

ABBREVIATIONS AND ACRONYMS

%HA	Percent Highly Annoyed
µg/m ³	Micrograms per Cubic Metre
µPa	Decibels Referenced to 1 Micropascal
AANDC	Aboriginal Affairs and Northern Development Canada
AB	Alberta
Aboriginal Groups	All First Nations or Aboriginal entities identified in Schedule B and Schedule C of the Section 11 Order and Section 13 Orders issued by EAO for the Project;
AED	Automated External Defibrillator
AIA	Archaeological Impact Assessment
AIR	Application Information Requirements
AIS	Automatic Identification System
AK	Alaska
ALC	Agricultural Land Commission
ALR	Agricultural Land Reserve
Application	Environmental Assessment Certificate Application
ARM	Ambient Ratio Method
ASEAN	Association of Southeast Asian Nations
AWQG	Approved Water Quality Guidelines
BBS	Breeding Bird Survey
BC	British Columbia
BC CDC	British Columbia Conservation Data Centre
BC WQGs	BC Water Quality Guidelines
BCAC	BC Ambulance Service
BCCSN	BC Cetacean Sightings Network
BCEAA / BC EAA	British Columbia Environmental Assessment Act
BCEAO	British Columbia Environmental Assessment Office
BCIOM	BC Input-Output Model
BCMCA	BC Marine Conservation Analysis
BCMPDCA	Best Management Practices for Pile Driving and Related Operations
BCR	Bird Conservation Region
BEC	Biogeoclimatic Ecosystem Classification
Bedload	grain diameters greater than 0.177 mm
BIEAP	Burrard Inlet Environmental Action Program
Blue	Vulnerable
BMP / BMPs	Best Management Practices
BOG	Boil Off Gas
BP	Before Present
BSL	Basic Sound Level
CA	California
CAAQS	Canadian Ambient Air Quality Standards

CAD	Consultative Areas Database
CadnaA	Computer Aided Noise Attenuation
CAO	Chief Administrative Officer
CCG	Canadian Coast Guard
CCME	Canadian Council of Ministers on the Environment
CCS	Carbon Capture and Storage
CCTAC	Canadian Commercial Total Allowable Catch
CD	Chart Datum
CDC	Conservation Data Centre
CDFmm	moist maritime Subzone of the Coastal Douglas Fir
CDOT	California Department of Transport
CEA Agency	Canadian Environmental Assessment Agency
CEAA 2012	Canadian Environmental Assessment Act, 2012
CEAR	Canadian Environmental Assessment Registry
CEMP	Construction Environmental Management Plan
CEQG	Canadian Environmental Quality Guidelines
CFA	Comprehensive Fisheries Agreement
CGVD28	Canadian Geodetic Vertical Datum 1928
CH ₄	Methane
CHR	Community Heritage Register
CHS	Canadian Hydrographic Service
CIE	Commission Internationale de L'Éclairage
CLI	Canadian Lifeboat Institution
CMA	Vancouver Census Metropolitan Area
CNA	Cowichan Nation Alliance
CO	Carbon Monoxide
CO ₂	Carbon Dioxide
CO ₂ e	Equivalent Carbon Dioxide
COPC	Constituents of Potential Concern
COSEWIC	Committee on the Status of Endangered Wildlife in Canada
CPR	Canadian Pacific Railway
CRA Fishery	Commercial, Recreational and Aboriginal Fishery
CRIMS	Coastal Resource Information Management System
CSA	Canadian Standards Association
cSEL	Cumulative Sound Exposure Level
CSR	Contaminated Sites Regulation
dB	Decibels
dBA	A-weighted Decibels
dBC	C-weighted Decibels
DEFRA	United Kingdom Department for Environment Food and Rural Affairs
Delta	City of Delta
Delta Fire	Delta Fire and Emergency Services

DFO	Fisheries and Oceans Canada
DL	District Lot
DPD	Delta Police Department
DPM	Diesel Particulate Matter
DU	Designatable Units
dw	Dry Wet
DWT	Deadweight Tonnage
EA	Environmental Assessment
EAC	Environmental Assessment Certificate
EC	Environment Canada
ECCC	Environment and Climate Change Canada
ECHO	Enhancing Cetacean Habitat and Observation
EMP	Environmental Management Plan
EN	Endangered
ENV	Ministry of Environment and Climate Change Strategy
EO	Economic Opportunity
EPCM	Engineering, Procurement and Construction Management
EPP	Environmental Protection Plan
ES: ms	Estuarine: Marsh
ESCP	Erosion and Sediment Control Plan
ESL	Effects Screening Level
FHA	Fraser Health Authority
FLNR	Ministry of Forests, Lands, Natural Resource Operations and Rural Development
FLNRO	Ministry of Forests, Lands, and Natural Resource Operations
FortisBC LNG Facility	FortisBC Tilbury LNG Plant Expansion Project
FPTCCCEA	Federal-Provincial-Territorial Committee on Climate Change and Environmental Assessment
FRAMP	Fraser River Ambient Monitoring Program
FRAP	Fraser River Action Plan
FREMP	Fraser River Estuary Management Program
FRO	Fraser River Objective
FRPA	<i>Forest and Range Practices Act</i> /Fraser River Port Authority
FRPD	Fraser River Pile and Dredge
FRWQO	Fraser River Ambient Water Quality Objectives
FSC	Food, Social, and Ceremonial
FSD	Fraser Surrey Docks
FTBB	Floating Temporary Bunker Berth
FTE	Full-Time Equivalents
g	grams
GBHMT	Great Blue Heron Management Team
GDP	Gross Domestic Product

