

# Schedule B

## Table of Conditions:

# Narrows Inlet Hydro Project

**SCHEDULE B**  
**TABLE OF CONDITIONS**

**Interpretation**

In this Schedule:

(a) The phrase “to the satisfaction of” means, where it is used in relation to a document, that the Holder must provide a document, or any amendment to the document, to the reviewing entity referenced in the condition. That entity may: reject the document, or amendment, and require the Holder to resubmit it; or require the Holder to make changes to the document, or the amendment. If no such requirement is communicated to the Holder by the entity, the Holder need not obtain further approval of the document.

(b) Columns 3 to 6 (Timing, Application Section/Supporting Documents, Provincial Compliance Agencies, Subject), in the table below are for convenience of reference only, and do not form a part of the condition.

(c) The term “Qualified Professional” (QP) means a person who has training, experience and expertise in a discipline relevant to the field of practice set out in the condition, and who is registered with the appropriate professional organization in British Columbia, is acting under that organization's code of ethics and is subject to disciplinary action by that organization.

No.	Condition	Timing	Application Section or Supporting Documents	Provincial Compliance Agencies	Subject
1	<p>Prior to vegetation clearing, the Holder must:</p> <ul style="list-style-type: none"> <li>(a) identify high suitability goshawk habitat by using habitat suitability models following Inventory Methods for Raptors (Resource Inventory committee, 2001) and by using a qualified professional (QP);</li> <li>(b) undertake goshawk nest surveys in all identified high quality habitat using a QP;</li> <li>(c) maintain an area of undisturbed forest surrounding all active and alternate nest sites within an identified breeding area determined by the Ministry of Forests, Lands and Natural Resource Operations (FLNR); and</li> <li>(d) implement suitable habitat replacement for any high suitability goshawk habitat that is proposed to be cleared, prior to undertaking clearing of or construction to the satisfaction of FLNR.</li> </ul> <p>The Holder may not conduct harvesting of trees during nesting season in the area referred to in paragraph (c).</p>	Pre-Construction Construction	Application Volume I, Sections 2.4.1.2, 6.6.4.1.5, 6.7.4.1.5, 6.8.4.1.4, 6.9.4.1.4, 6.10.4.1.4, 6.11.4.1.3, 6.14.4.1.4, 6.15.4.1.3, 11.3.5, 12.3.5, 13.3.5, 14.3.5, 15.3.5, 16.3.5, 17.3.4 and 18.3.3.5	EAO FLNR	Northern Goshawk Monitoring
2	Prior to starting construction on the Ramona Lake component, the Holder must:	Pre-Construction Construction	Application Volume I, Sections 6.9.4.1.2, 6.10.4.1.2 and 14.3.4	EAO FLNR	Wildlife Monitoring

No.	Condition	Timing	Application Section or Supporting Documents	Provincial Compliance Agencies	Subject
	<p>(a) determine the habitat for aquatic breeding salamanders using a QP;</p> <p>(b) evaluate the risk of egg-mass stranding resulting from lake drawdown during the period from egg-laying to hatching for that area using a QP;</p> <p>(c) submit a report to FLNR documenting habitat quantity and quality for salamanders, and potential habitat loss resulting from lake drawdown and lake surcharge;</p> <p>(d) submit a report to FLNR documenting risk of egg-mass mortality and related population-level impacts from project operations; and</p> <p>(e) develop and implement a compensation plan for the loss of high quality habitat for aquatic breeding salamanders, and for impacts from egg-mass mortality. The plan, including any proposed changes, must be prepared and implemented to the satisfaction of FLNR.</p>				
3	<p>Prior to commencing construction of the Lower Ramona components, the Holder must provide to EAO a Marine Sensitivity Blasting Management Plan for the Lower Ramona area focussed on marine organisms that are sensitive to blasting noise and disruption in Narrows Inlet.</p> <p>The plan must follow the guidelines in the Holder's Ecosystem Dynamics Inc. letter report (Marine Issues Responses) dated September 26, 2013.</p>	Pre-Construction Construction	<p>Application Volume I, Sections 6.10.5, 14.4 and 22.2.8</p> <p>Ecosystem Dynamics Inc. letter report (Marine Issues Responses) dated September 26, 2013</p>	EAO	Wildlife Monitoring

