DOWN Construction Preliminary Data Titusville Astronaut High School

Aquifer System Monitor Wells: Floridan BR-1572

SJRWMD Program No. 31-58200

Division of Ground Water Programs,
Department of Resource Management
St. Johns River Water Management District
Palatka, Florida

October 27, 1999

All data, figures, tables and information are provisional and generated for the Division of Ground Water Program's use.

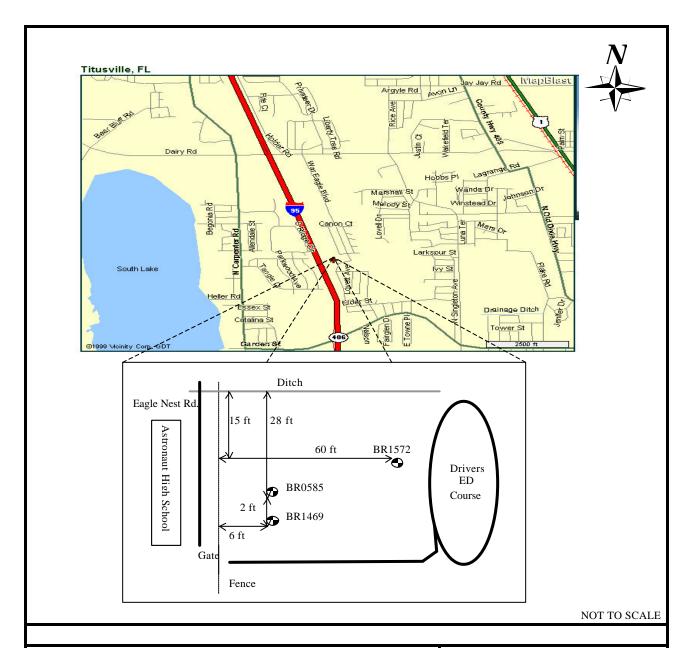
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Site Location

Asbuilt



Site: Titusville Astronaunt High School

Lat/Long: 283732/805100

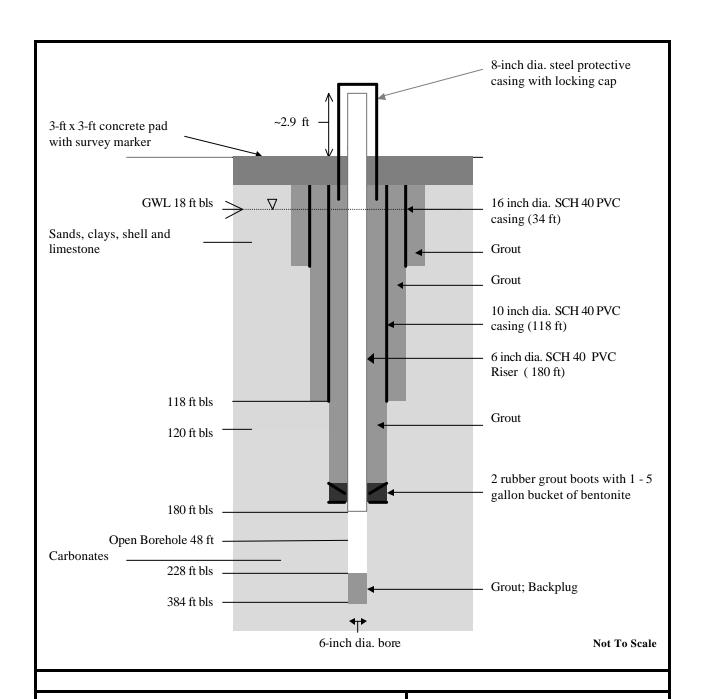
TRS: 213531 **Topo:** Mims

Site Elevation: ~28 ft NGVD

Project No: 31-58200

SJRWMD

Figure 1. Site Map



Site: Titusville Astronaut High School

Driller: SJRWMD

Well Completed: February 13, 1997

SJRWMD

Figure 2. Floridan Monitor Well BR-1572

Table 1. Groundwater Levels

Site: <u>Titusville Astronaut High School</u> Well Number: <u>BR-1572</u>

Water 1	Borehole			
Date/Time (yy:mm:dd/hh:mm)	Casing (ft, bls)	Rod (ft, bls)	Total Depth (ft, bls)	Open Hole (ft)
970127/1220	14.76	18.95	140	22
970127/1355	17.21	19.16	160	42
970127/1520	17.32	19.26	180	62
970128/0725	18.29	19.18	200	82
970128/0845	18.41	19.42	220	102
970128/1010	18.38	19.46	240	122
970128/1155	18.32	19.49	260	142
970128/1300	18.27	19.45	280	162
970128/1445	18.19	19.51	300	182
970129/0730	18.28	19.38	320	202
970129/0850	18.41	19.61	340	222
970129/1145	18.15	19.45	360	242
970129/1350	18.30	19.67	380	262
970130/0830	18.21	-	380	262

Table 2. Drilling Data

Site: <u>Titusville Astronaut High School</u>
Well Number: <u>BR-1572</u>

From	To	Bit Size	Time	Rate
(ft, bls)	(ft, bls)	(in.)	(min)	(ft/hr)
118	140	9 7/8	ı	1
140	160	9 7/8	31	39
160	180	9 7/8	20	60
180	200	9 7/8	22	55
200	220	9 7/8	27	44
220	240	9 7/8	28	43
240	260	9 7/8	34	35
260	280	9 7/8	23	52
280	300	9 7/8	65	18
300	320	9 7/8	49	24
320	340	9 7/8	28	43
340	360	9 7/8	72	17
360	380	9 7/8	64	19

Table 3. Groundwater Quality

Site: <u>Titusville Astronaut High School</u> Well Number: <u>BR-1572</u>

Hydrologist: A. Story

LAB	Date/Time	Sample	Open	Temp	Chlorides	Conductivity
3	(yymmdd/hhmm)	Depth	Hole	(Deg C)	(mg/L)	(us/cm)
		(ft, bls)	(ft)			
3	970123/1200	140	22	25.5	15.1	439
	970127/1326	160	42	22.5	15.3	366
	970127/1505	180	62	23	97	620
	970127/1608	200	82	22.5	378	1,445
	970128/0826	220	102	22.5	560	1,930
	970128/0937	240	122	25	1,525	4,595
	970128/1107	260	142	25	1,585	4,850
	970128/1242	280	162	25.5	1,630	4,920
	970128/1430	300	182	24.5	1,630	4,947
	970128/1600	320	202	24	1,630	4,970
	970129/0831	340	222	23	1,700	5,178
	970129/1035	360	242	24.5	1,720	5,407
3	970129/1315	380	262	24	1,730	5,975
	970212/0905	228	48	23.5	-	10,923
	970212/0915	228	48	22	-	8,272
	970212/0925	228	48	23	-	7,773
	970212/0935	228	48	23	2,400	7,615

