LITHOLOGIC WELL LOG PRINTOUT SOURCE - FGS

WELL NUMBER: W-18725 COUNTY - POLK
TOTAL DEPTH: 2500 FT. LOCATION: T.32S R.32E S.28
SAMPLES - NONE LAT = 27D 39M 37S
LON = 81D 07M 59S
COMPLETION DATE: N/A ELEVATION: 64 FT
OTHER TYPES OF LOGS AVAILABLE - NONE

OWNER/DRILLER:SFWMD (OSF-104)

WORKED BY:SECOND DESCRIPTION OF WELL BY DAVID WAGNER. SEE FIRST DESCRIPTION

0.	-	70.	090UDSC	UNDIFFERENTIATED SAND AND CLAY
70.	-	175.	122PCRV	PEACE RIVER FM.
175.	-	370.	122ARCA	ARCADIA FM.
370.	-	490.	124OCAL	OCALA GROUP
490.	-	1948.	124AVPK	AVON PARK FM.
1948.	-	.	124OLDM	OLDSMAR LIMESTONE

0 - 1966 NO SAMPLES
SEE ADDITIONAL DESCRIPTION BY STEVEN PETRUSHAK FOR 0-1966' INTERVAL.

1966 - 2000 NO SAMPLES

2000 - 2020 DOLOSTONE; YELLOWISH GRAY TO GRAYISH BROWN
POROSITY: INTERGRANULAR, INTERCRYSTALLINE; 10-50% ALTERED SUBHEDRAL
GRAIN SIZE: MICROCRYSTALLINE
RANGE: MICROCRYSTALLINE TO MICROCRYSTALLINE
GOOD INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX, DOLOMITE CEMENT
ACCESSORY MINERALS: GYPSUM-01%, CALCILUTITE-25%
FOSSILS: BENTHIC FORAMINIFERA, FOSSIL FRAGMENTS
TWO DOLOSTONES ARE PRESENT. THE FIRST ONE IS LISTED AS THE MAIN ROCK TYPE AND IS A DOLOSILT WITH VARIABLE MICRITE CEMENT PERCENTAGE. THE SECOND ONE HAS HIGH ALTERATION SUBHEDRAL CRYSTALLINITY AND GRAIN SIZE RANGE OF MICROCRYSTALLINE TO FINE WITH VERY FINE GRAIN SIZE BEING THE MODAL GRAIN SIZE. THE 2ND DOLOSTONE IS NOT CEMENTED BY MICRITE.

2020 - 2030 GRAINSTONE; YELLOWISH GRAY TO WHITE
POROSITY: INTERGRANULAR, INTERCRYSTALLINE
GRAIN TYPE: SKELETAL, CALCILUTITE
93% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: MEDIUM; RANGE: VERY FINE TO COARSE

GOOD INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX, SPARRY CALCITE CEMENT
ACCESSORY MINERALS: DOLOMITE-02%, GYPSUM-01%, CALCITE-05%
OTHER FEATURES: HIGH RECRYSTALLIZATION
FOSSILS: BENTHIC FORAMINIFERA
THERE ARE TWO LIMESTONES PRESENT. THE FIRST ONE IS LISTED AS THE MAIN ROCK TYPE. THE SECOND ONE IS A WELL INDURATED MUDSTONE WHICH IS HIGHLY RECRYSTALLIZED. THE TWO LIMESTONES ARE PRESENT AT A 50/50 RATIO.

2030 - 2040 MUDSTONE; YELLOWISH GRAY TO LIGHT GRAY
POROSITY: INTERCRYSTALLINE, INTERGRANULAR
GRAIN TYPE: CRYSTALS, CALCILUTITE
03% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: MICROCRYSTALLINE
RANGE: MICROCRYSTALLINE TO FINE; GOOD INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX, SPARRY CALCITE CEMENT
ACCESSORY MINERALS: DOLOMITE-02%, CALCITE-01%
OTHER FEATURES: HIGH RECRYSTALLIZATION
FOSSILS: FOSSIL MOLDS

