

# Vessel Entries And Transits for Washington Waters

# VEAT 2001

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## OVERVIEW

This **V**essel **E**ntries **A**nd **T**ransit — “**VEAT**” — data is offered by the Washington State Department of Ecology (Ecology) in response to public requests for information about vessel traffic in Washington waters. The data identifies vessels regulated by Ecology. These include:

- Cargo and passenger vessels 300 gross tons and larger; and
- Tank ships and tank barges, transporting oil, of any tonnage.

**VEAT** lists data by vessel destination and vessel type, and does not reflect specific products or commodities transported or delivered.

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## TERMS AND DEFINITIONS

### C & P

Cargo and passenger vessels 300 gross tons or larger.

### TANK SHIP (TANKER)

A self-propelled tank vessel of any gross tonnage, engaged in the transport of crude oil, refined petroleum products, or chemicals. See "Tank Ship Classification in VEAT" for detailed description of how tankers are classified and counted for this report.

### ENTERING TRANSIT

The passage of a vessel from sea or from Canadian waters into Washington state waters, regardless of destination. The trip back to sea is not counted. A vessel may be credited with multiple entering transits over a specified period, such as a calendar year.

Entering transits on the Columbia River that call at a Washington port *and* an Oregon port during a single voyage on the Columbia River are counted as an entering transit bound for a Washington port.

### INDIVIDUAL VESSEL

A vessel counted only once within a specified time period (such as a calendar year), even if the vessel calls in Washington state waters more than once during the specified time period.

### TANK BARGE

A barge of any tonnage, engaged in the transport of crude oil, refined petroleum products, or chemicals.

### TANK BARGE TRANSIT

Any significant move between two locations, via Washington state waters, while transporting crude oil, refined petroleum products, or chemicals.

### FERRY

Any ferry boat 300 gross tons or larger operating in Washington state waters. Ferries with a fuel capacity of fewer than 6,000 gallons are not regulated by Ecology, even if they are 300 gross tons or larger. There were no ferries of 300 gross tons or larger operating on the Columbia River or in Grays Harbor/Aberdeen during calendar year 2001. A ferry transit is defined as any trip from an origination terminal to a destination terminal.

## TANK SHIP CLASSIFICATION IN VEAT

### CHEMICAL TANKERS

Chemical tankers are counted as petroleum tankers if they are transporting petroleum products. Chemical tankers are included in the tank ship section of VEAT, items 10-18.

### EDIBLE OIL TANKERS

Edible oil tankers (e.g. vegetable oil) are counted as dry cargo vessels and are included in the cargo and passenger section of VEAT, items 1-9.

### LNG, LPG, AND LG TANKERS

Liquefied Natural Gas (LNG), Liquefied Petroleum Gas (LPG), and Liquefied Gas (LG) tankers are counted as bulk cargo carriers. These specialized vessels are not certified to transport crude oil, refined petroleum products, or chemicals. Some examples of the products carried by these vessels are: LNG (methane), LPG (propane or butane), and LG (anhydrous ammonia). LNG, LPG, and LG tankers are included in the cargo and passenger section of VEAT, items 1-9.

### O/B/O VESSELS (OIL/BULK/ORE)

O/B/O vessels are multi-purpose tanker/bulkers that are certified to transport petroleum products and chemicals. O/B/O vessels that transported oil in Washington during the calendar year are included in the tank ship section of VEAT, items 10-18.

### TANKERS BOUND FOR SHIPYARDS

Tankers bound for shipyards for repair and routine maintenance are required to be empty, clean, and gas free. Since these vessels are not transporting petroleum products or chemicals, they are included in the cargo and passenger section of VEAT, items 1-9.

### TANKERS BOUND FOR LAY-UP

Tankers bound for lay-up are required to be empty, clean and gas free. These vessels are included in the cargo and passenger section of VEAT, items 1-9.

