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# **WATERBORNE COMMERCE OF THE UNITED STATES**

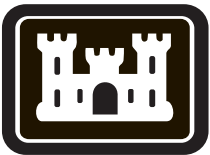
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Calendar Year 2016

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Part 4—  
Waterways and Harbors  
Pacific Coast, Alaska and Hawaii

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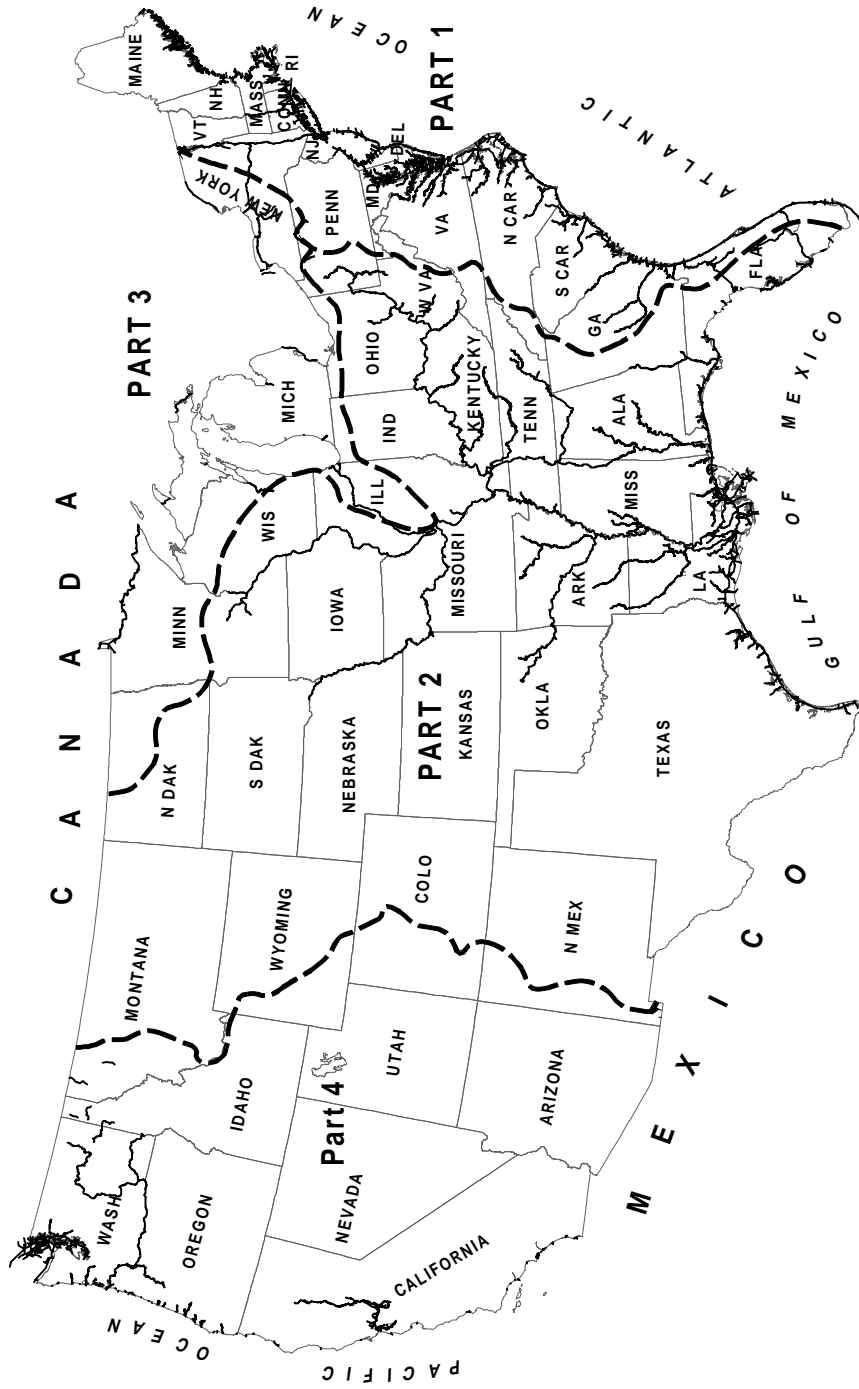


Department of the Army  
Corps of Engineers

Institute for Water Resources

IWR-WCUS-16-4

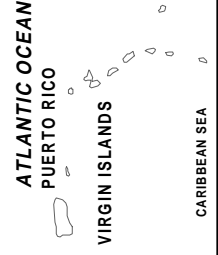
Geographical Areas Covered by  
Waterborne Commerce Statistics Publications  
of the  
DEPARTMENT OF THE ARMY CORPS OF ENGINEERS  
(Heavy broken lines indicate the limits embraced by  
each part of the five part series)



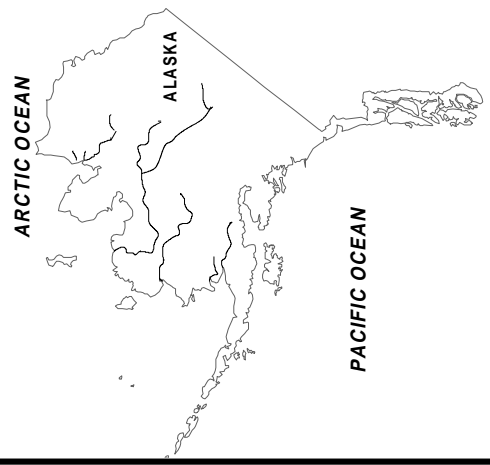
WATERBORNE COMMERCE OF THE UNITED STATES

- Part 1 - Atlantic Coast
- Part 2 - Gulf Coast, Mississippi River System and Antilles
- Part 3 - Great Lakes
- Part 4 - Pacific Coast, Alaska and Hawaii
- Part 5 - Waterborne Commerce of the United States  
(National Summary)

PART 2



PART 4



PART 4



PART 5

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# Introduction

## General

*Waterborne Commerce of the United States, WCUS, Part 4 is one of a series of publications which provides statistics on the foreign and domestic waterborne commerce moved on the United States waters. WCUS, Parts 1-4* present detailed data on the movements of vessels and commodities at the ports and harbors and on the waterways and canals of the United States, and its territories.

U. S. foreign tonnage and vessel movements are derived from data provided by the Port Import Export Reporting Service (IHS Inc.), the U.S. Customs and Border Protection, and the U.S. Bureau of the Census.

The publication numbers and the geographical areas covered in **WCUS, Parts 1-5** are detailed below:

**WCUS, Part 1 Atlantic Coast**

**WCUS, Part 2 Gulf Coast, Mississippi River System and Antilles**

**WCUS, Part 3 Great Lakes**

**WCUS, Part 4 Pacific Coast, Alaska and Hawaii**

**WCUS, Part 5 National Summaries**

## Legal Authority

The legal authority for the collection, compilation and publication of waterborne commerce statistics by the Army Corps of Engineers is Section 11 of the Rivers and Harbors Appropriations Act of 1922 (42 Stat. 1043), as amended, and codified in 33 U.S.C. 555 and provides the following:

Owners, agents, masters, and clerks of vessels and other craft plying upon the navigable waters of the United States, and all individuals and corporations engaged in transporting their own goods upon the navigable waters of the United States, shall furnish such statements relative to vessels, passengers, freight and tonnage as may be

required by the Secretary of the Army: Provided. That this provision shall not apply to those rafting logs, except upon a direct request upon the owner to furnish specific information.

Every person or persons offending against the provisions of this section shall, for each and every offense, be liable to a fine of not more than \$5,000 or imprisonment not exceeding two months, to be enforced in any district court of the United States within whose territorial jurisdiction such offense may have been committed. In addition, the Secretary may assess a civil penalty of up to \$2,500 per violation against any person or entity, that fails to provide timely, accurate statements required to be submitted pursuant to this section by the Secretary.

The vessel and commodity movement information collected and compiled is designed to meet the data requirements of the Department of the Army in connection with the duties assigned by Congress. These data also provide valuable information for other governmental departments, commercial and shipping concerns and others interested in the U.S. transportation industry.

## Domestic Commerce

Contiguous and non-contiguous states and territories constitute the geographical space upon which domestic commerce may be transported. This includes Hawaii, Alaska, the 48 contiguous states, Puerto Rico and the Virgin Islands, Guam, American Samoa, Wake Island and the U.S. Trust Territories.

The waterborne traffic movements are reported to the Corps of Engineers by all vessel operators of record on ENG Forms 3925 and

3925b (or equivalent) approved by the Office of Management and Budget under the Paperwork Reduction Act (44 U.S.C. 3510(a)). The reports are generally submitted on the basis of individual vessel movements completed. For movements with cargo, the point of loading and the point of unloading of each individual commodity must be delineated. Cargo moved for the military agencies in commercial vessels is reported as ordinary commercial cargo; military cargo movements in Department of Defense vessels are not collected.

In summarizing the domestic commerce certain movements are excluded: Cargo carried on general ferries; coal and petroleum products loaded from shore facilities directly into bunkers of vessels for fuel; and insignificant amounts of government materials (less than 100 tons) moved on government owned equipment in support of Corps projects.

### Foreign Commerce

Foreign commerce is waterborne import, export and in-transit traffic between the United States, Puerto Rico and the Virgin Islands and any foreign country. These statistics do not include traffic between any foreign country and the United States Territories and Possessions (American Samoa, Guam, North Mariana Islands and U.S. Outlying Islands).

Beginning with the calendar year 2000 publication, foreign waterborne import, export and in-transit cargo statistics are derived primarily from data provided by IHS Inc. Port Import Export Reporting Service, a division of the Commonwealth Business Media, Inc. and supplemented by data furnished to the Corps of Engineers by the U.S. Bureau of the Census and the U.S. Customs and Border Protection. Foreign cargo is matched to vessel moves to improve geographic specificity.

The Republic of Panama is considered a foreign country. However, individual vessel movements with origin and destination at United States ports traveling via the Panama Canal are considered domestic traffic. Alaskan crude oil (origin at Valdez, AK) shipped via the Panama pipeline (west to east) and destined for gulf and east coast ports is also considered domestic commerce.

Import and export shipments for use of the United States Armed Forces abroad are not

reported to the Waterborne Commerce Statistics Center (WCSC). Beginning with calendar year 1989 shipments under the military assistance program of the Department of Defense are included in the statistics under the appropriate commodity code. In prior years these cargoes were given as commodity code 9999.

### Commodity Descriptions

The first two digits of the WCSC publication codes correspond with the Lock Performance Monitoring System (LPMS) commodity codes. Both LPMS and WCSC codes were standardized to reflect the hierarchical structure of the Standard International Trade Classification (SITC) Revision 3 commodity codes. SITC, Rev. 3 commodity codes conform to the Harmonized Commodity Description and Coding System (HS). Using SITC, Rev. 3 allows direct comparisons with U.S. Imports, exports, and in-transits, as well as, with commodity movements of other countries.

### Tonnage

The tonnage figures provided throughout the **WCUS, Parts 1-4** represent short tons (2,000 pounds). Tonnage figures are rounded to the nearest 1,000 tons.

A zero represents less than 500 tons but more than zero. A dash means no tonnage. Columns and rows may not add up exactly to totals and subtotals due to rounding.

Some freight tables have "Total" and "Grand Total". The "Total" means that in some cases it is the total for domestic or foreign and Canadian traffic. The "Grand Total" specifically represents the sum total of all the different traffics, including all domestic and foreign traffic. If a particular column or traffic type has only dashes and zeroes in the tonnage fields for that entire freight table then that column (traffic type) will not print.

### Ton-Miles

For domestic movements, ton-miles equal the cargo tonnage times the distance between the point of loading on the water and the point of unloading on the water. For U.S. - Canada movements on the Great Lakes, ton-miles equal the tonnage times the distance between the U.S. and Canadian locations. For overseas imports

and exports, foreign ton-miles are computed by multiplying the cargo tonnage by the miles carried on U.S. waterways and channels. Ton-miles are rounded to the nearest 1,000 ton-miles. The ton-mile data appears in the publication by traffic type at the end of a particular freight table for a given project. Since there are columns that will not print (see tonnage above) the ton-miles associated with these columns will likewise not be included in the total ton-miles for that particular freight table. They will be included in "Ton-miles All Traffic" at the end of the project.

### **Trips**

A trip is a vessel movement. For self-propelled vessels, a trip is logged between every point of departure and every point of arrival. For loaded barges, a trip is logged from the point of the loading of the barge to the point of unloading of the barge (i.e., excluding fleeting areas). For empty barges, trips are logged from point of unloading to the point of loading counting the fleeting areas in between (e.g. if an empty barge moved from Dock A to Dock B and the barge stopped at three fleeting areas in between, then four trips are logged.)

Some towboat trips and empty barge moves are estimated from a sample to expedite

processing and reduce costs. The number of trips also includes vessels engaged in foreign trade. These moves are furnished by U.S. Customs and Border Protection.

To more accurately reflect actual traffic patterns (e.g. inbound versus outbound trip counts), some adjustments are made to the domestic trip counts in the trip and draft tables in this publication.

### **Special Interest**

Beginning in calendar year 2000, the tonnage of fish landings are no longer included in this publication.

Passenger totals are not included in this publication but are available on request. Passenger data not relevant to transportation such as excursions, sight-seeing, and floating casinos are no longer collected as of calendar year 2001. As of calendar year 2004, passengers, autos, and railway cars are not included in the domestic trips and drafts tables. Cruise ships in foreign traffic are included in the foreign trips and drafts tables.

Beginning in calendar year 2001, the movement of tugboats used to assist larger vessels within the districts of New England (Boston), New York, New Orleans, Galveston (Houston) are no longer collected.

# Terminology

## Types of Traffic

### *Foreign*

**Inbound:** Includes waterborne imports and inbound in-transit merchandise.

#### **Imports**

**Overseas:** Inbound merchandise originating in foreign countries other than Canada and arriving by marine vessel for direct U.S. consumption and entries into custom bonded storage and manufacturing warehouses.

**Canadian:** Inbound merchandise originating in Canada and arriving by marine vessel for direct U.S. consumption and entries into custom bonded storage and manufacturing warehouses.

**Inbound In-transits:** Merchandise coming into the United States by marine vessel from a foreign country and shipped to a foreign country without having been entered as an import. In-transit merchandise is treated as inbound when unloaded from a marine vessel.

**Outbound:** Includes waterborne exports and outbound in-transit merchandise.

#### **Exports**

**Overseas:** Outbound domestic merchandise and re-export of foreign merchandise from a U.S. foreign trade zone shipped by marine vessel to foreign countries other than Canada.

**Canadian:** Outbound domestic merchandise and re-export of foreign merchandise from a U.S. foreign trade zone shipped by marine vessel to Canada.

**Outbound In-transits:** Merchandise coming into the United States from a foreign country and shipped by marine vessel to a foreign country without having been entered as an import. In-transit merchandise is treated as outbound when loaded onto a marine vessel.

### *Domestic*

**Coastwise:** Domestic traffic receiving a carriage over the ocean, or the Gulf of Mexico,(e.g. New Orleans to Baltimore, New York to Puerto Rico, San Francisco to Hawaii, Alaska to Hawaii). Traffic between Great Lakes ports and seacoast ports, when having a carriage over the ocean, is also termed **Coastwise**.

**Lakewise:** Waterborne traffic between the United States ports on the Great Lakes System. The Great Lakes System is treated as a separate waterway system rather than as a part of the inland waterway system. In comparing historical data for the Great Lakes System, one should note that prior to calendar year 1990, marine products, and sand and gravel being moved from the Great Lakes to Great Lake destinations were classified as local traffic. From 1990 on, these activities are classified as lakewise traffic.

**Internal:** Vessel movements (origin and destination) which take place solely on inland waterways. An inland waterway is one geographically located within the boundaries of the contiguous 48 states or within the boundaries of the State of Alaska.

The term "internal traffic" is also applied to these vessel movements: those which involve carriage on both inland waterways and the Great Lakes; those occurring between offshore areas and inland waterways (e.g., oil rig supplies and fish); and those taking place within Delaware Bay, Chesapeake Bay, Puget Sound, and San Francisco Bay, which are considered internal bodies of water rather than arms of the ocean.

**Intraport:** Movement of freight within the confines of a port whether the port has one or several arms or channels included in the port definition. This traffic type will not include car-ferries and general ferries moving within a port.

**Through:** Movements transiting a waterway, or stretch thereof, as defined in the project description of individual tables, and having origins and destinations outside of the defined area.

**Intra-waterway:** Shipments and receipts within the limits of a river, waterway or canal. This traffic will not include car-ferries and general ferries moving within a waterway or Corps project.

**Intra-territory:** Traffic between ports in Puerto Rico and the Virgin Islands, which are considered a single unit.

## Traffic Direction

### Waterways

**Upbound:** Traffic that moves in an upstream direction. For waterways without a characteristic monodirectional flow (e.g. the Gulf Intracoastal Waterway), "upbound" means in a northerly or easterly direction.

**Downbound:** Traffic that moves in a downstream direction. For waterways without a characteristic monodirectional flow, "downbound" means in a southerly or westerly direction.

**Inbound:** Traffic moving from one waterway into another where the destination is on the subject waterway.

**Outbound:** Traffic moving from one waterway into another where the origin is on the subject waterway.

### Ports

**Receipts:** Traffic moving from one location to another where the destination is within the limits of the subject port.

**Shipments:** Traffic moving from one location to another where the origin is within the limits of the subject port.

**Commodity Descriptions:** The first two digits of the Waterborne Commerce Statistics Center (WCSC) publication codes correspond with the Lock Performance Monitoring System (LPMS) commodity codes. Both LPMS and WCSC codes were standardized to reflect the hierarchical structure of the Standard International Trade Classification (SITC) Revision 3 commodity codes. SITC, Rev. 3 commodity codes conform to the Harmonized Commodity Description and Coding System (HS). Using SITC, Rev. 3 allows direct comparisons with U.S. imports and exports, as well as with commodity movements of other countries.

**Tons:** The tonnage figures provided throughout the *Waterborne Commerce of the United States*, **WCUS, Parts 1-5** represent short tons (2,000 pounds).

Where noted, tonnage figures are rounded to the nearest thousand tons. A zero represents less than 500 tons but more than zero. Dashes mean zero tons. Columns and rows may not add up exactly to totals and subtotals due to rounding.

**Ton-miles:** Water carriage ton-miles were first compiled and published in calendar year 1962. The distances used are statute miles. The ton-mile parameter measures the total activity on a waterway or channel. Ton-miles are not computed for ports.

Domestic ton-miles are calculated by multiplying the tons of commerce being moved by the number of miles actually moved on the water from the point of loading onto the vessel to the point of unloading off of the vessel. Coastwise ton-miles includes the distance across open ocean and



the Gulf of Mexico.

For rivers, inland waterways and coastal routes the distances were computed from waterway survey maps , NOAA charts and records of the Corps of Engineers.

For the Great Lakes system the ton-miles are computed for movements of cargo west of the international boundary of St. Regis, Quebec, Canada to head of Lake Superior at Duluth, MN and Superior, WI.

For lakewise domestic movements, ton-miles equal the cargo tonnage times the distance between the U.S. Great Lakes ports.

For Canadian imports and exports, and in-transits across the Great Lakes foreign ton-miles are computed as the tonnage times the distance between the U.S. and Canadian ports.

For overseas imports and exports, and in-transits foreign ton-miles are computed by multiplying the cargo tonnage by the miles carried on U.S. waterways and channels. Distances across the oceans are not included in the computation of the overseas foreign ton-miles.

Ton-miles are rounded to the nearest thousand.

**Trip Ton-miles:** Trip ton-miles is a measure of a single waterway's contribution to the whole waterway system. Trip ton-miles are computed by identifying every commercial cargo-carrying vessel that has plied a particular inland waterway and summing the products of the tons times the total trip-miles for each vessel trip. "Trip-miles" is the total distance from origin (loading) to destination (unloading). For example, a barge carrying 1,200 tons of wheat might only travel 30 miles on the Illinois River but its total trip to New Orleans might be 1,000 miles. This trip would contribute 1,200,000 trip ton-miles to the Illinois River. Small rivers often contribute to the traffic on larger rivers. Published trip ton-miles do not include coastal and Great Lakes vessel movements.

**Trans-shipments:** Ports and offshore anchorages where cargo is moved from one vessel to another. These are: St. Lucia, Virgin Islands; Heald Bank off the Louisiana and Texas coasts; Chirqui Grande, Panama; Puerto Armuelles, Panama; and Hondo Platform-Pacific Ocean.

## Commodity Classification List

Major Grouping

Minor Grouping

Pub Group Pub Name

00 Units

0200 Vehicles  
0300 Passengers

10 Coal

1100 Coal & Lignite  
1200 Coal Coke

20 Petroleum & Petroleum Products

21 Crude Petroleum

2100 Crude Petroleum

22-29 Petroleum Products

2211 Gasoline  
2221 Kerosene  
2330 Distillate Fuel Oil  
2340 Residual Fuel Oil  
2350 Lube Oil & Greases  
2410 Petro. Jelly & Waxes  
2429 Naphtha & Solvents  
2430 Asphalt, Tar & Pitch  
2540 Petroleum Coke  
2640 Hydrocarbon & Petrol Gases,  
Liquefied and Gaseous  
2990 Petro. Products NEC

30 Chemicals and Related Products

31 Fertilizers

3110 Nitrogenous Fert.  
3120 Phosphatic Fert.  
3130 Potassic Fert.  
3190 Fert. & Mixes NEC

32 Other Chemicals and  
Related Products

3211 Acyclic Hydrocarbons  
3212 Benzene & Toluene  
3219 Other Hydrocarbons  
3220 Alcohols  
3230 Carboxylic Acids  
3240 Nitrogen Func. Comp.  
3250 Organo-Inorganic Comp.  
3260 Organic Comp. NEC  
3271 Sulphur (Liquid)  
3272 Sulphuric Acid  
3273 Ammonia  
3274 Sodium Hydroxide  
3275 Inorg. Elem., Oxides,  
& Halogen Salts  
3276 Metallic Salts  
3279 Inorganic Chem. NEC  
3281 Radioactive Material

Major Grouping

Minor Grouping

Pub Group Pub Name

3282 Pigments & Paints  
3283 Coloring Mat. NEC  
3284 Medicines  
3285 Perfumes & Cleansers  
3286 Plastics  
3291 Pesticides  
3292 Starches, Gluten, Glue  
3293 Explosives  
3297 Chemical Additives  
3298 Wood & Resin Chem.  
3299 Chem. Products NEC

40 Crude Materials, Inedible Except Fuels

41 Forest Products, Wood and Chips

4110 Rubber & Gums  
4150 Fuel Wood  
4161 Wood Chips  
4170 Wood in the Rough  
4189 Lumber  
4190 Forest Products NEC

42 Pulp and Waste Paper

4225 Pulp & Waste Paper

43 Soil, Sand, Gravel, Rock and Stone

4310 Building Stone  
4322 Limestone  
4323 Gypsum  
4327 Phosphate Rock  
4331 Sand & Gravel  
4333 Dredged Material  
4335 Waterway Improv. Mat  
4338 Soil & Fill Dirt

44 Iron Ore and Scrap

4410 Iron Ore  
4420 Iron & Steel Scrap

45 Marine Shells

4515 Marine Shells

46 Non-Ferrous Ores and Scrap

4630 Copper Ore  
4650 Aluminum Ore  
4670 Manganese Ore  
4680 Non-Ferrous Scrap  
4690 Non-Ferrous Ores NEC

47 Sulphur, Clay and Salt

4741 Sulphur, (Dry)  
4782 Clay & Refrac. Mat.  
4783 Salt

48 Slag

4860 Slag

49 Other Non-Metal. Min.

4900 Non-Metal. Min. NEC

**Commodity Classification List (continued)**

<u>Major Grouping</u>		<u>Major Grouping</u>	
<u>Minor Grouping</u>		<u>Minor Grouping</u>	
	<u>Pub Group Pub Name</u>		<u>Pub Group Pub Name</u>
50	Primary Manufactured Goods	6817	Meat, Prepared
51	Paper Products	6822	Dairy Products
	5110 Newsprint	6835	Fish, Prepared
	5120 Paper & Paperboard	6838	Tallow, Animal Oils
	5190 Paper Products NEC	6839	Animals & Prod. NEC
52	Lime, Cement and Glass	6856	Bananas & Plantains
	5210 Lime	6857	Fruit & Nuts NEC
	5220 Cement & Concrete	6858	Fruit Juices
	5240 Glass & Glass Prod.	6861	Sugar
	5290 Misc. Mineral Prod.	6865	Molasses
53	Primary Iron and Steel Products	6871	Coffee
	5312 Pig Iron	6872	Cocoa Beans
	5315 Ferro Alloys	6885	Alcoholic Beverages
	5320 I&S Primary Forms	6887	Groceries
	5330 I&S Plates & Sheets	6888	Water & Ice
	5360 I&S Bars & Shapes	6889	Food Products NEC
	5370 I&S Pipe & Tube	6891	Tobacco & Products
	5390 Primary I&S NEC	6893	Cotton
54	Primary Non-Ferrous Metal Products	6894	Natural Fibers NEC
	5421 Copper	6899	Farm Products NEC
	5422 Aluminum		
	5429 Smelted Prod. NEC	70	All Manufactured Equipment, Machinery and Products
	5480 Fab. Metal Products		
55	Primary Wood Products; Veneer	7110	Machinery (Not Elec)
	5540 Primary Wood Prod.	7120	Electrical Machinery
		7210	Vehicles & Parts
60	Food and Farm Products	7220	Aircraft & Parts
61	Fish	7230	Ships & Boats
	6134 Fish (Not Shellfish)	7300	Ordnance & Access.
	6136 Shellfish	7400	Manufac. Wood Prod.
62-64	Grain	7500	Textile Products
	6241 Wheat	7600	Rubber & Plastic Pr.
	6344 Corn	7800	Empty Containers
	6442 Rice	7900	Manufac. Prod. NEC
	6443 Barley & Rye		
	6445 Oats	80	Waste and Scrap NEC
	6447 Sorghum Grains	8900	Waste and Scrap NEC
65	Oilseeds		
	6521 Peanuts	90	Unknown or Not Elsewhere Classified
	6522 Soybeans	99	Unknown or Not Elsewhere Clsfd
	6534 Flaxseed	9900	Unknown or NEC
	6590 Oilseeds NEC		
66	Vegetable Products		
	6653 Vegetable Oils		
	6654 Vegetables & Prod.		
67	Processed Grain and Animal Feed		
	6746 Wheat Flour		
	6747 Grain Mill Products		
	6781 Hay & Fodder		
	6782 Animal Feed, Prep.		
68	Other Agricultural Products		
	6811 Meat, Fresh, Frozen		

# Section 1

## Freight Traffic



SAN DIEGO HARBOR, CA

Section Included: Entire harbor. Controlling and Project Depths: 42 feet in entrance channel; 30 to 42 feet in Bay Channel, and turning basin 26 to 35 feet in anchorage areas; 10 to 16 feet in other channels and areas.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
2007	2,416	2010	1,325	2013	1,235	2016	1,575
2008	1,891	2011	1,444	2014	1,411		
2009	1,137	2012	1,368	2015	1,455		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Foreign		Domestic			
		Inbound	Outbound	Total	Coastwise		Internal
					Receipts	Shipments	
<b>Total, all commodities</b>	<b>1,575</b>	<b>1,317</b>	<b>46</b>	<b>212</b>	<b>144</b>	<b>48</b>	<b>20</b>
<b>Total petroleum and petroleum products</b>	<b>205</b>	<b>---</b>	<b>0</b>	<b>205</b>	<b>141</b>	<b>44</b>	<b>20</b>
<b>Subtotal petroleum products</b>	<b>205</b>	<b>---</b>	<b>0</b>	<b>205</b>	<b>141</b>	<b>44</b>	<b>20</b>
2221 kerosene	76	---	---	76	75	1	---
2330 distillate fuel oil	61	---	---	61	23	39	---
2340 residual fuel oil	68	---	---	68	44	4	20
2350 lube oil & greases	0	---	0	---	---	---	---
2410 petro. jelly & waxes	0	---	0	---	---	---	---
2430 asphalt, tar & pitch	0	---	0	---	---	---	---
<b>Total chemicals and related products</b>	<b>60</b>	<b>40</b>	<b>21</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>
<b>Subtotal fertilizers</b>	<b>36</b>	<b>36</b>	<b>0</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>
3110 nitrogenous fert.	16	16	---	---	---	---	---
3190 fert. & mixes nec	20	19	0	---	---	---	---
<b>Subtotal other chemicals and related products</b>	<b>25</b>	<b>4</b>	<b>21</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>
3219 other hydrocarbons	0	---	0	---	---	---	---
3220 alcohols	0	---	0	---	---	---	---
3230 carboxylic acids	0	---	0	---	---	---	---
3240 nitrogen func. comp.	0	---	0	---	---	---	---
3275 inorg. elem., oxides, & halogen salts	0	---	0	---	---	---	---
3276 metallic salts	20	---	20	---	---	---	---
3282 pigments & paints	0	---	0	---	---	---	---
3284 medicines	0	---	0	---	---	---	---
3285 perfumes & cleansers	0	---	0	---	---	---	---
3286 plastics	4	3	0	---	---	---	---
3291 pesticides	0	---	0	---	---	---	---
3292 starches, gluten, glue	0	---	0	---	---	---	---
3297 chemical additives	0	---	0	---	---	---	---
3299 chem. products nec	1	1	0	---	---	---	---
<b>Total crude materials, inedible except fuels</b>	<b>59</b>	<b>59</b>	<b>0</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>
<b>Subtotal forest products, wood and chips</b>	<b>0</b>	<b>---</b>	<b>0</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>
4190 forest products nec	0	---	0	---	---	---	---
<b>Subtotal non-ferrous ores and scrap</b>	<b>59</b>	<b>59</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>
4650 aluminum ore	59	59	---	---	---	---	---
<b>Total primary manufactured goods</b>	<b>20</b>	<b>20</b>	<b>0</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>
<b>Subtotal paper products</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>
5110 newsprint	0	0	---	---	---	---	---
5120 paper & paperboard	0	0	---	---	---	---	---
5190 paper products nec	2	1	0	---	---	---	---
<b>Subtotal lime, cement and glass</b>	<b>0</b>	<b>---</b>	<b>0</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>
5290 misc. mineral prod.	0	---	0	---	---	---	---
<b>Subtotal primary iron and steel products</b>	<b>18</b>	<b>18</b>	<b>0</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>
5320 i&s primary forms	13	13	---	---	---	---	---
5330 i&s plates & sheets	5	5	0	---	---	---	---
5360 i&s bars & shapes	0	---	0	---	---	---	---
5370 i&s pipe & tube	0	0	0	---	---	---	---
<b>Subtotal primary non-ferrous metal products</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>
5422 aluminum	0	0	0	---	---	---	---
5480 fab. metal products	0	0	0	---	---	---	---
<b>Subtotal primary wood products</b>	<b>0</b>	<b>---</b>	<b>0</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>
5540 primary wood prod.	0	---	0	---	---	---	---
<b>Total food and farm products</b>	<b>706</b>	<b>700</b>	<b>6</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>
<b>Subtotal fish</b>	<b>7</b>	<b>7</b>	<b>0</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>
6134 fish (not shellfish)	0	0	---	---	---	---	---
6136 shellfish	7	7	0	---	---	---	---
<b>Subtotal grain</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>
6241 wheat	0	0	---	---	---	---	---
6344 corn	0	---	0	---	---	---	---
<b>Subtotal oilseeds</b>	<b>0</b>	<b>---</b>	<b>0</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>
6590 oilseeds nec	0	---	0	---	---	---	---
<b>Subtotal vegetable products</b>	<b>9</b>	<b>8</b>	<b>1</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>
6654 vegetables & prod.	9	8	1	---	---	---	---
<b>Subtotal processed grain and animal feed</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>
6746 wheat flour	0	---	0	---	---	---	---
6747 grain mill products	0	0	0	---	---	---	---
6782 animal feed, prep.	0	---	0	---	---	---	---
<b>Subtotal other agricultural products</b>	<b>690</b>	<b>685</b>	<b>5</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>
6811 meat, fresh, frozen	0	0	0	---	---	---	---
6817 meat, prepared	0	0	0	---	---	---	---
6822 dairy products	0	---	0	---	---	---	---
6835 fish, prepared	1	1	0	---	---	---	---
6839 animals & prod. nec	0	---	0	---	---	---	---
6856 bananas & plantains	600	599	1	---	---	---	---
6857 fruit & nuts nec	85	83	2	---	---	---	---
6858 fruit juices	1	1	0	---	---	---	---
6872 cocoa beans	0	---	0	---	---	---	---

SAN DIEGO HARBOR, CA  
Freight Traffic, 2016 - continued  
(thousand short tons)