No.	Condition	Timing	Application Section or Supporting Documents	Provincial Compliance Agencies	Subject
	<p>The plan, including any proposed changes, must be prepared and implemented to the satisfaction of EAO.</p>				
4	<p>The Holder must retain the services of an Independent Environmental Monitor (IEM), with demonstrated experience and knowledge of environmental monitoring for construction projects in BC, commencing three months prior to construction, throughout the construction and decommissioning phases.</p> <p>The IEM must monitor compliance with the Construction Environmental Management Plan (CEMP) plans in Condition 11. The IEM must also review, evaluate and report to the Holder the effects of Project activities and effectiveness of the mitigation measures specified in the plans, and compliance with the conditions with the EA Certificate and other regulatory permits, approvals and authorizations that apply.</p> <p>If during monitoring, the IEM observes that mitigation measures are ineffective; the IEM must make recommendations for further mitigation measures to be implemented. The Holder must, in writing, permit the IEM to halt work if environmental monitoring indicates that there is a current or imminent impact to the environment that has not been approved as part of the Certified Project Description (CPD) or other regulatory</p>	Pre-Construction Construction Decommissioning	N/A	EAO FLNR	Monitoring and Compliance Enforcement

No.	Condition	Timing	Application Section or Supporting Documents	Provincial Compliance Agencies	Subject
	permits, approvals or authorizations that apply. The IEM must document the mitigation measures that have been implemented and their effectiveness and provide summary recommendations to EAO and FLNR and interested First Nations ( <i>shíshálh</i> Nation), on an annual basis during the construction and decommissioning phases of the Project.				
5	<p>The Holder must:</p> <p>(a) act in accordance with the BC Hydro document entitled: <i>Approved Work Practices for Routine Electrical Cable Maintenance in Freshwater and Marine Coastal Areas</i> in the Interconnection area of Sechelt Inlet as specified in the CPD; and</p> <p>(b) lay cable only within the period Dec. 1 – Feb. 15, unless written authorization is provided by the Department of Fisheries and Oceans (DFO).</p>	Construction	<p>Application Volume I, Sections 2.3.6 and 2.4.2.6</p> <p>BC Hydro document entitled: <i>Approved Work Practices for Routine Electrical Cable Maintenance in Freshwater and Marine Coastal Areas</i></p>	EAO	Marine Fauna
6	<p>The Holder must communicate information to the public on the status of the Project in order to provide public awareness of ongoing activities and construction schedules and to ensure general safety in and surrounding the Project area. The Holder must set up a public web site and notify the general public of the existence of the website through advertisements in local newspapers. The Holder must post the following to the website:</p> <ul style="list-style-type: none"> <li>• construction schedule and list of activities during construction and the locations;</li> </ul>	Pre-Construction Construction Operations Decommissioning	Application Volume I, Sections 19.2.3, 19.2.4, 19.2.5 and 19.2.6	EAO	Information Management

No.	Condition	Timing	Application Section or Supporting Documents	Provincial Compliance Agencies	Subject
	<ul style="list-style-type: none"> <li>• final plans required under the CEMP; and</li> <li>• results of studies conducted prior to and during construction.</li> </ul> <p>The Holder must also communicate in writing with the Narrows Inlet Users Group regarding timing of activities related to the construction of the powerhouse, transmission line and other infrastructure in the Lower Ramona Creek area.</p> <p>If, for safety reasons, road or trail access must be restricted during the construction phase, the Holder must provide written notice to Ramona Creek and Doriston property owners and the Narrows Inlet Users Group. Notification must be provided on the public web site and placed at entry/exit points to all roads and trails that are to be restricted no less than 14 days in advance of access restriction.</p>				
7	The Holder must develop and maintain access to a protected File Transfer Protocol (FTP) site or equivalent protected medium containing all Project reports and documents identified in the Table of Conditions and allow access to FLNR, EAO, DFO and other parties as required by EAO. The FTP site must be in place prior to commencing construction and remain during operations through to decommissioning.	Pre-Construction Construction Operations Decommissioning	N/A	EAO FLNR	Water Quality Monitoring
8	The Holder must conduct a study to determine:	Pre-Construction	Section FID1 of Supplemental report	EAO FLNR	Water Quality Monitoring

