

January 30, 2023

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**Re: Deltaport Expansion, Berth Four Project (DP4 or the Project) – Request for Collaboration with Federal Authority Information Requests**

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Dear Kate,

GCT Canada Limited Partnership (GCT) requests assistance from the Impact Assessment Agency of Canada (the Agency) with obtaining information and facilitating the coordination of information gathering from those federal authorities that have, are or will be collecting certain information relevant to the Project's assessment. The DP4 Joint Guidelines (JG) note that:

*To describe existing conditions, "The proponent may make use of existing data it possesses to meet the requirements on existing conditions; provided that data or information meets the requirements of the Joint Guidelines."*

*For incidental and associated activities "To the degree possible, the proponent should maximize the use of existing material that is relevant to [marine shipping, rail and road transportation] incidental to [or associated with] the project. Existing material may be utilized from academic studies, work of government and non-government working groups, past or ongoing assessments, or any other source the proponent deems appropriate for its presentation of this material."*

GCT has reviewed federal programs, other project assessments in the area, and the responses from federal authorities on the request for a [regional assessment](#) from the Salish Sea Indigenous Guardians Association for the Salish Sea region for information relevant to the Project assessment. The attached Excel table outlines GCT's information requests from the following federal authorities:

- Crown Indigenous Relations and Northern Affairs Canada
- Environment and Climate Change Canada
- Fisheries and Oceans Canada
- Health Canada
- Natural Resources Canada
- Parks Canada
- Statistics Canada
- Transport Canada
- Vancouver Fraser Port Authority

In addition to the attached Excel table, maps showing the geographic extent of incidental activities associated with DP4 (marine shipping, road and rail) have also been provided to clarify the spatial extent of the information requests. In some cases, the "Specific Information Request" column on the attached Excel table includes additional detail for a specific area, where more detailed information is required. Shapefiles of regional assessment areas for specific VCs can also be provided in the near future upon request.

### **Requested Collaboration**

Responses from the federal authorities in possession of this specialist or expert information contain information that is valuable to inform the Impact Statement and Project assessment, including cumulative effects. In addition, GCT requests that ongoing collaboration and sharing as information relating to the plans and initiatives referenced in the Excel table is updated over the next two years to support the DP4 Impact Statement. As GCT is conducting extensive studies to support DP4's assessment process, there is an additional opportunity to inform, supplement, coordinate or jointly undertake future work. GCT welcomes discussing these opportunities and the sharing of information. GCT recognizes, as does in our experience, the Agency, the value in collaborating.

The information collected, or to be collected, through or by these federal authorities will enhance the understanding of baseline conditions in the Project area. In addition to assisting GCT, the information sharing will aid regulators, Indigenous nations, local communities, and others in their understanding, review, and decision-making. We understand that, separately, Indigenous Nations have made similar requests of the Agency and federal authorities and emphasized the need for such cross-government collaboration and information sharing.

GCT is eager to work together to ensure all parties engaged in the assessment process are equipped with comprehensive information and data. We welcome hearing from you on how the Agency can expedite the sharing of existing information and collaboration on future information collection thereby fulfilling the Agency's mandate and the objectives of the assessment process.

We thank you in advance for your assistance and ongoing support in furthering the purposes and aims of the impact assessment process for our Project.

Sincerely,

*Original signed by*

Mike McLellan  
Vice President, Project Development  
**GCT Global Container Terminals Inc.**

cc: Marko Dekovic, GCT Vice President, Public Affairs



# Regulatory Information Request

Please note: The geographic extent of information requested in this table generally aligns with the spatial scope of incidental activities (marine shipping, road and rail) described in the DP4 Joint Guidelines and maps provided. The regional assessment areas for specific VCs can also be shared in the near future upon request.

#	Name of Federal Authority	Plans and Initiatives	Valued Component	Specific Information Request	Regulatory Response
1	Crown Indigenous Relations and Northern Affairs Canada	Aboriginal and Treaty Rights Information System and Burrard Inlet Environmental Science and Stewardship Agreement	Indigenous Nations Interests	Lists of Indigenous nations are involved in these plans, studies, and initiatives. Description of Indigenous nations' involvement in these plans, studies, and initiatives.	
2	Crown Indigenous Relations and Northern Affairs Canada	Aboriginal and Treaty Rights Information System and Burrard Inlet Environmental Science and Stewardship Agreement	Indigenous Nations Interests	Provide any reports or associated raw data related to Indigenous Knowledge or input. Which baselines were used in the analysis?	
3	Crown Indigenous Relations and Northern Affairs Canada	Aboriginal and Treaty Rights Information System and Burrard Inlet Environmental Science and Stewardship Agreement	Indigenous Nations Interests	How does the initiative involve or address the concerns/interests of Indigenous communities?	
4	Environment and Climate Change Canada	Migratory Birds Convention Act	Visual Environment	All monitoring reports and associated raw data on light assessments and the effects of light on birds.	
5	Environment and Climate Change Canada	Migratory Birds Convention Act	Visual Environment	Any guidance documents relating to assessment methods on light and the effects of light on birds.	
6	Environment and Climate Change Canada	Marine Bird Monitoring and Conservation Program	Visual Environment	All monitoring reports and associated raw data relating to the effects of human activity on marine birds, specifically relating to the effects of light on marine bird populations.	
7	Environment and Climate Change Canada	US EPA Joint Statement of Cooperation on the Georgia Basin - Puget Sound (Salish Sea) Ecosystem	Coastal Geomorphology	Any lists or guidance documents relating to Salish Sea transboundary ecosystem indicators from ECCC and US EPA.	
8	Environment and Climate Change Canada	The Salish Sea Initiative	Coastal Geomorphology	Any guidance documents relating to DAS in the Salish Sea. Note GCT/Hatfield have the publicly available ECCC DAS web page. Requesting guidance on ECCC expectations regarding the number of sampling stations required to obtain representative results, required for a DAS permit.	
9	Environment and Climate Change Canada	US EPA Joint Statement of Cooperation on the Georgia Basin - Puget Sound (Salish Sea) Ecosystem, Water Quality and Ecosystem Partnerships Program in the Fraser River Basin, Indigenous Advisory and Monitoring Committee for the Trans Mountain Expansion Project, Advancing Knowledge in support of managing cumulative effects in the Salish Sea, Marine Bird Monitoring and Conservation Program, Terrestrial Cumulative Effects Initiative, Marine Spatial Planning, Air Quality Management System, The Canadian Aquatic Biomonitoring Network, Freshwater Quality Monitoring Program, ECCC's Emergency Science & Technology Section, Shellfish Water Classification Program, Migratory Birds Convention Act, Priority Places Initiative, Pacific Birds Habitat Joint Venture, Environmental Emergencies Regulations, National Environmental Emergencies Centre, Open Science Data Platform, Cumulative Effects in 6 western Canada Regions, and State of the Salish Sea Assessment.	Indigenous Nations Interests	Which Indigenous groups are involved in this initiative? How did these initiatives engage with US Tribes? How do Indigenous nations participate in these programs? How do these programs reflect their input?	
10	Environment and Climate Change Canada	US EPA Joint Statement of Cooperation on the Georgia Basin - Puget Sound (Salish Sea) Ecosystem, Water Quality and Ecosystem Partnerships Program in the Fraser River Basin, Indigenous Advisory and Monitoring Committee for the Trans Mountain Expansion Project, Advancing Knowledge in support of managing cumulative effects in the Salish Sea, Marine Bird Monitoring and Conservation Program, Terrestrial Cumulative Effects Initiative, Marine Spatial Planning, Air Quality Management System, The Canadian Aquatic Biomonitoring Network, Freshwater Quality Monitoring Program, ECCC's Emergency Science & Technology Section, Shellfish Water Classification Program, Migratory Birds Convention Act, Priority Places Initiative, Pacific Birds Habitat Joint Venture, Environmental Emergencies Regulations, National Environmental Emergencies Centre, Open Science Data Platform, Cumulative Effects in 6 western Canada Regions, and State of the Salish Sea Assessment.	Indigenous Nations Interests	Provide any reports or associated raw data related to Indigenous Knowledge or input. Which baselines were used in the analysis?	

