



NEW ANNUAL VESSEL TRANSITS

1	Discovery LNG	732*
2	Woodfibre LNG	96
3	Cargill Limited	88
4	Neptune Bulk	352*
5	G3 Terminal	224
6	Centerm Container	104*
7	Viterra Pacific	170
8	Kinder Morgan TMX Pipeline	696
9	Pacific Coast Terminals	88
10	Fraser Surrey Docks	160
11	WesPac LNG	244
12	Vancouver Airport Fuel	76
13	Roberts Bank Terminal 2	520
14	Westshore Terminals	86
15	GCT Deltaport Terminal	(increase in vessel size)
16	Mahalat LNG	244
17	Tesoro Refinery	120
18	Cruise Seattle	48
19	Seaport Alliance	(increase in vessel size)
20	Westway Expansion	238
TOTAL NEW TRANSITS		4,286
2015 TRANSITS		11,580
TOTAL 2015 + NEW TRANSITS		15,866

* = Estimate

Of all these new projects, the expansion of the Trans Mountain Pipeline would result in the greatest oil spill risk: a 9-fold (800%) increase of a 20,000 barrel or larger spill over the next ten years in Haro Strait/Boundary Pass

91% of new vessel traffic is bound for BC and 9% bound for WA ports

No increased vessel traffic included as a result of the December 2015 lifting of the ban on US crude oil exports

For more info see reverse side and www.sanjuans.org/safeshipping or <http://www.foe.org/projects/oceans-and-forests/oceangoing-vessels/shipping-campaign>

November 2016



Salish Sea Vessel Traffic Projections: New and Expanding Terminals and Refinery		Current Capacity	Proposed Approved & Recent Increase in Capacity	Current Vessel Transits	Proposed Approved & Recent Increase in Transits	Project Status Summary
1	Discovery LNG, Campbell River, BC	0	20 MTPA	0	VTRA Est.: 732	LNG export license issued in June '15.
2	Woodfibre LNG, Squamish BC	0	2.1 MTPA	0	96	LNG export license issued in Dec. '13. EA certificate/project approval Aug '16.
3	PoV: Cargill Limited – Grain	3,400,000 MT	1,600,000 MT	176	88	Permit issued March '15. Estimate construction completed by June '16.
4	PoV: Neptune Terminals - Coal	12.5 MMTA	6 MMTA Coal		VTRA Est.: 352	Coal upgrades/construction were scheduled to be completed in '15.
5	PoV: G3 Terminal – Grain		8,000,000 MT	112	224	Approved facility conversion and expansion from break bulk to grain.
6	PoV: Centerm Container Terminal	900,000 TEU	600,000 TEU	268	PoV Est.: 104	Permit application under preliminary review.
7	Viterra Pacific Terminal – Grain	1,900,000 MT	3,100,000 MT	156	170	Final project permit issued in July '15.
8	PoV: Kinder Morgan Trans Mtn. Pipeline Westridge Terminal – Crude Oil	300,000 BPD	590,000 BPD	120	696	National Energy Board recommended approval in May '16. Final decision on project application due Dec. '16.
9	PoV: Pacific Coast Terminals - Potash				88	New rail unloading and potash storage. Project permit issued March '15.
10	PoV: Fraser Surrey Docks - Coal	0	4 MMTA	0	160	Project permit issued in August '14. Application amended Nov. '15.
11	PoV: WesPac LNG	0	3.5 MTPA	0	244	LNG export license issued in May '15. Transits incl. both OGV and bunkering.
12	Vancouver Airport Fuel Facility Consortium	0	–	0	76	Facility receives fuel from Anacortes, WA for Vancouver airport.
13	PoV: Roberts Bank 2 Container Terminals	0	2,400,000 TEUs	0	520	Environmental Impact Statement filed in March '15.
14	PoV: Westshore Terminals - Coal	2014: 30.6 MT		2012: 540	86	\$275 million expansion in '14 - '18.
15	PoV: Global Container Terminals (GCT) Deltaport	1,800,000 TEUs	600,000 TEUs	Increase in vessel size		Permit issued Oct. '15. Construction to take approximately 30 months.
16	Island Gas Connector Pipeline & Malahat LNG floating export facility	0	Pipeline: 30 MTPA; Malahat: 6 MTPA	0	244	Pipeline project requires US and Canada approvals. LNG export license issued in June '15.
17	Tesoro Refinery, Anacortes WA	0	5,475,000 bbl/year	0	120	Application submitted June '15 to produce xylene for export to Asia.
18	Port of Seattle, Cruise Seattle, WA	2015: 959,845 passengers	2017: over 1,000,000 passengers	2015: 384	48	Cruise ships depart Piers 66 and 91. Pier 66 is undergoing a \$30M upgrade.
19	NW Seaport Alliance, Seattle and Tacoma WA	3,400,000 TEUs	2,600,000 TEUs	Increase in vessel size		Seattle and Tacoma ports' alliance plans to expand container terminals.
20	Westway Expansion Project, Grays Harbor, WA	–	17,900,000 bbl/year	–	238	Proposed transport of crude oil to WA refineries. Final EIS issued Sept. '16.
Transit totals by product/vessel type: Coal & Potash = 686, Container = 624, Crops = 482, Cruise = 48, LNG = 1,316, Oil = 1,130						
Total New, Approved, & Proposed Vessel Transit Increases					4,286 = 37% Increase	in Annual Vessel Traffic
2015 Total Vessel Transits in the Salish Sea					11,580	
2015 Transits + New, Approved, & Proposed Annual Transits					15,866	

No local barge traffic, anchoring, cueing, and/or bunkering (ship fueling) transits included - only OGV traffic included except for all Vancouver Airport Fuel Facility Consortium and some WesPac LNG vessel traffic.

Abbreviations: bbl = barrels, BPD = barrels per day, LNG = liquefied natural gas, MT = metric tonnes, MMTA = million metric tonnes per annum, MTPA = million tonnes per annum, OGVs = Ocean-Going Vessels, PoV = Port of Vancouver, TEU = twenty-foot equivalent unit, VTRA = Vessel Traffic Risk Assessment