Commodity	Grand Total	Foreign		Domestic			
		Inbound	Outbound	Total	Coastwise		Internal Intraport
					Receipts	Shipments	
6885 alcoholic beverages	0	—	0	—	—	—	
6889 food products nec	1	1	1	—	—	—	
6893 cotton	0	—	0	—	—	—	
6899 farm products nec	0	0	0	—	—	—	
<b>Total all manufactured equipment, machinery and products</b>	<b>515</b>	<b>491</b>	<b>17</b>	<b>7</b>	<b>3</b>	<b>4</b>	
7110 machinery (not elec)	10	2	1	7	3	4	
7120 electrical machinery	4	3	0	—	—	—	
7210 vehicles & parts	481	479	2	—	—	—	
7220 aircraft & parts	0	0	0	—	—	—	
7230 ships & boats	1	1	0	—	—	—	
7300 ordnance & access.	0	0	0	—	—	—	
7400 manufac. wood prod.	0	—	0	—	—	—	
7500 textile products	1	0	1	—	—	—	
7600 rubber & plastic pr.	2	1	2	—	—	—	
7900 manufac. prod. nec	15	4	11	—	—	—	
<b>Total unknown or not elsewhere classified</b>	<b>9</b>	<b>7</b>	<b>2</b>	<b>—</b>	<b>—</b>	<b>—</b>	
9900 unknown or nec	9	7	2	—	—	—	

LONG BEACH HARBOR, CA

Section Included: Entire harbor within the city limits of Long Beach. Controlling Depth: 62 feet in Long Beach Entrance Channel; 50 feet to 55 feet in turning basins; 35 feet in Cerritos Channel. Project Depth: 35 feet in Long Beach channel and other channels and basins.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
2007	85,940	2010	75,435	2013	84,493	<b>2016</b>	<b>77,813</b>
2008	80,205	2011	80,276	2014	85,026		
2009	72,500	2012	77,385	2015	78,165		

Freight Traffic, 2016 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Inbound	Outbound	Inbound	Outbound
<b>Total, all commodities</b>	<b>67,409</b>	<b>44,426</b>	<b>21,989</b>	<b>876</b>	<b>118</b>
<b>Total coal</b>	<b>310</b>	<b>7</b>	<b>304</b>	<b>—</b>	<b>—</b>
1100 coal & lignite	310	7	304	—	—
1200 coal coke	0	0	0	—	—
<b>Total petroleum and petroleum products</b>	<b>25,917</b>	<b>19,456</b>	<b>5,879</b>	<b>464</b>	<b>118</b>
<b>Subtotal crude petroleum</b>	<b>17,992</b>	<b>17,533</b>	<b>—</b>	<b>459</b>	<b>—</b>
2100 crude petroleum	17,992	17,533	—	459	—
<b>Subtotal petroleum products</b>	<b>7,925</b>	<b>1,923</b>	<b>5,879</b>	<b>6</b>	<b>118</b>
2211 gasoline	67	67	1	—	—
2221 kerosene	358	348	10	—	—
2330 distillate fuel oil	1,693	1,175	512	6	—
2340 residual fuel oil	313	278	35	—	—
2350 lube oil & greases	41	4	36	—	—
2410 petro. jelly & waxes	31	30	1	—	—
2429 naphtha & solvents	38	13	25	—	—
2430 asphalt, tar & pitch	1	1	0	—	—
2540 petroleum coke	5,375	1	5,257	—	118
2640 hydrocarbon & petrol gases, liquefied and aaseous	6	5	2	—	—
<b>Total chemicals and related products</b>	<b>4,131</b>	<b>1,748</b>	<b>2,313</b>	<b>70</b>	<b>0</b>
<b>Subtotal fertilizers</b>	<b>43</b>	<b>29</b>	<b>14</b>	<b>0</b>	<b>—</b>
3110 nitrogenous fert.	14	14	0	0	—
3120 phosphatic fert.	1	0	0	—	—
3130 potassic fert.	1	1	0	—	—
3190 fert. & mixes nec	27	14	13	—	—
<b>Subtotal other chemicals and related products</b>	<b>4,089</b>	<b>1,719</b>	<b>2,300</b>	<b>70</b>	<b>0</b>
3211 acyclic hydrocarbons	7	4	3	—	—
3212 benzene & toluene	0	—	0	—	—
3219 other hydrocarbons	18	12	7	0	—
3220 alcohols	119	43	44	32	—
3230 carboxylic acids	242	208	34	0	—
3240 nitrogen func. comp.	101	48	53	—	—
3250 organo - inorg. comp.	43	33	10	—	—
3260 organic comp. nec	73	40	27	6	—
3272 sulphuric acid	2	2	1	—	—
3273 ammonia	2	0	1	—	—
3274 sodium hydroxide	114	111	2	—	—
3275 inorg. elem., oxides, & halogen salts	217	71	147	—	—
3276 metallic salts	669	59	610	—	—
3279 inorganic chem. nec	18	13	5	—	—
3281 radioactive material	6	1	5	—	—
3282 pigments & paints	96	60	36	0	0
3283 coloring mat. nec	26	12	5	9	—
3284 medicines	106	54	52	0	—
3285 perfumes & cleansers	195	118	77	0	—
3286 plastics	1,274	444	830	0	0
3291 pesticides	64	56	8	—	—
3292 starches, gluten, glue	158	118	40	0	—
3293 explosives	70	70	1	—	—
3297 chemical additives	90	30	60	—	—
3298 wood & resin chem.	2	1	1	—	—
3299 chem. products nec	376	111	243	22	—
<b>Total crude materials, inedible except fuels</b>	<b>5,114</b>	<b>909</b>	<b>3,963</b>	<b>241</b>	<b>—</b>
<b>Subtotal forest products, wood and chips</b>	<b>528</b>	<b>351</b>	<b>175</b>	<b>1</b>	<b>—</b>
4110 rubber & gums	15	12	3	—	—
4150 fuel wood	7	5	2	0	—
4161 wood chips	0	0	0	—	—
4170 wood in the rough	97	18	79	—	—

LONG BEACH HARBOR, CA  
Freight Traffic, 2016 - continued  
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Inbound	Outbound	Inbound	Outbound
4189 lumber	372	283	87	1	—
4190 forest products nec	37	33	4	—	—
<b>Subtotal pulp and waste paper</b>	<b>2,454</b>	<b>28</b>	<b>2,425</b>	<b>1</b>	<b>—</b>
4225 pulp & waste paper	2,454	28	2,425	1	—
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>664</b>	<b>418</b>	<b>6</b>	<b>239</b>	<b>—</b>
4310 building stone	165	164	0	—	—
4322 limestone	12	12	0	—	—
4323 gypsum	215	213	2	—	—
4327 phosphate rock	0	0	—	—	—
4331 sand & gravel	272	30	3	239	—
<b>Subtotal iron ore and scrap</b>	<b>618</b>	<b>2</b>	<b>616</b>	<b>—</b>	<b>—</b>
4410 iron ore	0	0	0	—	—
4420 iron & steel scrap	618	2	616	—	—
<b>Subtotal marine shells</b>	<b>4</b>	<b>3</b>	<b>0</b>	<b>—</b>	<b>—</b>
4515 marine shells	4	3	0	—	—
<b>Subtotal non-ferrous ores and scrap</b>	<b>146</b>	<b>15</b>	<b>130</b>	<b>—</b>	<b>—</b>
4630 copper ore	0	0	0	—	—
4650 aluminum ore	12	7	5	—	—
4670 manganese ore	0	0	—	—	—
4680 non-ferrous scrap	131	7	124	—	—
4690 non-ferrous ores nec	2	1	1	—	—
<b>Subtotal sulphur, clay and salt</b>	<b>664</b>	<b>74</b>	<b>590</b>	<b>0</b>	<b>—</b>
4741 sulphur, (dry)	575	0	574	—	—
4782 clay & refrac. mat.	23	9	14	0	—
4783 salt	66	65	1	—	—
<b>Subtotal slag</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>—</b>
4860 slag	0	0	0	—	—
<b>Subtotal other non-metal. min.</b>	<b>37</b>	<b>17</b>	<b>20</b>	<b>0</b>	<b>—</b>
4900 non-metal. min. nec	37	17	20	0	—
<b>Total primary manufactured goods</b>	<b>5,550</b>	<b>4,630</b>	<b>920</b>	<b>1</b>	<b>0</b>
<b>Subtotal paper products</b>	<b>698</b>	<b>558</b>	<b>140</b>	<b>0</b>	<b>0</b>
5110 newsprint	2	0	2	0	—
5120 paper & paperboard	364	256	109	—	—
5190 paper products nec	331	302	29	0	0
<b>Subtotal lime, cement and glass</b>	<b>1,178</b>	<b>1,131</b>	<b>47</b>	<b>0</b>	<b>0</b>
5210 lime	0	0	0	—	—
5220 cement & concrete	40	38	2	—	—
5240 glass & glass prod.	349	326	23	0	—
5290 misc. mineral prod.	789	768	22	0	0
<b>Subtotal primary iron and steel products</b>	<b>799</b>	<b>755</b>	<b>44</b>	<b>0</b>	<b>—</b>
5312 pig iron	21	14	7	—	—
5315 ferro alloys	3	2	1	—	—
5320 i&s primary forms	121	112	9	—	—
5330 i&s plates & sheets	167	163	4	0	—
5360 i&s bars & shapes	165	154	11	—	—
5370 i&s pipe & tube	207	197	10	—	—
5390 primary i&s nec	116	114	2	0	—
<b>Subtotal primary non-ferrous metal products</b>	<b>2,649</b>	<b>1,967</b>	<b>682</b>	<b>0</b>	<b>0</b>
5421 copper	45	40	4	—	—
5422 aluminum	416	231	185	—	—
5429 smelted prod. nec	360	24	336	—	—
5480 fab. metal products	1,829	1,671	157	0	0
<b>Subtotal primary wood products</b>	<b>226</b>	<b>219</b>	<b>7</b>	<b>—</b>	<b>0</b>
5540 primary wood prod.	226	219	7	—	0
<b>Total food and farm products</b>	<b>7,847</b>	<b>2,204</b>	<b>5,642</b>	<b>1</b>	<b>0</b>
<b>Subtotal fish</b>	<b>187</b>	<b>176</b>	<b>11</b>	<b>0</b>	<b>—</b>
6134 fish (not shellfish)	90	85	4	0	—
6136 shellfish	97	90	7	0	—
<b>Subtotal grain</b>	<b>294</b>	<b>33</b>	<b>261</b>	<b>—</b>	<b>—</b>
6241 wheat	12	1	10	—	—
6344 corn	239	2	237	—	—
6442 rice	33	30	3	—	—
6443 barley & rye	0	0	—	—	—
6445 oats	0	0	0	—	—
6447 sorghum grains	10	—	10	—	—
<b>Subtotal oilseeds</b>	<b>815</b>	<b>35</b>	<b>779</b>	<b>0</b>	<b>—</b>
6521 peanuts	3	1	2	—	—
6522 soybeans	736	21	714	0	—
6534 flaxseed	0	0	0	—	—
6590 oilseeds nec	75	13	62	—	—
<b>Subtotal vegetable products</b>	<b>550</b>	<b>282</b>	<b>268</b>	<b>0</b>	<b>—</b>
6653 vegetable oils	85	76	9	—	—
6654 vegetables & prod.	465	206	259	0	—
<b>Subtotal processed grain and animal feed</b>	<b>2,495</b>	<b>80</b>	<b>2,415</b>	<b>0</b>	<b>0</b>
6746 wheat flour	7	5	2	—	—
6747 grain mill products	189	42	147	0	—
6781 hay & fodder	789	2	787	—	—
6782 animal feed, prep.	1,510	31	1,479	0	0
<b>Subtotal other agricultural products</b>	<b>3,506</b>	<b>1,597</b>	<b>1,908</b>	<b>1</b>	<b>0</b>
6811 meat, fresh, frozen	540	150	389	0	—
6817 meat, prepared	19	2	17	—	—
6822 dairy products	109	19	90	—	—
6835 fish, prepared	36	32	4	—	—
6838 tallow, animal oils	3	1	2	—	—
6839 animals & prod. nec	259	10	249	—	—
6856 bananas & plantains	15	15	0	—	—
6857 fruit & nuts nec	553	223	331	—	0



LONG BEACH HARBOR, CA  
Freight Traffic, 2016 - continued  
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Inbound	Outbound	Inbound	Outbound
6858 fruit juices	297	256	41	0	—
6861 sugar	7	5	1	—	—
6865 molasses	1	1	0	—	—
6871 coffee	36	26	10	0	—
6872 cocoa beans	6	6	0	—	—
6885 alcoholic beverages	401	343	58	—	—
6888 water & ice	204	187	17	—	—
6889 food products nec	460	253	208	0	0
6891 tobacco & products	5	5	0	—	—
6893 cotton	373	38	335	0	—
6894 natural fibers nec	8	6	2	—	—
6899 farm products nec	174	21	153	0	—
<b>Total all manufactured equipment, machinery and products</b>	<b>16,858</b>	<b>14,597</b>	<b>2,257</b>	<b>4</b>	<b>0</b>
7110 machinery (not elec)	1,610	1,343	267	0	0
7120 electrical machinery	2,686	2,490	196	0	—
7210 vehicles & parts	1,920	1,617	303	0	—
7220 aircraft & parts	20	5	15	0	—
7230 ships & boats	12	6	6	—	—
7300 ordnance & access.	8	6	2	—	—
7400 manufac. wood prod.	417	237	179	0	—
7500 textile products	2,211	2,036	175	0	—
7600 rubber & plastic pr.	2,102	1,732	368	2	—
7900 manufac. prod. nec	5,872	5,125	746	1	0
<b>Total unknown or not elsewhere classified</b>	<b>1,682</b>	<b>876</b>	<b>711</b>	<b>94</b>	<b>0</b>
9900 unknown or nec	1,682	876	711	94	0

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intrapor
<b>Total, all commodities</b>	<b>10,404</b>	<b>7,740</b>	<b>1,559</b>	<b>1,050</b>	<b>17</b>	<b>38</b>
<b>Total petroleum and petroleum products</b>	<b>8,632</b>	<b>7,321</b>	<b>206</b>	<b>1,050</b>	<b>17</b>	<b>38</b>
<b>Subtotal crude petroleum</b>	<b>6,586</b>	<b>6,586</b>	—	—	—	—
2100 crude petroleum	6,586	6,586	—	—	—	—
<b>Subtotal petroleum products</b>	<b>2,046</b>	<b>734</b>	<b>206</b>	<b>1,050</b>	<b>17</b>	<b>38</b>
2211 gasoline	301	259	6	19	—	16
2221 kerosene	43	9	35	—	—	—
2330 distillate fuel oil	516	359	97	60	—	—
2340 residual fuel oil	1,075	19	49	968	17	22
2350 lube oil & greases	48	42	2	3	—	—
2429 naphtha & solvents	58	46	12	—	—	—
2430 asphalt, tar & pitch	1	0	1	—	—	—
2990 petro. products nec	4	0	4	—	—	—
<b>Total chemicals and related products</b>	<b>19</b>	<b>2</b>	<b>17</b>	—	—	—
<b>Subtotal fertilizers</b>	<b>2</b>	—	<b>2</b>	—	—	—
3190 fert. & mixes nec	2	—	2	—	—	—
<b>Subtotal other chemicals and related products</b>	<b>18</b>	<b>2</b>	<b>16</b>	—	—	—
3282 pigments & paints	4	0	4	—	—	—
3284 medicines	0	—	0	—	—	—
3285 perfumes & cleansers	5	0	5	—	—	—
3286 plastics	0	—	0	—	—	—
3291 pesticides	0	—	0	—	—	—
3299 chem. products nec	9	2	7	—	—	—
<b>Total crude materials, inedible except fuels</b>	<b>290</b>	<b>274</b>	<b>16</b>	—	—	—
<b>Subtotal forest products, wood and chips</b>	<b>283</b>	<b>267</b>	<b>16</b>	—	—	—
4189 lumber	276	267	8	—	—	—
4190 forest products nec	7	0	7	—	—	—
<b>Subtotal pulp and waste paper</b>	<b>0</b>	—	<b>0</b>	—	—	—
4225 pulp & waste paper	0	—	0	—	—	—
<b>Subtotal iron ore and scrap</b>	<b>7</b>	<b>7</b>	<b>0</b>	—	—	—
4420 iron & steel scrap	7	7	0	—	—	—
<b>Subtotal sulphur, clay and salt</b>	<b>0</b>	—	<b>0</b>	—	—	—
4783 salt	0	—	0	—	—	—
<b>Subtotal other non-metal. min.</b>	<b>0</b>	—	<b>0</b>	—	—	—
4900 non-metal. min. nec	0	—	0	—	—	—
<b>Total primary manufactured goods</b>	<b>42</b>	<b>2</b>	<b>40</b>	—	—	—
<b>Subtotal paper products</b>	<b>14</b>	<b>0</b>	<b>13</b>	—	—	—
5190 paper products nec	14	0	13	—	—	—
<b>Subtotal lime, cement and glass</b>	<b>2</b>	<b>0</b>	<b>2</b>	—	—	—
5220 cement & concrete	0	—	0	—	—	—
5290 misc. mineral prod.	2	0	2	—	—	—
<b>Subtotal primary iron and steel products</b>	<b>2</b>	<b>0</b>	<b>2</b>	—	—	—
5370 i&s pipe & tube	2	0	2	—	—	—
<b>Subtotal primary non-ferrous metal products</b>	<b>24</b>	<b>2</b>	<b>22</b>	—	—	—
5480 fab. metal products	24	2	22	—	—	—
<b>Subtotal primary wood products</b>	<b>0</b>	—	<b>0</b>	—	—	—
5540 primary wood prod.	0	—	0	—	—	—
<b>Total food and farm products</b>	<b>567</b>	<b>32</b>	<b>535</b>	—	—	—
<b>Subtotal fish</b>	<b>0</b>	<b>0</b>	<b>0</b>	—	—	—
6134 fish (not shellfish)	0	0	0	—	—	—
<b>Subtotal grain</b>	<b>3</b>	<b>0</b>	<b>3</b>	—	—	—
6442 rice	3	0	3	—	—	—
<b>Subtotal vegetable products</b>	<b>55</b>	<b>6</b>	<b>49</b>	—	—	—
6654 vegetables & prod.	55	6	49	—	—	—
<b>Subtotal processed grain and animal feed</b>	<b>1</b>	<b>1</b>	<b>1</b>	—	—	—
6781 hay & fodder	0	—	0	—	—	—
6782 animal feed, prep.	1	1	1	—	—	—
<b>Subtotal other agricultural products</b>	<b>507</b>	<b>25</b>	<b>482</b>	—	—	—
6811 meat, fresh, frozen	5	0	5	—	—	—
6835 fish, prepared	1	1	—	—	—	—
6839 animals & prod. nec	0	0	0	—	—	—
6856 bananas & plantains	4	—	4	—	—	—
6857 fruit & nuts nec	0	0	—	—	—	—

LONG BEACH HARBOR, CA  
Freight Traffic, 2016 - continued  
(thousand short tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
6858 fruit juices	0	—	0	—	—	—
6871 coffee	0	0	0	—	—	—
6885 alcoholic beverages	146	2	144	—	—	—
6889 food products nec	347	19	327	—	—	—
6891 tobacco & products	1	—	1	—	—	—
6899 farm products nec	2	1	0	—	—	—
<b>Total all manufactured equipment, machinery and products</b>	<b>854</b>	<b>109</b>	<b>745</b>	<b>0</b>	<b>—</b>	<b>—</b>
7110 machinery (not elec)	38	7	31	0	—	—
7120 electrical machinery	16	4	13	—	—	—
7210 vehicles & parts	99	22	77	—	—	—
7220 aircraft & parts	0	—	0	—	—	—
7230 ships & boats	0	0	0	—	—	—
7400 manufac. wood prod.	213	36	178	—	—	—
7500 textile products	0	—	0	—	—	—
7600 rubber & plastic pr.	7	0	7	—	—	—
7900 manufac. prod. nec	480	40	439	—	—	—
<b>Total waste and scrap nec</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
8900 waste and scrap nec	0	0	—	—	—	—
<b>Total unknown or not elsewhere classified</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>
9900 unknown or nec	0	0	0	—	—	—

LOS ANGELES HARBOR, CA

Section Included: Entire harbor within the city limits of Los Angeles. Controlling Depth: 45 to 51 feet in entrance and outer harbor channels and basins; 45 feet in Los Angeles channel and inner harbor basins and channels; 35 feet in Cerritos Channel. Project Depth: 45 to 51 feet in entrance and outer harbor channels and basins; 45 feet in Los Angeles channel and inner harbor basins and channels; 35 feet in Cerritos Channel.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
2007	65,502	2010	62,387	2013	57,929	<b>2016</b>	<b>62,616</b>
2008	59,788	2011	64,992	2014	61,017		
2009	58,406	2012	61,819	2015	60,188		

Freight Traffic, 2016 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Inbound	Outbound	Inbound	Outbound
<b>Total, all commodities</b>	<b>56,286</b>	<b>36,956</b>	<b>19,153</b>	<b>171</b>	<b>6</b>
<b>Total coal</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>—</b>
1100 coal & lignite	1	1	0	0	—
1200 coal coke	1	0	1	—	—
<b>Total petroleum and petroleum products</b>	<b>6,198</b>	<b>5,614</b>	<b>434</b>	<b>151</b>	<b>—</b>
<b>Subtotal crude petroleum</b>	<b>282</b>	<b>282</b>	<b>—</b>	<b>—</b>	<b>—</b>
2100 crude petroleum	282	282	—	—	—
<b>Subtotal petroleum products</b>	<b>5,917</b>	<b>5,332</b>	<b>434</b>	<b>151</b>	<b>—</b>
2211 gasoline	478	326	35	117	—
2221 kerosene	2,196	2,122	74	—	—
2330 distillate fuel oil	2,623	2,441	163	19	—
2340 residual fuel oil	346	311	35	—	—
2350 lube oil & greases	64	19	45	—	—
2410 petro. jelly & waxes	27	25	1	—	—
2429 naphtha & solvents	152	82	55	15	—
2430 asphalt, tar & pitch	1	0	0	—	—
2540 petroleum coke	23	0	23	—	—
2640 hydrocarbon & petrol gases. liquefied and aaceous	8	6	3	—	—
<b>Total chemicals and related products</b>	<b>4,320</b>	<b>2,054</b>	<b>2,257</b>	<b>8</b>	<b>0</b>
<b>Subtotal fertilizers</b>	<b>57</b>	<b>40</b>	<b>18</b>	<b>—</b>	<b>—</b>
3110 nitrogenous fert.	17	17	0	—	—
3120 phosphatic fert.	0	0	0	—	—
3130 potassic fert.	2	1	1	—	—
3190 fert. & mixes nec	38	22	16	—	—
<b>Subtotal other chemicals and related products</b>	<b>4,263</b>	<b>2,014</b>	<b>2,240</b>	<b>8</b>	<b>0</b>
3211 acyclic hydrocarbons	19	10	9	—	—
3212 benzene & toluene	1	0	1	—	—
3219 other hydrocarbons	35	23	12	—	—
3220 alcohols	117	46	63	8	—
3230 carboxylic acids	191	143	48	—	—
3240 nitrogen func. comp.	123	67	56	—	—
3250 organo - inorg. comp.	59	37	23	—	—
3260 organic comp. nec	82	35	47	—	—
3272 sulphuric acid	7	6	1	—	—
3273 ammonia	3	0	2	—	—
3274 sodium hydroxide	167	159	8	—	—
3275 inorg. elem., oxides, & halogen salts	276	78	197	—	0
3276 metallic salts	553	51	502	—	0
3279 inorganic chem. nec	12	7	6	—	—
3281 radioactive material	3	1	1	—	—
3282 pigments & paints	83	47	36	—	—
3283 coloring mat. nec	21	11	10	—	—
3284 medicines	104	40	65	—	—
3285 perfumes & cleansers	235	130	105	0	—
3286 plastics	1,369	676	692	0	—
3291 pesticides	55	48	7	—	—

LOS ANGELES HARBOR, CA  
Freight Traffic, 2016 - continued  
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Inbound	Outbound	Inbound	Outbound
3292 starches, gluten, glue	130	50	80	—	—
3293 explosives	44	43	1	—	—
3297 chemical additives	266	201	65	—	—
3298 wood & resin chem.	1	1	0	—	—
3299 chem. products nec	307	104	203	—	—
<b>Total crude materials, inedible except fuels</b>	<b>5,728</b>	<b>623</b>	<b>5,104</b>	<b>0</b>	<b>—</b>
<b>Subtotal forest products, wood and chips</b>	<b>530</b>	<b>353</b>	<b>177</b>	<b>0</b>	<b>—</b>
4110 rubber & gums	11	9	2	—	—
4150 fuel wood	12	9	3	—	—
4161 wood chips	0	0	0	—	—
4170 wood in the rough	80	7	73	0	—
4189 lumber	370	284	86	0	—
4190 forest products nec	56	44	13	—	—
<b>Subtotal pulp and waste paper</b>	<b>3,003</b>	<b>20</b>	<b>2,983</b>	<b>—</b>	<b>—</b>
4225 pulp & waste paper	3,003	20	2,983	—	—
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>184</b>	<b>174</b>	<b>9</b>	<b>0</b>	<b>—</b>
4310 building stone	85	84	1	0	—
4322 limestone	60	60	0	—	—
4323 gypsum	5	1	4	—	—
4331 sand & gravel	34	29	4	—	—
<b>Subtotal iron ore and scrap</b>	<b>1,668</b>	<b>12</b>	<b>1,656</b>	<b>—</b>	<b>—</b>
4410 iron ore	9	9	0	—	—
4420 iron & steel scrap	1,658	3	1,655	—	—
<b>Subtotal marine shells</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>—</b>	<b>—</b>
4515 marine shells	2	2	0	—	—
<b>Subtotal non-ferrous ores and scrap</b>	<b>222</b>	<b>19</b>	<b>204</b>	<b>—</b>	<b>—</b>
4630 copper ore	1	0	1	—	—
4650 aluminum ore	10	5	5	—	—
4680 non-ferrous scrap	208	12	196	—	—
4690 non-ferrous ores nec	4	2	2	—	—
<b>Subtotal sulphur, clay and salt</b>	<b>71</b>	<b>21</b>	<b>50</b>	<b>—</b>	<b>—</b>
4741 sulphur, (dry)	40	5	35	—	—
4782 clay & refrac. mat.	23	8	14	—	—
4783 salt	9	8	1	—	—
<b>Subtotal slag</b>	<b>0</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>—</b>
4860 slag	0	—	0	—	—
<b>Subtotal other non-metal. min.</b>	<b>47</b>	<b>23</b>	<b>25</b>	<b>—</b>	<b>—</b>
4900 non-metal. min. nec	47	23	25	—	—
<b>Total primary manufactured goods</b>	<b>7,785</b>	<b>6,970</b>	<b>815</b>	<b>0</b>	<b>0</b>
<b>Subtotal paper products</b>	<b>914</b>	<b>614</b>	<b>300</b>	<b>0</b>	<b>—</b>
5110 newsprint	4	0	3	—	—
5120 paper & paperboard	479	249	230	0	—
5190 paper products nec	431	364	67	—	—
<b>Subtotal lime, cement and glass</b>	<b>1,274</b>	<b>1,212</b>	<b>62</b>	<b>0</b>	<b>0</b>
5210 lime	0	0	0	—	—
5220 cement & concrete	41	40	1	—	—
5240 glass & glass prod.	383	341	42	0	—
5290 misc. mineral prod.	850	831	18	0	0
<b>Subtotal primary iron and steel products</b>	<b>2,502</b>	<b>2,458</b>	<b>44</b>	<b>—</b>	<b>—</b>
5312 pig iron	18	14	3	—	—
5315 ferro alloys	4	3	1	—	—
5320 i&s primary forms	1,388	1,376	12	—	—
5330 i&s plates & sheets	448	446	2	—	—
5360 i&s bars & shapes	235	225	11	—	—
5370 i&s pipe & tube	295	284	11	—	—
5390 primary i&s nec	114	110	4	—	—
<b>Subtotal primary non-ferrous metal products</b>	<b>2,932</b>	<b>2,531</b>	<b>402</b>	<b>0</b>	<b>—</b>
5421 copper	50	44	6	—	—
5422 aluminum	387	278	109	—	—
5429 smelted prod. nec	122	31	91	—	—
5480 fab. metal products	2,373	2,177	196	0	—
<b>Subtotal primary wood products</b>	<b>163</b>	<b>155</b>	<b>8</b>	<b>—</b>	<b>—</b>
5540 primary wood prod.	163	155	8	—	—
<b>Total food and farm products</b>	<b>9,955</b>	<b>3,037</b>	<b>6,909</b>	<b>8</b>	<b>1</b>
<b>Subtotal fish</b>	<b>426</b>	<b>403</b>	<b>17</b>	<b>5</b>	<b>—</b>
6134 fish (not shellfish)	176	166	5	5	—
6136 shellfish	250	237	13	0	—
<b>Subtotal grain</b>	<b>507</b>	<b>204</b>	<b>303</b>	<b>—</b>	<b>—</b>
6241 wheat	9	1	8	—	—
6344 corn	252	3	249	—	—
6442 rice	227	200	28	—	—
6443 barley & rye	0	0	0	—	—
6445 oats	0	0	0	—	—
6447 sorghum grains	18	0	18	—	—
<b>Subtotal oilseeds</b>	<b>810</b>	<b>26</b>	<b>784</b>	<b>—</b>	<b>—</b>
6521 peanuts	6	2	5	—	—
6522 soybeans	663	15	648	—	—
6534 flaxseed	0	0	0	—	—
6590 oilseeds nec	140	9	131	—	—
<b>Subtotal vegetable products</b>	<b>638</b>	<b>375</b>	<b>263</b>	<b>0</b>	<b>0</b>
6653 vegetable oils	110	94	16	—	—
6654 vegetables & prod.	528	281	247	0	0
<b>Subtotal processed grain and animal feed</b>	<b>2,996</b>	<b>113</b>	<b>2,883</b>	<b>0</b>	<b>—</b>
6746 wheat flour	10	10	0	0	—
6747 grain mill products	166	69	97	0	—
6781 hay & fodder	1,164	1	1,163	—	—
6782 animal feed, prep.	1,656	32	1,623	0	—
<b>Subtotal other agricultural products</b>	<b>4,578</b>	<b>1,917</b>	<b>2,658</b>	<b>2</b>	<b>1</b>
6811 meat, fresh, frozen	400	59	341	0	—
6817 meat, prepared	29	8	22	—	—
6822 dairy products	196	23	173	—	—
6835 fish, prepared	70	69	1	0	—
6838 tallow, animal oils	7	6	1	—	—
6839 animals & prod. nec	239	14	226	—	—
6856 bananas & plantains	54	54	0	—	0
6857 fruit & nuts nec	879	458	421	—	—

LOS ANGELES HARBOR, CA  
 Freight Traffic, 2016 - continued  
 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Inbound	Outbound	Inbound	Outbound
6858 fruit juices	443	378	65	0	0
6861 sugar	11	10	1	—	—
6865 molasses	1	0	0	—	—
6871 coffee	52	37	15	—	—
6872 cocoa beans	13	13	1	—	—
6885 alcoholic beverages	297	232	64	0	1
6888 water & ice	125	75	49	2	—
6889 food products nec	684	378	306	0	—
6891 tobacco & products	8	6	2	—	—
6893 cotton	856	57	800	—	—
6894 natural fibers nec	14	12	2	—	—
6899 farm products nec	198	30	168	0	—
<b>Total all manufactured equipment, machinery and products</b>	<b>20,478</b>	<b>17,669</b>	<b>2,804</b>	<b>1</b>	<b>4</b>
7110 machinery (not elec)	1,882	1,629	254	0	0
7120 electrical machinery	3,480	3,255	224	0	—
7210 vehicles & parts	2,272	1,955	316	0	—
7220 aircraft & parts	58	5	53	—	—
7230 ships & boats	22	15	6	0	—
7300 ordnance & access.	8	4	4	—	—
7400 manufac. wood prod.	396	315	82	0	—
7500 textile products	2,553	2,204	349	0	—
7600 rubber & plastic pr.	2,485	2,121	364	0	—
7900 manufac. prod. nec	7,322	6,165	1,153	0	4
<b>Total unknown or not elsewhere classified</b>	<b>1,819</b>	<b>988</b>	<b>828</b>	<b>3</b>	<b>0</b>
9900 unknown or nec	1,819	988	828	3	0