#	Name of Federal Authority	Plans and Initiatives	Valued Component	Specific Information Request	Regulatory Response
11	Environment and Climate Change Canada	US EPA Joint Statement of Cooperation on the Georgia Basin - Puget Sound (Salish Sea) Ecosystem, Water Quality and Ecosystem Partnerships Program in the Fraser River Basin, Indigenous Advisory and Monitoring Committee for the Trans Mountain Expansion Project, Advancing Knowledge in support of managing cumulative effects in the Salish Sea, Marine Bird Monitoring and Conservation Program, Terrestrial Cumulative Effects Initiative, Marine Spatial Planning, Air Quality Management System, The Canadian Aquatic Biomonitoring Network, Freshwater Quality Monitoring Program, ECCC's Emergency Science & Technology Section, Shellfish Water Classification Program, Migratory Birds Convention Act, Priority Places Initiative, Pacific Birds Habitat Joint Venture, Environmental Emergencies Regulations, National Environmental Emergencies Centre, Open Science Data Platform, Cumulative Effects in 6 western Canada Regions, and State of the Salish Sea Assessment.	Indigenous Nations Interests	How does the initiative involve or address the concerns/interests of Indigenous communities?	
12	Environment and Climate Change Canada	Advancing Knowledge in support of managing cumulative Effects in the Salish Sea (TMX Recommendation 1)	Air Quality	Any monitoring reports and associated raw data relating to cumulative effects management and air quality in the Salish Sea area.	
13	Environment and Climate Change Canada	Health of the Salish Sea Ecosystem Report	Marine Fish and Fish Habitat	Raw data (workable spreadsheets) related to all life history stages/cycles of chinook salmon and all available fish (eulachon, surf smelt, sand lance, herring, salmonids (chinook, chum sockeye, pink, coho) white and green sturgeon, lingcod, rockfish (all species), Pacific halibut, shiner perch, red snapper, rock cod and dogfish and) and fish habitat data.	
14	Environment and Climate Change Canada	COSEWIC annual reports	Marine Fish and Fish Habitat	Raw data (workable spreadsheets) related to BC fish (eulachon, surf smelt, sand lance, herring, salmonids (chinook, chum sockeye, pink, coho) white and green sturgeon, lingcod, rockfish (all species), Pacific halibut, shiner perch, red snapper, rock cod and dogfish and fish habitat in the Fraser River, Roberts Bank, Boundary Bay, Sturgeon Bank, Salish Sea from all years since the conception of COSEWIC annual reports.	
15	Environment and Climate Change Canada	Health of the Salish Sea Ecosystem Report	Marine Vegetation and Wetlands	Any raw data relating to toxin levels in intertidal bivalves from the " <i>Toxics in the food web</i> " section of the EPA Health of the Salish Sea Ecosystem Report.	
16	Environment and Climate Change Canada	Health of the Salish Sea Ecosystem Report	Marine Vegetation and Wetlands	Any monitoring reports and associated raw data relating to toxicity assessments on intertidal bivalves from the " <i>Shellfish harvesting</i> " section of the EPA Health of the Salish Sea Ecosystem Report.	
17	Environment and Climate Change Canada	Cumulative Effects in the Salish Sea	Marine Vegetation and Wetlands	Marine Sediment and mussel tissue quality by Ocean Wise Pollution Tracker - datasets from sediment and mussel tissue samples collected around the Fraser River Estuary.	
18	Environment and Climate Change Canada	Salish Sea Marine Bird Monitoring and Conservation Program (TMX Recommendation 3).	Birds and Their Habitat	Any monitoring reports and associated raw data from the Salish Sea Marine Bird Monitoring and Conservation Program.  NOTE: on behalf of GCT - Hatfield has been following up directly with ECCC requesting data from this program. ECCC advised in July 2022 that this data exists in raw format and is not ready to be shared, noting they would advise if this data becomes available. This is included in this list of information requests as an ongoing/outstanding data request.	
19	Environment and Climate Change Canada	Canadian Wildlife Services Marine Waterbird Surveys	Birds and Their Habitat	Any reports and associated raw data relating to the Canadian Wildlife Services marine waterbird survey data from the Salish Sea (Swartz bay to Tsawwassen) and Strait of Juan De Fuca by Douglas Bertram.  NOTE: on behalf of GCT - Hatfield has been following up directly with ECCC requesting data from Doug Bertram's programs. ECCC advised in December 2022 that this data was not public though it was expected to be published and made public in December 2022. This is included in this list of information requests as an ongoing/outstanding data request.	
20	Environment and Climate Change Canada	Canadian Wildlife Services Shorebird Surveys	Birds and Their Habitat	Any reports and associated raw data relating to the Canadian Wildlife Services long-term monitoring programs for shorebirds (Mark Drever), snow goose, and brant from the Salish Sea (Swartz bay to Tsawwassen) and Strait of Juan De Fuca.	



#	Name of Federal Authority	Plans and Initiatives	Valued Component	Specific Information Request	Regulatory Response
21	Fisheries and Oceans Canada	The Ocean Protection Plan and Whales Initiative: Protecting the Southern Resident Killer Whale	Marine Mammal	Southern resident killer whale foraging spatial data in the Salish Sea or a summary report that illustrates the spatial distribution of the different behavioural states of southern resident killer whales in relation to areas protected under the OPP, and fishery closures.	
22	Fisheries and Oceans Canada	The Ocean Protection Plan and Whales Initiative: Protecting the Southern Resident Killer Whale	Marine Mammal	Specific information and guidance documents on the Government stated objective that they will also be requiring Canadian fleet owners and operators to develop plans for reducing underwater noise from their fleets over time, should voluntary measures prove insufficient.	
23	Fisheries and Oceans Canada	The Ocean Protection Plan and Whales Initiative: Protecting the Southern Resident Killer Whale	Marine Mammal	Offshore marine mammal distributional data summaries from the 2018 PRISMM survey not presented in Wright, B.M., Nichol, L.M., Doniol-Valcroze, T. 2021. Spatial density models of cetaceans in the Canadian Pacific estimated from 2018 ship-based surveys. DFO Can. Sci. Advis. Sec. Res. Doc. 2021/049. viii + 46 p. or summaries from any other more recent offshore work.	
24	Fisheries and Oceans Canada	The Ocean Protection Plan and Whales Initiative: Protecting the Southern Resident Killer Whale	Marine Mammal	Data summaries from hydrophones deployed in the Salish Sea that shows seasonal measurements of underwater noise with associated environmental data and marine mammal detections including diel variations.	
25	Fisheries and Oceans Canada	Salish Sea Initiative	Marine Mammal	Southern resident killer whale data collected and/or programs by Indigenous Nations related to conservation and recovery of southern resident killer whales and other Species at Risk.	
26	Fisheries and Oceans Canada	The Salish Sea Initiative	Visual Environment	Any monitoring reports and associated raw data on the cumulative effects of increased human activities on valued components of the marine ecosystem.	
27	Fisheries and Oceans Canada	Coastal Environmental Baseline Program	Visual Environment	Any monitoring reports and associated raw data relating to the baseline light conditions from existing or potential vessel traffic in the Port of Vancouver area.	
28	Fisheries and Oceans Canada	Salish Sea Initiative/ monitoring	Coastal Geomorphology	Any reports and associated raw data relating to DFO's 75 survey stations data collection program, within Strait of Georgia, particularly from Stations 37 to 46, both rosette stations and CTD stations data from 1999 to 2001. Ref.: Davenne and Masson, Aug 2001, Water Properties in the Straits of Georgia and Juan de Fuca, BC, Canada.	
29	Fisheries and Oceans Canada	DFO Water Properties Data Portal	Coastal Geomorphology	A list of the data available on the DFO water properties web page ( <a href="https://www.waterproperties.ca/">https://www.waterproperties.ca/</a> ) as well as the process for obtaining access to the data portal.	
30	Fisheries and Oceans Canada	Shellfish Data Unit, Marine Ecosystem and Aquaculture Division, Science Branch	Marine Vegetation and Wetlands	Dungeness Crab raw data in BC Tidal Areas: 14, 15, 16, 17, 18, 19, 28 and 29, all years with available data since 1980 including: – Fish Slip Program: Commercial catch data from dockside sale records. – Onboard Logbook: Commercial catch data from vessel logbooks. – Onboard Biological Sampling: Size composition data from commercial vessels. – Fraser Delta Research Surveys: Fisheries-independent trap survey data. – Vancouver Harbour Research Surveys: Research surveys of Vancouver Harbour.	
31	Fisheries and Oceans Canada	Aquatic ecosystems, Oceans, Reports and publications, State of the Pacific Ocean	Marine Fish and Fish Habitat	Raw data (workable spreadsheets/databases) from the State of the Pacific Ocean Technical Reports related to the Lower Fraser River, Roberts Bank, Sturgeon Bank Boundary Bay, Salish Sea areas that quantify eulachon, surf smelt, sand lance, herring, salmonids (chinook, chum, sockeye, pink, coho) white and green sturgeon, Dungeness and red rock crab, lingcod, rockfish (all species), Pacific halibut, shiner perch, red snapper, rock cod and dogfish populations from all life history/cycle stages from all years with available data since 1980.	
32	Fisheries and Oceans Canada	Pacific Region, Salmonid Enhancement Program, Enhancement	Marine Fish and Fish Habitat	Raw data (workable spreadsheets/databases) related to salmonid hatchery releases from BC Tidal Areas: 14, 15, 16, 17, 18, 19, 28 and 29 for all years with available data since 1980.	
33	Fisheries and Oceans Canada	Canada's fisheries funds, Pacific salmon strategy initiative, BC salmon restoration and innovation fund 2019 to 2022	Marine Fish and Fish Habitat	Raw data (workable spreadsheets/databases) from projects related to the quantification of salmonid populations/abundance from all life history/cycle stages from BC Tidal Areas: 14, 15, 16, 17, 18, 19, 28 and 29 for all years with available data since this project funding has been available and/or awarded.	

