OTHER FEATURES: CALCAREOUS, GRANULAR, SPECKLED;
FOSSILS: PLANT REMAINS;

420 - 425 LIMESTONE; WHITE TO LIGHT GRAYISH BROWN; INTERGRANULAR, LOW PERMEABILITY;
GRAIN TYPE: CALCILUTITE, CRYSTALS;
GRAIN SIZE: VERY FINE; RANGE: FINE TO MICROCRYSTALLINE;
CEMENT TYPE(S): PHOSPHATE CEMENT, CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: INTERBEDDED,
ACCESSORY MINERALS: PHOSPHATIC SAND-03%, PHOSPHATIC GRAVEL-20%, SILT-30%, DOLOMITE- %;
OTHER FEATURES: CALCAREOUS, GRANULAR;

425 - 430 LIMESTONE; WHITE TO LIGHT GRAYISH BROWN; INTERGRANULAR, LOW PERMEABILITY;
GRAIN TYPE: CALCILUTITE, CRYSTALS;
GRAIN SIZE: VERY FINE; RANGE: FINE TO MICROCRYSTALLINE; POOR INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: INTERBEDDED,
ACCESSORY MINERALS: PHOSPHATIC SAND-01%, PHOSPHATIC GRAVEL-15%, SILT-30%, DOLOMITE- %;
OTHER FEATURES: CALCAREOUS, GRANULAR;
FOSSILS: FOSSIL FRAGMENTS, ECHINOID;

430 - 435 LIMESTONE; WHITE TO LIGHT GRAYISH BROWN; INTERGRANULAR, LOW PERMEABILITY;
GRAIN TYPE: CALCILUTITE, CRYSTALS;
GRAIN SIZE: VERY FINE; RANGE: FINE TO MICROCRYSTALLINE; POOR INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: INTERBEDDED,
ACCESSORY MINERALS: PHOSPHATIC SAND-01%, PHOSPHATIC GRAVEL-20%, SILT-30%, DOLOMITE- %;
OTHER FEATURES: CALCAREOUS, GRANULAR;
FOSSILS: FOSSIL FRAGMENTS, CORAL;

435 - 445 LIMESTONE; WHITE TO LIGHT GRAYISH BROWN; INTERGRANULAR, LOW PERMEABILITY;
GRAIN TYPE: CALCILUTITE, CRYSTALS;
GRAIN SIZE: VERY FINE; RANGE: FINE TO MICROCRYSTALLINE; POOR INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: INTERBEDDED,
ACCESSORY MINERALS: PHOSPHATIC SAND-03%, PHOSPHATIC GRAVEL-07%, SILT-30%, DOLOMITE- %;
OTHER FEATURES: GRANULAR, SUCROSIC, SPECKLED, HIGH RECRYSTALLIZATION;
FOSSILS: FOSSIL FRAGMENTS, FOSSIL MOLDS;

445 - 450 LIMESTONE; WHITE TO LIGHT GRAYISH BROWN; INTERGRANULAR;
GRAIN TYPE: CALCILUTITE, CRYSTALS;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: VERY FINE TO CRYPTOCRYSTALLINE; MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: INTERBEDDED,
ACCESSORY MINERALS: PHOSPHATIC SAND-07%, PHOSPHATIC GRAVEL-05%, SILT- %, DOLOMITE- %;
OTHER FEATURES: MEDIUM RECRYSTALLIZATION, SUCROSIC, SPECKLED, CALCAREOUS;
FOSSILS: FOSSIL FRAGMENTS;

450 - 455 LIMESTONE; WHITE TO LIGHT GRAYISH BROWN; INTERGRANULAR;
GRAIN TYPE: CALCILUTITE, CRYSTALS;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: VERY FINE TO CRYPTOCRYSTALLINE; MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: INTERBEDDED,
ACCESSORY MINERALS: PHOSPHATIC SAND-07%, PHOSPHATIC GRAVEL-03%, DOLOMITE- %;
OTHER FEATURES: MEDIUM RECRYSTALLIZATION, SUCROSIC, SPECKLED, CALCAREOUS;
FOSSILS: FOSSIL FRAGMENTS, MOLLUSKS;

455 - 460 LIMESTONE; WHITE TO LIGHT GRAYISH BROWN; INTERGRANULAR;
GRAIN TYPE: CALCILUTITE, CRYSTALS;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: VERY FINE TO CRYPTOCRYSTALLINE; MODERATE INDURATION;
CEMENT TYPE(S): SPARRY CALCITE CEMENT, CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: BRECCIATED, INTERBEDDED,
ACCESSORY MINERALS: PHOSPHATIC SAND-10%, PHOSPHATIC GRAVEL-03%, DOLOMITE- %, SPAR- %;
OTHER FEATURES: MEDIUM RECRYSTALLIZATION, SUCROSIC, SPECKLED, CALCAREOUS;
FOSSILS: FOSSIL FRAGMENTS, MOLLUSKS;

460 - 465 LIMESTONE; WHITE TO LIGHT GRAYISH BROWN; INTERGRANULAR;
GRAIN TYPE: CALCILUTITE, CRYSTALS;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: VERY FINE TO CRYPTOCRYSTALLINE; MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX, CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: BRECCIATED, INTERBEDDED,
ACCESSORY MINERALS: PHOSPHATIC SAND-10%, PHOSPHATIC GRAVEL-03%, DOLOMITE- %;
OTHER FEATURES: MEDIUM RECRYSTALLIZATION, SUCROSIC, SPECKLED, CALCAREOUS;
FOSSILS: FOSSIL FRAGMENTS, MOLLUSKS;

465 - 470 LIMESTONE; WHITE TO LIGHT GRAYISH BROWN; INTERGRANULAR;
GRAIN TYPE: CALCILUTITE, CRYSTALS;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: VERY FINE TO CRYPTOCRYSTALLINE; MODERATE INDURATION;
CEMENT TYPE(S): SPARRY CALCITE CEMENT, CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: INTERBEDDED,
ACCESSORY MINERALS: PHOSPHATIC SAND-07%, PHOSPHATIC GRAVEL-10%, DOLOMITE- %, SPAR- %;
OTHER FEATURES: MEDIUM RECRYSTALLIZATION, SUCROSIC, SPECKLED, CALCAREOUS;
FOSSILS: FOSSIL FRAGMENTS;

470 - 475 LIMESTONE; WHITE TO LIGHT GRAYISH BROWN; INTERGRANULAR;
GRAIN TYPE: CALCILUTITE, CRYSTALS;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: VERY FINE TO CRYPTOCRYSTALLINE; MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: INTERBEDDED,
ACCESSORY MINERALS: PHOSPHATIC SAND-10%, PHOSPHATIC GRAVEL-15%, SILT-01%, DOLOMITE- %;
OTHER FEATURES: MEDIUM RECRYSTALLIZATION, SUCROSIC, SPECKLED, CALCAREOUS;
FOSSILS: FOSSIL FRAGMENTS;

475 - 480 LIMESTONE; WHITE TO LIGHT GRAYISH BROWN; INTERGRANULAR;
GRAIN TYPE: CALCILUTITE, CRYSTALS;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: VERY FINE TO CRYPTOCRYSTALLINE; MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: INTERBEDDED,
ACCESSORY MINERALS: PHOSPHATIC SAND-10%, PHOSPHATIC GRAVEL-15%, SILT-01%, DOLOMITE- %;
OTHER FEATURES: MEDIUM RECRYSTALLIZATION, SUCROSIC, SPECKLED, CALCAREOUS;
FOSSILS: FOSSIL FRAGMENTS, MOLLUSKS, FOSSIL MOLDS;

480 - 485 LIMESTONE; WHITE TO LIGHT GRAYISH BROWN; INTERGRANULAR, LOW PERMEABILITY;
GRAIN TYPE: CRYSTALS, CALCILUTITE;
GRAIN SIZE: VERY FINE; RANGE: FINE TO MICROCRYSTALLINE; MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: INTERBEDDED, MASSIVE,
ACCESSORY MINERALS: PHOSPHATIC SAND-10%, PHOSPHATIC GRAVEL-15%, DOLOMITE- %, CLAY-40%;
OTHER FEATURES: MEDIUM RECRYSTALLIZATION, SUCROSIC, SPECKLED, CALCAREOUS;
FOSSILS: FOSSIL MOLDS;

485 - 490 CLAY; GRAYISH GREEN; INTERGRANULAR, LOW PERMEABILITY; POOR INDURATION;
CEMENT TYPE(S): CLAY MATRIX, CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: INTERBEDDED,
ACCESSORY MINERALS: PHOSPHATIC SAND-05%, LIMESTONE- %, QUARTZ SAND- %, SILT-20%;
OTHER FEATURES: FROSTED, GRANULAR, SPECKLED, CALCAREOUS;
FOSSILS: ECHINOID;

490 - 495 LIMESTONE; GRAYISH GREEN TO LIGHT GRAYISH BROWN; INTERGRANULAR, LOW PERMEABILITY;
GRAIN TYPE: CRYSTALS, CALCILUTITE;
GRAIN SIZE: VERY FINE; RANGE: FINE TO MICROCRYSTALLINE; POOR INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: INTERBEDDED,
ACCESSORY MINERALS: PHOSPHATIC SAND-15%, QUARTZ SAND- %, DOLOMITE- %, CLAY-40%;
OTHER FEATURES: FROSTED, GRANULAR, SPECKLED, CALCAREOUS;
FOSSILS: PLANT REMAINS;

495 - 500 CLAY; BROWNISH GRAY TO LIGHT GRAYISH BROWN; INTERGRANULAR, LOW PERMEABILITY;
POOR INDURATION;
CEMENT TYPE(S): CLAY MATRIX, CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: INTERBEDDED,
ACCESSORY MINERALS: PHOSPHATIC SAND-10%, LIMESTONE- %, QUARTZ SAND- %, SILT-20%;
OTHER FEATURES: FROSTED, GRANULAR, SPECKLED, CALCAREOUS;
FOSSILS: FOSSIL FRAGMENTS;

500 - 505 CLAY; OLIVE GRAY; INTERGRANULAR, LOW PERMEABILITY; POOR INDURATION;
CEMENT TYPE(S): CLAY MATRIX, CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: INTERBEDDED,
ACCESSORY MINERALS: PHOSPHATIC SAND-10%, LIMESTONE- %, QUARTZ SAND- %, SILT-20%;
OTHER FEATURES: FROSTED, GRANULAR, SPECKLED, CALCAREOUS;
FOSSILS: PLANT REMAINS;

505 - 510 AS ABOVE

510 - 515 CLAY; BROWNISH GRAY; INTERGRANULAR, LOW PERMEABILITY; POOR INDURATION;
CEMENT TYPE(S): CLAY MATRIX, CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: INTERBEDDED,
ACCESSORY MINERALS: PHOSPHATIC SAND-07%, LIMESTONE- %, QUARTZ SAND- %, SILT-20%;
OTHER FEATURES: FROSTED, GRANULAR, SPECKLED, CALCAREOUS;
FOSSILS: PLANT REMAINS;