Table 4. Downhole Samples Groundwater Quality

Site: <u>Titusville Astronaut High School</u> Well Number: <u>BR-1572</u>

Hydrologist: A. Story

LAB	Date/Time	Sample	Open	Temp	Chlorides	Conductivity
3	(yymmdd/hhmm)	Depth	Hole	(Deg C)	(mg/L)	(us/cm)
		(ft, bls)	(ft)			
	970130/1230	380	262	22.5	6,100	14,635
	970130/1250	240	262	22.5	3,520	11,029
	970130/1310	200	262	22.0	2,420	7,494
	970130/1330	140	262	22.0	151	835

Table 3. Grout Data

Site: <u>Titusville Astronaut High School</u> Well Number: <u>BR-1572</u>

DATE	TAG	ANNULUS/	VOLUME	GROUT/	COMMENTS
Ditte	DEPTH	BORE	(BAGS)	MATERIAL	COMMENTS
	(ft bls)	(inch dia.)	(21100)		
1/14/97	35	22-A	18 bags	Grout	Set 34-ft of 16-inch dia.
			\mathcal{E}		PVC casing
1/15/97	N/A	22-A	19 bags	Grout	Grout through tremie pipe
1/16/97	Surface	22-A	N/A	N/A	16-inch casing grouted to
					surface
1/21/97	118	15-A	18 bags	Grout	Set 118-ft of 10-inch dia.
					PVC casing
1/22/97	44	15-A	17 bags	Grout	Grout through tremie pipe
1/23/97	4	15-A	-	-	Tag only
2/3/97	380	10-B	-	-	3-inch core sample from
					380-384-ft
2/4/97	N/A	10-A	5 gal bucket	bentonite	Set 180-ft of 6-inch SCH
					80 PVC casing with two
			10 bags	Grout	6X10-inch packers attached
					at bottom
2/5/97	160	10-A	41 bags	Grout	Grout through tremie pipe
2/6/97	384	10- B	38 bags	Grout	Backplug through tremie
					pipe
2/6/97	30	10-A	6 bags	Grout	Grout through tremie pipe
2/10/97	308	10-B	38 bags	Grout	Backplug through tremie
					pipe
2/11/97	247	10-B	8 bags	Grout	Backplug through tremie
					pipe
2/12/97	228	10-B	-	-	Back plugging complete
2/12/97	4	15-A	1.5 bags	Grout	10-inch casing grouted to
					surface
2/12/97	4	10-A	1.5 bags	Grout	6-inch casing grouted to
					surface

Lithologic Description (Field)

Site: <u>Titusville Astronaut High School</u> Well Number: <u>BR-1572</u>

Samples Described By: A. Story

From	To	Lithology
(ft)	(ft)	
0	10	Sand, brown, fine
10	15	Sand, dark brown, fine, organic, clay, black
15	28	Sand, light orange, coarse, minor clay, gray
28	31	Sand, light brown, fine, specs of clay, blue
31	35	Shell, white with minor clay, blue
35	40	Shell, white
40	45	Shell, orange, some clay, light green
45	49	Shell, orange
49	51	Coquina
51	57	Shell
57	70	Shell, some clay, light green
70	80	Shell, some clay, light green
80	85	Sandstone, tan, and clay, tan
85	93	Rock, tan, semi porous
93	95	Rock, tan, semi porous
95	100	Rock, tan, semi porous, specs of shell
100	105	Sandstone, tan, semi porous and cemented shell
105	110	Sandstone, tan, semi porous
110	114	Sandstone, tan, semi porous
114	115	Rock, dark brown and medium brown, semi porous, hard
115	117	Rock, light tan and brown, semi porous
117	135	Limestone, off-white, porous
135	140	Limestone, off-white and orange, porous
140	185	Limestone, light tan, porous
185	200	Limestone, medium tan, porous
200	244	Limestone, medium tan, porous
244	247	Limestone, dark gray, porous
247	251	Limestone, gray, semi porous
251	254	Limestone, medium tan, porous
254	257	Limestone, dark tan and gray, semi porous
257	275	Limestone, medium tan, porous
275	277	Limestone, medium tan, porous with peat black
277	280	Limestone, medium tan, porous
280	292	Limestone, medium tan, porous

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Lithologic Description (Field)

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Site: <u>Titusville Astronaut High School</u> Well Number: <u>BR-1572</u>

Samples Described By: A. Story

From	To	Lithology				
(ft)	(ft)					
292	297	Limestone, dark tan, smooth				
297	300	Limestone, medium tan, semi porous with clay gray				
300	305	Limestone, medium tan and gray, semi porous				
305	310	Limestone, dark tan, smooth				
310	315	Limestone, medium tan, porous				
315	320	Limestone, dark tan, semi porous				
320	325	Limestone, dark tan, semi porous				
325	330	Limestone, off-white, semi porous				
330	350	Limestone, gray, tan, off-white, semi porous				
350	353	Rock, dark brown and black, smooth				
353	356	Limestone, brown and black, semi porous				
356	360	Limestone, tan, porous				
360	363	Limestone, tan, gray, black, semi porous				
363	365	Limestone, tan, semi porous				
365	375	Limestone, tan, semi porous				
375	380	Rock, tan, smooth				

Lithologic Logs (FGS)

LITHOLOGIC WELL LOG PRINTOUT SOURCE - FGS

WELL NUMBER: W-17528 COUNTY - BREVARD

TOTAL DEPTH: 00380 FT. LOCATION:T.21S R.35E S.31
52 SAMPLES FROM 0 TO 380 FT. LAT = 28D 37M 32S
LON = 80D 51M 00S

COMPLETION DATE: 10/09/97 ELEVATION: 28 FT

OTHER TYPES OF LOGS AVAILABLE - NONE

OWNER/DRILLER:ST JOHN'S RIVER WATER MANAGEMENT DISTRICT #BR-1572

WORKED BY:C. TRIMBLE; 7/21-7/22/97 MUD ROTARY 0-140 FEET, REVERSE AIR 140-380 FEET

- 0. 30. 090UDSC UNDIFFERENTIATED SAND AND CLAY
- 30. 120. 112CLSCR CALOOSAHATCHEE FM.
- 120. 380. 124AVPK AVON PARK FM.
 - 0 5 SAND; VERY LIGHT ORANGE