#	Name of Federal Authority	Plans and Initiatives	Valued Component	Specific Information Request	Regulatory Response
34	Fisheries and Oceans Canada	Science, Partnership and collaboration, Research programs and initiatives, Coastal Environmental Baseline Program, Port of Vancouver	Marine Fish and Fish Habitat	Raw data (workable spreadsheets/databases) from Fraser River, Roberts Bank, Sturgeon Bank and Boundary Bay areas specifically, and all of BC Tidal Areas: 14, 15, 16, 17, 18, 19, 28 and 29 that quantify eulachon, surf smelt, sand lance, herring, salmonids (chinook, chum, sockeye, pink, coho) white and green sturgeon, Dungeness and red rock crab populations/abundance from all life history/cycle stages from all years with available data since 1980.	
35	Fisheries and Oceans Canada	Pacific Region, fisheries, integrated fisheries management plans	Marine Fish and Fish Habitat	Raw data (workable spreadsheets/databases) from Fraser River, Roberts Bank, Sturgeon Bank and Boundary Bay areas specifically and all of BC Tidal Areas: 14, 15, 16, 17, 18, 19, 28 and 29 that quantify eulachon, surf smelt, sand lance, herring, salmonids (chinook, chum sockeye, pink, coho) white and green sturgeon, Dungeness and red rock crab populations/abundance from all life history/cycle stages and from all years with available data since 1980.	
36	Fisheries and Oceans Canada	Science, Partnership and collaboration, Research programs and initiatives, Coastal Environmental Baseline Program, Port of Vancouver	Marine Fish and Fish Habitat	Raw data (workable spreadsheets/databases) from Fraser River, Roberts Bank, Sturgeon Bank and Boundary Bay areas specifically and all of BC Tidal Areas: 14, 15, 16, 17, 18, 19, 28 and 29 related lingcod, steelhead trout, rockfish (all species), Pacific halibut, shiner perch, red snapper, rock cod and dogfish populations/abundance from all life history/cycle stages from all years with available data since 1980.	
37	Fisheries and Oceans Canada	Pacific Region, fisheries, integrated fisheries management plans	Marine Fish and Fish Habitat	Raw data (workable spreadsheets/databases) that quantify Fraser River, Roberts Bank, Sturgeon Bank and Boundary Bay areas specifically and all of BC Tidal Areas: 14, 15, 16, 17, 18, 19, 28 and 29 that quantify lingcod, steelhead trout, rockfish (all species), Pacific halibut, shiner perch, red snapper, rock cod and dogfish populations from all life history/cycle stages and from all years with available data since 1980.	
38	Fisheries and Oceans Canada	Fisheries, Statistics, Commercial fisheries, Sea fisheries	Marine Fish and Fish Habitat	Raw data (workable spreadsheets/databases) from Fraser River, Roberts Bank, Sturgeon Bank and Boundary Bay areas specifically, and all of BC Tidal Areas: 14, 15, 16, 17, 18, 19, 28 and 29 that quantify eulachon, surf smelt, sand lance, herring, salmonids (chinook, chum, sockeye, pink, coho) white and green sturgeon, Dungeness and red rock crab landings/abundance from all life history/cycle stages and from all years with available data since 1980.	
39	Fisheries and Oceans Canada	Fisheries, Statistics, Commercial fisheries, Sea fisheries	Marine Fish and Fish Habitat	Raw data (workable spreadsheets/databases) from Fraser River, Roberts Bank, Sturgeon Bank and Boundary Bay areas specifically and all of BC Tidal Areas: 14, 15, 16, 17, 18, 19, 28 and 29 that quantify lingcod, rockfish (all species), Pacific halibut, shiner perch, red snapper, rock cod and dogfish landings/abundance from all life history/cycle stages from all years with available data since 1980.	
40	Fisheries and Oceans Canada	Fisheries, Statistics, Commercial fisheries, Recreational Fishing, Recreational Catch Statistics, Georgia Strait	Marine Fish and Fish Habitat	Raw data (workable spreadsheets/databases) from Fraser River, Roberts Bank, Sturgeon Bank and Boundary Bay areas specifically, and all of BC Tidal Areas: 14, 15, 16, 17, 18, 19, 28 and 29 that quantify eulachon, surf smelt, sand lance, herring, salmonids (chinook, chum, sockeye, pink, coho) white and green sturgeon, Dungeness and red rock crab landings/abundance from all life history/cycle stages and from all years with available data since 1980.	
41	Fisheries and Oceans Canada	Fisheries, Statistics, Commercial fisheries, Recreational Fishing, Recreational Catch Statistics, Georgia Strait	Marine Fish and Fish Habitat	Raw data (workable spreadsheets/databases) from Fraser River, Roberts Bank, Sturgeon Bank and Boundary Bay areas specifically and all of BC Tidal Areas: 14, 15, 16, 17, 18, 19, 28 and 29 that quantify lingcod, rockfish (all species), Pacific halibut, shiner perch, red snapper, rock cod and dogfish landings/abundance from all life history/cycle stages from all years with available data since 1980.	
42	Fisheries and Oceans Canada	Fisheries, Statistics, Commercial fisheries, Recreational Fishing, Recreational Catch Statistics, Georgia Strait Creel Survey	Marine Fish and Fish Habitat	Raw data (workable spreadsheets/databases) from Fraser River, Roberts Bank, Sturgeon Bank and Boundary Bay areas specifically, and all of BC Tidal Areas: 14, 15, 16, 17, 18, 19, 28 and 29 that quantify eulachon, surf smelt, sand lance, herring, salmonids (chinook, chum, sockeye, pink, coho) white and green sturgeon, Dungeness and red rock crab effort and catches from all life history/cycle stages and from all years with available data since 1980.	
43	Fisheries and Oceans Canada	Fisheries, Statistics, Commercial fisheries, Recreational Fishing, Recreational Catch Statistics, Georgia Strait Creel Survey	Marine Fish and Fish Habitat	Raw data (workable spreadsheets/databases) from Fraser River, Roberts Bank, Sturgeon Bank and Boundary Bay areas specifically and all of BC Tidal Areas: 14, 15, 16, 17, 18, 19, 28 and 29 that quantify lingcod, rockfish (all species), Pacific halibut, shiner perch, red snapper, rock cod and dogfish effort and catches from all life history/cycle stages from all years with available data since 1980.	

