

GEORGIAN  
BAY  
FM

BLUE  
MOUNTAIN  
FM

COLLINGWOOD  
FM

- c-up sequence of thinly interbedded greenish grey calcareous silty mudstone and very fine-grained sandstone and bioclastic limestone - beds up to 12 cm, sharp erosional bases, large vertical burrows, horizontal lamination, preserved rippled tops or gradational burrowed top - ss/lst:mud=1:5.

- greenish grey bioturbated silty mudstone, few thin very fine sandstone beds up to 5 cm thick.

- c-up sequence of thinly interbedded greenish grey bioturbated silty mudstone and grey siltstone to very fine sandstone - sandstone up to 8 cm, horizontal lamination, minor stringers of floating fossil fragments.

- greenish grey bioturbated silty mudstone, few thin stringers of fossil fragments floating in siltstone matrix.

- greenish grey bioturbated silty mudstone with thin very fine-grained sandstone and bioclastic limestone beds up to 8 cm thick with sharp bases, horizontal and ripple cross lamination - sandstones have gradational tops, limestones have burrows and crinoid/brachiopod fragments projecting above tops.

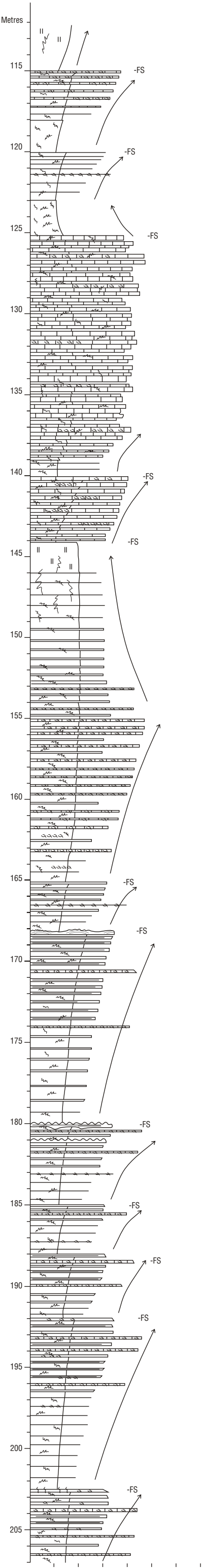
- grey to greenish grey bioturbated noncalcareous mudstone with thin greenish grey siltstone to very fie-grained sandstone beds and a few thin bioclastic limestone beds - sharp bases, up to 3cm.

- grey to dark grey bioturbated noncalcareous mudstone with thin greenish grey siltstone to very fine-grained sandstone beds up to 3 cm thick with sharp bases, horizontal lamination, rxl.

- grey to dark grey noncalcareous mudstone, uniform, monotonous, thin bedded, partially bioturbated, few greenish grey silty beds with sharp bases in lower 5 cm and upper 5 cm - very dark grey uniform mudstone in interval 275-276.

- f-up sequence of thinly interbedded dark grey laminated calcareous mudstone and thin grey fine to coarse crystalline bioclastic limestone - limestone up to 10 cm, with sharp bases, fossil fragment lags, some horizontal lamination - burrow fills of fossil fragment in mudstone - thin brownish black oil shale beds in upper 2 m - upper surface is brown argillaceous limestone with burrows and sharp flat top.

- thickly interbedded grey fine to coarse crystalline bioclastic limestone and dark grey laminated calcareous mudstone with thin stringers of fossil fragments - limestones beds up to 30 cm with sharp bases and lags of fossil fragments.



- c-up sequence of thinly interbedded greenish silty mudstone and bioclastic limestone - red/green mottled, heavily burrowed, thin calcite veins, pink gypsum nodules at top - lst:mud=1:5.

- green /red mottled silty mudstone, uniform, bioturbated.

- c-up sequence of thinly interbedded greenish mudstone and thin very fine-grained sandstone, minor bioclastic limestone, beds up to 3 cm, sharp based.

- blue-grey fine to medium crystalline limestone and bioclastic limestone with minor thin bioturbated grey mudstone beds - thin bedded, up to 15 cm, sharp bases, abundant horizontal and large vertical mud-filled burrows - upper 2 m mostly heavily burrow-homogenized mudstone and gradational top.

- greenish grey bioturbated mudstone with a few 1-2 cm grey very fine crystalline limestone beds with sharp bases.

- c-up sequence of thinly interbedded greenish grey bioturbated mudstone and blue-grey fine crystalline limestone, minor lags of fossil fragments, simple horizontal burrows, some large vertical mud-filled burrows - lst:mud= 1 : 1 at base, 2:1 at top.

- slightly f-up sequence of thinly interbedded greenish grey to reddish bioturbated siltstone and very fine-grained sandstone - few thin bioclastic limestone beds near base, abundant small vertical and horizontal burrows cutting through beds - calcite and gypsum veins in upper 5 m - abundant red staining and red/green mottling - upper 2 m is massive pedogenic red siltstone.

- c-up sequence of thinly interbedded greenish grey bioturbated siltstone and bioclastic limestone, with minor silty very fine-grained sandstone - beds up to 8 cm with erosional bases, large fossil fragments of brachiopods/bryozoans/crinoids - stringers of fossil fragments floating in siltstone matrix - lst/ss:silts=1:3.

- c-up sequence of thinly interbedded greenish grey bioturbated muddy siltstone and very fine-grained sandstone up to 8 cm very few limestone beds, sharp bases, low angle lamination.

- c-up sequence of thinly interbedded greenish grey bioturbated muddy siltstone and very fine sandstone and bioclastic limestone - beds up to 20 cm, some deep scour bases, horizontal and low- angle lamination, ?HCS?, abundant horizontal sand-filled burrows, few bioclastic limestones, ss/lst=silts=1:3 at top.

- thinly interbedded greenish grey bioturbated muddy siltstone and grey very fine-grained sandstone and bioclastic limestone - beds up to 15 cm, with deeply erosional bases, burrowed tops and preserved ripple tops - limestones have bryozoan/brachiopod/crinoid fossil fragments.

- c-up sequence of thinly interbedded greenish grey silty mudstone and very fine-grained sandstone and bioclastic limestone - sandstone up to 5 cm, sharp bases.

- c-up sequence of thinly interbedded greenish grey, muddy siltstone and very fine-grained sandstone and bioclastic limestone - sandstone up to 10 cm, sharp bases, gradational tops.

- c-up sequence of thinly interbedded greenish grey muddy siltstone and very fine-grained sandstone and bioclastic limestone - sandstone up to 8 cm, sharp bases, gradational tops - ss/lst:mud=1:3 at top.

- c-up sequence of thinly interbedded greenish grey calcareous silty mudstone and very fine sandstone and bioclastic limestone - beds up to 15 cm, sharp bases, horizontal and low-angle lamination, burrow fills of fossil fragments - intimate intermixture of sandstone and fossil fragments in beds - mud filled burrows at sharp top.

UPPER ORDOVICIAN/LOWER SILURIAN - SOUTHERN ONTARIO  
COLLINGWOOD/BLUEMOUNTAIN/GEORGIAN BAY/QUEENSTON/MANITOULIN/DYER BAY/WINGFIELD/FOSSIL HILL FMS  
OGS 82-4 (Warton)  
Lot 25, conc. I, WBR tract 4, Albemarle Twp, Bruce Co.  
41 A/14 Cape Croker 829578  
Lat. 44°50'N Long. 81°13'W

