

# Vessel Entries And Transits for Washington Waters

## VEAT '97

### OVERVIEW

This **Vessel Entries And Transit**—"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 only. These include:

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

Thus, the data may not match sources characterizing other vessel populations. **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

A motor driven tank vessel of any gross tonnage, engaged in the transport of crude oil, refined petroleum products, or chemicals. See next column for detailed description of how tankers are classified and counted for this report.

### ENTERING TRANSIT

The passage of a vessel from sea or 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 move between two locations, via Washington State waters, while transporting crude oil, refined petroleum products, or chemicals.

### FERRY

Any ferry boat of 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 in 1997.

## TANK SHIP CLASSIFICATION IN VEAT

### CHEMICAL TANKERS

Chemical tankers are counted as petroleum tankers because tankers capable of transporting chemicals are equally capable of transporting petroleum products. Chemical tankers are included in the tank ship section of VEAT, items 10-18.

### EDIBLE OIL TANKERS

Edible oil tankers are counted as petroleum tankers because edible oil tankers are capable of and certified to transport petroleum products. Most edible oil tankers are included in the tank ship section of VEAT, items 10-18. However, edible oil tankers that hold long-term oil spill prevention plan waivers because they exclusively transport non-petroleum products, 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 conventional petroleum products or chemicals. Some examples of these products are: LNG (methane), LPG (propane), 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 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.

WASHINGTON STATE  
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# VESSEL ENTRIES AND TRANSITS: 1997

VESSEL TYPE AND DESTINATION	ENTERING TRANSITS	INDIVIDUAL VESSELS
1) C & P bound for Washington ports in Puget Sound via Strait of Juan de Fuca	2408	905
2) C & P bound for Washington ports in Puget Sound via Strait of Georgia	518*	278*
3) C & P bound for Washington ports on the Columbia River	806	473
4) C & P bound for Gray's Harbor/Aberdeen	121	86
5) C & P bound for Washington ports: (Sum of 1-4 above)	<b>3853*</b>	<b>1742*</b>
6) C & P bound for Oregon ports on the Columbia River	1168	517
7) C & P bound for Canadian ports via Washington waters	2087	1226
8) C & P bound for U.S. ports (Sum of 5 & 6 above)	<b>5021*</b>	<b>2259*</b>
9) C & P grand total (Sum of 5-7 above)	<b>7108*</b>	<b>3485*</b>
10) Tank ships bound for Washington ports in Puget Sound via Juan de Fuca	497	91
11) Tank ships bound for Washington ports in Puget Sound via Strait of Georgia	46*	12*
12) Tank ships bound for Washington ports on the Columbia River	29	19
13) Tank ships bound for Grays Harbor/Aberdeen	0	0
14) Tank ships bound for Washington ports: (Sum of 10-13 above)	<b>572*</b>	<b>122*</b>
15) Tank ships bound for Oregon ports on the Columbia River	126	9
16) Tank ships bound for Canadian ports via Washington waters	99	45
17) Tank ships bound for U.S. ports (Sum of 14 & 15 above)	<b>698*</b>	<b>131*</b>
18) Tank ship grand total (Sum of 16 & 17 above)	<b>797*</b>	<b>176*</b>
19) Grand totals: all vessels, all destinations (Sum of 9 & 18)	<b>7905*</b>	<b>3661*</b>

TANK BARGES (OPERATING AREA)	TRANSITS
1) Puget Sound	3277
2) Columbia River	1699
3) Grays Harbor/Aberdeen	0
4) Grand total of transits in Washington waters (Sum of 1-3 above)	<b>4976</b>
5) Total number of individual tank barges operating in Washington State waters in 1996:	<b>81</b>
6) Number of barge companies that operate tank barges in Puget Sound:	17
7) Number of barge companies that operate tank barges on the Columbia River:	8
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>18</b>

FERRIES (PUGET SOUND)	ROUND TRIPS	INDIVIDUAL FERRIES
1) Washington State Ferries	69,840	21
2) Alaska Marine Highway System	74	3
3) Black Ball Transport, Inc.	916	1
4) Totals (Sum of 1 - 3 above)	<b>70,830</b>	<b>25</b>

## FISHING VESSEL CLASSIFICATION

### COMMERCIAL FISHING VESSEL

Any commercial fishing vessel of 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 of 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 five years. Fishing vessel data has been collected for only four years. To obtain copies of VEAT '93, VEAT '94, VEAT '95, or VEAT '96 please contact Ecology.