#	Name of Federal Authority	Plans and Initiatives	Valued Component	Specific Information Request	Regulatory Response
44	Fisheries and Oceans Canada	Coastal Environmental Baseline Program	Marine Fish and Fish Habitat	Any reports and associated raw data from the DFO, TFN, LGL studies on eulachon as part of the Coastal Environmental baseline program.	
45	Fisheries and Oceans Canada	Coastal Restoration Fund - part of the Oceans Protection Plan	Marine Vegetation and Wetlands	Any raw data collected for the Coastal Restoration Fund project " <i>Restoring estuary connectivity on the delta of the Fraser River estuary (Raincoast Conservation Foundation)</i> " relating to sediment quality and impacts to biofilm.	
46	Fisheries and Oceans Canada	Coastal Restoration Fund - part of the Oceans Protection Plan	Marine Vegetation and Wetlands	Any raw data collected for the Coastal Restoration Fund project " <i>Salish Sea nearshore habitat recovery project (Sea Change Marine Conservation Society)</i> " relating to sediment and/or water quality and any data/maps on eelgrass distribution.	
47	Fisheries and Oceans Canada	Coastal Restoration Fund - part of the Oceans Protection Plan	Marine Vegetation and Wetlands	Any raw data collected for the Coastal Restoration Fund project " <i>Estuary restoration in the Fraser River Delt and connected wetlands (Ducks Unlimited Canada)</i> " relating to baseline data on salt marsh habitat.	
48	Fisheries and Oceans Canada	Eelgrass mapping data from the Salish Sea: Ashley Park	Marine Vegetation and Wetlands	We understand from Ashley Park that DFO Pacific is in the process of compiling eelgrass spatial datasets from different sources from the 1940s until present. The dataset is to be used for marine spatial planning and oil spill response initiatives and may also be included in a public facing nation wide map of eelgrass. DFO has requested GCT shares the eelgrass mapping data for DP4. GCT proposes a data exchange and requests DFO share the raw eelgrass mapping data it has compiled for the Salish Sea.	
49	Health Canada	Burrard Inlet Action Plan	Visual Environment	Any monitoring reports and associated data relating to the recreational use of the area in relation to light pollution.	
50	Health Canada	Burrard Inlet Action Plan, We All Take Care of the Harvest, Food, Environment, Health and Nutrition of First Nations Children and Youth, First Nations Food, Nutrition, and Environment Study, Environmental Contaminants Program, Inter-Sectoral Action Fund, Tsawwassen First Nation Community Health and Food Security Study, Health Canada's Health ADAPT Program, and Health Canada's Impact Assessment Research Fund.	Indigenous Nations Interests	Lists of Indigenous nations are involved in these plans, studies, and initiatives. Description of Indigenous nations' involvement in these plans, studies, and initiatives.	
51	Health Canada	Burrard Inlet Action Plan, We All Take Care of the Harvest, Food, Environment, Health and Nutrition of First Nations Children and Youth, First Nations Food, Nutrition, and Environment Study, Environmental Contaminants Program, Inter-Sectoral Action Fund, Tsawwassen First Nation Community Health and Food Security Study, Health Canada's Health ADAPT Program, and Health Canada's Impact Assessment Research Fund	Indigenous Nations Interests	Provide any reports or associated raw data related to Indigenous Knowledge or input. Which baselines were used in the analysis?	
52	Health Canada	Burrard Inlet Action Plan, We All Take Care of the Harvest, Food, Environment, Health and Nutrition of First Nations Children and Youth, First Nations Food, Nutrition, and Environment Study, Environmental Contaminants Program, Inter-Sectoral Action Fund, Tsawwassen First Nation Community Health and Food Security Study, Health Canada's Health ADAPT Program, and Health Canada's Impact Assessment Research Fund	Indigenous Nations Interests	How does the initiative involve or address the concerns/interests of Indigenous communities?	
53	Health Canada	Inter-Sectoral Action Fund	Employment and Economy/Social Determinants of Health (SDH)	Any non-publicly available reports, qualitative studies, and data sets from the last 7 years related to community well-being and social determinants of health (income and social protection, Education, Unemployment and job security, working life conditions, food insecurity, housing/basic amenities, early childhood development, social inclusion/ non-discrimination) for communities of Delta, Richmond, and Surrey.	
54	Health Canada	Inter-Sectoral Action Fund	Employment and Economy/Social Determinants of Health	Any non-publicly available reports, studies, and data sets related to community well-being and social determinants of health related to the development of Canadian Urban Port projects in the last 10 years.	

#	Name of Federal Authority	Plans and Initiatives	Valued Component	Specific Information Request	Regulatory Response
55	Health Canada		Human Health and Risk Assessment	For risk assessments in BC, Protocol 1 of the CSR states: It is not required to include acute/subchronic exposures for subsurface (utility, trench, and construction) workers in quantitative human health risk assessments for CSR regulatory purposes. Worker health and safety is the responsibility of WorkSafeBC under the Workers Compensation Act and the Occupational Health and Safety Regulation. WorkSafeBC requirements must be met at contaminated sites. Operative chronic (> 90 days) occupational exposure pathways must be included for subsurface workers in risk assessments for CSR regulatory purposes.  Based on this guidance and some of the challenges associated with properly assessing subchronic exposures in quantitative human health risk assessments (e.g., TRVs and ILCRs for human health are typically designed to be assessed over a longer-term exposure scenario), is Health Canada open to similar rationale and interpretation during the DP4 HHRAs for certain construction activities that represent a short occupational exposure scenario?	
56	Natural Resource Canada	Areas of active sediment transport, including the Fraser Delta	Coastal Geomorphology	Any reports and associated raw data relating to seabed sediment transport and suspended sediments in the Fraser River estuary and Salish Sea ecosystem.	
57	Natural Resource Canada	Seabed and sub-seabed locations of faults, some potentially active	Coastal Geomorphology	Any monitoring reports and associated raw data relating to seismic hazard assessments, in the Cascadia Region and Semiahmoo cross border, including natural hazards such as storm surges and tsunamis risks.	
58	Natural Resource Canada	Expedition database	Coastal Geomorphology	Any monitoring reports and associated raw data relating to tidal and coastal geomorphic environments, eelgrass beds and salt marshes.	
59	Natural Resource Canada	Area of active sediment transport, including the Fraser Delta and Health of the Salish Sea Ecosystem Report	Indigenous Nations Interests	Lists of Indigenous nations that are involved in these plans, studies, and initiatives. Description of Indigenous nations' involvement in these plans, studies, and initiatives.	
60	Natural Resource Canada	Area of active sediment transport, including the Fraser Delta and Health of the Salish Sea Ecosystem Report	Indigenous Nations Interests	Provide any reports or associated raw data related to Indigenous Knowledge or input. Which baselines were used in the analysis?	
61	Natural Resource Canada	Area of active sediment transport, including the Fraser Delta and Health of the Salish Sea Ecosystem Report	Indigenous Nations Interests	How does the initiative involve or address the concerns/interests of Indigenous communities?	
62	Parks Canada	Southern Strait of Georgia National Marine Conservation Area Reserve Proposal	Indigenous Nations Interests	Lists of Indigenous nations are involved in these plans, studies, and initiatives. Description of Indigenous nations' involvement in these plans, studies, and initiatives.	
63	Parks Canada	Southern Strait of Georgia National Marine Conservation Area Reserve Proposal	Indigenous Nations Interests	Provide any reports or associated raw data related to Indigenous Knowledge or input. Which baselines were used in the analysis?	
64	Parks Canada	Southern Strait of Georgia National Marine Conservation Area Reserve Proposal	Indigenous Nations Interests	How does the initiative involve or address the concerns/interests of Indigenous communities?	
65	Statistics Canada	Aboriginal Peoples Survey	Employment and Economy	Public Use Microdata File released June 2, 2020 and March 24, 2015.	
66	Transport Canada	The Ocean Protection Plan and Whales Initiative: Protecting the Southern Resident Killer Whale	Marine Mammal	All monitoring reports (or synopsis) and associated raw data, that summarises/quantifies that the 25-35% reduction in chinook salmon fishery removals resulted in increased prey availability to southern resident killer whales.	
67	Transport Canada	The Ocean Protection Plan and Whales Initiative: Protecting the Southern Resident Killer Whale	Marine Mammal	All monitoring reports and associated raw data relating to Southern resident killer whale residency and behaviour in Interim Sanctuary Zones and fishery closure areas.	
68	Transport Canada	The Ocean Protection Plan and Whales Initiative: Protecting the Southern Resident Killer Whale	Marine Mammal	The metrics used to measure/quantify success for each of the main threats identified by the Government of Canada.	
69	Transport Canada	The Ocean Protection Plan and Whales Initiative: Protecting the Southern Resident Killer Whale	Marine Mammal	Information relating to technology or other actions to reduce vessel strike risk to non-southern resident killer whales in Pacific Canada. Recognising much work has been done in Atlantic Canada to protect North Atlantic Right Whales, and the ECHO Program seasonal slowdown and lateral displacement trial for southern resident killer whales in Pacific Canada have been implemented.	
70	Transport Canada	The Ocean Protection Plan and Whales Initiative: Protecting the Southern Resident Killer Whale	Marine Mammal	Data summaries from hydrophones deployed in the Salish Sea that shows seasonal measurements of underwater noise with associated environmental data and marine mammal detections including diel variations.	
71	Transport Canada	Salish Sea Initiative	Marine Mammal	Southern resident killer whale data collected and/or programs by Indigenous Nations related to conservation and recovery of southern resident killer whales and other Species at Risk.	