No.	Condition	Timing	Application Section or Supporting Documents	Provincial Compliance Agencies	Subject
	<p>(a) whether elevated methyl mercury (MeHg) levels relative to background are found in sediment/soils surrounding Ramona Lake (including organic soils in the northern tributary to Ramona Lake in areas that will be flooded);</p> <p>(b) the potential MeHg pathways into Ramona Lake; and</p> <p>(c) whether flooding of Ramona Lake could lead to the release of MeHg into Ramona Lake.</p> <p>The study must be conducted by a laboratory with capacity to do sediment and soil analysis. The interpretation of results with respect to pathways and consequences for Ramona Lake must be conducted by a QP.</p> <p>Prior to commencing construction of the Ramona Lake component of the Project, the Holder must submit the study to FLNR, EAO and the <i>shishálh</i> Nation unless they provide written notice to the Holder that this is unnecessary.</p> <p>If the study concludes that:</p> <ul style="list-style-type: none"> <li>• there are elevated MeHg levels in the sediments and soil that would be flooded;</li> <li>• there are potential pathways for MeHg to enter Ramona Lake; and</li> <li>• flooding could lead to mercury concentrations in Ramona Lake higher than those set out in Health Canada Standards for</li> </ul>		submitted July 2013		

No.	Condition	Timing	Application Section or Supporting Documents	Provincial Compliance Agencies	Subject
	<p>Canadian Drinking Water Quality,</p> <p>Then the Holder must not construct the weir or flood Ramona Lake.</p>				
9	<p>The Holder must:</p> <p>(a) conduct two radar surveys (one horizontal and one vertical) with associated audio visual surveys, conducted by a QP, at the head of Narrows Inlet. Survey methods must be conducted according to Inventory Methods for Marbled Murrelet Radar Surveys (Resource Inventory Committee (2006)) or as set out in the Nesting and Migratory Bird Protection Plan in the CEMP as required in Condition 11;</p> <p>(b) prepare a report by a QP using the results from these surveys with recommendations for mitigation requirements, including design changes to transmission line heights or bird diverters and monitoring of effectiveness of mitigation; and</p> <p>(c) implement recommendations from (b) above to the satisfaction of FLNR.</p>	Pre-Construction Construction	Application Volume I, Sections 11.3.5.5 and 15.3.5.5	EAO FLNR	Wildlife Mitigation
10	Following the completion of construction, a QP retained by the Holder must review all temporary access roads and bridges, and all roads within 500 m of Goat Winter Range, and recommend the appropriate level of deactivation. The QP must consult with active logging companies in the area	Post Construction	Application Volume I, Sections 2.7 and 14.3.6	EAO FLNR	Temporary Road Deactivation

No.	Condition	Timing	Application Section or Supporting Documents	Provincial Compliance Agencies	Subject
	<p>before making his or her recommendation. The QP must then prepare and implement site specific deactivation plans to the satisfaction of FLNR.</p> <p>The QP must oversee the deactivation, and provide FLNR with an opinion report confirming if the deactivation has been completed in accordance with the plans.</p>				
11.1	<p>The Holder must minimize construction impacts by developing, submitting and adhering to a CEMP as detailed in Volume 1: section 22.2 of the Holder's Application for an EA Certificate.</p> <p>The CEMP, and any amendments to it, must be prepared and implemented to the satisfaction of EAO and FLNR.</p> <p>The Holder must provide this draft CEMP to <i>shishálh</i> Nation for review a minimum of 90 days prior to the planned commencement of construction.</p> <p>The Holder must provide the updated CEMP to EAO, FLNR, and shishalh Nation within 30 days of the commencement of construction.</p> <p>The Holder must implement the CEMP and adhere to the requirements of all component plans.</p>	Pre-Construction Construction	Application Volume I, Section 22.2 and Volume II, Appendix 16	EAO FLNR	Construction Environmental Management Plan

No.	Condition	Timing	Application Section or Supporting Documents	Provincial Compliance Agencies	Subject
11.2	<p>The CEMP must include the requirement that, prior to starting construction in any area, a QP must complete surveys using methodology (i.e. survey design including but not limited to considerations for seasonal and weather conditions, and localized conditions), as determined by the QP, and approved by FLNR, to detect the following species (should they occur) within the area proposed for construction:</p> <ul style="list-style-type: none"> <li>• Oregon forest snail and Pacific sideband snail;</li> <li>• Red legged frog and western toad; and</li> <li>• Rare plants and ecosystem as identified from Species at Risk Act, and red and blue listed species.</li> </ul> <p>If these species and ecosystems are found within an area of the project footprint that would be subject to clearing or other disturbances, the QP will indicate which mitigation measures outlined in the environmental protection plans, as part of the CEMP, will be implemented. The results of the surveys and applied actions will be reported in the weekly IEM reports. If the actions identified by the QP require localized project redesign or were not previously identified in the CEMP, then approval from FLNR will be required prior to implementation.</p> <p>The <i>shishálh</i> Nation must be provided with copies of draft and final plans.</p>	Pre-Construction Construction	Application Volume I, Section 22.2 and Volume II, Appendix 16	EAO FLNR	Construction Environmental Management Plan
12	The Holder must submit an Operational Parameters	Prior to Operation	Application Volume I,	EAO	Operational