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
<b>Total, all commodities</b>	<b>6,330</b>	<b>3,523</b>	<b>960</b>	<b>17</b>	<b>1,050</b>	<b>780</b>
<b>Total petroleum and petroleum products</b>	<b>5,946</b>	<b>3,188</b>	<b>911</b>	<b>17</b>	<b>1,050</b>	<b>780</b>
<b>Subtotal crude petroleum</b>	<b>528</b>	<b>528</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
2100 crude petroleum	528	528	—	—	—	—
<b>Subtotal petroleum products</b>	<b>5,418</b>	<b>2,660</b>	<b>911</b>	<b>17</b>	<b>1,050</b>	<b>780</b>
2211 gasoline	1,443	1,275	115	—	19	33
2221 kerosene	206	193	14	—	—	—
2330 distillate fuel oil	786	198	522	—	60	7
2340 residual fuel oil	2,582	603	254	17	968	741
2350 lube oil & greases	123	114	6	—	3	—
2429 naphtha & solvents	277	277	—	—	—	—
<b>Total crude materials, inedible except fuels</b>	<b>241</b>	<b>235</b>	<b>5</b>	<b>—</b>	<b>—</b>	<b>—</b>
<b>Subtotal forest products, wood and chips</b>	<b>9</b>	<b>9</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
4189 lumber	9	9	—	—	—	—
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>232</b>	<b>227</b>	<b>5</b>	<b>—</b>	<b>—</b>	<b>—</b>
4331 sand & gravel	232	227	5	—	—	—
<b>Total primary manufactured goods</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>—</b>	<b>—</b>	<b>—</b>
<b>Subtotal paper products</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
5190 paper products nec	0	0	—	—	—	—
<b>Subtotal primary non-ferrous metal products</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>—</b>	<b>—</b>	<b>—</b>
5480 fab. metal products	1	0	1	—	—	—
<b>Total food and farm products</b>	<b>97</b>	<b>97</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>
<b>Subtotal other agricultural products</b>	<b>97</b>	<b>97</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>
6835 fish, prepared	97	97	—	—	—	—
6888 water & ice	0	—	0	—	—	—
<b>Total all manufactured equipment, machinery and products</b>	<b>45</b>	<b>3</b>	<b>41</b>	<b>—</b>	<b>0</b>	<b>—</b>
7110 machinery (not elec)	13	3	10	—	0	—
7120 electrical machinery	0	0	—	—	—	—
7210 vehicles & parts	0	0	—	—	—	—
7230 ships & boats	0	0	—	—	—	—
7900 manufac. prod. nec	31	0	31	—	—	—
<b>Total waste and scrap nec</b>	<b>0</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>0</b>
8900 waste and scrap nec	0	—	0	—	—	0
<b>Total unknown or not elsewhere classified</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
9900 unknown or nec	0	0	—	—	—	—

PORT HUENEME, CA

Section Included: Harbor at Port Hueneme. Project Depths: 40 feet in approach channel; 36 feet in entrance channel; 35 feet in Channel Basin and Channel A. Controlling Depth: 40 feet in approach channel; 36 feet in entrance channel; 35 feet in Central Basin and Channel A.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
2007	1,471	2010	1,382	2013	1,630	2016	1,582
2008	1,301	2011	1,472	2014	1,548		
2009	1,372	2012	1,541	2015	1,712		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Foreign		Domestic		
		Inbound	Outbound	Total	Coastwise	
					Receipts	Shipments
<b>Total, all commodities</b>	<b>1,581</b>	<b>1,396</b>	<b>172</b>	<b>13</b>	<b>3</b>	<b>10</b>
<b>Total petroleum and petroleum products</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>—</b>
<b>Subtotal petroleum products</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>—</b>
2330 distillate fuel oil	0	—	0	—	—	—
2340 residual fuel oil	2	—	—	2	2	—
2350 lube oil & greases	0	0	0	—	—	—
2429 naophtha & solvents	0	0	—	—	—	—
<b>Total chemicals and related products</b>	<b>174</b>	<b>172</b>	<b>2</b>	<b>—</b>	<b>—</b>	<b>—</b>
<b>Subtotal fertilizers</b>	<b>170</b>	<b>170</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
3110 nitrogenous fert.	170	170	—	—	—	—
<b>Subtotal other chemicals and related products</b>	<b>4</b>	<b>2</b>	<b>2</b>	<b>—</b>	<b>—</b>	<b>—</b>
3219 other hydrocarbons	0	0	—	—	—	—
3220 alcohols	0	0	—	—	—	—
3230 carboxylic acids	0	0	—	—	—	—
3260 organic comp. nec	0	0	—	—	—	—
3275 inorg. elem., oxides, & halogen salts	0	—	0	—	—	—
3276 metallic salts	2	1	0	—	—	—
3279 inorganic chem. nec	0	—	0	—	—	—
3282 pigments & paints	0	0	0	—	—	—
3283 coloring mat. nec	0	—	0	—	—	—
3284 medicines	1	0	1	—	—	—
3285 perfumes & cleansers	0	0	0	—	—	—
3286 plastics	0	0	0	—	—	—
3291 pesticides	0	0	—	—	—	—
3292 starches, gluten, glue	0	0	—	—	—	—
3297 chemical additives	0	0	0	—	—	—
3299 chem. products nec	0	0	0	—	—	—
<b>Total crude materials, inedible except fuels</b>	<b>23</b>	<b>1</b>	<b>22</b>	<b>—</b>	<b>—</b>	<b>—</b>
<b>Subtotal forest products, wood and chips</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>
4189 lumber	0	0	0	—	—	—
4190 forest products nec	0	0	0	—	—	—
<b>Subtotal pulp and waste paper</b>	<b>22</b>	<b>—</b>	<b>22</b>	<b>—</b>	<b>—</b>	<b>—</b>
4225 pulp & waste paper	22	—	22	—	—	—
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
4310 building stone	0	0	—	—	—	—
<b>Subtotal iron ore and scrap</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
4420 iron & steel scrap	0	0	—	—	—	—
<b>Subtotal marine shells</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
4515 marine shells	0	0	—	—	—	—
<b>Subtotal non-ferrous ores and scrap</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>
4650 aluminum ore	0	0	—	—	—	—
4680 non-ferrous scrap	0	0	0	—	—	—
<b>Subtotal sulphur, clay and salt</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
4782 clay & refrac. mat.	0	0	—	—	—	—
4783 salt	0	0	—	—	—	—
<b>Subtotal other non-metal. min.</b>	<b>0</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>
4900 non-metal. min. nec	0	—	0	—	—	—
<b>Total primary manufactured goods</b>	<b>11</b>	<b>10</b>	<b>1</b>	<b>—</b>	<b>—</b>	<b>—</b>
<b>Subtotal paper products</b>	<b>3</b>	<b>3</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>
5120 paper & paperboard	1	0	0	—	—	—
5190 paper products nec	2	2	0	—	—	—
<b>Subtotal lime, cement and glass</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>
5210 lime	0	0	—	—	—	—
5220 cement & concrete	0	0	—	—	—	—
5240 glass & glass prod.	2	2	—	—	—	—
5290 misc. mineral prod.	0	0	0	—	—	—
<b>Subtotal primary iron and steel products</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>
5320 i&s primary forms	0	0	0	—	—	—
5330 i&s plates & sheets	0	0	—	—	—	—
5360 i&s bars & shapes	0	0	—	—	—	—
5370 i&s pipe & tube	0	0	0	—	—	—
<b>Subtotal primary non-ferrous metal products</b>	<b>4</b>	<b>3</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>
5422 aluminum	0	0	0	—	—	—
5429 smelted prod. nec	1	1	0	—	—	—
5480 fab. metal products	2	2	0	—	—	—
<b>Subtotal primary wood products</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>
5540 primary wood prod.	1	1	0	—	—	—
<b>Total food and farm products</b>	<b>807</b>	<b>759</b>	<b>48</b>	<b>—</b>	<b>—</b>	<b>—</b>
<b>Subtotal fish</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
6134 fish (not shellfish)	0	0	—	—	—	—
6136 shellfish	0	0	—	—	—	—
<b>Subtotal grain</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>
6344 corn	0	0	—	—	—	—
6442 rice	0	—	0	—	—	—
<b>Subtotal oilseeds</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
6521 peanuts	0	0	—	—	—	—
6522 soybeans	0	0	—	—	—	—
<b>Subtotal vegetable products</b>	<b>21</b>	<b>1</b>	<b>19</b>	<b>—</b>	<b>—</b>	<b>—</b>
6653 vegetable oils	0	0	—	—	—	—
6654 vegetables & prod.	21	1	19	—	—	—
<b>Subtotal processed grain and animal feed</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>—</b>	<b>—</b>	<b>—</b>
6747 grain mill products	1	0	1	—	—	—
6782 animal feed, prep.	0	0	0	—	—	—
<b>Subtotal other agricultural products</b>	<b>786</b>	<b>758</b>	<b>28</b>	<b>—</b>	<b>—</b>	<b>—</b>
6811 meat, fresh, frozen	2	1	1	—	—	—

PORT HUENEME, CA  
Freight Traffic, 2016 - continued  
(thousand short tons)

Commodity	Grand Total	Foreign		Domestic		
		Inbound	Outbound	Total	Coastwise	
					Receipts	Shipments
6822 dairy products	2	—	2	—	—	—
6835 fish, prepared	0	—	0	—	—	—
6839 animals & prod. nec	0	—	0	—	—	—
6856 bananas & plantains	605	605	0	—	—	—
6857 fruit & nuts nec	168	147	21	—	—	—
6858 fruit juices	5	4	1	—	—	—
6861 sugar	0	0	—	—	—	—
6865 molasses	0	0	—	—	—	—
6871 coffee	0	0	—	—	—	—
6885 alcoholic beverages	0	0	0	—	—	—
6889 food products nec	3	1	2	—	—	—
6893 cotton	0	—	0	—	—	—
6899 farm products nec	0	0	—	—	—	—
<b>Total all manufactured equipment, machinery and products</b>	<b>533</b>	<b>441</b>	<b>81</b>	<b>11</b>	<b>1</b>	<b>10</b>
7110 machinery (not elec)	57	42	6	8	—	8
7120 electrical machinery	4	1	2	—	—	—
7210 vehicles & parts	437	388	48	—	—	—
7220 aircraft & parts	0	0	0	—	—	—
7230 ships & boats	2	2	0	—	—	—
7300 ordnance & access.	0	0	—	—	—	—
7400 manufac. wood prod.	0	0	0	—	—	—
7500 textile products	10	1	9	—	—	—
7600 rubber & plastic pr.	6	1	5	—	—	—
7900 manufac. prod. nec	16	5	9	2	1	1
<b>Total unknown or not elsewhere classified</b>	<b>31</b>	<b>13</b>	<b>18</b>	<b>0</b>	<b>0</b>	<b>—</b>
9900 unknown or nec	31	13	18	0	0	—

Other Harbors and Waterways 2016

Harbor or Waterway Project	Commodity	Thousand Short Tons
MISSION BAY, CA	No Commerce Reported	
MORRO BAY HARBOR, CA	No Commerce Reported	
NEWPORT BAY HARBOR, CA	No Commerce Reported	
OCEANSIDE HARBOR, CA	No Commerce Reported	
REDONDO BEACH, CA	No Commerce Reported	
SANTA BARBARA HARBOR, CA	7110 machinery (not elec)	0
	7120 electrical machinery	0
	7900 manufac. prod. nec	0
	<b>Total Tons(x1000)</b>	<b>0</b>

SACRAMENTO RIVER, CA (INCLUDING COMMERCE OF SACRAMENTO RIVER DEEPWATER SHIP CHANNEL  
AND THE PORT OF SACRAMENTO, CA)

Section Included: From mouth of river to Red Bluff via river route, a distance of 248 miles; from mouth of Cache Slough to Washington Lake via Sacramento River Deepwater Ship Channel, a distance of 29.9 miles. Controlling Depth: Mouth of river to Cache Slough, 29 feet; mouth of Cache Slough to Washington Lake via Sacramento River Deepwater Ship Channel, 29 feet.; mouth of Cache Slough to Sacramento via river route, 10 feet; Sacramento to Colusa, 6 feet in low water season; Colusa to Chico Landing, 3 feet., Chico Landing to Red Bluff, 1.5 feet. Project Depth: 30 feet from mouth of river to Cache Slough; 30 feet from Cache Slough to Washington Lake via Sacramento River Deepwater Ship Channel; 10 feet from mouth of Cache Slough to Sacramento via river route; 6 feet from Sacramento to Colusa; 5 feet. from Colusa to Chico Landing; such depths as practicable from Chico Landing to Red Bluff.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
2007	824	2010	657	2013	1,087	<b>2016</b>	<b>635</b>
2008	889	2011	768	2014	610		
2009	611	2012	691	2015	814		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Foreign		Domestic		
		Inbound	Outbound	Total	Internal	
					Inbound Upbound	Outbound Downbnd
<b>Total, all commodities</b>	<b>635</b>	<b>433</b>	<b>166</b>	<b>36</b>	<b>21</b>	<b>15</b>
<b>Total chemicals and related products</b>	<b>79</b>	<b>79</b>	---	---	---	---
<b>Subtotal fertilizers</b>	<b>79</b>	<b>79</b>	---	---	---	---
3110 nitrogenous fert.	79	79	---	---	---	---
<b>Total crude materials, inedible except fuels</b>	<b>36</b>	---	---	<b>36</b>	<b>21</b>	<b>15</b>
<b>Subtotal forest products, wood and chips</b>	<b>0</b>	---	---	<b>0</b>	<b>0</b>	<b>0</b>
4189 lumber	0	---	---	0	0	0
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>15</b>	---	---	<b>15</b>	---	<b>15</b>
4331 sand & gravel	15	---	---	15	---	15
<b>Subtotal marine shells</b>	<b>21</b>	---	---	<b>21</b>	<b>21</b>	---
4515 marine shells	21	---	---	21	21	---
<b>Total primary manufactured goods</b>	<b>243</b>	<b>243</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Subtotal paper products</b>	<b>0</b>	---	<b>0</b>	---	---	---
5190 paper products nec	0	---	0	---	---	---
<b>Subtotal lime, cement and glass</b>	<b>243</b>	<b>243</b>	---	<b>0</b>	<b>0</b>	<b>0</b>
5220 cement & concrete	243	243	---	---	---	---
5290 misc. mineral prod.	0	---	---	0	0	0
<b>Total food and farm products</b>	<b>277</b>	<b>111</b>	<b>166</b>	---	---	---
<b>Subtotal grain</b>	<b>257</b>	<b>91</b>	<b>166</b>	---	---	---
6344 corn	91	91	---	---	---	---
6442 rice	166	---	166	---	---	---
<b>Subtotal oilseeds</b>	<b>20</b>	<b>20</b>	---	---	---	---
6522 soybeans	20	20	---	---	---	---
<b>Total all manufactured equipment, machinery and products</b>	<b>0</b>	---	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
7400 manufac. wood prod.	0	---	---	0	0	0
7900 manufac. prod. nec	0	---	0	---	---	---
<b>Ton-miles (x1000)</b>	<b>51,635</b>	<b>37,247</b>	<b>14,278</b>	<b>110</b>	<b>2</b>	<b>108</b>

**Tons All Traffic (x1000)** **635**  
**Ton-miles All Traffic (x1000)** **51,635**  
**Total Trip-ton-miles Internal and Intraport (x1000)** **2,195**

SACRAMENTO RIVER DEEPWATER SHIP CHANNEL, CA (INCLUDED IN SACRAMENTO RIVER, CA)

Section Included: A Deepwater Ship Channel from Suisun Bay to the Inland Harbor at Sacramento, a distance of 43 miles; a triangular shaped deep draft harbor and turning basin located at West Sacramento; a 1.5 mile-long barge canal with navigation lock connecting the deep draft harbor with the Sacramento River. Controlling Depth: 29 feet. in the Deepwater Ship Channel and triangular shaped harbor and turning basin; 13 feet in the barge canal. Project Depth: 30 feet in the Deepwater Ship Channel and triangular shaped harbor and turning basin; 13 feet in the barge canal.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
2007	700	2010	385	2013	511	<b>2016</b>	<b>599</b>
2008	825	2011	357	2014	439		
2009	490	2012	414	2015	488		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Foreign	
		Inbound	Outbound
<b>Total, all commodities</b>	<b>599</b>	<b>433</b>	<b>166</b>
<b>Total chemicals and related products</b>	<b>79</b>	<b>79</b>	---
<b>Subtotal fertilizers</b>	<b>79</b>	<b>79</b>	---
3110 nitrogenous fert.	79	79	---
<b>Total primary manufactured goods</b>	<b>243</b>	<b>243</b>	<b>0</b>
<b>Subtotal paper products</b>	<b>0</b>	---	<b>0</b>
5190 paper products nec	0	---	0
<b>Subtotal lime, cement and glass</b>	<b>243</b>	<b>243</b>	---
5220 cement & concrete	243	243	---
<b>Total food and farm products</b>	<b>277</b>	<b>111</b>	<b>166</b>
<b>Subtotal grain</b>	<b>257</b>	<b>91</b>	<b>166</b>
6344 corn	91	91	---
6442 rice	166	---	166
<b>Subtotal oilseeds</b>	<b>20</b>	<b>20</b>	---
6522 soybeans	20	20	---
<b>Total all manufactured equipment, machinery and products</b>	<b>0</b>	---	<b>0</b>



SACRAMENTO RIVER DEEPWATER SHIP CHANNEL, CA (INCLUDED IN SACRAMENTO RIVER, CA)  
Freight Traffic, 2016 - continued  
(thousand short tons)

Commodity	Grand Total	Foreign	
		Inbound	Outbound
7900 manufac. prod. nec	0	—	0
<b>Ton-miles (x1000)</b>	<b>24,564</b>	<b>17,757</b>	<b>6,807</b>

**Tons All Traffic (x1000)** **599**  
**Ton-miles All Traffic (x1000)** **24,564**

SACRAMENTO, CA (INCLUDED IN SACRAMENTO RIVER, CA)

Section Included: A triangular shaped harbor and turning basin at Washington Lake, West Sacramento, adjacent to channel; a connecting barge canal to the Sacramento River shallow draft channel; thence upstream to a point approximately 6.6 miles upstream at Bryte. Controlling Depth: 29 feet in the deepwater channel harbor and turning basin; 13 feet in the connecting barge canal; 10 feet in the shallow draft channel. Project Depth: 30 feet in the deepwater channel harbor and turning basin; 13 feet in the connecting barge canal; 10 feet in the shallow draft channel.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
2007	700	2010	385	2013	511	<b>2016</b>	<b>599</b>
2008	825	2011	357	2014	439		
2009	490	2012	414	2015	488		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Foreign	
		Inbound	Outbound
<b>Total, all commodities</b>	<b>599</b>	<b>433</b>	<b>166</b>
<b>Total chemicals and related products</b>	<b>79</b>	<b>79</b>	<b>—</b>
<b>Subtotal fertilizers</b>	<b>79</b>	<b>79</b>	<b>—</b>
3110 nitrogenous fert.	79	79	—
<b>Total primary manufactured goods</b>	<b>243</b>	<b>243</b>	<b>0</b>
<b>Subtotal paper products</b>	<b>0</b>	<b>—</b>	<b>0</b>
5190 paper products nec	0	—	0
<b>Subtotal lime, cement and glass</b>	<b>243</b>	<b>243</b>	<b>—</b>
5220 cement & concrete	243	243	—
<b>Total food and farm products</b>	<b>277</b>	<b>111</b>	<b>166</b>
<b>Subtotal grain</b>	<b>257</b>	<b>91</b>	<b>166</b>
6344 corn	91	91	—
6442 rice	166	—	166
<b>Subtotal oilseeds</b>	<b>20</b>	<b>20</b>	<b>—</b>
6522 soybeans	20	20	—
<b>Total all manufactured equipment, machinery and products</b>	<b>0</b>	<b>—</b>	<b>0</b>
7900 manufac. prod. nec	0	—	0

SAN JOAQUIN RIVER, CA (INCLUDING COMMERCE OF PORT OF STOCKTON, CA)

Section Included: From mouth of New York Slough to city of Stockton, 41 miles; from Stockton Channel to Hills Ferry, 84 miles. Controlling Depth: mouth of river to Mormon Channel, Stockton, 35 feet; other connecting channels, 2 feet to 9 feet; to Edison Street, 22 feet. Project Depth: 35 feet from the mouth of New York Slough to Mormon Channel at Stockton; 30 feet from Mormon Channel to Edison Street; other connecting channels, 9 feet.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
2007	5,182	2010	3,438	2013	5,984	<b>2016</b>	<b>6,493</b>
2008	3,783	2011	5,458	2014	7,154		
2009	3,346	2012	5,833	2015	6,613		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Foreign		Domestic		
		Inbound	Outbound	Total	Coastwise	Internal
					Receipts	Inbound
<b>Total, all commodities</b>	<b>6,493</b>	<b>3,785</b>	<b>2,627</b>	<b>82</b>	<b>42</b>	<b>39</b>
<b>Total coal</b>	<b>795</b>	<b>—</b>	<b>795</b>	<b>—</b>	<b>—</b>	<b>—</b>
1100 coal & lignite	795	—	795	—	—	—
<b>Total petroleum and petroleum products</b>	<b>1,141</b>	<b>—</b>	<b>1,141</b>	<b>—</b>	<b>—</b>	<b>—</b>
<b>Subtotal petroleum products</b>	<b>1,141</b>	<b>—</b>	<b>1,141</b>	<b>—</b>	<b>—</b>	<b>—</b>
2330 distillate fuel oil	18	—	18	—	—	—
2540 petroleum coke	1,123	—	1,123	—	—	—
<b>Total chemicals and related products</b>	<b>1,093</b>	<b>1,041</b>	<b>18</b>	<b>34</b>	<b>34</b>	<b>—</b>
<b>Subtotal fertilizers</b>	<b>884</b>	<b>851</b>	<b>—</b>	<b>34</b>	<b>34</b>	<b>—</b>
3110 nitrogenous fert.	820	786	—	34	34	—
3130 potassic fert.	12	12	—	—	—	—
3190 fert. & mixes nec	52	52	—	—	—	—
<b>Subtotal other chemicals and related products</b>	<b>209</b>	<b>191</b>	<b>18</b>	<b>—</b>	<b>—</b>	<b>—</b>
3220 alcohols	23	5	18	—	—	—
3230 carboxylic acids	3	3	—	—	—	—
3273 ammonia	165	165	—	—	—	—
3274 sodium hydroxide	7	7	—	—	—	—
3276 metallic salts	12	12	—	—	—	—
<b>Total crude materials, inedible except fuels</b>	<b>995</b>	<b>711</b>	<b>280</b>	<b>4</b>	<b>—</b>	<b>4</b>
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>480</b>	<b>476</b>	<b>—</b>	<b>4</b>	<b>—</b>	<b>4</b>
4323 gypsum	476	476	—	—	—	—

SAN JOAQUIN RIVER, CA (INCLUDING COMMERCE OF PORT OF STOCKTON, CA)  
Freight Traffic, 2016 - continued  
(thousand short tons)

Commodity	Grand Total	Foreign		Domestic		
		Inbound	Outbound	Total	Coastwise	Internal
				Receipts		Inbound
					Upbound	
4331 sand & gravel	4	—	—	4	—	4
<b>Subtotal iron ore and scrap</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
4420 iron & steel scrap	0	0	—	—	—	—
<b>Subtotal sulphur, clay and salt</b>	<b>459</b>	<b>178</b>	<b>280</b>	<b>—</b>	<b>—</b>	<b>—</b>
4741 sulphur, (dry)	280	—	280	—	—	—
4782 clay & refrac. mat.	8	8	—	—	—	—
4783 salt	170	170	—	—	—	—
<b>Subtotal slag</b>	<b>56</b>	<b>56</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
4860 slag	56	56	—	—	—	—
<b>Total primary manufactured goods</b>	<b>1,389</b>	<b>1,388</b>	<b>1</b>	<b>—</b>	<b>—</b>	<b>—</b>
<b>Subtotal lime, cement and glass</b>	<b>548</b>	<b>548</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
5220 cement & concrete	548	548	—	—	—	—
<b>Subtotal primary iron and steel products</b>	<b>561</b>	<b>560</b>	<b>1</b>	<b>—</b>	<b>—</b>	<b>—</b>
5320 i&s primary forms	7	7	—	—	—	—
5330 i&s plates & sheets	276	276	—	—	—	—
5360 i&s bars & shapes	154	154	—	—	—	—
5370 i&s pipe & tube	12	11	1	—	—	—
5390 primary i&s nec	112	112	—	—	—	—
<b>Subtotal primary non-ferrous metal products</b>	<b>280</b>	<b>280</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
5429 smelted prod. nec	5	5	—	—	—	—
5480 fab. metal products	275	275	—	—	—	—
<b>Total food and farm products</b>	<b>1,069</b>	<b>643</b>	<b>382</b>	<b>44</b>	<b>9</b>	<b>35</b>
<b>Subtotal grain</b>	<b>409</b>	<b>147</b>	<b>262</b>	<b>—</b>	<b>—</b>	<b>—</b>
6344 corn	122	122	—	—	—	—
6442 rice	286	24	262	—	—	—
<b>Subtotal oilseeds</b>	<b>122</b>	<b>122</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
6522 soybeans	75	75	—	—	—	—
6590 oilseeds nec	48	48	—	—	—	—
<b>Subtotal vegetable products</b>	<b>115</b>	<b>115</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
6653 vegetable oils	115	115	—	—	—	—
<b>Subtotal processed grain and animal feed</b>	<b>158</b>	<b>39</b>	<b>119</b>	<b>—</b>	<b>—</b>	<b>—</b>
6782 animal feed, prep.	158	39	119	—	—	—
<b>Subtotal other agricultural products</b>	<b>266</b>	<b>221</b>	<b>—</b>	<b>44</b>	<b>9</b>	<b>35</b>
6865 molasses	204	160	—	44	9	35
6889 food products nec	61	61	—	—	—	—
<b>Total all manufactured equipment, machinery and products</b>	<b>11</b>	<b>1</b>	<b>10</b>	<b>—</b>	<b>—</b>	<b>—</b>
7110 machinery (not elec)	0	0	0	—	—	—
7120 electrical machinery	0	0	—	—	—	—
7210 vehicles & parts	0	0	—	—	—	—
7230 ships & boats	0	0	—	—	—	—
7600 rubber & plastic pr.	10	0	10	—	—	—
7900 manufac. prod. nec	1	0	0	—	—	—
<b>Ton-miles (x1000)</b>	<b>184,715</b>	<b>117,900</b>	<b>63,527</b>	<b>3,288</b>	<b>1,785</b>	<b>1,503</b>

**Tons All Traffic (x1000)** 6,493  
**Ton-miles All Traffic (x1000)** 184,715  
**Total Trip-ton-miles Internal and Intraport (x1000)** 3,114

STOCKTON, CA (INCLUDED IN SAN JOAQUIN RIVER, CA)

Section Included: Harbor at Stockton (and vicinity). Controlling Depth: 35 feet in Stockton Channel up to mouth of Mormon Channel; 8 feet in Mormon Channel; 8 feet in Fremont Channel, McLeod Lake and in the head of Stockton Channel. Project Depth: (Included in San Joaquin River project).

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
2007	2,823	2010	1,814	2013	3,452	<b>2016</b>	<b>4,290</b>
2008	1,772	2011	3,482	2014	4,619		
2009	1,633	2012	3,456	2015	4,035		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Foreign		Domestic		
		Inbound	Outbound	Total	Coastwise	Internal
				Receipts		Receipts
<b>Total, all commodities</b>	<b>4,290</b>	<b>2,727</b>	<b>1,485</b>	<b>78</b>	<b>42</b>	<b>35</b>
<b>Total coal</b>	<b>795</b>	<b>—</b>	<b>795</b>	<b>—</b>	<b>—</b>	<b>—</b>
1100 coal & lignite	795	—	795	—	—	—
<b>Total chemicals and related products</b>	<b>1,093</b>	<b>1,041</b>	<b>18</b>	<b>34</b>	<b>34</b>	<b>—</b>
<b>Subtotal fertilizers</b>	<b>884</b>	<b>851</b>	<b>—</b>	<b>34</b>	<b>34</b>	<b>—</b>
3110 nitrogenous fert.	820	786	—	34	34	—
3130 potassic fert.	12	12	—	—	—	—
3190 fert. & mixes nec	52	52	—	—	—	—
<b>Subtotal other chemicals and related products</b>	<b>209</b>	<b>191</b>	<b>18</b>	<b>—</b>	<b>—</b>	<b>—</b>
3220 alcohols	23	5	18	—	—	—
3230 carboxylic acids	3	3	—	—	—	—
3273 ammonia	165	165	—	—	—	—
3274 sodium hydroxide	7	7	—	—	—	—
3276 metallic salts	12	12	—	—	—	—
<b>Total crude materials, inedible except fuels</b>	<b>436</b>	<b>156</b>	<b>280</b>	<b>—</b>	<b>—</b>	<b>—</b>
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>91</b>	<b>91</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
4323 gypsum	91	91	—	—	—	—

STOCKTON, CA (INCLUDED IN SAN JOAQUIN RIVER, CA)  
 Freight Traffic, 2016 - continued  
 (thousand short tons)

Commodity	Grand Total	Foreign		Domestic		
		Inbound	Outbound	Total	Coastwise Receipts	Internal Receipts
<b>Subtotal iron ore and scrap</b>	<b>0</b>	<b>0</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>
4420 iron & steel scrap	0	0	---	---	---	---
<b>Subtotal sulphur, clay and salt</b>	<b>288</b>	<b>8</b>	<b>280</b>	<b>---</b>	<b>---</b>	<b>---</b>
4741 sulphur, (dry)	280	---	280	---	---	---
4782 clay & refrac. mat.	8	8	---	---	---	---
<b>Subtotal slag</b>	<b>56</b>	<b>56</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>
4860 slag	56	56	---	---	---	---
<b>Total primary manufactured goods</b>	<b>886</b>	<b>886</b>	<b>1</b>	<b>---</b>	<b>---</b>	<b>---</b>
<b>Subtotal lime, cement and glass</b>	<b>548</b>	<b>548</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>
5220 cement & concrete	548	548	---	---	---	---
<b>Subtotal primary iron and steel products</b>	<b>323</b>	<b>322</b>	<b>1</b>	<b>---</b>	<b>---</b>	<b>---</b>
5320 i&s primary forms	7	7	---	---	---	---
5330 i&s plates & sheets	37	37	---	---	---	---
5360 i&s bars & shapes	154	154	---	---	---	---
5370 i&s pipe & tube	12	11	1	---	---	---
5390 primary i&s nec	112	112	---	---	---	---
<b>Subtotal primary non-ferrous metal products</b>	<b>16</b>	<b>16</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>
5429 smelted prod. nec	5	5	---	---	---	---
5480 fab. metal products	11	11	---	---	---	---
<b>Total food and farm products</b>	<b>1,069</b>	<b>643</b>	<b>382</b>	<b>44</b>	<b>9</b>	<b>35</b>
<b>Subtotal grain</b>	<b>409</b>	<b>147</b>	<b>262</b>	<b>---</b>	<b>---</b>	<b>---</b>
6344 corn	122	122	---	---	---	---
6442 rice	286	24	262	---	---	---
<b>Subtotal oilseeds</b>	<b>122</b>	<b>122</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>
6522 soybeans	75	75	---	---	---	---
6590 oilseeds nec	48	48	---	---	---	---
<b>Subtotal vegetable products</b>	<b>115</b>	<b>115</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>
6653 vegetable oils	115	115	---	---	---	---
<b>Subtotal processed grain and animal feed</b>	<b>158</b>	<b>39</b>	<b>119</b>	<b>---</b>	<b>---</b>	<b>---</b>
6782 animal feed, prep.	158	39	119	---	---	---
<b>Subtotal other agricultural products</b>	<b>266</b>	<b>221</b>	<b>---</b>	<b>44</b>	<b>9</b>	<b>35</b>
6865 molasses	204	160	---	44	9	35
6889 food products nec	61	61	---	---	---	---
<b>Total all manufactured equipment, machinery and products</b>	<b>11</b>	<b>1</b>	<b>10</b>	<b>---</b>	<b>---</b>	<b>---</b>
7110 machinery (not elec)	0	0	0	---	---	---
7120 electrical machinery	0	0	---	---	---	---
7210 vehicles & parts	0	0	---	---	---	---
7230 ships & boats	0	0	---	---	---	---
7600 rubber & plastic pr.	10	---	10	---	---	---
7900 manufac. prod. nec	1	0	0	---	---	---

Other Harbors and Waterways 2016

Harbor or Waterway Project	Commodity	Thousand Short Tons
MIDDLE RIVER, CA	No Commerce Reported	
MOKELUMNE RIVER, CA	No Commerce Reported	
OLD RIVER, CA	No Commerce Reported	

TOTAL WATERBORNE COMMERCE OF THE SAN FRANCISCO BAY AND DELTA AREAS, CA

Freight Traffic, 2016  
(thousand short tons)

Locality	*Foreign/Canadian		Domestic				Total	Percent	Through Traffic
	Inbound	Outbound	Coastwise		Internal				
			Receipts	Shipmnts	Receipts Shipmnts	Intraport			
NEWARK SLOUGH, CA	---	---	---	---	---	---	0.00	---	
SACRAMENTO RIVER, CA	433	166	---	---	36	---	0.81	---	
OTHER SAN FRANCISCO BAY AREA PORTS, CA	---	35	19	---	1,239	287	2.02	---	
SAN RAFAEL CREEK, CA	---	---	---	---	---	---	0.00	---	
PETALUMA RIVER, CA	---	---	---	---	128	---	0.16	---	
SAN JOAQUIN RIVER, CA**	3,785	2,627	42	---	39	---	6.493	---	
REDWOOD CITY HARBOR, CA	1,437	373	---	---	96	---	2.43	---	
SAN PABLO BAY AND MARE ISLAND STRAIT, CA	1,405	659	189	183	232	0	3.41	26,433	
RICHMOND HARBOR, CA	12,031	3,613	5,097	1,849	1,570	521	24.679	31.50	---
CARQUINEZ STRAIT, CA	11,488	1,187	2,988	1,664	184	29	17,541	22.39	9,122
NAPA RIVER, CA	---	---	---	---	36	---	36	0.05	---
BERKELEY, CA	---	---	---	---	---	---	---	0.00	---
SAN FRANCISCO HARBOR, CA	1,101	1	---	---	484	---	1,585	2.02	---
SUISUN BAY CHANNEL, CA	34	309	604	344	755	0	2,046	2.61	7,121
OAKLAND HARBOR, CA	7,201	9,888	123	790	1,045	6	19,052	24.32	---
ALVISO SLOUGH, CA	---	---	---	---	---	---	---	0.00	---
COYOTE HILL SLOUGH, CA	---	---	---	---	---	---	---	0.00	---
SUISUN CHANNEL, CA	---	---	---	---	---	---	---	0.00	---
TOTAL (UNADJUSTED)	38,913	18,858	9,063	4,830	5,843	844	78,350	---	42,676
PERCENT (UNADJUSTED)	49.67	24.07	11.57	6.16	7.46	1.08	---	100.00	---
NET VOLUME OF TONNAGE FOR THE AREA***	38,913	18,858	9,063	4,830	2,921	844	75,428	---	---
PERCENT (ADJUSTED)	51.59	25.00	12.02	6.40	3.87	1.12	---	100.00	---

\* Not included in the tonnage of the Bay and Delta Areas.

