

LEGEND

Conglomerate.....	
Limestone / Dolomitic limestone.....	
Carbonaceous shale.....	
Coal.....	
Siderite concretion bed or calcrite 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

THOROLD / REYNALES / IRONDEQUOIT / ROCHESTER Fms

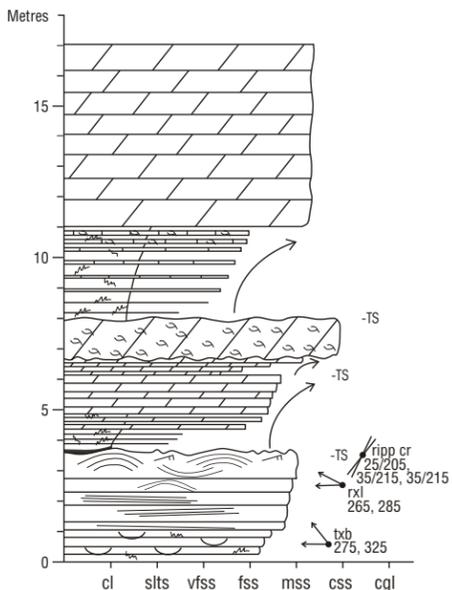
Tiffany Falls, 500 m S of Hwy 2, below Ancaster

30 M/4 Hamilton-Grimby 846877

Lat. 43° 14' 15" N Long. 79° 57' 30" W

general strike 330° - 340°

dip <1° SW



LOCKPORT
Fm

- brownish grey thick bedded fossiliferous dolostone.

ROCHESTER
Fm

- c-up sequence of thinly interbedded grey to dark grey bioturbated silty mudstone and grey bioclastic limestone, beds up to 20 cm, lst:sh=1:5 at base, 1:1 at top.

IRONDEQUOIT
Fm

- grey to buff medium to coarse crystalline bioclastic dolostone, sharp scoured base, very fossiliferous, undulating sharp top.

REYNALES
Fm

- c-up sequence of medium crystalline dolostone

- 3 cm green bioturbated mudstone

THOROLD
Fm

- greenish grey fine to medium dolomitic sandstone with thin muddy partings, thin to medium bedded, well sorted, c-up, horizontal and low angle lamination with minor txb near base, upper bed has abundant low amplitude HCS and SCS, symmetrical ripples on upper surface, few burrows.