515 - 520 CLAY; BROWNISH GRAY; INTERGRANULAR, LOW PERMEABILITY; POOR INDURATION;
CEMENT TYPE(S): CLAY MATRIX, CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: INTERBEDDED,
ACCESSORY MINERALS: PHOSPHATIC SAND-05%, LIMESTONE- %, QUARTZ SAND- %, SILT-20%;
OTHER FEATURES: FROSTED, GRANULAR, SPECKLED, CALCAREOUS;
FOSSILS: PLANT REMAINS;

520 - 525 CLAY; OLIVE GRAY; INTERGRANULAR, LOW PERMEABILITY; POOR INDURATION;
CEMENT TYPE(S): CLAY MATRIX, CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: INTERBEDDED,
ACCESSORY MINERALS: PHOSPHATIC SAND-05%, LIMESTONE- %, QUARTZ SAND- %, SILT-20%;
OTHER FEATURES: FROSTED, GRANULAR, SPECKLED, CALCAREOUS;
FOSSILS: PLANT REMAINS;

525 - 530 CLAY; BROWNISH GRAY; INTERGRANULAR, LOW PERMEABILITY; POOR INDURATION;
CEMENT TYPE(S): CLAY MATRIX, CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: INTERBEDDED,
ACCESSORY MINERALS: PHOSPHATIC SAND-07%, LIMESTONE- %, QUARTZ SAND-15%, SILT-15%;
OTHER FEATURES: CALCAREOUS, GRANULAR, FROSTED;
FOSSILS: PLANT REMAINS, MOLLUSKS, FOSSIL FRAGMENTS, ORGANICS;

530 - 535 CLAY; OLIVE GRAY; INTERGRANULAR, LOW PERMEABILITY; POOR INDURATION;
CEMENT TYPE(S): CLAY MATRIX, CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: INTERBEDDED,
ACCESSORY MINERALS: PHOSPHATIC SAND-07%, LIMESTONE- %, QUARTZ SAND-15%, SILT-25%;
OTHER FEATURES: FROSTED, GRANULAR, MEDIUM RECRYSTALLIZATION, CALCAREOUS;
FOSSILS: PLANT REMAINS, MOLLUSKS, FOSSIL FRAGMENTS;

535 - 540 CLAY; OLIVE GRAY; INTERGRANULAR, LOW PERMEABILITY; POOR INDURATION;
CEMENT TYPE(S): CLAY MATRIX, CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: INTERBEDDED,
ACCESSORY MINERALS: PHOSPHATIC SAND-07%, LIMESTONE- %, QUARTZ SAND-15%, SILT-25%;
OTHER FEATURES: FROSTED, GRANULAR, MEDIUM RECRYSTALLIZATION, CALCAREOUS;
FOSSILS: PLANT REMAINS, MOLLUSKS, FOSSIL FRAGMENTS;

540 - 545 CLAY; OLIVE GRAY; INTERGRANULAR, LOW PERMEABILITY; POOR INDURATION;
CEMENT TYPE(S): CLAY MATRIX, CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: INTERBEDDED,
ACCESSORY MINERALS: PHOSPHATIC SAND-07%, LIMESTONE- %, QUARTZ SAND-15%, SILT-25%;
OTHER FEATURES: FROSTED, GRANULAR, MEDIUM RECRYSTALLIZATION, CALCAREOUS;
FOSSILS: PLANT REMAINS, FOSSIL FRAGMENTS;

545 - 550 LIMESTONE; LIGHT GRAY TO LIGHT OLIVE GRAY; INTERGRANULAR, LOW PERMEABILITY;
GRAIN TYPE: CALCILUTITE, CRYSTALS, BIOGENIC;
GRAIN SIZE: VERY FINE; RANGE: FINE TO MICROCRYSTALLINE; POOR INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: INTERBEDDED,
ACCESSORY MINERALS: PHOSPHATIC SAND-05%, DOLOMITE- %, QUARTZ SAND-15%, CLAY-40%;
OTHER FEATURES: GRANULAR, SPECKLED, MEDIUM RECRYSTALLIZATION, CALCAREOUS, FROSTED;
FOSSILS: PLANT REMAINS, MOLLUSKS, FOSSIL FRAGMENTS, ECHINOID;

550 - 555 LIMESTONE; LIGHT GRAY TO LIGHT OLIVE GRAY; INTERGRANULAR, LOW PERMEABILITY;
GRAIN TYPE: CALCILUTITE, CRYSTALS, BIOGENIC;
GRAIN SIZE: VERY FINE; RANGE: FINE TO MICROCRYSTALLINE; POOR INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: INTERBEDDED,
ACCESSORY MINERALS: PHOSPHATIC SAND-15%, DOLOMITE- %, QUARTZ SAND-15%, SILT-25%;
OTHER FEATURES: SPECKLED, GRANULAR, MEDIUM RECRYSTALLIZATION, CALCAREOUS, FROSTED;
FOSSILS: PLANT REMAINS, MOLLUSKS, FOSSIL FRAGMENTS, ECHINOID;

555 - 560 LIMESTONE; LIGHT GRAY TO LIGHT OLIVE GRAY; INTERGRANULAR, LOW PERMEABILITY;
GRAIN TYPE: CALCILUTITE, CRYSTALS, BIOGENIC;
GRAIN SIZE: VERY FINE; RANGE: FINE TO MICROCRYSTALLINE; POOR INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: INTERBEDDED,
ACCESSORY MINERALS: PHOSPHATIC SAND-07%, DOLOMITE- %, QUARTZ SAND-15%, SILT-25%;
OTHER FEATURES: SPECKLED, GRANULAR, MEDIUM RECRYSTALLIZATION, CALCAREOUS, FROSTED;
FOSSILS: PLANT REMAINS, MOLLUSKS, FOSSIL FRAGMENTS, ECHINOID;

560 - 565 LIMESTONE; LIGHT GRAY TO LIGHT OLIVE GRAY; INTERGRANULAR, LOW PERMEABILITY;
GRAIN TYPE: CALCILUTITE, CRYSTALS, BIOGENIC;
GRAIN SIZE: VERY FINE; RANGE: FINE TO MICROCRYSTALLINE; POOR INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: INTERBEDDED,
ACCESSORY MINERALS: PHOSPHATIC SAND-07%, DOLOMITE-07%, QUARTZ SAND-10%, SILT-10%;
OTHER FEATURES: SPECKLED, GRANULAR, MEDIUM RECRYSTALLIZATION, CALCAREOUS, FROSTED;
FOSSILS: PLANT REMAINS, MOLLUSKS, FOSSIL FRAGMENTS;

565 - 570 LIMESTONE; YELLOWISH GRAY TO LIGHT GRAYISH BROWN; INTERGRANULAR,
POSSIBLY HIGH PERMEABILITY;
GRAIN TYPE: CALCILUTITE;
GRAIN SIZE: VERY FINE; RANGE: FINE TO MICROCRYSTALLINE; MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: MASSIVE,
ACCESSORY MINERALS: PHOSPHATIC SAND-07%, PHOSPHATIC GRAVEL-03%, QUARTZ SAND-05%,
DOLOMITE- %;
OTHER FEATURES: SPECKLED, GRANULAR, LOW RECRYSTALLIZATION, CALCAREOUS, FROSTED;
FOSSILS: CRUSTACEA, FOSSIL FRAGMENTS, BRYOZOA;

570 - 575 LIMESTONE; YELLOWISH GRAY TO LIGHT GRAYISH BROWN; INTERGRANULAR,
POSSIBLY HIGH PERMEABILITY;
GRAIN TYPE: CALCILUTITE;
GRAIN SIZE: VERY FINE; RANGE: FINE TO MICROCRYSTALLINE; MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: MASSIVE,
ACCESSORY MINERALS: PHOSPHATIC SAND-01%, PHOSPHATIC GRAVEL-03%, QUARTZ SAND-05%,
DOLOMITE- %;
OTHER FEATURES: SPECKLED, GRANULAR, LOW RECRYSTALLIZATION, CALCAREOUS, FROSTED;
FOSSILS: CRUSTACEA, FOSSIL FRAGMENTS, BRYOZOA;

575 - 580 LIMESTONE; YELLOWISH GRAY TO LIGHT GRAYISH BROWN; INTERGRANULAR,
POSSIBLY HIGH PERMEABILITY;
GRAIN TYPE: CALCILUTITE;
GRAIN SIZE: VERY FINE; RANGE: FINE TO MICROCRYSTALLINE; MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: MASSIVE,
ACCESSORY MINERALS: DOLOMITE- %, PHOSPHATIC GRAVEL-03%, QUARTZ SAND-05%, CLAY-05%;
OTHER FEATURES: SPECKLED, GRANULAR, LOW RECRYSTALLIZATION, CALCAREOUS, FROSTED;
FOSSILS: CRUSTACEA, FOSSIL FRAGMENTS, BRYOZOA;

580 - 585 LIMESTONE; YELLOWISH GRAY TO LIGHT GRAYISH BROWN; INTERGRANULAR,
POSSIBLY HIGH PERMEABILITY;
GRAIN TYPE: CALCILUTITE;
GRAIN SIZE: VERY FINE; RANGE: FINE TO MICROCRYSTALLINE; MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: MASSIVE,
ACCESSORY MINERALS: DOLOMITE- %, PHOSPHATIC GRAVEL-05%, QUARTZ SAND-10%, CLAY-01%;
OTHER FEATURES: SPECKLED, GRANULAR, MEDIUM RECRYSTALLIZATION, CALCAREOUS, FROSTED;
FOSSILS: FOSSIL FRAGMENTS;

585 - 590 LIMESTONE; YELLOWISH GRAY TO LIGHT GRAYISH BROWN; INTERGRANULAR,
POSSIBLY HIGH PERMEABILITY;
GRAIN TYPE: CALCILUTITE;
GRAIN SIZE: VERY FINE; RANGE: FINE TO MICROCRYSTALLINE; MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: MASSIVE,
ACCESSORY MINERALS: PHOSPHATIC SAND-01%, PHOSPHATIC GRAVEL-03%, QUARTZ SAND-10%,
DOLOMITE- %;
OTHER FEATURES: SPECKLED, GRANULAR, LOW RECRYSTALLIZATION, CALCAREOUS, WEATHERED;
FOSSILS: FOSSIL FRAGMENTS;

590 - 595 LIMESTONE; YELLOWISH GRAY TO LIGHT GRAYISH BROWN; INTERGRANULAR,
POSSIBLY HIGH PERMEABILITY;
GRAIN TYPE: CALCILUTITE;
GRAIN SIZE: VERY FINE; RANGE: FINE TO MICROCRYSTALLINE; MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: MASSIVE,
ACCESSORY MINERALS: DOLOMITE- %, PHOSPHATIC GRAVEL-03%, QUARTZ SAND-10%, CLAY-01%;
OTHER FEATURES: SPECKLED, GRANULAR, LOW RECRYSTALLIZATION, CALCAREOUS, WEATHERED;
FOSSILS: FOSSIL FRAGMENTS;