\*\* Tributaries to San Joaquin River include Mokelumne Middle, and Old River.

\*\*\* Adjusted to net volume by excluding duplication of internal traffic moved between ports and waterways of the San Francisco Bay and Delta Areas.

SAN FRANCISCO BAY ENTRANCE, CA

Section Included: Main ship channel. Controlling Depth: Main ship channel, 55.0 feet. Project Depth: Main ship channel, 55 feet.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
2007	66,290	2010	62,658	2013	70,851	2016	71,663
2008	67,309	2011	65,075	2014	72,609		
2009	62,960	2012	67,971	2015	73,697		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic		
		Through		Through		Total	Coastwise	
		Upbound	Downbnd	Upbound	Downbnd		Through	
						Upbound	Downbnd	
<b>Total, all commodities</b>	<b>71,663</b>	<b>35,578</b>	<b>18,622</b>	<b>3,335</b>	<b>236</b>	<b>13,893</b>	<b>9,063</b>	<b>4,830</b>
<b>Total coal</b>	<b>1,259</b>	<b>2</b>	<b>1,257</b>	---	---	---	---	---
1100 coal & lignite	1,259	2	1,257	---	---	---	---	---
<b>Total petroleum and petroleum products</b>	<b>41,551</b>	<b>22,157</b>	<b>5,970</b>	<b>539</b>	<b>194</b>	<b>12,691</b>	<b>8,763</b>	<b>3,928</b>
<b>Subtotal crude petroleum</b>	<b>23,808</b>	<b>19,218</b>	---	<b>484</b>	---	<b>4,106</b>	<b>4,068</b>	<b>38</b>
2100 crude petroleum	23,808	19,218	---	484	---	4,106	4,068	38
<b>Subtotal petroleum products</b>	<b>17,743</b>	<b>2,939</b>	<b>5,970</b>	<b>55</b>	<b>194</b>	<b>8,585</b>	<b>4,695</b>	<b>3,890</b>
2211 gasoline	4,861	141	1,327	22	93	3,278	1,568	1,710
2221 kerosene	1,282	502	77	---	10	693	331	362
2330 distillate fuel oil	6,328	1,445	2,435	31	90	2,327	1,680	647
2340 residual fuel oil	2,347	603	121	---	---	1,624	1,090	533
2350 lube oil & greases	464	32	151	---	---	281	5	276
2410 petro. jelly & waxes	56	56	0	---	---	---	---	---
2429 naphtha & solvents	621	159	77	3	---	381	20	360
2430 asphalt, tar & pitch	37	---	37	---	---	---	---	---
2540 petroleum coke	1,745	0	1,745	---	---	---	---	---
2640 hydrocarbon & petrol gases, liquefied and gaseous	1	1	0	---	---	---	---	---
2990 petro. products nec	1	---	---	---	---	1	---	1
<b>Total chemicals and related products</b>	<b>2,574</b>	<b>1,893</b>	<b>492</b>	<b>26</b>	<b>3</b>	<b>160</b>	<b>34</b>	<b>126</b>
<b>Subtotal fertilizers</b>	<b>1,010</b>	<b>957</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>43</b>	<b>34</b>	<b>9</b>
3110 nitrogenous fert.	908	874	0	0	---	34	34	---
3120 phosphatic fert.	0	0	0	---	---	---	---	---
3130 potassic fert.	13	13	0	---	---	---	---	---
3190 fert. & mixes nec	88	70	9	0	0	9	1	9
<b>Subtotal other chemicals and related products</b>	<b>1,564</b>	<b>936</b>	<b>482</b>	<b>25</b>	<b>3</b>	<b>117</b>	<b>0</b>	<b>117</b>
3211 acyclic hydrocarbons	22	0	21	---	---	---	---	---

SAN FRANCISCO BAY ENTRANCE, CA  
Freight Traffic, 2016 - continued  
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic		
		Through		Through		Total	Coastwise	
		Upbound	Downbnd	Upbound	Downbnd		Upbound	Downbnd
3212 benzene & toluene	13	13	0	—	—	—	—	—
3219 other hydrocarbons	2	1	1	—	—	—	—	—
3220 alcohols	251	115	22	0	—	113	—	113
3230 carboxylic acids	185	180	4	—	—	—	—	—
3240 nitrogen func. comp.	13	9	4	—	—	—	—	—
3250 organo - inorg. comp.	6	5	1	—	—	—	—	—
3260 organic comp. nec	12	3	3	6	—	—	—	—
3272 sulphuric acid	1	0	1	—	—	—	—	—
3273 ammonia	165	165	0	—	—	—	—	—
3274 sodium hydroxide	93	92	1	—	—	—	—	—
3275 inorg. elem., oxides, & halogen salts	106	32	73	—	—	—	—	—
3276 metallic salts	95	81	13	1	—	—	—	—
3279 inorganic chem. nec	2	1	1	—	—	—	—	—
3281 radioactive material	5	0	5	—	0	—	—	—
3282 pigments & paints	20	6	14	0	0	1	—	1
3283 coloring mat. nec	4	2	2	—	—	—	—	—
3284 medicines	18	5	13	0	—	—	—	—
3285 perfumes & cleansers	107	20	87	0	—	0	—	0
3286 plastics	287	119	168	0	0	—	—	—
3291 pesticides	7	5	2	—	—	0	—	0
3292 starches, gluten, glue	32	16	15	0	0	—	—	—
3293 explosives	5	5	0	—	—	—	—	—
3297 chemical additives	61	36	4	18	2	—	—	—
3298 wood & resin chem.	0	0	0	—	—	—	—	—
3299 chem. products nec	54	25	26	0	—	3	0	3
<b>Total crude materials, inedible except fuels</b>	<b>8,216</b>	<b>1,327</b>	<b>4,120</b>	<b>2,760</b>	<b>0</b>	<b>8</b>	<b>2</b>	<b>6</b>
<b>Subtotal forest products, wood and chips</b>	<b>671</b>	<b>165</b>	<b>492</b>	<b>8</b>	<b>—</b>	<b>6</b>	<b>1</b>	<b>5</b>
4110 rubber & gums	3	2	1	—	—	—	—	—
4150 fuel wood	8	5	3	0	—	—	—	—
4161 wood chips	87	1	86	—	—	—	—	—
4170 wood in the rough	213	16	197	0	—	—	—	—
4189 lumber	332	122	201	8	—	1	0	1
4190 forest products nec	28	20	3	0	—	5	0	5
<b>Subtotal pulp and waste paper</b>	<b>1,765</b>	<b>15</b>	<b>1,750</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
4225 pulp & waste paper	1,765	15	1,750	—	—	—	—	—
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>3,603</b>	<b>846</b>	<b>5</b>	<b>2,752</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
4310 building stone	81	78	3	—	—	—	—	—
4322 limestone	23	23	0	—	—	—	—	—
4323 gypsum	733	732	1	—	—	—	—	—
4331 sand & gravel	2,767	13	2	2,752	—	—	—	—
<b>Subtotal iron ore and scrap</b>	<b>1,377</b>	<b>0</b>	<b>1,375</b>	<b>—</b>	<b>—</b>	<b>2</b>	<b>2</b>	<b>—</b>
4410 iron ore	1	0	1	—	—	—	—	—
4420 iron & steel scrap	1,376	0	1,374	—	—	2	2	—
<b>Subtotal marine shells</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
4515 marine shells	1	1	0	—	—	—	—	—
<b>Subtotal non-ferrous ores and scrap</b>	<b>154</b>	<b>44</b>	<b>110</b>	<b>—</b>	<b>—</b>	<b>0</b>	<b>0</b>	<b>—</b>
4630 copper ore	0	—	0	—	—	—	—	—
4650 aluminum ore	43	43	0	—	—	—	—	—
4670 manganese ore	0	0	—	—	—	—	—	—
4680 non-ferrous scrap	110	0	110	—	—	0	0	—
4690 non-ferrous ores nec	1	1	0	—	—	—	—	—
<b>Subtotal sulphur, clay and salt</b>	<b>473</b>	<b>186</b>	<b>287</b>	<b>—</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>0</b>
4741 sulphur, (dry)	281	1	280	—	—	—	—	—
4782 clay & refrac. mat.	18	12	6	—	—	—	—	—
4783 salt	174	173	1	—	—	0	—	0
<b>Subtotal slag</b>	<b>56</b>	<b>56</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
4860 slag	56	56	—	—	—	—	—	—
<b>Subtotal other non-metal. min.</b>	<b>115</b>	<b>14</b>	<b>101</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>
4900 non-metal. min. nec	115	14	101	—	0	—	—	—
<b>Total primary manufactured goods</b>	<b>3,374</b>	<b>3,037</b>	<b>321</b>	<b>3</b>	<b>0</b>	<b>14</b>	<b>2</b>	<b>12</b>
<b>Subtotal paper products</b>	<b>298</b>	<b>224</b>	<b>70</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>1</b>
5110 newsprint	1	0	1	0	—	—	—	—
5120 paper & paperboard	177	135	39	2	0	—	—	—
5190 paper products nec	120	88	30	0	0	2	0	1
<b>Subtotal lime, cement and glass</b>	<b>1,360</b>	<b>1,338</b>	<b>22</b>	<b>0</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>0</b>
5210 lime	0	0	0	—	—	—	—	—
5220 cement & concrete	817	817	0	—	—	—	—	—
5240 glass & glass prod.	364	348	16	—	—	—	—	—
5290 misc. mineral prod.	179	173	6	0	—	0	—	0
<b>Subtotal primary iron and steel products</b>	<b>750</b>	<b>682</b>	<b>66</b>	<b>0</b>	<b>—</b>	<b>2</b>	<b>—</b>	<b>2</b>
5312 pig iron	6	1	5	—	—	—	—	—
5315 ferro alloys	1	1	—	—	—	—	—	—
5320 i&s primary forms	61	18	44	—	—	—	—	—
5330 i&s plates & sheets	305	297	8	—	—	—	—	—
5360 i&s bars & shapes	177	173	4	—	—	—	—	—
5370 i&s pipe & tube	68	62	4	0	—	2	—	2
5390 primary i&s nec	131	130	1	0	—	—	—	—
<b>Subtotal primary non-ferrous metal products</b>	<b>870</b>	<b>701</b>	<b>159</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>1</b>	<b>8</b>
5421 copper	9	7	2	—	—	—	—	—
5422 aluminum	53	48	5	0	—	—	—	—

SAN FRANCISCO BAY ENTRANCE, CA  
Freight Traffic, 2016 - continued  
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic		
		Through		Through		Total	Coastwise	
		Upbound	Downbnd	Upbound	Downbnd		Through	
						Upbound	Downbnd	
5429 smelted prod. nec	124	9	115	—	0	—	—	—
5480 fab. metal products	685	637	38	0	0	10	1	8
<b>Subtotal primary wood products</b>	<b>97</b>	<b>93</b>	<b>4</b>	<b>0</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>0</b>
5540 primary wood prod.	97	93	4	0	—	0	—	0
<b>Total food and farm products</b>	<b>9,525</b>	<b>3,621</b>	<b>5,235</b>	<b>4</b>	<b>11</b>	<b>653</b>	<b>164</b>	<b>490</b>
<b>Subtotal fish</b>	<b>71</b>	<b>47</b>	<b>23</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>—</b>
6134 fish (not shellfish)	36	26	9	0	—	0	0	—
6136 shellfish	35	21	14	—	0	—	—	—
<b>Subtotal grain</b>	<b>1,212</b>	<b>357</b>	<b>820</b>	<b>—</b>	<b>0</b>	<b>35</b>	<b>0</b>	<b>35</b>
6241 wheat	28	2	26	—	—	—	—	—
6344 corn	250	237	13	—	—	—	—	—
6442 rice	933	118	780	—	0	35	0	35
6443 barley & rye	0	0	0	—	—	—	—	—
6445 oats	0	—	0	—	—	—	—	—
6447 sorghum grains	0	0	0	—	—	—	—	—
<b>Subtotal oilseeds</b>	<b>266</b>	<b>222</b>	<b>44</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
6521 peanuts	5	1	4	—	—	—	—	—
6522 soybeans	155	122	33	—	—	—	—	—
6534 flaxseed	1	0	0	—	—	—	—	—
6590 oilseeds nec	106	99	7	—	—	—	—	—
<b>Subtotal vegetable products</b>	<b>1,113</b>	<b>582</b>	<b>509</b>	<b>0</b>	<b>0</b>	<b>22</b>	<b>3</b>	<b>19</b>
6653 vegetable oils	423	413	10	0	—	—	—	—
6654 vegetables & prod.	691	170	499	0	0	22	3	19
<b>Subtotal processed grain and animal feed</b>	<b>864</b>	<b>145</b>	<b>704</b>	<b>2</b>	<b>0</b>	<b>12</b>	<b>1</b>	<b>12</b>
6746 wheat flour	12	7	4	0	—	—	—	—
6747 grain mill products	88	41	47	0	—	1	—	1
6781 hay & fodder	377	1	371	—	—	5	0	5
6782 animal feed, prep.	387	97	282	1	0	6	1	6
<b>Subtotal other agricultural products</b>	<b>5,999</b>	<b>2,267</b>	<b>3,135</b>	<b>2</b>	<b>11</b>	<b>584</b>	<b>160</b>	<b>424</b>
6811 meat, fresh, frozen	776	106	639	0	1	30	—	30
6817 meat, prepared	31	2	29	0	—	—	—	—
6822 dairy products	227	23	155	0	0	48	0	48
6835 fish, prepared	14	12	2	0	—	0	0	—
6838 tallow, animal oils	1	1	0	0	—	—	—	—
6839 animals & prod. nec	106	3	96	—	0	7	6	1
6856 bananas & plantains	4	4	0	—	—	—	—	—
6857 fruit & nuts nec	1,384	114	1,267	0	1	3	3	—
6858 fruit juices	202	167	35	0	0	—	—	—
6861 sugar	601	486	1	—	—	115	115	—
6865 molasses	201	172	—	—	—	28	28	—
6871 coffee	180	176	4	0	—	1	0	0
6872 cocoa beans	29	28	0	—	—	—	—	—
6885 alcoholic beverages	954	549	373	1	8	23	0	22
6887 groceries	0	—	—	—	—	0	—	0
6888 water & ice	171	76	95	0	—	—	—	—
6889 food products nec	965	295	364	0	—	306	6	301
6891 tobacco & products	1	0	0	—	—	1	—	1
6893 cotton	50	9	41	—	—	—	—	—
6894 natural fibers nec	25	24	1	—	—	—	—	—
6899 farm products nec	76	22	32	—	—	22	1	21
<b>Total all manufactured equipment, machinery and products</b>	<b>4,294</b>	<b>3,196</b>	<b>737</b>	<b>3</b>	<b>1</b>	<b>357</b>	<b>97</b>	<b>260</b>
7110 machinery (not elec)	317	225	68	0	0	24	1	23
7120 electrical machinery	433	385	46	0	0	2	0	2
7210 vehicles & parts	713	619	54	0	—	40	13	27
7220 aircraft & parts	43	1	43	—	—	—	—	—
7230 ships & boats	8	6	2	0	—	0	0	0
7300 ordnance & access.	3	3	0	—	—	—	—	—
7400 manufac. wood prod.	204	80	48	1	—	74	35	39
7500 textile products	363	285	78	0	0	0	—	0
7600 rubber & plastic pr.	385	279	105	0	0	0	0	0
7900 manufac. prod. nec	1,826	1,314	293	1	1	217	48	169
<b>Total waste and scrap nec</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>0</b>	<b>0</b>	<b>—</b>
8900 waste and scrap nec	0	—	—	—	—	0	0	—
<b>Total unknown or not elsewhere classified</b>	<b>870</b>	<b>344</b>	<b>491</b>	<b>0</b>	<b>26</b>	<b>9</b>	<b>0</b>	<b>8</b>
9900 unknown or nec	870	344	491	0	26	9	0	8
<b>Ton-miles (x1000)</b>	<b>429,979</b>	<b>213,466</b>	<b>111,734</b>	<b>20,010</b>	<b>1,415</b>	<b>83,355</b>	<b>54,378</b>	<b>28,978</b>

Tons All Traffic (x1000) 71,663  
Ton-miles All Traffic (x1000) 429,979

SAN FRANCISCO HARBOR, CA

Section Included: From Fort Point to San Francisco Airport on the west side of the San Francisco Bay. Controlling Depth: Main ship channel, 55.0 feet; Presidio Shoal, 34.1 feet; Black Point Shoal, 35.5 feet; Rincon Reef Rock (inner), 41 feet; Rincon Reef (outer), 42.5 feet; Blossom Rock, 40 feet; Alcatraz Shoal, 34.5 feet; Arch Rock, 36.2 feet; Harding Rocks, 36.7 feet; Shag Rocks 1 and 2, 36.9 feet; Point Knox Shoal, 38.2 feet, Islais Creek Shoal, 38.2 feet; channel and basin at San Francisco Airport, 6.8 feet in the maintained 200-foot wide southerly portion; 8 feet in the maintained portion of turning basin, 8.6 feet to seaplane ramp. Project Depth: 55 feet in entrance channel across the bar; 40 feet across Presidio Shoal, Black Point Shoal, Blossom Rock, Rincon Reef Rock, and a portion of Alcatraz Shoal; 37 feet across Arch, Shag, and Harding Rocks; 35 feet across Racoon Shoal, and the western part of Point Knox Shoal; 35 feet across Islais Creek Shoal; 10 feet to the San Francisco Airport.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
2007	1,913	2010	906	2013	1,941	<b>2016</b>	<b>1,585</b>
2008	1,386	2011	1,376	2014	1,892		
2009	888	2012	845	2015	1,800		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic	
		Outbound	Inbound	Inbound	Internal		
					Receipts	Shipments	
<b>Total, all commodities</b>	<b>1,585</b>	<b>1</b>	<b>1,101</b>	<b>484</b>	<b>472</b>	<b>12</b>	
<b>Total petroleum and petroleum products</b>	<b>5</b>	<b>---</b>	<b>---</b>	<b>5</b>	<b>5</b>	<b>---</b>	
<b>Subtotal petroleum products</b>	<b>5</b>	<b>---</b>	<b>---</b>	<b>5</b>	<b>5</b>	<b>---</b>	
2340 residual fuel oil	5	---	---	5	5	---	
<b>Total crude materials, inedible except fuels</b>	<b>1,579</b>	<b>---</b>	<b>1,101</b>	<b>479</b>	<b>467</b>	<b>12</b>	
<b>Subtotal forest products, wood and chips</b>	<b>0</b>	<b>---</b>	<b>---</b>	<b>0</b>	<b>0</b>	<b>---</b>	
4170 wood in the rough	0	---	---	0	0	---	
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>1,579</b>	<b>---</b>	<b>1,101</b>	<b>478</b>	<b>467</b>	<b>12</b>	
4331 sand & gravel	1,579	---	1,101	478	467	12	
<b>Total all manufactured equipment, machinery and products</b>	<b>0</b>	<b>---</b>	<b>0</b>	<b>---</b>	<b>---</b>	<b>---</b>	
7110 machinery (not elec)	0	---	0	---	---	---	
7230 ships & boats	0	---	0	---	---	---	
<b>Total unknown or not elsewhere classified</b>	<b>1</b>	<b>1</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	
9900 unknown or nec	1	1	---	---	---	---	

REDWOOD CITY HARBOR, CA

Section Included: San Bruno Shoal channel 500 feet wide and about 4 miles long across; Redwood City Harbor channel, a channel from deep water in San Francisco Bay to Steinberger Slough. Controlling Depth: 30.8 feet in San Bruno Shoal channel; 29.8 feet in San Francisco Bay to Beacon No.8; 29.7 feet to Beacon No.15 and beginning of (outer) Turning Basin No.1; 29.5 feet in Turning Basin No.1; 29.5 feet in Turning Basin No.1; 28.5 feet to (upper) Turning Basin No.2; 29.1 in turning basin. Project Depth: 30 feet in San Bruno Shoal Channel; 30 feet to the head of the turning basin in Redwood Creek; 5 feet to Steinberger Slough, and 4 feet in Steinberger Slough.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
2007	1,118	2010	1,045	2013	1,240	<b>2016</b>	<b>1,905</b>
2008	1,675	2011	896	2014	2,271		
2009	907	2012	917	2015	2,052		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic	
		Inbound	Outbound		Internal	
				Receipts	Shipments	
<b>Total, all commodities</b>	<b>1,905</b>	<b>142</b>	<b>373</b>	<b>1,294</b>	<b>96</b>	
<b>Total petroleum and petroleum products</b>	<b>1</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>1</b>	
<b>Subtotal petroleum products</b>	<b>1</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>1</b>	
2340 residual fuel oil	1	---	---	---	1	
<b>Total crude materials, inedible except fuels</b>	<b>1,882</b>	<b>120</b>	<b>373</b>	<b>1,294</b>	<b>94</b>	
<b>Subtotal forest products, wood and chips</b>	<b>82</b>	<b>---</b>	<b>82</b>	<b>---</b>	<b>---</b>	
4161 wood chips	82	---	82	---	---	
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>1,468</b>	<b>79</b>	<b>---</b>	<b>1,294</b>	<b>94</b>	
4323 gypsum	79	79	---	---	---	
4331 sand & gravel	1,389	---	---	1,294	94	
<b>Subtotal iron ore and scrap</b>	<b>291</b>	<b>---</b>	<b>291</b>	<b>---</b>	<b>---</b>	
4420 iron & steel scrap	291	---	291	---	---	
<b>Subtotal non-ferrous ores and scrap</b>	<b>41</b>	<b>41</b>	<b>---</b>	<b>---</b>	<b>---</b>	
4650 aluminum ore	41	41	---	---	---	
<b>Total unknown or not elsewhere classified</b>	<b>22</b>	<b>22</b>	<b>---</b>	<b>---</b>	<b>---</b>	
9900 unknown or nec	22	22	---	---	---	



OAKLAND HARBOR, CA

Section Included: Outer and inner harbor from deep water in San Francisco Bay to San Leandro Bay, a distance of 8.5 miles. Maintained Depth: 50.0 feet deep in the entrance channel to Oakland Outer Harbor, thence a channel and turning basin 50.0 feet deep in the Outer Harbor to Oakland Army Base; 50.0 feet deep in the entrance channel to Oakland Inner Harbor, 50.0 feet deep to Howard Terminal, thence 35.0 feet deep to Government Island, thence 18.0 feet deep to San Leandro Bay. The mean range of tide is 6.4 feet at Oakland Inner Harbor.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
2007	16,912	2010	18,610	2013	19,333	<b>2016</b>	<b>19,052</b>
2008	17,810	2011	18,495	2014	18,913		
2009	17,406	2012	18,728	2015	17,566		

Freight Traffic, 2016 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Inbound	Outbound	Inbound	Outbound
<b>Total, all commodities</b>	<b>17,088</b>	<b>7,181</b>	<b>9,872</b>	<b>19</b>	<b>15</b>
<b>Total coal</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>—</b>	<b>—</b>
1100 coal & lignite	2	2	0	—	—
<b>Total petroleum and petroleum products</b>	<b>68</b>	<b>11</b>	<b>57</b>	<b>0</b>	<b>—</b>
<b>Subtotal petroleum products</b>	<b>68</b>	<b>11</b>	<b>57</b>	<b>0</b>	<b>—</b>
2211 gasoline	0	0	—	—	—
2221 kerosene	0	—	0	—	—
2330 distillate fuel oil	38	0	38	—	—
2340 residual fuel oil	0	0	—	—	—
2350 lube oil & greases	6	0	5	—	—
2410 petro. jelly & waxes	6	6	0	—	—
2429 naphtha & solvents	14	3	11	0	—
2430 asphalt, tar & pitch	0	—	0	—	—
2540 petroleum coke	2	0	2	—	—
2640 hydrocarbon & petrol gases, liquefied and aaseous	1	1	0	—	—
<b>Total chemicals and related products</b>	<b>721</b>	<b>387</b>	<b>332</b>	<b>2</b>	<b>0</b>
<b>Subtotal fertilizers</b>	<b>37</b>	<b>27</b>	<b>10</b>	<b>0</b>	<b>0</b>
3110 nitrogenous fert.	9	9	0	0	—
3120 phosphatic fert.	0	0	0	—	—
3130 potassic fert.	1	1	0	—	—
3190 fert. & mixes nec	27	17	9	0	0
<b>Subtotal other chemicals and related products</b>	<b>684</b>	<b>360</b>	<b>323</b>	<b>1</b>	<b>0</b>
3211 acyclic hydrocarbons	1	0	1	—	—
3212 benzene & toluene	0	—	0	—	—
3219 other hydrocarbons	2	1	1	—	—
3220 alcohols	11	6	4	0	—
3230 carboxylic acids	38	33	4	—	—
3240 nitrogen func. comp.	13	9	4	—	—
3250 organo - inorg. comp.	6	5	1	—	—
3260 organic comp. nec	6	3	3	—	—
3272 sulphuric acid	1	0	1	—	—
3273 ammonia	0	0	0	—	—
3274 sodium hydroxide	2	2	1	—	—
3275 inorg. elem., oxides, & halogen salts	49	32	17	—	—
3276 metallic salts	83	69	13	1	—
3279 inorganic chem. nec	2	1	1	—	—
3281 radioactive material	5	0	5	—	0
3282 pigments & paints	20	6	14	0	0
3283 coloring mat. nec	4	2	2	—	—
3284 medicines	18	5	13	0	—
3285 perfumes & cleansers	42	20	23	0	—
3286 plastics	287	119	168	0	0
3291 pesticides	7	5	2	—	—
3292 starches, gluten, glue	32	16	15	0	0
3293 explosives	5	5	0	—	—
3297 chemical additives	6	2	4	—	—
3298 wood & resin chem.	0	0	0	—	—
3299 chem. products nec	45	19	26	0	—
<b>Total crude materials, inedible except fuels</b>	<b>3,574</b>	<b>300</b>	<b>3,266</b>	<b>8</b>	<b>0</b>
<b>Subtotal forest products, wood and chips</b>	<b>583</b>	<b>165</b>	<b>410</b>	<b>8</b>	<b>—</b>
4110 rubber & gums	3	2	1	—	—
4150 fuel wood	8	5	3	0	—
4161 wood chips	5	1	4	—	—
4170 wood in the rough	213	16	197	0	—
4189 lumber	331	122	201	8	—
4190 forest products nec	23	20	3	0	—
<b>Subtotal pulp and waste paper</b>	<b>1,765</b>	<b>15</b>	<b>1,750</b>	<b>—</b>	<b>—</b>
4225 pulp & waste paper	1,765	15	1,750	—	—
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>99</b>	<b>94</b>	<b>5</b>	<b>—</b>	<b>—</b>
4310 building stone	81	78	3	—	—
4322 limestone	3	3	0	—	—
4323 gypsum	1	0	1	—	—
4331 sand & gravel	15	13	2	—	—
<b>Subtotal iron ore and scrap</b>	<b>883</b>	<b>0</b>	<b>883</b>	<b>—</b>	<b>—</b>
4410 iron ore	1	0	1	—	—
4420 iron & steel scrap	882	0	882	—	—
<b>Subtotal marine shells</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>—</b>	<b>—</b>
4515 marine shells	1	1	0	—	—
<b>Subtotal non-ferrous ores and scrap</b>	<b>113</b>	<b>3</b>	<b>110</b>	<b>—</b>	<b>—</b>
4630 copper ore	0	—	0	—	—
4650 aluminum ore	2	2	0	—	—
4670 manganese ore	0	0	—	—	—
4680 non-ferrous scrap	110	0	110	—	—
4690 non-ferrous ores nec	1	1	0	—	—

OAKLAND HARBOR, CA  
Freight Traffic, 2016 - continued  
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Inbound	Outbound	Inbound	Outbound
<b>Subtotal sulphur, clay and salt</b>	<b>14</b>	<b>8</b>	<b>7</b>	---	---
4741 sulphur, (dry)	1	1	0	---	---
4782 clay & refrac. mat.	10	4	6	---	---
4783 salt	4	3	1	---	---
<b>Subtotal other non-metal. min.</b>	<b>115</b>	<b>14</b>	<b>101</b>	---	<b>0</b>
4900 non-metal. min. nec	115	14	101	---	0
<b>Total primary manufactured goods</b>	<b>1,729</b>	<b>1,406</b>	<b>320</b>	<b>3</b>	<b>0</b>
<b>Subtotal paper products</b>	<b>296</b>	<b>224</b>	<b>70</b>	<b>2</b>	<b>0</b>
5110 newsprint	1	0	1	0	---
5120 paper & paperboard	177	135	39	2	0
5190 paper products nec	118	88	30	0	0
<b>Subtotal lime, cement and glass</b>	<b>569</b>	<b>547</b>	<b>22</b>	<b>0</b>	---
5210 lime	0	0	0	---	---
5220 cement & concrete	27	26	0	---	---
5240 glass & glass prod.	364	348	16	---	---
5290 misc. mineral prod.	179	173	6	0	---
<b>Subtotal primary iron and steel products</b>	<b>187</b>	<b>122</b>	<b>65</b>	<b>0</b>	---
5312 pig iron	6	1	5	---	---
5315 ferro alloys	1	1	---	---	---
5320 i&s primary forms	54	11	44	---	---
5330 i&s plates & sheets	29	21	8	---	---
5360 i&s bars & shapes	23	19	4	---	---
5370 i&s pipe & tube	54	51	3	0	---
5390 primary i&s nec	19	18	1	0	---
<b>Subtotal primary non-ferrous metal products</b>	<b>580</b>	<b>421</b>	<b>159</b>	<b>0</b>	<b>0</b>
5421 copper	9	7	2	---	---
5422 aluminum	53	48	5	0	---
5429 smelted prod. nec	118	4	115	---	0
5480 fab. metal products	400	362	38	0	0
<b>Subtotal primary wood products</b>	<b>97</b>	<b>93</b>	<b>4</b>	<b>0</b>	---
5540 primary wood prod.	97	93	4	0	---
<b>Total food and farm products</b>	<b>6,849</b>	<b>2,147</b>	<b>4,687</b>	<b>4</b>	<b>11</b>
<b>Subtotal fish</b>	<b>71</b>	<b>47</b>	<b>23</b>	<b>0</b>	<b>0</b>
6134 fish (not shellfish)	36	26	9	0	---
6136 shellfish	35	21	14	---	0
<b>Subtotal grain</b>	<b>511</b>	<b>119</b>	<b>392</b>	---	<b>0</b>
6241 wheat	28	2	26	---	---
6344 corn	37	24	13	---	---
6442 rice	446	94	352	---	0
6443 barley & rye	0	0	0	---	---
6445 oats	0	---	0	---	---
6447 sorghum grains	0	0	0	---	---
<b>Subtotal oilseeds</b>	<b>123</b>	<b>80</b>	<b>44</b>	---	---
6521 peanuts	5	1	4	---	---
6522 soybeans	60	27	33	---	---
6534 flaxseed	1	0	0	---	---
6590 oilseeds nec	58	51	7	---	---
<b>Subtotal vegetable products</b>	<b>747</b>	<b>238</b>	<b>508</b>	<b>0</b>	<b>0</b>
6653 vegetable oils	78	68	10	0	---
6654 vegetables & prod.	669	170	499	0	0
<b>Subtotal processed grain and animal feed</b>	<b>694</b>	<b>107</b>	<b>585</b>	<b>2</b>	<b>0</b>
6746 wheat flour	12	7	4	0	---
6747 grain mill products	88	41	47	0	---
6781 hay & fodder	372	1	371	---	---
6782 animal feed, prep.	223	59	163	1	0
<b>Subtotal other agricultural products</b>	<b>4,704</b>	<b>1,557</b>	<b>3,135</b>	<b>2</b>	<b>11</b>
6811 meat, fresh, frozen	746	106	639	0	1
6817 meat, prepared	31	2	29	0	---
6822 dairy products	178	23	155	0	0
6835 fish, prepared	14	12	2	0	---
6838 tallow, animal oils	1	1	0	0	---
6839 animals & prod. nec	98	3	96	---	0
6856 bananas & plantains	4	4	0	---	---
6857 fruit & nuts nec	1,381	114	1,267	0	1
6858 fruit juices	202	167	35	0	0
6861 sugar	26	26	1	---	---
6865 molasses	2	2	---	---	---
6871 coffee	179	176	4	0	---
6872 cocoa beans	29	28	0	---	---
6885 alcoholic beverages	932	549	373	1	8
6888 water & ice	171	76	95	0	---
6889 food products nec	578	214	364	0	---
6891 tobacco & products	0	0	0	---	---
6893 cotton	50	9	41	---	---
6894 natural fibers nec	25	24	1	---	---
6899 farm products nec	54	22	32	---	---
<b>Total all manufactured equipment, machinery and products</b>	<b>3,399</b>	<b>2,670</b>	<b>724</b>	<b>3</b>	<b>1</b>
7110 machinery (not elec)	292	224	68	0	0
7120 electrical machinery	431	385	46	0	0
7210 vehicles & parts	178	124	54	0	---
7220 aircraft & parts	43	1	43	---	---
7230 ships & boats	8	6	2	0	---
7300 ordnance & access.	3	3	0	---	---
7400 manufac. wood prod.	129	80	48	1	---
7500 textile products	345	267	78	0	0
7600 rubber & plastic pr.	374	279	95	0	0
7900 manufac. prod. nec	1,593	1,301	290	1	1