33% POROSITY: INTERGRANULAR

GRAIN SIZE: MEDIUM; RANGE: VERY FINE TO VERY COARSE ROUNDNESS: ANGULAR TO SUB-ROUNDED; MEDIUM SPHERICITY UNCONSOLIDATED

OTHER FEATURES: FROSTED

FOSSILS: NO FOSSILS

BIMODAL SAND: ABOUT 12% IS COARSE TO VERY COARSE GRAINED ROUNDED, FROSTED GRAINS, THE REMAINDER IS VERY FINE TO MEDIUM, SUBANGULAR TO ANGULAR, CLEAR SAND GRAINS, <1% HEAVY MINERALS <1% LIMESTONE

5 - 10 SAND; VERY LIGHT ORANGE TO LIGHT YELLOWISH ORANGE 33% POROSITY: INTERGRANULAR

GRAIN SIZE: MEDIUM; RANGE: VERY FINE TO VERY COARSE ROUNDNESS: ANGULAR TO SUB-ROUNDED; MEDIUM SPHERICITY UNCONSOLIDATED

OTHER FEATURES: FROSTED

FOSSILS: NO FOSSILS

AS ABOVE, <1% IRON STAIN COATINGS

10 - 15 SAND; GRAYISH BROWN TO LIGHT BROWNISH GRAY

33% POROSITY: INTERGRANULAR

GRAIN SIZE: MEDIUM; RANGE: VERY FINE TO VERY COARSE ROUNDNESS: ANGULAR TO SUB-ROUNDED; MEDIUM SPHERICITY UNCONSOLIDATED

ACCESSORY MINERALS: PLANT REMAINS-02%, ORGANICS-01%

OTHER FEATURES: FROSTED

FOSSILS: NO FOSSILS

CONTAINS ABOUT 2-3% WOOD FRAGMENTS AND OTHER PLANT

A FEW BITS OF CHARCOAL ARE INTERMIXED WITH THE WOOD BIMODAL SAND AS ABOVE AND ALSO INCLUDES A FEW GRANULE ROUNDED QUARTZ GRAINS HEAVY MINERALS <1%, ALSO <1%

IRONSTAIN

15 - 20 SAND; VERY LIGHT ORANGE TO GRAYISH BROWN
35% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
POSSIBLY HIGH PERMEABILITY
GRAIN SIZE: VERY COARSE; RANGE: MEDIUM TO GRANULE
ROUNDNESS: SUB-ANGULAR TO ROUNDED; MEDIUM SPHERICITY
UNCONSOLIDATED
ACCESSORY MINERALS: PLANT REMAINS-01%
OTHER FEATURES: FROSTED
FOSSILS: NO FOSSILS
BIMODAL BUT VERY COARSE GRAINS PREDOMINATE, <1%

BIMODAL BUT VERY COARSE GRAINS PREDOMINATE, <1% LIMESTONE AND HEAVY MINERALS; A FEW BITS OF CHARCOAL MIXED WITH THE WOOD

- 20 25 SAND; GRAYISH BROWN
 35% POROSITY: INTERGRANULAR
 GRAIN SIZE: FINE; RANGE: VERY FINE TO GRANULE
 ROUNDNESS: ANGULAR TO ROUNDED; MEDIUM SPHERICITY
 UNCONSOLIDATED
 ACCESSORY MINERALS: PLANT REMAINS-15%, LIMESTONE-03%
 OTHER FEATURES: FROSTED
 FOSSILS: FOSSIL FRAGMENTS, MOLLUSKS
 ABOUT 15% PLANT ROOTS BY VOLUME, INCREASINGLY FINER
 SAND COMPRISES MOST OF THE SAMPLE A PARTIAL FULGURITE
 (LIGHTENING FUSED SAND TUBE)
- 25 30 SAND; GRAYISH BROWN
 35% POROSITY: INTERGRANULAR
 GRAIN SIZE: FINE; RANGE: VERY FINE TO GRANULE
 ROUNDNESS: ANGULAR TO ROUNDED; MEDIUM SPHERICITY
 UNCONSOLIDATED
 ACCESSORY MINERALS: PLANT REMAINS-10%, LIMESTONE-02%
 OTHER FEATURES: FROSTED
 FOSSILS: NO FOSSILS
- 30 35 SHELL BED; WHITE TO GRAYISH BROWN
 30% POROSITY: INTERGRANULAR; UNCONSOLIDATED
 ACCESSORY MINERALS: QUARTZ SAND-05%, LIMESTONE-08%
 PLANT REMAINS-02%
 FOSSILS: FOSSIL FRAGMENTS, MOLLUSKS, BRYOZOA
- 35 40 SHELL BED; VERY LIGHT GRAY TO YELLOWISH GRAY
 30% POROSITY: INTERGRANULAR; UNCONSOLIDATED
 ACCESSORY MINERALS: QUARTZ SAND-05%
 FOSSILS: FOSSIL FRAGMENTS, MOLLUSKS
- 40 45 SHELL BED; VERY LIGHT GRAY TO YELLOWISH GRAY
 30% POROSITY: INTERGRANULAR; UNCONSOLIDATED
 ACCESSORY MINERALS: QUARTZ SAND-05%, CLAY-03%
 FOSSILS: FOSSIL FRAGMENTS, MOLLUSKS
- 45 50 SHELL BED; WHITE TO YELLOWISH GRAY
 35% POROSITY: INTERGRANULAR; UNCONSOLIDATED
 ACCESSORY MINERALS: QUARTZ SAND-01%
 OTHER FEATURES: LOW RECRYSTALLIZATION