595 - 600 LIMESTONE; YELLOWISH GRAY TO LIGHT GRAYISH BROWN; INTERGRANULAR,
POSSIBLY HIGH PERMEABILITY;
GRAIN TYPE: CALCILUTITE;
GRAIN SIZE: VERY FINE; RANGE: FINE TO MICROCRYSTALLINE; MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: MASSIVE,
ACCESSORY MINERALS: DOLOMITE- %, PHOSPHATIC GRAVEL-01%, QUARTZ SAND-20%, PYRITE- %;
OTHER FEATURES: SPECKLED, GRANULAR, LOW RECRYSTALLIZATION, CALCAREOUS, WEATHERED;
FOSSILS: PLANT REMAINS, FOSSIL FRAGMENTS;

600 - 610 LIMESTONE; YELLOWISH GRAY; INTERGRANULAR, POSSIBLY HIGH PERMEABILITY;
GRAIN TYPE: CALCILUTITE;
GRAIN SIZE: VERY FINE; RANGE: FINE TO MICROCRYSTALLINE; POOR INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: MASSIVE,
ACCESSORY MINERALS: PHOSPHATIC SAND-01%, DOLOMITE- %, QUARTZ SAND-05%, SILT-05%;
OTHER FEATURES: GRANULAR, MEDIUM RECRYSTALLIZATION, CALCAREOUS, WEATHERED, CHALKY;
FOSSILS: PLANT REMAINS, FOSSIL FRAGMENTS;

610 - 615 LIMESTONE; YELLOWISH GRAY; INTERGRANULAR, POSSIBLY HIGH PERMEABILITY;
GRAIN TYPE: CALCILUTITE;
GRAIN SIZE: VERY FINE; RANGE: FINE TO MICROCRYSTALLINE; POOR INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: MASSIVE,
ACCESSORY MINERALS: PHOSPHATIC SAND-01%, DOLOMITE- %, QUARTZ SAND-05%, SILT-05%;
OTHER FEATURES: GRANULAR, MEDIUM RECRYSTALLIZATION, CALCAREOUS, WEATHERED, CHALKY;
FOSSILS: PLANT REMAINS, FOSSIL FRAGMENTS;

615 - 620 LIMESTONE; YELLOWISH GRAY; INTERGRANULAR, POSSIBLY HIGH PERMEABILITY;
GRAIN TYPE: CALCILUTITE;
GRAIN SIZE: VERY FINE; RANGE: FINE TO MICROCRYSTALLINE; POOR INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: MASSIVE,
ACCESSORY MINERALS: PHOSPHATIC SAND-01%, DOLOMITE- %, QUARTZ SAND-02%, SILT-02%;
OTHER FEATURES: GRANULAR, MEDIUM RECRYSTALLIZATION, CALCAREOUS, WEATHERED, CHALKY;
FOSSILS: PLANT REMAINS, FOSSIL FRAGMENTS, FOSSIL MOLDS;

620 - 625 LIMESTONE; YELLOWISH GRAY; INTERGRANULAR, POSSIBLY HIGH PERMEABILITY;
GRAIN TYPE: CALCILUTITE;
GRAIN SIZE: VERY FINE; RANGE: FINE TO MICROCRYSTALLINE; POOR INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: MASSIVE,
ACCESSORY MINERALS: PHOSPHATIC SAND-01%, DOLOMITE- %, QUARTZ SAND-02%, SILT-02%;
OTHER FEATURES: GRANULAR, MEDIUM RECRYSTALLIZATION, CALCAREOUS, WEATHERED, CHALKY;
FOSSILS: PLANT REMAINS, FOSSIL FRAGMENTS, FOSSIL MOLDS;

625 - 630 LIMESTONE; YELLOWISH GRAY; INTERGRANULAR, POSSIBLY HIGH PERMEABILITY;
GRAIN TYPE: CALCILUTITE;
GRAIN SIZE: VERY FINE; RANGE: FINE TO MICROCRYSTALLINE; POOR INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: MASSIVE,
ACCESSORY MINERALS: PHOSPHATIC SAND-01%, DOLOMITE- %, QUARTZ SAND-01%, SILT-01%;
OTHER FEATURES: GRANULAR, MEDIUM RECRYSTALLIZATION, CALCAREOUS, WEATHERED, CHALKY;
FOSSILS: FOSSIL FRAGMENTS, FOSSIL MOLDS, SPICULES;

630 - 635 LIMESTONE; YELLOWISH GRAY; INTERGRANULAR, POSSIBLY HIGH PERMEABILITY;
GRAIN TYPE: BIOGENIC, CALCILUTITE, CRYSTALS;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: VERY FINE TO CRYPTOCRYSTALLINE; MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: MASSIVE,
ACCESSORY MINERALS: PHOSPHATIC SAND-01%, DOLOMITE- %, QUARTZ SAND-01%, SILT-01%;
OTHER FEATURES: GRANULAR, MEDIUM RECRYSTALLIZATION, CALCAREOUS, WEATHERED, CHALKY;
FOSSILS: FOSSIL FRAGMENTS, FOSSIL MOLDS, BENTHIC FORAMINIFERA;
LEPIDOCYCLINA.

635 - 640 NO SAMPLES

640 - 645 LIMESTONE; YELLOWISH GRAY; INTERGRANULAR;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: VERY FINE TO CRYPTOCRYSTALLINE; MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: BEDDED,
ACCESSORY MINERALS: PHOSPHATIC SAND-01%, PHOSPHATIC GRAVEL-01%, QUARTZ SAND-01%, SILT-01%;
OTHER FEATURES: GRANULAR, MEDIUM RECRYSTALLIZATION, CALCAREOUS, WEATHERED, CHALKY;
FOSSILS: FOSSIL FRAGMENTS, FOSSIL MOLDS, BENTHIC FORAMINIFERA, BRYOZOA;
LAGENA.

645 - 650 LIMESTONE; GRAYISH ORANGE; INTERGRANULAR;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: VERY FINE TO CRYPTOCRYSTALLINE; MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: BEDDED,
ACCESSORY MINERALS: PHOSPHATIC SAND-01%, SILT-01%, QUARTZ SAND-01%;
OTHER FEATURES: SUCROSIC, MEDIUM RECRYSTALLIZATION, CALCAREOUS, WEATHERED, CHALKY;
FOSSILS: FOSSIL FRAGMENTS, FOSSIL MOLDS;

650 - 655 AS ABOVE

655 - 660 AS ABOVE

660 - 665 LIMESTONE; GRAYISH ORANGE; INTERGRANULAR;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: VERY FINE TO CRYPTOCRYSTALLINE; MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: BEDDED,
ACCESSORY MINERALS: PHOSPHATIC GRAVEL-01%, QUARTZ SAND-01%;
OTHER FEATURES: GRANULAR, MEDIUM RECRYSTALLIZATION, CALCAREOUS, WEATHERED, CHALKY;
FOSSILS: FOSSIL FRAGMENTS, SPICULES, BENTHIC FORAMINIFERA;
LAGENA, NUMMULITES.

665 - 670 LIMESTONE; GRAYISH ORANGE; INTERGRANULAR;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: VERY FINE TO CRYPTOCRYSTALLINE; MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: BEDDED,
ACCESSORY MINERALS: PHOSPHATIC GRAVEL-01%, QUARTZ SAND-01%;
OTHER FEATURES: GRANULAR, MEDIUM RECRYSTALLIZATION, CALCAREOUS, WEATHERED, CHALKY;
FOSSILS: FOSSIL FRAGMENTS, SPICULES, BENTHIC FORAMINIFERA;

670 - 675 AS ABOVE

675 - 680 LIMESTONE; GRAYISH ORANGE; INTERGRANULAR;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: VERY FINE TO CRYPTOCRYSTALLINE; MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: BEDDED,
ACCESSORY MINERALS: PHOSPHATIC GRAVEL-01%, QUARTZ SAND-01%;
OTHER FEATURES: GRANULAR, MEDIUM RECRYSTALLIZATION, CALCAREOUS, WEATHERED, CHALKY;
FOSSILS: FOSSIL FRAGMENTS, SPICULES, BENTHIC FORAMINIFERA;
ECHINOIDEA, LAGENA, NUMMULITES.

680 - 685 LIMESTONE; GRAYISH ORANGE; INTERGRANULAR;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: VERY FINE TO CRYPTOCRYSTALLINE; MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: BEDDED,
ACCESSORY MINERALS: PHOSPHATIC GRAVEL-01%, QUARTZ SAND-01%;
OTHER FEATURES: GRANULAR, MEDIUM RECRYSTALLIZATION, CALCAREOUS, WEATHERED, CHALKY;
FOSSILS: FOSSIL FRAGMENTS, SPICULES, ECHINOID, BENTHIC FORAMINIFERA;
LEPIDOCYCLINA, LAGENA.

685 - 690 LIMESTONE; GRAYISH ORANGE; INTERGRANULAR;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: VERY FINE TO CRYPTOCRYSTALLINE; MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: BEDDED,
ACCESSORY MINERALS: PHOSPHATIC GRAVEL-01%, QUARTZ SAND-01%;
OTHER FEATURES: GRANULAR, MEDIUM RECRYSTALLIZATION, CALCAREOUS, WEATHERED, CHALKY;
FOSSILS: FOSSIL FRAGMENTS, SPICULES, ECHINOID, BRYOZOA, BENTHIC FORAMINIFERA;
LAGENA, NUMMULITES.

690 - 695 LIMESTONE; GRAYISH ORANGE; INTERGRANULAR;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: VERY FINE TO CRYPTOCRYSTALLINE; MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: BEDDED,
ACCESSORY MINERALS: PHOSPHATIC GRAVEL-01%, QUARTZ SAND-01%;
OTHER FEATURES: GRANULAR, MEDIUM RECRYSTALLIZATION, CALCAREOUS, WEATHERED, CHALKY;
FOSSILS: BRACHIOPOD, BENTHIC FORAMINIFERA, CORAL;
NUMMULITES, LEPIDOCYCLINA, LAGENA.

695 - 700 LIMESTONE; GRAYISH ORANGE; INTERGRANULAR;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: VERY FINE TO CRYPTOCRYSTALLINE; MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: BEDDED,
ACCESSORY MINERALS: PHOSPHATIC GRAVEL-01%, QUARTZ SAND-01%;
OTHER FEATURES: GRANULAR, MEDIUM RECRYSTALLIZATION, CALCAREOUS, WEATHERED, CHALKY;
FOSSILS: FOSSIL FRAGMENTS, BENTHIC FORAMINIFERA, ECHINOID;
LEPIDOCYCLINA, NUMMULITES.

700 - 705 LIMESTONE; GRAYISH ORANGE; INTERGRANULAR;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: VERY FINE TO CRYPTOCRYSTALLINE; MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: BEDDED,
ACCESSORY MINERALS: QUARTZ SAND-01%;
OTHER FEATURES: GRANULAR, MEDIUM RECRYSTALLIZATION, CALCAREOUS, WEATHERED, CHALKY;
FOSSILS: FOSSIL FRAGMENTS, BENTHIC FORAMINIFERA;
NUMMULITES, LAGENA, LEPIDOCYCLINA.

