

LITHOLOGIC WELL LOG PRINTOUT

SOURCE - FGS

WELL NUMBER: W-18109  
TOTAL DEPTH: 2210 FT.  
120 SAMPLES FROM 500 TO 2210 FT.

COUNTY - OSCEOLA  
LOCATION: T.26S R.30S S.05  
LAT = 28D 15M 06S  
LON = 08D 19M 45S

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

ELEVATION: 60 FT

OWNER/DRILLER:SOUTH FLORIDA WATER MANAGEMENT DISTRICT/USGS/RICK SPECHLER.

WORKED BY:SUE BRODERICK, 2000.

ALL SAMPLES ARE CUTTINGS TAKEN AT 10FT INTERVALS.

THE DESCRIPTION OF INTERVAL 0-500FT IS CROSS REFERENCED WITH W-16954;  
DESCRIPTION DONE IN 1992 BY ALEX HOWELL.

SFWMD ID# OSF-81.

ENTERED BY D. PAUL 2000.

0.0 - 500.0 000NOSM NO SAMPLES  
500.0 - 1940.0 124AVPK AVON PARK FM.  
1940.0 - 2210. 124OLDM OLDSMAR LIMESTONE

0 - 500 NO SAMPLES

500 - 510 DOLOSTONE; DARK YELLOWISH BROWN  
10% POROSITY: INTERCRYSTALLINE, POSSIBLY HIGH PERMEABILITY  
PIN POINT VUGS; 90-100% ALTERED; EUHEDRAL  
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE  
GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT  
ACCESSORY MINERALS: LIMESTONE-01%  
OTHER FEATURES: SUCROSIC

510 - 520 DOLOSTONE; GRAYISH BROWN TO YELLOWISH GRAY  
10% POROSITY: INTERCRYSTALLINE, POSSIBLY HIGH PERMEABILITY  
PIN POINT VUGS; 90-100% ALTERED; SUBHEDRAL  
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE  
GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT  
ACCESSORY MINERALS: LIMESTONE-01%  
OTHER FEATURES: SUCROSIC

520 - 530 DOLOSTONE; YELLOWISH GRAY  
10% POROSITY: INTERCRYSTALLINE, POSSIBLY HIGH PERMEABILITY  
PIN POINT VUGS; 50-90% ALTERED; ANHEDRAL  
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE  
GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT, CALCILUTITE MATRIX

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ACCESSORY MINERALS: LIMESTONE-01%

OTHER FEATURES: SUCROSIC

- 530 - 540 MUDSTONE; YELLOWISH GRAY  
15% POROSITY: INTERGRANULAR  
GRAIN TYPE: CALCILUTITE; 08% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE  
MODERATE INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX, DOLOMITE CEMENT  
ACCESSORY MINERALS: CLAY-03%, HEAVY MINERALS-01%  
PHOSPHATIC SAND-01%  
OTHER FEATURES: MUDDY, HIGH RECRYSTALLIZATION, DOLOMITIC  
HEAVIES AND PHOSPHATE MAY BE CAVED FROM THE MISSING 500FT  
INTERVAL ABOVE.
- 540 - 550 MUDSTONE; YELLOWISH GRAY  
15% POROSITY: INTERGRANULAR  
GRAIN TYPE: CALCILUTITE; 08% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE  
GOOD INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX, DOLOMITE CEMENT  
ACCESSORY MINERALS: CLAY-03%, DOLOMITE-03%  
OTHER FEATURES: MUDDY, HIGH RECRYSTALLIZATION, DOLOMITIC
- 550 - 570 DOLOSTONE; YELLOWISH GRAY  
15% POROSITY, 50-90% ALTERED; ANHEDRAL  
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE  
GOOD INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX, DOLOMITE CEMENT  
ACCESSORY MINERALS: CLAY-02%, LIMESTONE-01%  
OTHER FEATURES: MUDDY, SUCROSIC
- 570 - 580 LIMESTONE; YELLOWISH GRAY TO LIGHT OLIVE GRAY  
10% POROSITY: INTERGRANULAR  
GRAIN TYPE: CALCILUTITE, BIOGENIC  
10% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE  
GOOD INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX, DOLOMITE CEMENT  
ACCESSORY MINERALS: DOLOMITE-20%, HEAVY MINERALS-01%  
PHOSPHATIC SAND-01%  
OTHER FEATURES: SUCROSIC, MUDDY, HIGH RECRYSTALLIZATION  
SAMPLE IS A MIX OF DOLOSTONE AND LIMESTONE. HEAVIES AND  
PHOSPHATE MAY BE CAVED FROM THE MISSING 500FT INTERVAL  
ABOVE.
- 580 - 590 PACKSTONE; YELLOWISH GRAY  
10% POROSITY: INTERGRANULAR, PIN POINT VUGS

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GRAIN TYPE: CALCILUTITE, BIOGENIC  
20% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM  
MODERATE INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX, DOLOMITE CEMENT  
ACCESSORY MINERALS: DOLOMITE-05%, HEAVY MINERALS-01%  
OTHER FEATURES: SUCROSIC, DOLOMITIC  
HIGH RECRYSTALLIZATION

590 - 610 DOLOSTONE; YELLOWISH GRAY  
10% POROSITY: INTERGRANULAR, INTERCRYSTALLINE  
PIN POINT VUGS; 50-90% ALTERED; ANHEDRAL  
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO MEDIUM  
MODERATE INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT, CALCILUTITE MATRIX  
FOSSILS: MOLLUSKS

610 - 630 DOLOSTONE; YELLOWISH GRAY TO DARK GRAYISH YELLOW  
15% POROSITY: INTERGRANULAR, INTERCRYSTALLINE  
PIN POINT VUGS; 90-100% ALTERED; SUBHEDRAL  
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE  
MODERATE INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT  
ACCESSORY MINERALS: LIMESTONE-01%  
OTHER FEATURES: SUCROSIC, CRYSTALLINE