## Department of Ecology

**VESSEL ENTRIES AND TRANSITS: 2001**

VESSEL TYPE AND DESTINATION	ENTERING TRANSITS	INDIVIDUAL VESSELS
1) C & P bound for Washington ports in Puget Sound via Strait of Juan de Fuca	1937	702
2) C & P bound for Washington ports in Puget Sound via Strait of Georgia & Haro Strait	565	227
3) C & P bound for Washington ports on the Columbia River	733	402
4) C & P bound for Gray's Harbor/Aberdeen	43	32
5) C & P bound for Washington ports: (Sum of 1-4 above)	<b>3278</b>	<b>1363</b>
6) C & P bound for Oregon ports on the Columbia River	945	408
7) C & P bound for Canadian ports via Strait of Juan de Fuca	2306	1252
8) C & P bound for U.S. ports (Sum of 5 & 6 above)	<b>4223</b>	<b>1771</b>
9) C & P grand total (sum of 5-7 above)	<b>6529</b>	<b>3023</b>
10) Tank ships bound for Washington ports in Puget Sound via Juan de Fuca	533	94
11) Tank ships bound for WA ports in Puget Sound via Strait of Georgia & Haro Strait	27	21
12) Tank ships bound for Washington ports on the Columbia River	64	27
13) Tank ships bound for Grays Harbor/Aberdeen	0	0
14) Tank ships bound for Washington ports: (Sum of 10-13 above)	<b>624</b>	<b>142</b>
15) Tank ships bound for Oregon ports on the Columbia River	139	32
16) Tank ships bound for Canadian ports via Strait of Juan de Fuca	99	37
17) Tank ships bound for U.S. ports (Sum of 14 & 15 above)	763	174
18) Tank ship grand total (Sum of 16 & 17 above)	<b>862</b>	<b>211</b>
19) Grand totals: all vessels, all destinations (Sum of 9 & 18)	<b>7391</b>	<b>3234</b>

TANK BARGES (OPERATING AREA)	TRANSITS
1) Puget Sound	2856
2) Columbia River	1403
3) Grays Harbor/Aberdeen	0
4) Grand total of transits in Washington waters (Sum of 1-3 above)	<b>4259</b>
5) Total number of individual tank barges operating in Washington State waters in 2001:	<b>63</b>
6) Number of barge companies that operate tank barges in Puget Sound	14
7) Number of barge companies that operate tank barges on the Columbia River	7
8) Number of barge companies that operate tank barges in Grays Harbor/Aberdeen	0
9) Total number of barge companies that operate tank barges on Washington waters	<b>15</b>

FERRIES (PUGET SOUND)	TRANSITS	INDIVIDUAL FERRIES
1) Washington State Ferries	167,018	23
2) Alaska Marine Highway System	128	5
3) Black Ball Transport, Inc.	1814	1
4) Total (Sum of 1-3 above)	<b>168,960</b>	<b>29</b>

## FISHING VESSEL CLASSIFICATION

### COMMERCIAL FISHING VESSEL

Any commercial fishing vessel 300 gross tons or larger, including: trawlers, seiners, purse seiners, longliners, crabbers, ground fishers, scallopers, etc.

### FACTORY FISHING VESSEL/FISH PROCESSOR

Any commercial factory fishing vessel or fish processor 300 gross tons or larger “that commercially prepares fish or fish products other than by gutting, decapitating, gilling, skinning, shucking, icing, freezing, or brine chilling.” [USCG definition contained in *Federal Requirements for Commercial Fishing Industry Vessels*.]

## FISHING VESSEL DATA COLLECTION

### PREVIOUS DATA

Vessel Entry and Transit Data for Washington waters has been collected by Ecology for nine years. Fishing vessel data has been collected for only eight years. To obtain copies of VEAT '93 through VEAT 2000, please contact the Department of Ecology – Publications Distribution Office at (360) 407-7472. VEAT '98 through VEAT 2000 are also available on the Ecology Web site, at [www.ecy.wa.gov/programs/spills/spills.html](http://www.ecy.wa.gov/programs/spills/spills.html)

