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Worthington Mountains

PLATE 1

Meeker Peak Section

Sec. 29, 30 T.1S, R.57E

Brian W. Ackman
Colorado School of Mines

T-4012

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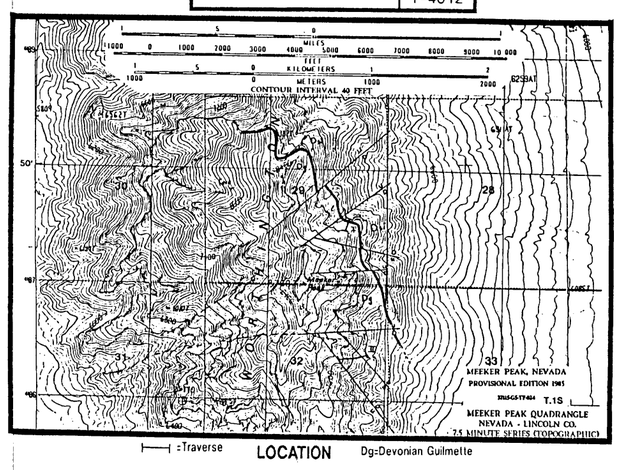

LEGEND

Scale: 1" = 40'

- Massive bedded limestone
- Massive bedded dolomite
- Thick bedded limestone
- Thick bedded dolomite
- Medium bedded limestone
- Medium bedded dolomite
- Thin bedded limestone
- Thin bedded dolomite
- Dolomitic limestone or limy dolomite
- Sandy limestone
- Sandy dolomite
- Breccia
- Sandstone
- Cross-bedded sandstone
- Rip-up clasts
- Mud cracks
- Covered interval
- Erosional or karst surface
- Paleoflow direction
- -S 25 (TS) Sample-Jake#-Thin section
- Mudstone
- Wackestone
- Packstone-grainstone

TOTAL COUNTS

0 GR CPS 75

SYSTEM: DEVONIAN
FORMATION: SIMONSON
MEMBER: GUILMETTE
INTERVAL: UPPER / MIDDLE / LOWER

LEDGE-FORMING / YELLOW SLOPE-FORMING

Fault

(FEET)