705 - 710 LIMESTONE; GRAYISH ORANGE; INTERGRANULAR;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: VERY FINE TO CRYPTOCRYSTALLINE; MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX, SPARRY CALCITE CEMENT;
SEDIMENTARY STRUCTURES: BEDDED,
ACCESSORY MINERALS: SPAR-01%, QUARTZ SAND-01%;
OTHER FEATURES: GRANULAR, MEDIUM RECRYSTALLIZATION, CALCAREOUS, WEATHERED, CHALKY;
FOSSILS: FOSSIL FRAGMENTS, BENTHIC FORAMINIFERA;
OPERCULINOIDES, LEPIDOCYCLINA, NUMMULITES.

710 - 715 LIMESTONE; GRAYISH ORANGE; INTERGRANULAR;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: VERY FINE TO CRYPTOCRYSTALLINE; MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX, SPARRY CALCITE CEMENT;
SEDIMENTARY STRUCTURES: BEDDED,
ACCESSORY MINERALS: SPAR-01%, QUARTZ SAND-01%;
OTHER FEATURES: GRANULAR, MEDIUM RECRYSTALLIZATION, CALCAREOUS, WEATHERED, CHALKY;
FOSSILS: FOSSIL FRAGMENTS, BENTHIC FORAMINIFERA;

715 - 720 AS ABOVE

720 - 725 LIMESTONE; VERY LIGHT ORANGE; INTERGRANULAR;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: VERY FINE TO CRYPTOCRYSTALLINE; MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: BEDDED,
ACCESSORY MINERALS: SPAR-01%, QUARTZ SAND-01%;
OTHER FEATURES: GRANULAR, MEDIUM RECRYSTALLIZATION, CALCAREOUS, WEATHERED, CHALKY;
FOSSILS: FOSSIL FRAGMENTS, BENTHIC FORAMINIFERA;
OPERCS. LEPS., NUMMULITES.

725 - 730 LIMESTONE; GRAYISH ORANGE; INTERGRANULAR;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: VERY FINE TO CRYPTOCRYSTALLINE; MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX, SPARRY CALCITE CEMENT;
ACCESSORY MINERALS: DOLOMITE- %, SPAR-05%, QUARTZ SAND-01%;
OTHER FEATURES: GRANULAR, MEDIUM RECRYSTALLIZATION, CALCAREOUS, WEATHERED, CHALKY;
FOSSILS: FOSSIL FRAGMENTS, BENTHIC FORAMINIFERA;
LEPIDOCYCLINA, NUMMULITES.

730 - 735 LIMESTONE; GRAYISH ORANGE; INTERGRANULAR;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: VERY FINE TO CRYPTOCRYSTALLINE; MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX, SPARRY CALCITE CEMENT;
SEDIMENTARY STRUCTURES: BEDDED,
ACCESSORY MINERALS: SPAR-05%, QUARTZ SAND-01%, PHOSPHATIC SAND-01%;
OTHER FEATURES: GRANULAR, MEDIUM RECRYSTALLIZATION, CALCAREOUS, WEATHERED, CHALKY;
FOSSILS: FOSSIL FRAGMENTS, BENTHIC FORAMINIFERA;
LEPIDOCYCLINA, NUMMULITES.

735 - 740 LIMESTONE; VERY LIGHT ORANGE; INTERGRANULAR;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: VERY FINE TO CRYPTOCRYSTALLINE; MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: BEDDED,
ACCESSORY MINERALS: SPAR-01%, QUARTZ SAND-01%;
OTHER FEATURES: GRANULAR, MEDIUM RECRYSTALLIZATION, CALCAREOUS, WEATHERED, CHALKY;
FOSSILS: FOSSIL FRAGMENTS, BENTHIC FORAMINIFERA;
LEPS. OPERCS, NUMMULITES.

740 - 745 LIMESTONE; VERY LIGHT ORANGE; INTERGRANULAR;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: VERY FINE TO CRYPTOCRYSTALLINE; MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: BEDDED,
ACCESSORY MINERALS: SPAR- %, QUARTZ SAND-01%;
OTHER FEATURES: GRANULAR, MEDIUM RECRYSTALLIZATION, CALCAREOUS, WEATHERED, CHALKY;
FOSSILS: FOSSIL FRAGMENTS, BENTHIC FORAMINIFERA;

745 - 750 AS ABOVE

750 - 755 LIMESTONE; WHITE; INTERGRANULAR;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: VERY FINE TO CRYPTOCRYSTALLINE; MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: BEDDED,
ACCESSORY MINERALS: SPAR-01%, PYRITE- %;
OTHER FEATURES: GRANULAR, MEDIUM RECRYSTALLIZATION, CALCAREOUS, WEATHERED, CHALKY;
FOSSILS: FOSSIL FRAGMENTS, BENTHIC FORAMINIFERA;

755 - 760 LIMESTONE; WHITE; INTERGRANULAR;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: VERY FINE TO CRYPTOCRYSTALLINE; MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: BEDDED,
ACCESSORY MINERALS: SPAR-01%, PHOSPHATIC SAND-01%;
OTHER FEATURES: GRANULAR, MEDIUM RECRYSTALLIZATION, CALCAREOUS, WEATHERED, CHALKY;
FOSSILS: FOSSIL FRAGMENTS, BENTHIC FORAMINIFERA;
LEPIDOCYCLINA, NUMMULITES, OPERCULINOIDES.

760 - 765 LIMESTONE; VERY LIGHT ORANGE; INTERGRANULAR;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: VERY FINE TO CRYPTOCRYSTALLINE; MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: BEDDED,
ACCESSORY MINERALS: SPAR-01%, PHOSPHATIC SAND-01%;
OTHER FEATURES: GRANULAR, MEDIUM RECRYSTALLIZATION, CALCAREOUS, WEATHERED, CHALKY;
FOSSILS: FOSSIL FRAGMENTS, BENTHIC FORAMINIFERA;

765 - 770 AS ABOVE

770 - 775 AS ABOVE

775 - 780 AS ABOVE

780 - 785 AS ABOVE

785 - 790 AS ABOVE

790 - 795 AS ABOVE

795 - 800 LIMESTONE; VERY LIGHT ORANGE; INTERGRANULAR;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: VERY FINE TO CRYPTOCRYSTALLINE; MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: BEDDED,
ACCESSORY MINERALS: SPAR-01%, PHOSPHATIC SAND-01%;
OTHER FEATURES: GRANULAR, MEDIUM RECRYSTALLIZATION, CALCAREOUS, WEATHERED, CHALKY;
FOSSILS: BENTHIC FORAMINIFERA;
NUMMULITES, LEPIDOCYCLINA.

800 - 805 LIMESTONE; VERY LIGHT ORANGE; INTERGRANULAR;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: VERY FINE TO CRYPTOCRYSTALLINE; MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: BEDDED,
ACCESSORY MINERALS: PHOSPHATIC SAND-01%;
OTHER FEATURES: GRANULAR, MEDIUM RECRYSTALLIZATION, CALCAREOUS, WEATHERED, CHALKY;
FOSSILS: BENTHIC FORAMINIFERA;

805 - 815 AS ABOVE

815 - 820 AS ABOVE

820 - 825 AS ABOVE

825 - 830 AS ABOVE

830 - 835 AS ABOVE

835 - 840 AS ABOVE

840 - 845 AS ABOVE

845 - 850 AS ABOVE

850 - 855 AS ABOVE

855 - 860 AS ABOVE

860 - 865 AS ABOVE

865 - 870 LIMESTONE; VERY LIGHT ORANGE;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: FINE TO CRYPTOCRYSTALLINE; MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: BEDDED,
ACCESSORY MINERALS: PHOSPHATIC SAND-01%, PYRITE- %, SPAR-01%;
OTHER FEATURES: GRANULAR, MEDIUM RECRYSTALLIZATION, CALCAREOUS, WEATHERED, CHALKY;
FOSSILS: BENTHIC FORAMINIFERA, SPICULES, FOSSIL FRAGMENTS;
LEPIDOCYCLINA, OPERCULINOIDES, NUMMULITES.

870 - 875 LIMESTONE; VERY LIGHT ORANGE; INTERGRANULAR;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: VERY FINE TO CRYPTOCRYSTALLINE; MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: BEDDED,
ACCESSORY MINERALS: PHOSPHATIC SAND-01%, PYRITE- %, SPAR-01%;
OTHER FEATURES: GRANULAR, MEDIUM RECRYSTALLIZATION, CALCAREOUS, WEATHERED, CHALKY;
FOSSILS: BENTHIC FORAMINIFERA;

875 - 880 LIMESTONE; VERY LIGHT ORANGE; INTERGRANULAR;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: VERY FINE TO CRYPTOCRYSTALLINE; MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: BEDDED,
ACCESSORY MINERALS: PHOSPHATIC SAND-01%;
OTHER FEATURES: GRANULAR, MEDIUM RECRYSTALLIZATION, CALCAREOUS, WEATHERED, CHALKY;
FOSSILS: BENTHIC FORAMINIFERA;

880 - 885 LIMESTONE; VERY LIGHT ORANGE; INTERGRANULAR;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: VERY FINE TO CRYPTOCRYSTALLINE; MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: BEDDED,
ACCESSORY MINERALS: PHOSPHATIC SAND-01%, SPAR-01%;
OTHER FEATURES: GRANULAR, MEDIUM RECRYSTALLIZATION, CALCAREOUS, WEATHERED, CHALKY;
FOSSILS: BENTHIC FORAMINIFERA, SPICULES, FOSSIL FRAGMENTS, MOLLUSKS;

885 - 890 LIMESTONE; LIGHT GREENISH YELLOW; INTERGRANULAR;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: VERY FINE TO CRYPTOCRYSTALLINE; MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: BEDDED,
ACCESSORY MINERALS: PHOSPHATIC SAND-01%, PEAT-01%, SPAR-01%;
OTHER FEATURES: GRANULAR, MEDIUM RECRYSTALLIZATION, CALCAREOUS, WEATHERED, CHALKY;
FOSSILS: BENTHIC FORAMINIFERA, PLANT REMAINS;

890 - 895 AS ABOVE

895 - 900 AS ABOVE

900 - 905 LIMESTONE; YELLOWISH GRAY; INTERGRANULAR;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: VERY FINE TO CRYPTOCRYSTALLINE; MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX, SPARRY CALCITE CEMENT;
SEDIMENTARY STRUCTURES: BEDDED,
ACCESSORY MINERALS: PHOSPHATIC SAND-02%, PYRITE- %, SPAR-03%;
OTHER FEATURES: GRANULAR, MEDIUM RECRYSTALLIZATION, CALCAREOUS, WEATHERED, CHALKY;
FOSSILS: BRYOZOA, SPICULES, BENTHIC FORAMINIFERA;
OPERCULINOIDES, LEPIDOCYCLINA, NUMMULITES.