630 - 650 DOLOSTONE; YELLOWISH GRAY  
10% POROSITY: INTERGRANULAR, INTERCRYSTALLINE  
PIN POINT VUGS; 90-100% ALTERED; SUBHEDRAL  
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE  
MODERATE INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT  
ACCESSORY MINERALS: LIMESTONE-02%  
OTHER FEATURES: SUCROSIC  
FOSSILS: FOSSIL MOLDS, MOLLUSKS, BENTHIC FORAMINIFERA

650 - 660 DOLOSTONE; YELLOWISH GRAY TO MODERATE LIGHT GRAY  
10% POROSITY: INTERGRANULAR, INTERCRYSTALLINE  
PIN POINT VUGS; 90-100% ALTERED; SUBHEDRAL  
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE  
GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT  
ACCESSORY MINERALS: LIMESTONE-03%  
OTHER FEATURES: SUCROSIC, CRYSTALLINE  
FOSSILS: FOSSIL MOLDS, MOLLUSKS, BENTHIC FORAMINIFERA

660 - 690 DOLOSTONE; YELLOWISH GRAY TO LIGHT OLIVE GRAY  
10% POROSITY: INTERGRANULAR, INTERCRYSTALLINE

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PIN POINT VUGS; 90-100% ALTERED; SUBHEDRAL  
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE  
GOOD INDURATION

CEMENT TYPE(S): DOLOMITE CEMENT

ACCESSORY MINERALS: LIMESTONE-03%

OTHER FEATURES: SUCROSIC

FOSSILS: FOSSIL MOLDS, MOLLUSKS, BENTHIC FORAMINIFERA  
FORAMS ARE POSSIBLY GUNTERIA SP., POORLY PRESERVED.

690 - 700 DOLOSTONE; YELLOWISH GRAY TO LIGHT OLIVE GRAY  
15% POROSITY: INTERGRANULAR, INTERCRYSTALLINE  
PIN POINT VUGS; 90-100% ALTERED; EUHEDRAL  
GRAIN SIZE: FINE; RANGE: VERY FINE TO FINE  
GOOD INDURATION

CEMENT TYPE(S): DOLOMITE CEMENT

ACCESSORY MINERALS: LIMESTONE-02%

OTHER FEATURES: SUCROSIC, CRYSTALLINE

FOSSILS: FOSSIL MOLDS, MOLLUSKS

700 - 720 DOLOSTONE; YELLOWISH GRAY  
15% POROSITY: INTERGRANULAR, INTERCRYSTALLINE  
PIN POINT VUGS; 50-90% ALTERED; SUBHEDRAL  
GRAIN SIZE: FINE; RANGE: VERY FINE TO FINE  
GOOD INDURATION

CEMENT TYPE(S): DOLOMITE CEMENT

ACCESSORY MINERALS: CLAY-01%, LIMESTONE-01%

OTHER FEATURES: SUCROSIC

FOSSILS: FOSSIL MOLDS, MOLLUSKS

720 - 750 DOLOSTONE; YELLOWISH GRAY TO LIGHT OLIVE GRAY  
10% POROSITY: INTERCRYSTALLINE, PIN POINT VUGS  
50-90% ALTERED; SUBHEDRAL  
GRAIN SIZE: FINE; RANGE: VERY FINE TO FINE  
GOOD INDURATION

CEMENT TYPE(S): DOLOMITE CEMENT

ACCESSORY MINERALS: CLAY-01%, LIMESTONE-03%

OTHER FEATURES: SUCROSIC

750 - 790 DOLOSTONE; YELLOWISH GRAY TO LIGHT OLIVE GRAY  
10% POROSITY: INTERCRYSTALLINE, PIN POINT VUGS  
90-100% ALTERED; SUBHEDRAL  
GRAIN SIZE: FINE; RANGE: VERY FINE TO FINE  
GOOD INDURATION

CEMENT TYPE(S): DOLOMITE CEMENT

ACCESSORY MINERALS: CLAY-02%, LIMESTONE-03%

CALCILUTITE-01%

OTHER FEATURES: SUCROSIC

FOSSILS: FOSSIL MOLDS, MOLLUSKS, BENTHIC FORAMINIFERA

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SHARKS TEETH

- 790 - 800 DOLOSTONE; LIGHT OLIVE GRAY  
15% POROSITY: INTERCRYSTALLINE, PIN POINT VUGS  
50-90% ALTERED; EUHEDRAL  
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE  
GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT  
ACCESSORY MINERALS: LIMESTONE-05%  
OTHER FEATURES: SUCROSIC  
FOSSILS: FOSSIL MOLDS, FOSSIL FRAGMENTS
- 800 - 810 DOLOSTONE; YELLOWISH GRAY TO GRAYISH ORANGE  
15% POROSITY: INTERCRYSTALLINE, PIN POINT VUGS  
50-90% ALTERED; SUBHEDRAL  
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE  
GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT, CLAY MATRIX  
ACCESSORY MINERALS: CLAY-02%, LIMESTONE-03%  
OTHER FEATURES: SUCROSIC  
FOSSILS: FOSSIL FRAGMENTS, MOLLUSKS
- 810 - 820 NO SAMPLES
- 820 - 840 WACKESTONE; YELLOWISH GRAY  
10% POROSITY: MOLDIC, PIN POINT VUGS  
GRAIN TYPE: CALCILUTITE; 15% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO MEDIUM  
MODERATE INDURATION  
CEMENT TYPE(S): CLAY MATRIX, DOLOMITE CEMENT  
ACCESSORY MINERALS: CLAY-03%, SILT-SIZE DOLOMITE-01%  
OTHER FEATURES: SUCROSIC, HIGH RECRYSTALLIZATION  
DOLOMITIC  
FOSSILS: FOSSIL FRAGMENTS, BENTHIC FORAMINIFERA, MOLLUSKS  
FOSSIL MOLDS
- 840 - 850 DOLOSTONE; YELLOWISH GRAY  
15% POROSITY: MOLDIC, PIN POINT VUGS, INTERCRYSTALLINE  
50-90% ALTERED; ANHEDRAL  
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO MEDIUM  
MODERATE INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT, CLAY MATRIX  
ACCESSORY MINERALS: LIMESTONE-02%, ANHYDRITE-01%  
OTHER FEATURES: SUCROSIC  
FOSSILS: FOSSIL FRAGMENTS, BENTHIC FORAMINIFERA, MOLLUSKS  
FOSSIL MOLDS
- 850 - 880 WACKESTONE; YELLOWISH GRAY TO LIGHT OLIVE GRAY