**NOTE:** All data in this publication are for calendar year 2001.

WASHINGTON STATE

Department of Ecology

# VESSEL ENTRIES AND TRANSITS: 2001

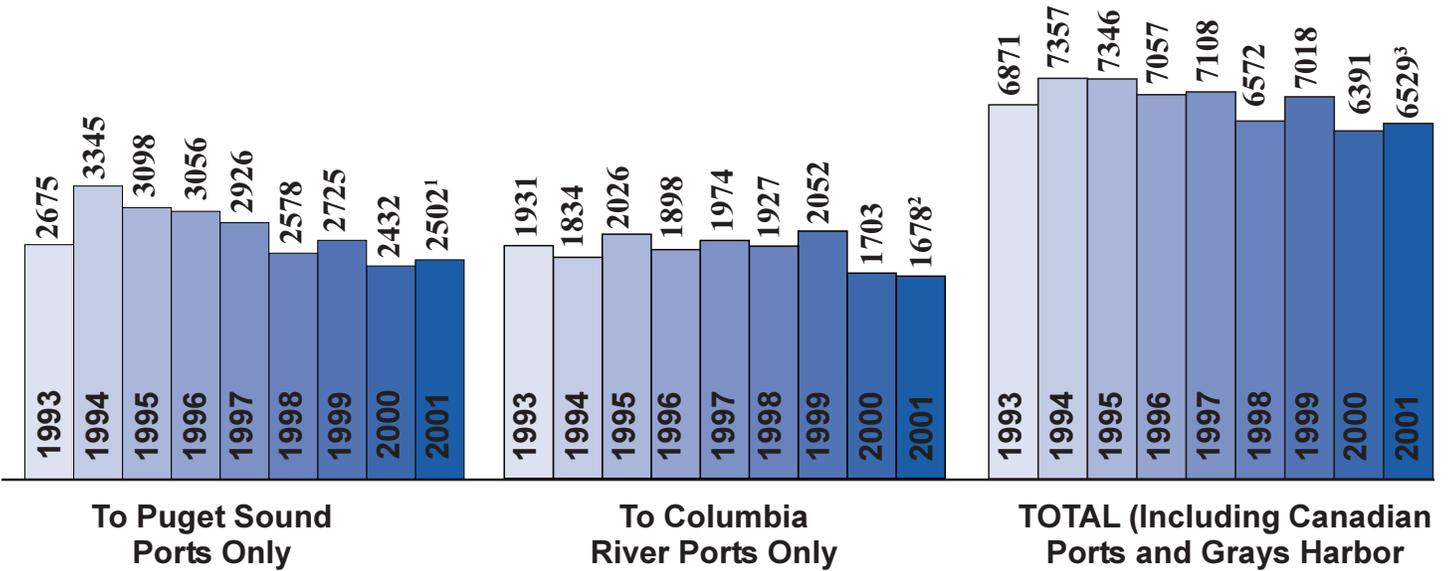
COMMERCIAL FISHING VESSELS AND FACTORY FISHING VESSELS/FISH PROCESSORS	ENTERING TRANSITS	INDIVIDUAL VESSELS
1) Commercial fishing vessels bound for Washington ports via Strait of Juan de Fuca	63	46
2) Commercial fishing vessels bound for WA ports via Strait of Georgia & Haro Strait	127	38
3) Total commercial fishing vessels bound for Washington ports in Puget Sound via Strait of Juan de Fuca, Strait of Georgia, and Haro Strait (Sum of 1 & 2 above)	<b>190</b>	<b>84</b>
4) Commercial fishing vessels bound for Canadian ports via Strait of Juan de Fuca	70	8
5) Total commercial fishing vessels bound for Washington ports in Puget Sound or transiting Washington waters enroute to Canada (Sum of 3 & 4 above)	<b>260</b>	<b>92</b>
6) Factory fishing vessels/fish processors bound for Washington ports via Strait of Juan de Fuca	82	33
7) Factory fishing vessels/fish processors bound for Washington ports via Strait of Georgia and Haro Strait	18	7
8) Total factory fishing vessels/fish processors bound for WA ports in Puget Sound via Strait of Juan de Fuca, Strait of Georgia, and Haro Strait (Sum of 6 & 7 above)	<b>100</b>	<b>40</b>
9) Factory fishing vessels/fish processors bound for Canadian ports via Strait of Juan de Fuca	14	9
10) Total factory fishing vessels/fish processors bound for Washington ports in Puget Sound or transiting Washington waters enroute to Canada (Sum of 8 & 9 above)	114	49
11) Grand total any type fishing vessel bound for all destinations (Sum of 5 & 10 above)	<b>374</b>	<b>141</b>