OAKLAND HARBOR, CA  
 Freight Traffic, 2016 - continued  
 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Inbound	Outbound	Inbound	Outbound
<b>Total unknown or not elsewhere classified</b>	<b>747</b>	<b>259</b>	<b>486</b>	<b>0</b>	<b>2</b>
9900 unknown or nec	747	259	486	0	2

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
<b>Total. all commodities</b>	<b>1,964</b>	<b>123</b>	<b>790</b>	<b>1,043</b>	<b>2</b>	<b>6</b>
<b>Total petroleum and petroleum products</b>	<b>635</b>	<b>—</b>	<b>2</b>	<b>632</b>	<b>1</b>	<b>—</b>
<b>Subtotal petroleum products</b>	<b>635</b>	<b>—</b>	<b>2</b>	<b>632</b>	<b>1</b>	<b>—</b>
2340 residual fuel oil	633	—	—	632	1	—
2350 lube oil & greases	1	—	1	—	—	—
2990 petro. products nec	1	—	1	—	—	—
<b>Total chemicals and related products</b>	<b>13</b>	<b>1</b>	<b>12</b>	<b>—</b>	<b>—</b>	<b>—</b>
<b>Subtotal fertilizers</b>	<b>9</b>	<b>1</b>	<b>9</b>	<b>—</b>	<b>—</b>	<b>—</b>
3190 fert. & mixes nec	9	1	9	—	—	—
<b>Subtotal other chemicals and related products</b>	<b>4</b>	<b>0</b>	<b>4</b>	<b>—</b>	<b>—</b>	<b>—</b>
3282 pigments & paints	1	—	1	—	—	—
3285 perfumes & cleansers	0	—	0	—	—	—
3291 pesticides	0	—	0	—	—	—
3299 chem. products nec	3	0	3	—	—	—
<b>Total crude materials, inedible except fuels</b>	<b>426</b>	<b>2</b>	<b>6</b>	<b>411</b>	<b>0</b>	<b>6</b>
<b>Subtotal forest products, wood and chips</b>	<b>6</b>	<b>1</b>	<b>5</b>	<b>—</b>	<b>0</b>	<b>—</b>
4170 wood in the rough	0	—	—	—	0	—
4189 lumber	1	0	1	—	—	—
4190 forest products nec	5	0	5	—	—	—
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>418</b>	<b>—</b>	<b>—</b>	<b>411</b>	<b>—</b>	<b>6</b>
4331 sand & gravel	418	—	—	411	—	6
<b>Subtotal iron ore and scrap</b>	<b>2</b>	<b>2</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
4420 iron & steel scrap	2	2	—	—	—	—
<b>Subtotal non-ferrous ores and scrap</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
4680 non-ferrous scrap	0	0	—	—	—	—
<b>Subtotal sulphur, clay and salt</b>	<b>0</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>
4783 salt	0	—	0	—	—	—
<b>Total primary manufactured goods</b>	<b>14</b>	<b>2</b>	<b>12</b>	<b>—</b>	<b>—</b>	<b>—</b>
<b>Subtotal paper products</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>—</b>	<b>—</b>	<b>—</b>
5190 paper products nec	2	0	1	—	—	—
<b>Subtotal lime, cement and glass</b>	<b>0</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>
5290 misc. mineral prod.	0	—	0	—	—	—
<b>Subtotal primary iron and steel products</b>	<b>2</b>	<b>—</b>	<b>2</b>	<b>—</b>	<b>—</b>	<b>—</b>
5370 i&s pipe & tube	2	—	2	—	—	—
<b>Subtotal primary non-ferrous metal products</b>	<b>10</b>	<b>1</b>	<b>8</b>	<b>—</b>	<b>—</b>	<b>—</b>
5480 fab. metal products	10	1	8	—	—	—
<b>Subtotal primary wood products</b>	<b>0</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>
5540 primary wood prod.	0	—	0	—	—	—
<b>Total food and farm products</b>	<b>510</b>	<b>20</b>	<b>490</b>	<b>—</b>	<b>—</b>	<b>—</b>
<b>Subtotal fish</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
6134 fish (not shellfish)	0	0	—	—	—	—
<b>Subtotal grain</b>	<b>35</b>	<b>0</b>	<b>35</b>	<b>—</b>	<b>—</b>	<b>—</b>
6442 rice	35	0	35	—	—	—
<b>Subtotal vegetable products</b>	<b>22</b>	<b>3</b>	<b>19</b>	<b>—</b>	<b>—</b>	<b>—</b>
6654 vegetables & prod.	22	3	19	—	—	—
<b>Subtotal processed grain and animal feed</b>	<b>12</b>	<b>1</b>	<b>12</b>	<b>—</b>	<b>—</b>	<b>—</b>
6747 grain mill products	1	—	1	—	—	—
6781 hay & fodder	5	0	5	—	—	—
6782 animal feed, prep.	6	1	6	—	—	—
<b>Subtotal other agricultural products</b>	<b>441</b>	<b>16</b>	<b>424</b>	<b>—</b>	<b>—</b>	<b>—</b>
6811 meat, fresh, frozen	30	—	30	—	—	—
6822 dairy products	48	0	48	—	—	—
6835 fish, prepared	0	0	—	—	—	—
6839 animals & prod. nec	7	6	1	—	—	—
6857 fruit & nuts nec	3	3	—	—	—	—
6871 coffee	1	0	0	—	—	—
6885 alcoholic beverages	23	0	22	—	—	—
6887 groceries	0	—	0	—	—	—
6889 food products nec	306	6	301	—	—	—
6891 tobacco & products	1	—	1	—	—	—
6899 farm products nec	22	1	21	—	—	—
<b>Total all manufactured equipment, machinery and products</b>	<b>356</b>	<b>97</b>	<b>259</b>	<b>—</b>	<b>—</b>	<b>—</b>
7110 machinery (not elec)	23	1	22	—	—	—
7120 electrical machinery	2	0	2	—	—	—
7210 vehicles & parts	40	13	27	—	—	—
7230 ships & boats	0	0	0	—	—	—
7400 manufac. wood prod.	74	35	39	—	—	—
7500 textile products	0	—	0	—	—	—
7600 rubber & plastic pr.	0	0	0	—	—	—
7900 manufac. prod. nec	217	48	169	—	—	—
<b>Total waste and scrap nec</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
8900 waste and scrap nec	0	0	—	—	—	—
<b>Total unknown or not elsewhere classified</b>	<b>9</b>	<b>0</b>	<b>8</b>	<b>—</b>	<b>—</b>	<b>—</b>
9900 unknown or nec	9	0	8	—	—	—

RICHMOND HARBOR, CA

Section Included: Inner harbor, from southern end of Richmond Long Wharf maneuvering area to the head of Santa Fe Channel, a distance of about 5 miles; outer harbor, from southern end of maneuvering area at Richmond Long Wharf to Point San Pablo and the north side of Point San Pablo; includes a connecting channel (Southampton Channel) to the Richmond Long Wharf maneuvering area and approach areas at Point San Pablo and Point Orient. Controlling Depth: 45.7 feet in Southampton Channel (connecting channel from San Francisco Bay to Richmond Long Wharf maneuvering area); 44.7 feet in maneuvering area to Richmond Long Wharf; 34.8 feet from Richmond Long Wharf maneuvering area to turning basin Point Richmond; 34.8 feet in Point Richmond turning basin; 34.5 feet to Point Potrero; 34.0 feet in turning basin at Point Potrero; Point Potrero (southerly apex only) 28.7 feet; 34.7 feet to Lauritzen Canal then 30.4 feet in Santa Fe Channel to upper turning basin; 30.4 feet in upper turning basin; 27 feet in approach to Point Orient; 26 feet in approach to Point San Pablo; 30.6 feet at Molate Point; and 33.4 feet in West Richmond Channel. Project Depth: 45 feet in connecting channel (Southampton Channel) from San Francisco Bay to Richmond Long Wharf maneuvering area; 45 feet in maneuvering area to Richmond Long Wharf; 35 feet to turning basin at Point Richmond; 35 feet to Point Potrero; 35 feet to Santa Fe Channel; 35 feet in Santa Fe Channel for approximately 2,000 feet then 30 feet in the remainder of Santa Fe Channel and turning basin; 20 feet in channel east of Point San Pablo Channel; 32 feet in approach to Point Orient; 32 feet in approach to Point San Pablo.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
2007	24,992	2010	24,178	2013	23,544	<b>2016</b>	<b>24,679</b>
2008	26,357	2011	24,256	2014	26,039		
2009	25,363	2012	22,556	2015	28,529		

Freight Traffic, 2016 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Inbound	Outbound	Inbound	Outbound
<b>Total, all commodities</b>	<b>15,643</b>	<b>11,596</b>	<b>3,414</b>	<b>435</b>	<b>199</b>
<b>Total coal</b>	<b>463</b>	—	<b>463</b>	—	—
1100 coal & lignite	463	—	463	—	—
<b>Total petroleum and petroleum products</b>	<b>13,655</b>	<b>10,652</b>	<b>2,738</b>	<b>71</b>	<b>194</b>
<b>Subtotal crude petroleum</b>	<b>8,477</b>	<b>8,440</b>	—	<b>37</b>	—
2100 crude petroleum	8,477	8,440	—	37	—
<b>Subtotal petroleum products</b>	<b>5,178</b>	<b>2,212</b>	<b>2,738</b>	<b>34</b>	<b>194</b>
2211 gasoline	1,309	141	1,075	—	93
2221 kerosene	447	401	36	—	10
2330 distillate fuel oil	2,215	1,031	1,063	31	90
2340 residual fuel oil	531	432	99	—	—
2350 lube oil & greases	157	11	146	—	—
2410 petro. jelly & waxes	50	50	—	—	—
2429 naphtha & solvents	160	146	11	3	—
2540 petroleum coke	310	—	310	—	—
<b>Total chemicals and related products</b>	<b>294</b>	<b>242</b>	<b>43</b>	<b>6</b>	<b>2</b>
<b>Subtotal other chemicals and related products</b>	<b>294</b>	<b>242</b>	<b>43</b>	<b>6</b>	<b>2</b>
3211 acyclic hydrocarbons	21	—	21	—	—
3212 benzene & toluene	13	13	—	—	—
3220 alcohols	2	2	—	—	—
3230 carboxylic acids	108	108	—	—	—
3260 organic comp. nec	6	—	—	6	—
3274 sodium hydroxide	84	84	—	—	—
3275 inorg. elem., oxides, & halogen salts	22	—	22	—	—
3297 chemical additives	37	35	—	—	2
<b>Total crude materials, inedible except fuels</b>	<b>719</b>	<b>196</b>	<b>166</b>	<b>357</b>	—
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>554</b>	<b>196</b>	—	<b>357</b>	—
4322 limestone	20	20	—	—	—
4323 gypsum	176	176	—	—	—
4331 sand & gravel	357	—	—	357	—
<b>Subtotal iron ore and scrap</b>	<b>166</b>	—	<b>166</b>	—	—
4420 iron & steel scrap	166	—	166	—	—
<b>Total food and farm products</b>	<b>260</b>	<b>259</b>	<b>1</b>	—	—
<b>Subtotal vegetable products</b>	<b>230</b>	<b>230</b>	<b>1</b>	—	—
6653 vegetable oils	230	230	1	—	—
<b>Subtotal other agricultural products</b>	<b>30</b>	<b>30</b>	—	—	—
6865 molasses	10	10	—	—	—
6889 food products nec	20	20	—	—	—
<b>Total all manufactured equipment, machinery and products</b>	<b>241</b>	<b>241</b>	<b>0</b>	—	—
7210 vehicles & parts	222	222	—	—	—
7230 ships & boats	0	0	—	—	—
7500 textile products	18	18	—	—	—
7600 rubber & plastic pr.	0	0	—	—	—
7900 manufac. prod. nec	0	0	0	—	—
<b>Total unknown or not elsewhere classified</b>	<b>12</b>	<b>6</b>	<b>4</b>	—	<b>3</b>
9900 unknown or nec	12	6	4	—	3

Commodity	Total	Domestic				
		Coastwise		Internal		Intraport
		Receipts	Shipments	Receipts	Shipments	
<b>Total, all commodities</b>	<b>9,036</b>	<b>5,097</b>	<b>1,849</b>	<b>229</b>	<b>1,340</b>	<b>521</b>
<b>Total petroleum and petroleum products</b>	<b>9,021</b>	<b>5,097</b>	<b>1,849</b>	<b>223</b>	<b>1,333</b>	<b>521</b>
<b>Subtotal crude petroleum</b>	<b>1,859</b>	<b>1,859</b>	—	—	—	—
2100 crude petroleum	1,859	1,859	—	—	—	—
<b>Subtotal petroleum products</b>	<b>7,162</b>	<b>3,237</b>	<b>1,849</b>	<b>223</b>	<b>1,333</b>	<b>521</b>
2211 gasoline	1,716	1,064	593	30	29	—
2221 kerosene	399	298	77	12	12	—
2330 distillate fuel oil	1,707	928	307	144	316	13
2340 residual fuel oil	2,955	947	515	28	966	498
2350 lube oil & greases	302	—	273	9	9	10
2429 naphtha & solvents	83	—	83	—	—	—
<b>Total primary manufactured goods</b>	<b>0</b>	—	—	—	<b>0</b>	—
<b>Subtotal lime, cement and glass</b>	<b>0</b>	—	—	—	<b>0</b>	—
5290 misc. mineral prod.	0	—	—	—	0	—

RICHMOND HARBOR, CA  
Freight Traffic, 2016 - continued  
(thousand short tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
<b>Total food and farm products</b>	<b>12</b>	---	---	<b>6</b>	<b>6</b>	---
<b>Subtotal other agricultural products</b>	<b>12</b>	---	---	<b>6</b>	<b>6</b>	---
6865 molasses	12	---	---	6	6	---
<b>Total all manufactured equipment, machinery and products</b>	<b>3</b>	---	---	<b>1</b>	<b>2</b>	---
7110 machinery (not elec)	3	---	---	1	2	---

SAN PABLO BAY AND MARE ISLAND STRAIT, CA

Section Included: All of San Pablo Bay and Mare Island Strait. Controlling Depth: Pinole Shoal channel 36.3 feet from San Pablo buoy at beginning of channel to buoy 9; 34.3 feet to buoy 11; 35.1 feet to end of channel; Mare Island Strait (the maintained westerly 55% of project width) 36.3 feet to the Navy Ammunition Pier; 35.8 feet to Finger Pier No. 21; 36.0 feet to "A" Street (end of maintained section); 20.5 feet to the end of 26-foot project at causeway. Project Depth: 35 feet in Pinole Shoal Channel and 30 feet in Mare Island Strait, except at upstream end of turning basin, 26 feet.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
2007	28,504	2010	22,269	2013	30,218	<b>2016</b>	<b>29,101</b>
2008	26,490	2011	25,705	2014	28,874		
2009	23,491	2012	28,497	2015	28,629		

Freight Traffic, 2016 (thousand short tons)

Commodity	Total	Foreign				Canadian	
		Inbound	Outbound	Through		Outbound	Through Upbound
				Upbound	Downbnd		
<b>Total, all commodities</b>	<b>22,092</b>	<b>1,405</b>	<b>638</b>	<b>15,254</b>	<b>4,289</b>	<b>22</b>	<b>486</b>
<b>Total coal</b>	<b>795</b>	---	---	---	<b>795</b>	---	---
1100 coal & lignite	795	---	---	---	795	---	---
<b>Total petroleum and petroleum products</b>	<b>15,137</b>	<b>1,320</b>	<b>638</b>	<b>10,174</b>	<b>2,537</b>	---	<b>468</b>
<b>Subtotal crude petroleum</b>	<b>11,225</b>	<b>1,252</b>	---	<b>9,526</b>	---	---	<b>446</b>
2100 crude petroleum	11,225	1,252	---	9,526	---	---	446
<b>Subtotal petroleum products</b>	<b>3,913</b>	<b>68</b>	<b>638</b>	<b>648</b>	<b>2,537</b>	---	<b>22</b>
2211 gasoline	274	---	---	---	253	---	22
2221 kerosene	141	---	---	101	41	---	---
2330 distillate fuel oil	1,748	16	638	398	697	---	---
2340 residual fuel oil	193	33	---	138	22	---	---
2350 lube oil & greases	20	20	---	---	---	---	---
2429 naphtha & solvents	66	---	---	11	55	---	---
2430 asphalt, tar & pitch	37	---	---	---	37	---	---
2540 petroleum coke	1,433	---	---	---	1,433	---	---
<b>Total chemicals and related products</b>	<b>1,398</b>	<b>30</b>	---	<b>1,234</b>	<b>116</b>	---	<b>18</b>
<b>Subtotal fertilizers</b>	<b>930</b>	---	---	<b>930</b>	---	---	---
3110 nitrogenous fert.	866	---	---	866	---	---	---
3130 potassic fert.	12	---	---	12	---	---	---
3190 fert. & mixes nec	52	---	---	52	---	---	---
<b>Subtotal other chemicals and related products</b>	<b>468</b>	<b>30</b>	---	<b>304</b>	<b>116</b>	---	<b>18</b>
3220 alcohols	124	---	---	106	18	---	---
3230 carboxylic acids	39	30	---	9	---	---	---
3273 ammonia	165	---	---	165	---	---	---
3274 sodium hydroxide	7	---	---	7	---	---	---
3275 inorg. elem., oxides, & halogen salts	34	---	---	---	34	---	---
3276 metallic salts	12	---	---	12	---	---	---
3285 perfumes & cleansers	64	---	---	---	64	---	---
3297 chemical additives	18	---	---	---	---	---	18
3299 chem. products nec	6	---	---	6	---	---	---
<b>Total crude materials, inedible except fuels</b>	<b>991</b>	---	---	<b>711</b>	<b>280</b>	---	---
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>476</b>	---	---	<b>476</b>	---	---	---
4323 gypsum	476	---	---	476	---	---	---
<b>Subtotal iron ore and scrap</b>	<b>0</b>	---	---	<b>0</b>	---	---	---
4420 iron & steel scrap	0	---	---	0	---	---	---
<b>Subtotal sulphur, clay and salt</b>	<b>459</b>	---	---	<b>178</b>	<b>280</b>	---	---
4741 sulphur, (dry)	280	---	---	---	280	---	---
4782 clay & refrac. mat.	8	---	---	8	---	---	---
4783 salt	170	---	---	170	---	---	---
<b>Subtotal slag</b>	<b>56</b>	---	---	<b>56</b>	---	---	---
4860 slaa	56	---	---	56	---	---	---
<b>Total primary manufactured goods</b>	<b>1,632</b>	---	---	<b>1,631</b>	<b>1</b>	---	---
<b>Subtotal paper products</b>	<b>0</b>	---	---	---	<b>0</b>	---	---
5190 paper products nec	0	---	---	---	0	---	---
<b>Subtotal lime, cement and glass</b>	<b>791</b>	---	---	<b>791</b>	---	---	---
5220 cement & concrete	791	---	---	791	---	---	---
<b>Subtotal primary iron and steel products</b>	<b>561</b>	---	---	<b>560</b>	<b>1</b>	---	---
5320 i&s primary forms	7	---	---	7	---	---	---
5330 i&s plates & sheets	276	---	---	276	---	---	---
5360 i&s bars & shapes	154	---	---	154	---	---	---
5370 i&s pipe & tube	12	---	---	11	1	---	---
5390 primary i&s nec	112	---	---	112	---	---	---
<b>Subtotal primary non-ferrous metal products</b>	<b>280</b>	---	---	<b>280</b>	---	---	---
5429 smelted prod. nec	5	---	---	5	---	---	---
5480 fab. metal products	275	---	---	275	---	---	---
<b>Total food and farm products</b>	<b>1,762</b>	---	---	<b>1,214</b>	<b>548</b>	---	---
<b>Subtotal grain</b>	<b>666</b>	---	---	<b>238</b>	<b>428</b>	---	---
6344 corn	214	---	---	214	---	---	---
6442 rice	452	---	---	24	428	---	---

SAN PABLO BAY AND MARE ISLAND STRAIT, CA  
Freight Traffic, 2016 - continued  
(thousand short tons)

Commodity	Total	Foreign				Canadian	
		Inbound	Outbound	Through		Outbound	Through Upbound
				Upbound	Downbnd		
<b>Subtotal oilseeds</b>	<b>142</b>	---	---	<b>142</b>	---	---	---
6522 soybeans	95	---	---	95	---	---	---
6590 oilseeds nec	48	---	---	48	---	---	---
<b>Subtotal vegetable products</b>	<b>115</b>	---	---	<b>115</b>	---	---	---
6653 vegetable oils	115	---	---	115	---	---	---
<b>Subtotal processed grain and animal feed</b>	<b>158</b>	---	---	<b>39</b>	<b>119</b>	---	---
6782 animal feed, prep.	158	---	---	39	119	---	---
<b>Subtotal other agricultural products</b>	<b>681</b>	---	---	<b>681</b>	---	---	---
6861 sugar	460	---	---	460	---	---	---
6865 molasses	160	---	---	160	---	---	---
6889 food products nec	61	---	---	61	---	---	---
<b>Total all manufactured equipment, machinery and products</b>	<b>298</b>	---	---	<b>285</b>	<b>13</b>	---	<b>0</b>
7110 machinery (not elec)	0	---	---	0	0	---	---
7120 electrical machinery	0	---	---	0	---	---	---
7210 vehicles & parts	272	---	---	272	---	---	---
7230 ships & boats	0	---	---	0	---	---	0
7600 rubber & plastic pr.	10	---	---	0	10	---	---
7900 manufac. prod. nec	15	---	---	13	3	---	---
<b>Total unknown or not elsewhere classified</b>	<b>79</b>	<b>54</b>	---	<b>4</b>	---	<b>22</b>	---
9900 unknown or nec	79	54	---	4	---	22	---
<b>Ton-miles (x1000)</b>	<b>220,924</b>	<b>14,045</b>	<b>6,377</b>	<b>152,538</b>	<b>42,891</b>	<b>216</b>	<b>4,857</b>
<b>Foreign &amp; Canadian</b>							

Commodity	Total	Coastwise			
		Receipts	Shipments	Through	
				Upbound	Downbnd
<b>Total, all commodities</b>	<b>6,015</b>	<b>189</b>	<b>183</b>	<b>3,635</b>	<b>2,008</b>
<b>Total petroleum and petroleum products</b>	<b>5,743</b>	<b>189</b>	<b>182</b>	<b>3,477</b>	<b>1,894</b>
<b>Subtotal crude petroleum</b>	<b>2,247</b>	<b>161</b>	---	<b>2,048</b>	<b>38</b>
2100 crude petroleum	2,247	161	---	2,048	38
<b>Subtotal petroleum products</b>	<b>3,497</b>	<b>29</b>	<b>182</b>	<b>1,429</b>	<b>1,856</b>
2211 gasoline	1,621	17	22	487	1,095
2221 kerosene	318	---	---	33	285
2330 distillate fuel oil	1,093	12	153	740	187
2340 residual fuel oil	161	---	7	143	11
2350 lube oil & greases	7	---	---	5	1
2429 naphtha & solvents	298	---	---	20	277
<b>Total chemicals and related products</b>	<b>147</b>	---	---	<b>34</b>	<b>113</b>
<b>Subtotal fertilizers</b>	<b>34</b>	---	---	<b>34</b>	---
3110 nitrogenous fert.	34	---	---	34	---
<b>Subtotal other chemicals and related products</b>	<b>113</b>	---	---	---	<b>113</b>
3220 alcohols	113	---	---	---	113
<b>Total food and farm products</b>	<b>124</b>	---	---	<b>124</b>	---
<b>Subtotal other agricultural products</b>	<b>124</b>	---	---	<b>124</b>	---
6861 sugar	115	---	---	115	---
6865 molasses	9	---	---	9	---
<b>Total all manufactured equipment, machinery and products</b>	<b>1</b>	---	<b>1</b>	---	---
7110 machinery (not elec)	1	---	1	---	---
<b>Ton-miles (x1000)</b>	<b>60,142</b>	<b>1,891</b>	<b>1,825</b>	<b>36,348</b>	<b>20,078</b>
<b>Coastwise</b>					

Commodity	Total	Internal					
		Inbound		Outbound		Through	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
<b>Total, all commodities</b>	<b>994</b>	<b>7</b>	<b>107</b>	<b>25</b>	<b>93</b>	<b>477</b>	<b>284</b>
<b>Total petroleum and petroleum products</b>	<b>702</b>	<b>5</b>	<b>25</b>	<b>24</b>	<b>92</b>	<b>426</b>	<b>129</b>
<b>Subtotal crude petroleum</b>	<b>25</b>	---	<b>25</b>	---	---	---	---
2100 crude petroleum	25	---	25	---	---	---	---
<b>Subtotal petroleum products</b>	<b>677</b>	<b>5</b>	---	<b>24</b>	<b>92</b>	<b>426</b>	<b>129</b>
2211 gasoline	69	---	---	10	---	29	30
2221 kerosene	24	---	---	---	---	12	12
2330 distillate fuel oil	473	---	---	13	92	316	52
2340 residual fuel oil	92	5	---	---	---	60	27
2350 lube oil & areases	19	---	---	---	---	9	9
<b>Total crude materials, inedible except fuels</b>	<b>266</b>	<b>0</b>	<b>80</b>	<b>0</b>	<b>0</b>	<b>31</b>	<b>155</b>
<b>Subtotal forest products, wood and chips</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
4189 lumber	1	0	0	0	0	0	0
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>235</b>	---	<b>80</b>	---	---	---	<b>154</b>
4331 sand & gravel	235	---	80	---	---	---	154
<b>Subtotal marine shells</b>	<b>31</b>	---	---	---	---	<b>31</b>	---
4515 marine shells	31	---	---	---	---	31	---
<b>Total primary manufactured goods</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Subtotal lime, cement and glass</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
5290 misc. mineral prod.	1	0	0	0	0	0	0
<b>Subtotal primary iron and steel products</b>	<b>0</b>	---	---	<b>0</b>	---	---	---
5370 i&s pipe & tube	0	---	---	0	---	---	---
<b>Subtotal primary non-ferrous metal products</b>	<b>0</b>	---	---	<b>0</b>	---	---	---
5480 fab. metal products	0	---	---	0	---	---	---

SAN PABLO BAY AND MARE ISLAND STRAIT, CA  
Freight Traffic, 2016 - continued  
(thousand short tons)

Commodity	Total	Internal					
		Inbound		Outbound		Through	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
<b>Total food and farm products</b>	<b>21</b>	---	<b>1</b>	---	---	<b>20</b>	<b>1</b>
<b>Subtotal other agricultural products</b>	<b>21</b>	---	<b>1</b>	---	---	<b>20</b>	<b>1</b>
6865 molasses	21	---	1	---	---	20	1
<b>Total all manufactured equipment, machinery and products</b>	<b>3</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>
7110 machinery (not elec)	3	2	0	---	1	---	---
7400 manufac. wood prod.	1	0	0	0	0	0	0
<b>Total waste and scrap nec</b>	<b>0</b>	---	<b>0</b>	---	---	---	---
8900 waste and scrap nec	0	---	0	---	---	---	---
<b>Ton-miles (x1000)</b>	<b>8,548</b>	<b>53</b>	<b>817</b>	<b>10</b>	<b>919</b>	<b>4,733</b>	<b>2,016</b>
<b>Internal</b>							
<b>Tons All Traffic (x1000)</b>	<b>29,101</b>						
<b>Ton-miles All Traffic (x1000)</b>	<b>289,615</b>						
<b>Total Trip-ton-miles Internal and Intraport (x1000)</b>	<b>33,160</b>						

CARQUINEZ STRAIT, CA

Section Included: All of Carquinez Strait from Davis Point on the westerly end to the Benicia-Martinez Bridge at Suisun Point on the easterly end, a distance of about 8 miles. Controlling Depth: 33 feet. Project Depth: 45 feet.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
2007	25,962	2010	20,597	2013	27,226	<b>2016</b>	<b>26,663</b>
2008	24,397	2011	23,478	2014	25,685		
2009	21,923	2012	25,813	2015	25,754		

Freight Traffic, 2016 (thousand short tons)

Commodity	Total	Foreign				Canadian
		Inbound	Outbound	Through		Inbound
				Upbound	Downbnd	
<b>Total, all commodities</b>	<b>20,029</b>	<b>11,002</b>	<b>1,187</b>	<b>4,251</b>	<b>3,102</b>	<b>486</b>
<b>Total coal</b>	<b>795</b>	---	---	---	<b>795</b>	---
1100 coal & lignite	795	---	---	---	795	---
<b>Total petroleum and petroleum products</b>	<b>13,179</b>	<b>10,141</b>	<b>1,087</b>	<b>33</b>	<b>1,450</b>	<b>468</b>
<b>Subtotal crude petroleum</b>	<b>9,972</b>	<b>9,526</b>	---	---	---	<b>446</b>
2100 crude petroleum	9,972	9,526	---	---	---	446
<b>Subtotal petroleum products</b>	<b>3,207</b>	<b>615</b>	<b>1,087</b>	<b>33</b>	<b>1,450</b>	<b>22</b>
2211 gasoline	274	---	253	---	0	22
2221 kerosene	141	101	33	---	8	---
2330 distillate fuel oil	1,095	398	377	---	320	---
2340 residual fuel oil	160	105	22	33	---	---
2429 naphtha & solvents	66	11	55	---	---	---
2430 asphalt, tar & pitch	37	---	37	---	---	---
2540 petroleum coke	1,433	---	310	---	1,123	---
<b>Total chemicals and related products</b>	<b>1,368</b>	<b>113</b>	<b>98</b>	<b>1,120</b>	<b>18</b>	<b>18</b>
<b>Subtotal fertilizers</b>	<b>930</b>	---	---	<b>930</b>	---	---
3110 nitrogenous fert.	866	---	---	866	---	---
3130 potassic fert.	12	---	---	12	---	---
3190 fert. & mixes nec	52	---	---	52	---	---
<b>Subtotal other chemicals and related products</b>	<b>438</b>	<b>113</b>	<b>98</b>	<b>191</b>	<b>18</b>	<b>18</b>
3220 alcohols	124	102	---	5	18	---
3230 carboxylic acids	9	6	---	3	---	---
3273 ammonia	165	---	---	165	---	---
3274 sodium hydroxide	7	---	---	7	---	---
3275 inorg. elem., oxides, & halogen salts	34	---	34	---	---	---
3276 metallic salts	12	---	---	12	---	---
3285 perfumes & cleansers	64	---	64	---	---	---
3297 chemical additives	18	---	---	---	---	18
3299 chem. products nec	6	6	---	---	---	---
<b>Total crude materials, inedible except fuels</b>	<b>991</b>	---	---	<b>711</b>	<b>280</b>	---
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>476</b>	---	---	<b>476</b>	---	---
4323 gypsum	476	---	---	476	---	---
<b>Subtotal iron ore and scrap</b>	<b>0</b>	---	---	<b>0</b>	---	---
4420 iron & steel scrap	0	---	---	0	---	---
<b>Subtotal sulphur, clay and salt</b>	<b>459</b>	---	---	<b>178</b>	<b>280</b>	---
4741 sulphur, (dry)	280	---	---	---	280	---
4782 clay & refrac. mat.	8	---	---	8	---	---
4783 salt	170	---	---	170	---	---
<b>Subtotal slag</b>	<b>56</b>	---	---	<b>56</b>	---	---
4860 slag	56	---	---	56	---	---
<b>Total primary manufactured goods</b>	<b>1,632</b>	---	---	<b>1,631</b>	<b>1</b>	---
<b>Subtotal paper products</b>	<b>0</b>	---	---	---	<b>0</b>	---
5190 paper products nec	0	---	---	---	0	---
<b>Subtotal lime, cement and glass</b>	<b>791</b>	---	---	<b>791</b>	---	---
5220 cement & concrete	791	---	---	791	---	---
<b>Subtotal primary iron and steel products</b>	<b>561</b>	---	---	<b>560</b>	<b>1</b>	---
5320 i&s primary forms	7	---	---	7	---	---
5330 i&s plates & sheets	276	---	---	276	---	---
5360 i&s bars & shapes	154	---	---	154	---	---
5370 i&s pipe & tube	12	---	---	11	1	---
5390 primary i&s nec	112	---	---	112	---	---

CARQUINEZ STRAIT, CA  
Freight Traffic, 2016 - continued  
(thousand short tons)