- NOTES:** 1) All data in this publication are for calendar year 1997.  
2) All numbers from the Vancouver Traffic Service were extrapolated from 6 months of data. These numbers and all totals derived from these numbers are marked with an asterisk (\*) and are subject to error of + or - 5%.

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# VESSEL ENTRIES AND TRANSITS: 1997

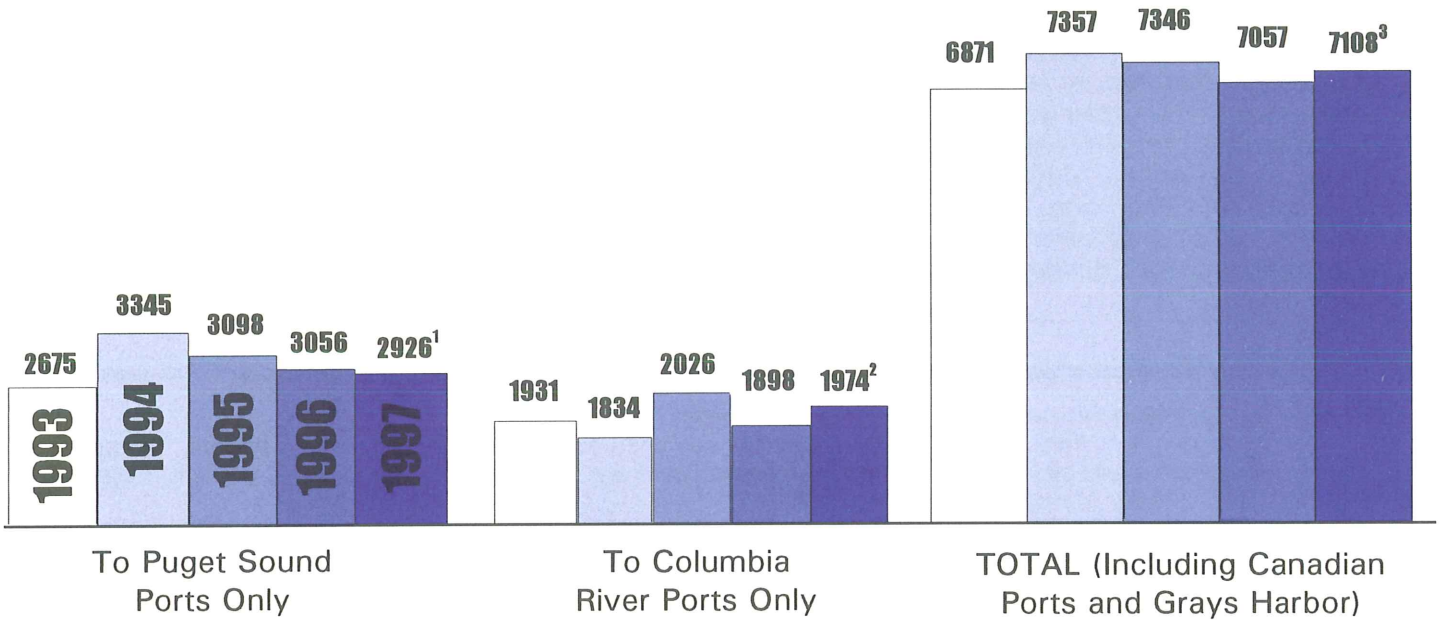
COMMERCIAL FISHING VESSELS AND FACTORY FISHING VESSELS/FISH PROCESSORS	ENTERING TRANSITS	INDIVIDUAL VESSELS
1) Commercial fishing vessels bound for Washington ports via Strait of Juan de Fuca	60	45
2) Commercial fishing vessels bound for Washington ports via Strait of Georgia	120*	40*
3) Total Commercial fishing vessels bound for Washington ports in Puget Sound via Strait of Juan de Fuca and Strait of Georgia (Sum of 1 & 2 above)	180*	85*
4) Commercial fishing vessels bound for Canadian ports via Washington waters (Strait of Juan de Fuca)	27	9
5) Total commercial fishing vessels bound for Washington ports in Puget Sound or transiting Washington waters enroute to Canada (Sum of 3 & 4 above)	207*	94*
6) Factory fishing vessels/fish processors bound for Washington ports via Strait of Juan de Fuca	140	72
7) Factory fishing vessels/fish processors bound for Washington ports via Strait of Georgia	20*	18*
8) Total factory fishing vessels/fish processors bound for Washington ports in Puget Sound via Strait of Juan de Fuca and Strait of Georgia (Sum of 6 & 7 above)	160*	90*
9) Factory fishing vessels/fish processors bound for Canadian ports via Washington waters (Strait of Juan de Fuca)	27	17
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)	187*	107*
11) Grand total any type fishing vessel bound for all destinations (Sum of 5 & 10 above)	394*	201*