RESISTANCE TO WEATHERING

REPRESENTATIVE FAUNA: BRACHIOPOD, BRYOZOAN, CORAL, Echinoderm, GASTROPOD, STROMATOLITE, STROMATOPOROID

RELATIVE SEA-LEVEL CURVE: Subtidal, Intertidal, Supratidal; High, Low

CYCLE NUMBER

DESCRIPTION

1105-1110 (5 ft) Dol: mudstone, lt brn-md gry (w), drk gry (f), thn lamn., mass. bedded.
1101-1105 (1 ft) Dol: packstone, lt brn-wht (w), drk gry-wht (f), Amphipora.
1103-1104 (1 ft) Dol: mudstone, lt brn-drk gry (w), drk gry (f), thn lamn.
1102-1103 (1 ft) Ls: mudstone, lt gry (w), md gry (f), no internal structures.
1100-1102 (2 ft) Ls: packstone, lt gry-wh (w), drk gry-wht (f), Amphipora.
1097-1100 (3 ft) Ls: mudstone, as below.
1092-1097 (5 ft) Ls: mudstone, lt gry (w), md-drk gry (f), mass. bedded.
1085-1092 (7 ft) Ls: mudstone, lt tan-lt gry (w), md gry (f), mass. bedded.
1075-1085 (10 ft) Ls: floatstone/storm deposit, md gry (w), drk gry (f), fg. dol clasts, lt brn (w), md gry (f), thn lamn., mudstone. Quartzose dol. clasts; as below; thn lamn., limy/dol cement.
1074.5-1075 (.5 ft) Sandy ls: quartzose ls, lt gy (w), lt gy (f), 2-3% well rounded, well sorted, Ls. clasts 2mm in diameter, lt/fg.
1073.5-1074.5 (1 ft) Sandy ls: quartzose ls, lt gry (w), md gry (f), fg-cg: ls, 2-3% quartz grains, well rounded, sorted, ls. dissolution.
1073-1073.5 (.5 ft) Sandy dol: quartzose dol, lt brn-lt gry (w), md gry (f), fg: dol, 2-3% quartz grains suspended in dol.
1071.5-1073 (1.5 ft) Ls: mudstone, md-drk gry (w), drk gry (f), bioturbated.
1071-1071.5 (.5 ft) Dol: packstone, lt brn (w), drk gry (f), Amphipora.
1070-1071 (1 ft) Ls: mudstone, md gry (w), drk gry (f), bioturbated, stromatoporoid heads.
1065-1070 (5 ft) Ls: mudstone, md gry (w), md-drk gry (f), mass. bedded.
1063-1065 (2 ft) Ls: mudstone, lt gry-lt tan (w), drk gry (f), mass. bedded, bioturbated.
1061-1063 (2 ft) Dol: mudstone, lt brn-md tan (w), drk gry (f), thn lamn., thk bedded.
1060-1061 (1 ft) Ls: wackestone, lt gry (w), drk gry (f), mass. bedded, stromatoporoids heads (tumbled).
1059.5-1060 (.5) Dol: packstone, lt brn-md gry (w), v.drk gry (f), Amphipora.
1052.5-1059.5 (7 ft) Dol: mudstone, md gry (w), drk gry (f), thn lamn, thk bedded.
1052-1052.5 (.5 ft) Ss: quartzarenite, tan-md/lt gry-red (w), lt-md gry (f), .5-1.5% well rounded, well sorted, silica cement, thermal mineralization.
1051-1052 (1 ft) Sandy dol: wackestone, md gry-lt brn (w), drk gry (f), quartz grains .5-2.5% decrease in sand content upward, Amphipora.
1050-1051 (1 ft) Ss: quartzarenite, tan-lt gry-pink (w), lt gry (f), .5-2.5% well rounded, sorted, thn lamn., normal graded within 1/2" lamn., totally silicified.
1040-1050 (10 ft) Sandy dol: quartzose dol, as below, thn lamn., mass. bedded.
1033-1040 (7 ft) Sandy dol: quartzose dol, as below, no lamn., mass. bedded, no sedimentary structures.
1025-1033 (8 ft) Sandy dol: quartzose dol, lt tan-lt gry (w), lt gry (f), 1-2% limy/dol cement, well rounded, well sorted, thn lamn., mass. bedded.
1021-1025 (4 ft) Dol: wackestone-packstone, lt-md gry (w), md gry (f), mass. bedded, brachiopods, stick corals. At 1024: 3" thk thn lamn., 1-2% quartz grains, dol cement, above this interval is dol with increasing sand content upward.
998-1021 (23 ft) Sandy dol, quartzose dol, lt tan-lt gry (w), lt gry (f), 1-2% limy/dol cement, well rounded, well sorted, mass. bedded, no sedimentary structures, increase in dol content upward.
995-998 (3 ft) Dol: mudstone, lt gry (w), lt-md gry (f), mass. bedded, no lamn., increase in sand content upward: 2% in size.
988-995 (7 ft) Sandy dol: quartzose dol, as below, mass. bedded.
980-988 (8 ft) Sandy dol: quartzose dol, lt tan-lt gry (w), lt gry (f), 1.5-2% limy/dol cement, well rounded, well sorted, basal 2' bed: v.thn lamn, at base, above mass. bedded, no sedimentary structures.
