

**Cohen Commission****Inventory of Integrated Planning Initiatives and Intergovernmental Cooperation Processes the Habitat Management Program Supports**

The following is a list of various cooperative and planning initiatives engaged in by DFO's Habitat Management Program in Pacific Region. Some processes are specific to all or a portion of the Fraser Basin, while others relate to other geographic areas or are provincial in scope.

<b>Process Title</b>	<b>Purpose</b>
Nicola Water Use Management Plan	Intergovernmental process for the development and operation of a water use and management plan for the Nicola Basin.
Shuswap Lake Integrated Planning Process	Multi agency initiative to coordinate between 4 levels of government, public groups and local politicians to provide better overall management of development, water quality, recreation and enforcement. Driven in large part by a complicated regulatory environment including significant regulatory gaps.
City of Vernon Environmental Review Committee	Development Review committee between DFO, Province and City of Vernon to review development plans within City limits.
Thompson Region Referral Committee	Longstanding coordination committee between DFO, Provincial Ecosystem and Water Management for the review and management of Water Act Development referrals.
Drought Management Committee	Provincial and Regional committees to coordinate drought events throughout BC to manage for impacts to fish and other water users.
Shuswap lake Foreshore Mapping and Inventory Initiative	Development of a mapping and inventory for all of Shuswap Lake. Leading to creation of development standards for the lakeshore. The process is extending into the Shuswap River, Mabel Lake and Okanagan
Riparian Areas Regulation (RAR) Committees	Working groups between the Province, DFO and UBCM to coordinate the implementation and management of the Riparian Areas Regulation. As far as the Fraser Basin is concerned this regulation applies in the Fraser Valley, Greater Metro Vancouver and Thompson-Nicola Regional Districts
RAR Steering Committee	Regional Director level committee of DFO , MOE and UBCM that is responsible for implementation of RAR and addressing intergovernmental concerns/issues identified during implementation
RAR Coordinating Committee	Manager level committee of DFO/MOE that implements RAR and resolves local implementation issues as they arise
Water Act Modernisation	DFO Science, Habitat and Policy participation in a number of interagency policy and technical WG's focused on updating of the Province's Water Act, including consideration of fisheries values in licencing and water use.
Okanagan Fish Water Management Tool	Cooperatively managed modeling tool to balance and trade off needs of various groups and agencies related to water and fish management in the lower Okanagan.
East Kootenay Integrated Lake	Development of an overall plan for management of East



Management Partnership	Kootenay recreational lake, including development and use standards.
BC Hydro Bridge Coastal Fish and Wildlife Restoration Program (BCRP)	An inter-agency & 1 <sup>st</sup> nation & public program to plan and implement habitat restoration activities to mitigate historical hydro related impacts. Supported by and Annual BC Hydro fund g
BC Hydro – Water Use Planning	Plans acceptable to DFO, Province, First Nations and BC Hydro for operations of BC Hydro facilities. Numerous sub groups for specific purposes.
BC Hydro - Fish , Wildlife and Hydro Policy Committee	Director level committee focused on promoting stewardship and coordinating or resolving environmental issues of interest to all parties in a timely and transparent manner
BC Hydro - Fish/Hydro Management Committee	Manager level committee focused on implementing mitigation, research, stewardship and monitoring programs and minimizing conflicts between hydro operations and fish and fish habitat
Okanagan Basin Technical Working Group	Coordination between federal, provincial, US agencies and First nations on management of fish and water throughout the Okanagan Basin.
Forest and Range Practices Act (FRPA) – Resource Evaluation Program (FREP)	HMU staff will be training with and providing field support for Resource Stewardship Monitoring –Evaluating the Condition of Streams and Riparian Management Areas, as part of a multi-agency program to evaluate practices under FRPA and whether they are meeting their sustainability objectives.
The Canadian Aquatic Bio-monitoring Network (CABIN) –National bio-monitoring program developed by Environment Canada	Cabin has been adopted into British Columbia's Provincial Bio-monitoring Program. HMU will be using and evaluating the CABIN field protocols for assessing aquatic ecosystem condition in coordination with provincial staff from the BC Ministry of Environment Bio-monitoring Program.
Horsefly Fisheries Sensitive Watershed designation project	Collaboration between DFO and BC MNRO. Assessment of watershed hydrology and stream temperature conditions in relation to important fisheries resources. Results will be used to designate watersheds under BC <i>Forest and Range Practices Act</i> and provide sub-basin resource development plans to protect fish and fish habitat.
Horsefly and Quesnel Lakes foreshore mapping and inventory project	Development of a mapping and inventory for Horsefly and Quesnel Lakes. Leading to creation of development standards for the lakeshore.
UNBC Landscape Ecology Advisory Committee	Provide advice for research activities that would support local resource management issues.
Horsefly Roundtable	DFO, Province, First Nations, NGO, local Gov't, and industry working group that engages in watershed-based fish sustainability planning, coordinated restoration planning, local salmon festivals and provides advice to resource development issues.
North East Mine Development Review Committee	Working group between DFO, other Federal Dept's, Province and First Nations to provide regulatory input to mine development plans in the North East area of BC.
North West Mine Development Review Committee	Working group between DFO, other Federal Dept's, Province and First Nations to provide regulatory input to mine development plans in the North West area of BC.
Ominica Mine Development Review	Working group between DFO, other Federal Dept's,