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10% POROSITY: MOLDIC, PIN POINT VUGS  
GRAIN TYPE: CALCILUTITE, BIOGENIC  
15% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO MEDIUM  
MODERATE INDURATION  
CEMENT TYPE(S): CLAY MATRIX, DOLOMITE CEMENT  
CALCILUTITE MATRIX  
ACCESSORY MINERALS: SPAR-03%, SILT-SIZE DOLOMITE-03%  
DOLOMITE-04%, SPAR-02%  
OTHER FEATURES: HIGH RECRYSTALLIZATION, DOLOMITIC  
SUCROSIC  
FOSSILS: FOSSIL FRAGMENTS, BENTHIC FORAMINIFERA, MOLLUSKS  
WORM TRACES, FOSSIL MOLDS  
SAMPLE ALSO CONTAINS 3% ANHYDRITE CRYSTALS.

880 - 900 WACKESTONE; YELLOWISH GRAY TO LIGHT OLIVE GRAY  
10% POROSITY: PIN POINT VUGS, MOLDIC, INTERGRANULAR  
GRAIN TYPE: CALCILUTITE, BIOGENIC  
20% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO MEDIUM  
MODERATE INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX, CLAY MATRIX  
DOLOMITE CEMENT  
ACCESSORY MINERALS: CLAY-02%, DOLOMITE-03%  
SILT-SIZE DOLOMITE-01%  
OTHER FEATURES: HIGH RECRYSTALLIZATION, DOLOMITIC  
FOSSILS: FOSSIL FRAGMENTS, MOLLUSKS, BENTHIC FORAMINIFERA  
FOSSIL MOLDS

900 - 920 WACKESTONE; YELLOWISH GRAY  
10% POROSITY: PIN POINT VUGS, MOLDIC, INTERGRANULAR  
GRAIN TYPE: CALCILUTITE, BIOGENIC  
25% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM  
MODERATE INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX, CLAY MATRIX  
ACCESSORY MINERALS: ANHYDRITE-02%, DOLOMITE-03%  
SILT-SIZE DOLOMITE-01%, CLAY-03%  
OTHER FEATURES: HIGH RECRYSTALLIZATION, DOLOMITIC  
FOSSILS: FOSSIL FRAGMENTS, FOSSIL MOLDS

920 - 940 DOLOSTONE; VERY LIGHT ORANGE TO LIGHT OLIVE GRAY  
15% POROSITY: PIN POINT VUGS, INTERGRANULAR  
INTERCRYSTALLINE; 50-90% ALTERED; ANHEDRAL  
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE  
GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT, CALCILUTITE MATRIX  
ACCESSORY MINERALS: LIMESTONE-01%

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FOSSILS: FOSSIL FRAGMENTS, BENTHIC FORAMINIFERA  
FOSSIL MOLDS

- 940 - 980 DOLOSTONE; VERY LIGHT ORANGE TO LIGHT OLIVE GRAY  
15% POROSITY: PIN POINT VUGS, INTERGRANULAR  
INTERCRYSTALLINE; 50-90% ALTERED; SUBHEDRAL  
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO MEDIUM  
GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT  
ACCESSORY MINERALS: ANHYDRITE-01%, LIMESTONE-01%  
FOSSILS: FOSSIL FRAGMENTS, FOSSIL MOLDS  
BENTHIC FORAMINIFERA, MOLLUSKS
- 980 - 1000 DOLOSTONE; DARK GRAYISH YELLOW TO LIGHT OLIVE GRAY  
15% POROSITY: PIN POINT VUGS, MOLDIC, INTERCRYSTALLINE  
90-100% ALTERED; SUBHEDRAL  
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO MEDIUM  
GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT, CLAY MATRIX  
ACCESSORY MINERALS: LIMESTONE-02%, CLAY-02%, SPAR-02%  
FOSSILS: FOSSIL FRAGMENTS, FOSSIL MOLDS  
BENTHIC FORAMINIFERA, MOLLUSKS
- 1000 - 1030 DOLOSTONE; VERY LIGHT ORANGE TO YELLOWISH GRAY  
15% POROSITY: PIN POINT VUGS, MOLDIC, INTERCRYSTALLINE  
90-100% ALTERED; ANHEDRAL  
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO MEDIUM  
GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT, CLAY MATRIX  
ACCESSORY MINERALS: CLAY-01%, LIMESTONE-01%, SPAR-01%  
FOSSILS: FOSSIL FRAGMENTS, FOSSIL MOLDS, MOLLUSKS
- 1030 - 1040 WACKESTONE; WHITE TO YELLOWISH GRAY  
10% POROSITY: PIN POINT VUGS, MOLDIC  
GRAIN TYPE: CALCILUTITE, BIOGENIC  
20% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM  
MODERATE INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX, CLAY MATRIX  
DOLOMITE CEMENT  
ACCESSORY MINERALS: CLAY-01%, SILT-SIZE DOLOMITE-02%  
DOLOMITE-01%  
OTHER FEATURES: HIGH RECRYSTALLIZATION, DOLOMITIC  
FOSSILS: FOSSIL FRAGMENTS, FOSSIL MOLDS, MOLLUSKS
- 1040 - 1060 DOLOSTONE; VERY LIGHT ORANGE TO YELLOWISH GRAY  
15% POROSITY: PIN POINT VUGS, MOLDIC, INTERCRYSTALLINE  
90-100% ALTERED; ANHEDRAL

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GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO MEDIUM  
GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT  
ACCESSORY MINERALS: LIMESTONE-02%, ANHYDRITE-01%, SPAR-01%  
FOSSILS: FOSSIL FRAGMENTS, FOSSIL MOLDS, MOLLUSKS