978-980 (2 ft) Sandy dol, quartzose dol, lt tan-lt gry (w), lt gry (f), 1-2% limy/dol cement, well rounded, well sorted, mass. bedded, no sedimentary structures.
977-978 (1 ft) Dol: sandy mudstone, lt gry-lt pink (w), lt gry (f), fg-mg dol, 1.5-2% quartz grains, no sedimentary structures.
974-977 (3 ft) Sandy dol: quartzose dol, as below, no lamn.
970-974 (4 ft) Sandy dol: quartzose dol, lt tan-lt gry (w), lt gry (f), 1-2% limy/dol cement, well rounded, well sorted, mass. bedded, thn parallel lamn. at upper 4" of bed.
967.5-970 (2.5 ft) Sandy dol: quartzose dol, lt tan-lt gry (w), lt gry (f), 1-2% limy/dol cement, well rounded, well sorted, thn parallel lamn., burrows penetrating lamn.
960-967.5 (7.5 ft) Sandy dol, quartzose dol, lt tan-md brn (w), v.lt gry (f), 1-2% well rounded, well sorted, dol cement.
940-960 (20 ft) Sandy dol: quartzose dol, lt tan-lt gry (w), lt gry (w), 0-1.5% well rounded, poorly sorted, limy/dol cement, vuggy porosity: dissolution of calcite grains; not obviously interconnected, hematite mineralization, dol. clasts containing fg quartz.
935-940 (5 ft) Sandy dol: quartzose dol, tan-lt gry (w), lt gry (w), 1-1.5% well rounded, well sorted, mass. bedded. Dol clasts; contain branching corals (packstone).
920-935 (15 ft); Sandy dol: quartzose dol, as below, abdn. dol clasts; lt gry (w), clasts contain 2-3% quartz grains, echinoderms, clasts decrease in size upward.
915-920 (5 ft) Sandy dol: quartzose dol, as below, clasts of dol; avg. 4" in dia., not abdn., poss. incorporated rip-up clasts.
908-915 (7 ft) Sandy dol: quartzose dol, tan-lt gry (w), lt gry (f), .5-1.5% limy/dol cement, well rounded, poorly sorted, mass. bedded, no sedimentary structures.
907-908 (1 ft) Sandy dol/Dol: quartzose dol/wackestone, lt gry (w), lt-md gry (f), fg.dol, 1-1.5% quartz, well rounded, sorted. Inter-bedded Sandy dol and Dol.: Ss/Dol/Ss/Dol, all approx. 3" thk, gradational transition from Ss to Dol. Dol contains echinoderms.
902-907 (5 ft) Sandy dol: quartzose dol, tan-lt gry (w), lt gry (f), 1-1.5% dol. cement, well rounded, sorted, mass. bedded, basal erosional contact, no sedimentary structures.
901-902 (1 ft) Dol: mudstone, md gry (w), md gry (f), thn lamn.
887-901 (14 ft) Sandy dol: quartzose dol, tan-lt gry (w), v.lt gry (f), .5-1.5% limy/dol cement, well rounded, sorted, mass. bedded, no sedimentary structures.
886-887 (1 ft) Dol: wackestone, lt gry-pale red (w), md gry (f), thn lamn., corals.
880-886 (6 ft) Sandy dol: quartzose dol, tan-lt gry (w), v.lt gry (f), .5-1.5% limy/dol cement, well rounded, sorted, mass. bedded, no sedimentary structures.
875.5-880 (4.5 ft) Dol: wackestone, md gry w/red tint (w), lt-md gry - pale red (f), mass. bedded, echinoderms and branching corals. Quartz grains present throughout the 4.5 ft, at 879 a 1" stringer of 1-2% quartz grains, with an increase in sand content up to 880.
875-875.5 (.5 ft) Sandy dol: quartzose dol, lt gry (w), lt gry (f), .5-1.5% quartz grains, well rounded, well sorted, limy/dol cement, shallow trough cross beds; 2" in depth, 1.5' in width, paleoflow direction of 210°.
872.16-875 (2'10") Sandy dol: quartzose dol, lt tan-md gry (w), lt gry (f), 1-1.5% quartz grains, well rounded, lt sorted, dol cement, mass. bedded, no sedimentary structures.
867.16-872.16 (5 ft) Sandy dol: quartzose dol, lt tan-md gry (w); lt gry (f), 1-1.5% quartz grains, well rounded, well sorted, dol cement, mass. bedded, sharp basal contact, intermittent 1/2" thk lamn.
859.67-867.16 (7'5") Dol: wackestone, red-red/gry (w), pale red (f), thk bedded, echinoderms, stick corals, sand content increases upward.
859.5-859.67 (2") Sandy dol: quartzose dol, lt gry (w), wht-lt gry (f), 1-2% quartz grains, well rounded, well sorted, dol cement, no sedimentary structures.
