



GEORGIAN
BAY
Fm

- f-up sequence thinly interbedded greenish grey bioturbated silty mudstone and thin siltstone beds up to 5 cm with sharp bases and gradational tops.
 - slightly c-up seq thinly interbedded greenish grey bioturbated silty mudstone and grey to rust coloured vf-f calcarenite and bioclastic conglomerate up to 20 cm, sharp bases, well sorted, ss:slts=1.8 at base, 1:1 at top.
 - thickly interbedded greenish grey bioturbated silty mudstone and fine-calcarenite to bioclastic conglomerate up to 30 cm thick, sharp bases with burrows and solemarks, rip-ups, well sorted, several have HCS.
 - blue grey bioturbated mudstone, very uniform.
 - greenish grey bioturbated silty mudstone with a few 5 cm siltstone beds near base and a few scattered very thin siltstone beds throughout, slts:mud=1:20, near top is 10 cm bioclastic conglomerate 10 cm thick with erosional base, molded bed form top, with abundant fossil fragments of crinoids/gastropods/brachiopods/pelecypods/nautiloids.
 - c-up sequence thinly interbedded greenish grey bioturbated silty mudstone and thin very fine-to fine-calcarenite and bioclastic calcarenite up to 10 cm, sharp bases, well sorted, mostly crinoid fragments, forms small waterfall.
 - c-up sequence thinly interbedded greenish grey bioturbated silty mudstone and thin very fine-to fine-calcarenite and bioclastic calcarenite, up to 8 cm thick, sharp bases with lags of fossil fragments up to pebble size, well sorted, horizontal lamination, rxl, ss:slts=1.8 at base, 1:3 at top, fossils include brachs/trilobites/crinoids/bryozoans/pelecypods/nautiloids.
 - greenish grey bioturbated mudstone with few thin discontinuous slts to very fine-grained ss beds up to 10 cm thick, sharp bases, ss:slts=1:10, includes large culvert under Hwy 26 in upper part, poorly exposed.
 - greenish grey bioturbated mudstone with numerous thin discontinuous gutter cast fills, and few 5-10 cm siltstone beds toward top, abundant large *Arthropycus* burrows on sharp bases, slts:mud=1:10.
 - greenish grey bioturbated mudstone, few thin siltstone-to very fine-calcarenite beds up to 10 cm thick with sharp bases, includes old RR culvert, slts:mud=1:8.
 - c-up sequence thinly interbedded greenish grey bioturbated silty mudstone and thin grey siltstone to very fine-grained ss up to 40 cm thick, some discontinuous, some only as gutter casts, sharp bases with burrows and solemarks, few bioclastic beds, horizontal lamination and rxl near base, low angle lamination and HCS at top, ss:slts=1:10 at base, 2:1 at top, long horizontal burrows on upper surface, *Arthropycus* burrows elsewhere - sharp upper surface has 3-D interference ripples.
 - slightly c-up sequence thinly interbedded greenish grey bioturbated mudstone and thin siltstone beds up to 10 cm with sharp burrowed bases, rxl, minor horizontal lamination and convolute lamination, few have fossil fragments, beds laterally discontinuous over 10 m, slts:mud=1:5 at base, 1:2 at top.
 - greenish grey silty mudstone, bioturbated, numerous faults and structural cleavage disruption.
 - c-up sequence greenish grey bioturbated mudstone with few 5-10 cm siltstone beds near top which have sharp bases with burrows and solemarks, rippled and burrowed tops, upper bed has lag of fossil fragments, HCS, rxl and pinches out laterally over 20 m.
 - slightly c-up seq thinly interbedded greenish grey bioturbated mudstone and thin siltstone beds up to 8 cm, horizontal lamination, rxl, few fossil fragments.
 - f-up sequence interbedded greenish grey bioturbated mudstone and thin siltstone with sharp bases.
 - bundle of thin silty very fine-grained ss beds with sharp bases, burrows, crinoid and bryozoan fragments.
 - greenish grey bioturbated mudstone.
 - slightly c-up sequence greenish grey bioturbated mudstone with few thin siltstone beds up to 20 cm with erosional bases, low angle lamination, HCS, rippled top, few minor faults, few brachs.
 - slightly c-up sequence grey bioturbated silty mudstone with few thin siltstone beds up to 10 cm with sharp bases and horizontal lamination.
- BLUE
MOUNTAIN
Fm
- grey to blue grey mudstone, bioturbated, uniform, few thin siltstone beds up to 5 cm with sharp bases and few fossil fragments.
 - c-up sequence thinly interbedded blue grey silty mudstone and grey siltstone beds up to 10 cm, with erosional bases, burrows and solemarks, low angle lamination and rxl, one has few fossil fragments, cap bed pinches out laterally over 100 m.
 - blue grey mudstone, very uniform, thoroughly bioturbated, several very thin siltstone beds near top with sharp bass and horizontal lamination, few brach shells.

UPPER ORDOVICIAN/LOWER SILURIAN - SOUTHERN ONTARIO
 BLUE MOUNTAIN/GEORGIAN BAY FMS
 Workman's Creek (East Meaford Creek), 3 km SE of Meaford N and S of Hwy 26
 41A/10 Owen Sound 352385-360359
 Lat. 44°35'30"N Long. 80°33'30"W
 General strike 330°-340°
 Dip <1°SW