No.	Condition	Timing	Application Section or Supporting Documents	Provincial Compliance Agencies	Subject
	<p>and Procedures report (OPPR) and an Operational Environmental Monitoring Plan (OEMP) considering each Project hydroelectric component as listed in the CPD, Table of Contents, to EAO and FLNR, at least 30 days prior to commissioning. The plans included within the OPPR and OEMP must:</p> <ul style="list-style-type: none"> <li>• be specific to the Project component(s);</li> <li>• adhere to the FLNRO “Operating Parameters and Procedures Template [DRAFT] 2013”, and the DFO guidelines, “Long term Aquatic Monitoring Protocols for New and Upgraded Hydroelectric Projects, 2013”, or as replaced or amended from time to time; and</li> <li>• be developed and implemented to the satisfaction of EAO and FLNR.</li> </ul> <p>The OPPR must include a requirement to measure instream flows every 15 minutes throughout Operations. The OPPR must also document mitigation measures to be followed during routine maintenance activities, and to minimize environmental effects associated with the operation of the Project (including those arising from malfunctions and accidents).</p> <p>The Holder must provide the draft OPPR and OEMP to FLNR and Shishalh Nation for review a minimum of 30 days prior to the commencement of commissioning, unless written notice is provided to</p>		Section 22.3	FLNR	Parameters and Operational Environmental Monitoring plan

No.	Condition	Timing	Application Section or Supporting Documents	Provincial Compliance Agencies	Subject
	<p>the Holder advising that this provision is unnecessary.</p> <p>The Holder must provide the updated OPPR and OEMP to EAO, FLNR, and shishalh Nation a minimum of 30 days prior to the commencement of operations unless written notice is provided to the Holder advising that this provision is unnecessary.</p>				
13	<p>Prior to the start of construction the Holder must complete and implement a Noise and Sensory Disturbance Management Plan as described in Volume 1: section 22.2.8 of the Holder's Application for an EA Certificate.</p> <p>The Holder must ensure that sound levels at the Lower Ramona powerhouse do not exceed BC Oil and Gas Commission guidance for permissible sound levels in rural areas<sup>1</sup> by incorporating the following noise abatement mitigation in the design of the powerhouse as determined by a QP:</p> <ul style="list-style-type: none"> <li>• acoustical louvres on the powerhouse;</li> <li>• double curtain wall on the tailrace;</li> <li>• ventilation to allow doors to be closed;</li> <li>• partial underground embedment of the powerhouse; and</li> <li>• constructing tailrace orientation away from private properties.</li> </ul>	Pre-Construction Construction Operations	Application Volume I, Section 10.1	EAO	Noise Mitigation
14	The Holder may only draw down Ramona Lake in	Operations	Application Volume I,	EAO	Water Quality

<sup>1</sup> The Oil and Gas Commission's *British Columbia Noise Control Best Practices Guideline* (March 2009).