Commodity	Total	Foreign				Canadian
		Inbound	Outbound	Through		Inbound
				Upbound	Downbnd	
<b>Subtotal primary non-ferrous metal products</b>	<b>280</b>	---	---	<b>280</b>	---	---
5429 smelted prod. nec	5	---	---	5	---	---
5480 fab. metal products	275	---	---	275	---	---
<b>Total food and farm products</b>	<b>1,762</b>	<b>460</b>	---	<b>755</b>	<b>548</b>	---
<b>Subtotal grain</b>	<b>666</b>	---	---	<b>238</b>	<b>428</b>	---
6344 corn	214	---	---	214	---	---
6442 rice	452	---	---	24	428	---
<b>Subtotal oilseeds</b>	<b>142</b>	---	---	<b>142</b>	---	---
6522 soybeans	95	---	---	95	---	---
6590 oilseeds nec	48	---	---	48	---	---
<b>Subtotal vegetable products</b>	<b>115</b>	---	---	<b>115</b>	---	---
6653 vegetable oils	115	---	---	115	---	---
<b>Subtotal processed grain and animal feed</b>	<b>158</b>	---	---	<b>39</b>	<b>119</b>	---
6782 animal feed, prep.	158	---	---	39	119	---
<b>Subtotal other agricultural products</b>	<b>681</b>	<b>460</b>	---	<b>221</b>	---	---
6861 sugar	460	460	---	---	---	---
6865 molasses	160	---	---	160	---	---
6889 food products nec	61	---	---	61	---	---
<b>Total all manufactured equipment, machinery and products</b>	<b>298</b>	<b>284</b>	<b>2</b>	<b>1</b>	<b>10</b>	<b>0</b>
7110 machinery (not elec)	0	0	---	0	0	---
7120 electrical machinery	0	---	---	0	---	---
7210 vehicles & parts	272	272	---	0	---	---
7230 ships & boats	0	0	---	0	---	0
7600 rubber & plastic pr.	10	---	---	0	10	---
7900 manufac. prod. nec	15	12	2	0	0	---
<b>Total unknown or not elsewhere classified</b>	<b>4</b>	<b>4</b>	---	<b>0</b>	---	---
9900 unknown or nec	4	4	---	0	---	---
<b>Ton-miles (x1000)</b>	<b>137,388</b>	<b>74,391</b>	<b>8,124</b>	<b>29,760</b>	<b>21,713</b>	<b>3,400</b>

Commodity	Total	Coastwise			
		Receipts	Shipments	Through	
				Upbound	Downbnd
<b>Total, all commodities</b>	<b>5,643</b>	<b>2,988</b>	<b>1,664</b>	<b>647</b>	<b>344</b>
<b>Total petroleum and petroleum products</b>	<b>5,372</b>	<b>2,873</b>	<b>1,551</b>	<b>604</b>	<b>344</b>
<b>Subtotal crude petroleum</b>	<b>2,086</b>	<b>2,002</b>	<b>38</b>	<b>46</b>	---
2100 crude petroleum	2,086	2,002	38	46	---
<b>Subtotal petroleum products</b>	<b>3,286</b>	<b>871</b>	<b>1,513</b>	<b>559</b>	<b>344</b>
2211 gasoline	1,582	67	967	421	128
2221 kerosene	318	33	285	---	---
2330 distillate fuel oil	928	626	85	114	102
2340 residual fuel oil	154	131	9	12	2
2350 lube oil & greases	7	5	---	---	1
2429 naphtha & solvents	298	9	167	12	110
<b>Total chemicals and related products</b>	<b>147</b>	---	<b>113</b>	<b>34</b>	---
<b>Subtotal fertilizers</b>	<b>34</b>	---	---	<b>34</b>	---
3110 nitrogenous fert.	34	---	---	34	---
<b>Subtotal other chemicals and related products</b>	<b>113</b>	---	<b>113</b>	---	---
3220 alcohols	113	---	113	---	---
<b>Total food and farm products</b>	<b>124</b>	<b>115</b>	---	<b>9</b>	---
<b>Subtotal other agricultural products</b>	<b>124</b>	<b>115</b>	---	<b>9</b>	---
6861 sugar	115	115	---	---	---
6865 molasses	9	---	---	9	---
<b>Ton-miles (x1000)</b>	<b>29,071</b>	<b>13,336</b>	<b>8,802</b>	<b>4,527</b>	<b>2,407</b>

Commodity	Total	Internal									
		Inbound			Outbound			Through		Intra	
		Upbound	Upbound	Downbnd	Upbound	Upbound	Downbnd	Upbound	Downbnd		
<b>Total, all commodities</b>	<b>992</b>	<b>73</b>	<b>44</b>	<b>68</b>	<b>419</b>	<b>359</b>	<b>15</b>	<b>14</b>			
<b>Total petroleum and petroleum products</b>	<b>662</b>	<b>72</b>	<b>28</b>	<b>66</b>	<b>378</b>	<b>88</b>	<b>15</b>	<b>14</b>			
<b>Subtotal crude petroleum</b>	<b>25</b>	---	---	<b>25</b>	---	---	---	---			
2100 crude petroleum	25	---	---	25	---	---	---	---			
<b>Subtotal petroleum products</b>	<b>637</b>	<b>72</b>	<b>28</b>	<b>41</b>	<b>378</b>	<b>88</b>	<b>15</b>	<b>14</b>			
2211 gasoline	82	10	---	21	29	9	7	6			
2221 kerosene	24	---	---	---	12	12	---	---			
2330 distillate fuel oil	403	33	21	---	296	52	---	---			
2340 residual fuel oil	86	28	---	20	31	6	---	---			
2350 lube oil & greases	35	---	---	---	9	9	8	8			
2429 naphtha & solvents	7	---	7	---	---	---	---	---			
<b>Total crude materials, inedible except fuels</b>	<b>292</b>	<b>0</b>	---	<b>0</b>	<b>21</b>	<b>270</b>	<b>0</b>	---			
<b>Subtotal forest products, wood and chips</b>	<b>1</b>	<b>0</b>	---	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	---			
4189 lumber	1	0	---	0	0	0	0	---			
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>270</b>	---	---	---	---	<b>270</b>	---	---			
4331 sand & gravel	270	---	---	---	---	270	---	---			



CARQUINEZ STRAIT, CA  
Freight Traffic, 2016 - continued  
(thousand short tons)

Commodity	Total	Internal								
		Inbound			Outbound		Through		Intra	
		Upbound	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd		
<b>Subtotal marine shells</b>	<b>21</b>	---	---	---	21	---	---	---	---	
4515 marine shells	21	---	---	---	21	---	---	---	---	
<b>Total primary manufactured goods</b>	<b>1</b>	<b>0</b>	---	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	---	
<b>Subtotal lime, cement and glass</b>	<b>1</b>	<b>0</b>	---	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	---	
5290 misc. mineral prod.	1	0	---	0	0	0	0	0	---	
<b>Subtotal primary iron and steel products</b>	<b>0</b>	---	---	---	<b>0</b>	---	---	---	---	
5370 i&s pipe & tube	0	---	---	---	0	---	---	---	---	
<b>Subtotal primary non-ferrous metal products</b>	<b>0</b>	---	---	---	<b>0</b>	---	---	---	---	
5480 fab. metal products	0	---	---	---	0	---	---	---	---	
<b>Total food and farm products</b>	<b>36</b>	---	<b>15</b>	<b>1</b>	<b>20</b>	---	---	---	---	
<b>Subtotal other agricultural products</b>	<b>36</b>	---	<b>15</b>	<b>1</b>	<b>20</b>	---	---	---	---	
6865 molasses	36	---	15	1	20	---	---	---	---	
<b>Total all manufactured equipment, machinery and products</b>	<b>1</b>	<b>0</b>	---	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	---	
7110 machinery (not elec)	0	---	---	---	---	0	---	---	---	
7400 manufac. wood prod.	1	0	---	0	0	0	0	0	---	
<b>Total waste and scrap nec</b>	<b>0</b>	---	---	---	---	<b>0</b>	---	---	---	
8900 waste and scrap nec	0	---	---	---	---	0	---	---	---	
<b>Ton-miles (x1000)</b>	<b>6,478</b>	<b>471</b>	<b>77</b>	<b>344</b>	<b>2,935</b>	<b>2,515</b>	<b>91</b>	<b>45</b>		
<b>Internal</b>										
<b>Tons All Traffic (x1000)</b>	<b>26,663</b>									
<b>Ton-miles All Traffic (x1000)</b>	<b>172,937</b>									
<b>Total Trip-ton-miles Internal and Intraport (x1000)</b>	<b>32,868</b>									

SUISUN BAY CHANNEL, CA

Section Included: Suisun Bay Channel from Suisun Point at west end of Benicia-Martinez Bridge to East Reach of Middleground Island thence to mouth of New York Slough. Controlling Depth: 35.0 feet from Suisun Point to Avon Wharf; 35.0 feet to Preston Point; 35.0 feet to Middle Point; 35.0 feet through East Reach Middleground Island, 38.0 feet to mouth of New York Slough, 35.0 feet thru New York Slough. Project Depth: 35 feet from Benicia-Martinez Bridge to Avon Pier, 30 feet for remainder of channel.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
2007	8,585	2010	5,912	2013	8,733	<b>2016</b>	<b>9,166</b>
2008	6,626	2011	7,841	2014	9,635		
2009	6,297	2012	8,002	2015	9,569		

Freight Traffic, 2016 (thousand short tons)

Commodity	Total	Foreign			
		Inbound	Outbound	Through	
				Upbound	Downbnd
<b>Total, all commodities</b>	<b>7,353</b>	<b>34</b>	<b>309</b>	<b>4,218</b>	<b>2,793</b>
<b>Total coal</b>	<b>795</b>	---	---	---	<b>795</b>
1100 coal & lignite	795	---	---	---	795
<b>Total petroleum and petroleum products</b>	<b>1,484</b>	<b>33</b>	<b>309</b>	---	<b>1,141</b>
<b>Subtotal petroleum products</b>	<b>1,484</b>	<b>33</b>	<b>309</b>	---	<b>1,141</b>
2211 gasoline	0	---	0	---	---
2221 kerosene	8	---	8	---	---
2330 distillate fuel oil	320	---	301	---	18
2340 residual fuel oil	33	33	---	---	---
2540 petroleum coke	1,123	---	---	---	1,123
<b>Total chemicals and related products</b>	<b>1,138</b>	---	---	<b>1,120</b>	<b>18</b>
<b>Subtotal fertilizers</b>	<b>930</b>	---	---	<b>930</b>	---
3110 nitrogenous fert.	866	---	---	866	---
3130 potassic fert.	12	---	---	12	---
3190 fert. & mixes nec	52	---	---	52	---
<b>Subtotal other chemicals and related products</b>	<b>209</b>	---	---	<b>191</b>	<b>18</b>
3220 alcohols	23	---	---	5	18
3230 carboxylic acids	3	---	---	3	---
3273 ammonia	165	---	---	165	---
3274 sodium hydroxide	7	---	---	7	---
3276 metallic salts	12	---	---	12	---
<b>Total crude materials, inedible except fuels</b>	<b>991</b>	---	---	<b>711</b>	<b>280</b>
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>476</b>	---	---	<b>476</b>	---
4323 gypsum	476	---	---	476	---
<b>Subtotal iron ore and scrap</b>	<b>0</b>	---	---	<b>0</b>	---
4420 iron & steel scrap	0	---	---	0	---
<b>Subtotal sulphur, clay and salt</b>	<b>459</b>	---	---	<b>178</b>	<b>280</b>
4741 sulphur, (dry)	280	---	---	---	280
4782 clay & refrac. mat.	8	---	---	8	---
4783 salt	170	---	---	170	---
<b>Subtotal slag</b>	<b>56</b>	---	---	<b>56</b>	---
4860 slac	56	---	---	56	---
<b>Total primary manufactured goods</b>	<b>1,632</b>	---	---	<b>1,631</b>	<b>1</b>
<b>Subtotal paper products</b>	<b>0</b>	---	---	---	<b>0</b>
5190 paper products nec	0	---	---	---	0
<b>Subtotal lime, cement and glass</b>	<b>791</b>	---	---	<b>791</b>	---
5220 cement & concrete	791	---	---	791	---

SUISUN BAY CHANNEL, CA  
 Freight Traffic, 2016 - continued  
 (thousand short tons)

Commodity	Total	Foreign			
		Inbound	Outbound	Through	
				Upbound	Downbnd
<b>Subtotal primary iron and steel products</b>	<b>561</b>	---	---	<b>560</b>	<b>1</b>
5320 i&s primary forms	7	---	---	7	---
5330 i&s plates & sheets	276	---	---	276	---
5360 i&s bars & shapes	154	---	---	154	---
5370 i&s pipe & tube	12	---	---	11	1
5390 primary i&s nec	112	---	---	112	---
<b>Subtotal primary non-ferrous metal products</b>	<b>280</b>	---	---	<b>280</b>	---
5429 smelted prod. nec	5	---	---	5	---
5480 fab. metal products	275	---	---	275	---
<b>Total food and farm products</b>	<b>1,302</b>	---	---	<b>755</b>	<b>548</b>
<b>Subtotal grain</b>	<b>666</b>	---	---	<b>238</b>	<b>428</b>
6344 corn	214	---	---	214	---
6442 rice	452	---	---	24	428
<b>Subtotal oilseeds</b>	<b>142</b>	---	---	<b>142</b>	---
6522 soybeans	95	---	---	95	---
6590 oilseeds nec	48	---	---	48	---
<b>Subtotal vegetable products</b>	<b>115</b>	---	---	<b>115</b>	---
6653 vegetable oils	115	---	---	115	---
<b>Subtotal processed grain and animal feed</b>	<b>158</b>	---	---	<b>39</b>	<b>119</b>
6782 animal feed, prep.	158	---	---	39	119
<b>Subtotal other agricultural products</b>	<b>221</b>	---	---	<b>221</b>	---
6865 molasses	160	---	---	160	---
6889 food products nec	61	---	---	61	---
<b>Total all manufactured equipment, machinery and products</b>	<b>11</b>	<b>0</b>	---	<b>1</b>	<b>10</b>
7110 machinery (not elec)	0	---	---	0	0
7120 electrical machinery	0	0	---	0	---
7210 vehicles & parts	0	0	---	0	---
7230 ships & boats	0	0	---	0	---
7600 rubber & plastic pr.	10	---	---	0	10
7900 manufac. prod. nec	1	---	---	0	0
<b>Total unknown or not elsewhere classified</b>	<b>0</b>	<b>0</b>	---	---	---
9900 unknown or nec	0	0	---	---	---
<b>Ton-miles (x1000)</b>	<b>105,806</b>	<b>69</b>	<b>578</b>	<b>63,268</b>	<b>41,890</b>

Commodity	Total	Domestic						
		Coastwise			Internal			
		Receipts	Shipments	Through Upbound	Inbound Upbound	Outbound Downbnd	Through Upbound	Through Downbnd
<b>Total, all commodities</b>	<b>1,813</b>	<b>604</b>	<b>344</b>	<b>42</b>	<b>407</b>	<b>348</b>	<b>56</b>	<b>11</b>
<b>Total petroleum and petroleum products</b>	<b>1,443</b>	<b>604</b>	<b>344</b>	---	<b>406</b>	<b>88</b>	---	---
<b>Subtotal crude petroleum</b>	<b>46</b>	<b>46</b>	---	---	---	---	---	---
2100 crude petroleum	46	46	---	---	---	---	---	---
<b>Subtotal petroleum products</b>	<b>1,397</b>	<b>559</b>	<b>344</b>	---	<b>406</b>	<b>88</b>	---	---
2211 gasoline	587	421	128	---	29	9	---	---
2221 kerosene	24	---	---	---	12	12	---	---
2330 distillate fuel oil	586	114	102	---	318	52	---	---
2340 residual fuel oil	52	12	2	---	31	6	---	---
2350 lube oil & greases	20	---	1	---	9	9	---	---
2429 naphtha & solvents	128	12	110	---	7	---	---	---
<b>Total chemicals and related products</b>	<b>34</b>	---	---	<b>34</b>	---	---	---	---
<b>Subtotal fertilizers</b>	<b>34</b>	---	---	<b>34</b>	---	---	---	---
3110 nitrogenous fert.	34	---	---	34	---	---	---	---
<b>Total crude materials, inedible except fuels</b>	<b>291</b>	---	---	---	<b>0</b>	<b>259</b>	<b>21</b>	<b>11</b>
<b>Subtotal forest products, wood and chips</b>	<b>0</b>	---	---	---	<b>0</b>	---	<b>0</b>	<b>0</b>
4189 lumber	0	---	---	---	0	---	0	0
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>270</b>	---	---	---	---	<b>259</b>	---	<b>11</b>
4331 sand & gravel	270	---	---	---	---	259	---	11
<b>Subtotal marine shells</b>	<b>21</b>	---	---	---	---	---	<b>21</b>	---
4515 marine shells	21	---	---	---	---	---	21	---
<b>Total primary manufactured goods</b>	<b>0</b>	---	---	---	<b>0</b>	---	<b>0</b>	<b>0</b>
<b>Subtotal lime, cement and glass</b>	<b>0</b>	---	---	---	---	---	<b>0</b>	<b>0</b>
5290 misc. mineral prod.	0	---	---	---	---	---	0	0
<b>Subtotal primary iron and steel products</b>	<b>0</b>	---	---	---	<b>0</b>	---	---	---
5370 i&s pipe & tube	0	---	---	---	0	---	---	---
<b>Subtotal primary non-ferrous metal products</b>	<b>0</b>	---	---	---	<b>0</b>	---	---	---
5480 fab. metal products	0	---	---	---	0	---	---	---
<b>Total food and farm products</b>	<b>44</b>	---	---	<b>9</b>	---	---	<b>35</b>	---
<b>Subtotal other agricultural products</b>	<b>44</b>	---	---	<b>9</b>	---	---	<b>35</b>	---
6865 molasses	44	---	---	9	---	---	35	---
<b>Total all manufactured equipment, machinery and products</b>	<b>0</b>	---	---	---	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
7110 machinery (not elec)	0	---	---	---	---	0	---	---
7400 manufac. wood prod.	0	---	---	---	0	---	0	0
<b>Total waste and scrap nec</b>	<b>0</b>	---	---	---	---	<b>0</b>	---	---
8900 waste and scrap nec	0	---	---	---	---	0	---	---

SUISUN BAY CHANNEL, CA  
Freight Traffic, 2016 - continued  
(thousand short tons)

Commodity	Total	Domestic						
		Coastwise			Internal			
		Receipts	Shipments	Through Upbound	Inbound Upbound	Outbound Downbnd	Through Upbound	Through Downbnd
<b>Ton-miles (x1000) Domestic</b>	<b>6,321</b>	<b>763</b>	<b>480</b>	<b>637</b>	<b>407</b>	<b>3,021</b>	<b>842</b>	<b>171</b>
<b>Tons All Traffic (x1000)</b>	<b>9,166</b>							
<b>Ton-miles All Traffic (x1000)</b>	<b>112,127</b>							
<b>Total Trip-ton-miles Internal and Intraport (x1000)</b>	<b>29,768</b>							

HUMBOLDT HARBOR AND BAY, CA

Section Included: Entrance channel to bay and channels in bay between Arcata Wharf on the north and Fields Landing on the south. Controlling Depth: Bar entrance channel, 45.1 feet; channel between the jetties, 35.0 feet; channel at intersection of Fields Landing and North Bay Channel, 27.5 feet; North Bay Channel, 34.8 feet to Standard Oil Wharf at Bucksport, 34.5 feet for remainder of channel; Samoa Channel, 34.6 feet; 30.0 feet in Samoa Turning Basin; Eureka Channel, 29.3 feet to angle in channel, 11.5 feet to "D" Street, 8.9 feet to head of project; Fields Landing Channel, 26.3 feet to Buhne Point, 29.6 feet at Buhne Point; 28.0 feet to turning basin, 28.5 feet in turning basin, 19.6 feet in southeast corner of turning basin. Project Depth: Entrance channel, 40 feet; North Bay, Samoa, and lower portion of Eureka Channel 30 feet, upper portion of Eureka Channel and Fields Landing Channel, 26 feet.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
2007	722	2010	339	2013	380	<b>2016</b>	<b>348</b>
2008	507	2011	447	2014	306		
2009	313	2012	417	2015	275		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Foreign Outbound	Domestic		
			Total	Coastwise	
				Receipts	Shipments
<b>Total, all commodities</b>	<b>348</b>	<b>33</b>	<b>315</b>	<b>196</b>	<b>120</b>
<b>Total petroleum and petroleum products</b>	<b>196</b>	<b>---</b>	<b>196</b>	<b>196</b>	<b>---</b>
<b>Subtotal petroleum products</b>	<b>196</b>	<b>---</b>	<b>196</b>	<b>196</b>	<b>---</b>
2211 gasoline	111	---	111	111	---
2330 distillate fuel oil	85	---	85	85	---
<b>Total crude materials, inedible except fuels</b>	<b>152</b>	<b>33</b>	<b>120</b>	<b>---</b>	<b>120</b>
<b>Subtotal forest products, wood and chips</b>	<b>152</b>	<b>33</b>	<b>120</b>	<b>---</b>	<b>120</b>
4161 wood chips	120	---	120	---	120
4170 wood in the rough	33	33	---	---	---

Other Harbors and Waterways 2016

Harbor or Waterway Project	Commodity	Thousand Short Tons
BERKELEY, CA	No Commerce Reported	
BODEGA BAY, CA	No Commerce Reported	
CRESCENT CITY HARBOR, CA	No Commerce Reported	
MONTEREY HARBOR, CA	No Commerce Reported	
MOSS LANDING HARBOR, CA	No Commerce Reported	
NAPA RIVER, CA	4331 sand & gravel	36
	<b>Total Tons(x1000)</b>	<b>36</b>
	<b>Total Ton-miles(x1000)</b>	<b>358</b>
	<b>Total Trip-ton-miles Internal and Intraport (x1000)</b>	<b>1,248</b>
NOYO RIVER, CA	No Commerce Reported	
PETALUMA RIVER, CA	4331 sand & gravel	118
	4515 marine shells	10
	<b>Total Tons(x1000)</b>	<b>128</b>
	<b>Total Ton-miles(x1000)</b>	<b>1,412</b>
	<b>Total Trip-ton-miles Internal and Intraport (x1000)</b>	<b>4,736</b>
PILLAR POINT HARBOR, CA	No Commerce Reported	
SAN LEANDRO MARINA, CA	4515 marine shells	31
	<b>Total Tons(x1000)</b>	<b>31</b>
SAN RAFAEL CREEK, CA	No Commerce Reported	
SANTA CRUZ HARBOR, CA	No Commerce Reported	
SUISUN CHANNEL, CA	No Commerce Reported	
OTHER SAN FRANCISCO BAY AREA PORTS, CA (NET)	2340 residual fuel oil	263
	4189 lumber	0
	4331 sand & gravel	1,211
	4420 iron & steel scrap	35
	4515 marine shells	31
	5290 misc. mineral prod.	0
	6865 molasses	40
	7400 manufac. wood prod.	0
	<b>Total Tons(x1000)</b>	<b>1,581</b>
	<b>Total Ton-miles(x1000)</b>	<b>1,581</b>
	<b>Total Trip-ton-miles Internal and Intraport (x1000)</b>	<b>32,169</b>

HILO HARBOR, HAWAII IS., HI

Section Included: Port of Hilo. Controlling Depth: 34.0 feet. Project Depth: 35 feet.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
2007	2,782	2010	1,135	2013	2,062	<b>2016</b>	<b>2,158</b>
2008	2,068	2011	1,984	2014	2,188		
2009	1,088	2012	1,968	2015	2,130		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Foreign		Domestic		
		Inbound	Total	Coastwise		
				Receipts	Shipments	
<b>Total, all commodities</b>	<b>2,158</b>	<b>31</b>	<b>2,127</b>	<b>1,524</b>	<b>604</b>	
<b>Total petroleum and petroleum products</b>	<b>366</b>	<b>31</b>	<b>335</b>	<b>335</b>	<b>0</b>	
<b>Subtotal petroleum products</b>	<b>366</b>	<b>31</b>	<b>335</b>	<b>335</b>	<b>0</b>	
2211 gasoline	102	—	102	102	—	
2221 kerosene	26	—	26	26	—	
2330 distillate fuel oil	121	—	121	121	—	
2340 residual fuel oil	82	—	82	82	—	
2350 lube oil & greases	0	—	0	0	—	
2429 naphtha & solvents	3	—	3	3	—	
2640 hydrocarbon & petrol gases, liquefied and gaseous	33	31	2	1	0	
2990 petro. products nec	0	—	0	0	—	
<b>Total chemicals and related products</b>	<b>21</b>	<b>—</b>	<b>21</b>	<b>20</b>	<b>1</b>	
<b>Subtotal fertilizers</b>	<b>3</b>	<b>—</b>	<b>3</b>	<b>3</b>	<b>—</b>	
3190 fert. & mixes nec	3	—	3	3	—	
<b>Subtotal other chemicals and related products</b>	<b>18</b>	<b>—</b>	<b>18</b>	<b>17</b>	<b>1</b>	
3220 alcohols	16	—	16	16	—	
3282 pigments & paints	0	—	0	0	—	
3285 perfumes & cleansers	0	—	0	0	—	
3286 plastics	0	—	0	0	—	
3299 chem. products nec	2	—	2	1	1	
<b>Total crude materials, inedible except fuels</b>	<b>12</b>	<b>—</b>	<b>12</b>	<b>6</b>	<b>6</b>	
<b>Subtotal forest products, wood and chips</b>	<b>6</b>	<b>—</b>	<b>6</b>	<b>5</b>	<b>1</b>	
4189 lumber	6	—	6	5	1	
4190 forest products nec	1	—	1	1	—	
<b>Subtotal pulp and waste paper</b>	<b>2</b>	<b>—</b>	<b>2</b>	<b>0</b>	<b>2</b>	
4225 pulp & waste paper	2	—	2	0	2	
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>0</b>	<b>—</b>	<b>0</b>	<b>0</b>	<b>—</b>	
4338 soil & fill dirt	0	—	0	0	—	
<b>Subtotal iron ore and scrap</b>	<b>4</b>	<b>—</b>	<b>4</b>	<b>1</b>	<b>3</b>	
4420 iron & steel scrap	4	—	4	1	3	
<b>Total primary manufactured goods</b>	<b>30</b>	<b>—</b>	<b>30</b>	<b>27</b>	<b>3</b>	
<b>Subtotal paper products</b>	<b>2</b>	<b>—</b>	<b>2</b>	<b>2</b>	<b>0</b>	
5190 paper products nec	2	—	2	2	0	
<b>Subtotal lime, cement and glass</b>	<b>21</b>	<b>—</b>	<b>21</b>	<b>21</b>	<b>0</b>	
5220 cement & concrete	19	—	19	19	—	
5240 glass & glass prod.	0	—	0	0	0	
5290 misc. mineral prod.	2	—	2	2	0	
<b>Subtotal primary iron and steel products</b>	<b>0</b>	<b>—</b>	<b>0</b>	<b>0</b>	<b>0</b>	
5360 i&s bars & shapes	0	—	0	0	0	
5370 i&s pipe & tube	0	—	0	0	—	
<b>Subtotal primary non-ferrous metal products</b>	<b>7</b>	<b>—</b>	<b>7</b>	<b>4</b>	<b>3</b>	
5480 fab. metal products	7	—	7	4	3	
<b>Subtotal primary wood products</b>	<b>0</b>	<b>—</b>	<b>0</b>	<b>0</b>	<b>0</b>	
5540 primary wood prod.	0	—	0	0	0	
<b>Total food and farm products</b>	<b>35</b>	<b>—</b>	<b>35</b>	<b>19</b>	<b>16</b>	
<b>Subtotal fish</b>	<b>0</b>	<b>—</b>	<b>0</b>	<b>0</b>	<b>—</b>	
6134 fish (not shellfish)	0	—	0	0	—	
<b>Subtotal grain</b>	<b>0</b>	<b>—</b>	<b>0</b>	<b>0</b>	<b>—</b>	
6442 rice	0	—	0	0	—	
<b>Subtotal vegetable products</b>	<b>5</b>	<b>—</b>	<b>5</b>	<b>1</b>	<b>3</b>	
6654 vegetables & prod.	5	—	5	1	3	
<b>Subtotal processed grain and animal feed</b>	<b>2</b>	<b>—</b>	<b>2</b>	<b>2</b>	<b>—</b>	
6781 hay & fodder	0	—	0	0	—	
6782 animal feed, prep.	2	—	2	2	—	
<b>Subtotal other agricultural products</b>	<b>28</b>	<b>—</b>	<b>28</b>	<b>15</b>	<b>13</b>	
6811 meat, fresh, frozen	0	—	0	0	—	
6839 animals & prod. nec	0	—	0	—	0	
6871 coffee	0	—	0	0	0	
6885 alcoholic beverages	4	—	4	4	0	
6887 groceries	14	—	14	5	9	
6889 food products nec	9	—	9	6	2	
6899 farm products nec	1	—	1	0	1	
<b>Total all manufactured equipment, machinery and products</b>	<b>1,693</b>	<b>—</b>	<b>1,693</b>	<b>1,116</b>	<b>577</b>	
7110 machinery (not elec)	3	—	3	3	0	
7120 electrical machinery	0	—	0	0	0	
7210 vehicles & parts	112	—	112	86	26	
7230 ships & boats	0	—	0	0	0	
7400 manufac. wood prod.	7	—	7	6	2	
7600 rubber & plastic pr.	0	—	0	0	—	
7900 manufac. prod. nec	1,570	—	1,570	1,021	549	
<b>Total waste and scrap nec</b>	<b>0</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>0</b>	
8900 waste and scrap nec	0	—	0	—	0	

KAWAIIHAE HARBOR, HAWAII IS., HI

Section Included: Port of Kawaihae. Controlling Depth: 42.0 feet in entrance channel and 36.0 feet in harbor basin. Project Depth: Harbor basin 35 feet; entrance channel 40 feet.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
2007	2,558	2010	1,050	2013	1,887	2016	2,010
2008	2,063	2011	1,811	2014	1,836		
2009	1,112	2012	1,837	2015	1,995		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Foreign		Domestic		
		Inbound	Outbound	Total	Coastwise	
					Receipts	Shipments
<b>Total, all commodities</b>	<b>2,010</b>	<b>14</b>	<b>1</b>	<b>1,995</b>	<b>1,228</b>	<b>767</b>
<b>Total petroleum and petroleum products</b>	<b>86</b>	<b>---</b>	<b>---</b>	<b>86</b>	<b>86</b>	<b>---</b>
<b>Subtotal petroleum products</b>	<b>86</b>	<b>---</b>	<b>---</b>	<b>86</b>	<b>86</b>	<b>---</b>
2211 gasoline	45	---	---	45	45	---
2221 kerosene	40	---	---	40	40	---
2350 lube oil & greases	0	---	---	0	0	---
2990 petro. products nec	0	---	---	0	0	---
<b>Total chemicals and related products</b>	<b>11</b>	<b>---</b>	<b>---</b>	<b>11</b>	<b>11</b>	<b>0</b>
<b>Subtotal fertilizers</b>	<b>9</b>	<b>---</b>	<b>---</b>	<b>9</b>	<b>9</b>	<b>0</b>
3190 fert. & mixes nec	9	---	---	9	9	0
<b>Subtotal other chemicals and related products</b>	<b>2</b>	<b>---</b>	<b>---</b>	<b>2</b>	<b>2</b>	<b>0</b>
3282 pigments & paints	0	---	---	0	0	---
3285 perfumes & cleansers	0	---	---	0	0	---
3286 plastics	0	---	---	0	0	---
3293 explosives	0	---	---	0	0	---
3299 chem. products nec	2	---	---	2	2	0
<b>Total crude materials, inedible except fuels</b>	<b>51</b>	<b>14</b>	<b>1</b>	<b>36</b>	<b>18</b>	<b>18</b>
<b>Subtotal forest products, wood and chips</b>	<b>20</b>	<b>---</b>	<b>1</b>	<b>19</b>	<b>18</b>	<b>1</b>
4170 wood in the rough	1	---	1	---	---	---
4189 lumber	17	---	---	17	16	1
4190 forest products nec	1	---	---	1	1	0
<b>Subtotal pulp and waste paper</b>	<b>6</b>	<b>---</b>	<b>---</b>	<b>6</b>	<b>0</b>	<b>6</b>
4225 pulp & waste paper	6	---	---	6	0	6
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>14</b>	<b>14</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>
4331 sand & gravel	14	14	---	---	---	---
<b>Subtotal iron ore and scrap</b>	<b>11</b>	<b>---</b>	<b>---</b>	<b>11</b>	<b>1</b>	<b>10</b>
4420 iron & steel scrap	11	---	---	11	1	10
<b>Total primary manufactured goods</b>	<b>48</b>	<b>---</b>	<b>---</b>	<b>48</b>	<b>45</b>	<b>3</b>
<b>Subtotal paper products</b>	<b>4</b>	<b>---</b>	<b>---</b>	<b>4</b>	<b>4</b>	<b>0</b>
5190 paper products nec	4	---	---	4	4	0
<b>Subtotal lime, cement and glass</b>	<b>36</b>	<b>---</b>	<b>---</b>	<b>36</b>	<b>36</b>	<b>0</b>
5220 cement & concrete	34	---	---	34	34	---
5240 glass & glass prod.	0	---	---	0	0	0
5290 misc. mineral prod.	1	---	---	1	1	---
<b>Subtotal primary iron and steel products</b>	<b>1</b>	<b>---</b>	<b>---</b>	<b>1</b>	<b>1</b>	<b>0</b>
5360 i&s bars & shapes	1	---	---	1	1	0
5370 i&s pipe & tube	0	---	---	0	0	---
<b>Subtotal primary non-ferrous metal products</b>	<b>6</b>	<b>---</b>	<b>---</b>	<b>6</b>	<b>4</b>	<b>2</b>
5480 fab. metal products	6	---	---	6	4	2
<b>Subtotal primary wood products</b>	<b>0</b>	<b>---</b>	<b>---</b>	<b>0</b>	<b>0</b>	<b>0</b>
5540 primary wood prod.	0	---	---	0	0	0
<b>Total food and farm products</b>	<b>120</b>	<b>---</b>	<b>---</b>	<b>120</b>	<b>76</b>	<b>44</b>
<b>Subtotal fish</b>	<b>0</b>	<b>---</b>	<b>---</b>	<b>0</b>	<b>0</b>	<b>0</b>
6134 fish (not shellfish)	0	---	---	0	0	0
<b>Subtotal grain</b>	<b>3</b>	<b>---</b>	<b>---</b>	<b>3</b>	<b>3</b>	<b>0</b>
6442 rice	3	---	---	3	3	0
<b>Subtotal vegetable products</b>	<b>13</b>	<b>---</b>	<b>---</b>	<b>13</b>	<b>7</b>	<b>6</b>
6654 vegetables & prod.	13	---	---	13	7	6
<b>Subtotal processed grain and animal feed</b>	<b>8</b>	<b>---</b>	<b>---</b>	<b>8</b>	<b>8</b>	<b>---</b>
6747 grain mill products	0	---	---	0	0	---
6781 hay & fodder	3	---	---	3	3	---
6782 animal feed, prep.	4	---	---	4	4	---
<b>Subtotal other agricultural products</b>	<b>96</b>	<b>---</b>	<b>---</b>	<b>96</b>	<b>58</b>	<b>38</b>
6811 meat, fresh, frozen	2	---	---	2	2	---
6839 animals & prod. nec	5	---	---	5	1	4
6861 sugar	0	---	---	0	0	---
6871 coffee	0	---	---	0	---	0
6885 alcoholic beverages	22	---	---	22	22	0
6887 groceries	5	---	---	5	2	3
6889 food products nec	56	---	---	56	27	29
6899 farm products nec	5	---	---	5	4	1
<b>Total all manufactured equipment, machinery and products</b>	<b>1,694</b>	<b>---</b>	<b>---</b>	<b>1,694</b>	<b>993</b>	<b>701</b>
7110 machinery (not elec)	11	---	---	11	11	1
7120 electrical machinery	2	---	---	2	1	1
7210 vehicles & parts	62	---	---	62	38	23
7230 ships & boats	1	---	---	1	0	0
7400 manufac. wood prod.	45	---	---	45	32	13
7500 textile products	0	---	---	0	0	---
7600 rubber & plastic pr.	0	---	---	0	0	0
7900 manufac. prod. nec	1,572	---	---	1,572	910	663
<b>Total waste and scrap nec</b>	<b>0</b>	<b>---</b>	<b>---</b>	<b>0</b>	<b>---</b>	<b>0</b>
8900 waste and scrap nec	0	---	---	0	---	0

