

GEORGIAN
BAY
Fm

- c-up sequence thinly interbedded greenish grey bioturbated silty mudstone and thin fine calcarenite and bioclastic calcarenite, sharp bases.
- c-up sequence thinly interbedded greenish grey bioturbated silty mudstone and thin fine calcarenite and coarse bioclastic calcarenite, sharp bases, upper bed is 10 cm muddy bed with floating large fossil fragments.
- c-up sequence thinly interbedded greenish grey bioturbated silty mudstone and thin fine to coarse calcarenite beds up to 7 cm, sharp bases, HCS at top, numerous thin bioclastic calcarenite beds.
- c-up sequence thinly interbedded greenish grey bioturbated silty mudstone and thin fine to coarse calcarenite beds up to 5 cm, sharp bases, horizontal lamination, HCS at top, several beds at top are bioclastic calcarenite.
- c-up sequence thinly interbedded greenish grey bioturbated mudstone and thin calcisiltite/calcarenite beds up to 8 cm, sharp erosive bases, horizontal lamination, HCS in upper beds, ss:slts=1:8 at base, 1:4 at top.
- thinly interbedded grey bioturbated mudstone and thin calcisiltite beds up to 5 cm thick with sharp bases, horizontal lamination and rxl.

BLUE
MOUNTAIN
Fm

- dark grey mudstone, bioturbated, with thin calcisiltite beds with sharp bases, horizontal lamination, rxl, lst:sh=1:10.
- dark grey to brownish black laminated mudstone, few very thin siltstone beds scattered throughout, very uniform, non calcareous, petroliferous, no visible burrowing.

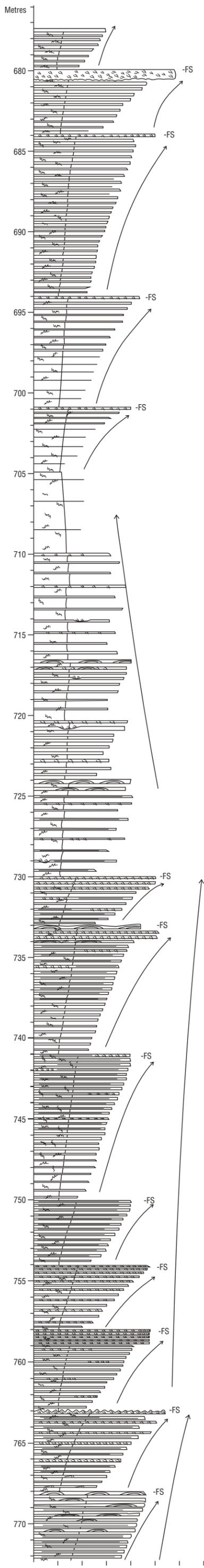
COLLINGWOOD
Fm

- f-up sequence dark grey laminated mudstone, calcareous, few very thin limestone beds, lst:sh=1:10.
- f-up sequence thinly interbedded dark grey laminated mudstone and grey laminated limestone, sharp based beds, no bioturbation, few fossils, lst:sh=1:1.

LINDSAY
Fm

- grey fossiliferous limestone with dark grey, mudstone partings bioturbated, nodular, medium bedded, fine crystalline.

cl slts vfss fss mss css



GEORGIAN
BAY
Fm

- c-up sequence thinly interbedded greenish grey bioturbated silty mudstone and thin fine calcarenite, sharp bases, upper bed is thick 60 cm medium to coarse crystalline bioclastic calcarenite.

- c-up sequence thinly interbedded greenish grey bioturbated silty mudstone and very thin calcarenite, sharp bases, horizontal lamination, upper bed is bioclastic calcarenite, l:st:sh=1:5.

- c-up sequence thinly interbedded greenish grey silty mudstone and grey thin calcisiltite to calcarenite, upper bed is 5 cm bioclastic calcarenite.

- c-up sequence thinly interbedded greenish grey silty mudstone and very thin calcisiltite, upper bed is 5 cm bioclastic calcarenite.

- greenish grey bioturbated silty mudstone, very uniform, few very thin calcarenite/calcisiltite beds.