No.	Condition	Timing	Application Section or Supporting Documents	Provincial Compliance Agencies	Subject						
	<p>accordance with the following conditions:</p> <p>(a) the maximum daily drawdown is less than or equal to 1 m/day;</p> <p>(b) subject to paragraph (c), lake drawdown must be conducted in order to allow lake levels to be at the following levels during the listed year of operations:</p> <table border="1" data-bbox="201 581 850 873"> <thead> <tr> <th data-bbox="201 581 359 621">Year</th> <th data-bbox="359 581 850 621">Drawdown Level</th> </tr> </thead> <tbody> <tr> <td data-bbox="201 621 359 764">1</td> <td data-bbox="359 621 850 764">(i) above 1361 m above sea level (masl) on October 1st; and (ii) not less than 1353 masl for the remainder of that year.</td> </tr> <tr> <td data-bbox="201 764 359 873">2</td> <td data-bbox="359 764 850 873">A maximum lake drawdown of 16 m from the natural lake level which is to be determined in year 1.</td> </tr> </tbody> </table> <p>(c) in years 3 and following, no incremental lake drawdown may be conducted unless approved by FLNR and the maximum drawdown for Ramona Lake must not exceed 45 m; and</p> <p>(d) the Holder must not draw down Ramona Lake if at any time the total suspended solids (TSS) values measured at the outlet monitoring points specified below in Condition 15 exceed site-specific water quality guidelines for freshwater aquatic life (BC Water Quality Guidelines).</p>	Year	Drawdown Level	1	(i) above 1361 m above sea level (masl) on October 1st; and (ii) not less than 1353 masl for the remainder of that year.	2	A maximum lake drawdown of 16 m from the natural lake level which is to be determined in year 1.		Sections 2.5.2.4 and 14.2.2	FLNR	
Year	Drawdown Level										
1	(i) above 1361 m above sea level (masl) on October 1st; and (ii) not less than 1353 masl for the remainder of that year.										
2	A maximum lake drawdown of 16 m from the natural lake level which is to be determined in year 1.										
15	The Holder must develop and implement a water quality and lake level monitoring program at Ramona Lake to the satisfaction of FLNR. All monitoring instrumentation associated with this program must be installed and be operational prior	Prior to Operations Operations	Application Volume I, Sections 2.5.2.4 and 14.2.2	EAO FLNR	Water Quality						

No.	Condition	Timing	Application Section or Supporting Documents	Provincial Compliance Agencies	Subject
	<p>to the start of operations. The water quality parameters must include temperature, TSS and nutrients. The monitoring program must include the following:</p> <ul style="list-style-type: none"> <li>• at least one water quality monitoring station at the Upper Ramona tailrace, and one station at the Ramona Lake outlet;</li> <li>• the frequency and location of temperature and nutrient monitoring must be determined by a QP;</li> <li>• at least one lake level monitoring station in Ramona Lake at the Lake pump/intake structure;</li> <li>• a minimum turbidity monitoring frequency of every 30 minutes;</li> <li>• a minimum lake level monitoring frequency of every 1 hour; and</li> <li>• turbidity trigger levels at which operational responses (to be specified by FLNR) and supplemental TSS sampling are carried out.</li> </ul> <p>The Holder must maintain a website, accessible to FLNR staff, showing turbidity and lake level data. The data must be posted to the website within 24 hours of collection.</p>				
16	<p>Unless otherwise authorized by FLNR, the Holder must design and construct the pumping system for Ramona Lake based on contingencies described in the letter of November 14, 2013, from the Holder to EAO to maintain IFR flows in Ramona Creek.</p>	<p>Pre-Construction Construction Operations</p>	<p>Application Volume I, Section 2.5.2.4</p> <p>Letter dated November 14, 2013,</p>	<p>EAO FLNR</p>	<p>Fish Mitigation</p>

No.	Condition	Timing	Application Section or Supporting Documents	Provincial Compliance Agencies	Subject
			from the Holder to EAO		
17	<p>The Holder must:</p> <ul style="list-style-type: none"> <li>(a) develop and implement a fish habitat compensation plan (plan) for the Chickwat Creek facility to the satisfaction of DFO and FLNR;</li> <li>(b) provide FLNR and EAO with copies of the plan; and</li> <li>(c) provide any proposed changes to the plan to DFO and FLNR for review. Changes to the plan must be implemented to the satisfaction of DFO and FLNR. Provide any proposed changes to the plan to DFO and FLNR for review. Changes to the plan must be implemented to the satisfaction of DFO and FLNR.</li> </ul>	Prior to Operations	Application Volume I, Sections 11.2 and Volume II, Appendix 59	EAO FLNR	Fish Mitigation
18	The Holder must ensure that the tailraces that are part of the Project prevent fish access or fish stranding during low water levels.	Pre-Construction Construction Operations	N/A	EAO FLNR	Fish Mitigation
19	The Holder must adhere to <i>Fisheries and Oceans Canada Flow Ramping Study: Study of Flow Ramping Rates for Hydropower Developments, Knight Piesold, 2005</i> , unless otherwise authorized by FNLNR.	Prior to Operations Operations	<p>Application Volume I, Sections 2.5.2.1, 2.5.2.4 and 2.5.2.5.</p> <p>Fisheries and Oceans Canada Flow Ramping Study: Study of Flow Ramping Rates for Hydropower Developments, Knight</p>	EAO FLNR	Fish Mitigation