#	Name of Federal Authority	Plans and Initiatives	Valued Component	Specific Information Request	Regulatory Response
72	Transport Canada	Cumulative Effects of Marine Shipping Initiative and the Oceans Protection Plan	Visual Environment	All monitoring reports and associated raw data on light assessments and the effects of light on fish.	
73	Transport Canada	Cumulative Effects of Marine Shipping Initiative and the Oceans Protection Plan	Visual Environment	Any guidance documents relating to assessment methods on light and the effects of light on fish.	
74	Transport Canada	Enhances Maritime Situational Awareness	Visual Environment	All monitoring reports and associated raw data relating to the impacts of vessel traffic on Indigenous communities and other partners.	
75	Transport Canada	The Ocean Protection Plan	Visual Environment	All monitoring reports and associated raw data relating to the effects of light on ecosystems and wildlife.	
76	Transport Canada	The Oceans Protection Plan, Cumulative Effects of Marine Shipping Initiative and the Oceans Protection Plan, Whales Initiative, Enhanced Maritime Situational Awareness, Salish Sea Initiative, Marine Spatial Planning, Trans Mountain Expansion Project - Canada Energy Regulatory Recommendations, Coastal Environmental Baseline Program, and Southern BC Marine Spatial Planning Process.	Indigenous Nations Interests	Lists of Indigenous nations that are involved in these plans, studies, and initiatives. Description of Indigenous nations' involvement in these plans, studies, and initiatives.	
77	Transport Canada	The Oceans Protection Plan, Cumulative Effects of Marine Shipping Initiative and the Oceans Protection Plan, Whales Initiative, Enhanced Maritime Situational Awareness, Salish Sea Initiative, Marine Spatial Planning, Trans Mountain Expansion Project - Canada Energy Regulatory Recommendations, Coastal Environmental Baseline Program, and Southern BC Marine Spatial Planning Process.	Indigenous Nations Interests	Provide any reports or associated raw data related to Indigenous Knowledge or input. Which baselines were used in the analysis?	
78	Transport Canada	The Oceans Protection Plan, Cumulative Effects of Marine Shipping Initiative and the Oceans Protection Plan, Whales Initiative, Enhanced Maritime Situational Awareness, Salish Sea Initiative, Marine Spatial Planning, Trans Mountain Expansion Project - Canada Energy Regulatory Recommendations, Coastal Environmental Baseline Program, and Southern BC Marine Spatial Planning Process.	Indigenous Nations Interests	How does the initiative involve or address the concerns/interests of Indigenous communities?	
79	Vancouver Fraser Port Authority	Noise Monitoring ( <a href="https://www.portvancouver.com/port-dashboard/noise-monitoring/">https://www.portvancouver.com/port-dashboard/noise-monitoring/</a> ).	Atmospheric Noise	Any monitoring reports and associated raw data relating to noise measurements from 3 of the Port of Vancouver's noise monitoring stations (NMT 9, 10, and 11). Specific metrics include the hourly broadband and octave band measurement values for the Leq, Lmax, and L90 noise metrics for the duration of the monitoring program.	
80	Vancouver Fraser Port Authority	RBT2 EIS	Marine Vegetation and Wetlands	The report and associated raw data from the RBT2 Marine Invertebrate Studies: <i>Dungeness Crab Productivity Study (Hemmera 2014)</i> .	
81	Vancouver Fraser Port Authority	RBT2 EIS	Marine Vegetation and Wetlands	The report and associated raw data from the RBT2 Marine Invertebrate Studies: Juvenile Dungeness Crab Technical Data Report (Hemmera 2014).	
82	Vancouver Fraser Port Authority	RBT2 Federal Review Panel Report	Marine Fish and Fish Habitat	Raw data (workable spreadsheets/databases) from the environmental assessment related to fish and fish habitat surveys and studies that were presented to the federal Review Panel for assessment of the potential environmental effects of the RBT2 project: Reference Number 80054.	
83	Vancouver Fraser Port Authority	RBT2 Federal Review Panel Report	Marine Fish and Fish Habitat	Raw data (workable spreadsheets/databases) used or created by the federal Review Panel to summarize the fish and fish habitat information within the RBT2 environmental assessment: Reference Number 80054.	
84	Vancouver Fraser Port Authority	Roberts Bank Container Expansion Project, Deltaport Third Berth Project	Marine Fish and Fish Habitat	Raw data (workable spreadsheets/databases) from all figures, all tables and all appendix sections related to fish and fish habitat within the Marine Resources Impact Assessment, November 2004 (Triton Environmental Consultants Ltd.).	
85	Vancouver Fraser Port Authority	RBT2 EIS	Marine Fish and Fish Habitat	Any and all raw data (workable spreadsheets) from 2010 to 2022 related to Fish and Fish Habitat Studies.	
86	Vancouver Fraser Port Authority	RBT2 EIS	Marine Fish and Fish Habitat	Raw data (workable spreadsheets) from the technical data report for the RBT2 Project, Marine Fish: Juvenile Salmon Survey - November 2014 (Hemmera/Archipelago).	
87	Vancouver Fraser Port Authority	RBT2 EIS	Marine Fish and Fish Habitat	Raw data (workable spreadsheets) from the technical data report for the RBT2 Project - Marine Fish: Benthic Fish Trawl Survey - November 2014 (Hemmera/Archipelago).	
88	Vancouver Fraser Port Authority	RBT2 EIS	Marine Fish and Fish Habitat/Marine Vegetation and Wetlands	Raw data (workable spreadsheets) from the Technical Data Report for the RBT2 Project - Marine Fish - Eelgrass Fish Community Survey - November 2014 (Hemmera/Archipelago).	

#	Name of Federal Authority	Plans and Initiatives	Valued Component	Specific Information Request	Regulatory Response
89	Vancouver Fraser Port Authority	RBT2 EIS	Marine Fish and Fish Habitat	Raw data (workable spreadsheets) from the Technical Data Report for the RBT2 Project - Marine Fish and Habitat - Forage Fish Beach Spawn Survey - November 2014 (Hemmera/Archipelago).	
90	Vancouver Fraser Port Authority	RBT2 EIS	Marine Fish and Fish Habitat/Marine Vegetation and Wetlands	Raw data (workable spreadsheets) from Appendix AIR10-C - Technical Data Reports Containing Habitat Maps at Local and Regional Scales - TDR MF-2 , Marine Benthic Subtidal Study TDR RBT2 - Marine Invertebrates, Marine Fish and Fish Habitat - Marine Benthic Subtidal Study - August 2014 (VFPA/Hemmera).	
91	Vancouver Fraser Port Authority	RBT2 EIS	Marine Fish and Fish Habitat	Raw data (workable spreadsheets) from Appendix AIR10-C - Technical Data Reports Containing Habitat Maps at Local and Regional Scales - TDR MF-1 , Marine Fish Habitat Characterisation TDR - TDR RBT2 - Marine Fish - Marine Fish Habitat Characterisation - December 2014 (Hemmera/Archipelago).	
92	Vancouver Fraser Port Authority	RBT2 EIS	Marine Fish and Fish Habitat	Raw data (workable spreadsheets) from the Technical Data Report for the RBT2 Project - Marine Fish - Reef Fish Surveys - December 2014 (Hemmera/Archipelago).	
93	Vancouver Fraser Port Authority	RBT2 Response to Ministerial IR	Marine Fish and Fish Habitat	Raw data (workable spreadsheets) from Preamble to Offsetting-related information Requests (IR7-24 to -27, IR7-30, IR10-10, IR11-13 to -19, IR11-21) - RBT2 Offsetting Approach, 2018-11-30 (VFPA).	
94	Vancouver Fraser Port Authority	RBT2 Response to Ministerial IR	Marine Fish and Fish Habitat	Raw data from the Monitoring studies to support the juvenile salmon SUP element (commenced in 2010) - mentioned on p.2 of the RBT2 IR 2.2 Avoidance and Mitigation Measures for Project Construction - Juvenile Salmon.	
95	Vancouver Fraser Port Authority	RBT2	Marine Fish and Fish Habitat	Raw data (workable spreadsheets) from all years since 2011 (to 2022 and beyond) related to all fish and all fish habitat field studies.	
96	Vancouver Fraser Port Authority	RBT2	Marine Fish and Fish Habitat	Raw data (workable spreadsheets) from Eulachon hydroacoustic pilot study - work plan summary - 2020 March 18 (VFPA/ALS/Hemmera).	
97	Vancouver Fraser Port Authority	RBT2	Marine Fish and Fish Habitat	Raw data (workable spreadsheets) from RBT2 Follow-up Program element: Juvenile salmon density effects prediction: - May 5-23, 2020 baseline data collection, Weekly field work summary report - 2020-05-23 (VFPA). - May 25-31, 2020 baseline data collection, Weekly field work summary report - 2020-06-01 (VFPA). - June 22-26, 2020 baseline data collection, Weekly field work summary report - 2020-06-29 (VFPA). - June 30 - July 3, 2020 baseline data collection, Weekly field work summary report - 2020-07-06 (VFPA). - July 6, 2020 baseline data collection, Weekly field work summary report - 2020-07-17 (VFPA). - Annual Data Report (2020), 2020-02-04 (VFPA) and any previous or subsequent annual report data.	
98	Vancouver Fraser Port Authority	Tsawwassen Eelgrass Project	Marine Vegetation and Wetlands	Raw data (workable spreadsheets) from Project Permit Application SCUBA Survey Results: Habitat Enhancement Program: Tsawwassen eelgrass project - Attachment 4 SCUBA Survey Results (January 2017 VFPA).	
99	Vancouver Fraser Port Authority	Tsawwassen Eelgrass Project	Marine Vegetation and Wetlands	Raw data (workable spreadsheets) from Project Permit Application Project Description: Habitat Enhancement Program: Tsawwassen eelgrass project (January 2017 VFPA).	
100	Vancouver Fraser Port Authority	Tsawwassen Eelgrass Project	Marine Vegetation and Wetlands	Raw data (workable spreadsheets) from Project Permit Application Source Sediment Application: Habitat Enhancement Program: Tsawwassen eelgrass project - Attachment 6 Source Sediment Characterization (January 2017 VFPA).	
101	Vancouver Fraser Port Authority	RBT2 EIS	Marine Vegetation and Wetlands	Raw data from Marine Vegetation and Biofilm Studies: Biofilm Hyperspectral Mapping TDR (WorleyParsons 2015): Hyperspectral habitat mapping data, including ground truthing sampling data and lab analyses, collected in 2012.	
102	Vancouver Fraser Port Authority	RBT2 EIS	Marine Vegetation and Wetlands	Raw data from Marine Vegetation and Biofilm Studies: Biofilm Annual Variability TDR (WorleyParsons 2015): Biofilm biomass (i.e., lipids, carbs, TOC, pigments, fatty acids) and taxonomy data from 2013 sampling.	
103	Vancouver Fraser Port Authority	RBT2 EIS	Marine Vegetation and Wetlands	Raw data from Marine Vegetation and Biofilm Studies: Intertidal Marsh, Foreshore Habitat and Invertebrate, Eelgrass, Ulva, and Biomat Survey TDR (Hemmera 2014): Raw data from field surveys and habitat mapping conducted in 2013 and 2014.	