857-859.5 (2.5 ft) Sandy dol: quartzose dol, lt gry (w), lt-md gry (f), fg: dol, 1-2% quartz grains, decrease in sand content upward to 859.5 above which is dol.; contains corals.
856.6-857 (4") Sandy dol: quartzose, tan-lt gry (w), lt gry (f), fg: dol, 1-2% quartz grains, quartz floating within dol. matrix, quartz grains well rounded, well sorted.
852-856.6 (4'8") Dol: wackestone, lt brn (w), md-drk gry (f), thk bedded, brachiopods; content decreases upward.
847-852 (5 ft) Dol: packstone, lt brn-lt red (w), drk gry (f), thn-md bedded, abdn. corals: stick and hemispherical, echinoderms.
842-847 (5 ft) Dol: mudstone-wackestone, md gry (w), drk gry (f), thn lamn., mass. bedded, corals and echinoderms up to 845.
841-842 (1 ft) Dol: packstone, md gry (w), drk gry (f), v.thn bedded, Amphipora, echinoderms, brachiopods, corals.
832-841 (9 ft) Dol: mudstone, md gry (w), drk gry (f), thn lamn., mass. bedded.
824-832 (8 ft) Dol: mudstone, md gry (w), drk gry (f), thn bedded.
823-824 (1 ft) Dol: packstone, lt gry (w), md-drk gry (f), bioturbated, brachiopods.
812-823 (11 ft) Dol: mudstone, v.lt gry (w), md gry (f), thn bedded.
810.5-812 (1.5 ft) Dol: wackestone-packstone, lt brn-mr gry (w), drk gry (f), thn bedded, bioturbated, Amphipora and brachiopods.
807-810.5 (3.5 ft) Dol: mudstone, lt gry (w), lt gry (f), mass. bedded.
804-807 (3 ft) Dol: mudstone, lt gry (w), lt gry (f), mass. bedded.
802-804 (2 ft) Dol: mudstone, lt gry (w), lt gry (f), thn bedded, bioturbated.
792-802 (10 ft) Dol: mudstone, lt tan (w), lt gry (f), mass. bedded, recrystallized, few brachiopods.
787-792 (5 ft) Dol: mudstone, lt tan (w), lt gry (f), thn bedded. At 790: a 6" Amphipora bed, packstone.
763.5-787 (23 ft) Dol: wackestone, md-drk gry (w), drk gry (f), thn bedded, corals, brachiopods.
771.5-783.5 (12 ft) Dol: wackestone, md-drk gry (w), drk gry (f), thn-md bedded, bioturbated, brachiopod fragments.
728.5-771.5 (43 ft) Dol: mudstone, lt brn-red (w), md gry (f), thn-md bedded, bioturbated, brachiopod fragments, recrystallized.
726.5-728.5 (2 ft) Dol: packstone, lt gry (w), lt-md gry (f), thk bedded, bioturbated, corals.
721.5-726.5 (5 ft) Dol: mudstone, lt gry (w), md gry (f), mass. bedded.
718.5-721.5 (3 ft) Dol: mudstone, md gry (w), md gry (f), mass. bedded.
716.5-718.5 (2 ft) Dol: packstone, lt gry (w), lt gry (f), mass. bedded, abdn. Amphipora.
709-716.5 (7.5 ft) Dol: packstone, lt gry (w), lt gry (f), thk bedded, abdn. corals (as below), becoming finer grained upward.
702-709 (7 ft) Dol: packstone, lt gry (w), lt gry (f), thk mass. bedded, abdn. corals: stick, branching, hemispherical.
697-702 (5 ft) Dol: mudstone, lt gry (w), lt gry (f), mass. bedded, bioturbated, patches of Amphipora.
677-697 (20 ft) Dol: wackestone, md gry (w), drk gry (f), mass. bedded, v/few fossils: silicified stromatoporoid heads, stick corals, brachiopods. At 687.5: 1 ft thk bed of Amphipora.
667-677 (10 ft) Dol: mudstone, md gry (w), drk gry (f), Basal 2": silicified stromatoporoid heads, wackestone. Upper (9'8"): recrystallized mudstone.
662-667 (5 ft) Dol: mudstone, l-md gry (w), drk gry (f), mass. bedded, bioturbated.
657-662 (5 ft) Dol: packstone, md gry (w), drk gry (f), mass. bedded, recrystallized, bioturbated, abdn. stick corals.
647-657 (10 ft) Dol: wackestone, tan-lt brn-red (w), md gry (f), mass. bedded, burrowing on bedding planes, brachiopods, hard-ground at 650.
642.33-647 (4'8") Ls: mudstone, lt-md gry (w), drk gry (f), mass. bedded, bioturbated, burrow traces, silicified fossil fragments. At 646 a 1'x 2' Amphipora accumulation.
642-642.33 (4") Dol: wackestone, md gry (w), drk gry (f), nodular bedded, bioturbated, echinoderm fragments.
