

- dark greenish grey mudstone with a few thin bioclastic limestone and very fine-grained sandstone beds, decreasing upward - upper surface is sharp and irregular with limestone clasts, vertical burrows and pink ?gypsum? concretions.

- c-up sequence of thinly interbedded greenish grey bioturbated calcareous mudstone and thin grey bioclastic limestone and thin very fine- to fine-grained sandstone - sandstone up to 5 cm with sharp erosional bases, burrow fills, vertical mud-filled burrows, and discontinuous biscuit ripples, low angle lamination, preserved ripple tops - limestones have large brachiopod/crinoid fossil fragments and large horizontal burrows - ss/lst:mud=1:6.

GEORGIAN
BAY
Fm

- slightly greenish grey calcareous mudstone with few thin beds of very fine-grained sandstone and bioclastic limestone, partially bioturbated, very uniform.

- thinly interbedded grey to dark grey bioturbated mudstone and thin grey very fine- to fine-grained sandstone - sandstone up to 8 cm, with sharp bases, horizontal lamination, minor ripple cross lamination - abundant horizontal burrows - ss:mud=1:10.

- grey to dark grey partially bioturbated mudstone, thinly laminated, with few thin very fine- to fine-grained sandstone beds up to 2 cm thick - ss:mud=1:25, ripple cross lamination.

BLUE
MOUNTAIN
Fm

- c-up sequence of thinly interbedded grey to dark grey noncalcareous mudstone and grey very fine- to fine-grained sandstone - sandstone up to 10 cm, with very sharp bases with burrows, and ripple cross lamination.

- c-up sequence of thinly interbedded grey to dark grey noncalcareous mudstone and grey very fine- to fine-grained sandstone - sandstone up to 10 cm with sharp bases, low angle lamination and ripple cross lamination - abundant horizontal burrows - oil stain in sandstones - ss:mud=1:10 at base, 1:5 at top.

- f-up sequence of dark grey noncalcareous mudstone with a few thin grey very fine-grained sandstones up to 2 cm, with sharp bases.

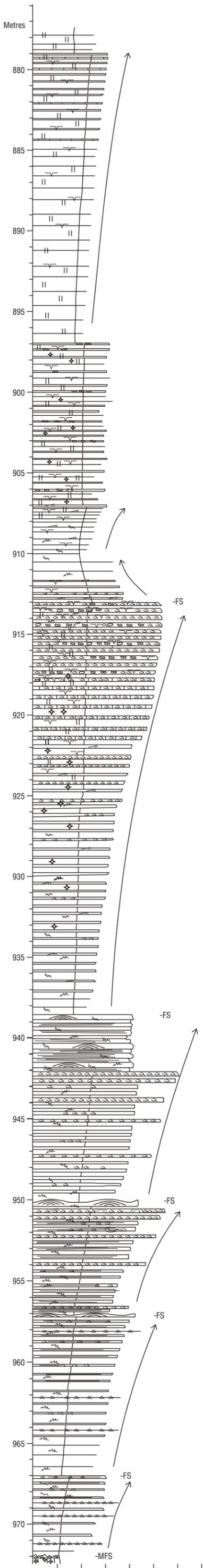
- grey fine to medium-grained sandstone, thin bedded, large burrows, ripples.
- dark grey calcareous mudstone, thinly laminated, partially bioturbated, few thin medium-grained sandstone beds increase upward.

COLLINGWOOD
Fm

- thinly interbedded grey bioclastic limestone and dark grey mudstone, f-up trend, heavily burrowed, disrupted bedding, abundant fossil fragments, sharp irregular hard ground at top.

- pale grey fine to medium crystalline fossiliferous limestone, beds up to 20 cm separated by thin dark grey mudstone partings which increase upward - abundant vertical and horizontal burrows, abundant corals/crinoids/brachiopods/gastropods.

LINDSAY
Fm



- red muddy siltstone, few greenish calcareous beds, gypsiferous.

- vaguely c-up sequence of red siltstone to sandy siltstone with thin green very fine-grained sandstone and sandy limestone beds up to 2 cm - siltstone is massive, blocky, uniform, pedogenic, gypsiferous - sandstone/limestone beds have very diffuse boundaries, rip ups lags, desiccation cracks.

QUEENSTON
Fm

- thinly interbedded red siltstone and reddish very fine-grained sandstone, beds up to 5 cm, sharp bases and tops, red/green mottling, abundant desiccation cracks and mud chips, gypsum nodules - siltstone massive blocky and pedogenic.

- c-up sequence of thinly interbedded red silty mudstone and grey very fine-grained sandstone - horizontal burrows and desiccation cracks - sandstone up to 5 cm with horizontal and low angle lamination and ripple cross lamination - ss:mud=1:2 at base, 2:1 at top.

- long c-up sequence of thinly interbedded red siltstone and greenish grey very fine-grained sandstone and grey bioclastic limestone - siltstone has numerous greenish zones, increasing near top, and is burrowed, but with more pedogenic appearance near top - toward top sandstone decreases and limestone dominates - toward top are abundant desiccation cracks, disrupted beds, flat pebble conglomerate, large pink gypsum nodules in interval 935-916 - upper 3 m dominated by green siltstone.

GEORGIAN
BAY
Fm

- grey to greenish grey fine-grained sandstone, thick bedded, fair sorting, sharp bases, horizontal and low-angle lamination, HCS, abundant small vertical and horizontal burrows, beds up to 30 cm, mostly 10 cm, sharp top.

- c-up sequence of thinly interbedded greenish grey bioturbated siltstone and very fine- to fine-grained sandstone and bioclastic sandy limestone - abundant vertical and horizontal burrows - bioclastic limestone composed of large brachiopod/coral/gastropod/crinoid fragments set in sandy or silty matrix - red staining at 947.

- c-up sequence of thinly interbedded greenish grey bioturbated siltstone and calcareous very fine- to fine-grained sandstone and bioclastic sandy limestone - sharp bases with small scours and burrows, horizontal and low angle lamination and HCS - ss:silts=1:1 at base, 5:1 at top.

- c-up sequence of thinly interbedded greenish grey bioturbated silty mudstone to siltstone and thin calcareous very fine- to fine-grained sandstone and thin bioclastic limestone - sandstone up to 10 cm, with sharp erosional bases, fossil fragment lags, burrows, low angle lamination and ?HCS? - limestones very thin - ss:silts=1:5 at base, 1:2 at top.

- c-up sequence of thinly interbedded greenish grey bioturbated silty mudstone to siltstone and thin bioclastic limestone and thin calcareous very fine-grained sandstone - sandstone up to 10 cm, with sharp bases, fossil fragment lags, burrows, horizontal lamination, gradational tops - limestones very thin.

UPPER ORDOVICIAN/LOWER SILURIAN - SOUTHERN ONTARIO
 COLLINGWOOD/BLUE MOUNTAIN/GEORGIAN BAY/QUEENSTON/MANITOULIN/CABOT HEAD/REYNALES/ROCHESTER/AMABEL FMS
 OGS 82-1 Lambton Generating Station (Courtright) (1983)
 Lot 18, Conc. Front, Moore Twp, Lambton Co.
 Lat. 42°45' N Long. 82°30' W