905 - 910 LIMESTONE; WHITE TO LIGHT BROWN; INTERGRANULAR;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: VERY FINE TO CRYPTOCRYSTALLINE; GOOD INDURATION;
CEMENT TYPE(S): SPARRY CALCITE CEMENT, CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: BEDDED,
ACCESSORY MINERALS: QUARTZ SAND-01%, SPAR-05%;
OTHER FEATURES: GRANULAR, MEDIUM RECRYSTALLIZATION, CALCAREOUS, WEATHERED, CHALKY;
FOSSILS: CORAL, SPICULES, FOSSIL FRAGMENTS, BENTHIC FORAMINIFERA;
COMMENTS AS ABOVE.

910 - 915 LIMESTONE; WHITE TO LIGHT BROWN; INTERGRANULAR, VUGULAR;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: VERY FINE TO CRYPTOCRYSTALLINE; GOOD INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX, SPARRY CALCITE CEMENT;
SEDIMENTARY STRUCTURES: BEDDED, MASSIVE,
ACCESSORY MINERALS: QUARTZ SAND-01%, SPAR-05%;
OTHER FEATURES: GRANULAR, MEDIUM RECRYSTALLIZATION, CALCAREOUS, WEATHERED, CHALKY;
FOSSILS: CORAL, SPICULES, FOSSIL FRAGMENTS, ECHINOID;

915 - 920 AS ABOVE

920 - 925 LIMESTONE; WHITE TO LIGHT BROWN; INTERGRANULAR;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: VERY FINE TO CRYPTOCRYSTALLINE; POOR INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX, SPARRY CALCITE CEMENT;
SEDIMENTARY STRUCTURES: BEDDED,
ACCESSORY MINERALS: PHOSPHATIC SAND-01%, SPAR-15%;
OTHER FEATURES: GRANULAR, MEDIUM RECRYSTALLIZATION, CALCAREOUS, WEATHERED, CHALKY;
FOSSILS: BENTHIC FORAMINIFERA, FOSSIL FRAGMENTS, CONES;
DICTYOCONUS COOKEI, LEPIDOCYCLINA, COSKINOLINA FLORIDANA.

925 - 930 LIMESTONE; VERY LIGHT ORANGE TO LIGHT GRAYISH BROWN; INTERGRANULAR, VUGULAR;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: VERY FINE TO CRYPTOCRYSTALLINE; POOR INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX, SPARRY CALCITE CEMENT;
SEDIMENTARY STRUCTURES: BEDDED,
ACCESSORY MINERALS: PHOSPHATIC SAND-01%, SPAR-10%;
OTHER FEATURES: GRANULAR, MEDIUM RECRYSTALLIZATION, CALCAREOUS, WEATHERED, CHALKY;
FOSSILS: BRYOZOA, FOSSIL FRAGMENTS, BENTHIC FORAMINIFERA, SPICULES, CONES;
COSKINOLINA FLORIDANA, LEPIDOCYCLINA.

930 - 935 LIMESTONE; VERY LIGHT ORANGE TO LIGHT GRAYISH BROWN; INTERGRANULAR;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: VERY FINE TO CRYPTOCRYSTALLINE; POOR INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX, SPARRY CALCITE CEMENT;
SEDIMENTARY STRUCTURES: BEDDED,
ACCESSORY MINERALS: SPAR-10%;
OTHER FEATURES: GRANULAR, MEDIUM RECRYSTALLIZATION, CALCAREOUS, WEATHERED, CHALKY;
FOSSILS: FOSSIL FRAGMENTS, BENTHIC FORAMINIFERA, SPICULES, CONES;
COSKINOLINA FLORIDANA, DICTYOCONUS COOKEI.

935 - 940 LIMESTONE; VERY LIGHT ORANGE TO LIGHT GRAYISH BROWN; INTERGRANULAR;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: VERY FINE TO CRYPTOCRYSTALLINE; GOOD INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX, SPARRY CALCITE CEMENT;
SEDIMENTARY STRUCTURES: MASSIVE,
ACCESSORY MINERALS: SPAR-10%;
OTHER FEATURES: GRANULAR, MEDIUM RECRYSTALLIZATION, CALCAREOUS, WEATHERED, CHALKY;
FOSSILS: FOSSIL FRAGMENTS, BENTHIC FORAMINIFERA, SHARKS TEETH, SPICULES, CONES;
COSKINOLINA FLORIDANA, DICTYOCONUS COOKEI.

940 - 945 LIMESTONE; WHITE TO LIGHT GRAYISH BROWN; INTERGRANULAR;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: VERY FINE TO CRYPTOCRYSTALLINE; GOOD INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX, SPARRY CALCITE CEMENT;
SEDIMENTARY STRUCTURES: MASSIVE,
ACCESSORY MINERALS: SPAR-10%;
OTHER FEATURES: GRANULAR, MEDIUM RECRYSTALLIZATION, CALCAREOUS, WEATHERED, CHALKY;
FOSSILS: FOSSIL FRAGMENTS, BENTHIC FORAMINIFERA, ECHINOID;
NUMMULITES, DICTY. COOKEI, COSKINOLINA FLORIDANA.

945 - 950 LIMESTONE; WHITE TO LIGHT GRAYISH BROWN; INTERGRANULAR;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: VERY FINE TO CRYPTOCRYSTALLINE; GOOD INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX, SPARRY CALCITE CEMENT;
SEDIMENTARY STRUCTURES: MASSIVE,
ACCESSORY MINERALS: SPAR-10%;
OTHER FEATURES: GRANULAR, MEDIUM RECRYSTALLIZATION, CALCAREOUS, WEATHERED, COQUINA;
FOSSILS: FOSSIL FRAGMENTS, BENTHIC FORAMINIFERA, ECHINOID, MOLLUSKS;
PERONELLA DALLI, OPERCULINOIDES, DICTY. COOKEI, COSKINOLINA FLORIDANA.

950 - 955 LIMESTONE; WHITE TO LIGHT GRAYISH BROWN; INTERGRANULAR;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: VERY FINE TO CRYPTOCRYSTALLINE; GOOD INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX, SPARRY CALCITE CEMENT;
SEDIMENTARY STRUCTURES: BEDDED,
ACCESSORY MINERALS: PHOSPHATIC SAND-01%, PYRITE- %, SPAR-10%;
OTHER FEATURES: GRANULAR, MEDIUM RECRYSTALLIZATION, CALCAREOUS, WEATHERED, COQUINA;
FOSSILS: FOSSIL FRAGMENTS, BENTHIC FORAMINIFERA, CONES;

955 - 960 AS ABOVE

960 - 965 AS ABOVE

965 - 970 LIMESTONE; VERY LIGHT ORANGE TO LIGHT GRAYISH BROWN; INTERGRANULAR;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: VERY FINE TO CRYPTOCRYSTALLINE; POOR INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: BEDDED,
ACCESSORY MINERALS: PHOSPHATIC SAND-01%, SPAR-05%;
OTHER FEATURES: SUCROSIC, MEDIUM RECRYSTALLIZATION, CALCAREOUS, WEATHERED, CHALKY;
FOSSILS: FOSSIL FRAGMENTS, BENTHIC FORAMINIFERA, CONES;
LEPIDOCYCLINA, COSKINOLINA FLORIDANA, OPERCULINOIDES.

970 - 975 LIMESTONE; VERY LIGHT ORANGE TO LIGHT GRAYISH BROWN; INTERGRANULAR;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: VERY FINE TO CRYPTOCRYSTALLINE; MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
ACCESSORY MINERALS: PHOSPHATIC SAND-01%, SPAR-05%;
OTHER FEATURES: GRANULAR, MEDIUM RECRYSTALLIZATION, CALCAREOUS, WEATHERED, CHALKY;
FOSSILS: BENTHIC FORAMINIFERA, FOSSIL FRAGMENTS, CONES;

975 - 980 LIMESTONE; WHITE TO LIGHT GRAYISH BROWN; INTERGRANULAR;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: VERY FINE TO CRYPTOCRYSTALLINE; GOOD INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX, SPARRY CALCITE CEMENT;
SEDIMENTARY STRUCTURES: BEDDED,
ACCESSORY MINERALS: PHOSPHATIC SAND-01%, SPAR-10%;
OTHER FEATURES: GRANULAR, MEDIUM RECRYSTALLIZATION, CALCAREOUS, WEATHERED, CHALKY;
FOSSILS: FOSSIL FRAGMENTS, BENTHIC FORAMINIFERA, CONES;
NUMMULITES, LEPIDOCYCLINA, OPERCULINOIDES.

980 - 985 LIMESTONE; VERY LIGHT ORANGE TO LIGHT GRAYISH BROWN; INTERGRANULAR;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: VERY FINE TO CRYPTOCRYSTALLINE; POOR INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: BEDDED,
ACCESSORY MINERALS: PHOSPHATIC SAND-01%, SPAR-05%;
OTHER FEATURES: GRANULAR, MEDIUM RECRYSTALLIZATION, CALCAREOUS, WEATHERED;
FOSSILS: FOSSIL FRAGMENTS, BENTHIC FORAMINIFERA, CONES, BRYOZOA;
NUMMULITES, COSKINOLINA FLORIDANA, OPERCULINOIDES.

985 - 990 LIMESTONE; WHITE TO LIGHT GRAYISH BROWN; INTERGRANULAR;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: VERY FINE TO CRYPTOCRYSTALLINE; GOOD INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: BEDDED,
ACCESSORY MINERALS: PHOSPHATIC SAND-01%, IRON STAIN- %, SPAR-05%;
OTHER FEATURES: SUCROSIC, MEDIUM RECRYSTALLIZATION, CALCAREOUS, WEATHERED, MUDDY;
FOSSILS: FOSSIL FRAGMENTS, BENTHIC FORAMINIFERA, SPICULES, BRYOZOA, CONES;
NUMMULITES, COSKINOLINA FLORIDANA, LEPIDOCYCLINA.

990 - 995 LIMESTONE; WHITE TO LIGHT GRAYISH BROWN; INTERGRANULAR;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: VERY FINE TO CRYPTOCRYSTALLINE; GOOD INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: MASSIVE,
ACCESSORY MINERALS: PHOSPHATIC SAND-01%, SILT- %, SPAR-05%, DOLOMITE- %;
OTHER FEATURES: GRANULAR, MEDIUM RECRYSTALLIZATION, CALCAREOUS, WEATHERED, VARIEGATED;
FOSSILS: FOSSIL FRAGMENTS, BENTHIC FORAMINIFERA, SPICULES, BRYOZOA, CONES;

995 - 1000 AS ABOVE

1000 - 1005 AS ABOVE

1005 - 1010 AS ABOVE

1010 - 1015 AS ABOVE

1015 - 1020 AS ABOVE

1020 - 1025 AS ABOVE

1025 - 1030 AS ABOVE

1030 - 1035 AS ABOVE

1035 - 1040 LIMESTONE; WHITE TO LIGHT GRAYISH BROWN; INTERGRANULAR;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: VERY FINE TO CRYPTOCRYSTALLINE; GOOD INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: MASSIVE,
ACCESSORY MINERALS: PHOSPHATIC SAND-01%, SILT- %, SPAR-05%, DOLOMITE- %;
OTHER FEATURES: GRANULAR, MEDIUM RECRYSTALLIZATION, CALCAREOUS, WEATHERED, MUDDY;
FOSSILS: FOSSIL FRAGMENTS, BENTHIC FORAMINIFERA, SPICULES, BRYOZOA, CONES;
PERONELLA DALLI, NUMMULITES, COSKINOLINA FLORIDANA, LEPIDOCYCYLINA.

