

July 31, 2023

Connie Chapman P.Ag.  
Director and Comptroller of Water Rights  
Ministry of Forests  
PO Box 9340 Stn Prov Govt  
Victoria, BC V8W 9M1

Dear Ms. Chapman:

**Re: Puntledge River Project Water Use Plan  
Monitoring Programs and Physical Works Annual Report 2023**

Your letters approving the Puntledge River Water Use Plan monitoring programs and physical works Terms of Reference state that BC Hydro is required to submit an annual report as well as individual monitoring program reports in July of each year. As per your approval email dated July 25, 2019, recognizing that PUNWORKS-1 Gravel Replacement in the Puntledge River was the only project left in implementation under the Puntledge River Water Use Plan, the annual report for 2023 is provided via this letter.

**PUNWORKS-1A Gravel Replacement in the Puntledge River**

This project was for the placement of approximately 2000 square metres of spawning gravel in the Puntledge River which was undertaken in consultation with agencies.

On November 3, 2020 BC Hydro received approval of Terms of Reference (TOR) Addendum 1 to proceed with to the alternative project site (Pad A), which is located on the Puntledge River just below Comox Dam. This was followed by a budget increase that was approved on July 23, 2021. The construction work was completed in September 2021. On May 31, 2023, we submitted the Completion Report for PUNWORKS-1A (renamed) and proposed the creation of PUNWORKS-1B Gravel Placement Inspections and Monitoring project to cover structural inspections of the site. The currently proposed project split between PUNWORKS-1A and PUNWORKS-1B is reflected in the financial table below. We plan to submit the Terms of Reference for PUNWORKS-1B in Fall of 2023.

The updated financial information is in Table 1 below.

**Table 1: Puntledge River WUP Monitoring Programs and Physical Works Costs**

Monitoring Programs	Costs approved by CWR	Life to Date Actuals (LTD)	Estimated to Complete (Forecast)	Total Forecast (LTD and Forecast)	Variance Total to Approved	Explanation	Corrective Action
<b>Puntledge WUP Annual Report</b>	\$6,978	\$5,281	\$0	\$5,281	\$1,696		
<b>PUNM01A Adult Fish Passage Mo</b>	\$355,431	\$321,459		\$321,459	\$33,972	Project complete	
PUNM01A Adult Fish Passage Mo - OR DM	\$58,961	\$52,080		\$52,080	\$6,881		
PUNM01A Adult Fish Passage Mo - OR Imp	\$296,470	\$269,379		\$269,379	\$27,091		
<b>PUNM02A Egg Incubation Assess</b>	\$100,962	\$95,351		\$95,351	\$5,611	Project complete	
PUNM02A Egg Incubation Assess - OR DM	\$20,862	\$16,891		\$16,891	\$4,771		
PUNM02A Egg Incubation Assess - OR Imp	\$80,100	\$79,259		\$79,259	\$841		
<b>PUNM03A Steelhead Production</b>	\$346,928	\$332,803		\$332,803	\$14,125	Project complete	
PUNM03A Steelhead Production - OR DM	\$70,228	\$61,401		\$61,401	\$8,827		
PUNM03A Steelhead Production - OR Imp	\$276,700	\$271,401		\$271,401	\$5,299		
<b>PUNM04A Stranding Assessment</b>	\$15,841	\$15,251		\$15,251	\$590	Project complete	
PUNM04A Stranding Assessment - OR DM	\$7,472	\$7,046		\$7,046	\$426		
PUNM04A Stranding Assessment - OR Imp	\$8,369	\$8,204		\$8,204	\$165		
<b>PUNM05A Kayak Cost Benefit - ONR</b>	\$64,094	\$65,058		\$65,058	(\$964)	Project complete	
PUNM05A Kayak Cost Benefit - ONR DM OS		\$7		\$7	(\$7)		
PUNM05A Kayak Cost Benefit - ONR Imp OS		\$957		\$957	(\$957)		
<b>PUNM05A Kayak Cost Benefit - OR</b>	\$64,094	\$64,094		\$64,094	(\$0)	Project complete	
PUNM05A Kayak Cost Benefit - OR DM	\$27,894	\$27,894		\$27,894	(\$0)		
PUNM05A Kayak Cost Benefit - OR Imp	\$36,200	\$36,200		\$36,200	(\$0)		
<b>PUNW01A Gravel Replacement</b>	\$771,589	\$702,035		\$702,035	\$69,554	Efficiency found during project implementation	
PUNW01A Gravel Replacement - OR DM	\$140,027	\$125,780		\$125,780	\$14,247		
PUNW01A Gravel Replacement - OR Imp	\$631,562	\$576,255		\$576,255	\$55,307		
<b>PUNW01B Gravel Placement Inspections and Monitoring OR</b>			\$54,054	\$54,054	(\$54,054)	For structural inspections	Terms of Reference to be submitted in Fall 2023.
PUNW01B - Gravel Placement Inspections and Monitoring OR DM			\$9,681	\$9,681	(\$9,681)		
PUNW01B - Gravel Placement Inspections and Monitoring OR Imp			\$44,373	\$44,373	(\$44,373)		
<b>PUNW01B Gravel Placement Inspections and Monitoring ONR</b>			\$94,225	\$94,225	(\$94,225)	For structural inspections beyond January 2025.	Terms of Reference to be submitted in Fall 2023 for forecast beyond period of remissions.
PUNW01B - Gravel Placement Inspections and Monitoring ONR DM			\$29,064	\$29,064	(\$29,064)		
PUNW01B - Gravel Placement Inspections and Monitoring ONR Imp			\$65,161	\$65,161	(\$65,161)		

OR - Ordered Remissible  
ONR - Ordered Non-Remissible

\* Red values in parentheses denote overage.

Should you have any questions please do not hesitate to contact me.

Regards,



Donald Reid, P.Geo., R.P.Bio.  
Manager, Water Program  
Phone: 604-528-1426 / Cellular: 604-813-8507  
Email: donald.reid@bchydro.com

Encl.

C:  
Shelley Moss, BC Hydro  
Jeff Walker, BC Hydro  
Manjit Kerr-Upal, Ministry of Environment  
Dan Sneep, Fisheries and Oceans Canada