



**Duncan Dam Water Use Plan**

**Physical Works Terms of Reference**

**DDMWORKS-1 Argenta Slough Erosion Protection**

**Addendum 1  
October 24, 2018**

## **A1.0 Addendum to DDMWORKS-1**

### **A1.1 Background**

This Terms of Reference is submitted in response to the Order (File No. 76975-35/Duncan) issued by the Comptroller of Water Rights on 21 December 2007. The Order states that:

“5a) The licensee shall submit, within 9 months of the date of this order, for approval by the Comptroller, terms of reference for plans for erosion protection in Argenta Slough.”

The Consultative Committee had recommended this work to achieve habitat conservation in lieu of operational changes in Duncan Reservoir. The CC focused on the Argenta Slough downstream of the Reservoir because of the overall wildlife importance of the wetland. Moreover, the risks associated with the identified physical works in the reservoir were considered high compared to potential physical works in Argenta Slough. Accordingly, on January 23, 2008 we submitted to the Comptroller of Water Rights a Terms of Reference for DDMWORKS-1 Lower Duncan River Argenta Slough Erosion Protection.

### **A1.2 Rationale for Addendum**

Several feasibility assessments and options for protection of all or parts of the slough have been carried out over the term of the WUP. The report resulting from DDMWORKS-1, Ecological Inventory of Argenta Slough, summarized the ecological values in the Slough. Other reports evaluated physical works options: Argenta Slough Assessment Study (2013) and Argenta Slough Erosion Protection Assessment (2010). After analysing these reports, BC Hydro has concluded that attempting to prevent erosion of the river bank adjacent to Argenta Slough is not feasible because of land access issues, engineering complexity, and the risk of significant ecological impacts within Argenta Slough during the works.

BC Hydro has identified land acquisition in the area surrounding Argenta Slough as an alternative approach to achieving habitat conservation in lieu of operational changes. We propose making a targeted contribution to The Nature Trust to acquire a parcel of land with habitat of similar ecological value to Argenta Slough, and in an area of generally high conservation value.

### **A1.3 Budget**

Total Revised Program Cost \$666,697.