1060 - 1070 DOLOSTONE; LIGHT OLIVE GRAY TO YELLOWISH GRAY  
15% POROSITY: PIN POINT VUGS, MOLDIC, INTERCRYSTALLINE  
50-90% ALTERED; ANHEDRAL  
GRAIN SIZE: FINE; RANGE: MICROCRYSTALLINE TO MEDIUM  
GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT  
ACCESSORY MINERALS: CLAY-01%, ANHYDRITE-01%  
FOSSILS: FOSSIL MOLDS, MOLLUSKS

1070 - 1110 WACKESTONE; YELLOWISH GRAY TO LIGHT OLIVE GRAY  
10% POROSITY: PIN POINT VUGS, MOLDIC  
GRAIN TYPE: CALCILUTITE, BIOGENIC  
20% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM  
MODERATE INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX, DOLOMITE CEMENT  
ACCESSORY MINERALS: DOLOMITE-05%, CLAY-02%  
OTHER FEATURES: HIGH RECRYSTALLIZATION, DOLOMITIC  
FOSSILS: FOSSIL MOLDS, FOSSIL FRAGMENTS

1110 - 1120 WACKESTONE; YELLOWISH GRAY  
10% POROSITY: PIN POINT VUGS, MOLDIC  
GRAIN TYPE: CALCILUTITE, BIOGENIC  
20% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM  
MODERATE INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX, DOLOMITE CEMENT  
ACCESSORY MINERALS: DOLOMITE-01%, CLAY-01%  
OTHER FEATURES: HIGH RECRYSTALLIZATION, DOLOMITIC  
FOSSILS: FOSSIL MOLDS, FOSSIL FRAGMENTS

1120 - 1140 DOLOSTONE; LIGHT OLIVE GRAY TO YELLOWISH GRAY  
15% POROSITY: INTERGRANULAR, INTERCRYSTALLINE  
PIN POINT VUGS; 90-100% ALTERED; EUHEDRAL  
GRAIN SIZE: FINE; RANGE: VERY FINE TO FINE  
GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT  
ACCESSORY MINERALS: LIMESTONE-02%, CLAY-01%  
OTHER FEATURES: SUCROSIC  
FOSSILS: FOSSIL MOLDS

1140 - 1150 DOLOSTONE; VERY LIGHT ORANGE TO YELLOWISH GRAY



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15% POROSITY: INTERGRANULAR, INTERCRYSTALLINE  
90-100% ALTERED; EUHEDRAL  
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE  
GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT  
ACCESSORY MINERALS: CLAY-01%, LIMESTONE-03%  
OTHER FEATURES: SUCROSIC  
FOSSILS: FOSSIL MOLDS, FOSSIL FRAGMENTS

1150 - 1180 DOLOSTONE; YELLOWISH GRAY TO YELLOWISH GRAY  
15% POROSITY: INTERGRANULAR, PIN POINT VUGS  
INTERCRYSTALLINE; 90-100% ALTERED; SUBHEDRAL  
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE  
GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT  
ACCESSORY MINERALS: LIMESTONE-02%  
OTHER FEATURES: SUCROSIC  
FOSSILS: FOSSIL MOLDS, FOSSIL FRAGMENTS

1180 - 1200 DOLOSTONE; YELLOWISH GRAY TO LIGHT OLIVE GRAY  
15% POROSITY: INTERGRANULAR, PIN POINT VUGS  
INTERCRYSTALLINE; 90-100% ALTERED; EUHEDRAL  
GRAIN SIZE: FINE; RANGE: VERY FINE TO FINE  
MODERATE INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT  
ACCESSORY MINERALS: LIMESTONE-01%  
OTHER FEATURES: SUCROSIC  
FOSSILS: FOSSIL FRAGMENTS

1200 - 1230 DOLOSTONE; GRAYISH BROWN TO VERY LIGHT ORANGE  
15% POROSITY: INTERGRANULAR, PIN POINT VUGS  
90-100% ALTERED; EUHEDRAL  
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM  
GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT  
ACCESSORY MINERALS: LIMESTONE-02%  
OTHER FEATURES: SUCROSIC

1230 - 1240 NO SAMPLES

1240 - 1250 DOLOSTONE; GRAYISH BROWN TO VERY LIGHT ORANGE  
15% POROSITY: INTERGRANULAR, PIN POINT VUGS  
90-100% ALTERED; EUHEDRAL  
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM  
GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT  
ACCESSORY MINERALS: LIMESTONE-02%  
OTHER FEATURES: SUCROSIC

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- 1250 - 1260 DOLOSTONE; LIGHT OLIVE GRAY TO YELLOWISH GRAY  
15% POROSITY: INTERGRANULAR, PIN POINT VUGS  
INTERCRYSTALLINE; 50-90% ALTERED; SUBHEDRAL  
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM  
GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT, CLAY MATRIX  
ACCESSORY MINERALS: LIMESTONE-09%, CLAY-02%  
OTHER FEATURES: SUCROSIC
- 1260 - 1300 DOLOSTONE; LIGHT OLIVE BROWN TO DARK GRAYISH YELLOW  
15% POROSITY: INTERGRANULAR, PIN POINT VUGS  
INTERCRYSTALLINE; 90-100% ALTERED; EUHEDRAL  
GRAIN SIZE: FINE; RANGE: VERY FINE TO FINE  
GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT  
ACCESSORY MINERALS: LIMESTONE-02%, CLAY-01%  
OTHER FEATURES: SUCROSIC
- 1300 - 1310 DOLOSTONE; GRAYISH BROWN TO DARK YELLOWISH BROWN  
90-100% ALTERED; EUHEDRAL  
GRAIN SIZE: FINE; RANGE: VERY FINE TO FINE  
GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT  
ACCESSORY MINERALS: LIMESTONE-01%  
OTHER FEATURES: SUCROSIC
- 1310 - 1330 DOLOSTONE; MODERATE YELLOWISH BROWN  
15% POROSITY: INTERGRANULAR, INTERCRYSTALLINE  
90-100% ALTERED; EUHEDRAL  
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM  
GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT  
OTHER FEATURES: SUCROSIC
- 1330 - 1340 DOLOSTONE; VERY LIGHT ORANGE TO GRAYISH BROWN  
15% POROSITY: INTERCRYSTALLINE, INTERGRANULAR  
90-100% ALTERED; ANHEDRAL  
GRAIN SIZE: FINE; RANGE: VERY FINE TO FINE  
GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT  
ACCESSORY MINERALS: LIMESTONE-01%  
OTHER FEATURES: SUCROSIC
- 1340 - 1360 DOLOSTONE; GRAYISH BROWN TO LIGHT OLIVE GRAY  
15% POROSITY: INTERCRYSTALLINE, INTERGRANULAR  
90-100% ALTERED; ANHEDRAL  
GRAIN SIZE: FINE; RANGE: VERY FINE TO FINE

