



LOWER SILURIAN - SOUTHERN ONTARIO
QUEENSTON/WHIRLPOOL/CABOT HEAD/GRIMSBY/THOROLD/REYNALDES/IRONDEQUOIT FMS
Anschutz Lake Erie 006-R-4 Welland Co., Lake Erie (1975) 12 km SW of Port Colborne
Block 6, tract R, quarter 4
Lat. 42°50'N Long. 79°25'W

Irondequoit

- buff coarse crystalline dolostone, fossiliferous, bioclastic, fair to good sorting, thick bedded.

Reynales

- c-up sequence greenish grey mudstone and grey fossiliferous fine crystalline dolostone, thin to thick bedded, sharp bases, well burrowed.

Thorold

- c-up sequence grey fine- to medium-grained sandstone with thin green siltstone partings, abundant burrows, gradational burrowed top, horizontal lamination.

- reddish and greenish stacked multistoried f-up sequences fine- to medium-grained sandstone, sharp erosional bases with green shale rip-ups, well sorted, txb, low-angle lamination.

- c-up sequence thinly interbedded red/green mottled siltstone and fine-grained sandstone, bioturbation, sandstone have sharp bases, horizontal lamination, up to 10 cm thick.

- red siltstone to sandy siltstone, mottled greenish colours, no obvious burrows, several fine- to medium-grained sandstone beds in middle up to 30 cm thick with horizontal lamination.

Grimsby

- red/green mottled slightly f-up sequence fine- to medium-grained sandstone, erosional scoured base with red and green shale rip-ups, multistoried, well sorted, quartzose, sharp top with few thin red siltstone beds, txb at base, horizontal and low-angle lamination toward top.

- c-up sequence thinly interbedded red very fine to fine-grained sandstone and siltstone with very sharp erosional top, abundant horizontal sandstone-filled burrows, sandstones are sharp-based and up to 30 cm, horizontal lamination and rxl and contorted lamination at base, horizontal and low-angle lamination and HCS near top, ss:slts=1:2 at base, 5:1 at top.

Cabot Head

- light grey to white fine- to medium-grained sandstone, very quartzose, very well sorted, sharp irregular scoured base with green shale rip-ups, uniform, slightly f-up with few silty partings near top, txb and low-angle lamination.

Whirlpool

Queenston

- brick red pedogenic siltstone, very muddy, blocky, massive, uniform, sharp top with green staining.