2040 - 2050 MUDSTONE; MODERATE GRAY TO YELLOWISH GRAY
POROSITY: INTERCRYSTALLINE, INTERGRANULAR
GRAIN TYPE: CRYSTALS, CALCILUTITE
05% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: MICROCRYSTALLINE
RANGE: MICROCRYSTALLINE TO VERY COARSE; GOOD INDURATION
CEMENT TYPE(S): SPARRY CALCITE CEMENT, CALCILUTITE MATRIX
ACCESSORY MINERALS: DOLOMITE-02%, CALCITE-01%
OTHER FEATURES: HIGH RECRYSTALLIZATION
FOSSILS: BENTHIC FORAMINIFERA
THERE IS A INDEX FORAMINIFERA PRESENT COSKINOLINA ELONGATA. GRAIN SIZE DOESN'T RANGE AS STATED. LIMESTONE IS VERY FINE GRAIN SIZE LARGE FORAMS. TRACE GYPSUM ALSO PRESENT IN SAMPLE.

2050 - 2060 MUDSTONE; YELLOWISH GRAY TO DARK YELLOWISH BROWN
POROSITY: INTERCRYSTALLINE, INTERGRANULAR
GRAIN TYPE: CRYSTALS, CALCILUTITE
03% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: MICROCRYSTALLINE
RANGE: MICROCRYSTALLINE TO VERY COARSE; GOOD INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: DOLOMITE-25%
OTHER FEATURES: HIGH RECRYSTALLIZATION
FOSSILS: BENTHIC FORAMINIFERA
TRACE AMOUNTS GYPSUM IS PRESENT IN SAMPLE. GRAIN SIZE RANGE IS NOT AS STATED. LIMESTONE IS VERY FINE GRAINED WITH SOME

LARGE FORAMS PRESENT. DOLOMITE PRESENT SUBHEDRAL TO EUHEDRAL, MICROCYSTALLINE TO FINE GRAINED. COLOR IS VARIABLE AND CAVINGS ARE PROBABLY PRESENT NOTED FROM PRESENCE OF PHOSPHATE AND LEPIDOCYCLINA FORAMS. A THIRD COLOR NOT REPRESENTED IN THE DESCRIPTION ABOVE IS MEDIUM LIGHT GREY.

2060 - 2070 MUDSTONE; YELLOWISH GRAY TO LIGHT GRAY
POROSITY: INTERGRANULAR, INTERCRYSTALLINE
GRAIN TYPE: CALCILUTITE, CRYSTALS
03% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: MICROCRYSTALLINE
RANGE: MICROCRYSTALLINE TO VERY COARSE; GOOD INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: DOLOMITE-05%, CALCITE-01%
OTHER FEATURES: MEDIUM RECRYSTALLIZATION
FOSSILS: FOSSIL MOLDS
SOME DOLOMITE IS FOUND AS A SINGLE EUHEDRAL CRYSTAL OR CLUSTER OF CRYSTALS FLOATING IN MICRITE. THIS WAS ALSO FOUND IN THE SAMPLE ABOVE.

2070 - 2080 MUDSTONE; YELLOWISH GRAY TO MODERATE LIGHT GRAY
POROSITY: INTERCRYSTALLINE, INTERGRANULAR
GRAIN TYPE: CRYSTALS, CALCILUTITE
03% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: MICROCRYSTALLINE
RANGE: MICROCRYSTALLINE TO COARSE; GOOD INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX, DOLOMITE CEMENT
ACCESSORY MINERALS: DOLOMITE-15%
OTHER FEATURES: HIGH RECRYSTALLIZATION
FOSSILS: FOSSIL FRAGMENTS
TRACE AMOUNTS OF CHERT ARE PRESENT IN SAMPLE. GRAIN SIZE RANGE ISN'T AS STATED. INSTEAD IT IS VERY FINE WITH SOME LARGER FOSSIL FRAGMENTS. DOLOMITE PRESENT RANGES FROM SUBHEDRAL-EUHEDRAL AND VERY FINE TO MEDIUM GRAIN SIZE. SOME SINGLE EUHEDRAL CRYSTALS OR CLUSTERS OF DOLOMITE CRYSTALS ARE FOUND FLOATING IN THE LIMESTONE.

