**LOG BOOMS INSPECTION/REPAIR & MAINTENANCE**

**Background:** The log booms are necessary to stop rock removal due to wave action on the front face of the high level spillway, also to stop floating debris from blocking spillways and dam crest at South Fork and Jump Lake. Visual inspections, maintenance and repair by small water craft is occasionally needed.

**Hazards:**

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| * Drowning | * Exposure | * Pinch points | * Slipping |

**PPE Required: \*\*\*ALL PPE REQUIRED FOR CHAINSAW OPERATION PLUS THE FOLLOWING – (See City of Nanaimo Chainsaw Operation SWP)**

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| * PFD | * Gloves | * CSA safety Boots | * Chest or hip waders |
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**Pre Set-Up:**

* This is a two person procedure.
* If boat is on trailer, attach boat and trailer to vehicle, make sure hitch is in the locked position.
* Check/inspect boat and all fluid levels for boat operation ( Oil / Fuel )
* Make sure oars/oar locks are in boat; launch boat at appropriate launch site
* Caution when unlocking boat motor and lowering into water (pinch point)

**Procedure:**

* This task should not be undertaken in windy, rough water or inclement weather conditions.
* Basic inspection: motor out to log boom and individually check and inspect the status of each boom chain and boom chain hole.
* If boom chain has excessive ware, replace existing boom chain with new one.
* If boom chain hole shows excessive ware undo boom chains at either end of boom stick in question and tow to shore to install new hole.
* When at shore-line, secure boat and boom stick with rope to land point.
* This procedure will be performed standing in knee to thigh deep water, make sure that your standing area is flat and not slippery.
* With chain saw cut off section of boom stick with worn boom chain hole (approx. 2 feet of log).
* Install new boom chain hole with Chainsaw (Follow Safework Procedures for Chainsaw Operation)
* Undo boom stick from land point, tow boom stick back to location in boom.
* Reinstall boom chains to boom stick at appropriate location.

**Post Procedure/Take Down**

* Motor back to boat launch/tie up location.
* When back at shore pull up motor to locked position (be aware of pinch points).
* Pull boat out of water onto boat trailer.
* Replace boat to secure location.

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| **Revised: July 6, 2010** | **Approved by: Ritchie Fulla** |