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GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT, CLAY MATRIX  
ACCESSORY MINERALS: LIMESTONE-05%, CLAY-02%  
SAMPLE ALSO INCLUDES ~10% FINE GRAINED EUHEDRAL CRYSTALS OF  
DOLOMITE.

- 1360 - 1380 DOLOSTONE; LIGHT OLIVE GRAY  
15% POROSITY: INTERCRYSTALLINE, INTERGRANULAR  
90-100% ALTERED; SUBHEDRAL  
GRAIN SIZE: FINE; RANGE: VERY FINE TO FINE  
GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT  
ACCESSORY MINERALS: ANHYDRITE-02%  
OTHER FEATURES: SUCROSIC
- 1380 - 1400 DOLOSTONE; YELLOWISH GRAY TO VERY LIGHT ORANGE  
10% POROSITY: INTERCRYSTALLINE, INTERGRANULAR  
90-100% ALTERED; SUBHEDRAL  
GRAIN SIZE: FINE; RANGE: VERY FINE TO FINE  
MODERATE INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT  
ACCESSORY MINERALS: ANHYDRITE-05%, LIMESTONE-02%  
OTHER FEATURES: SUCROSIC  
FOSSILS: FOSSIL FRAGMENTS
- 1400 - 1420 DOLOSTONE; LIGHT BLUISH GRAY TO MODERATE BLUISH GRAY  
10% POROSITY: INTERCRYSTALLINE, INTERGRANULAR  
90-100% ALTERED; EUHEDRAL  
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM  
GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT  
ACCESSORY MINERALS: ANHYDRITE-01%  
OTHER FEATURES: SUCROSIC
- 1420 - 1430 DOLOSTONE; LIGHT OLIVE GRAY TO GRAYISH BROWN  
15% POROSITY: INTERCRYSTALLINE, INTERGRANULAR  
PIN POINT VUGS; 90-100% ALTERED; ANHEDRAL  
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE  
GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT, CLAY MATRIX  
ACCESSORY MINERALS: CLAY-01%
- 1430 - 1440 DOLOSTONE; LIGHT BLUISH GRAY TO MODERATE BLUISH GRAY  
10% POROSITY: INTERCRYSTALLINE, INTERGRANULAR  
90-100% ALTERED; EUHEDRAL  
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM  
GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT

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ACCESSORY MINERALS: ANHYDRITE-02%  
OTHER FEATURES: SUCROSIC

- 1440 - 1450 DOLOSTONE; LIGHT GREENISH GRAY TO LIGHT BLUISH GRAY  
15% POROSITY: INTERCRYSTALLINE, INTERGRANULAR  
90-100% ALTERED; EUHEDRAL  
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM  
GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT  
ACCESSORY MINERALS: ANHYDRITE-02%  
OTHER FEATURES: SUCROSIC
- 1450 - 1490 DOLOSTONE; LIGHT GREENISH GRAY TO YELLOWISH GRAY  
15% POROSITY: INTERCRYSTALLINE, MOLDIC, PIN POINT VUGS  
90-100% ALTERED; EUHEDRAL  
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM  
GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT  
ACCESSORY MINERALS: LIMESTONE-05%, ANHYDRITE-02%  
OTHER FEATURES: SUCROSIC  
FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, FOSSIL MOLDS
- 1490 - 1500 DOLOSTONE; LIGHT OLIVE GRAY TO GREENISH GRAY  
15% POROSITY: INTERCRYSTALLINE, INTERGRANULAR  
90-100% ALTERED; ANHEDRAL  
GRAIN SIZE: FINE; RANGE: VERY FINE TO FINE  
GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT  
ACCESSORY MINERALS: LIMESTONE-01%, ANHYDRITE-03%  
OTHER FEATURES: SUCROSIC
- 1500 - 1520 DOLOSTONE; YELLOWISH GRAY TO LIGHT OLIVE GRAY  
10% POROSITY: INTERCRYSTALLINE, INTERGRANULAR  
90-100% ALTERED; ANHEDRAL  
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM  
GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT  
ACCESSORY MINERALS: LIMESTONE-01%, ANHYDRITE-02%  
OTHER FEATURES: SUCROSIC  
DOLOMITE CRYSTALS ARE ANHEDRAL TO SUBHEDRAL.
- 1520 - 1530 DOLOSTONE; LIGHT OLIVE GRAY TO GRAYISH OLIVE  
90-100% ALTERED; SUBHEDRAL  
GRAIN SIZE: FINE; RANGE: MICROCRYSTALLINE TO MEDIUM  
GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT  
OTHER FEATURES: SUCROSIC