1040 - 1045 LIMESTONE; WHITE TO LIGHT GRAYISH BROWN; INTERGRANULAR;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: VERY FINE TO CRYPTOCRYSTALLINE; GOOD INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: MASSIVE,
ACCESSORY MINERALS: PHOSPHATIC SAND-01%, SILT- %, SPAR-05%, DOLOMITE- %;
OTHER FEATURES: GRANULAR, MEDIUM RECRYSTALLIZATION, CALCAREOUS, WEATHERED, VARIEGATED;
FOSSILS: FOSSIL FRAGMENTS, BENTHIC FORAMINIFERA, SPICULES, BRYOZOA, CONES;

1045 - 1050 AS ABOVE

1050 - 1055 AS ABOVE

1055 - 1060 AS ABOVE

1060 - 1065 AS ABOVE

1065 - 1070 LIMESTONE; MODERATE GRAY TO LIGHT GRAYISH BROWN; INTERGRANULAR, PIN POINT VUGS, INTERCRYSTALLINE;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: VERY FINE TO CRYPTOCRYSTALLINE; GOOD INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX, DOLOMITE CEMENT;
SEDIMENTARY STRUCTURES: MASSIVE,
ACCESSORY MINERALS: DOLOMITE- %, SPAR-01%;
OTHER FEATURES: GRANULAR, MEDIUM RECRYSTALLIZATION, CALCAREOUS, WEATHERED, COQUINA;
FOSSILS: BENTHIC FORAMINIFERA, ECHINOID, CONES;
COSKINOLINA FLORIDANA, LEPIDOCYCLINA.

1070 - 1075 LIMESTONE; MODERATE GRAY TO LIGHT GRAYISH BROWN; INTERGRANULAR, PIN POINT VUGS, INTERCRYSTALLINE;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: VERY FINE TO CRYPTOCRYSTALLINE; GOOD INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX, DOLOMITE CEMENT;
SEDIMENTARY STRUCTURES: MASSIVE,
ACCESSORY MINERALS: DOLOMITE- %, SPAR-05%;
OTHER FEATURES: GRANULAR, MEDIUM RECRYSTALLIZATION, CALCAREOUS, WEATHERED, COQUINA;
FOSSILS: BENTHIC FORAMINIFERA, ECHINOID, CONES;

1075 - 1080 AS ABOVE

1080 - 1085 DK BROWN CHERT.

1085 - 1090 LIMESTONE; MODERATE GRAY TO LIGHT GRAYISH BROWN; INTERGRANULAR, PIN POINT VUGS, INTERCRYSTALLINE;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: VERY FINE TO CRYPTOCRYSTALLINE; GOOD INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX, DOLOMITE CEMENT;
SEDIMENTARY STRUCTURES: BEDDED,
ACCESSORY MINERALS: DOLOMITE- %, CLAY- %, SPAR-05%;
FOSSILS: CONES, BENTHIC FORAMINIFERA;
SILTY CLAY.

1090 - 1095 LIMESTONE; MODERATE GRAY TO LIGHT GRAYISH BROWN; INTERGRANULAR, PIN POINT VUGS, INTERCRYSTALLINE;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: VERY FINE TO CRYPTOCRYSTALLINE; GOOD INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX, DOLOMITE CEMENT;
SEDIMENTARY STRUCTURES: BEDDED,
ACCESSORY MINERALS: DOLOMITE- %;
OTHER FEATURES: SUCROSIC;
FOSSILS: CORAL, BENTHIC FORAMINIFERA;
NUMMULITES.

1095 - 1100 LIMESTONE; MODERATE GRAY TO LIGHT GRAYISH BROWN; INTERGRANULAR, PIN POINT VUGS, INTERCRYSTALLINE;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: VERY FINE TO CRYPTOCRYSTALLINE; GOOD INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX, DOLOMITE CEMENT;
SEDIMENTARY STRUCTURES: MASSIVE,
ACCESSORY MINERALS: DOLOMITE- %, PHOSPHATIC GRAVEL-01%, PHOSPHATIC SAND-01%, SPAR-05%;
OTHER FEATURES: SUCROSIC;
FOSSILS: ECHINOID, FOSSIL FRAGMENTS, CONES, BENTHIC FORAMINIFERA, SPICULES;
LEPIDOCYCLINA, COSKINOLINA FLORIDANA.

1100 - 1105 LIMESTONE; MODERATE GRAY TO LIGHT GRAYISH BROWN; INTERGRANULAR, PIN POINT VUGS, INTERCRYSTALLINE;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: VERY FINE TO CRYPTOCRYSTALLINE; GOOD INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX, DOLOMITE CEMENT;
SEDIMENTARY STRUCTURES: MASSIVE,
ACCESSORY MINERALS: DOLOMITE- %, PHOSPHATIC GRAVEL-01%, SILT- %, SPAR-05%;
OTHER FEATURES: SUCROSIC;
FOSSILS: BENTHIC FORAMINIFERA;
NUMMULITES, LEPIDOCYCLINA.

1105 - 1110 LIMESTONE; MODERATE GRAY TO LIGHT GRAYISH BROWN; INTERGRANULAR, PIN POINT VUGS, INTERCRYSTALLINE;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: VERY FINE TO CRYPTOCRYSTALLINE; GOOD INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX, DOLOMITE CEMENT;
SEDIMENTARY STRUCTURES: MASSIVE,
ACCESSORY MINERALS: DOLOMITE- %, PHOSPHATIC GRAVEL-01%, SILT- %, SPAR-05%;
OTHER FEATURES: SUCROSIC;
FOSSILS: BENTHIC FORAMINIFERA, CONES;
COSKINOLINA FLORIDANA, LEPIDOCYCLINA.

1110 - 1115 LIMESTONE; LIGHT BROWN; INTERGRANULAR, PIN POINT VUGS, INTERCRYSTALLINE;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: VERY FINE TO CRYPTOCRYSTALLINE; GOOD INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: BEDDED,
ACCESSORY MINERALS: PHOSPHATIC GRAVEL-01%;
FOSSILS: BENTHIC FORAMINIFERA, CONES;

1115 - 1120 LIMESTONE; MODERATE GRAY TO LIGHT GRAYISH BROWN; INTERGRANULAR, PIN POINT VUGS, INTERCRYSTALLINE;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: VERY FINE TO CRYPTOCRYSTALLINE; GOOD INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX, DOLOMITE CEMENT;
SEDIMENTARY STRUCTURES: MASSIVE,
ACCESSORY MINERALS: DOLOMITE- %, PHOSPHATIC GRAVEL-01%;
OTHER FEATURES: SUCROSIC;
FOSSILS: BENTHIC FORAMINIFERA, CONES;
COSKINOLINA FLORIDANA, LEPIDOCYCLINA.

1120 - 1125 LIMESTONE; MODERATE GRAY TO LIGHT GRAYISH BROWN; INTERGRANULAR, PIN POINT VUGS, INTERCRYSTALLINE;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: VERY FINE TO CRYPTOCRYSTALLINE; GOOD INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX, DOLOMITE CEMENT;
SEDIMENTARY STRUCTURES: MASSIVE,
ACCESSORY MINERALS: DOLOMITE- %, PHOSPHATIC GRAVEL-01%;
OTHER FEATURES: SUCROSIC;
FOSSILS: BENTHIC FORAMINIFERA, CONES;

1125 - 1130 LIMESTONE; MODERATE GRAY TO LIGHT GRAYISH BROWN; INTERGRANULAR, PIN POINT VUGS, INTERCRYSTALLINE;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: VERY FINE TO CRYPTOCRYSTALLINE; GOOD INDURATION;
CEMENT TYPE(S): DOLOMITE CEMENT, CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: BEDDED,
ACCESSORY MINERALS: DOLOMITE- %, PHOSPHATIC GRAVEL-01%, CHERT- %;
OTHER FEATURES: SUCROSIC;
FOSSILS: BENTHIC FORAMINIFERA, CONES;
DK BROWNISH BLACK CHERT.

1130 - 1135 LIMESTONE; MODERATE GRAY TO LIGHT GRAYISH BROWN; INTERGRANULAR, PIN POINT VUGS, INTERCRYSTALLINE;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: VERY FINE TO CRYPTOCRYSTALLINE; GOOD INDURATION;
CEMENT TYPE(S): DOLOMITE CEMENT, CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: MASSIVE,
ACCESSORY MINERALS: DOLOMITE- %, PHOSPHATIC GRAVEL-01%;
OTHER FEATURES: SUCROSIC;
FOSSILS: BENTHIC FORAMINIFERA, CONES;

1135 - 1140 LIMESTONE; MODERATE GRAY TO LIGHT GRAYISH BROWN; INTERGRANULAR, PIN POINT VUGS, INTERCRYSTALLINE;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: VERY FINE TO CRYPTOCRYSTALLINE; GOOD INDURATION;
CEMENT TYPE(S): DOLOMITE CEMENT, CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: MASSIVE,
ACCESSORY MINERALS: DOLOMITE- %, PHOSPHATIC GRAVEL-01%;
OTHER FEATURES: SUCROSIC;
FOSSILS: BENTHIC FORAMINIFERA, CONES, ECHINOID;

1140 - 1145 AS ABOVE

1145 - 1150 LIMESTONE; BROWNISH GRAY TO LIGHT GRAYISH BROWN; INTERGRANULAR, PIN POINT VUGS, INTERCRYSTALLINE;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: VERY FINE TO CRYPTOCRYSTALLINE; GOOD INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX, DOLOMITE CEMENT;
SEDIMENTARY STRUCTURES: BEDDED,
ACCESSORY MINERALS: DOLOMITE- %, PHOSPHATIC GRAVEL-01%, CHERT- %, CLAY- %;
OTHER FEATURES: SUCROSIC;
FOSSILS: BENTHIC FORAMINIFERA;
DK BROWN CHERT, CALCITIC CLAY, NUMMULITES, LEPIDOCYCLINA.