#	Name of Federal Authority	Plans and Initiatives	Valued Component	Specific Information Request	Regulatory Response
104	Vancouver Fraser Port Authority	RBT2 EIS	Marine Vegetation and Wetlands	Raw data from Marine Invertebrate Studies: Infaunal and Epifaunal Invertebrate Communities TDR (Hemmera 2014): Intertidal and subtidal survey data collected from 2012 to 2014.	
105	Vancouver Fraser Port Authority	RBT2 EIS	Marine Vegetation and Wetlands	Raw data from Marine Invertebrate Studies: Orange Sea Pen TDR (Hemmera 2014): Data from SIMS and SCUBA dive surveys conducted in 2011.	
106	Vancouver Fraser Port Authority	RBT2 EIS	Marine Vegetation and Wetlands	Raw data from Disposal at Sea Studies: Subtidal Benthic Infauna and Epifauna Surveys for Disposal at Sea Site Characterisation TDR (Hemmera 2014): Data from ROV Study Component (Nov 2013), Infaunal Macroinvertebrate Study Component (Nov 2013), and Rake Trawl Study Component (Apr 2014).	
107	Vancouver Fraser Port Authority	RBT2 EIS	Marine Vegetation and Wetlands	Raw data from Sediment and Water Quality Studies: Sediment and Water Quality Characterisation TDR (Hemmera 2014): Sediment characterisation data collection in 2012 and 2013.	
108	Vancouver Fraser Port Authority	RBT2 Response to Ministerial IR	Marine Vegetation and Wetlands	Spatial datasets for baseline habitat mapping completed in 2019.	
109	Vancouver Fraser Port Authority	RBT2 Response to Ministerial IR	Marine Vegetation and Wetlands	Marine invertebrate raw data (density, biomass, and abundance), including macrofauna, meiofauna, infaunal bivalves, and orange sea pens, collected during empirical surveys undertaken for the project in 2019.	
110	Vancouver Fraser Port Authority	RBT2 Response to Ministerial IR	Marine Vegetation and Wetlands	Shorebird and Biofilm Dynamics during Northward Migration (Hemmera and Advisian 2017): Biofilm biomass (i.e., lipids, carbs, TOC, pigments, fatty acids) and taxonomy raw data from 2016 sampling.	
111	Vancouver Fraser Port Authority	Habitat Enhancement Program (Salt Marsh Restoration Projects)	Marine Vegetation and Wetlands	All monitoring reports and associated raw data for the VFPAs saltmarsh restoration projects in Roberts Bank and Boundary Bay (GL Williams & Associates Ltd. and Hemmera 2014, GL Williams & Associates Ltd. 2015, 2016, 2017, GL Williams Associates Ltd. and Moffatt & Nichol 2019a and b) and any other reports/data related to pre-restoration conditions or assessment.	
112	Vancouver Fraser Port Authority	Habitat Enhancement Program (South Causeway Eelgrass Project)	Marine Vegetation and Wetlands	All reports and associated data for the VFPAs proposed south causeway eelgrass project. For example, existing conditions (Hemmera 2015), design (Moffatt and Nichol 2020), and geotechnical assessment (Golder 2017).	
113	Vancouver Fraser Port Authority	DP3 Habitat Compensation Monitoring Program	Marine Vegetation and Wetlands	Precision Identification. 2016. Letter Report on the Deltaport Third Berth (DP3) Eelgrass Transplant. Prepared for Vancouver Fraser Port Authority, Environmental Programs, Prepared by Cynthia Durance, Precision Identification.	
114	Vancouver Fraser Port Authority	DP3 Adaptive Management Strategy	Marine Vegetation and Wetlands	Raw data from eight-year monitoring program, including surface water and sediment quality data, eelgrass distribution and health data, and benthic community structure data.	
115	Vancouver Fraser Port Authority	DP3 Impact Assessment	Marine Vegetation and Wetlands	Raw data from baseline studies of marine vegetation and invertebrates collected for the DP3 impact assessment.	
116	Vancouver Fraser Port Authority	Roberts Bank Environmental review	Birds and Their Habitat	Raw data from the 1994/1995 Burger and Cassidy study on <i>Effect of overhead transmission wires and other hazards to birds along the causeway</i> .  Burger, A., and A. Cassidy. 1995. <i>Impacts of overhead transmission wires on birds at the Roberts Bank Superport in 1994-1995</i> . Prepared by: Alan Burger Environmental Science and Ornithology. Prepared for: Roberts Bank Environmental Review Committee, BC Hydro and Vancouver Port Corporation. Technical Report, Victoria, B.C.	
117	Vancouver Fraser Port Authority	Roberts Bank Environmental review	Birds and Their Habitat	Raw data from the 1997/1998 Cassidy et al. report/study on <i>Efficacy of spiral vibration dampers to reduce bird collisions with overhead transmission wires along the causeway</i> .  Cassidy, A. L. V., A. E. Burger, and M. J. F. Lemon. 1998. <i>Testing the efficacy of Spiral Vibration Dampers™ to reduce bird collisions with overhead transmission wires at the Roberts Bank Superport in 1997</i> . Prepared for: Vancouver Port Corporation and BC Hydro. Technical Report, Vancouver, B.C.	