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- 1530 - 1550 DOLOSTONE; LIGHT BLUISH GRAY TO GRAYISH BROWN  
10% POROSITY: INTERCRYSTALLINE, INTERGRANULAR  
90-100% ALTERED; EUHEDRAL  
GRAIN SIZE: MEDIUM; RANGE: VERY FINE TO MEDIUM  
GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT  
OTHER FEATURES: SUCROSIC  
BROWNISH DOLOMITE IS FINER GRAINED AND SUBHEDRAL.
- 1550 - 1570 DOLOSTONE; LIGHT BLUISH GRAY TO YELLOWISH GRAY  
10% POROSITY: INTERCRYSTALLINE, INTERGRANULAR  
50-90% ALTERED; EUHEDRAL  
GRAIN SIZE: MEDIUM; RANGE: VERY FINE TO COARSE  
MODERATE INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT  
ACCESSORY MINERALS: ANHYDRITE-01%, SPAR-03%  
OTHER FEATURES: SUCROSIC  
SAMPLE INCLUDES 20-30% WHITE CHALKY LIMESTONE.
- 1570 - 1590 DOLOSTONE; LIGHT BLUISH GRAY TO GRAYISH BROWN  
10% POROSITY: INTERCRYSTALLINE, INTERGRANULAR  
50-90% ALTERED; EUHEDRAL  
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM  
MODERATE INDURATION  
ACCESSORY MINERALS: ANHYDRITE-01%, SPAR-03%  
OTHER FEATURES: SUCROSIC
- 1590 - 1610 WACKESTONE; YELLOWISH GRAY TO LIGHT GREENISH GRAY  
10% POROSITY: INTERCRYSTALLINE, INTERGRANULAR  
GRAIN TYPE: CALCILUTITE, BIOGENIC  
20% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: FINE; RANGE: VERY FINE TO FINE  
POOR INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX, CLAY MATRIX  
ACCESSORY MINERALS: ANHYDRITE-05%, DOLOMITE-05%  
SILT-SIZE DOLOMITE-01%, CLAY-02%  
OTHER FEATURES: CHALKY, HIGH RECRYSTALLIZATION, DOLOMITIC
- 1610 - 1620 NO SAMPLES
- 1620 - 1660 WACKESTONE; YELLOWISH GRAY TO PINKISH GRAY  
10% POROSITY: INTERGRANULAR, PIN POINT VUGS  
GRAIN TYPE: CALCILUTITE, BIOGENIC  
15% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: FINE; RANGE: VERY FINE TO FINE  
MODERATE INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX, DOLOMITE CEMENT  
ACCESSORY MINERALS: DOLOMITE-05%

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OTHER FEATURES: HIGH RECRYSTALLIZATION, DOLOMITIC

- 1660 - 1670 WACKESTONE; LIGHT GREENISH YELLOW TO PINKISH GRAY  
10% POROSITY: INTERGRANULAR, PIN POINT VUGS, MOLDIC  
GRAIN TYPE: CALCILUTITE, BIOGENIC  
15% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: FINE; RANGE: VERY FINE TO FINE  
MODERATE INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX, DOLOMITE CEMENT  
ACCESSORY MINERALS: DOLOMITE-05%  
OTHER FEATURES: HIGH RECRYSTALLIZATION, DOLOMITIC  
FOSSILS: FOSSIL FRAGMENTS, FOSSIL MOLDS
- 1670 - 1680 NO SAMPLES
- 1680 - 1690 WACKESTONE; YELLOWISH GRAY TO PINKISH GRAY  
10% POROSITY: INTERGRANULAR, PIN POINT VUGS  
GRAIN TYPE: CALCILUTITE, BIOGENIC  
15% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: FINE; RANGE: VERY FINE TO FINE  
MODERATE INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX  
ACCESSORY MINERALS: DOLOMITE-07%  
OTHER FEATURES: HIGH RECRYSTALLIZATION, DOLOMITIC
- 1690 - 1700 NO SAMPLES
- 1700 - 1740 WACKESTONE; YELLOWISH GRAY TO VERY LIGHT GRAY  
10% POROSITY: PIN POINT VUGS, INTERGRANULAR  
GRAIN TYPE: CALCILUTITE; 15% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM  
MODERATE INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX, CLAY MATRIX  
ACCESSORY MINERALS: ANHYDRITE-01%, DOLOMITE-02%, CLAY-01%  
OTHER FEATURES: DOLOMITIC, HIGH RECRYSTALLIZATION  
FOSSILS: FOSSIL FRAGMENTS, FOSSIL MOLDS  
BENTHIC FORAMINIFERA  
FORAMS INCLUDE CONE FRAGMENTS.
- 1740 - 1750 WACKESTONE; YELLOWISH GRAY TO WHITE  
10% POROSITY: PIN POINT VUGS  
GRAIN TYPE: CALCILUTITE; 12% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM  
POOR INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX, CLAY MATRIX  
ACCESSORY MINERALS: CLAY-01%, DOLOMITE-01%  
SILT-SIZE DOLOMITE-03%  
OTHER FEATURES: DOLOMITIC, HIGH RECRYSTALLIZATION

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- 1750 - 1770 WACKESTONE; YELLOWISH GRAY TO VERY LIGHT GRAY  
10% POROSITY: PIN POINT VUGS, INTERGRANULAR  
GRAIN TYPE: CALCILUTITE; 15% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM  
MODERATE INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX  
ACCESSORY MINERALS: ANHYDRITE-01%, DOLOMITE-03%  
SILT-SIZE DOLOMITE-03%  
OTHER FEATURES: DOLOMITIC, HIGH RECRYSTALLIZATION  
FOSSILS: FOSSIL FRAGMENTS, FOSSIL MOLDS  
BENTHIC FORAMINIFERA
- 1770 - 1780 DOLOSTONE; YELLOWISH GRAY TO GRAYISH BROWN  
15% POROSITY: INTERCRYSTALLINE; 90-100% ALTERED; SUBHEDRAL  
GRAIN SIZE: FINE; RANGE: VERY FINE TO FINE  
MODERATE INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT  
ACCESSORY MINERALS: LIMESTONE-02%, ANHYDRITE-01%
- 1780 - 1790 DOLOSTONE; YELLOWISH GRAY TO GRAYISH BROWN  
15% POROSITY: INTERCRYSTALLINE; 90-100% ALTERED; SUBHEDRAL  
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM  
MODERATE INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT  
ACCESSORY MINERALS: LIMESTONE-05%, ANHYDRITE-01%  
OTHER FEATURES: SUCROSIC
- 1790 - 1800 DOLOSTONE; YELLOWISH GRAY TO GRAYISH BROWN  
15% POROSITY: INTERCRYSTALLINE; 90-100% ALTERED; SUBHEDRAL  
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM  
MODERATE INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT  
ACCESSORY MINERALS: LIMESTONE-02%  
OTHER FEATURES: SUCROSIC
- 1800 - 1830 CHERT; GRAYISH ORANGE TO YELLOWISH GRAY  
10% POROSITY: INTERGRANULAR, PIN POINT VUGS  
POOR INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX  
ACCESSORY MINERALS: DOLOMITE-10%, ANHYDRITE-01%  
SILT-SIZE DOLOMITE-03%  
OTHER FEATURES: DOLOMITIC, HIGH RECRYSTALLIZATION  
FOSSILS: FOSSIL FRAGMENTS
- 1830 - 1860 DOLOSTONE; GRAYISH BROWN TO LIGHT OLIVE GRAY  
15% POROSITY: INTERCRYSTALLINE; 90-100% ALTERED; EUHEDRAL  
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM