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



# COMPARISON OF VEAT '93, '94, '95, '96 & '97

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

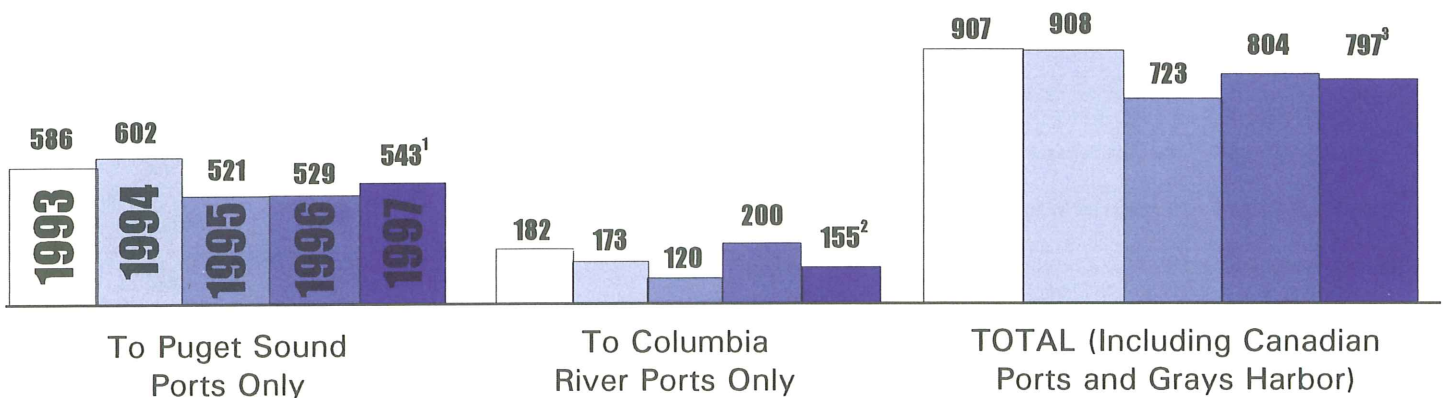


<sup>1</sup>Sum of 1 & 2: C & P (p.2).

<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

<sup>2</sup>Sum of 12 & 15: Tank Ships

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



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## DATA SOURCES

### TOFINO VESSEL TRAFFIC (CANADIAN CG)

- Strait of Juan de Fuca and Puget Sound

### VANCOUVER VESSEL TRAFFIC (CANADIAN CG)

- Strait of Georgia and Puget Sound

### MERCHANTS EXCHANGE OF PORTLAND

- Columbia River and Snake River

### WASHINGTON STATE BOARD OF PILOTAGE COMMISSIONERS

- Grays Harbor/Aberdeen/Hoquiam

### WASHINGTON STATE FERRIES

- Puget Sound ferry system

### 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 Island)

### UNOCAL - PORTLAND

- LNG/LPG/LG Tankers calling at UNOCAL

### ECOLOGY MARINE INFORMATION SYSTEM DATABASE

- Vessel data collected by Ecology

## AGENCY CONTACT

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