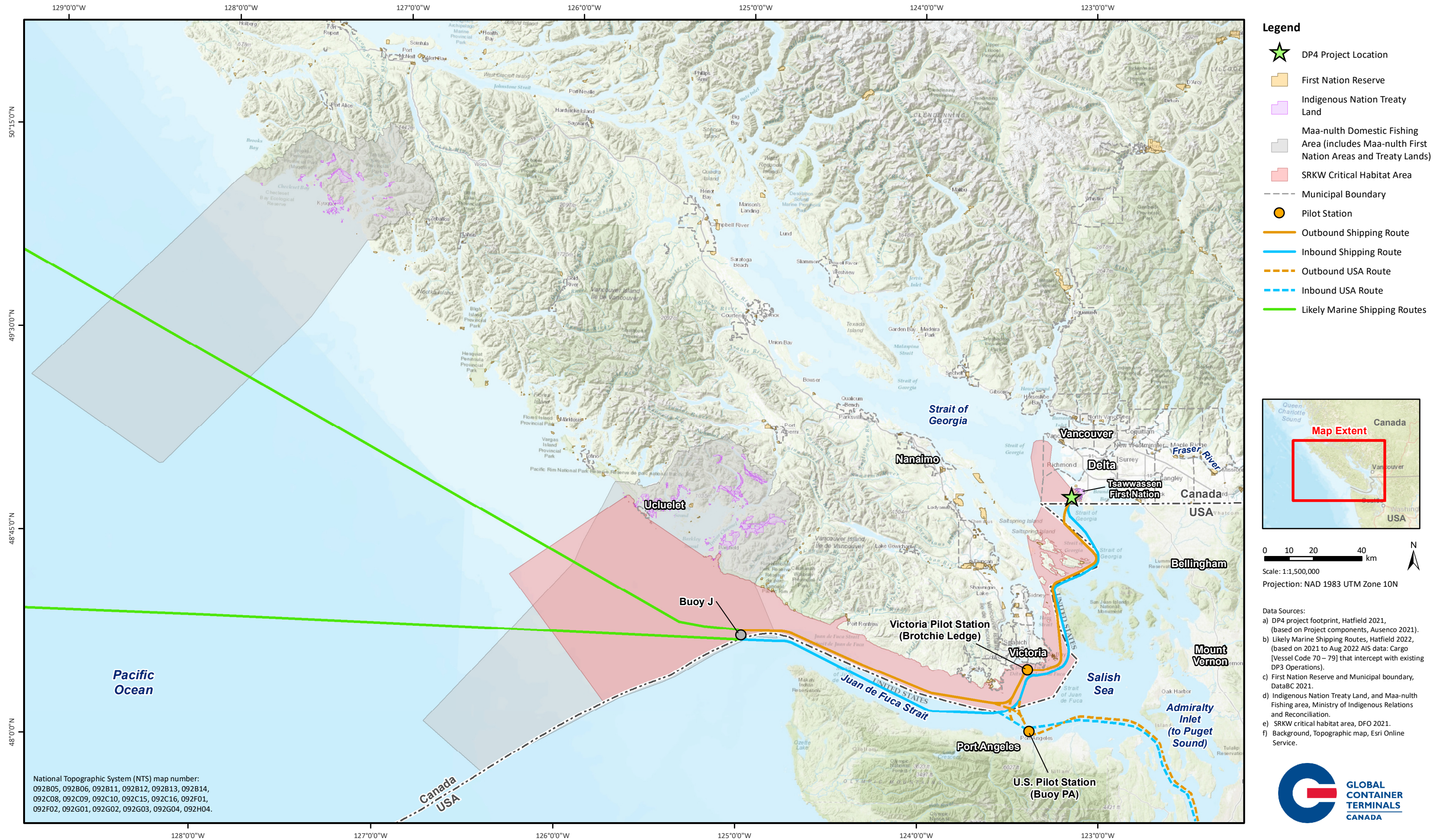


#	Name of Federal Authority	Plans and Initiatives	Valued Component	Specific Information Request	Regulatory Response
118	Vancouver Fraser Port Authority	Roberts Bank Environmental review	Birds and Their Habitat	Report and associated raw data from the 1983/1984 Roe and Williams study on hazards to birds at Roberts Bank Coalport.  Roe, N. A., and M. T. Williams. 1984. A field study to determine hazards to birds at Roberts Bank Coalport, including a review of potential mitigation measures. Prepared by B.C. Environmental Management Associates for Roberts Bank Environmental Review Committee, Port of Vancouver B.C.	
119	Vancouver Fraser Port Authority	RBT2	Birds and Their Habitat	Monitoring report and associated raw data from the 2005 Next study on Impacts of overhead transmission wires on birds at the Roberts Bank causeway.  Next. 2005. <i>Impacts of overhead transmission wires on birds at the Roberts Bank causeway</i> . Draft report, Next Environmental Inc. Prepared for Vancouver Port Authority.	
120	Vancouver Fraser Port Authority	RBT2	Birds and Their Habitat	Any monitoring reports and associated raw data from recent traffic studies for the RBT2 project.	
121	Vancouver Fraser Port Authority	RBT2	Birds and Their Habitat	Any monitoring reports and associated raw data from recent bird strike surveys/collision studies for the RBT2 project.	
122	Vancouver Fraser Port Authority	RBT2	Birds and Their Habitat	Any monitoring reports and associated raw data from any existing vegetation and wildlife programs conducted for the Fraser River estuary and Salish Sea. - (Panel Recommendation 70).	
123	Vancouver Fraser Port Authority	RBT2	Birds and Their Habitat	Any monitoring reports and associated raw data for the RBT2 field study: Coastal birds - Diving birds baseline data (September 2020 - February 2021) and follow-up program (February 2021 - May 2021) and any additional data up to 2023.	
124	Vancouver Fraser Port Authority	RBT2	Birds and Their Habitat	Any monitoring reports and associated raw data for the RBT2 field study: Coastal birds - Great blue heron baseline data (June - September 2020).	
125	Vancouver Fraser Port Authority	RBT2	Birds and Their Habitat	Any monitoring reports and associated raw data for the RBT2 field study: Coastal birds - Barn owl baseline data (July - September 2020).	
126	Vancouver Fraser Port Authority	RBT2	Birds and Their Habitat	Any monitoring reports and associated raw data for the RBT2 field study: Coastal birds - shorebird abundance and foraging use in the Fraser River Estuary during migration study (April 2012 - May 2016).	
127	Vancouver Fraser Port Authority	RBT2	Birds and Their Habitat	Any monitoring reports and associated raw data for the RBT2 field study: Coastal birds - Effects of lighting on shorebirds (April 2014).	
128	Vancouver Fraser Port Authority	RBT2	Birds and Their Habitat	Any monitoring reports and associated raw data for the RBT2 field study: Coastal birds - Dunlin use of FRE during overwintering period (November 2013 - February 2014).	
129	Vancouver Fraser Port Authority	RBT2	Birds and Their Habitat	Any monitoring reports and associated raw data for the RBT2 field study: Coastal birds - effects of overhead transmission wires and vehicular traffic on birds study (April 2012 - September 2013).	
130	Vancouver Fraser Port Authority	RBT2	Birds and Their Habitat	Any monitoring reports and associated raw data for the RBT2 field study: Coastal birds - effects of overhead transmission lines and vehicular traffic on birds study (December 2014).	
131	Vancouver Fraser Port Authority	RBT2	Birds and Their Habitat	Any monitoring reports and associated raw data for the RBT2 field study: Coastal birds - Shorebird use of FRE during southward migration study (July - September 2012, July - September 2013).	
132	Vancouver Fraser Port Authority	RBT2	Birds and Their Habitat	Any monitoring reports and associated raw data for the RBT2 field study: Coastal birds - Shorebird use of FRE during northward migration (April - May 2013).	
133	Vancouver Fraser Port Authority	RBT2	Birds and Their Habitat	Any monitoring reports and associated raw data for the RBT2 field study: Coastal birds - Predation risk study (August 2013).	
134	Vancouver Fraser Port Authority	RBT2	Birds and Their Habitat	Any monitoring reports and associated raw data for the RBT2 field study: Coastal birds - General bird abundance and distribution study (May 2012 - May 2013).	
135	Vancouver Fraser Port Authority	RBT2	Birds and Their Habitat	Any monitoring reports and associated raw data for the RBT2 field study: Coastal birds - abundance and distribution of over-wintering shorebirds in the Fraser River Estuary study (November 2012 - March 2013).	
136	Vancouver Fraser Port Authority	RBT2	Birds and Their Habitat	Any monitoring reports and associated raw data for the RBT2 field study: Coastal birds - genetics of Pacific dunlin overwintering populations study (2012 - 2014).	