FOSSILS: FOSSIL FRAGMENTS, MOLLUSKS, BRYOZOA

- 50 55 SHELL BED; WHITE TO LIGHT OLIVE GRAY
 25% POROSITY: INTERGRANULAR, INTERCRYSTALLINE, MOLDIC
 MODERATE INDURATION
 CEMENT TYPE(S): SPARRY CALCITE CEMENT
 SEDIMENTARY STRUCTURES: INTERBEDDED
 ACCESSORY MINERALS: LIMESTONE-40%, QUARTZ SAND-02%
 OTHER FEATURES: MEDIUM RECRYSTALLIZATION, COQUINA
 FOSSILS: FOSSIL FRAGMENTS, MOLLUSKS, FOSSIL MOLDS
 SHELL INTERBEDDED WITH HARD, QUARTZ SANDY COQUINA WITH
 SPAR CEMENT, <1% PHOSPHATIC SAND
- 55 60 SHELL BED; YELLOWISH GRAY TO LIGHT OLIVE GRAY
 28% POROSITY: INTERGRANULAR, INTERCRYSTALLINE, MOLDIC
 MODERATE INDURATION
 CEMENT TYPE(S): SPARRY CALCITE CEMENT, CLAY MATRIX
 SEDIMENTARY STRUCTURES: INTERBEDDED
 ACCESSORY MINERALS: CLAY-07%, LIMESTONE-30%
 QUARTZ SAND-05%
 OTHER FEATURES: MEDIUM RECRYSTALLIZATION, COQUINA
 FOSSILS: FOSSIL FRAGMENTS, MOLLUSKS
 SHELL BED AND COQUINA LIMESTONE INTERBEDDED WITH OLIVE
 GRAY CLAY AND QUARTZ SAND, <1% PHOSPHATE
- 60 65 SAND; YELLOWISH GRAY TO VERY LIGHT ORANGE
 25% POROSITY: INTERGRANULAR, INTERCRYSTALLINE, MOLDIC
 GRAIN SIZE: MEDIUM; RANGE: VERY FINE TO VERY COARSE
 ROUNDNESS: ANGULAR TO SUB-ROUNDED; MEDIUM SPHERICITY
 POOR INDURATION
 CEMENT TYPE(S): SPARRY CALCITE CEMENT, CLAY MATRIX
 ACCESSORY MINERALS: SHELL-35%, LIMESTONE-15%
 OTHER FEATURES: MEDIUM RECRYSTALLIZATION, COQUINA
 FOSSILS: FOSSIL FRAGMENTS, FOSSIL MOLDS, MOLLUSKS
 - 65 70 SAND; VERY LIGHT ORANGE TO YELLOWISH GRAY
 28% POROSITY: INTERGRANULAR, INTERCRYSTALLINE
 GRAIN SIZE: FINE; RANGE: VERY FINE TO GRANULE
 ROUNDNESS: ANGULAR TO SUB-ROUNDED; MEDIUM SPHERICITY
 POOR INDURATION
 CEMENT TYPE(S): SPARRY CALCITE CEMENT
 ACCESSORY MINERALS: SHELL-40%, LIMESTONE-07%
 OTHER FEATURES: MEDIUM RECRYSTALLIZATION, COQUINA
 FOSSILS: FOSSIL FRAGMENTS, MOLLUSKS
 POORLY INDURATED COQUINA OF SHEL AND QUARTZ SAND, SPAR
 CEMENT MOST SAND IS FINE TO MEDIUM GRAINED, A FEW VERY
 COARSE TO GRANULE SIZED QUARTZ GRAINS; <1% CHERT, <1%
 PHOSPHATIC SAND
 - 70 75 SAND; VERY LIGHT ORANGE TO YELLOWISH GRAY
 28% POROSITY: INTERGRANULAR, INTERCRYSTALLINE, MOLDIC
 GRAIN SIZE: FINE; RANGE: VERY FINE TO VERY COARSE
 ROUNDNESS: ANGULAR TO SUB-ROUNDED; MEDIUM SPHERICITY
 POOR INDURATION
 CEMENT TYPE(S): SPARRY CALCITE CEMENT

ACCESSORY MINERALS: SHELL-40%, LIMESTONE-05% OTHER FEATURES: MEDIUM RECRYSTALLIZATION, COQUINA FOSSILS: FOSSIL FRAGMENTS, MOLLUSKS, FOSSIL MOLDS

75 - 80 LIMESTONE; VERY LIGHT ORANGE TO YELLOWISH GRAY
20% POROSITY: INTERGRANULAR, INTERCRYSTALLINE, MOLDIC
GRAIN TYPE: BIOGENIC, SKELETAL, CALCILUTITE
65% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: MICROCRYSTALLINE TO GRAVEL
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX, SPARRY CALCITE
CEMENT
SEDIMENTARY STRUCTURES: INTERBEDDED
ACCESSORY MINERALS: QUARTZ SAND-30%, ORGANICS-20%
OTHER FEATURES: MEDIUM RECRYSTALLIZATION, COQUINA
FOSSILS: FOSSIL FRAGMENTS, MOLLUSKS, FOSSIL MOLDS
MICRITE CEMENTED LIMESTONE OF QUARTZ SAND AND SHELL,
<1% PHOSPHATIC SAND

- 80 85 LIMESTONE; VERY LIGHT ORANGE TO YELLOWISH GRAY
 20% POROSITY: INTERGRANULAR, INTERCRYSTALLINE, MOLDIC
 GRAIN TYPE: BIOGENIC, SKELETAL, CALCILUTITE
 60% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: FINE; RANGE: MICROCRYSTALLINE TO GRAVEL
 UNCONSOLIDATED
 CEMENT TYPE(S): CALCILUTITE MATRIX, SPARRY CALCITE
 CEMENT
 ACCESSORY MINERALS: QUARTZ SAND-35%, ORGANICS-30%
 OTHER FEATURES: MEDIUM RECRYSTALLIZATION, COQUINA,
 VARVED
 FOSSILS: FOSSIL FRAGMENTS, FOSSIL MOLDS, MOLLUSKS,
 ECHINOID AS ABOVE, POSSIBLE VERMICULARIA RECTA
- 12% POROSITY: INTERCRYSTALLINE, INTERGRANULAR, MOLDIC GRAIN TYPE: BIOGENIC, SKELETAL, CRYSTALS
 40% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: MICROCRYSTALLINE
 RANGE: MICROCRYSTALLINE TO GRAVEL; GOOD INDURATION
 CEMENT TYPE(S): SPARRY CALCITE CEMENT, CALCILUTITE
 MATRIX
 SEDIMENTARY STRUCTURES: INTERBEDDED
 ACCESSORY MINERALS: QUARTZ SAND-10%
 OTHER FEATURES: HIGH RECRYSTALLIZATION
 FOSSILS: FOSSIL FRAGMENTS, FOSSIL MOLDS, ECHINOID,
 MOLLUSKS ALGAE
 CRYSTALLINE LIMESTONE MIXED WITH QUARTZ SANDY MICRITIC
 LIMESTONE

LIMESTONE; VERY LIGHT ORANGE TO YELLOWISH GRAY

90 - 95 LIMESTONE; VERY LIGHT ORANGE TO YELLOWISH GRAY
12% POROSITY: INTERCRYSTALLINE, INTERGRANULAR, MOLDIC
GRAIN TYPE: BIOGENIC, SKELETAL, CALCILUTITE
25% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: MICROCRYSTALLINE
RANGE: MICROCRYSTALLINE TO GRAVEL; GOOD INDURATION