1150 - 1155 LIMESTONE; BROWNISH GRAY TO LIGHT GRAYISH BROWN; INTERGRANULAR, PIN POINT VUGS, INTERCRYSTALLINE;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: VERY FINE TO CRYPTOCRYSTALLINE; GOOD INDURATION;
CEMENT TYPE(S): DOLOMITE CEMENT, CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: MASSIVE,
ACCESSORY MINERALS: DOLOMITE- %, PHOSPHATIC GRAVEL-01%, CHERT- %, CLAY- %;
OTHER FEATURES: SUCROSIC;
FOSSILS: BENTHIC FORAMINIFERA;

1155 - 1160 AS ABOVE

1160 - 1165 AS ABOVE

1165 - 1170 LIMESTONE; LIGHT BROWNISH GRAY TO LIGHT BROWN; INTERGRANULAR, PIN POINT VUGS, INTERCRYSTALLINE;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: VERY FINE TO CRYPTOCRYSTALLINE; GOOD INDURATION;
CEMENT TYPE(S): DOLOMITE CEMENT, CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: MASSIVE,
ACCESSORY MINERALS: DOLOMITE- %, PHOSPHATIC GRAVEL-01%, SILT- %;
FOSSILS: BENTHIC FORAMINIFERA;

1170 - 1175 LIMESTONE; LIGHT BROWNISH GRAY TO LIGHT BROWN; INTERGRANULAR, PIN POINT VUGS, INTERCRYSTALLINE;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: VERY FINE TO CRYPTOCRYSTALLINE; GOOD INDURATION;
CEMENT TYPE(S): DOLOMITE CEMENT, CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: MASSIVE,
ACCESSORY MINERALS: DOLOMITE- %, PHOSPHATIC GRAVEL-01%, SILT- %;
FOSSILS: BENTHIC FORAMINIFERA, CONES;
COSKINOLINA FLORIDANA.

1175 - 1180 LIMESTONE; LIGHT BROWNISH GRAY TO LIGHT BROWN; INTERGRANULAR, PIN POINT VUGS, INTERCRYSTALLINE;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: VERY FINE TO CRYPTOCRYSTALLINE; GOOD INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX, DOLOMITE CEMENT;
SEDIMENTARY STRUCTURES: BEDDED,
ACCESSORY MINERALS: DOLOMITE- %, PHOSPHATIC GRAVEL-01%, SILT- %, CHERT- %;
FOSSILS: BENTHIC FORAMINIFERA, CONES;
DK BROWN CHERT.

1180 - 1185 NO SAMPLES

1185 - 1190 LIMESTONE; LIGHT BROWN; INTERGRANULAR, PIN POINT VUGS, INTERCRYSTALLINE;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: VERY FINE TO CRYPTOCRYSTALLINE; GOOD INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX, DOLOMITE CEMENT;
SEDIMENTARY STRUCTURES: BEDDED,
ACCESSORY MINERALS: DOLOMITE- %, SPAR- %;
OTHER FEATURES: SUCROSIC, WEATHERED, CALCAREOUS, MEDIUM RECRYSTALLIZATION;
FOSSILS: BENTHIC FORAMINIFERA, CONES;
COSKINOLINA FLORIDANA.

1190 - 1195 LIMESTONE; LIGHT BROWN; INTERGRANULAR, PIN POINT VUGS, INTERCRYSTALLINE;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: VERY FINE TO CRYPTOCRYSTALLINE; GOOD INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX, DOLOMITE CEMENT;
SEDIMENTARY STRUCTURES: BEDDED,
ACCESSORY MINERALS: DOLOMITE- %, CLAY- %;
OTHER FEATURES: SUCROSIC, WEATHERED, CALCAREOUS, MEDIUM RECRYSTALLIZATION;
FOSSILS: BENTHIC FORAMINIFERA, CONES;
CALCITIC SILTY CLAY, GRAY BROWN DOLOMITE, DICTY. COOKEI.

1195 - 1200 LIMESTONE; LIGHT BROWN; INTERGRANULAR, PIN POINT VUGS, INTERCRYSTALLINE;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: VERY FINE TO CRYPTOCRYSTALLINE; GOOD INDURATION;
CEMENT TYPE(S): DOLOMITE CEMENT, CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: MASSIVE,
ACCESSORY MINERALS: DOLOMITE- %, CLAY- %;
OTHER FEATURES: SUCROSIC, WEATHERED, CALCAREOUS, MEDIUM RECRYSTALLIZATION;
FOSSILS: BENTHIC FORAMINIFERA, CONES;

1200 - 1205 LIMESTONE; MODERATE LIGHT GRAY TO LIGHT BROWN; INTERGRANULAR, PIN POINT VUGS, INTERCRYSTALLINE;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: VERY FINE TO CRYPTOCRYSTALLINE; GOOD INDURATION;
CEMENT TYPE(S): DOLOMITE CEMENT, CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: MASSIVE,
ACCESSORY MINERALS: DOLOMITE- %, CHERT- %;
OTHER FEATURES: SUCROSIC, WEATHERED, CALCAREOUS, MEDIUM RECRYSTALLIZATION;
FOSSILS: BENTHIC FORAMINIFERA, CONES, FOSSIL FRAGMENTS;
LEPIDOCYCLINA, COSKINOLINA FLORIDANA.

1205 - 1210 LIMESTONE; MODERATE LIGHT GRAY TO LIGHT BROWN; INTERGRANULAR, PIN POINT VUGS, INTERCRYSTALLINE;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: VERY FINE TO CRYPTOCRYSTALLINE; GOOD INDURATION;
CEMENT TYPE(S): DOLOMITE CEMENT, CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: MASSIVE,
ACCESSORY MINERALS: DOLOMITE- %;
OTHER FEATURES: SUCROSIC, WEATHERED, CALCAREOUS, MEDIUM RECRYSTALLIZATION;
FOSSILS: BENTHIC FORAMINIFERA, CONES, FOSSIL FRAGMENTS;

1210 - 1215 AS ABOVE

1215 - 1220 AS ABOVE

1220 - 1225 AS ABOVE

1225 - 1230 LIMESTONE; MODERATE LIGHT GRAY TO LIGHT BROWN; INTERGRANULAR, PIN POINT VUGS, INTERCRYSTALLINE;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: MICROCRYSTALLINE TO CRYPTOCRYSTALLINE;
GOOD INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX, DOLOMITE CEMENT;
SEDIMENTARY STRUCTURES: MASSIVE,
ACCESSORY MINERALS: DOLOMITE- %;
OTHER FEATURES: SUCROSIC, WEATHERED, CALCAREOUS, MEDIUM RECRYSTALLIZATION;
FOSSILS: BENTHIC FORAMINIFERA, CONES, FOSSIL FRAGMENTS, ECHINOID;
COSKINOLINA FLORIDANA, PERONELLA DALLI.

1230 - 1235 LIMESTONE; MODERATE LIGHT GRAY TO LIGHT BROWN; INTERGRANULAR, PIN POINT VUGS, INTERCRYSTALLINE;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: MICROCRYSTALLINE TO CRYPTOCRYSTALLINE;
GOOD INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX, DOLOMITE CEMENT;
SEDIMENTARY STRUCTURES: MASSIVE,
ACCESSORY MINERALS: DOLOMITE- %;
OTHER FEATURES: SUCROSIC, WEATHERED, CALCAREOUS, MEDIUM RECRYSTALLIZATION, FROSTED;
FOSSILS: CONES, FOSSIL FRAGMENTS;
DICTY. COOKEI, COSKINOLINA FLORIDANA.

1235 - 1240 LIMESTONE; MODERATE LIGHT GRAY TO LIGHT BROWN; INTERGRANULAR, PIN POINT VUGS, INTERCRYSTALLINE;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: MICROCRYSTALLINE TO CRYPTOCRYSTALLINE;
GOOD INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX, DOLOMITE CEMENT;
SEDIMENTARY STRUCTURES: MASSIVE,
ACCESSORY MINERALS: DOLOMITE- %, GYPSUM- %;
OTHER FEATURES: SUCROSIC, WEATHERED, CALCAREOUS, MEDIUM RECRYSTALLIZATION;
FOSSILS: BENTHIC FORAMINIFERA, CONES, FOSSIL FRAGMENTS;
GYPSUM?.

1240 - 1245 LIMESTONE; MODERATE LIGHT GRAY TO LIGHT BROWN; INTERGRANULAR, PIN POINT VUGS, INTERCRYSTALLINE;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: MICROCRYSTALLINE TO CRYPTOCRYSTALLINE;
GOOD INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX, DOLOMITE CEMENT;
SEDIMENTARY STRUCTURES: MASSIVE,
ACCESSORY MINERALS: DOLOMITE- %, CHERT- %;
OTHER FEATURES: SUCROSIC, WEATHERED, CALCAREOUS, MEDIUM RECRYSTALLIZATION;
FOSSILS: BENTHIC FORAMINIFERA, CONES, FOSSIL FRAGMENTS;
LEPIDOCYCLINA.

1245 - 1250 LIMESTONE; MODERATE LIGHT GRAY TO LIGHT BROWN; INTERGRANULAR, PIN POINT VUGS, INTERCRYSTALLINE;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: MICROCRYSTALLINE TO CRYPTOCRYSTALLINE;
GOOD INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX, DOLOMITE CEMENT;
SEDIMENTARY STRUCTURES: BEDDED,
ACCESSORY MINERALS: DOLOMITE- %;
OTHER FEATURES: SUCROSIC, WEATHERED, CALCAREOUS, MEDIUM RECRYSTALLIZATION;
FOSSILS: BENTHIC FORAMINIFERA, CONES, FOSSIL FRAGMENTS, ORGANICS, MOLLUSKS;
BLACK LIGNITE.

1250 - 1255 DOLOMITE; BROWNISH GRAY TO LIGHT BROWN; FRACTURE, INTERGRANULAR, PIN POINT VUGS; 50-90% ALTERED; SUBHEDRAL;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: CRYPTOCRYSTALLINE TO MICROCRYSTALLINE;
GOOD INDURATION;
CEMENT TYPE(S): DOLOMITE CEMENT;
SEDIMENTARY STRUCTURES: BEDDED,
ACCESSORY MINERALS: LIMESTONE- %;
OTHER FEATURES: SUCROSIC, WEATHERED, CALCAREOUS, MEDIUM RECRYSTALLIZATION;
FOSSILS: BENTHIC FORAMINIFERA, CONES;
DICTYOCONUS AMERICANUS?.

1255 - 1260 DOLOMITE; BROWNISH GRAY TO LIGHT BROWN; FRACTURE, INTERGRANULAR, PIN POINT VUGS; 50-90% ALTERED; SUBHEDRAL;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: CRYPTOCRYSTALLINE TO MICROCRYSTALLINE;
GOOD INDURATION;
CEMENT TYPE(S): DOLOMITE CEMENT;
SEDIMENTARY STRUCTURES: BEDDED,
ACCESSORY MINERALS: LIMESTONE- %;
OTHER FEATURES: SUCROSIC, WEATHERED, CALCAREOUS, MEDIUM RECRYSTALLIZATION;
FOSSILS: BENTHIC FORAMINIFERA, CONES;

1260 - 1270 AS ABOVE

1270 - 1275 AS ABOVE

1275 - 1280 AS ABOVE

1280 - 1285 LIMESTONE; BROWNISH GRAY TO LIGHT BROWN; FRACTURE, INTERGRANULAR, PIN POINT VUGS;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: MICROCRYSTALLINE TO CRYPTOCRYSTALLINE;
GOOD INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX, DOLOMITE CEMENT;
SEDIMENTARY STRUCTURES: BEDDED,
ACCESSORY MINERALS: DOLOMITE- %, GYPSUM- %;
OTHER FEATURES: SUCROSIC, WEATHERED, CALCAREOUS, MEDIUM RECRYSTALLIZATION;
FOSSILS: ECHINOID, BENTHIC FORAMINIFERA, CONES;
GYPSUM?, (COSKINOLINA FLORIDANA, LEP. --CAVINGS?)