GHG	Greenhouse Gas
GHGRP	Greenhouse Gas Reporting Program
GIS	Geographic Information System
GJ	Gigajoules
GJ/m ³	Gigajoules per Cubic Metre
Golder	Golder Associates Ltd.
GRI	Global Reporting Initiative
GSC	Geodetic
GWP	Global Warming Potential
H ₂ S	Hydrogen Sulphide
ha	Hectare
HA	Health Authority
HAZMAT	Hazardous Materials
Hbad	Buildings or Structures (adjacent)
HC	Health Canada
HCA	<i>Heritage Conservation Act</i>
HEP	Habitat Enhancement Program
HFC	Hydrofluorocarbons
HFLP	Hul'qumi'num Fisheries Society
HHRA	Human Health Risk Assessment
HHWLT	Higher High Water Large Tide
HHWMT	Higher High Water Mean Tide
HIA	Health Impact Assessment
Hmv	Modified Vegetation
HQ	Hazard Quotient
hr	Hour
HSDA	Health Service Delivery Area
HTG	Hul'qumi'num Treaty Group
HU	Habitat Units
Hz	Hertz
IA	Important Areas
IAPP	Invasive Alien Plant Program
IBA	Important Bird Area
IC	Intermediate Component
IDZ	Initial Dilution Zone
IEA	International Energy Agency
IESNA	Illuminating Engineering Society of North America
ILCR	Incremental Lifetime Cancer Risk
IMO	International Maritime Organization
IPCC	Intergovernmental Panel on Climate Change
ISO	International Organization for Standardization
IT: mf	Intertidal and Shallow Subtidal: Mudflats

ITA	Industry Training Authority
JRCC	Joint Rescue Co-ordination Centre
kHz	Kilohertz
km	Kilometres
kt	Kilotonnes
kt/year	Kilotonnes/year
LAA	Local Assessment Area
L _{dn}	day-night equivalent A-weighted noise level
L _{eq,day}	equivalent A-weighted noise level over daytime period
L _{eq,night}	equivalent A-weighted noise level over nighttime period
LFN	Low Frequency Noise
LHA	Local Health Area
LLWLT	Lower Low Water Large Tide
LLWMT	Lower Low Water Mean Tide
LNG	Liquefied Natural Gas
LOAEL	Lowest Adverse Effect Level
LULUCF	Land Use, Land-Use Change, and Forestry
m	Metre
m ²	Metres Squared
m ³	Metres Cubed
m ³ /day	Metres Cubed per Day
m ³ /s	Metres Cubed per Second
m ³ /year	Metres Cubed per Year
MATMP	Marine Access and Transportation Management Plan
MCA	Marine Conservation Atlas
MCP	Marine Communications Plan
MCTS	Marine Communications and Traffic Services
MEDS	MNBC Economic Development Strategy
MEIT	Marine Emissions Inventory Tool
MELP	former Ministry of Environment, Lands and Parks
MFLNRO	Ministry of Forests, Lands, and Natural Resource Operations
mg	Milligram
mg/L	Milligram per Litre
mm	Millimetre
mm ³ /year	Millimetre Cubed per Year
MMMP	Marine Mammal Management Plan
MMO	Marine Mammal Observer
MNBC	Métis Nation of BC
MOE	Ministry of Environment
MOH	Ministry of Health
MOTI	Ministry of Transportation and Infrastructure
MPOI	Maximum Point of Impingement

MRN	BC Major Road Network
MSP	Medical Service Plan
Mt	Megatonnes
Mt/year	Million Tonnes per Year
MWL	Mean Water Level
MWLAP	former Ministry of Water, Land and Air Protection
n.d.	No date
N/A	Not Applicable
N ₂ O	Nitrous Oxide
NAFTA	North American Free Trade Agreement
NAPS	National Pollutant Surveillance
NDC	Nationally Determined Contributions
NEB	National Energy Board
NHS	Statistics Canada's National Household Survey
NIR	National Inventory Report
NITS	Noise-Induced Threshold Shift
NMFS	National Marine Fisheries Service
No Status	Not Assessed
NO ₂	Nitrogen Dioxide
NOAA	National Oceanic and Atmospheric Administration
NRC	Natural Resources Canada
NTU	Nephelometric Turbidity Unit
NWA	National Wildlife Areas
NWA	National Wildlife Areas
NWPTA	New West Partnership Trade Agreement
NWPTA	New West Partnership Trade Agreement
OCP	Official Community Plan
OEHHA	Office of Environmental Health Hazard Assessment
OEMP	Operational Environmental Management Plan
OGC	British Columbia Oil and Gas Commission
OMOE	Ontario Ministry of the Environment, Conservation and Parks
OR	Oregon
PAHs	Polycyclic Aromatic Hydrocarbons
PBDE	Polybrominated Diphenyl Ether
PC	Pathway Component
PCA	Parks Canada Agency
PCB	Polychlorinated Biphenyls
PCDD	Polychlorinated dibenzo-p-dioxins
PCDF	Polychlorinated dibenzofurans
PCIC	Pacific Climate Impact Consortium
PER	Project and Environmental Review
PFC	Perfluorocarbons