85 - 90

CEMENT TYPE(S): SPARRY CALCITE CEMENT, CALCILUTITE MATRIX

SEDIMENTARY STRUCTURES: INTERBEDDED ACCESSORY MINERALS: QUARTZ SAND-15%

OTHER FEATURES: HIGH RECRYSTALLIZATION

FOSSILS: FOSSIL FRAGMENTS, FOSSIL MOLDS, MOLLUSKS,

ECHINOID, CORAL ALSO INCLUDES A RECRYSTALIZED CRAB CLAW

FRAGMENT

95 - 100 LIMESTONE; YELLOWISH GRAY

12% POROSITY: INTERGRANULAR, INTERCRYSTALLINE, MOLDIC

GRAIN TYPE: BIOGENIC, SKELETAL, CRYSTALS

30% ALLOCHEMICAL CONSTITUENTS

GRAIN SIZE: MICROCRYSTALLINE

RANGE: MICROCRYSTALLINE TO GRAVEL; GOOD INDURATION

CEMENT TYPE(S): SPARRY CALCITE CEMENT, CALCILUTITE

MATRIX

ACCESSORY MINERALS: QUARTZ SAND-15%

OTHER FEATURES: HIGH RECRYSTALLIZATION

FOSSILS: FOSSIL FRAGMENTS, FOSSIL MOLDS, MOLLUSKS,

ECHINOID

MORE CLAW FRAGMENTS, SANDY LIMESTONE INTERBEDDED WITH

CRYSTALLINE LIMESTONE, <1% PHOSPHATIC SAND

100 - 105 LIMESTONE; WHITE TO VERY LIGHT ORANGE

12% POROSITY: INTERGRANULAR, INTERCRYSTALLINE, MOLDIC

GRAIN TYPE: BIOGENIC, SKELETAL, CRYSTALS

30% ALLOCHEMICAL CONSTITUENTS

GRAIN SIZE: MICROCRYSTALLINE

RANGE: MICROCRYSTALLINE TO GRAVEL; GOOD INDURATION

CEMENT TYPE(S): SPARRY CALCITE CEMENT, CALCILUTITE

MATRIX

ACCESSORY MINERALS: QUARTZ SAND-20%

OTHER FEATURES: HIGH RECRYSTALLIZATION

FOSSILS: FOSSIL FRAGMENTS, FOSSIL MOLDS, MOLLUSKS,

ECHINOID, BRYOZOA AS ABOVE

105 - 110 LIMESTONE; WHITE TO VERY LIGHT ORANGE

15% POROSITY: INTERGRANULAR, MOLDIC, INTERCRYSTALLINE

GRAIN TYPE: BIOGENIC, SKELETAL, CRYSTALS

30% ALLOCHEMICAL CONSTITUENTS

GRAIN SIZE: MICROCRYSTALLINE

RANGE: MICROCRYSTALLINE TO GRAVEL; GOOD INDURATION

CEMENT TYPE(S): SPARRY CALCITE CEMENT, CALCILUTITE

MATRIX

SEDIMENTARY STRUCTURES: INTERBEDDED

ACCESSORY MINERALS: QUARTZ SAND-15%

OTHER FEATURES: HIGH RECRYSTALLIZATION

FOSSILS: FOSSIL MOLDS, FOSSIL FRAGMENTS, MOLLUSKS,

ECHINOID

110 - 120 LIMESTONE; VERY LIGHT ORANGE TO WHITE

18% POROSITY: INTERGRANULAR, INTERCRYSTALLINE, MOLDIC

GRAIN TYPE: BIOGENIC, SKELETAL, CRYSTALS

30% ALLOCHEMICAL CONSTITUENTS

GRAIN SIZE: MICROCRYSTALLINE

RANGE: MICROCRYSTALLINE TO GRAVEL; GOOD INDURATION CEMENT TYPE(S): SPARRY CALCITE CEMENT, CALCILUTITE MATRIX

SEDIMENTARY STRUCTURES: INTERBEDDED

ACCESSORY MINERALS: OUARTZ SAND-10%, PHOSPHATIC SAND-05%

OTHER FEATURES: HIGH RECRYSTALLIZATION

FOSSILS: FOSSIL FRAGMENTS, FOSSIL MOLDS, MOLLUSKS,

ECHINOID

120 - 125 LIMESTONE; WHITE TO PINKISH GRAY

25% POROSITY: INTERGRANULAR, MOLDIC

GRAIN TYPE: BIOGENIC, SKELETAL, CALCILUTITE

85% ALLOCHEMICAL CONSTITUENTS

GRAIN SIZE: MEDIUM; RANGE: MICROCRYSTALLINE TO GRANULE

MODERATE INDURATION

CEMENT TYPE(S): CALCILUTITE MATRIX

ACCESSORY MINERALS: QUARTZ SAND-05%

OTHER FEATURES: MEDIUM RECRYSTALLIZATION, CHALKY

FOSSILS: FOSSIL FRAGMENTS, FOSSIL MOLDS

BENTHIC FORAMINIFERA, ECHINOID

INDEX FOSSILS: SPHAEROGYPSINA GLOBULA, VARIOUS LEPS AND

NUMMULITIES VANDERSTOKI

125 - 130 LIMESTONE; WHITE TO PINKISH GRAY

30% POROSITY: INTERGRANULAR, MOLDIC

GRAIN TYPE: BIOGENIC, SKELETAL, CALCILUTITE

95% ALLOCHEMICAL CONSTITUENTS

GRAIN SIZE: MEDIUM; RANGE: MICROCRYSTALLINE TO GRANULE

POOR INDURATION

CEMENT TYPE(S): CALCILUTITE MATRIX

OTHER FEATURES: MEDIUM RECRYSTALLIZATION, CHALKY

FOSSILS: FOSSIL FRAGMENTS, FOSSIL MOLDS

BENTHIC FORAMINIFERA, ECHINOID, BRYOZOA

FORAMINIFEROUS, MICRO-COQUINA; INDEX FOSSILS AS ABOVE

130 - 135 LIMESTONE; WHITE TO PINKISH GRAY

30% POROSITY: INTERGRANULAR, MOLDIC, INTERCRYSTALLINE

GRAIN TYPE: BIOGENIC, SKELETAL, CALCILUTITE

95% ALLOCHEMICAL CONSTITUENTS

GRAIN SIZE: MEDIUM; RANGE: MICROCRYSTALLINE TO GRANULE

POOR INDURATION

CEMENT TYPE(S): CALCILUTITE MATRIX, SPARRY CALCITE

CEMENT

OTHER FEATURES: MEDIUM RECRYSTALLIZATION, CHALKY

FOSSILS: FOSSIL FRAGMENTS, FOSSIL MOLDS

BENTHIC FORAMINIFERA, MILIOLIDS <1% IRONSTAIN

135 - 140 LIMESTONE; VERY LIGHT ORANGE TO LIGHT YELLOWISH ORANGE

30% POROSITY: INTERGRANULAR, MOLDIC

GRAIN TYPE: BIOGENIC, SKELETAL, CALCILUTITE

90% ALLOCHEMICAL CONSTITUENTS

GRAIN SIZE: MEDIUM; RANGE: MICROCRYSTALLINE TO GRANULE

POOR INDURATION

CEMENT TYPE(S): CALCILUTITE MATRIX, SPARRY CALCITE

CEMENT

ACCESSORY MINERALS: IRON STAIN-01%
OTHER FEATURES: MEDIUM RECRYSTALLIZATION, CHALKY
FOSSILS: FOSSIL FRAGMENTS, FOSSIL MOLDS
BENTHIC FORAMINIFERA, MILIOLIDS, MOLLUSKS
ALSO BITS OF CORAL

