

- 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.

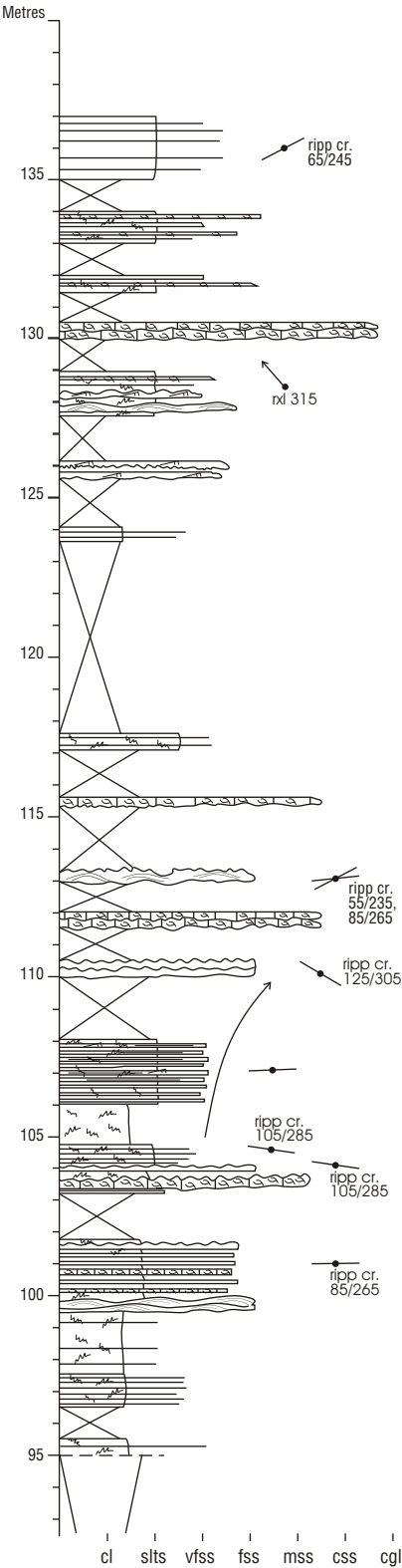
- slightly c-up sequence grey bioturbated silty mudstone with few thin siltstone beds up to 10 cm with sharp bases and horizontal lamination.

- 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



- poorly exposed reddish grey siltstone and thin 5-8 cm grey very fine-grained ss beds with sharp bases and symmetrical rippled tops.

- thinly interbedded reddish grey siltstone, very fine-grained ss and bioclastic limestone.

- thinly interbedded reddish grey siltstone, very fine-grained ss and bioclastic limestone, beds up to 8 cm, poorly exposed, bioturbated.

- grey coarse to very coarse crystalline bioclastic limestone, abundant large bryozoan and brachiopod fossils as transported debris, poor to fair sorting.

- thinly interbedded red siltstone and very fine- to fine-grained ss, poorly exposed, ss thinly laminated, few fossil fragments, HCS in one bed, rxl, bioturbated.

- reddish grey very fine- to fine-grained ss, thin bedded with minor red siltstone interbeds, rippled.

- reddish grey silty mudstone with thin 1-2 cm very fine-grained ss beds, poorly exposed.

- grey bioturbated sandy siltstone, few thin 1 cm very fine-grained ss beds, poorly exposed.

- reddish grey medium to coarse crystalline bioclastic limestone, sandy, poor to fair sorting, byozoan/crinoid/brachiopod debris.

- greenish grey fine-grained ss, well sorted, sharp bases, thin bedded, symmetrical ripples.

- grey to reddish grey medium to coarse crystalline bioclastic limestone, sandy poor to fair sorting.

- greenish grey fine-grained ss, well sorted, sharp bases, thin bedded, symmetrical ripples.

- thinly interbedded greenish grey bioturbated siltstone and grey very fine-grained ss plus several bioclastic beds, ss:slts=1:1, beds up to 8 cm, sharp bases with burrows and fossil fragment lags, low angle lamination.

- greenish grey muddy siltstone, bioturbated.

- greenish grey bioturbated siltstone, thin very fine-grained ss beds with sharp bases, solemarks, rippled tops.
- greenish grey fine-grained ss, well sorted, sharp base, symmetrical rippled top.
- greenish grey bioclastic medium crystalline limestone, sandy, sharp base, rippled top, fair sorting, crinoid/brachiopod/bryozoan fragments.
- greenish grey laminated sandy siltstone.

- thinly interbedded greenish grey siltstone and fine-grained ss and bioclastic limestone, beds up to 20 cm, erosional bases and rxl.

- grey fine-grained ss, well sorted, thin bedded, sharp erosional bases, shell fragment lag, burrows horizontal at base and vertical at top. low angle lamination and HCS

- greenish grey muddy siltstone to silty mudstone, bioturbated, few thin siltstone beds

- greenish grey thinly interbedded muddy siltstone and silty very fine-grained ss, bioturbated.

- blue grey muddy siltstone, bioturbated, with one 5 cm very fine-grained ss bed with sharp base and rippled burrowed top.