KAHULUI HARBOR, MAUI, HI

Section Included: Port of Kahului. Controlling Depth: 34.0 feet. Project Depth: 35 feet.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
2007	5,630	2010	2,114	2013	3,669	<b>2016</b>	<b>3,858</b>
2008	3,958	2011	3,504	2014	3,739		
2009	2,139	2012	4,711	2015	3,720		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Foreign	Domestic			
		Inbound	Total	Coastwise		Internal
				Receipts	Shipments	Shipments
<b>Total, all commodities</b>	<b>3,858</b>	<b>21</b>	<b>3,837</b>	<b>2,375</b>	<b>1,453</b>	<b>9</b>
<b>Total petroleum and petroleum products</b>	<b>410</b>	<b>21</b>	<b>389</b>	<b>388</b>	<b>1</b>	<b>---</b>
<b>Subtotal petroleum products</b>	<b>410</b>	<b>21</b>	<b>389</b>	<b>388</b>	<b>1</b>	<b>---</b>
2211 gasoline	74	---	74	74	---	---
2221 kerosene	105	---	105	105	---	---
2330 distillate fuel oil	160	---	160	160	---	---
2340 residual fuel oil	45	---	45	45	---	---
2350 lube oil & greases	0	---	0	0	0	---
2640 hydrocarbon & petrol gases, liquefied and gaseous	25	21	4	4	1	---
2990 petro. products nec	0	---	0	0	0	---
<b>Total chemicals and related products</b>	<b>16</b>	<b>---</b>	<b>16</b>	<b>15</b>	<b>0</b>	<b>---</b>
<b>Subtotal fertilizers</b>	<b>2</b>	<b>---</b>	<b>2</b>	<b>2</b>	<b>---</b>	<b>---</b>
3190 fert. & mixes nec	2	---	2	2	---	---
<b>Subtotal other chemicals and related products</b>	<b>14</b>	<b>---</b>	<b>14</b>	<b>13</b>	<b>0</b>	<b>---</b>
3220 alcohols	13	---	13	13	---	---
3282 pigments & paints	0	---	0	0	---	---
3285 perfumes & cleansers	0	---	0	0	0	---
3286 plastics	0	---	0	0	---	---
3291 pesticides	0	---	0	0	---	---
3293 explosives	0	---	0	0	---	---
3299 chem. products nec	1	---	1	0	0	---
<b>Total crude materials, inedible except fuels</b>	<b>35</b>	<b>---</b>	<b>35</b>	<b>20</b>	<b>14</b>	<b>---</b>
<b>Subtotal forest products, wood and chips</b>	<b>20</b>	<b>---</b>	<b>20</b>	<b>19</b>	<b>1</b>	<b>---</b>
4189 lumber	18	---	18	18	0	---
4190 forest products nec	2	---	2	1	0	---
<b>Subtotal pulp and waste paper</b>	<b>8</b>	<b>---</b>	<b>8</b>	<b>0</b>	<b>8</b>	<b>---</b>
4225 pulp & waste paper	8	---	8	0	8	---
<b>Subtotal iron ore and scrap</b>	<b>7</b>	<b>---</b>	<b>7</b>	<b>1</b>	<b>6</b>	<b>---</b>
4420 iron & steel scrap	7	---	7	1	6	---
<b>Total primary manufactured goods</b>	<b>68</b>	<b>---</b>	<b>68</b>	<b>63</b>	<b>5</b>	<b>---</b>
<b>Subtotal paper products</b>	<b>4</b>	<b>---</b>	<b>4</b>	<b>4</b>	<b>0</b>	<b>---</b>
5190 paper products nec	4	---	4	4	0	---
<b>Subtotal lime, cement and glass</b>	<b>53</b>	<b>---</b>	<b>53</b>	<b>53</b>	<b>0</b>	<b>---</b>
5220 cement & concrete	51	---	51	51	---	---
5240 glass & glass prod.	0	---	0	0	0	---
5290 misc. mineral prod.	2	---	2	2	0	---
<b>Subtotal primary iron and steel products</b>	<b>2</b>	<b>---</b>	<b>2</b>	<b>2</b>	<b>1</b>	<b>---</b>
5360 i&s bars & shapes	2	---	2	1	1	---
5370 i&s pipe & tube	1	---	1	1	---	---
<b>Subtotal primary non-ferrous metal products</b>	<b>9</b>	<b>---</b>	<b>9</b>	<b>5</b>	<b>4</b>	<b>---</b>
5480 fab. metal products	9	---	9	5	4	---
<b>Subtotal primary wood products</b>	<b>1</b>	<b>---</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>---</b>
5540 primary wood prod.	1	---	1	1	0	---
<b>Total food and farm products</b>	<b>313</b>	<b>---</b>	<b>313</b>	<b>113</b>	<b>191</b>	<b>9</b>
<b>Subtotal grain</b>	<b>2</b>	<b>---</b>	<b>2</b>	<b>2</b>	<b>---</b>	<b>---</b>
6442 rice	2	---	2	2	---	---
<b>Subtotal vegetable products</b>	<b>13</b>	<b>---</b>	<b>13</b>	<b>12</b>	<b>1</b>	<b>---</b>
6654 vegetables & prod.	13	---	13	12	1	---
<b>Subtotal processed grain and animal feed</b>	<b>5</b>	<b>---</b>	<b>5</b>	<b>5</b>	<b>0</b>	<b>---</b>
6747 grain mill products	0	---	0	0	---	---
6781 hay & fodder	2	---	2	2	---	---
6782 animal feed, prep.	4	---	4	4	0	---
<b>Subtotal other agricultural products</b>	<b>293</b>	<b>---</b>	<b>293</b>	<b>93</b>	<b>190</b>	<b>9</b>
6811 meat, fresh, frozen	1	---	1	1	---	---
6839 animals & prod. nec	2	---	2	1	2	---
6861 sugar	115	---	115	---	115	---
6865 molasses	68	---	68	---	59	9
6871 coffee	0	---	0	---	0	---
6885 alcoholic beverages	30	---	30	28	2	---
6887 groceries	11	---	11	8	4	---
6889 food products nec	60	---	60	52	8	---
6899 farm products nec	4	---	4	4	---	---
<b>Total all manufactured equipment, machinery and products</b>	<b>3,016</b>	<b>---</b>	<b>3,016</b>	<b>1,775</b>	<b>1,241</b>	<b>---</b>
7110 machinery (not elec)	2	---	2	2	0	---
7120 electrical machinery	3	---	3	1	2	---
7210 vehicles & parts	165	---	165	97	69	---
7230 ships & boats	1	---	1	1	0	---
7400 manufac. wood prod.	46	---	46	34	12	---
7500 textile products	0	---	0	0	---	---
7600 rubber & plastic pr.	1	---	1	0	1	---
7900 manufac. prod. nec	2,799	---	2,799	1,641	1,158	---

BARBERS POINT HARBOR, OAHU, HI

Section Included: Barbers Point Harbor. Controlling Depth: 42 feet in the entrance channel and 37 feet in the main access channel and basin. Projects Depth: 42 feet in the entrance channel; 38 feet in the deep-draft harbor main access channel and basin; 21 feet in light-draft harbor basin. Deep draft anchorage (foreign and pipeline).

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
2007	11,295	2010	9,171	2013	8,671	<b>2016</b>	<b>10,226</b>
2008	10,137	2011	9,800	2014	10,058		
2009	9,670	2012	10,046	2015	10,570		

Prior to CY2006, crude oil imports offloading to the pipeline at Barbers Point were incorrectly credited to Honolulu Harbor. All years in the Comparative Statement of Traffic have been updated.

Freight Traffic, 2016 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Inbound	Outbound	Inbound	Outbound
<b>Total, all commodities</b>	<b>7,246</b>	<b>5,914</b>	<b>694</b>	<b>569</b>	<b>68</b>
<b>Total coal</b>	<b>841</b>	<b>661</b>	<b>—</b>	<b>180</b>	<b>—</b>
1100 coal & lignite	841	661	—	180	—
<b>Total petroleum and petroleum products</b>	<b>5,745</b>	<b>4,841</b>	<b>602</b>	<b>234</b>	<b>68</b>
<b>Subtotal crude petroleum</b>	<b>4,756</b>	<b>4,756</b>	<b>—</b>	<b>—</b>	<b>—</b>
2100 crude petroleum	4,756	4,756	—	—	—
<b>Subtotal petroleum products</b>	<b>989</b>	<b>85</b>	<b>602</b>	<b>234</b>	<b>68</b>
2211 gasoline	77	—	20	—	57
2221 kerosene	31	27	—	4	—
2330 distillate fuel oil	737	8	491	230	8
2429 naphtha & solvents	35	—	32	—	4
2430 asphalt, tar & pitch	60	—	60	—	—
2540 petroleum coke	44	44	—	—	—
2640 hydrocarbon & petrol gases, liquefied and gaseous	6	6	—	—	—
<b>Total crude materials, inedible except fuels</b>	<b>259</b>	<b>12</b>	<b>92</b>	<b>155</b>	<b>—</b>
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>155</b>	<b>0</b>	<b>—</b>	<b>155</b>	<b>—</b>
4331 sand & gravel	155	0	—	155	—
<b>Subtotal iron ore and scrap</b>	<b>92</b>	<b>—</b>	<b>92</b>	<b>—</b>	<b>—</b>
4420 iron & steel scrap	92	—	92	—	—
<b>Subtotal slag</b>	<b>12</b>	<b>12</b>	<b>—</b>	<b>—</b>	<b>—</b>
4860 slag	12	12	—	—	—
<b>Total primary manufactured goods</b>	<b>384</b>	<b>384</b>	<b>—</b>	<b>—</b>	<b>—</b>
<b>Subtotal lime, cement and glass</b>	<b>380</b>	<b>380</b>	<b>—</b>	<b>—</b>	<b>—</b>
5220 cement & concrete	380	380	—	—	—
<b>Subtotal primary iron and steel products</b>	<b>3</b>	<b>3</b>	<b>—</b>	<b>—</b>	<b>—</b>
5360 i&s bars & shapes	3	3	—	—	—
<b>Total food and farm products</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>
<b>Subtotal other agricultural products</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>
6811 meat, fresh, frozen	0	0	—	—	—
6885 alcoholic beverages	0	0	—	—	—
6889 food products nec	0	0	—	—	—
<b>Total all manufactured equipment, machinery and products</b>	<b>17</b>	<b>17</b>	<b>—</b>	<b>0</b>	<b>—</b>
7110 machinery (not elec)	0	0	—	—	—
7120 electrical machinery	0	—	—	0	—
7210 vehicles & parts	0	0	—	—	—
7900 manufac. prod. nec	17	17	—	—	—
<b>Total unknown or not elsewhere classified</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>
9900 unknown or nec	0	0	—	—	—

Commodity	Total	Domestic			
		Coastwise		Internal	
		Receipts	Shipments	Intra	
				Upbound	Downbnd
<b>Total, all commodities</b>	<b>2,980</b>	<b>1,707</b>	<b>1,250</b>	<b>2</b>	<b>20</b>
<b>Total petroleum and petroleum products</b>	<b>2,612</b>	<b>1,491</b>	<b>1,099</b>	<b>2</b>	<b>20</b>
<b>Subtotal crude petroleum</b>	<b>1,456</b>	<b>1,456</b>	<b>—</b>	<b>—</b>	<b>—</b>
2100 crude petroleum	1,456	1,456	—	—	—
<b>Subtotal petroleum products</b>	<b>1,156</b>	<b>35</b>	<b>1,099</b>	<b>2</b>	<b>20</b>
2211 gasoline	—	—	269	—	—
2221 kerosene	258	—	258	—	—
2330 distillate fuel oil	391	—	381	—	10
2340 residual fuel oil	216	19	189	—	8
2640 hydrocarbon & petrol gases, liquefied and gaseous	21	16	1	2	2
<b>Total chemicals and related products</b>	<b>95</b>	<b>64</b>	<b>31</b>	<b>—</b>	<b>—</b>
<b>Subtotal other chemicals and related products</b>	<b>95</b>	<b>64</b>	<b>31</b>	<b>—</b>	<b>—</b>
3220 alcohols	95	64	31	—	—
<b>Total crude materials, inedible except fuels</b>	<b>3</b>	<b>3</b>	<b>—</b>	<b>—</b>	<b>—</b>
<b>Subtotal forest products, wood and chips</b>	<b>3</b>	<b>3</b>	<b>—</b>	<b>—</b>	<b>—</b>
4189 lumber	3	3	—	—	—
<b>Total primary manufactured goods</b>	<b>123</b>	<b>2</b>	<b>121</b>	<b>—</b>	<b>—</b>
<b>Subtotal paper products</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>
5120 paper & paperboard	0	0	—	—	—
<b>Subtotal lime, cement and glass</b>	<b>121</b>	<b>0</b>	<b>121</b>	<b>—</b>	<b>—</b>
5220 cement & concrete	121	—	121	—	—
5290 misc. mineral prod.	0	0	—	—	—
<b>Subtotal primary non-ferrous metal products</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>
5480 fab. metal products	0	0	—	—	—
<b>Subtotal primary wood products</b>	<b>2</b>	<b>2</b>	<b>—</b>	<b>—</b>	<b>—</b>
5540 primary wood prod.	2	2	—	—	—



BARBERS POINT HARBOR, OAHU, HI  
Freight Traffic, 2016 - continued  
(thousand short tons)

Commodity	Total	Domestic			
		Coastwise		Internal	
		Receipts	Shipments	Upbound	Downbnd
<b>Total all manufactured equipment, machinery and products</b>	<b>147</b>	<b>147</b>	---	---	---
7400 manufac. wood prod.	0	0	---	---	---
7900 manufac. prod. nec	147	147	---	---	---

**Tons All Traffic (x1000)** **10,226**  
**Total Trip-ton-miles Internal and Intraport (x1000)** **22**

HONOLULU HARBOR, OAHU, HI

Section Included: Port of Honolulu. Controlling Depth: 45.0 feet in the entrance channel; 40.0 feet in the main harbor basin; 40.0 feet in Kapalama Basin; 40.0 feet in the connecting channel. Project Depth; 45.0 feet in the entrance channel; 40.0 feet in harbor basin, connecting channel; 23.0 feet in Kalihi Channel.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
2007	17,582	2010	8,903	2013	14,274	<b>2016</b>	<b>13,727</b>
2008	14,006	2011	12,658	2014	14,613		
2009	9,161	2012	14,321	2015	13,832		

Prior to CY2006, crude oil imports offloading to the pipeline at Barbers Point were incorrectly credited to Honolulu Harbor. All years in the Comparative Statement of Traffic have been updated.

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic		
		Inbound	Outbound	Inbound	Outbound	Total	Coastwise	
							Receipts	Shipments
<b>Total, all commodities</b>	<b>13,727</b>	<b>865</b>	<b>289</b>	<b>115</b>	<b>39</b>	<b>12,419</b>	<b>6,196</b>	<b>6,223</b>
<b>Total petroleum and petroleum products</b>	<b>1,086</b>	<b>602</b>	<b>156</b>	<b>115</b>	<b>39</b>	<b>174</b>	<b>84</b>	<b>90</b>
<b>Subtotal petroleum products</b>	<b>1,086</b>	<b>602</b>	<b>156</b>	<b>115</b>	<b>39</b>	<b>174</b>	<b>84</b>	<b>90</b>
2211 gasoline	49	---	---	---	34	15	---	15
2221 kerosene	610	596	---	---	---	14	3	11
2330 distillate fuel oil	291	6	108	115	5	58	28	30
2340 residual fuel oil	42	---	---	---	---	42	40	2
2350 lube oil & greases	5	---	---	---	---	5	3	1
2429 naphtha & solvents	53	---	48	---	---	5	---	5
2430 asphalt, tar & pitch	1	---	---	---	---	1	1	0
2540 petroleum coke	0	0	---	---	---	---	---	---
2640 hydrocarbon & petrol gases, liquefied and gaseous	28	0	---	---	---	28	4	24
2990 petro. products nec	6	---	---	---	---	6	4	2
<b>Total chemicals and related products</b>	<b>193</b>	<b>13</b>	<b>31</b>	<b>---</b>	<b>---</b>	<b>149</b>	<b>112</b>	<b>37</b>
<b>Subtotal fertilizers</b>	<b>45</b>	<b>2</b>	<b>0</b>	<b>---</b>	<b>---</b>	<b>43</b>	<b>25</b>	<b>18</b>
3110 nitrogenous fert.	0	0	---	---	---	---	---	---
3130 potassic fert.	0	0	---	---	---	---	---	---
3190 fert. & mixes nec	44	1	0	---	---	43	25	18
<b>Subtotal other chemicals and related products</b>	<b>148</b>	<b>11</b>	<b>31</b>	<b>---</b>	<b>---</b>	<b>106</b>	<b>87</b>	<b>19</b>
3220 alcohols	74	0	---	---	---	74	64	10
3230 carboxylic acids	0	0	---	---	---	---	---	---
3240 nitrogen func. comp.	0	0	---	---	---	---	---	---
3250 organo - inorg. comp.	0	0	---	---	---	---	---	---
3260 organic comp. nec	0	0	---	---	---	---	---	---
3274 sodium hydroxide	0	0	---	---	---	---	---	---
3275 inorg. elem., oxides, & halogen salts	0	0	---	---	---	---	---	---
3276 metallic salts	2	2	---	---	---	---	---	---
3281 radioactive material	0	0	---	---	---	---	---	---
3282 pigments & paints	5	0	---	---	---	4	4	1
3284 medicines	0	0	---	---	---	0	0	---
3285 perfumes & cleansers	33	0	28	---	---	5	5	0
3286 plastics	8	5	3	---	---	0	0	0
3291 pesticides	0	0	0	---	---	0	0	0
3292 starches, gluten, glue	1	1	---	---	---	---	---	---
3293 explosives	0	0	---	---	---	0	---	0
3297 chemical additives	0	0	---	---	---	---	---	---
3299 chem. products nec	23	1	0	---	---	22	14	8
<b>Total crude materials, inedible except fuels</b>	<b>353</b>	<b>47</b>	<b>61</b>	<b>---</b>	<b>---</b>	<b>246</b>	<b>172</b>	<b>73</b>
<b>Subtotal forest products, wood and chips</b>	<b>176</b>	<b>3</b>	<b>0</b>	<b>---</b>	<b>---</b>	<b>173</b>	<b>111</b>	<b>61</b>
4150 fuel wood	0	0	---	---	---	---	---	---
4170 wood in the rough	0	0	---	---	---	---	---	---
4189 lumber	157	3	0	---	---	154	97	57
4190 forest products nec	20	0	---	---	---	19	15	4
<b>Subtotal pulp and waste paper</b>	<b>62</b>	<b>0</b>	<b>40</b>	<b>---</b>	<b>---</b>	<b>21</b>	<b>21</b>	<b>---</b>
4225 pulp & waste paper	62	0	40	---	---	21	21	---
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>25</b>	<b>5</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>20</b>	<b>20</b>	<b>0</b>
4310 building stone	3	3	---	---	---	---	---	---
4322 limestone	0	0	---	---	---	---	---	---
4331 sand & gravel	22	2	---	---	---	20	20	---

HONOLULU HARBOR, OAHU, HI  
 Freight Traffic, 2016 - continued  
 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic		
		Inbound	Outbound	Inbound	Outbound	Total	Coastwise	
							Receipts	Shipments
4338 soil & fill dirt	0	—	—	—	—	0	0	0
<b>Subtotal iron ore and scrap</b>	<b>45</b>	<b>0</b>	<b>14</b>	—	—	<b>31</b>	<b>19</b>	<b>12</b>
4420 iron & steel scrap	45	0	14	—	—	31	19	12
<b>Subtotal marine shells</b>	<b>0</b>	<b>0</b>	—	—	—	—	—	—
4515 marine shells	0	0	—	—	—	—	—	—
<b>Subtotal non-ferrous ores and scrap</b>	<b>39</b>	<b>37</b>	<b>2</b>	—	—	—	—	—
4630 copper ore	13	13	—	—	—	—	—	—
4680 non-ferrous scrap	2	—	2	—	—	—	—	—
4690 non-ferrous ores nec	24	24	—	—	—	—	—	—
<b>Subtotal sulphur, clay and salt</b>	<b>6</b>	<b>0</b>	<b>5</b>	—	—	<b>0</b>	<b>0</b>	<b>0</b>
4741 sulphur, (dry)	5	—	5	—	—	—	—	—
4782 clay & refrac. mat.	0	0	—	—	—	—	—	—
4783 salt	0	0	—	—	—	0	0	0
<b>Subtotal slag</b>	<b>0</b>	<b>0</b>	—	—	—	—	—	—
4860 slag	0	0	—	—	—	—	—	—
<b>Subtotal other non-metal. min.</b>	<b>0</b>	<b>0</b>	—	—	—	<b>0</b>	<b>0</b>	—
4900 non-metal. min. nec	0	0	—	—	—	0	0	—
<b>Total primary manufactured goods</b>	<b>300</b>	<b>45</b>	<b>5</b>	<b>0</b>	—	<b>250</b>	<b>199</b>	<b>51</b>
<b>Subtotal paper products</b>	<b>86</b>	<b>12</b>	<b>3</b>	—	—	<b>71</b>	<b>58</b>	<b>14</b>
5110 newsprint	0	0	—	—	—	—	—	—
5120 paper & paperboard	12	5	1	—	—	6	6	—
5190 paper products nec	74	7	2	—	—	65	52	14
<b>Subtotal lime, cement and glass</b>	<b>63</b>	<b>19</b>	<b>1</b>	—	—	<b>43</b>	<b>34</b>	<b>9</b>
5220 cement & concrete	0	—	—	—	—	0	0	0
5240 glass & glass prod.	3	2	0	—	—	1	1	0
5290 misc. mineral prod.	59	17	1	—	—	42	33	9
<b>Subtotal primary iron and steel products</b>	<b>22</b>	<b>3</b>	<b>0</b>	—	—	<b>18</b>	<b>13</b>	<b>6</b>
5320 i&s primary forms	0	0	0	—	—	—	—	—
5330 i&s plates & sheets	0	0	—	—	—	—	—	—
5360 i&s bars & shapes	7	2	0	—	—	4	1	4
5370 i&s pipe & tube	14	0	0	—	—	14	12	2
5390 primary i&s nec	0	0	—	—	—	—	—	—
<b>Subtotal primary non-ferrous metal products</b>	<b>109</b>	<b>9</b>	<b>2</b>	<b>0</b>	—	<b>99</b>	<b>78</b>	<b>21</b>
5421 copper	0	0	0	—	—	—	—	—
5422 aluminum	0	0	0	—	—	—	—	—
5429 smelted prod. nec	1	0	1	—	—	—	—	—
5480 fab. metal products	107	8	0	0	—	99	78	21
<b>Subtotal primary wood products</b>	<b>20</b>	<b>2</b>	—	—	—	<b>18</b>	<b>16</b>	<b>2</b>
5540 primary wood prod.	20	2	—	—	—	18	16	2
<b>Total food and farm products</b>	<b>1,761</b>	<b>58</b>	<b>15</b>	—	—	<b>1,689</b>	<b>1,221</b>	<b>468</b>
<b>Subtotal fish</b>	<b>4</b>	<b>4</b>	<b>0</b>	—	—	<b>0</b>	<b>0</b>	<b>0</b>
6134 fish (not shellfish)	3	3	0	—	—	0	0	0
6136 shellfish	1	1	—	—	—	—	—	—
<b>Subtotal grain</b>	<b>53</b>	<b>4</b>	<b>0</b>	—	—	<b>49</b>	<b>38</b>	<b>11</b>
6344 corn	0	—	0	—	—	—	—	—
6442 rice	53	4	—	—	—	49	38	11
6443 barley & rye	0	—	0	—	—	—	—	—
<b>Subtotal oilseeds</b>	<b>1</b>	<b>1</b>	—	—	—	—	—	—
6522 soybeans	1	1	—	—	—	—	—	—
6590 oilseeds nec	0	0	—	—	—	—	—	—
<b>Subtotal vegetable products</b>	<b>148</b>	<b>7</b>	<b>0</b>	—	—	<b>140</b>	<b>104</b>	<b>37</b>
6653 vegetable oils	1	1	0	—	—	—	—	—
6654 vegetables & prod.	147	7	0	—	—	140	104	37
<b>Subtotal processed grain and animal feed</b>	<b>68</b>	<b>5</b>	<b>0</b>	—	—	<b>63</b>	<b>39</b>	<b>24</b>
6746 wheat flour	0	0	—	—	—	—	—	—
6747 grain mill products	5	4	0	—	—	1	1	1
6781 hay & fodder	12	—	—	—	—	12	8	5
6782 animal feed, prep.	50	0	0	—	—	50	31	19
<b>Subtotal other agricultural products</b>	<b>1,487</b>	<b>37</b>	<b>15</b>	—	—	<b>1,436</b>	<b>1,040</b>	<b>396</b>
6811 meat, fresh, frozen	50	4	1	—	—	44	35	9
6817 meat, prepared	1	1	0	—	—	—	—	—
6822 dairy products	51	0	0	—	—	51	51	0
6835 fish, prepared	1	1	—	—	—	—	—	—
6838 tallow, animal oils	0	—	0	—	—	—	—	—
6839 animals & prod. nec	21	1	—	—	—	20	8	11
6856 bananas & plantains	4	0	0	—	—	3	3	—
6857 fruit & nuts nec	12	3	3	—	—	7	—	7
6858 fruit juices	5	4	1	—	—	0	0	—
6861 sugar	0	0	0	—	—	0	0	0
6865 molasses	34	—	—	—	—	34	34	—
6871 coffee	2	0	0	—	—	2	1	1
6885 alcoholic beverages	238	5	0	—	—	233	158	74
6887 groceries	51	—	—	—	—	51	28	23
6888 water & ice	12	4	9	—	—	—	—	—
6889 food products nec	969	15	1	—	—	954	695	259
6891 tobacco & products	1	0	—	—	—	1	1	0
6893 cotton	0	0	—	—	—	—	—	—
6894 natural fibers nec	0	0	0	—	—	—	—	—
6899 farm products nec	37	0	0	—	—	36	25	11
<b>Total all manufactured equipment, machinery and products</b>	<b>10,003</b>	<b>86</b>	<b>15</b>	<b>0</b>	—	<b>9,901</b>	<b>4,400</b>	<b>5,501</b>
7110 machinery (not elec)	97	4	1	0	—	91	64	27
7120 electrical machinery	41	11	1	0	—	29	19	10

HONOLULU HARBOR, OAHU, HI  
 Freight Traffic, 2016 - continued  
 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic		
		Inbound	Outbound	Inbound	Outbound	Total	Coastwise	
							Receipts	Shipments
7210 vehicles & parts	690	21	0	—	—	668	283	385
7220 aircraft & parts	0	0	—	—	—	0	0	0
7230 ships & boats	4	1	0	—	—	3	2	2
7400 manufac. wood prod.	521	2	0	—	—	519	340	180
7500 textile products	7	6	1	—	—	0	0	0
7600 rubber & plastic pr.	31	10	11	—	—	10	8	2
7900 manufac. prod. nec	8,612	32	1	—	—	8,580	3,684	4,896
<b>Total waste and scrap nec</b>	<b>1</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>1</b>	<b>0</b>	<b>1</b>
8900 waste and scrap nec	1	—	—	—	—	1	0	1
<b>Total unknown or not elsewhere classified</b>	<b>31</b>	<b>16</b>	<b>5</b>	<b>—</b>	<b>—</b>	<b>10</b>	<b>9</b>	<b>1</b>
9900 unknown or nec	31	16	5	—	—	10	9	1