2080 - 2090 MUDSTONE; VERY LIGHT ORANGE TO MODERATE DARK GRAY
POROSITY: INTERCRYSTALLINE, INTERGRANULAR
GRAIN TYPE: CRYSTALS, CALCILUTITE
03% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: MICROCRYSTALLINE
RANGE: MICROCRYSTALLINE TO VERY COARSE; GOOD INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX, DOLOMITE CEMENT
ACCESSORY MINERALS: DOLOMITE-05%
OTHER FEATURES: DOLOMITIC, HIGH RECRYSTALLIZATION
FOSSILS: BENTHIC FORAMINIFERA, ECHINOID

APPROXIMATELY 30% OF LIMESTONE PRESENT IS A DIFFERENT LITHOLOGY WHICH IS A PACKSTONE TO GRAINSTONE. THE GRAIN SIZE IS FINE TO VERY COARSE. CAVINGS ARE POSSIBLE DUE TO THE PRESENCE OF PHOSPHATE.

2090 - 2100 MUDSTONE; MODERATE LIGHT GRAY TO YELLOWISH GRAY
POROSITY: INTERCRYSTALLINE, INTERGRANULAR
GRAIN TYPE: CRYSTALS, CALCILUTITE
03% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: MICROCRYSTALLINE
RANGE: MICROCRYSTALLINE TO FINE; GOOD INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX, DOLOMITE CEMENT
ACCESSORY MINERALS: DOLOMITE-03%, GYPSUM-01%
OTHER FEATURES: HIGH RECRYSTALLIZATION, DOLOMITIC
FOSSILS: BENTHIC FORAMINIFERA
GYPSUM CAN BE FOUND FILLING CRACKS AND PORE SPACES.
APPROXIMATELY 20% OF LIMESTONE PRESENT IS THE PACKSTONE TO GRAINSTONE WITH FINE TO VERY COARSE GRAIN SIZE.

2100 - 2110 PACKSTONE; VERY LIGHT ORANGE TO GRAYISH BROWN
POROSITY: INTERCRYSTALLINE, INTERGRANULAR
GRAIN TYPE: SKELETAL, CRYSTALS, CALCILUTITE
80% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: MEDIUM; RANGE: FINE TO VERY COARSE
GOOD INDURATION
CEMENT TYPE(S): SPARRY CALCITE CEMENT, CALCILUTITE MATRIX
ACCESSORY MINERALS: DOLOMITE-05%, GYPSUM-01%, CALCITE-10%
OTHER FEATURES: HIGH RECRYSTALLIZATION, DOLOMITIC
FOSSILS: BENTHIC FORAMINIFERA, ECHINOID
LIMESTONE RANGES FROM PACKSTONE TO GRAINSTONE.

2110 - 2120 GRAINSTONE; GRAYISH BROWN TO VERY LIGHT ORANGE
POROSITY: INTERGRANULAR, INTERCRYSTALLINE
GRAIN TYPE: SKELETAL, CRYSTALS, CALCILUTITE
95% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: MEDIUM; RANGE: FINE TO COARSE; GOOD INDURATION
CEMENT TYPE(S): SPARRY CALCITE CEMENT, CALCILUTITE MATRIX
ACCESSORY MINERALS: DOLOMITE-02%, CALCITE-02%
OTHER FEATURES: HIGH RECRYSTALLIZATION
FOSSILS: BENTHIC FORAMINIFERA, FOSSIL MOLDS

2120 - 2130 PACKSTONE; VERY LIGHT ORANGE
POROSITY: INTERGRANULAR, INTERCRYSTALLINE
GRAIN TYPE: SKELETAL, CRYSTALS, CALCILUTITE
95% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: MEDIUM; RANGE: FINE TO COARSE; GOOD INDURATION
CEMENT TYPE(S): SPARRY CALCITE CEMENT, CALCILUTITE MATRIX
ACCESSORY MINERALS: DOLOMITE-02%, CALCITE-02%

OTHER FEATURES: HIGH RECRYSTALLIZATION
FOSSILS: BENTHIC FORAMINIFERA
ABOUT 5% OF SAMPLE IS A WACKESTONE AND NOT A PACKSTONE.