Committee	Province and First Nations to provide regulatory input to mine development plans in the Ominica area of BC.
City of Prince George Memorandum of Understanding (MoU)	Agreement between DFO and City of Prince George that outlines objectives, standards and review process for development plans within City limits.
BC Oil and Gas Commission MoU	Agreement between DFO and OGC that outlines objectives, standard, communication, training and review process for oil and gas development in NE BC.
Public Works and Government Services of Canada MoU	Agreement between DFO and PWGSC that outlines objectives, standards, communication and review process for road maintenance and upgrade projects along the Alaska Highway in BC.
Nechako Watershed Council	The NWC was established to help resolve long-standing issues related to water management in the Nechako River. As an observer, DFO regularly attended sessions to provide information to the council members, particularly with respect to the potential implications to sockeye salmon associated with their evaluation of the efficacy of constructing a cold water release facility.
Nechako Fisheries Conservation Program	DFO, Rio Tinto Alcan and the Province jointly administer the implementation of a comprehensive program of monitoring, research and, if required, remedial measures to conserve the chinook salmon that use the Nechako River year-round and sockeye salmon that migrate through the Nechako to tributaries systems.
Nechako White Sturgeon Recovery Initiative	The NWSRI is a multi-stakeholder group responsible for identifying the reasons why white sturgeon are no longer successfully spawning and surviving in the Nechako watershed, and for the design and implementation of habitat protection, restoration and management options
Fish-Stream Culvert Assessments	Cooperation with Province to assess fish passage and prioritize for rehabilitation forestry roads culverts in Prince George Forest District. Subsequently expanded to all of BC.
BC biodiversity mitigation/offsetting policy WG	Policy and Technical WG of BC Ministries of Environment; Natural Resource Operations; the BC EAO and DFO focused on developing environmental mitigation and offsetting policies for BC that are harmonized or congruent with similar policies including the DFO National Policy for the Management of Fish Habitat and the DFO Standard Operating Policy for Compensation .
Clean Energy Client Advisory Committee	Interagency Committee of DFO, BC Ministry of Natural Resource Operations (MNRO) and Clean Energy BC focussed on developing and applying risk based approaches and tools to planning and managing Independent Power Projects
SEMP (Squamish Estuary Management Plan)	An intergovernmental group that meets regularly to plan, review, implement and coordinate habitat restoration, and various land use and commercial and recreational activity in the Squamish River estuary area.
Environmental Review Committees (ERCs) with Cities of North Vancouver, Burnaby, Coquitlam, Surrey, Langley , Abbotsford, Mission and *West Vancouver	Both informal and formal MOU supported review committees involving a variety of municipal environmental, engineering and planning staff to allow for efficient collaborative review of a variety of Municipal activities including land Use and development planning, municipal infrastructure planning, construction and maintenance, and