**NOTE:** Fishing vessels and factory fishing vessels/fish processors are also included in cargo and passenger totals.



# COMPARISON OF VEAT '93 THROUGH VEAT 2001

## Cargo and Passenger Vessels: Entering Transits into Washington Waters

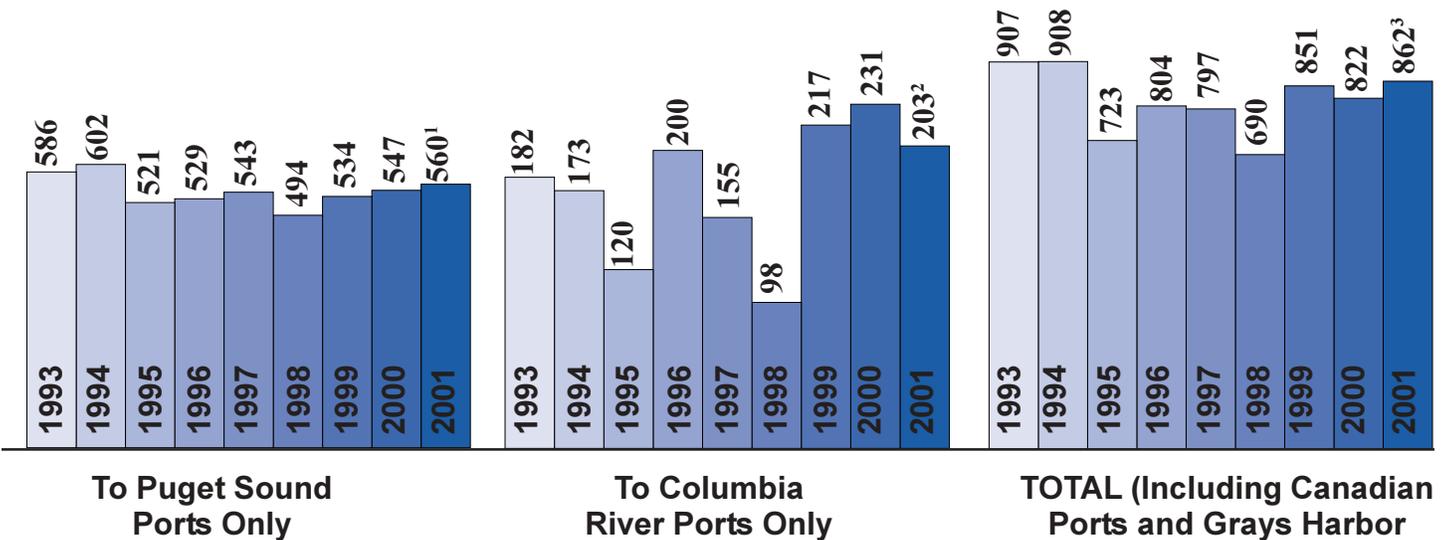


<sup>1</sup>Sum of 1 & 2: C & P (p.2)

<sup>2</sup>Sum of 3 & 6: C & P (p.2)

<sup>3</sup>Item 9: C & P (p.2)

## Tank Ships: Entering Transits into Washington Waters



<sup>1</sup>Sum of 10 & 11: Tank Ships (p.2)

<sup>2</sup>Sum of 12 & 15: Tank Ships (p.2)

<sup>3</sup>Item 18: Tank Ships (p.2)

## DATA SOURCES

### TOFINO VESSEL TRAFFIC (CANADIAN CG)

- Strait of Juan de Fuca and Puget Sound

### VANCOUVER VESSEL TRAFFIC (CANADIAN CG)

- Strait of Georgia, Haro Strait, and Puget Sound

### MERCHANTS EXCHANGE OF PORTLAND

- Columbia, Willamette, and Snake River Systems

### WASHINGTON BOARD OF PILOTAGE COMMISSIONERS

- Grays Harbor/Aberdeen/Hoquiam

### WASHINGTON STATE FERRIES

- Puget Sound ferry traffic

### ALASKA MARINE HIGHWAY SYSTEM

- Washington/Alaska ferry traffic

### BLACK BALL TRANSPORT, INC.

- Washington/Victoria ferry traffic

### THE AMERICAN WATERWAYS OPERATORS

- Tank barge transits: Washington waters

### PUGET SOUND PILOTS

- Tankers bound for lay-up in Puget Sound

### COLUMBIA RIVER PILOTS

- Tankers bound for lay-up on Columbia River

### TODD PACIFIC SHIPYARDS CORPORATION

- Tankers bound for Todd Shipyard in Seattle

### CASCADE GENERAL SHIPYARD

- Tankers bound for Cascade General Shipyard (Swan Is.)

### J.R. SIMPLOT COMPANY – PORTLAND

- LNG/LPG/LG Tankers calling at J.R. Simplot – Rivergate

### ECOLOGY MARINE INFORMATION SYSTEM DATABASE

- Vessel data collected by the Department of Ecology

### VANCOUVER PORT AUTHORITY – VANCOUVER B.C.

- Determination of commodities transported by tankers

## AGENCY CONTACT

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