638-642 (4 ft) Dol: mudstone, md gry (w), drk gry (f), md bedded, bioturbated, corals upon bedding surfaces.
627.5-638 (10.5 ft) Dol: wackestone, lt gry (w), md-drk gry (f), mass. bedded, bioturbation, burrows, corals.
626-627.5 (1.5 ft) Dol: mudstone, md brn (w), drk gry (f), bioturbated (mottled appearance).
623.5-626 (2.5 ft) Dol: wackestone-packstone, lt gry (w), md gry (f), thk bedded, silicified stromatoporoid heads, corals, and burrows.
622-623.5 (1.5 ft) Dol: mudstone, md gry (w), md-drk gry (f), sedimentary breccia with vugs.
606-622 (16 ft) Dol: wackestone, lt gry (w), md gry (f), mass. bedded, bioturbated, silicified stromatoporoid heads, corals. At 610 a 8" sedimentary breccia (storm deposit) with a 2" basal shell hash.
603-606 (3 ft) Dol: wackestone, md gry (w), md-drk gry (f), md bedded, corals.
599.5-603 (3.5 ft) Dol: mudstone, red-brn-md gry (w), drk gry (f), mass. bedded, bioturbated, 602-603; sedimentary breccia.
587.5-599.5 (12 ft) Dol: mudstone, lt brn (w), lt-md gry (f), mass. bedded, recrystallized.
586-587.5 (1.5 ft) Dol: mudstone, brn-red (w), md gry (f), recrystallized corals.
577-586 (9 ft) Dol: mudstone, lt brn (w), md gry (f), thn bedded.
548-577 (29 ft) Ls. and dol. clasts, noticeable fining-upward trend at this point to 577. Top of breccia (577) clasts are of md-fg grained sand in size. Overall feeling is that the whole deposit (445-577) is normally graded.
492-548 (56 ft) Ls. and dol. clasts ranging in size from 3" to 4' in diameter within a drk gry-lt-md brn (w), fg. dol. matrix. At 540, Ls. clast 5'x 6': mudstone, lt gry (w), drk gry (f), fg. thn bedded.
456-492 (36 ft) inter-bedded ls. and dol. beds, beds are laterally discontinuous, with erosional surfaces and breccia material between the (bedded) clasts. 460-464 erosional surface upon a bedded ls. clast with positive relief, above an inter-bedded ls. and dol. sequence deformed over the positive relief, suggesting that the beds were soft enough to allow deformation without fracturing. Dol. bedded clasts range from fg. thn lamn., mudstones to fg. mass. bedded, mudstones. Ls. bedded clasts range from fg. thn bedded to mass. bedded, bioturbated, mudstones, to mg-cg. thk-mass bedded, bioturbated, stromatoporoid heads, corals, Amphipora, brachiopod, wackestone-packstones.
445-456 (Basal 11 ft), dol. matrix, clasts range in size from 6"x 1"to gravel; composed of ls. and dol., abdn. silicified and non-silicified stromatoporoid heads and stick corals.
445-577 (132 ft) Ls and Dol: Breccia, fg-mg dol matrix, drk gry/lt-md brn (w), drk gry (b). Clasts are of ls. and dol., erosional basal contact with rip-up clasts of the underlying dol (6'x 1').
441-445 (4 ft) Dol: mudstone, lt brn-drk gry (w), brn-drk gry (f), thn lamn., mass. bedded.
427.5-441 (13.5 ft) Dol: mudstone, pale wht (w), lt gry-wht (f), thn lamn., md-thk bedded.
426.5-427.5 (1 ft) Ls: packstone, md gry (w), drk gry (f), bioturbated, brachiopods, stick corals, silicified stromatoporoid heads.
424-426.5 (2.5 ft) Ls: wackestone: lt gry (w), md gry (f), thk bedded, bioturbated, brachiopods.
410-424 (14 ft) Ls: mudstone-wackestone, lt gry (w), md gry (f), thk bedded (nodular; 1'-5' thk), bioturbated, brachiopods and stromatoporoid heads within a 2 ft thk bed at 415 and 4 ft thk bed at 420.
405-410 (5 ft) Ls: mudstone, lt tan-ylw-md gry (w), md gry (f), thn bedded, nodular.
403.5-405 (1.5 ft) Ls: wackestone, lt-md gry (w), drk gry (f), mass. bedded, recrystallized, brachiopods.
400-403.5 (3.5 ft) Covered interval: recessive slope.
396-400 (4 ft) Ls: packstone, lt brn-drk gry (w), drk gry (f), mass. bedded, silicified and non-silicified: stromatoporoid heads, stick corals, brachiopods.
393.5-396 (2.5 ft) Ls: wackestone, lt gry (w), md gry (f), mass. bedded, bioturbated, brachiopods, stick corals.
