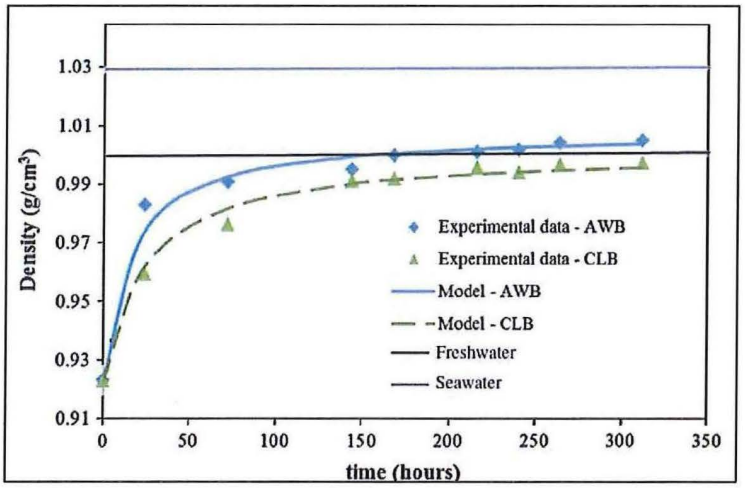
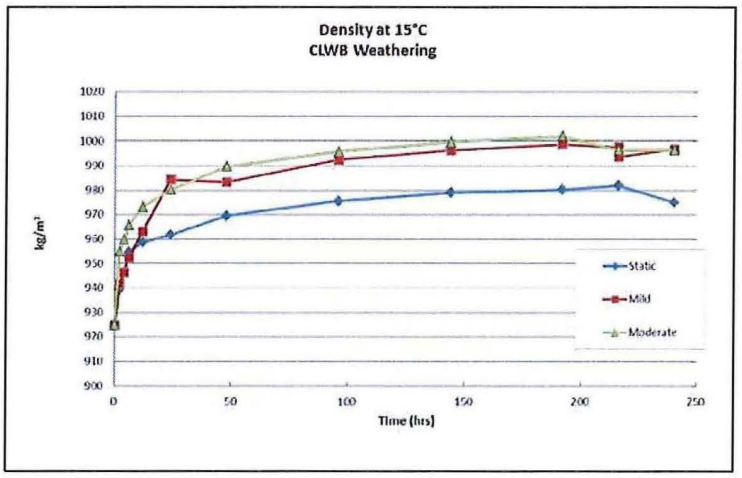
Attachment F – Oil Evaporation and Density Changes

Tank (left) and flume (right) evaporation experiments for two dilbits (Access Western Blend – AWB) and Cold Lake Blend (CWB) in comparison to freshwater and seawater. Approached freshwater density with moderate agitation after approximately 6 days of weathering. (WPW, 2014) (King et al 2014; flume tests).





Source: King, T.L., Robinson, B., Boufadel, M., Lee, K. (2014). Flume tank studies to elucidate the fate and behavior of diluted bitumen spilled at sea. Mar. Pollut. Bull. (2014), http://dx.doi.org/10.1016/j.marpolbul.2014.04.042

SL Ross. 2012. Meso-scale weathering of Cold Lake bitumen/condensate blend. SL Ross Environmental Research Ltd, #200 - 1140 Morrison Drive, Ottawa, ON K2H 8S9.

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