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MODERATE INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT  
ACCESSORY MINERALS: LIMESTONE-03%  
OTHER FEATURES: SUCROSIC

- 1860 - 1870 DOLOSTONE; GRAYISH BROWN TO LIGHT OLIVE GRAY  
15% POROSITY: INTERCRYSTALLINE; 90-100% ALTERED; EUHEDRAL  
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM  
MODERATE INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT  
ACCESSORY MINERALS: LIMESTONE-03%  
OTHER FEATURES: SUCROSIC
- 1870 - 1880 WACKESTONE; MODERATE YELLOWISH BROWN TO YELLOWISH GRAY  
15% POROSITY: INTERGRANULAR  
GRAIN TYPE: CALCILUTITE; 15% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM  
POOR INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX  
ACCESSORY MINERALS: DOLOMITE-15%  
OTHER FEATURES: HIGH RECRYSTALLIZATION, DOLOMITIC  
FOSSILS: FOSSIL FRAGMENTS
- 1880 - 1890 WACKESTONE; YELLOWISH GRAY  
10% POROSITY: INTERGRANULAR  
GRAIN TYPE: CALCILUTITE; 15% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM  
POOR INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX  
ACCESSORY MINERALS: DOLOMITE-05%, SILT-SIZE DOLOMITE-03%  
SPAR-01%, ANHYDRITE-02%  
OTHER FEATURES: HIGH RECRYSTALLIZATION, DOLOMITIC  
FOSSILS: FOSSIL FRAGMENTS, FOSSIL MOLDS
- 1890 - 1900 DOLOSTONE; MODERATE YELLOWISH BROWN  
15% POROSITY: INTERGRANULAR, INTERCRYSTALLINE  
90-100% ALTERED; EUHEDRAL  
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM  
MODERATE INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX
- 1900 - 1910 WACKESTONE; YELLOWISH GRAY TO MODERATE YELLOWISH BROWN  
15% POROSITY: INTERGRANULAR  
GRAIN TYPE: CALCILUTITE, BIOGENIC  
20% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: MEDIUM; RANGE: VERY FINE TO MEDIUM  
MODERATE INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX, DOLOMITE CEMENT



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ACCESSORY MINERALS: CLAY-01%, DOLOMITE-15%  
OTHER FEATURES: HIGH RECRYSTALLIZATION, DOLOMITIC

- 1910 - 1920 DOLOSTONE; DARK YELLOWISH BROWN TO GRAYISH ORANGE  
15% POROSITY: INTERCRYSTALLINE; 90-100% ALTERED; EUHEDRAL  
GRAIN SIZE: FINE; RANGE: VERY FINE TO FINE  
MODERATE INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT  
OTHER FEATURES: SUCROSIC
- 1920 - 1940 WACKESTONE; YELLOWISH GRAY TO MODERATE YELLOWISH BROWN  
10% POROSITY: INTERGRANULAR, PIN POINT VUGS  
GRAIN TYPE: CALCILUTITE; 15% ALLOCHEMICAL CONSTITUENTS  
MODERATE INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX  
ACCESSORY MINERALS: DOLOMITE-05%, SILT-SIZE DOLOMITE-03%  
FOSSILS: FOSSIL FRAGMENTS, FOSSIL MOLDS
- 1940 - 1950 CHERT; YELLOWISH GRAY TO LIGHT OLIVE GRAY  
05% POROSITY: LOW PERMEABILITY; MODERATE INDURATION  
CEMENT TYPE(S): SILICIC CEMENT, CALCILUTITE MATRIX  
ACCESSORY MINERALS: DOLOMITE-15%, LIMESTONE-10%  
SAMPLE IS A MIX OF CHERT, ORANGE-BROWN DOLOMITE RHOMBS, AND  
DOLOMITIC LIMESTONE.
- 1950 - 1960 DOLOSTONE; GRAYISH BROWN TO DARK YELLOWISH BROWN  
15% POROSITY: INTERCRYSTALLINE; 90-100% ALTERED; EUHEDRAL  
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE  
MODERATE INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT  
ACCESSORY MINERALS: LIMESTONE-03%, CHERT-01%  
OTHER FEATURES: SUCROSIC
- 1960 - 1980 DOLOSTONE; GRAYISH BROWN  
15% POROSITY: INTERCRYSTALLINE; 90-100% ALTERED; EUHEDRAL  
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE  
MODERATE INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT  
ACCESSORY MINERALS: CHERT-07%, LIMESTONE-01%  
OTHER FEATURES: SUCROSIC
- 1980 - 2000 DOLOSTONE; YELLOWISH GRAY TO GREENISH GRAY  
15% POROSITY: INTERCRYSTALLINE, PIN POINT VUGS  
90-100% ALTERED; SUBHEDRAL  
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE  
MODERATE INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT  
ACCESSORY MINERALS: CHERT-02%, LIMESTONE-01%