392.5-393.5 (1 ft) Ls: mudstone, md gry (w), md gry (f), thn lamn.
388.5-392.5 (4 ft) Dol: mudstone, lt brn (w), drk gry (f), thn bedded.
386-388.5 (2.5 ft) Ls: packstone, lt brn-lt gry (w), md-drk gry (f), mass. bedded, silicified and non-silicified stromatoporoid heads, Amphipora, corals, Lucifans; lt gry (w), matrix: lt brn (w).
381-386 (5 ft) Ls: mudstone, lt gry (w), md-drk gry (f), thn bedded, nodular, bioturbated.
379.5-381 (1.5 ft) Ls: mudstone, md gry (w), drk gry (f), thn lamn.; lamn. thkn upward.
377-379.5 (2.5 ft) Sandy ls: quartzose ls, lt tan (w), lt tan (f), fg (ls), v/fg (quartz grains), thn lamn.
371.6-377 (5' 2") Ls: mudstone-packstone, lt gry (w), md gry (f), bioturbated, abdn. brachiopods in basal 6" packstone.
371-371.6 (8") Dol: mudstone, lt gry (w), md gry (f), thn lamn.
369-371 (2 ft) Ls: mudstone, lt gry (w), md gry (f), mass. bedded.
365-369 (4 ft) Ls: mudstone, lt gry (w), lt-md gry (f), thn lamn., mass. bedded.
363.5-365 (1.5 ft) Ls: wackestone, md olive gry-lt gry (w), drk gry (f), thn bedded, nodular, bioturbated, brachiopods.
360.5-363.5 (3 ft) Ls: mudstone, lt-md gry (w), md gry (f), mass. bedded.
360-360.5 (.5 ft) Ls: mudstone, lt gry (w), drk gry (f), thn bedded, nodular.
355-360 (5 ft) Ls: packstone, lt gry (w), md gry (f), mass. bedded, Amphipora.
352.5-355 (2.5 ft) Ls: wackestone-packstone, lt-md gry (w), drk gry (f), mass. bedded, stromatoporoid heads (1'-5' in diameter).
345.5-352.5 (7 ft) Ls: mudstone, lt gry (w), md gry (f), mass. bedded.
345-345.5 (.5 ft) Ls: mudstone, tan (w), md gry (f), thn bedded.
342-345 (3 ft) Ls: mudstone, lt tan-lt gry (w), md gry (f), mass. bedded.
340-342 (2 ft) Sandy ls./ls; Basal 1': quartzose, lt gry (w), lt gry (f), fg.(ls.), v/fg (quartz), thn lamn., thn bedded. Upper 1': mudstone, lt tan-drk gry (w), drk gry (f), thn bedded (nodular), sand content decreases upward.
327.5-340 (12.5 ft) Ls: mudstone, lt gry (w), md gry (f), mass. bedded. From 337-339 (2 ft) Amphipora; wackestone-packstone.
325.5-327.5 (2 ft) Ls: mudstone, lt tan-drk gry (w), drk gry (f), thn bedded, nodular, bioturbated.
324-325.5 (1.5 ft) Ls: mudstone, Basal .5': drk gry (w), lt blk-drk gry (f), thn lamn. Upper 1': md-drk gry (w), drk gry (f), bioturbated.
314-324 (10 ft) Dol: mudstone, v. lt gry-wht (w), lt gry (f), thn lamn., mass. bedded.
312.5-314 (1.5 ft) Basal .5' unit: Ls: mudstone, lt-md gry (w), md gry (f). Upper 1'unit: Dol: mudstone, md gry (w), md gry (f), basal erosional contact with ls. rip-up clasts within basal 4" of dol. bed.
310-312.5 (2.5 ft) Limy dol: mudstone, lt brn (w), drk gry (f), thk lamn.: lamn. thn upward, rip-up clasts of lt- md gry (w), drk gry (f), decrease in clast content upward to no clasts within the top 5".
297.5-310 (12.5 ft) Ls: packstone, drk gry (w), drk gry (f), mass. bedded, abdn. Amphipora.
291-297.5 (6.5 ft) Ls: mudstone, tan-md gry (w), drk gry (f), mass. bedded.
290-291 (1 ft) Dol: mudstone, md gry (w), md gry (f), thn lamn., erosional basal contact, ls. rip-up clasts.
287.5-290 (2.5 ft) Ls: mudstone, Basal 4": lt tan-drk gry (w), drk gry (f). thn lamn., bioturbated. Upper unit: lt gry (w), md gry (f), thn bedded, bioturbated.
282-287.5 (5.5 ft) Ls: mudstone, lt gry (w), md gry (f), mass. bedded, bioturbated.
280-282 (2 ft) Ls: mudstone, tan-lt gry (w), drk gry (f), thn bedded, nodular.
273.3-280 (6'8") Dol: mudstone, drk brn-lt gry (w), md gry (f), thn lamn., thk bedded.
273-273.3 (4") Ls: mudstone, drk brn (w), drk gry (f), thn lamn. Along strike to the west: ls. thkn into a depression to 2 ft. in thickness (pond), lt gry.(w), drk gry (f), bioturbated.
266-273 (7 ft) Basal 2': Ls: mudstone, drk brn-drk gry (w), drk gry (f), thn lamn. Upper 6'8": Dol: mudstone, md-drk brn (w), drk gry (f), thn lamn. (lenticular).
