

Coquitlam-Buntzen Water Use Plan

Monitoring Program Terms of Reference

- **COQMON#2 – Coquitlam Dam Flow Release Interim Ramping Rate Monitoring**

Addendum 1

February 9, 2009

A1 Preamble

This Coquitlam-Buntzen Water Use Plan (WUP) Monitoring Program Terms of Reference (TOR) Addendum is the second program wide addendum since original submission in 2005. The first December 2006 program wide TOR addendum was followed by three individual monitoring program TOR addendums in which Provincial; Comptroller of Water Right approval for the proposed TOR changes was received shortly after initial BC Hydro submission. The changes summarized here are threefold: those that have resulted from the extension to the review period necessitated by the delay in the implementation of Treatment 2 flow regime, those that have resulted from adaptive responses to monitoring studies, and increases in lead consultant rates inconsistent with available 2% annual inflation.

The original monitoring program includes a comparison of two flow releases to the Lower Coquitlam River. The second release ("Treatment 2"), a 9-year monthly-adjusted flow prescription, required that one of the low level outlets (LLO#3) be replaced due to dam safety concerns that the existing outlet was unsuitable for long-term use. The installation of the replacement valve was delayed due to delays in the completion of a previously scheduled seismic upgrade to the dam. Both projects are now complete and to accommodate the 9-year Treatment 2 commitment, the review period must be extended to 2017 from 2015 as originally agreed. An interim extension to 2016 has already been incorporated into the budget, and this addendum summarizes the final extension for this program due to the implementation delay.

TOR Addendums are reviewed and approved by the Coquitlam-Buntzen WUP Monitoring Committee prior to submission to the Comptroller of Water Rights (CWR) for formal integration into the Implementation Order for the Coquitlam-Buntzen WUP.

The following changes are detailed in this addendum:

- COQMON#2 – Coquitlam Dam Flow Release Interim Ramping Rate Monitoring: budget extension through 2017 to accommodate 9 years of monitoring of treatment 2.
- COQMON#3 – Lower Coquitlam River Fish Habitat Requirements Study: schedule change associated with Treatment 2 delay and associated minor amendment to capture fall 2008 spawning monitoring requirements, and budget extension to 2017.
- COQMON#4 – Assessment of Pink Salmon Passage in Lower Coquitlam River: schedule adjustment to confirm assessment initiation in 2007.
- COQMON#5 – Coquitlam River Periphyton and Benthic Invertebrate Monitoring: schedule change associated with Treatment 2 flow regime delay, budget change to include changing contractor rates, and budget extension to 2017.
- COQMON#6 - Lower Coquitlam River Temperature Monitoring: budget change to include additional field monitoring and reporting time in the final study year.
- COQMON#7 - Lower Coquitlam River Fish Productivity Index: budget increases to include the purchase/repair of smolt and fry traps, increased labour for annual trap installation and operation, and extension to 2017.
- COQMON#8 - Lower Coquitlam River Substrate Quality Assessment: minor correction to analytical report timing and budget extension to 2017

A2 Addendum to COQMON#2 – Coquitlam Dam Flow Release Interim Ramping Rate Monitoring

A2.1 Addendum Rationale

This addendum is the result of budget increases due to the extension of the review period to 2017 (see section A1 for details).

A2.2 Budget

The budget table below summarizes the study program costs, extended by 2 years from that originally submitted to the Comptroller of Water Rights in 2006, from 2015 to 2017.

Total	\$105,438
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