- thinly interbedded greenish grey bioturbated silty mudstone and thin fine calcarenite up to 10 cm, sharp erosional bases, horizontal lamination, HCS in some thicker beds, many have bioclastic shell lags, few have scour-eroded tops with shelly lags and mud fills.

- c-up sequence thinly interbedded greenish grey bioturbated silty mudstone and thin fine to medium crystalline bioclastic calcarenite, erosional bases, up to 10 cm thick.

- c-up sequence thinly interbedded greenish grey bioturbated silty mudstone and thin fine calcarenite, few fine to medium crystalline bioclastic calcarenite beds near top, erosional bases, horizontal lamination, HCS at top.

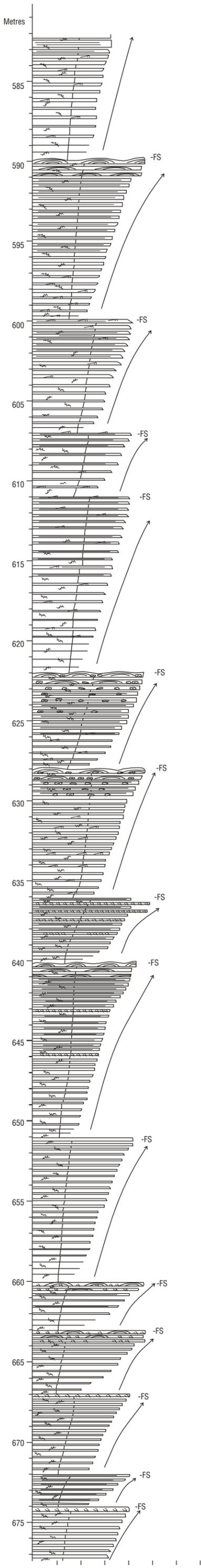
- c-up sequence thinly interbedded greenish grey bioturbated silty mudstone and thin fine calcarenite, and minor bioclastic calcarenite, sharp bases, abundant mud-filled burrows, horizontal lamination.

- c-up sequence thinly interbedded greenish grey bioturbated silty mudstone and thin fine calcarenite, no bioclastic beds, sharp bases, horizontal lamination.

- c-up sequence thinly interbedded greenish grey bioturbated silty mudstone and thin fine calcarenite, and bioclastic calcarenite beds near top, sharp bases, at top are 5 thin bioclastic beds.

- c-up sequence thinly interbedded greenish grey bioturbated silty mudstone and thin fine calcarenite and bioclastic calcarenite beds up to 8 cm thick, erosional bases, top bed has sharp ripple form top.

- c-up sequence thinly interbedded greenish grey bioturbated silty mudstone and thin fine calcarenite up to 12 cm thick, with sharp bases, horizontal lamination, HCS.



- c-up sequence thinly interbedded red sandy siltstone and reddish/greenish fine-grained sandstone beds, sandstone are sharp based with horizontal lamination, HCS at top, modest bioturbation.

- set of stacked c-up sequences 3-8 m thick of thinly interbedded red sandy siltstone and green fine-grained beds, sandstone are sharp based with green shale rip-ups, horizontal lamination and rxl, sandstone beds are f-up, siltstone are moderately bioturbated.

QUEENSTON
Fm

- c-up sequence thinly interbedded red sandy sits and red/green fine-grained, sharp bases with green shale rip-ups, horizontal lamination, rxl, HCS, bioturbation, beds up to 30 cm, no fossil fragments.

- c-up sequence thinly interbedded red sandy siltstone and red/green sandy fine calcarenite to fine-grained sandstone, sharp bases with green shale rip-ups, horizontal lamination, rxl, HCS, abundant burrows, beds up to 20 cm, ss:sils=1:2 at base, 2:1 at top, no fossil fragments.

- c-up sequence thinly interbedded reddish grey muddy siltstone and fine calcarenite and bioclastic calcarenite, abundant burrowing.

- c-up sequence interbedded greenish grey bioturbated muddy siltstone and fine calcarenite, up to 15 cm, sharp bases, horizontal and low-angle lamination and HCS, minor rxl, some have bioclastic lags, few bioclastic calcarenite beds, lst:sh=1:3 at base, 2:1 at top, no reddish colours.