260-266 (6 ft) Ls: mudstone, lt brn-md gry (w),drk gry (f), thn bedded, nodular, thn lamn., at base of beds, bioturbation above lamn.
257-260 (3 ft) Ls: mudstone, lt gry (w), drk gry (f), md-thk bedded, beds thn upward (2 ft at base; 1 ft at top).
254-257 (3 ft) Ls: mudstone, lt-md gry (w), md-drk gry (f), thn bedded, beds thn upward.
250-254 (4 ft) Ls: mudstone, lt tan-md gry (w), drk gry (f), thn bedded, nodular, beds thkn upward.
247.5-250 (2.5 ft) Dol: mudstone, md gry (w), drk gry (f), erosional contact at base (approx. 2" thick), with ls. clasts 1/2"in dia., thn lamn., thk bedded, increase in ls. content upward.
245-247.5 (2.5 ft) Dol: mudstone, md gry (w), drk gry (f), thn lamn., thn bedded, beds thkn upward.
242-245 (3 ft) Ls: mudstone, lt tan-lt gry (w), md gry (f), thk bedded.
237-242 (5 ft) Ls: wackestone-packstone, lt tan-lt gry (w), md gry (f), md-thk bedded, abdn. silicified stick corals at base, stromatoporoids above, decrease in fossil content upward.
235-237 (2 ft) (4") Ls: packstone, md gry (w), drk gry (f), silicified corals and stromatoporoid heads. (1'8") Ls. wackestone, lt tan-lt gry (w), md gry (f), mass. bedded, bioturbated, silicified stromatoporoid heads.
231-235 (4 ft) Dol: mudstone, Upper (3'); lt-md gry (w), drk gry (f), thn bedded, nodular. Basal (3'9"); lt gry (w), md-drk gry (f), thn lamn., thk bedded.
230-231 (1 ft) Ls/Dol: packstone, md-drk gry (w), drk gry (f), fg dol matrix, fg-mg ls. clasts (max. size: 2"in dia.).
226.5-230 (3.5 ft) Ls: mudstone, md gry (w), drk gry (f), md bedded.
226-226.5 (.5 ft) Dol: mudstone, lt tan (w), md gry (f), thn lamn.
225-226 (1 ft) Ls: mudstone, lt gry (w), md gry (f), mass. bedded, bioturbated.
222.5-225 (2.5 ft) Dol: mudstone, lt gry (w), drk gry (f), thn lamn., thn bedded.
219.5-222.5 (3 ft) Ls: mudstone, md-drk gry (w), drk gry (f), md bedded, bioturbation on bedding planes.
215-219.5 (4.5 ft) Dol: mudstone, lt-md gry (w), md-drk gry (f), thn lamn., mass. bedded.
213-215 (2 ft) Ls: mudstone, md gry (w), md gry (f), thk bedded, bioturbated, clasts of ls. within (.5mm-1mm in dia.).
209-213 (4 ft) Dol: mudstone, lt tan (w), wht-md gry (f), thn lamn., md bedded.
207.5-209 (1.5 ft) Ls: wackestone, md-drk gry (w), drk gry (f), thn lamn., (increase in freq. upward), stromatoporoid heads.
206.5-207.5 (1 ft) Ls: packstone, md-drk gry (w), drk gry (f), stromatoporoid heads, stick corals.
199-206.5 (7.5 ft) Ls: mudstone, lt gry (w), drk gry (f), thn bedded, nodular, beds thkn. upward, bioturbated.
196-199 (3 ft) Ls: mudstone, md gry (w), md gry (f), mass. bedded, bioturbated, mottled top 4".
195-196 (1 ft) Ls: mudstone, lt tan-drk gry (w), drk gry (f), thn bedded, nodular.
190.5-195 (4.5 ft) Ls: mudstone, md gry (w), drk gry (f), thn bedded, bioturbated at 195; burrows preserved.
189-190.5 (1.5 ft) Ls: mudstone, lt gry (w), md gry (f), bioturbated.
188-189 (1 ft) Ls: packstone, lt gry (w), drk gry (f), bioturbated, stromatoporoid heads and stromatoporoid fragments.
187.5-188 (.5 ft) Ls: mudstone, lt tan-drk gry (w), drk gry (f), thn bedded, nodular, bioturbated.
185-187.5 (2.5 ft) Ls: wackestone, lt gry (w), drk gry (f), thk bedded, bioturbated, brachiopods, stromatoporoid heads.
182.5-185 (2.5 ft) Ls: mudstone, tan (w), drk gry (f), thn bedded, nodular, bioturbated.
178-182.5 (4.5 ft) Ls: mudstone-wackestone, lt gry (w), drk gry (f), mass. bedded, bioturbated, brachiopods at base, stromatoporoid heads and corals at 181'; 6" thk.
176.5-178 (1.5 ft) Ls: mudstone, tan-lt gry (w), drk gry (f), thn bedded, nodular.
175-176.5 (1.5 ft) Ls: wackestone, lt-md gry (w), v. drk gry (f), mass. bedded, Amphipora: basal 1 ft., brachiopods: upper 6".