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ANHYDRITE-02%  
OTHER FEATURES: SUCROSIC

- 2000 - 2020 DOLOSTONE; YELLOWISH GRAY TO LIGHT OLIVE GRAY  
15% POROSITY: INTERCRYSTALLINE; 90-100% ALTERED; ANHEDRAL  
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE  
MODERATE INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT  
ACCESSORY MINERALS: ANHYDRITE-01%
- 2020 - 2030 CHERT; LIGHT OLIVE GRAY TO LIGHT BLUISH GRAY  
05% POROSITY: LOW PERMEABILITY; GOOD INDURATION  
CEMENT TYPE(S): SILICIC CEMENT, DOLOMITE CEMENT  
ACCESSORY MINERALS: DOLOMITE-20%  
SAMPLE IS MOSTLY CHERT WITH A HIGH ANHEDRAL DOLOMITE  
CONTENT.
- 2030 - 2040 DOLOSTONE; LIGHT OLIVE GRAY TO MODERATE BLUISH GRAY  
15% POROSITY: INTERCRYSTALLINE, PIN POINT VUGS  
90-100% ALTERED; SUBHEDRAL  
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM  
GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT  
ACCESSORY MINERALS: CHERT-03%  
OTHER FEATURES: SUCROSIC  
FOSSILS: FOSSIL FRAGMENTS, FOSSIL MOLDS  
BENTHIC FORAMINIFERA
- 2040 - 2050 DOLOSTONE; YELLOWISH GRAY TO LIGHT BLUISH GRAY  
15% POROSITY: INTERCRYSTALLINE, INTERGRANULAR  
90-100% ALTERED; ANHEDRAL  
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE  
GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT  
ACCESSORY MINERALS: CHERT-01%, LIMESTONE-01%
- 2050 - 2060 DOLOSTONE; YELLOWISH GRAY TO MODERATE BLUISH GRAY  
15% POROSITY: INTERCRYSTALLINE, INTERGRANULAR  
90-100% ALTERED; ANHEDRAL  
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE  
GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT  
ACCESSORY MINERALS: CHERT-02%, LIMESTONE-01%  
OTHER FEATURES: SUCROSIC
- 2060 - 2090 DOLOSTONE; LIGHT OLIVE GRAY TO MODERATE BLUISH GRAY  
10% POROSITY: INTERCRYSTALLINE, INTERGRANULAR  
PIN POINT VUGS; 90-100% ALTERED; SUBHEDRAL

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GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM  
GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT  
ACCESSORY MINERALS: LIMESTONE-01%  
OTHER FEATURES: SUCROSIC  
DOLOMITE RANGES FROM SUBHEDRAL TO EUHEDRAL.

- 2090 - 2110 DOLOSTONE; LIGHT OLIVE GRAY TO LIGHT BLuish GRAY  
10% POROSITY: INTERCRYSTALLINE, INTERGRANULAR  
PIN POINT VUGS; 90-100% ALTERED; ANHEDRAL  
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM  
GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT  
ACCESSORY MINERALS: LIMESTONE-03%  
FOSSILS: FOSSIL FRAGMENTS, BENTHIC FORAMINIFERA
- 2110 - 2120 DOLOSTONE; YELLOWISH GRAY TO LIGHT OLIVE GRAY  
10% POROSITY: INTERCRYSTALLINE; 90-100% ALTERED; EUHEDRAL  
GRAIN SIZE: FINE; RANGE: MICROCRYSTALLINE TO MEDIUM  
GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT  
ACCESSORY MINERALS: ANHYDRITE-01%  
OTHER FEATURES: SUCROSIC
- 2120 - 2160 DOLOSTONE; YELLOWISH GRAY TO LIGHT OLIVE GRAY  
10% POROSITY: INTERCRYSTALLINE, INTERGRANULAR  
90-100% ALTERED; EUHEDRAL  
GRAIN SIZE: FINE; RANGE: VERY FINE TO FINE  
GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT  
ACCESSORY MINERALS: CHERT-01%
- 2160 - 2170 DOLOSTONE; YELLOWISH GRAY TO LIGHT OLIVE GRAY  
10% POROSITY: INTERCRYSTALLINE, INTERGRANULAR  
PIN POINT VUGS; 90-100% ALTERED; EUHEDRAL  
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM  
GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT  
ACCESSORY MINERALS: ANHYDRITE-01%  
OTHER FEATURES: SUCROSIC
- 2170 - 2180 DOLOSTONE; LIGHT OLIVE GRAY  
10% POROSITY: INTERCRYSTALLINE; 90-100% ALTERED; EUHEDRAL  
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE  
GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT  
ACCESSORY MINERALS: ANHYDRITE-07%, LIMESTONE-01%

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- 2180 - 2190 DOLOSTONE; LIGHT OLIVE GRAY TO LIGHT BLUISH GRAY  
10% POROSITY: INTERCRYSTALLINE, PIN POINT VUGS  
90-100% ALTERED; SUBHEDRAL  
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE  
GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT  
ACCESSORY MINERALS: ANHYDRITE-01%  
OTHER FEATURES: SUCROSIC
- 2190 - 2200 DOLOSTONE; LIGHT OLIVE GRAY  
10% POROSITY: INTERCRYSTALLINE; 90-100% ALTERED; EUHEDRAL  
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE  
GOOD INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT  
ACCESSORY MINERALS: ANHYDRITE-05%, LIMESTONE-01%
- 2200 - 2210 DOLOSTONE; MODERATE DARK GRAY  
10% POROSITY: INTERCRYSTALLINE; 50-90% ALTERED; ANHEDRAL  
GRAIN SIZE: VERY FINE  
RANGE: MICROCRYSTALLINE TO VERY FINE; POOR INDURATION  
CEMENT TYPE(S): DOLOMITE CEMENT, CALCILUTITE MATRIX  
ACCESSORY MINERALS: CLAY-03%, ANHYDRITE-01%, SPAR-02%  
LIMESTONE-07%
- 2210 TOTAL DEPTH