	land development proposal.
Squamish River Watershed Salmon Recovery plan	A multi agency 1 <sup>st</sup> nation and stewardship group supported plan that outlines objectives and strategies for salmon recovery in the Squamish Watershed
FREMP (Fraser River Estuary Management Program) and BIEAP (Burrard Inlet Environmental Action Plan)	Inter-governmental and inter-agency partnerships established to coordinate land use designations and environmental management (including regulatory reviews/approvals for development projects) in the Burrard Inlet and the Fraser River Estuary. DFO is a founder member of both FREMP and BIEAP
) Metro Vancouver Stormwater Interagency Liaison Group (SILG)	A regional district, municipal and senior agency group focusing on developing and assisting in delivery of improved land use planning, riparian protection and Stormwater/rainwater management to protect stream health per provincial liquid waste management planning
Water Balance Model Partnership	An intergovernmental initiated and lead partnership developing and delivering a web based hydrological tool to analyze and demonstrate water quality and stream health benefits from various land use planning and green infrastructure options
Green Infrastructure Partnership Steering Committee	A government and NGO committee collaborating to promote awareness, education and implementation of "Green Infrastructure" in urban development areas of British Columbia
Capilano-Seymour joint water use planning process	One of the first non- BC Hydro water use planning process. A multi year, multi agency, 1 <sup>st</sup> nation and public process to study and plan for optimizing 2 of 3 metro Vancouver lake reservoirs and watersheds for drinking water, fish, wildlife recreation and power generation.
Chilliwack River Watershed Strategy	An intergovernmental 1 <sup>st</sup> nation and public process to establish and implement a watershed level land use and stewardship plan
Coquitlam River Watershed Strategy	An intergovernmental 1 <sup>st</sup> nation and public process to establish and implement watershed level planning objectives
Vedder River Gravel Committee	An intergovernmental, 1 <sup>st</sup> nation and community based committee involved in the review and implementation of gravel removal related flood prevention measures and related environmental mitigation/fish habitat compensation enhancement activities.
Fraser Basin Council and its associated basin wide and regional programs	A partnership of gov'ts, agencies, industry and FN focused on addressing sustainability issues in the Fraser Basin. DFO has provided funding to the Council and has been engaged as an advisor or observer in many of the basin wide and regional programs including Fraser Salmon and Watersheds; Flood Hazard Management; Water Governance; Stewardship workshops; Fraser River Gravel Management Planning; Nechako Watershed Council
Skeetchestn Indian Band & Local Government Mapping and Inventory of the Deadman River.	Development of detailed SHIM mapping and inventory for the Deadman River and select tributaries. Leading to evaluation of CEDP restoration projects, prioritization of