- 140 150 LIMESTONE; WHITE TO VERY LIGHT ORANGE
 30% POROSITY: INTERGRANULAR, MOLDIC, INTERCRYSTALLINE
 GRAIN TYPE: BIOGENIC, SKELETAL, CALCILUTITE
 85% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: MEDIUM; RANGE: MICROCRYSTALLINE TO GRAVEL
 POOR INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX, SPARRY CALCITE
 CEMENT
 OTHER FEATURES: MEDIUM RECRYSTALLIZATION, CHALKY
 FOSSILS: FOSSIL FRAGMENTS, FOSSIL MOLDS
 BENTHIC FORAMINIFERA, MILIOLIDS, ECHINOID
 PLENTIFUL GYPSINA AND N. VANDERSTOKI, ALSO AMPHISTEGINA
 AND BITS OF CORAL
- 150 160 LIMESTONE; VERY LIGHT ORANGE TO GRAYISH ORANGE
 30% POROSITY: INTERGRANULAR, MOLDIC, INTERCRYSTALLINE
 GRAIN TYPE: BIOGENIC, SKELETAL, CALCILUTITE
 80% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: MEDIUM; RANGE: MICROCRYSTALLINE TO GRAVEL
 POOR INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX, DOLOMITE CEMENT
 OTHER FEATURES: MEDIUM RECRYSTALLIZATION, CHALKY
 FOSSILS: FOSSIL FRAGMENTS, FOSSIL MOLDS, MILIOLIDS
 BENTHIC FORAMINIFERA, ECHINOID
 PLENTIFUL ECHNOID FRAGMENTS AND BITS OF CORAL INDEX
 FOSSILS: N. OCALANUS AND AMPHISTEGINA PINARENSIS
 CODENSI
- 160 170 LIMESTONE; VERY LIGHT ORANGE
 30% POROSITY: INTERGRANULAR, MOLDIC, INTERCRYSTALLINE
 GRAIN TYPE: BIOGENIC, SKELETAL, CALCILUTITE
 95% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: MEDIUM; RANGE: MICROCRYSTALLINE TO GRAVEL
 POOR INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX, SPARRY CALCITE
 CEMENT
 OTHER FEATURES: MEDIUM RECRYSTALLIZATION, CHALKY
 FOSSILS: FOSSIL FRAGMENTS, FOSSIL MOLDS
 BENTHIC FORAMINIFERA, MILIOLIDS, ECHINOID
 MILIOLID-RICH, MICROCOQUINA INDEX FOSSILS AS ABOVE
- 170 180 LIMESTONE; VERY LIGHT ORANGE TO WHITE
 30% POROSITY: INTERGRANULAR, MOLDIC, INTERCRYSTALLINE
 GRAIN TYPE: BIOGENIC, SKELETAL, CALCILUTITE
 90% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: COARSE; RANGE: MICROCRYSTALLINE TO GRAVEL
 MODERATE INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX, SPARRY CALCITE

CEMENT

OTHER FEATURES: HIGH RECRYSTALLIZATION, CHALKY
FOSSILS: FOSSIL MOLDS, FOSSIL FRAGMENTS
BENTHIC FORAMINIFERA, MILIOLIDS, CORAL
LIMESTONE IS MORE CRYSTALLINE, PLENTIFUL ECHNOID
FRAGMENTS AND BITS OF BRYOZOA, INDEX FOSSIL FABIANA
CUBENSIS

180 - 190 LIMESTONE; VERY LIGHT ORANGE

30% POROSITY: INTERGRANULAR, MOLDIC, INTERCRYSTALLINE GRAIN TYPE: BIOGENIC, SKELETAL, CALCILUTITE 85% ALLOCHEMICAL CONSTITUENTS GRAIN SIZE: COARSE; RANGE: MICROCRYSTALLINE TO GRAVEL MODERATE INDURATION

CEMENT TYPE(S): CALCILUTITE MATRIX, SPARRY CALCITE CEMENT

OTHER FEATURES: HIGH RECRYSTALLIZATION, CHALKY FOSSILS: FOSSIL FRAGMENTS, FOSSIL MOLDS, ECHINOID MILIOLIDS, BENTHIC FORAMINIFERA INDEX FOSSILS: AMPHISTEGINA AND GYPSINA

190 - 200 LIMESTONE; YELLOWISH GRAY TO VERY LIGHT ORANGE 30% POROSITY: INTERGRANULAR, MOLDIC, INTERCRYSTALLINE

GRAIN TYPE: BIOGENIC, SKELETAL, CALCILUTITE

95% ALLOCHEMICAL CONSTITUENTS

GRAIN SIZE: COARSE; RANGE: MICROCRYSTALLINE TO GRAVEL MODERATE INDURATION

CEMENT TYPE(S): CALCILUTITE MATRIX, SPARRY CALCITE CEMENT

OTHER FEATURES: HIGH RECRYSTALLIZATION

FOSSILS: FOSSIL FRAGMENTS, FOSSIL MOLDS, ECHINOID

BENTHIC FORAMINIFERA, MILIOLIDS

INDEX AS ABOVE, ALSO FIRST APPEARANCE OF WHOLE NEOLAGUM DALLI

200 - 210 LIMESTONE; YELLOWISH GRAY

30% POROSITY: INTERGRANULAR, MOLDIC, INTERCRYSTALLINE GRAIN TYPE: BIOGENIC, SKELETAL, CALCILUTITE 80% ALLOCHEMICAL CONSTITUENTS