GEORGIAN
BAY
Fm

- c-up sequence thinly interbedded greenish grey bioturbated silty mudstone and thin fine calcarenite, sharp bases, horizontal lamination, upper part has 10-15 cm reddish grey beds, lst:sh=1:3 at base, 1:1 at top.

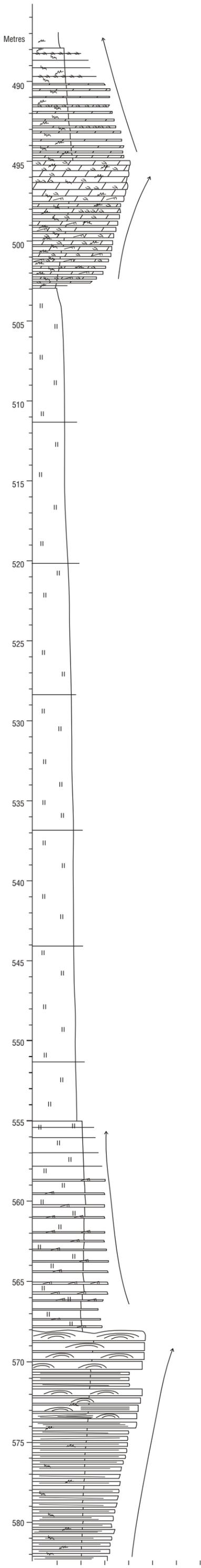
- c-up sequence thinly interbedded greenish grey bioturbated silty mudstone and thin fine calcarenite, sharp bases, horizontal lamination, upper part has 15 cm reddish grey fine calcarenite with bioclastic lag and HCS.

- c-up sequence thinly interbedded greenish grey bioturbated silty mudstone and thin fine calcarenite, sharp bases, upper 0.5 m has several 10-15 cm beds with bioclastic lags and HCS.

- c-up sequence thinly interbedded greenish grey bioturbated silty mudstone and fine calcarenite, sharp bases, upper 5 cm bed has lag of fossil fragments.

- c-up sequence thinly interbedded greenish grey bioturbated silty mudstone and thin fine calcarenite, sharp bases, horizontal lamination.

- c-up sequence thinly interbedded greenish grey bioturbated silty mudstone and thin fine calcarenite, sharp bases, upper bed is 20 cm thick with lag of fossil fragments.



— f-up sequence thinly interbedded grey fine crystalline dolostone and greenish grey calcareous mudstone, with bioclastic calcarenite beds up to 10 cm, bioturbated, lst:sh=1:1 at base, 1:5 at top.

MANITOULIN
Fm

- c-up thinly interbedded grey fine crystalline dolostone and greenish grey calcareous mudstone, abundant burrowing and fossil fragments in lags, sharp bases, rxl, dol:sh=1:2 at base, 10:1 at top.



QUEENSTON
Fm

- brick red pedogenic siltstone to muddy siltstone to silty mudstone, general f-up, uniform, blocky, massive, well displayed peds and cutans, upper 10 cm bright green, few very thin siltstone beds.

- f-up sequence thinly interbedded red pedogenic sandy siltstone and greenish fine-grained sandstone beds up to 10 cm, with sharp bases and rxl, siltstone is blocky, uniform, massive.

- c-up sequence thinly interbedded red sandy siltstone and reddish grey fine-grained sandstone, thick fine-grained sandstone up to 50 cm in upper 5 m, sandstone general f-up, sharp bases, horizontal lamination and HCS at top, minor bioturbation, low-angle lamination.

UPPER ORDOVICIAN/LOWER SILURIAN - SOUTHERN ONTARIO
 COLLINGWOOD/BLUE MOUNTAIN/GEORGIAN BAY/QUEENSTON/MANITOULIN/CABOT HEAD/FOSSIL HILL/ROCHESTER FMS
 OGS Port Stanley 82-3 (1983)
 Lot 9, conc 1, Yarmouth Twp, Elgin Co.
 Lat. 42°40'N Long. 81°10'W