2130 - 2140 GRAINSTONE; VERY LIGHT ORANGE TO GRAYISH BROWN
POROSITY: INTERCRYSTALLINE, INTERGRANULAR
GRAIN TYPE: SKELETAL, CRYSTALS, CALCILUTITE
95% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: MEDIUM; RANGE: FINE TO COARSE; GOOD INDURATION
CEMENT TYPE(S): SPARRY CALCITE CEMENT, CALCILUTITE MATRIX
ACCESSORY MINERALS: DOLOMITE-02%
OTHER FEATURES: HIGH RECRYSTALLIZATION
FOSSILS: BENTHIC FORAMINIFERA

2140 - 2150 GRAINSTONE; VERY LIGHT ORANGE TO DARK YELLOWISH BROWN
POROSITY: INTERCRYSTALLINE, INTERGRANULAR
GRAIN TYPE: SKELETAL, CRYSTALS, CALCILUTITE
95% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: MEDIUM; RANGE: FINE TO COARSE; GOOD INDURATION
CEMENT TYPE(S): SPARRY CALCITE CEMENT, CALCILUTITE MATRIX
ACCESSORY MINERALS: CLAY-05%, DOLOMITE-01%
OTHER FEATURES: HIGH RECRYSTALLIZATION
FOSSILS: BENTHIC FORAMINIFERA
UNWASHED SAMPLE CONTAINS DARK BROWN WELL COMPACTED LITTLE FOLDED PIECES OF CLAY. WASHED SAMPLE CONTAINS GREY CLAY WHICH THE UNWASHED CLAY LOOK LIKE AFTER BEING PLACED IN WATER.

2150 - 2160 GRAINSTONE; VERY LIGHT ORANGE
POROSITY: INTERGRANULAR, INTERCRYSTALLINE
GRAIN TYPE: SKELETAL, CRYSTALS, CALCILUTITE
95% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: MEDIUM; RANGE: FINE TO VERY COARSE
GOOD INDURATION
CEMENT TYPE(S): SPARRY CALCITE CEMENT, CALCILUTITE MATRIX
ACCESSORY MINERALS: CALCITE-03%
OTHER FEATURES: HIGH RECRYSTALLIZATION
FOSSILS: BENTHIC FORAMINIFERA

2160 - 2170 AS ABOVE

2170 - 2180 PACKSTONE; VERY LIGHT ORANGE TO DARK YELLOWISH BROWN
POROSITY: INTERCRYSTALLINE, INTERGRANULAR
GRAIN TYPE: SKELETAL, CALCILUTITE, CRYSTALS
85% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: MEDIUM; RANGE: FINE TO GRAVEL
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX, SPARRY CALCITE CEMENT

ACCESSORY MINERALS: DOLOMITE-30%, CLAY-01%
OTHER FEATURES: MEDIUM RECRYSTALLIZATION
FOSSILS: BENTHIC FORAMINIFERA, FOSSIL MOLDS
POSSIBLE CAVINGS DUE TO THE PRESENCE OF LEPIDOCYCLINA AND CLAY DOLOMITE PRESENT IS HIGHLY ALTERED, WITH SUBHEDRAL CRYSTALLINITY AND A GRAIN SIZE RANGE OF MICROCRYSTALLINE TO FINE AND A MODAL GRAIN SIZE OF MICROCRYSTALLINE.

2180 - 2190 DOLOSTONE; MODERATE YELLOWISH BROWN TO VERY LIGHT ORANGE
POROSITY: INTERCRYSTALLINE, INTERGRANULAR, MOLDIC
50-90% ALTERED; SUBHEDRAL
GRAIN SIZE: FINE; RANGE: MICROCRYSTALLINE TO MEDIUM
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
ACCESSORY MINERALS: LIMESTONE-05%

2190 - 2200 DOLOSTONE; MODERATE YELLOWISH BROWN TO DARK YELLOWISH BROWN
POROSITY: INTERCRYSTALLINE, PIN POINT VUGS; 50-90% ALTERED
EUHEDRAL
GRAIN SIZE: MEDIUM; RANGE: MICROCRYSTALLINE TO MEDIUM
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
ACCESSORY MINERALS: LIMESTONE-01%
FOSSILS: BENTHIC FORAMINIFERA

2200 - 2220 DOLOSTONE; GRAYISH BROWN TO DARK YELLOWISH BROWN
POROSITY: INTERCRYSTALLINE; 90-100% ALTERED; SUBHEDRAL
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO MEDIUM
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
TRACE AMOUNTS OF LIMESTONE PRESENT IN SAMPLE SAMPLE BAG REPRESENTS A 20 FT INTERVAL.

