

**Biological Monitoring Report: removal of 6 timber piles: part of the Johnson Street Bridge Reconstruction Project – December 22, 2011**

Rob Russell of Castor Consultants Ltd. attended on-site between 0730 and 0830 hr December 22, 2011 to monitor the removal of 6 timber piles near the Harbour Road office of Ruskin Construction. The tide was rising 2.74 to 2.95 m during the piling removal. The weather was clear and the temperature was approximately 0 degrees C.

No fish were evident in the water surrounding the construction site during the work. The site is industrial in nature, with marinas and vessel repair and fabrication activities occurring adjacent to the bridge.

The six piles were removed from the clay substrate within about 20 minutes using a barge-mounted crane. The piles were placed on land and bucked up into smaller pieces using a chain saw before removal to an appropriate site for recycling.



Removing a timber pile- note debris boom and silt curtain against upland bank



Placing the pile on the adjacent deck



Piles placed on the adjacent deck



After pile removal – note creosote sheen

Work was concluded at 0830 hr.

Rob Russell, R. P. Bio.