LEGEND

Conglomerate.....

Limestone / Dolomitic limestone.....

Carbonaceous shale.....

Coal.....

Siderite concretion bed or calcrete concretions.....

Bentonite bed.....

Oolitic bed.....

Stromatolite bed or individual stromatolites.....

Lens-shaped bed.....

Discontinuous scour / gutter fills.....

Fault.....

Fractures with slickensides (either structural or pedogenic).....

Fining-upward Trend.....

Coarsening-upward Trend.....

Paleocurrent Indicators.....

Copper Sulfide Mineralization.....

Erosive base with rip-ups and granules.....

Scoured Base.....

Ball and Pillow.....

Rip-up Interclasts.....

Breccia / Flat Pebble Conglomerate.....

Trough Cross bedding.....

Ripple Cross Lamination.....

Climbing Ripples.....

Low Angle Lamination.....

Planar Tabular Crossbedding.....

Inclined Bedding Surfaces (IBS) or Lateral Accretion Surfaces (LA).....

Inclined Heterolithic Stratification (IHS).....

Contorted Lamination.....

Hummocky Cross Stratification (HCS).....

Water Escape Structure.....

Roots.....

Bioturbation / Burrowing.....

Vertical Burrows (eg. Skolithos).....

Desiccation Cracks.....

Fossil shells (pelecypod, gastropod, brachiopod).....

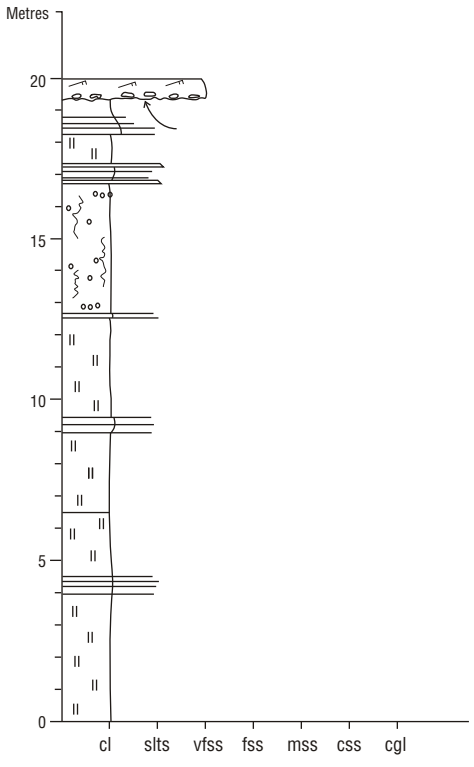
Dinosaur bone fragments.....

Carbonized wood fragments.....

Gypsum nodule bed.....

Evaporite crystal molds.....

UPPER ORDOVICIAN / LOWER SILURIAN - SOUTHERN ONTARIO
upper QUEENSTON/lower WHIRLPOOL Fms
Lavender Badlands Roadcut
41 A/8 Collingwood 707028
lat. 44° 16' 30'' N long. 80° 06' 40'' W
general strike 330°-340°
dip < 1° SW



WHIRLPOOL

- greenish grey very fine-grained ss, well sorted, silica cement, rip-ups, no burrows, rxl, sharp
- f-up sequence, several thin green siltstone beds passing up into green uniform mudstone
- red pedogenic mudstone, uniform, blocky, rubbly

- bundle of green siltstone beds up to 8 cm thick, some sharp bases, gradational tops, separated by red mudstones

- red pedogenic mudstone, uniform, blocky, rubbly, massive

- several thin green siltstone beds, gradational boundaries

- bundle of green siltstone beds up to 5 cm thick, sharp bases, gradational tops

QUEENSTON

- red mudstone, poorly exposed

- red pedogenic mudstone, uniform, blocky, rubbly, massive

- bundle of green thin siltstone beds up to 5 cm thick, sharp bases, separated by red mudstone

- red pedogenic mudstone, uniform, blocky, rubbly, massive