2220 - 2230 DOLOSTONE; GRAYISH BROWN TO DARK BROWN
POROSITY: INTERCRYSTALLINE; 90-100% ALTERED; SUBHEDRAL
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO MEDIUM
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
APPROXIMATELY 10% OF SAMPLE HAS EUHEDRAL CRYSTALLINITY.

2230 - 2240 DOLOSTONE; GRAYISH BROWN TO DARK YELLOWISH BROWN
POROSITY: INTERCRYSTALLINE; 90-100% ALTERED; SUBHEDRAL
GRAIN SIZE: FINE; RANGE: MICROCRYSTALLINE TO MEDIUM
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
APPROXIMATELY 7% OF SAMPLE HAS EUHEDRAL CRYSTALLINITY.

2240 - 2250 DOLOSTONE; GRAYISH BROWN TO DARK YELLOWISH BROWN

POROSITY: INTERCRYSTALLINE; 90-100% ALTERED; SUBHEDRAL
GRAIN SIZE: FINE; RANGE: MICROCRYSTALLINE TO MEDIUM
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
ACCESSORY MINERALS: IRON STAIN-02%
APPROXIMATELY 5% OF SMAPLE HAS EUHEDRAL CRYSTALLINITY.

2250 - 2260 DOLOSTONE; GRAYISH BROWN TO DARK YELLOWISH BROWN
POROSITY: INTERCRYSTALLINE; 90-100% ALTERED; SUBHEDRAL
GRAIN SIZE: FINE; RANGE: MICROCRYSTALLINE TO MEDIUM
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
APPROXIMATELY 15% OF SAMPLE HAS EUHEDRAL CRYSTALLINITY.

2260 - 2270 AS ABOVE

2270 - 2280 DOLOSTONE; GRAYISH BROWN TO DARK YELLOWISH BROWN
POROSITY: INTERCRYSTALLINE; 90-100% ALTERED; SUBHEDRAL
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO MEDIUM
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
APPROXIMATELY 10% OF SAMPLE HAS EUHEDRAL CRYSTALLINITY.

2280 - 2290 DOLOSTONE; GRAYISH BROWN TO DARK YELLOWISH BROWN
POROSITY: INTERCRYSTALLINE; 50-90% ALTERED; SUBHEDRAL
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
SAMPLE RANGES FROM HIGH TO COMPLETELY ALTERED AND ~7% OF THE SAMPLE HAS EUHEDDRAL CRYSTALLINITY. TRACE LIMESTONE IS ALSO PRESENT IN THE SAMPLE. A COUPLE LEPIDOCYCLINA FRAGMENTS ARE PRESENT.

2290 - 2300 DOLOSTONE; DARK YELLOWISH BROWN TO GRAYISH BROWN
POROSITY: INTERCRYSTALLINE; 90-100% ALTERED; SUBHEDRAL
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
ACCESSORY MINERALS: LIMESTONE-05%
FOSSILS: BENTHIC FORAMINIFERA, ECHINOID, FOSSIL MOLDS MOLLUSKS
ROCK FRAGMENTS ARE UCH SMALLER THAN PREVIOUS 100FT OF SAMPLES. FOSSILS AND LIMESTONE FRAGMENTS ARE WHITE TO YELLOWISH GREY. LEPIDOCYCLINA AND DICTYOCONUS ARE PRESENT. POSSIBLY CAVINGS.

2300 - 2310 DOLOSTONE; MODERATE YELLOWISH BROWN TO DARK YELLOWISH BROWN
POROSITY: INTERCRYSTALLINE, INTERGRANULAR; 50-90% ALTERED

SUBHEDRAL
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
TRACE LIMESTONE FRAGMENTS PRESENT.