No.	Condition	Timing	Application Section or Supporting Documents	Provincial Compliance Agencies	Subject
			Piesold, 2005		
20	<p>During Project operations, the Holder must maintain at least the following IFRs and diversion rates during the periods specified below, as measured below the point of diversion:</p> <p><u>Chickwat Creek:</u></p> <p>IFR: 0.61CMS from April 1 to July 31  0.44 CMS Oct 17 to Nov 17  0.32 CMS for the rest of the year  Maximum Rate of Diversion: 7.1 CMS</p> <p><u>Upper Ramona Creek:</u></p> <p>IFR: 0.03 CMS  Maximum Rate of Diversion: 2.0 CMS</p> <p><u>Lower Ramona Creek:</u></p> <p>IFR: 0.12 CMS  Maximum Rate of Diversion: 3.7 CMS</p> <p>The Holder must cease diverting water (in the case of Chickwat Creek) or pumping water (in the case of upper and lower Ramona Creeks) if it is unable to maintain the minimum IFR. If minimum IFR is not maintained, the Holder must report this to DFO, FLNR and EAO within 24 hours.</p> <p>The Holder must not divert water at a rate greater</p>	Operations	Application Volume I, Sections 2.5.2.1, 2.5.2.4 and 2.5.2.5	EAO FLNR	Fish Mitigation

No.	Condition	Timing	Application Section or Supporting Documents	Provincial Compliance Agencies	Subject
	<p>than the maximum rate of diversion set out above during operations and commissioning. If the Holder diverts water greater than the maximum rate, the Holder must advise DFO and FLNR within 24 hours of the diversion and mitigate effects as required by EAO, DFO or FLNR.</p>				
21	<p>The Holder must construct and monitor the effectiveness of a fish passage structure at the Chickwat Intake, to ensure upstream and downstream fish passage. The fish passage structure must allow the upstream and downstream movement of adult Dolly Varden char.</p>	Pre-Construction Operations	Application Volume I, Sections 11.2 and Section 24, Table 24-1	EAO FLNR	Fish Mitigation
22	<p>The Holder must design and implement a study (Before-After Control-Impact Study) (BACI) for coastal tailed frog (CTF) in Ramona Creek. This study, intended to measure any effects post-construction, must be designed and conducted by a QP and be consistent with the recommended methods of general program design outlined in Appendix A of the “Guidelines for the Collection and Analysis of Fish and Fish Habitat Data for the Purpose of Assessing Impacts from Small Hydropower Projects in British Columbia” or as may be replaced or amended from time to time. This study must follow the study design and methods outlined in the Upper and Lower Ramona OEMP. The program must include the following:</p> <ul style="list-style-type: none"> <li>• BACI design;</li> <li>• power analysis which meets the specified statistical criteria in Appendix A of the “Guidelines</li> </ul>	Pre-Construction Construction Operations	Application Volume I, Sections 11.3.4, 14.3.4, 15.3.4, 16.3.4 and 17.3.3	EAO FLNR	Wildlife Monitoring

No.	Condition	Timing	Application Section or Supporting Documents	Provincial Compliance Agencies	Subject
	<p>for the Collection and Analysis of Fish and Fish Habitat Data for the Purpose of Assessing impacts from Small Hydropower Projects in BC”, or as may be replaced or amended from time to time;</p> <ul style="list-style-type: none"> <li>• estimates of habitat variables causing any observed changes to tadpole population;</li> <li>• a minimum of one year of baseline monitoring prior to any construction in Ramona Creek and five years of post-construction monitoring in Ramona Creek;</li> <li>• CTF surveys to be completed within 30m of diversion reaches in Ramona Creek;</li> <li>• identification of stream reaches where the Project may impact CTF;</li> <li>• collection and transplanting of CTF to undisturbed habitat in potential impact areas prior to disturbance; and</li> <li>• measures to avoid or mitigate any confirmed statistically significant impacts of the Project on CTF populations or habitat.</li> </ul> <p>The Holder must implement the mitigation measures identified in the program to the satisfaction of FLNR.</p>				
23	<p>Prior to commencing construction, the Proponent must enter into a contribution agreement with FLNR, in the amount of \$75,000 distributed over 5 years, to support a provincial regional grizzly bear monitoring program to assess grizzly bear habitat use and movement in the Tzoonie River Valley. Once</p>	Pre-Construction Construction Operations	Section WSS1 of Supplemental report submitted June 7, 2013	EAO FLNR	Wildlife Monitoring and Mitigation