1285 - 1290 LIMESTONE; BROWNISH GRAY TO LIGHT BROWN; FRACTURE, INTERGRANULAR, PIN POINT VUGS;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: MICROCRYSTALLINE TO CRYPTOCRYSTALLINE;
GOOD INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX, DOLOMITE CEMENT;
SEDIMENTARY STRUCTURES: MOTTLED, BEDDED,
ACCESSORY MINERALS: DOLOMITE- %;
OTHER FEATURES: SUCROSIC, WEATHERED, CALCAREOUS, MEDIUM RECRYSTALLIZATION;
FOSSILS: BENTHIC FORAMINIFERA, CONES;

1290 - 1295 AS ABOVE

1295 - 1300 AS ABOVE

1300 - 1305 LIMESTONE; BROWNISH GRAY TO LIGHT BROWN; FRACTURE, INTERGRANULAR, PIN POINT VUGS;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: MICROCRYSTALLINE TO CRYPTOCRYSTALLINE;
GOOD INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX, DOLOMITE CEMENT;
SEDIMENTARY STRUCTURES: MOTTLED, BEDDED,
ACCESSORY MINERALS: DOLOMITE- %, SPAR- %;
OTHER FEATURES: SUCROSIC, WEATHERED, CALCAREOUS, MEDIUM RECRYSTALLIZATION;
FOSSILS: BRYOZOA, BENTHIC FORAMINIFERA;

1305 - 1310 LIMESTONE; BROWNISH GRAY TO LIGHT BROWN; FRACTURE, INTERGRANULAR, PIN POINT VUGS;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: MICROCRYSTALLINE TO CRYPTOCRYSTALLINE;
GOOD INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX, DOLOMITE CEMENT;
SEDIMENTARY STRUCTURES: BEDDED, MOTTLED,
ACCESSORY MINERALS: DOLOMITE- %, PLANT REMAINS-01%, PHOSPHATIC SAND-01%, SPAR-01%;
OTHER FEATURES: SUCROSIC, WEATHERED, CALCAREOUS, MEDIUM RECRYSTALLIZATION;
FOSSILS: BENTHIC FORAMINIFERA;

1310 - 1315 LIMESTONE; BROWNISH GRAY TO LIGHT BROWN; FRACTURE, INTERGRANULAR, PIN POINT VUGS;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: MICROCRYSTALLINE TO CRYPTOCRYSTALLINE;
GOOD INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX, DOLOMITE CEMENT;
SEDIMENTARY STRUCTURES: MASSIVE,
ACCESSORY MINERALS: DOLOMITE- %, CLAY- %;
OTHER FEATURES: SUCROSIC, WEATHERED, CALCAREOUS, MEDIUM RECRYSTALLIZATION;
FOSSILS: BENTHIC FORAMINIFERA;

1315 - 1320 LIMESTONE; BROWNISH GRAY TO LIGHT BROWN; FRACTURE, INTERGRANULAR, PIN POINT VUGS;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: MICROCRYSTALLINE TO CRYPTOCRYSTALLINE;
GOOD INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX, DOLOMITE CEMENT;
SEDIMENTARY STRUCTURES: MASSIVE,
ACCESSORY MINERALS: DOLOMITE- %, CLAY- %;
OTHER FEATURES: SUCROSIC, CALCAREOUS, WEATHERED, MEDIUM RECRYSTALLIZATION;
FOSSILS: BENTHIC FORAMINIFERA, CONES;
CALCITIC SILTY CLAY, LAGENA, (LEPIDOCYCLINA, DICTY. COOKEI).

1320 - 1325 LIMESTONE; BROWNISH GRAY TO LIGHT BROWN; FRACTURE, INTERGRANULAR, PIN POINT VUGS;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: MICROCRYSTALLINE TO CRYPTOCRYSTALLINE;
GOOD INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX, DOLOMITE CEMENT;
SEDIMENTARY STRUCTURES: MASSIVE,
ACCESSORY MINERALS: DOLOMITE- %, CLAY- %, PEAT- %;
OTHER FEATURES: SUCROSIC, WEATHERED, CALCAREOUS, MEDIUM RECRYSTALLIZATION;
FOSSILS: BENTHIC FORAMINIFERA;
DK BRN ORGANICS, CALCITIC SILTY CLAY, (NUMMILITES-CAVING?).

1325 - 1330 LIMESTONE; BROWNISH GRAY TO LIGHT BROWN; FRACTURE, INTERGRANULAR, PIN POINT VUGS;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: MICROCRYSTALLINE TO CRYPTOCRYSTALLINE;
GOOD INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX, DOLOMITE CEMENT;
SEDIMENTARY STRUCTURES: MASSIVE,
ACCESSORY MINERALS: DOLOMITE- %, CHERT- %, PYRITE- %;
OTHER FEATURES: SUCROSIC, WEATHERED, CALCAREOUS, MEDIUM RECRYSTALLIZATION;
FOSSILS: BENTHIC FORAMINIFERA, CONES;
GRAYISH BROWN CHERT, PYRITE, BRYOZOAN, DICTY. AMERICANUS?.

1330 - 1335 LIMESTONE; BROWNISH GRAY TO LIGHT BROWN; FRACTURE, INTERGRANULAR, PIN POINT VUGS;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: MICROCRYSTALLINE TO CRYPTOCRYSTALLINE;
GOOD INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX, DOLOMITE CEMENT;
SEDIMENTARY STRUCTURES: MASSIVE,
ACCESSORY MINERALS: DOLOMITE- %;
OTHER FEATURES: SUCROSIC, WEATHERED, CALCAREOUS, MEDIUM RECRYSTALLIZATION;
FOSSILS: ECHINOID, CONES;

1335 - 1340 AS ABOVE

1340 - 1345 AS ABOVE

1345 - 1350 LIMESTONE; BROWNISH GRAY TO LIGHT BROWN; FRACTURE, INTERGRANULAR, PIN POINT VUGS;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: MICROCRYSTALLINE TO CRYPTOCRYSTALLINE;
GOOD INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX, DOLOMITE CEMENT;
SEDIMENTARY STRUCTURES: MASSIVE,
ACCESSORY MINERALS: DOLOMITE- %, PHOSPHATIC SAND- %;
OTHER FEATURES: SUCROSIC, WEATHERED, CALCAREOUS, MEDIUM RECRYSTALLIZATION;
FOSSILS: BRYOZOA, CONES, BENTHIC FORAMINIFERA;

1350 - 1355 LIMESTONE; BROWNISH GRAY TO LIGHT BROWN; FRACTURE, INTERGRANULAR, PIN POINT VUGS;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: MICROCRYSTALLINE TO CRYPTOCRYSTALLINE;
GOOD INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX, DOLOMITE CEMENT;
SEDIMENTARY STRUCTURES: MASSIVE,
ACCESSORY MINERALS: DOLOMITE- %, CLAY- %;
OTHER FEATURES: SUCROSIC, WEATHERED, CALCAREOUS, MEDIUM RECRYSTALLIZATION;
FOSSILS: BENTHIC FORAMINIFERA, CONES;

1355 - 1360 LIMESTONE; BROWNISH GRAY TO LIGHT BROWN; FRACTURE, INTERGRANULAR, PIN POINT VUGS;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: MICROCRYSTALLINE TO CRYPTOCRYSTALLINE;
GOOD INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX, DOLOMITE CEMENT;
SEDIMENTARY STRUCTURES: MASSIVE,
ACCESSORY MINERALS: DOLOMITE- %, CLAY- %;
OTHER FEATURES: SUCROSIC, WEATHERED, CALCAREOUS, MEDIUM RECRYSTALLIZATION;
FOSSILS: ECHINOID, CONES;
DICTYOCONUS AMERICANUS?.

1360 - 1365 LIMESTONE; BROWNISH GRAY TO LIGHT BROWN; FRACTURE, INTERGRANULAR, PIN POINT VUGS;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: MICROCRYSTALLINE TO CRYPTOCRYSTALLINE;
GOOD INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX, DOLOMITE CEMENT;
SEDIMENTARY STRUCTURES: BANDED,
ACCESSORY MINERALS: DOLOMITE- %;
OTHER FEATURES: WEATHERED, SUCROSIC, CALCAREOUS, MEDIUM RECRYSTALLIZATION;
FOSSILS: CONES;

1365 - 1370 CLAY; LIGHT GREENISH GRAY; INTERGRANULAR, LOW PERMEABILITY; POOR INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: BANDED,
ACCESSORY MINERALS: PHOSPHATIC SAND-15%, QUARTZ SAND-03%, SILT-20%, LIMESTONE-10%;
OTHER FEATURES: SPECKLED, CALCAREOUS, WEATHERED;

1370 - 1375 LIMESTONE; YELLOWISH GRAY TO GREENISH GRAY; LOW PERMEABILITY, INTERCRYSTALLINE, INTERGRANULAR;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: VERY FINE TO CRYPTOCRYSTALLINE; MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
SEDIMENTARY STRUCTURES: BANDED,
ACCESSORY MINERALS: PHOSPHATIC SAND-10%, QUARTZ SAND-03%, SILT-15%, CLAY-40%;
OTHER FEATURES: SPECKLED, CALCAREOUS, WEATHERED, MEDIUM RECRYSTALLIZATION;
FOSSILS: BENTHIC FORAMINIFERA;

1375 - 1380 LIMESTONE; MODERATE GRAY TO LIGHT BROWN; INTERCRYSTALLINE, PIN POINT VUGS, INTERGRANULAR;
GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; RANGE: VERY FINE TO CRYPTOCRYSTALLINE; MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX, DOLOMITE CEMENT;
SEDIMENTARY STRUCTURES: BANDED,
ACCESSORY MINERALS: PHOSPHATIC SAND-05%, QUARTZ SAND-01%, DOLOMITE-10%;
OTHER FEATURES: MEDIUM RECRYSTALLIZATION, CALCAREOUS, WEATHERED;
FOSSILS: BENTHIC FORAMINIFERA;

1380 - 1385 LIMESTONE; MODERATE GRAY TO LIGHT BROWN; INTERCRYSTALLINE, PIN POINT VUGS, INTERGRANULAR;
GRAIN TYPE: CRYSTALS, CALCILUTITE;
GRAIN SIZE: MICROCRYSTALLINE; MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX, DOLOMITE CEMENT;
SEDIMENTARY STRUCTURES: BANDED,
ACCESSORY MINERALS: DOLOMITE-05%;
OTHER FEATURES: MEDIUM RECRYSTALLIZATION, CALCAREOUS, WEATHERED;

1385 TOTAL DEPTH