PFMA	Pacific Fishery Management Area
pg/g	picogram / gram
pg/g dw	picogram / gram dry weight
PIANC	World Association for Waterborne Transport Infrastructure
PM	Particulate Matter
PMV	Property Management Revenues
PPA	Pacific Pilotage Authority
Project	WesPac Tilbury Marine Jetty Project
PRRO	People of the River Referrals Office
PRV	Partially Reversible
PSL	Permissible Sound Level
PSPC	Public Services and Procurement Canada
PST	Provincial Sales Tax
PTS	Permanent Threshold Shift
PWC	Public Works Canada
PWGSC	Public Works and Government Services
RAA	Regional Assessment Area
RCMP	Royal Canadian Mounted Police
RCM-SAR	Royal Canadian Marine Search and Rescue
Red	Extirpated, Endangered or Threatened
RI: ff	Riparian: Fringe
RI: mf	Riparian: Mudflat
RIC	Resources Inventory Committee
RIM	Richmond's Interactive Map
RISC	Resource Information Standards Committee
RMS	Root-mean-square
RSL	Regional Screening Levels
SAR	Species at Risk / Search and Rescue
SARA	<i>Species at Risk Act</i>
SC	Special Concern
SCH	Small Craft Harbours
SD	Standard Deviation
SEI	Sensitive Ecosystem Inventory
SEL	Sound Exposure Level
SF ₆	Sulphur Hexafluoride
SIGTTO	Society of International Gas Tanker and Terminal Operators
SIMP	Social Impact Management Plan
SLR	Sea Level Rise
SLRP	Strategic Land and Resource Plan
SMS	Scenery Management System
SO ₂	Sulphur Dioxide
SOLAS	International Convention for the Safety of Life at Sea

SPERP	Spill Prevention and Emergency Response Plan
SPL	Sound Pressure Levels
SRKW	Southern Resident Killer Whale
SSA	Stó:lō Service Agency
suspended load	grain diameters less than 0.177 mm
t	Tonnes
TAC	Total Allowable Catch
TC	Transport Canada
TCC	Terminal Commercial Catch
TCEQ	Texas Commission on Environmental Quality
TEK	Traditional Ecological Knowledge
TEQ	Toxic Equivalency Quotient
TEUs	Twenty-foot Equivalent Units
TFA	Tsawwassen Final Agreement
TH	Threatened
THA	Tsawwassen Harvest Agreement
TLU	Traditional Land Use
TLUS	Traditional Land Use Study
TOC	Total Organic Carbon
TRV	Toxicity Reference Value
TSA	Technical Study Area
TSHD	Trailing Suction Hopper Dredging
TSS	Total Suspended Solids
TTS	Temporary Threshold Shift
TU	Traditional Use
TUS	Traditional Use Study
TWN EcDev	Tsleil-Waututh Economic Development Department
UBC	University of British Columbia
UKC	Under Keel Clearance
UNFCCC	United Nation Framework Convention on Climate Change
US	United States of America
US EPA	US Environmental Protection Agency
USDI BLM	US Department of the Interior Bureau of Land Management
USFS	US Forest Service
UTM	Universal Transverse Mercator
VAFFC	Vancouver Airport Fuel Facilities Corporation
VC	Valued Component
VEC	Vancouver Economic Commission
VFPA	Vancouver Fraser Port Authority
VGH	Vancouver General Hospital
VLI	Visual Landscape Inventory
VOC	Volatile Organic Compounds

VRM	Visual Resource Management
VTs	Vessel Traffic Services
WA	Washington
WCA	BC <i>Weed Control Act</i>
WCI	Western Climate Initiative
WesPac	WesPac Midstream—Vancouver LLC
Weyerhaeuser	Weyerhaeuser Company Limited
WHO	World Health Organization
WHSRN	Western Hemispheric Shorebird Reserve Network
WMA	Wildlife Management Area
WMP	Wildlife Management Plan
WMU	Wildlife Management Unit
WN: sp	Wetland: Swamp
WN: sw	Wetland: Shallow Water
WQG	Water Quality Guidelines
WRF	Western Research and Forecast
WSC	Water Survey Canada
WWQG	Working Water Quality Guidelines
WWTP	Waste Water Treatment Plant
Yellow	Not at Risk
ZOI	Zone of Influence