2310 - 2320 DOLOSTONE; DARK YELLOWISH BROWN TO WHITE
POROSITY: INTERCRYSTALLINE, INTERGRANULAR; 50-90% ALTERED
SUBHEDRAL
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
ACCESSORY MINERALS: LIMESTONE-40%
FOSSILS: BENTHIC FORAMINIFERA, ECHINOID, FOSSIL MOLDS
BRYOZOA
LIMESTONE PRESENT HAS SKELETAL, MICRITE AND SKELETAL CAST
GRAIN TYPES WITH ~75% OF THE LIMESTONE BEING ALLOCHEMS
LARGER THAN SILT. GRAIN SIZE RANGES FROM VERY FINE TO
GRAVEL WITH A MODAL GRAIN SIZE OF COARSE. THE INDURATION
IS MEDIUM CEMENTED BY MICRITE AND SPARRY CALCITE.
LIMESTONE IS HIGHLY RECRYSTALLIZED AND CONTAINS FOSSILS OF
LEPIDOCYCLINA, DICTYOCONUS AND BARNACLES PRESENT. CAVINGS
ARE POSSIBLE.

2320 - 2330 DOLOSTONE; GRAYISH BROWN TO DARK YELLOWISH BROWN
POROSITY: INTERCRYSTALLINE; 50-90% ALTERED; SUBHEDRAL
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
APPROXIMATELY 3% OF SAMPLE HAS EUHEDRAL CRYSTALLINITY.

2330 - 2340 DOLOSTONE; VERY LIGHT ORANGE TO DARK YELLOWISH BROWN
POROSITY: INTERCRYSTALLINE; 50-90% ALTERED; SUBHEDRAL
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
APPROXIMATELY 5% OF SAMPLE HAS EUHEDRAL CRYSTALLINITY.

2340 - 2350 DOLOSTONE; VERY LIGHT ORANGE TO DARK YELLOWISH BROWN
POROSITY: INTERCRYSTALLINE; 90-100% ALTERED; SUBHEDRAL
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
APPROXIMATELY 5% OF SAMPLE HAS EUHEDRAL CRYSTALLINITY.

2350 - 2360 DOLOSTONE; GRAYISH BROWN TO DARK YELLOWISH BROWN
POROSITY: INTERCRYSTALLINE; 90-100% ALTERED; SUBHEDRAL
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM

GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
ACCESSORY MINERALS: IRON STAIN-02%
TRACE AMOUNTS OF LIMESTONE ARE PRESENT. APPROXIMATE 3% OF SAMPLE HAS EUHEDRAL CRYSTALLINITY.

2360 - 2370 DOLOSTONE; GRAYISH BROWN TO DARK YELLOWISH BROWN
POROSITY: INTERCRYSTALLINE; 90-100% ALTERED; SUBHEDRAL
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
ACCESSORY MINERALS: LIMESTONE-05%
FOSSILS: BENTHIC FORAMINIFERA, ECHINOID, MOLLUSKS
ALTERATION MAY RANGE DOWN TO HIGH IN THE LIGHTER COLOR DOLOMITES POSSIBLE CAVINGS DUE TO THE PRESEENCE OF LEPIDOCYCLINAS.

2370 - 2380 DOLOSTONE; DARK YELLOWISH BROWN TO DARK YELLOWISH BROWN
POROSITY: INTERCRYSTALLINE; 90-100% ALTERED; SUBHEDRAL
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO MEDIUM
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
APPROXIMATELY 2% OF SAMPLE HAS EUHEDRAL CRYSTALLINITY.

2380 - 2390 DOLOSTONE; DARK YELLOWISH BROWN TO GRAYISH BROWN
POROSITY: INTERCRYSTALLINE; 90-100% ALTERED; SUBHEDRAL
GRAIN SIZE: FINE; RANGE: MICROCRYSTALLINE TO MEDIUM
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
MAY BE TWO DIFFERENT DOLOMITE BEDS PRESENT. ONE THAT IS COLORED VERY DARK BROWN AND COMES MOSTLY IN FRAGMENTS OF 20mm WIDE OR MORE. THE OTHER DOLOMITE PRESENT TENDS TO HAVE LARGER GRAIN SIZE, IS LIGHTER COLOR AND FRAGMENTS ARE SAMLLER. ALTERATION RANGES FROM COMPLETE IN THE DARKER DOLOMITES TO HIGH IN THE LIGHTER DOLOMITES.