174.5-175 (.5 ft) Ls: wackestone, drk gry (w), drk gry (f), thn lamn., stromatilites.
170-174.5 (4.5 ft) Ls: wackestone, lt gry (w), drk gry (f), mass. bedded, bioturbated, stromatoporoid heads, stick corals.
165-170 (5 ft) Ls: mudstone-wackestone, lt gry (w), drk gry (f), mass. bedded, bioturbated, stromatoporoid heads, brachiopods.
160-165 (5 ft) Ls: mudstone, lt gry (w), drk gry (f), thn lamn., md bedded.
155-160 (5 ft) Dol: mudstone, lt brn (w), md gry (f), thn lamn., thn bedded, mudcracks.
154-156 (2 ft) Ls: mudstone, lt brn-drk gry (w), drk gry (f), thk lamn., scour between lamn., clasts of drk gry(& f) ls., beds thn upward.
152-154 (2 ft) Ls: mudstone, drk gry (w), drk gry (f), erosional basal contact, burrows.
147.5-152 (4.5 ft) Dol: mudstone, lt brn (w), drk gry (f), thn lamn.
125-147.5 (22.5 ft) Dol: mudstone, lt gry-lt ylw (w), lt gry (f), thn lamn., thn-md bedded, lamn. fine upward, scour surfaces with rip-up clasts.
121-125 (4 ft) Ls: mudstone, lt gry-lt brn (w), md gry (f), thn lamn., thn bedded.
110-121 (11 ft) Dol: mudstone, tan-drk ylw (w), lt gry (f), thn lamn., md bedded.
107.5-110 (2.5 ft) Ls: wackestone, drk gry (w), drk gry (f), 6" basal unit: thn lamn. Upper unit: stromatoporoids, top 1 ft. is a stromatilitic zone.
100-107.5 (7.5 ft) Limy/Dol: mudstone, lt-md gry (w), lt-md gry (f), thn lamn., thn bedded, mudcracks.
98-100 (2 ft) Ls: packstone, lt-drk gry (w), drk gry (f), 3" basal unit: thn lamn., with ls clasts. Upper unit; mass. bedded, bioturbated, pellets.
85-98 (13 ft) Dol: mudstone, tan-lt ylw (w), md-drk gry (f), thn lamn., thn bedded, wavy lamn., normal grading within lamn.
79-85 (6 ft) Dol: mudstone, pale wht (w), v.lt gry (f), mass. bedded.
75-79 (4 ft) Limy/Dol: mudstone, lt tan (w), lt gry (f), thn lamn., thn bedded, alternating lamn. of ls./dol.: ls is stromatilitic growth.
74-75 (1 ft) Dol: mudstone, lt tan (w), lt tan (f), thn lamn., erosional basal contact with ls clasts 1" in dia.
73-74 (1 ft) Ls: mudstone, md gry (w), drk gry (f), bioturbated.
47-73 (26 ft) Dol: mudstone, tan-lt ylw (w), lt gry (f), thn lamn., thn-md bedded, sharp erosional basal contact, normal grading within numerous lamn., mud-cracks, burrowing.
45-47 (2 ft) Ls: mudstone, lt gry (w), drk gry (f), md lamn., mass. bedded.
40-45 (5 ft) Ls: mudstone, lt gry (w), lt-md gry (f), thn lamn., thn bedded.
36-40 (4 ft) Ls: mudstone, md-drk gry (w), drk gry (f), thn lamn., thn bedded.
35-36 (1 ft) Ls: wackestone, md gry (w), drk gry (f), digitate stromatilites: thn lamn., mudstone between digitate.
32-35 (3 ft) Ls: wackestone, drk gry (w), drk gry (f), thn wavy lamn., stromatilites.
31.5-32 (.5 ft) Ls: mudstone, md-drk gry (w), drk gry (f), thn lamn.
27.5-31.5 (4 ft) Ls: wackestone, lt-md gry (w), drk gry (f), digitate stromatilites, stromatoporoid fragments in matrix.
25-27.5 (1.5 ft) Ls: mudstone, md-drk gry (w), drk gry (f), thn lamn.
21-25 (4 ft) Ls: packstone, drk gry (w), drk gry (f), mass. bedded, digitate stromatilites, silicified stromatoporoids.
19.5-21 (1.5 ft) Ls: mudstone, lt-md gry (w), drk gry (f), thn lamn.; with erosional contact at base with rip-up clasts of ls; as described below.
15.5-19.5 (4 ft) Ls: mudstone-packstone, drk gry (w), drk gry (f), basal 5" thn lamn.; above thn lamn.: digitate stromatilites.
13- 15.5 (.5 ft) Ls: mudstone, lt-drk gry (w), drk gry (f), thn bedded.
11-15 (4 ft) Ls: mudstone-packstone, drk gry (w), drk gry (f), basal 4" thn lamn., with erosional contact into the dolomitic ls below; above thn lamn: digitate stromatilites.
0-11 (11 ft) Dolomitic ls: mudstone, lt gry (w), drk gry (f), thn lamn., md bedded; increase in dolomite upward.
-0 (bed below start of section) Ls: mudstone, md-lt gry (w), md gry (f), md bedded, bioturbated.