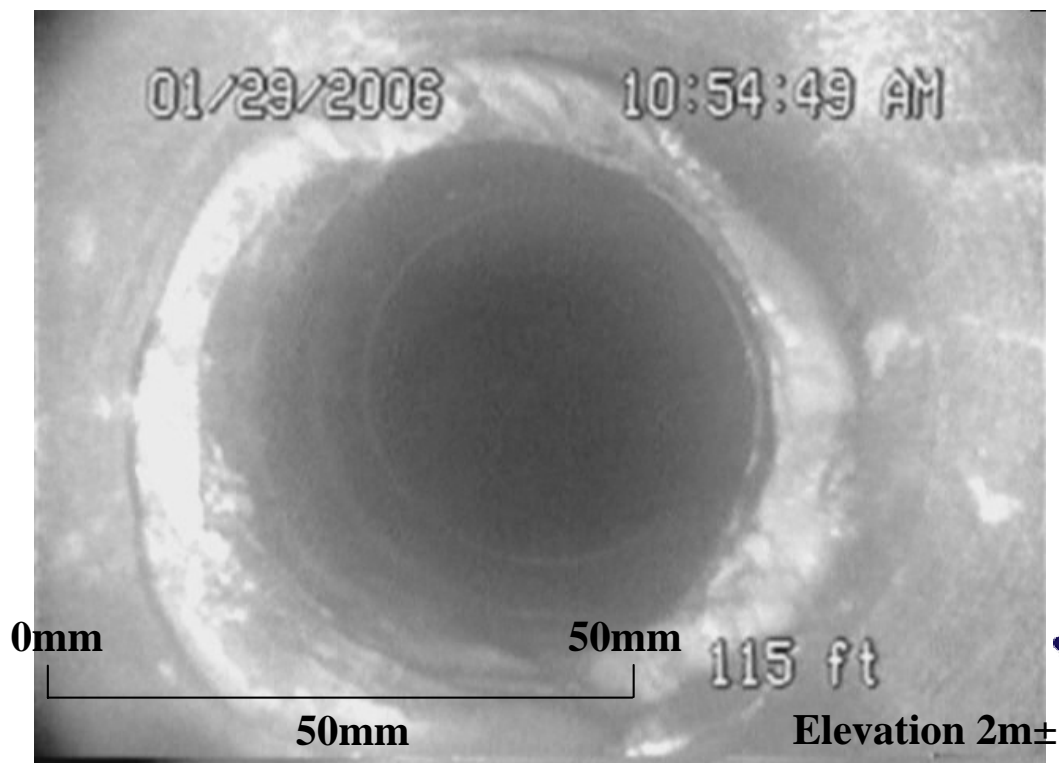
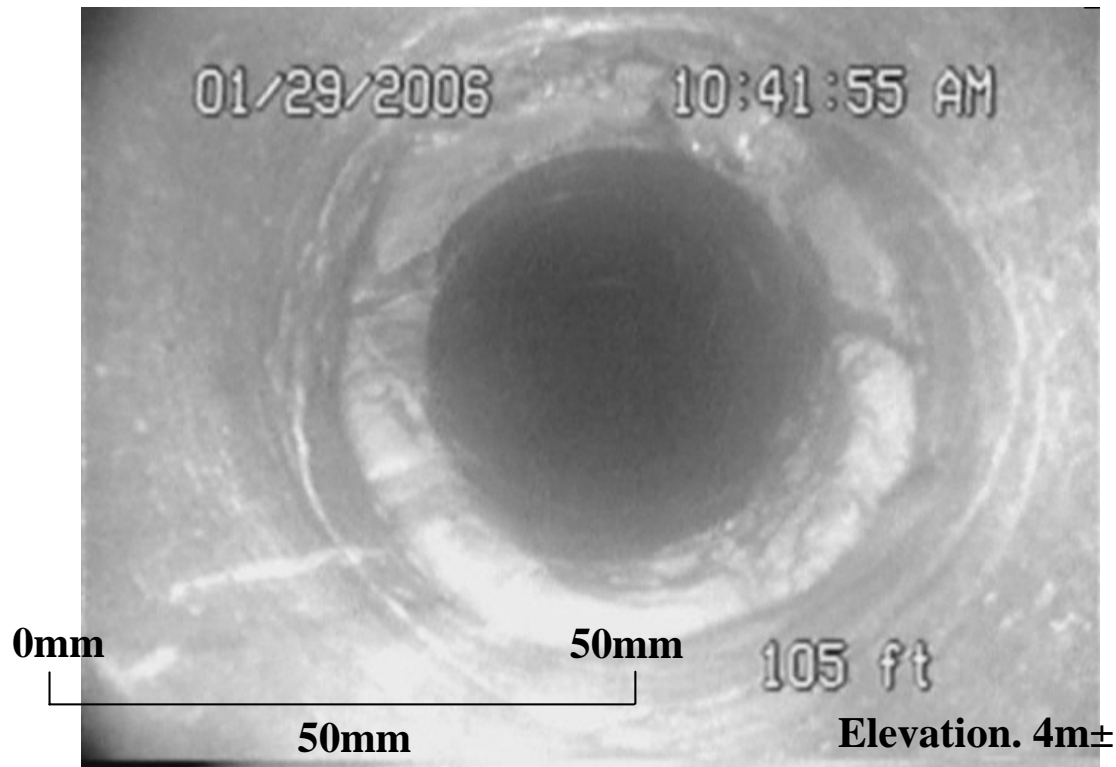


**APPENDIX 3B**

**CLOSE-UPS OF ROCKCORES**

# Phase 3 – Cacouna Energy, Gros Cacouna, Quebec

## BH-4



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Photo 1. Down hole camera shot of borehole BH-4. Note the small 5mm fractures at approximate elevations 4m and 2m. These elevations correspond to changes in rock type and the fractures are the normal result of the small separation or movements between the beds caused by the slow folding that is known to have occurred in this region.

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BH-4 : 31.7 m



Photo 2. Close up of core from borehole BH-4. Slickensides (polished surface with striations) are truncated at the horizontal section of thin fracture in the core indicating these features are a result of small adjustments of the rock over time. These observations, along with the lack of fault gouge in the core show that the large fracture in the area does not pass below tank T-100.

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## Phase 3 – Cacouna Energy, Gros Cacouna, Quebec

BH-7 : 4.0 m



Photo 2. Close up of core from borehole BH-7 (below Tank T-101) showing well defined polished surface and striations (slickensides). Note the multiple orientations of the striations that suggest movements are due to small adjustments of the rock as a result of the general folding events in the geological history of the region. The presence of these features below tank T-101 where geophysics have shown a lack of large fractures indicates that they are ubiquitous in the regions and not a result of single large faults.

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