2390 - 2400 DOLOSTONE; GRAYISH BROWN TO DARK YELLOWISH BROWN
POROSITY: INTERCRYSTALLINE; 50-90% ALTERED; SUBHEDRAL
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO MEDIUM
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
APPROXIMATELY 3% OF SAMPLE IS THE DARKER DOLOMITE FROM THE PREVIOUS TWO SAMPLES.

2400 - 2410 DOLOSTONE; GRAYISH BROWN TO DARK YELLOWISH BROWN
POROSITY: INTERCRYSTALLINE; 90-100% ALTERED; SUBHEDRAL
GRAIN SIZE: MICROCRYSTALLINE
RANGE: MICROCRYSTALLINE TO MEDIUM; GOOD INDURATION

CEMENT TYPE(S): DOLOMITE CEMENT

2410 - 2420 DOLOSTONE; GRAYISH BROWN TO VERY LIGHT ORANGE
POROSITY: INTERCRYSTALLINE; 50-90% ALTERED; SUBHEDRAL
GRAIN SIZE: MICROCRYSTALLINE
RANGE: MICROCRYSTALLINE TO MEDIUM; GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
ACCESSORY MINERALS: IRON STAIN-01%

2420 - 2430 DOLOSTONE; GRAYISH BROWN TO DARK YELLOWISH BROWN
POROSITY: INTERCRYSTALLINE; 50-90% ALTERED; SUBHEDRAL
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO MEDIUM
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
SAMPLE IS VARIABLY SUCROSIC.

2430 - 2440 DOLOSTONE; GRAYISH BROWN TO DARK YELLOWISH BROWN
POROSITY: INTERCRYSTALLINE; 50-90% ALTERED; SUBHEDRAL
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO MEDIUM
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
APPROXIMATELY 2% OF SAMPLE HAS EUHEDRAL CYRSTALLINITY.

2440 - 2450 DOLOSTONE; GRAYISH BROWN TO VERY LIGHT ORANGE
POROSITY: INTERCRYSTALLINE, MOLDIC, PIN POINT VUGS
50-90% ALTERED; SUBHEDRAL
GRAIN SIZE: MICROCRYSTALLINE
RANGE: MICROCRYSTALLINE TO MEDIUM; GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
FOSSILS: FOSSIL MOLDS
MOLDIC POROSITY MARKED FROM SPHERICAL VOIDS OF SIMILAR SIZE
SEEN THROUGHOUT SAMPLE.

2450 - 2460 DOLOSTONE; DARK YELLOWISH BROWN TO VERY LIGHT ORANGE
POROSITY: INTERCRYSTALLINE, PIN POINT VUGS
90-100% ALTERED; SUBHEDRAL
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO MEDIUM
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
FOSSILS: FOSSIL MOLDS
ALTERATION IS MEDIUM FOR THE LIGHTEST COLOR DOLOSTONE.
THIS DOLOSTONE MAKES UP ABOUT 7% OF SAMPLE AND CONTAINS
MOLLUSK MOLDS.

2460 - 2470 DOLOSTONE; VERY LIGHT ORANGE TO MODERATE LIGHT GRAY
POROSITY: INTERCRYSTALLINE, PIN POINT VUGS; 10-50% ALTERED
SUBHEDRAL
GRAIN SIZE: MICROCRYSTALLINE

RANGE: MICROCRYSTALLINE TO FINE; GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT

2470 - 2480 DOLOSTONE; DARK YELLOWISH BROWN TO GRAYISH BROWN
POROSITY: INTERCRYSTALLINE; 90-100% ALTERED; SUBHEDRAL
GRAIN SIZE: MICROCRYSTALLINE
RANGE: MICROCRYSTALLINE TO FINE; GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
ACCESSORY MINERALS: CHERT-02%

2480 - 2490 DOLOSTONE; GRAYISH BROWN TO DARK YELLOWISH BROWN
POROSITY: INTERCRYSTALLINE; 50-90% ALTERED; SUBHEDRAL
GRAIN SIZE: MICROCRYSTALLINE
RANGE: MICROCRYSTALLINE TO FINE; GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
TRACE AMOUNTS TO 1% OF A DARK SPOTTING, MAYBE ORGANICS PRESENT.

2490 - 2500 AS ABOVE

2500 TOTAL DEPTH