GRAIN SIZE: MEDIUM; RANGE: MICROCRYSTALLINE TO GRAVEL MODERATE INDURATION

CEMENT TYPE(S): CALCILUTITE MATRIX, SPARRY CALCITE CEMENT

OTHER FEATURES: HIGH RECRYSTALLIZATION
FOSSILS: FOSSIL FRAGMENTS, FOSSIL MOLDS
BENTHIC FORAMINIFERA, ECHINOID, MILIOLIDS
FOSSILS AS ABOVE, ALSO WORM TRACES AND BITS OF CORAL

210 - 220 LIMESTONE; PINKISH GRAY TO YELLOWISH GRAY

30% POROSITY: INTERGRANULAR, MOLDIC, INTERCRYSTALLINE GRAIN TYPE: BIOGENIC, SKELETAL, CALCILUTITE

90% ALLOCHEMICAL CONSTITUENTS

GRAIN SIZE: MEDIUM; RANGE: MICROCRYSTALLINE TO GRAVEL MODERATE INDURATION

CEMENT TYPE(S): CALCILUTITE MATRIX, SPARRY CALCITE

CEMENT

OTHER FEATURES: HIGH RECRYSTALLIZATION FOSSILS: BENTHIC FORAMINIFERA, FOSSIL FRAGMENTS, ECHINOID

MORE HIGHELY RECRYSTALLIZED MICROCOQUINA

220 - 230 LIMESTONE; PINKISH GRAY TO YELLOWISH GRAY
30% POROSITY: INTERGRANULAR, MOLDIC, INTERCRYSTALLINE
GRAIN TYPE: BIOGENIC, SKELETAL, CALCILUTITE
85% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: MEDIUM; RANGE: MICROCRYSTALLINE TO GRAVEL
MODERATE INDURATION

CEMENT TYPE(S): CALCILUTITE MATRIX, SPARRY CALCITE

OTHER FEATURES: HIGH RECRYSTALLIZATION
FOSSILS: FOSSIL FRAGMENTS, FOSSIL MOLDS, ECHINOID
MILIOLIDS, CONES

230 - 240 LIMESTONE; PINKISH GRAY TO WHITE
30% POROSITY: INTERGRANULAR, MOLDIC, INTERCRYSTALLINE
GRAIN TYPE: BIOGENIC, SKELETAL, CALCILUTITE
8C% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: MEDIUM; RANGE: MICROCRYSTALLINE TO GRAVEL
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX, SPARRY CALCITE
CEMENT
OTHER FEATURES: HIGH RECRYSTALLIZATION, CHALKY

BENTHIC FORAMINIFERA, MILIOLIDS

240 - 250 LIMESTONE; YELLOWISH GRAY TO WHITE
25% POROSITY: INTERGRANULAR, MOLDIC, PIN POINT VUGS
GRAIN TYPE: BIOGENIC, SKELETAL, CALCILUTITE
30% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: MICROCRYSTALLINE
RANGE: MICROCRYSTALLINE TO GRAVEL; MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX, SPARRY CALCITE
CEMENT
OTHER FEATURES: MEDIUM RECRYSTALLIZATION, CHALKY

FOSSILS: FOSSIL FRAGMENTS, FOSSIL MOLDS, CONES, MILIOLIDS, CORAL INDEX FOSSIL: D. AMERICANUS AND D. COOKEI

FOSSILS: FOSSIL FRAGMENTS, FOSSIL MOLDS, CORAL

250 - 260 LIMESTONE; PINKISH GRAY TO YELLOWISH GRAY
20% POROSITY: INTERGRANULAR, MOLDIC, PIN POINT VUGS
GRAIN TYPE: BIOGENIC, SKELETAL, CALCILUTITE
25% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: MICROCRYSTALLINE
RANGE: MICROCRYSTALLINE TO GRAVEL; MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX, SPARRY CALCITE
CEMENT
OTHER FEATURES: MEDIUM RECRYSTALLIZATION. CHALKY