#	Name of Federal Authority	Plans and Initiatives	Valued Component	Specific Information Request	Regulatory Response
137	Vancouver Fraser Port Authority	RBT2	Birds and Their Habitat	Any monitoring reports and associated raw data for the RBT2 field study: Coastal birds – genetics of western sandpipers using FRE during northward migration (2012 – 2014).	
138	Vancouver Fraser Port Authority	RBT2	Birds and Their Habitat	Any monitoring reports and associated raw data for the RBT2 field study: Coastal birds – migratory connectivity of western sandpipers using the Fraser River Estuary study (2008 – 2014).	
139	Vancouver Fraser Port Authority	RBT2	Birds and Their Habitat	Any monitoring reports and associated raw data for the RBT2 field study: Coastal birds – coastal waterbird distribution and abundance study (May 2012 – May 2013).	
140	Vancouver Fraser Port Authority	RBT2	Birds and Their Habitat	Any monitoring reports and associated raw data for the RBT2 field study: Coastal Birds - Western sandpiper diet composition 2012 data (Oct 2014 report ).	
141	Vancouver Fraser Port Authority	RBT2	Birds and Their Habitat	Any monitoring reports and associated raw data for the RBT2 field study: Terrestrial wildlife – Barn Owl Habitat Suitability, Habitat Use, Site Occupancy and Collision Study (July – September 2012, March - October 2013, December 2012 – April 2013 for collision study).	
142	Vancouver Fraser Port Authority	RBT2	Birds and Their Habitat	Any monitoring reports and associated raw data for the RBT2 field study: Terrestrial wildlife – Amphibians and reptile study (March – August 2013).	
143	Vancouver Fraser Port Authority	RBT2	Birds and Their Habitat	Any monitoring reports and associated raw data for the RBT2 field study: Terrestrial wildlife – Songbird study (April – September 2013).	
144	Vancouver Fraser Port Authority	RBT2	Birds and Their Habitat	Any monitoring reports and associated raw data for the RBT2 field study: Terrestrial wildlife – Nocturnal agricultural habitat use by dunlin (January – March 2013).	
145	Vancouver Fraser Port Authority	RBT2	Birds and Their Habitat	Any monitoring reports and associated raw data for the RBT2 field study: Terrestrial wildlife – upland waterbirds study (November 2012 – March 2013).	
146	Vancouver Fraser Port Authority	RBT2	Birds and Their Habitat	Any monitoring reports and associated raw data for the RBT2 field study: Terrestrial wildlife – terrestrial invertebrates study (June – November 2012).	
147	Vancouver Fraser Port Authority	RBT2	Birds and Their Habitat	Any monitoring reports and associated raw data for the RBT2 field study: Terrestrial wildlife – Rare plant study (June - September 2012).	
148	Vancouver Fraser Port Authority	RBT2	Birds and Their Habitat	Any monitoring reports and associated raw data for the RBT2 field study: Terrestrial wildlife – small mammal habitat inventory (June - August 2012).	
149	Vancouver Fraser Port Authority	RBT2	Birds and Their Habitat	Any monitoring reports and associated raw data for the RBT2 field study: Lighting – Lighting impact assessment study (September 2013 – July 2014).	
150	Vancouver Fraser Port Authority	RBT2	Birds and Their Habitat	Any monitoring reports and associated raw data for the RBT2 field study: Terrestrial wildlife - Wintering Raptor Study.	
151	Vancouver Fraser Port Authority	RBT2	Birds and Their Habitat	Any monitoring reports and associated raw data for the RBT2 field study: Terrestrial wildlife - Terrestrial Ecosystem Mapping .	
152	Vancouver Fraser Port Authority	RBT2 EIS	Birds and Their Habitat	Any monitoring reports and associated raw data for Section 15.0 - Coastal Birds Effects Assessment of the RBT2 EIS (2015).	
153	Vancouver Fraser Port Authority	DP3	Birds and Their Habitat	Any monitoring reports and associated raw data for the DP3 Terrestrial Wildlife and Vegetation Assessment (2004).	

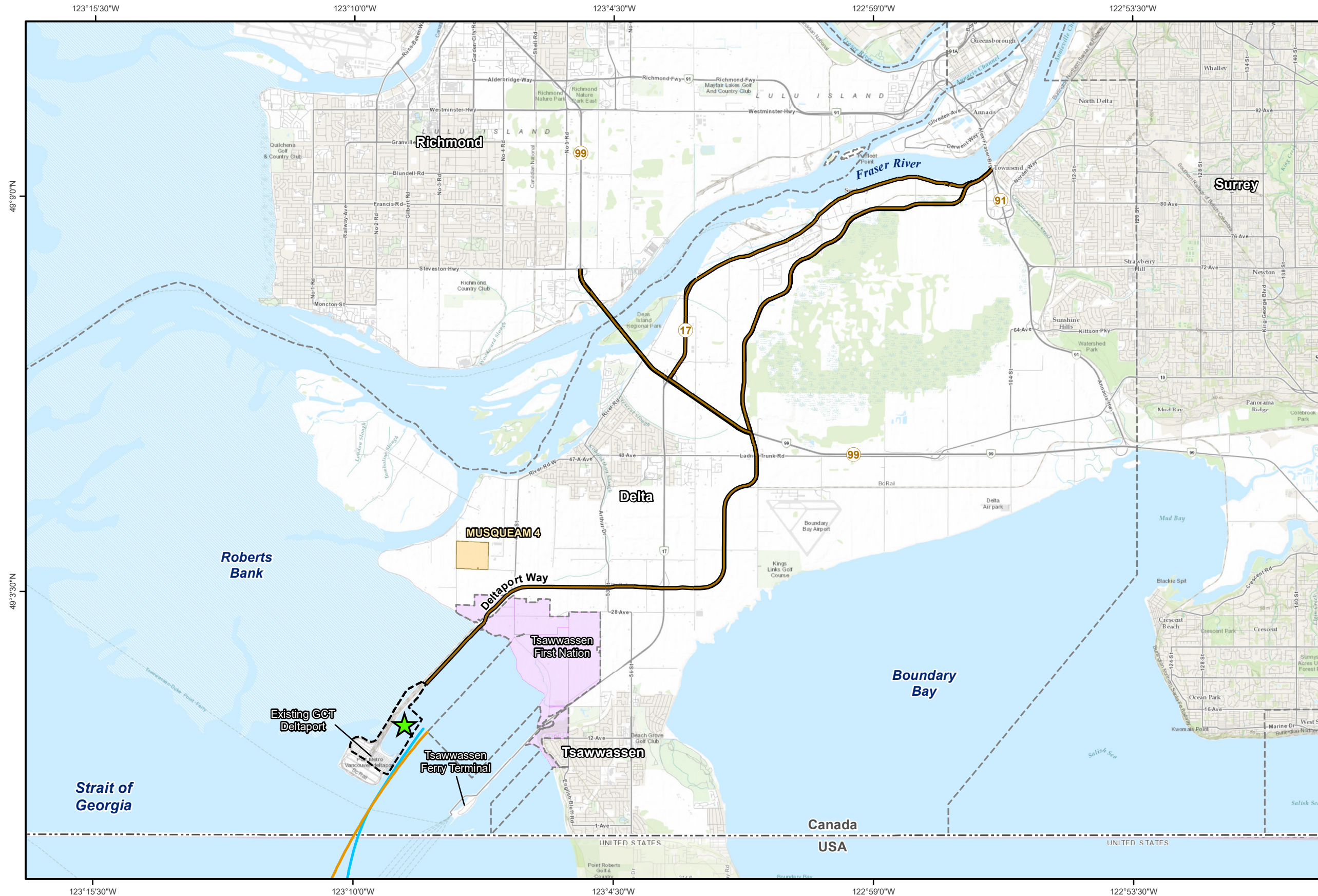


**Figure 1 Final geographic extent of the DP4 marine shipping assessment.**













**Figure 2 Final geographic extent of the DP4 road transportation assessment.**

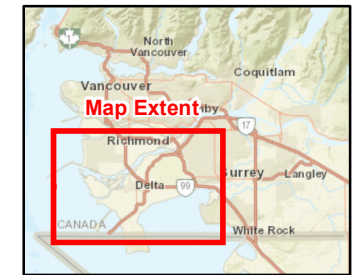


**Legend**

-  DP4 Project Location
-  Estimated New GCT/DP4 Lease Boundary
-  First Nation Reserve
-  Indigenous Nation Treaty Land
-  Municipal Boundary
-  Road Transportation Associated with DP4
-  Outbound Shipping Route
-  Inbound Shipping Route

**Note:**  
Road transportation associated with DP4 extent extends from GCT's lease boundary North along Highway 99 to the intersection with Steveston Highway, and East along Highway 17 and River Road to the intersection with Highway 91.

National Topographic System (NTS) map number: 092G02 and 092G03



0 1 2 3 km  
Scale: 1:100,000  
Projection: NAD 1983 UTM Zone 10N

- Data Sources:**
- a) DP4 project location, Hatfield 2021, (based on Project components, Ausenco 2021).
  - b) Lease boundary, Ausenco 2021.
  - c) First Nation Reserve and Municipal boundary, DataBC 2021.
  - d) Indigenous Nation Treaty Land, Ministry of Indigenous Relations and Reconciliation.
  - e) Roads, Digital Road Atlas, BC Government.
  - f) Background, Topographic Map, Esri Online Service.





**Figure 3 Final geographic extent of the DP4 rail transportation assessment.**

