

## Addendum to Monitoring Program Terms of Reference for CLAMON-1 Aquatic Productivity

### A1.1 Rationale

A key uncertainty during the Clayton Falls WUP was whether discharge in Reach 2 of Clayton Falls Creek dropped to very low or zero discharge, which could negatively affect the aquatic community. Of particular concern was discharge downstream of the Clayton Falls during periods of low inflows to the headpond, or under various dam operations and maintenance. The extent of dam leakage and the reliability of discharge provided by water spilling over the flashboards (which is dependent on dam operations) were not known.

### A1.2 Revised Workplan

To reduce this uncertainty, discharge in Reach 2 of Clayton Falls Creek will be monitored using a staff gauge as well as measurements of wetted areas in the creek. The observations will occur opportunistically during periods of low discharge, such as during cold dry periods in the winter, and during planned drawdowns and subsequent refilling of the headpond. The timing of measurements will be based on observations of the weather, and communication with plant operators. Measurements will be made for the remaining year of monitoring.

A suitable location and methods for these discharge measurements will be determined on site. In addition to the discharge measurements, additional measurements of wetted area and water depth will be recorded in Reach 2 to characterize aquatic habitat.

### A1.3 Revised Deliverables

Given the sampling challenges experienced in the first year of the Clayton Falls Aquatic Productivity monitoring program (*reference Year 1 report*), data will be collected as discussed above in-lieu of “Task 1: Invertebrate abundance” and “Task 2: Invertebrate Community Diversity” of the original Terms of Reference (dated July 11 2005).

### A1.4 Revised Budget

	Total Forecast (LTD + Forecast)
Total	<b>\$27,302</b>