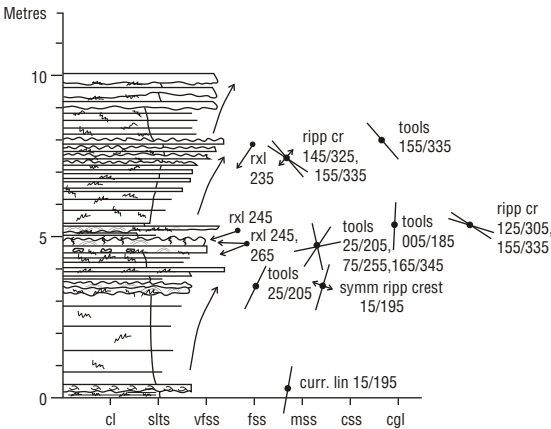


LEGEND	
Conglomerate.....	
Limestone / Dolomitic limestone.....	
Carbonaceous shale.....	
Coal.....	
Siderite concretion bed or calcrete concretions.....	
Bentonite bed.....	
Oolitic bed.....	
Stromatolite bed or individual stromatolites.....	
Lens-shaped bed.....	
Discontinuous scour / gutter fills.....	
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 - SOUTHERN ONTARIO  
Middle GEORGIAN BAY FORMATION  
HUMBER RIVER, LAMBTON MILLS  
30M/12 Brampton 199356  
Lat. 43°40'N long. 79°31'W  
General strike 340° -330°  
Dip <1° SW



- bundle to thick calcarenites up to 25 cm thick, sharp bases with burrow casts, ss:slts=2:1.
- grey thinly interbedded calcisiltite and shaly slts, bioturbated, gradational bounds.
- c-up sequence of thinly interbedded slts and coarse slts to very fine-grained ss, ss:slts=1:10 at base and gradational boundaries, at top ss:slts=1:2 and ss have sharp bases with resting burrow casts and symmetrical rippled tops.
- thicker very fine calcarenite, sharp base with burrows, HCS, burrowing
- grey well sorted very fine calcarenite, erosional base with burrows, HCS and symmetrical ripples, *Skolithos* at top.
- grey coarse slts to very fine-grained ss, sharp base with rip-ups and burrows, 11 lamination
- thinly interbedded shaly slts and coarse slts to very fine-grained ss, ss:slts=1:1, sharp bases, gradational tops, bioturbated, horizontal lamination
- thin grey slts to very fine-grained ss, sharp flat base with burrows, irregular lumpy top.
- grey coarse slts, sharp flat base, amalgamation couplet, minor rxl in middle, sharp flat top.
- thinly interbedded silty shale and slts, ss:slts=1:2, general discontinuous beds.
- two thin calcisiltite beds with erosive bases, abundant horizontal burrows, large *Planolites*, micro HCS lamination, sharp top with symmetrical ripples.
- grey silty shale with minor sharp based calcisiltite beds up to 2 cm thick, ss:slts=1:7, poorly exposed.
- grey fossil hash calcarenite, lag of slts rip-ups, crinoids, brachiopods, laminated
- grey calcareous siltstone, thinly laminated, sharp base with abundant tiny horizontal and *Planolites* burrows.