OTHER FEATURES: MEDIUM RECRYSTALLIZATION, CHALKY FOSSILS: FOSSIL FRAGMENTS, FOSSIL MOLDS, CONES, MILIOLIDS ECHINOID

INDEX FOSSILS: D. COOKEI AND COSKINOLINA

260 - 270 LIMESTONE; PINKISH GRAY TO WHITE

20% POROSITY: INTERGRANULAR, MOLDIC, PIN POINT VUGS

GRAIN TYPE: BIOGENIC, SKELETAL, CALCILUTITE

50% ALLOCHEMICAL CONSTITUENTS

GRAIN SIZE: COARSE; RANGE: MICROCRYSTALLINE TO GRAVEL

MODERATE INDURATION

CEMENT TYPE(S): CALCILUTITE MATRIX, SPARRY CALCITE

CEMENT

OTHER FEATURES: MEDIUM RECRYSTALLIZATION, CHALKY

FOSSILS: FOSSIL FRAGMENTS, FOSSIL MOLDS, CONES,

MILIOLIDS ECHINOID

INDEX FOSSIL: CRIBROBULIMINA CUSHMANI, LITUONELLA

FLORIDANA

270 - 280 LIMESTONE; PINKISH GRAY TO WHITE

20% POROSITY: INTERGRANULAR, MOLDIC, PIN POINT VUGS

GRAIN TYPE: BIOGENIC, SKELETAL, CALCILUTITE

85% ALLOCHEMICAL CONSTITUENTS

GRAIN SIZE: COARSE; RANGE: MICROCRYSTALLINE TO GRAVEL

POOR INDURATION

CEMENT TYPE(S): CALCILUTITE MATRIX

OTHER FEATURES: MEDIUM RECRYSTALLIZATION, CHALKY

FOSSILS: FOSSIL FRAGMENTS, FOSSIL MOLDS, CONES

BENTHIC FORAMINIFERA, MILIOLIDS

INDEX FOSSILS AS ABOVE

280 - 290 LIMESTONE; VERY LIGHT ORANGE

10% POROSITY: INTERGRANULAR

GRAIN TYPE: BIOGENIC, SKELETAL, CRYSTALS

15% ALLOCHEMICAL CONSTITUENTS

GRAIN SIZE: MICROCRYSTALLINE

RANGE: MICROCRYSTALLINE TO COARSE; GOOD INDURATION

CEMENT TYPE(S): SPARRY CALCITE CEMENT

OTHER FEATURES: HIGH RECRYSTALLIZATION, SUCROSIC

FOSSILS: FOSSIL FRAGMENTS, MILIOLIDS

FINE TEXTURED, SUCROSIC, CRYSTALLINE, LIMESTONE, NO

INDEX FOSSILS

290 - 300 LIMESTONE; VERY LIGHT ORANGE TO WHITE

12% POROSITY: INTERGRANULAR, INTERCRYSTALLINE

GRAIN TYPE: BIOGENIC, SKELETAL, CALCILUTITE

25% ALLOCHEMICAL CONSTITUENTS

GRAIN SIZE: MICROCRYSTALLINE

RANGE: MICROCRYSTALLINE TO COARSE; MODERATE INDURATION

CEMENT TYPE(S): SPARRY CALCITE CEMENT, CALCILUTITE

MATRIX

DOLOMITE CEMENT

SEDIMENTARY STRUCTURES: INTERBEDDED

ACCESSORY MINERALS: DOLOMITE-15%

OTHER FEATURES: HIGH RECRYSTALLIZATION, SUCROSIC

FOSSILS: FOSSIL FRAGMENTS, MILIOLIDS, FOSSIL MOLDS

ECHINOID

INTERBEDDED CRYSTALLINE LIMESTONE AND DOLOSTONE WITH

CHALKY WHITE MICROCOQUINA

300 - 310 DOLOSTONE; VERY LIGHT ORANGE TO PINKISH GRAY
15% POROSITY: INTERCRYSTALLINE, INTERGRANULAR
PIN POINT VUGS; 50-90% ALTERED; EUHEDRAL
GRAIN SIZE: MICROCRYSTALLINE
RANGE: MICROCRYSTALLINE TO FINE; GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
SEDIMENTARY STRUCTURES: INTERBEDDED
ACCESSORY MINERALS: LIMESTONE-10%
OTHER FEATURES: HIGH RECRYSTALLIZATION, SUCROSIC
FOSSILS: FOSSIL MOLDS, ECHINOID, BENTHIC FORAMINIFERA

310 - 320 DOLOSTONE; VERY LIGHT ORANGE TO WHITE
20% POROSITY: INTERCRYSTALLINE, INTERGRANULAR
PIN POINT VUGS; 50-90% ALTERED; EUHEDRAL
GRAIN SIZE: MICROCRYSTALLINE
RANGE: MICROCRYSTALLINE TO FINE; MODERATE INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT, CALCILUTITE MATRIX
SEDIMENTARY STRUCTURES: INTERBEDDED
ACCESSORY MINERALS: LIMESTONE-35%
OTHER FEATURES: HIGH RECRYSTALLIZATION, SUCROSIC
FOSSILS: FOSSIL FRAGMENTS, FOSSIL MOLDS, ECHINOID

320 - 330 NO SAMPLES

330 - 340 LIMESTONE; WHITE TO YELLOWISH GRAY
25% POROSITY: INTERGRANULAR, MOLDIC
GRAIN TYPE: BIOGENIC, SKELETAL, CALCILUTITE
60% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: MICROCRYSTALLINE
RANGE: MICROCRYSTALLINE TO VERY COARSE; MODERATE
INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT, CALCILUTITE MATRIX
SEDIMENTARY STRUCTURES: INTERBEDDED
ACCESSORY MINERALS: DOLOMITE-02%
OTHER FEATURES: MEDIUM RECRYSTALLIZATION, CHALKY
FOSSILS: FOSSIL FRAGMENTS, FOSSIL MOLDS
INTERBEDDED WHITE AND YELLOWISH GRAY CALCILUTITE, MOST
FOSSILS UNRECOGNIZABLE

340 - 350 LIMESTONE; YELLOWISH GRAY 25% POROSITY: INTERGRANULAR, MOLDIC, INTERCRYSTALLINE GRAIN TYPE: BIOGENIC, SKELETAL, CALCILUTITE 40% ALLOCHEMICAL CONSTITUENTS GRAIN SIZE: MICROCRYSTALLINE RANGE: MICROCRYSTALLINE TO GRANULE; POOR INDURATION CEMENT TYPE(S): CALCILUTITE MATRIX, SPARRY CALCITCEMENT SEDIMENTARY STRUCTURES: INTERBEDDED OTHER FEATURES: MEDIUM RECRYSTALLIZATION, CHALKY FOSSILS: FOSSIL FRAGMENTS, FOSSIL MOLDS, ECHINOID, CONES BENTHIC FORAMINIFERA CONTAINS A FEW FRAGMENTS OF FINELY LAMINATED DOLOSTONE

350 - 360 DOLOSTONE; VERY LIGHT ORANGE TO WHITE

20% POROSITY: INTERCRYSTALLINE, PIN POINT VUGS INTERGRANULAR; 50-90% ALTERED; EUHEDRAL

GRAIN SIZE: MICROCRYSTALLINE

RANGE: MICROCRYSTALLINE TO FINE; MODERATE INDURATION CEMENT TYPE(S): DOLOMITE CEMENT, CALCILUTITE MATRIX

SEDIMENTARY STRUCTURES: INTERBEDDED ACCESSORY MINERALS: DOLOMITE-25%

OTHER FEATURES: SUCROSIC, HIGH RECRYSTALLIZATION

FOSSILS: FOSSIL FRAGMENTS, FOSSIL MOLDS, ECHINOID, CONES

BENTHIC FORAMINIFERA

360 - 370 LIMESTONE; WHITE TO GRAYISH ORANGE

22% POROSITY: INTERGRANULAR, INTERCRYSTALLINE, MOLDIC

GRAIN TYPE: BIOGENIC, SKELETAL, CALCILUTITE

50% ALLOCHEMICAL CONSTITUENTS

GRAIN SIZE: MICROCRYSTALLINE

RANGE: MICROCRYSTALLINE TO GRANULE; POOR INDURATION

CEMENT TYPE(S): CALCILUTITE MATRIX, DOLOMITE CEMENT

SEDIMENTARY STRUCTURES: INTERBEDDED

ACCESSORY MINERALS: DOLOMITE-25%

OTHER FEATURES: MEDIUM RECRYSTALLIZATION, CHALKY

FOSSILS: FOSSIL FRAGMENTS, FOSSIL MOLDS, ECHINOID, CONES

BENTHIC FORAMINIFERA

370 - 380 DOLOSTONE; VERY LIGHT ORANGE TO GRAYISH ORANGE

18% POROSITY: INTERCRYSTALLINE, PIN POINT VUGS, MOLDIC

50-90% ALTERED; EUHEDRAL

GRAIN SIZE: MICROCRYSTALLINE

RANGE: MICROCRYSTALLINE TO FINE; GOOD INDURATION

CEMENT TYPE(S): DOLOMITE CEMENT, IRON CEMENT

SEDIMENTARY STRUCTURES: INTERBEDDED

ACCESSORY MINERALS: LIMESTONE-03%

OTHER FEATURES: HIGH RECRYSTALLIZATION, SUCROSIC

FOSSILS: FOSSIL MOLDS

380 TOTAL DEPTH

Geophysical Logs