No.	Condition	Timing	Application Section or Supporting Documents	Provincial Compliance Agencies	Subject
	<p>complete, the results of the monitoring program, including identified mitigations, such as road closures, must be incorporated into an updated version of the project Human-Bear Conflict Management Plan specified as a requirement of the OEMP under Condition 11. The updated Human-Bear Conflict Management Plan must be provided to the <i>shishálh</i> Nation unless they advise the Holder in writing that this is unnecessary.</p>				
24	<p>Prior to the operation of the Chickwat Creek powerhouse, the Holder must do one of the following two things with respect to the anadromous Reach in Chickwat Creek as identified in the “Analysis of the Effects of Upstream Pumping of IFR – Chickwat Creek” (Ecofish, July, 2013):</p> <ol style="list-style-type: none"> <li>1. provide compensation as per DFO compensation guidelines<sup>2</sup>;</li> <li>2. initiate the pumping proposal of 4 cms from the tailrace to the location set out in the report entitled “Analysis of the Effect of Upstream Pumping of IFR - Chickwat Creek” (Ecofish, July, 2013).</li> </ol> <p>The implementation of either 1 or 2 must be to the satisfaction of FLNR or DFO.</p>	Prior to Operations	Section FID2 and FID3 of Supplemental report submitted May 16, 2013 and July 4, 2013	EAO FLNR	Fish Mitigation

<sup>2</sup> DFO Guide: An Application Guide to Submitting an Application for Authorization under Paragraph 35(2)(b) of the *Fisheries Act* - see guide for submitting an “offsetting plan”.

No.	Condition	Timing	Application Section or Supporting Documents	Provincial Compliance Agencies	Subject
25	<p>The Holder must design and implement a study using a QP to assess the effects of low stream flows affecting stream connectivity on macro invertebrate survival in Ramona and Chickwat Creeks by doing the following:</p> <ul style="list-style-type: none"> <li>• determine sites in Ramona and Chickwat Creeks sensitive to low flow effects on macroinvertebrate habitat;</li> <li>• monitor these sensitive sites for loss of macroinvertebrate habitat at low flow conditions created when intake and powerhouse systems are tested during start up conditions;</li> <li>• if there is a potential for loss of macroinvertebrate habitat created under low flow conditions, the Holder must note the locations and flows and extent of invertebrate losses predicted and report these to FLNR;</li> <li>• if effects are noted, the Holder must increase flows to reduce effects on macroinvertebrate habitat or provide compensation as required by the OPPR; and</li> <li>• the Holder must prepare and implement an adaptive management plan, including any proposed changes, to the satisfaction of FLNR and EAO to address seasonal effects of low flows on macroinvertebrate habitat proposing a combination of flow augmentation and/or compensation.</li> </ul>	Prior to Operations	Section FID6 of Supplemental report submitted June 10, 2013	EAO FLNR	Fish Monitoring and Mitigation

No.	Condition	Timing	Application Section or Supporting Documents	Provincial Compliance Agencies	Subject
26	<p>(a) At least one year prior to the end of Project operations, the Holder must submit a Decommissioning and Abandonment Plan to EAO and FLNR for review;</p> <p>(b) the plan must identify how each Project component will be assessed to determine which components should be removed to sustain natural aquatic and terrestrial ecosystem functions; and</p> <p>(c) the Plan must include details about the type and extent of decommissioning required for the following components:</p> <ul style="list-style-type: none"> <li>• full or partial removal of instream works associated with the intake and tailrace;</li> <li>• full or partial removal of salvageable components, equipment and materials from the intake, powerhouse, switchyard and ancillary facilities;</li> <li>• permanent closure of the penstock at all access points;</li> <li>• full or partial removal of above ground transmission lines;</li> <li>• full or partial removal of submerged transmission line;</li> <li>• closure of all private access roads; and</li> <li>• reclamation of all disturbed areas where such activities are consistent with paragraph (a).</li> </ul> <p>A draft plan, and any proposed changes, must be forwarded to EAO, identified federal and provincial agencies and <i>shíshálh</i> Nation for review and</p>	Decommissioning			Decommissioning Plan

No.	Condition	Timing	Application Section or Supporting Documents	Provincial Compliance Agencies	Subject
	comment. The Holder must prepare and implement the Decommissioning and Abandonment Plan to the satisfaction of EAO and FLNR.				