	future restoration activities, identification of critical habitat areas for potential enhanced protection or acquisition and creation of development standards for lands adjacent to the river and tributaries.
Digitization of Shuswap Lake Large Tributaries Salmon Migration, Spawning and Rearing Area Knowledge on Local Government Map Base	Cooperative project with local Regional Districts in the Shuswap Watershed to do a knowledge capture from DFO Stock Assessment Staff and place current and historical salmon migration, spawning and rearing areas information on local government map bases which will assist with current production capacity estimations, identification of biological bottle necks, prioritization of future restoration activities, identification of critical habitat areas for potential enhanced protection or acquisition and creation of development standards for lands adjacent to the rivers and tributaries.
Preparation of 20 year Assessment of Salmon River Watershed Restoration Activities	Collaborative project with Salmon River Watershed Society and local government to digitize onto the local government map base, data associated with approximately 400 restoration sites completed on the Salmon River leading to the completion of a 20 year assessment report on Salmon River Watershed restoration activities.
Prioritization of fish barrier remediation and fish stream identification project with the BC Ministry of Transportation	On going cooperative work with the BC Ministry of Transportation in the BC interior to identify, prioritize and remediate historic impediments to fish passage at BCI MOT crossings of fish streams and to place a fish habitat identifier sign at every major MOT salmon stream crossing to raise awareness of MOT maintenance crews and the general public of salmon habitat.
Promotion of Agricultural Stewardship and Riparian Corridor Establishment in the BC Interior	On going cooperative work with the BC Cattleman's Association - Farmland Riparian Interface Program, Canada - BC Environmental Farm Plan, and environmental funding sources to help the agriculture sector better identify its impacts on the environment; and promote the growth of stewardship activities within the agriculture industry. This is done by encouraging farm producers to complete Environmental Farm Plans and partner with DFO & others to complete mitigation measures such as establishing riparian corridors with live stock exclusion fencing, off channel watering, irrigation efficiency measures, and fish habitat restoration.
Fraser Basin Council	Participation in the FBC Thompson Region - Region Committee to discuss sustainability issues in the Region and develop partnerships to promote and undertake sustainability activities. Also to plan and undertake the annual BCI Stewardship Workshop with broad participation from government agencies, NGO's, First Nations and stewardship groups to celebrate, exchange information on and develop cross sector stewardship partnerships in the BCI.
* Forestry Joint Steering Committee (JSC)	Interagency director level committee focused on implementation of the Forest and Range Protection Act (FRPA)(including all environmental regulations, standards and commitments)
* Forestry Joint Management Committee (JMC) and various	Interagency manager level committee that oversees work of various implementation teams and technical WG's - reports

technical WG's	to JSC on all matters including fish/forestry interaction issues
* Various FRPA WG's, technical teams and implementation teams	Technical, policy and advisory teams that report to the JMC and JSC on forestry and range management matters and interactions with other agencies mandates including fish passage on forestry road crossings, log handling, riparian management and watershed condition changes due to MPB, climate change etc
* Agriculture Partnership Committee (APC)	Interagency ADM /Director and industry committee that establish strategies and frameworks for management of agricultural issues of mutual concern (ie: agriculture/fish interactions )
* APC Working Groups	Various technical and policy WG's focused on products to address issues of mutual concern (ie riparian management guidelines for ag lands; building setbacks, nutrient management; water conservation etc)
inventory projects and habitat atlases:	<p>Sunshine Coast Regional District</p> <p>Powell River Regional District Habitat Atlas</p> <p>Comox Valley Regional District</p> <p>Nanaimo Regional District</p> <p>Alberni-Clayoquot Regional District</p> <p>District of Saanich</p> <p>Cowichan Valley Regional District</p> <p>District of Squamish and Sea To Sky Hwy</p> <p>District of Campbell River</p> <p>Okanagan Habitat Atlas</p> <p>West Coast Vancouver Island Atlas</p> <p>Metro Vancouver Regional District</p> <p>Fraser Valley Regional District</p> <p>Abbotsford Watershed Atlas</p> <p>Upper Skeena Habitat Atlas</p> <p>Bella Coola Watershed Atlas</p> <p>Prince Rupert and North Coast Habitat Atlas</p> <p>Cariboo Habitat Atlas (Horsefly and Quesnel Lakes area)</p> <p>Shuswap Watershed Atlas</p> <p>Windermere Lake Habitat Atlas</p> <p>Kootenay Habitat Atlas</p> <p>Fraser Basin Council Atlas</p> <p>Inner Coast Natural Resource Centre Atlas</p> <p>Elk Valley Stewardship Atlas</p> <p>Kamloops South Thompson Sustainable Community Atlas</p> <p>River and Smith Salmon Inlets Atlas</p>

\* Denotes processes recently discontinued by DFO Habitat Management