NAWILIWILI HARBOR, KAUAI, HI

Section Included: Port of Nawiliwili. Controlling Depth: 41.0 feet in the outer channel; 41.0 feet in the inner channel; 34.0 feet in the harbor basin.  
 Project Depth: 40 feet in the channel; 35 feet in the harbor basin.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
2007	2,333	2010	877	2013	1,710	<b>2016</b>	<b>2,048</b>
2008	1,680	2011	1,667	2014	1,874		
2009	951	2012	1,947	2015	1,929		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Foreign Inbound	Domestic		
			Total	Coastwise	
				Receipts	Shipments
<b>Total, all commodities</b>	<b>2,048</b>	<b>12</b>	<b>2,036</b>	<b>1,357</b>	<b>679</b>
<b>Total petroleum and petroleum products</b>	<b>195</b>	<b>12</b>	<b>183</b>	<b>183</b>	<b>0</b>
<b>Subtotal petroleum products</b>	<b>195</b>	<b>12</b>	<b>183</b>	<b>183</b>	<b>0</b>
2211 gasoline	42	—	42	42	—
2221 kerosene	94	—	94	94	—
2330 distillate fuel oil	40	—	40	40	—
2350 lube oil & greases	0	—	0	0	0
2429 naphtha & solvents	2	—	2	2	—
2640 hydrocarbon & petrol gases, liquefied and gaseous	16	12	4	4	—
2990 petro. products nec	0	—	0	0	—
<b>Total chemicals and related products</b>	<b>10</b>	<b>—</b>	<b>10</b>	<b>10</b>	<b>1</b>
<b>Subtotal fertilizers</b>	<b>3</b>	<b>—</b>	<b>3</b>	<b>3</b>	<b>0</b>
3190 fert. & mixes nec	3	—	3	3	0
<b>Subtotal other chemicals and related products</b>	<b>8</b>	<b>—</b>	<b>8</b>	<b>7</b>	<b>0</b>
3220 alcohols	7	—	7	7	—
3285 perfumes & cleansers	0	—	0	0	—
3286 plastics	0	—	0	0	—
3293 explosives	0	—	0	0	—
3299 chem. products nec	1	—	1	0	0
<b>Total crude materials, inedible except fuels</b>	<b>15</b>	<b>—</b>	<b>15</b>	<b>9</b>	<b>6</b>
<b>Subtotal forest products, wood and chips</b>	<b>9</b>	<b>—</b>	<b>9</b>	<b>9</b>	<b>0</b>
4189 lumber	8	—	8	8	0
4190 forest products nec	1	—	1	1	—
<b>Subtotal pulp and waste paper</b>	<b>5</b>	<b>—</b>	<b>5</b>	<b>—</b>	<b>5</b>
4225 pulp & waste paper	5	—	5	—	5
<b>Subtotal iron ore and scrap</b>	<b>1</b>	<b>—</b>	<b>1</b>	<b>1</b>	<b>1</b>
4420 iron & steel scrap	1	—	1	1	1
<b>Total primary manufactured goods</b>	<b>28</b>	<b>—</b>	<b>28</b>	<b>24</b>	<b>4</b>
<b>Subtotal paper products</b>	<b>1</b>	<b>—</b>	<b>1</b>	<b>1</b>	<b>0</b>
5190 paper products nec	1	—	1	1	0
<b>Subtotal lime, cement and glass</b>	<b>20</b>	<b>—</b>	<b>20</b>	<b>20</b>	<b>0</b>
5220 cement & concrete	17	—	17	17	—
5240 glass & glass prod.	0	—	0	0	0
5290 misc. mineral prod.	2	—	2	2	0
<b>Subtotal primary iron and steel products</b>	<b>2</b>	<b>—</b>	<b>2</b>	<b>2</b>	<b>0</b>
5360 i&s bars & shapes	1	—	1	1	0
5370 i&s pipe & tube	0	—	0	0	0
<b>Subtotal primary non-ferrous metal products</b>	<b>5</b>	<b>—</b>	<b>5</b>	<b>2</b>	<b>4</b>
5480 fab. metal products	5	—	5	2	4
<b>Subtotal primary wood products</b>	<b>0</b>	<b>—</b>	<b>0</b>	<b>0</b>	<b>0</b>
5540 primary wood prod.	0	—	0	0	0
<b>Total food and farm products</b>	<b>41</b>	<b>—</b>	<b>41</b>	<b>35</b>	<b>6</b>
<b>Subtotal fish</b>	<b>0</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>0</b>
6134 fish (not shellfish)	0	—	0	—	0
<b>Subtotal grain</b>	<b>0</b>	<b>—</b>	<b>0</b>	<b>0</b>	<b>—</b>
6442 rice	0	—	0	0	—
<b>Subtotal vegetable products</b>	<b>1</b>	<b>—</b>	<b>1</b>	<b>1</b>	<b>0</b>
6654 vegetables & prod.	1	—	1	1	0
<b>Subtotal processed grain and animal feed</b>	<b>2</b>	<b>—</b>	<b>2</b>	<b>1</b>	<b>0</b>
6781 hay & fodder	0	—	0	0	—
6782 animal feed, prep.	2	—	2	1	0
<b>Subtotal other agricultural products</b>	<b>38</b>	<b>—</b>	<b>38</b>	<b>32</b>	<b>6</b>
6811 meat, fresh, frozen	0	—	0	0	—
6839 animals & prod. nec	2	—	2	1	1

NAWILIWILI HARBOR, KAUAI, HI  
Freight Traffic, 2016 - continued  
(thousand short tons)

Commodity	Grand Total	Foreign Inbound	Domestic		
			Total	Coastwise	
				Receipts	Shipments
6865 molasses	2	—	2	—	2
6885 alcoholic beverages	11	—	11	11	0
6887 groceries	7	—	7	5	2
6889 food products nec	14	—	14	13	1
6899 farm products nec	1	—	1	1	—
<b>Total all manufactured equipment, machinery and products</b>	<b>1,759</b>	<b>—</b>	<b>1,759</b>	<b>1,096</b>	<b>663</b>
7110 machinery (not elec)	1	—	1	1	0
7120 electrical machinery	1	—	1	1	0
7210 vehicles & parts	128	—	128	85	43
7230 ships & boats	0	—	0	0	0
7400 manufac. wood prod.	18	—	18	12	6
7500 textile products	0	—	0	0	—
7600 rubber & plastic pr.	0	—	0	0	0
7900 manufac. prod. nec	1,610	—	1,610	996	613

Other Harbors and Waterways 2016

Harbor or Waterway	Commodity	Thousand Short Tons
Project		
HANA HARBOR, MAUI, HI	No Commerce Reported	
KAILUA HARBOR, OAHU, HI	No Commerce Reported	
KALAUPAPA HARBOR, MOLOKAI, HI	No Commerce Reported	
KAUNAKAKAI HARBOR, MOLOKAI, HI	2330 distillate fuel oil	8
	<b>Total Tons(x1000)</b>	<b>8</b>
PORT ALLEN HARBOR, KAUAI, HI	2211 gasoline	6
	2221 kerosene	2
	<b>Total Tons(x1000)</b>	<b>8</b>
WAKE ISLAND HARBOR, WAKE ISLAND	No Commerce Reported	
WELLS HARBOR, MIDWAY ISLAND	No Commerce Reported	

COLUMBIA RIVER AND TRIBUTARIES ABOVE McNARY LOCK AND DAM TO KENNEWICK, WA

Section Included: Columbia River and Tributaries, McNary Lock and Dam to Kennewick, WA. Controlling Depth: 20 feet. Project Depth: 14 feet.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
2007	6,889	2010	5,503	2013	5,761	<b>2016</b>	<b>4,999</b>
2008	4,871	2011	5,244	2014	6,014		
2009	5,725	2012	5,787	2015	5,025		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Internal				
		Inbound	Outbound		Through	
		Upbound	Upbound	Downbnd	Upbound	Downbnd
<b>Total, all commodities</b>	<b>4,999</b>	<b>265</b>	<b>5</b>	<b>1,336</b>	<b>983</b>	<b>2,411</b>
<b>Total petroleum and petroleum products</b>	<b>1,101</b>	<b>223</b>	<b>—</b>	<b>—</b>	<b>872</b>	<b>6</b>
<b>Subtotal petroleum products</b>	<b>1,101</b>	<b>223</b>	<b>—</b>	<b>—</b>	<b>872</b>	<b>6</b>
2211 gasoline	388	—	—	—	388	—
2221 kerosene	68	—	—	—	68	—
2330 distillate fuel oil	645	223	—	—	416	6
<b>Total chemicals and related products</b>	<b>156</b>	<b>38</b>	<b>5</b>	<b>—</b>	<b>53</b>	<b>60</b>
<b>Subtotal fertilizers</b>	<b>96</b>	<b>38</b>	<b>5</b>	<b>—</b>	<b>53</b>	<b>—</b>
3190 fert. & mixes nec	96	38	5	—	53	—
<b>Subtotal other chemicals and related products</b>	<b>60</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>60</b>
3220 alcohols	60	—	—	—	—	60
<b>Total crude materials, inedible except fuels</b>	<b>193</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>42</b>	<b>151</b>
<b>Subtotal forest products, wood and chips</b>	<b>140</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>42</b>	<b>98</b>
4150 fuel wood	14	—	—	—	14	—
4161 wood chips	126	—	—	—	28	98
<b>Subtotal iron ore and scrap</b>	<b>53</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>53</b>
4420 iron & steel scrap	53	—	—	—	—	53
<b>Total food and farm products</b>	<b>3,548</b>	<b>4</b>	<b>—</b>	<b>1,336</b>	<b>16</b>	<b>2,193</b>
<b>Subtotal grain</b>	<b>3,548</b>	<b>4</b>	<b>—</b>	<b>1,336</b>	<b>16</b>	<b>2,193</b>
6241 wheat	3,548	4	—	1,336	16	2,193
<b>Ton-miles (x1000)</b>	<b>155,624</b>	<b>2,485</b>	<b>10</b>	<b>34,347</b>	<b>34,410</b>	<b>84,372</b>

Tons All Traffic (x1000) 4,999  
 Ton-miles All Traffic (x1000) 155,624  
 Total Trip-ton-miles Internal and Intraport (x1000) 1,489,597

SNAKE RIVER, OR, WA AND ID

Section Included: Mouth of Snake River to Johnson Bar Landing. Controlling Depth: 14 feet from mouth to Ice Harbor Lock Approach Channel; 14 feet in Ice Harbor Approach Channel; 14 feet within Ice Harbor pool; 14 feet in Lower Monumental approach channel; 14 feet within lower monumental pool; 14 feet in Little Goose Approach Channel; 14 feet within Little Goose Pool; 14 feet in Lower Granite Approach Channel; 14 feet within Lower Granite Pool; about 3 feet from head of Lower Granite Pool to Johnson Bar Landing. Project Depth: 14 feet from mouth to the Ice Harbor approach channel; 14 feet in Ice Harbor Channel; 14 feet within Ice Harbor pool; 14 feet in Lower Monumental Approach channel; 14 feet within Lower Monumental Pool; 14 feet in Little Goose Approach Channel; 14 feet in Little Goose channel; 14 feet within Little Goose pool; 14 feet in Lower Granite approach channel; 14 feet in Lower Granite Channel; 14 feet within Lower Granite Pool; 2 feet to Johnson Bar Landing.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
2007	5,415	2010	3,384	2013	3,662	<b>2016</b>	<b>3,405</b>
2008	3,701	2011	2,716	2014	4,361		
2009	4,399	2012	3,253	2015	3,638		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Internal			
		Inbound	Outbound	Through	Intra
		Upbound	Downbnd	Downbnd	Downbnd
<b>Total, all commodities</b>	<b>3,405</b>	<b>992</b>	<b>1,809</b>	<b>602</b>	<b>2</b>
<b>Total petroleum and petroleum products</b>	<b>879</b>	<b>872</b>	<b>6</b>	<b>—</b>	<b>—</b>
<b>Subtotal petroleum products</b>	<b>879</b>	<b>872</b>	<b>6</b>	<b>—</b>	<b>—</b>
2211 gasoline	388	388	—	—	—
2221 kerosene	68	68	—	—	—
2330 distillate fuel oil	422	416	6	—	—
<b>Total chemicals and related products</b>	<b>118</b>	<b>58</b>	<b>60</b>	<b>—</b>	<b>—</b>
<b>Subtotal fertilizers</b>	<b>58</b>	<b>58</b>	<b>—</b>	<b>—</b>	<b>—</b>
3190 fert. & mixes nec	58	58	—	—	—
<b>Subtotal other chemicals and related products</b>	<b>60</b>	<b>—</b>	<b>60</b>	<b>—</b>	<b>—</b>
3220 alcohols	60	—	60	—	—
<b>Total crude materials, inedible except fuels</b>	<b>195</b>	<b>42</b>	<b>151</b>	<b>—</b>	<b>2</b>
<b>Subtotal forest products, wood and chips</b>	<b>142</b>	<b>42</b>	<b>98</b>	<b>—</b>	<b>2</b>
4150 fuel wood	14	14	—	—	—
4161 wood chips	129	28	98	—	2
<b>Subtotal iron ore and scrap</b>	<b>53</b>	<b>—</b>	<b>53</b>	<b>—</b>	<b>—</b>
4420 iron & steel scrap	53	—	53	—	—
<b>Total food and farm products</b>	<b>2,213</b>	<b>20</b>	<b>1,592</b>	<b>602</b>	<b>—</b>
<b>Subtotal grain</b>	<b>2,213</b>	<b>20</b>	<b>1,592</b>	<b>602</b>	<b>—</b>
6241 wheat	2,213	20	1,592	602	—
<b>Ton-miles (x1000)</b>	<b>317,354</b>	<b>83,472</b>	<b>146,042</b>	<b>87,837</b>	<b>2</b>

Tons All Traffic (x1000) 3,405  
 Ton-miles All Traffic (x1000) 317,354  
 Total Trip-ton-miles Internal and Intraport (x1000) 1,129,346

TOTAL WATERBORNE COMMERCE, COLUMBIA RIVER BASIN, OR, WA, AND ID

Freight Traffic, 2016  
(thousand short tons)

Locality	*Foreign/Canadian		Domestic				Total	Percent	Through Traffic
	Inbound	Outbound	Coastwise		Internal				
			Receipts	Shipmnts	Receipts Shipmnts	Intraport			
SKAMOKAWA CREEK, WA	---	---	---	---	---	---	---	0.00	---
SNAKE RIVER, OR, WA AND ID	---	---	---	---	2,801	2	2,803	3.92	602
WESTPORT SLOUGH, OR	---	---	---	---	---	---	---	0.00	---
LAKE RIVER, WA	---	---	---	---	---	---	---	0.00	---
COWLITZ RIVER, WA	---	---	---	---	---	---	---	0.00	---
CHINOOK CHANNEL, WA	---	---	---	---	---	---	---	0.00	---
COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW VANCOUV	4,600	42,683	2,242	631	8,632	681	59,469	83.27	1,690
DEEP RIVER, WA	---	---	---	---	---	---	---	0.00	---
OREGON SLOUGH (NORTH PORTLAND HARBOR), OR	137	133	---	---	132	---	402	0.56	---
GRAYS RIVER, WA	---	---	---	---	---	---	---	0.00	---
WILLAMETTE RIVER ABOVE PORTLAND AND YAMHILL RIVER	---	---	---	---	1,147	---	1,147	1.61	---
COLUMBIA RIVER AT BAKERS BAY, WA	---	---	---	---	---	---	---	0.00	---
SKAMOKAWA (STEAMBOAT) SLOUGH, WA	---	---	---	---	---	---	---	0.00	---
ELOKOMIN SLOUGH, WA	---	---	---	---	---	---	---	0.00	---
CLATSKANIE RIVER, OR	---	---	---	---	---	---	---	0.00	---
COLUMBIA RIVER BETWEEN WENATCHEE AND KETTLE FALLS	---	---	---	---	---	---	---	0.00	---
COLUMBIA RIVER AND TRIBUTARIES ABOVE MCNARY LOCK A	---	---	---	---	1,605	---	1,605	2.25	3,394
MULTNOMAH CHANNEL, OR	---	---	---	---	2,130	---	2,130	2.98	---
COLUMBIA RIVER ABOVE THE DALLES DAM, WA AND OR TO	---	---	---	---	2,032	---	2,032	2.85	4,983
COLUMBIA RIVER BETWEEN VANCOUVER, WA AND THE DALLE	---	---	---	---	1,625	170	1,795	2.51	6,705
LEWIS RIVER, WA	---	---	---	---	---	---	---	0.00	---
YOUNGS BAY AND YOUNGS RIVER, OR	---	---	---	---	---	---	---	0.00	---
SKIPANON CHANNEL, OR	---	---	---	---	38	---	38	0.05	---
TOTAL (UNADJUSTED)	4,737	42,815	2,242	631	20,142	854	71,421	---	17,374
PERCENT (UNADJUSTED)	6.63	59.95	3.14	0.88	28.20	1.20	---	100.00	---
NET VOLUME OF TONNAGE FOR THE BASIN**	4,737	42,815	2,242	631	10,372	854	61,651	---	---
PERCENT (ADJUSTED)	7.68	69.45	3.64	1.02	16.82	1.39	---	100.00	---

\* Through traffic not credited as such to total tonnage for Basin, but credited to projects or rivers where shipped or received.

\*\* Adjusted to net volume by excluding duplication of internal traffic moved between the separate waterways of the Basin.

COLUMBIA RIVER ENTRANCE, OR AND WA

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
2007	44,776	2010	44,745	2013	44,295	2016	50,426
2008	44,736	2011	44,073	2014	49,965		
2009	36,171	2012	46,199	2015	44,192		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic		
		Through		Through		Total	Coastwise	
		Upbound	Downbnd	Upbound	Downbnd		Through	
						Upbound	Downbnd	
<b>Total, all commodities</b>	<b>50,426</b>	<b>4,056</b>	<b>42,677</b>	<b>681</b>	<b>138</b>	<b>2,873</b>	<b>2,242</b>	<b>631</b>
<b>Total petroleum and petroleum products</b>	<b>3,313</b>	<b>186</b>	<b>664</b>	<b>129</b>	<b>138</b>	<b>2,196</b>	<b>2,004</b>	<b>191</b>
Subtotal crude petroleum	56	---	---	---	---	56	---	56
2100 crude petroleum	56	---	---	---	---	56	---	56
Subtotal petroleum products	3,256	186	664	129	138	2,139	2,004	135
2211 gasoline	857	---	---	39	---	817	812	5
2221 kerosene	390	---	---	---	---	390	390	---
2330 distillate fuel oil	966	69	---	89	---	808	684	124
2350 lube oil & greases	124	---	---	---	---	124	118	6
2540 petroleum coke	920	117	664	---	138	---	---	---
<b>Total chemicals and related products</b>	<b>6,207</b>	<b>878</b>	<b>5,318</b>	---	---	<b>11</b>	---	<b>11</b>
Subtotal fertilizers	2,081	485	1,596	---	---	---	---	---
3110 nitrogenous fert.	464	464	---	---	---	---	---	---
3130 potassic fert.	1,586	---	1,586	---	---	---	---	---
3190 fert. & mixes nec	32	21	11	---	---	---	---	---

COLUMBIA RIVER ENTRANCE, OR AND WA  
 Freight Traffic, 2016 - continued  
 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic		
		Through		Through		Total	Coastwise	
		Upbound	Downbnd	Upbound	Downbnd		Upbound	Downbnd
<b>Subtotal other chemicals and related products</b>	<b>4,126</b>	<b>394</b>	<b>3,722</b>	---	---	<b>11</b>	---	<b>11</b>
3212 benzene & toluene	64	64	---	---	---	---	---	---
3220 alcohols	104	---	93	---	---	11	---	11
3230 carboxylic acids	13	13	---	---	---	---	---	---
3273 ammonia	29	29	---	---	---	---	---	---
3274 sodium hydroxide	260	260	---	---	---	---	---	---
3275 inorg. elem., oxides, & halogen salts	1	---	1	---	---	---	---	---
3276 metallic salts	3,626	---	3,626	---	---	---	---	---
3279 inorganic chem. nec	15	15	---	---	---	---	---	---
3292 starches, gluten, glue	0	0	---	---	---	---	---	---
3293 explosives	0	---	0	---	---	---	---	---
3299 chem. products nec	14	12	2	---	---	0	---	0
<b>Total crude materials, inedible except fuels</b>	<b>5,794</b>	<b>825</b>	<b>3,963</b>	<b>489</b>	---	<b>517</b>	<b>238</b>	<b>280</b>
<b>Subtotal forest products, wood and chips</b>	<b>3,438</b>	---	<b>2,921</b>	---	---	<b>517</b>	<b>238</b>	<b>280</b>
4110 rubber & gums	0	---	0	---	---	---	---	---
4161 wood chips	229	---	---	---	---	229	229	---
4170 wood in the rough	2,704	---	2,704	---	---	---	---	---
4189 lumber	504	---	217	---	---	288	8	280
<b>Subtotal pulp and waste paper</b>	<b>56</b>	<b>8</b>	<b>48</b>	---	---	---	---	---
4225 pulp & waste paper	56	8	48	---	---	---	---	---
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>963</b>	<b>474</b>	<b>0</b>	<b>489</b>	---	---	---	---
4310 building stone	9	9	---	---	---	---	---	---
4322 limestone	489	---	---	489	---	---	---	---
4323 gypsum	465	465	---	---	---	---	---	---
4331 sand & gravel	0	---	0	---	---	---	---	---
<b>Subtotal iron ore and scrap</b>	<b>598</b>	<b>41</b>	<b>557</b>	---	---	---	---	---
4410 iron ore	40	40	---	---	---	---	---	---
4420 iron & steel scrap	557	1	557	---	---	---	---	---
<b>Subtotal non-ferrous ores and scrap</b>	<b>242</b>	---	<b>242</b>	---	---	---	---	---
4630 copper ore	241	---	241	---	---	---	---	---
4680 non-ferrous scrap	1	---	1	---	---	---	---	---
<b>Subtotal sulphur, clay and salt</b>	<b>340</b>	<b>152</b>	<b>189</b>	---	---	---	---	---
4782 clay & refrac. mat.	189	---	189	---	---	---	---	---
4783 salt	152	152	---	---	---	---	---	---
<b>Subtotal slag</b>	<b>150</b>	<b>150</b>	---	---	---	---	---	---
4860 slag	150	150	---	---	---	---	---	---
<b>Subtotal other non-metal. min.</b>	<b>7</b>	---	<b>7</b>	---	---	---	---	---
4900 non-metal. min. nec	7	---	7	---	---	---	---	---
<b>Total primary manufactured goods</b>	<b>1,772</b>	<b>1,587</b>	<b>119</b>	<b>64</b>	---	<b>2</b>	---	<b>2</b>
<b>Subtotal paper products</b>	<b>83</b>	<b>0</b>	<b>83</b>	---	---	<b>0</b>	---	<b>0</b>
5110 newsprint	10	---	10	---	---	---	---	---
5120 paper & paperboard	74	---	74	---	---	0	---	0
5190 paper products nec	0	0	0	---	---	---	---	---
<b>Subtotal lime, cement and glass</b>	<b>656</b>	<b>577</b>	<b>14</b>	<b>64</b>	---	<b>0</b>	---	<b>0</b>
5220 cement & concrete	641	577	---	64	---	---	---	---
5290 misc. mineral prod.	14	---	14	---	---	0	---	0
<b>Subtotal primary iron and steel products</b>	<b>980</b>	<b>980</b>	<b>0</b>	---	---	---	---	---
5320 i&s primary forms	617	617	---	---	---	---	---	---
5330 i&s plates & sheets	286	286	---	---	---	---	---	---
5360 i&s bars & shapes	26	26	0	---	---	---	---	---
5370 i&s pipe & tube	35	35	---	---	---	---	---	---
5390 primary i&s nec	16	16	---	---	---	---	---	---
<b>Subtotal primary non-ferrous metal products</b>	<b>48</b>	<b>29</b>	<b>19</b>	<b>0</b>	---	<b>0</b>	---	<b>0</b>
5421 copper	0	0	---	---	---	---	---	---
5422 aluminum	0	0	---	---	---	---	---	---
5429 smelted prod. nec	12	12	---	---	---	---	---	---
5480 fab. metal products	35	16	19	0	---	0	---	0
<b>Subtotal primary wood products</b>	<b>6</b>	<b>1</b>	<b>3</b>	---	---	<b>2</b>	---	<b>2</b>
5540 primarv wood prod.	6	1	3	---	---	2	---	2
<b>Total food and farm products</b>	<b>32,368</b>	<b>16</b>	<b>32,352</b>	---	---	---	---	---
<b>Subtotal fish</b>	<b>0</b>	<b>0</b>	---	---	---	---	---	---
6134 fish (not shellfish)	0	0	---	---	---	---	---	---
<b>Subtotal grain</b>	<b>22,468</b>	---	<b>22,468</b>	---	---	---	---	---
6241 wheat	12,665	---	12,665	---	---	---	---	---
6344 corn	9,251	---	9,251	---	---	---	---	---
6447 sorghum grains	552	---	552	---	---	---	---	---
<b>Subtotal oilseeds</b>	<b>9,553</b>	---	<b>9,553</b>	---	---	---	---	---
6522 soybeans	9,470	---	9,470	---	---	---	---	---
6590 oilseeds nec	83	---	83	---	---	---	---	---
<b>Subtotal vegetable products</b>	<b>196</b>	---	<b>196</b>	---	---	---	---	---
6654 vegetables & prod.	196	---	196	---	---	---	---	---
<b>Subtotal processed grain and animal feed</b>	<b>120</b>	---	<b>120</b>	---	---	---	---	---
6781 hay & fodder	5	---	5	---	---	---	---	---
6782 animal feed, prep.	114	---	114	---	---	---	---	---
<b>Subtotal other agricultural products</b>	<b>31</b>	<b>16</b>	<b>15</b>	---	---	---	---	---
6835 fish, prepared	0	---	0	---	---	---	---	---
6857 fruit & nuts nec	0	---	0	---	---	---	---	---
6861 sugar	0	0	---	---	---	---	---	---



COLUMBIA RIVER ENTRANCE, OR AND WA  
Freight Traffic, 2016 - continued  
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic		
		Through		Through		Total	Coastwise	
		Upbound	Downbnd	Upbound	Downbnd		Upbound	Downbnd
6865 molasses	16	16	—	—	—	—	—	—
6885 alcoholic beverages	13	—	13	—	—	—	—	—
6889 food products nec	1	—	1	—	—	—	—	—
6899 farm products nec	1	—	1	—	—	—	—	—
<b>Total all manufactured equipment, machinery and products</b>	<b>888</b>	<b>556</b>	<b>185</b>	<b>0</b>	<b>0</b>	<b>147</b>	<b>—</b>	<b>147</b>
7110 machinery (not elec)	6	6	0	—	—	—	—	—
7120 electrical machinery	9	8	0	—	0	—	—	—
7210 vehicles & parts	652	536	116	—	—	—	—	—
7400 manufac. wood prod.	1	0	0	—	—	0	—	0
7500 textile products	43	0	43	—	—	—	—	—
7600 rubber & plastic pr.	24	0	23	—	0	—	—	—
7900 manufac. prod. nec	153	4	2	—	—	147	—	147
<b>Total unknown or not elsewhere classified</b>	<b>84</b>	<b>8</b>	<b>76</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
9900 unknown or nec	84	8	76	—	—	—	—	—

COLUMBIA RIVER, MOUTH TO INTERNATIONAL BOUNDARY (CONSOLIDATED REPORT)

Section Included: Mouth to International Boundary, a distance of 745 miles. Controlling Depth: 38 feet or better between mouth of Columbia River and mouth of Willamette River; 38 feet to lower turning basin, Vancouver, WA; other channel depths range from 15 to 4 feet. Project Depth: 55/48 feet across entrance bar; 40 feet from mouth of Columbia River to mouth of Willamette River; 40 feet from mouth of Willamette River to Vancouver; Other Project Depths range from 27 to 7 feet.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
2007	58,149	2010	54,714	2013	55,331	<b>2016</b>	<b>61,327</b>
2008	54,762	2011	54,225	2014	61,674		
2009	45,960	2012	56,827	2015	54,720		

Freight Traffic, 2016 (thousand short tons)

Commodity	Total	Foreign				Canadian		
		Inbound	Outbound	Through		Inbound	Outbound	Through Upbound
				Upbound	Downbnd			
<b>Total, all commodities</b>	<b>47,552</b>	<b>2,414</b>	<b>32,319</b>	<b>1,642</b>	<b>10,358</b>	<b>64</b>	<b>138</b>	<b>618</b>
<b>Total petroleum and petroleum products</b>	<b>1,117</b>	<b>121</b>	<b>664</b>	<b>65</b>	<b>—</b>	<b>—</b>	<b>138</b>	<b>129</b>
<b>Subtotal petroleum products</b>	<b>1,117</b>	<b>121</b>	<b>664</b>	<b>65</b>	<b>—</b>	<b>—</b>	<b>138</b>	<b>129</b>
2211 gasoline	39	—	—	—	—	—	—	39
2330 distillate fuel oil	158	31	—	38	—	—	—	89
2540 petroleum coke	920	90	664	28	—	138	—	—
<b>Total chemicals and related products</b>	<b>6,196</b>	<b>452</b>	<b>620</b>	<b>427</b>	<b>4,698</b>	<b>—</b>	<b>—</b>	<b>—</b>
<b>Subtotal fertilizers</b>	<b>2,081</b>	<b>105</b>	<b>122</b>	<b>380</b>	<b>1,475</b>	<b>—</b>	<b>—</b>	<b>—</b>
3110 nitrogenous fert.	464	83	—	380	—	—	—	—
3130 potassic fert.	1,586	—	122	—	1,464	—	—	—
3190 fert. & mixes nec	32	21	—	—	11	—	—	—
<b>Subtotal other chemicals and related products</b>	<b>4,115</b>	<b>347</b>	<b>499</b>	<b>46</b>	<b>3,223</b>	<b>—</b>	<b>—</b>	<b>—</b>
3212 benzene & toluene	64	64	—	—	—	—	—	—
3220 alcohols	93	—	93	—	—	—	—	—
3230 carboxylic acids	13	8	—	6	—	—	—	—
3273 ammonia	29	—	—	29	—	—	—	—
3274 sodium hydroxide	260	260	—	—	—	—	—	—
3275 inorg. elem., oxides, & halogen salts	1	—	—	—	1	—	—	—
3276 metallic salts	3,626	—	406	—	3,219	—	—	—
3279 inorganic chem. nec	15	15	—	—	—	—	—	—
3292 starches, gluten, glue	0	0	—	0	—	—	—	—
3293 explosives	0	—	0	—	—	—	—	—
3299 chem. products nec	14	—	—	12	2	—	—	—
<b>Total crude materials, inedible except fuels</b>	<b>5,277</b>	<b>675</b>	<b>3,892</b>	<b>150</b>	<b>71</b>	<b>—</b>	<b>—</b>	<b>489</b>
<b>Subtotal forest products, wood and chips</b>	<b>2,921</b>	<b>—</b>	<b>2,920</b>	<b>—</b>	<b>1</b>	<b>—</b>	<b>—</b>	<b>—</b>
4110 rubber & gums	0	—	—	—	0	—	—	—
4170 wood in the rough	2,704	—	2,704	—	—	—	—	—
4189 lumber	217	—	216	—	1	—	—	—
<b>Subtotal pulp and waste paper</b>	<b>56</b>	<b>8</b>	<b>47</b>	<b>—</b>	<b>1</b>	<b>—</b>	<b>—</b>	<b>—</b>
4225 pulp & waste paper	56	8	47	—	1	—	—	—
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>963</b>	<b>474</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>489</b>
4310 building stone	9	9	—	—	—	—	—	—
4322 limestone	489	—	—	—	—	—	—	489
4323 gypsum	465	465	—	—	—	—	—	—
4331 sand & gravel	0	—	0	—	—	—	—	—
<b>Subtotal iron ore and scrap</b>	<b>598</b>	<b>41</b>	<b>526</b>	<b>—</b>	<b>30</b>	<b>—</b>	<b>—</b>	<b>—</b>
4410 iron ore	40	40	—	—	—	—	—	—
4420 iron & steel scrap	557	1	526	—	30	—	—	—
<b>Subtotal non-ferrous ores and scrap</b>	<b>242</b>	<b>—</b>	<b>241</b>	<b>—</b>	<b>1</b>	<b>—</b>	<b>—</b>	<b>—</b>
4630 copper ore	241	—	241	—	—	—	—	—
4680 non-ferrous scrap	1	—	0	—	1	—	—	—

COLUMBIA RIVER, MOUTH TO INTERNATIONAL BOUNDARY (CONSOLIDATED REPORT)  
Freight Traffic, 2016 - continued  
(thousand short tons)

Commodity	Total	Foreign				Canadian		
		Inbound	Outbound	Through		Inbound	Outbound	Through Upbound
				Upbound	Downbnd			
<b>Subtotal sulphur, clay and salt</b>	<b>340</b>	<b>152</b>	<b>150</b>	<b>---</b>	<b>39</b>	<b>---</b>	<b>---</b>	<b>---</b>
4782 clay & refrac. mat.	189	---	150	---	39	---	---	---
4783 salt	152	152	---	---	---	---	---	---
<b>Subtotal slag</b>	<b>150</b>	<b>---</b>	<b>---</b>	<b>150</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>
4860 slag	150	---	---	150	---	---	---	---
<b>Subtotal other non-metal. min.</b>	<b>7</b>	<b>---</b>	<b>7</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>
4900 non-metal. min. nec	7	---	7	---	---	---	---	---
<b>Total primary manufactured goods</b>	<b>1,770</b>	<b>970</b>	<b>119</b>	<b>617</b>	<b>0</b>	<b>64</b>	<b>---</b>	<b>---</b>
<b>Subtotal paper products</b>	<b>83</b>	<b>0</b>	<b>83</b>	<b>---</b>	<b>0</b>	<b>---</b>	<b>---</b>	<b>---</b>
5110 newsprint	10	---	10	---	---	---	---	---
5120 paper & paperboard	74	---	73	---	0	---	---	---
5190 paper products nec	0	0	---	---	0	---	---	---
<b>Subtotal lime, cement and glass</b>	<b>656</b>	<b>---</b>	<b>14</b>	<b>577</b>	<b>---</b>	<b>64</b>	<b>---</b>	<b>---</b>
5220 cement & concrete	641	---	---	577	---	64	---	---
5290 misc. mineral prod.	14	---	14	---	---	---	---	---
<b>Subtotal primary iron and steel products</b>	<b>980</b>	<b>947</b>	<b>0</b>	<b>32</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>
5320 i&s primary forms	617	600	---	17	---	---	---	---
5330 i&s plates & sheets	286	286	---	---	---	---	---	---
5360 i&s bars & shapes	26	26	0	---	---	---	---	---
5370 i&s pipe & tube	35	35	---	---	---	---	---	---
5390 primary i&s nec	16	---	---	16	---	---	---	---
<b>Subtotal primary non-ferrous metal products</b>	<b>48</b>	<b>22</b>	<b>19</b>	<b>7</b>	<b>---</b>	<b>0</b>	<b>---</b>	<b>---</b>
5421 copper	0	0	---	---	---	---	---	---
5422 aluminum	0	0	---	---	---	---	---	---
5429 smelted prod. nec	12	6	---	7	---	---	---	---
5480 fab. metal products	35	16	19	0	---	0	---	---
<b>Subtotal primary wood products</b>	<b>4</b>	<b>1</b>	<b>3</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>
5540 primary wood prod.	4	1	3	---	---	---	---	---
<b>Total food and farm products</b>	<b>32,368</b>	<b>16</b>	<b>26,916</b>	<b>0</b>	<b>5,436</b>	<b>---</b>	<b>---</b>	<b>---</b>
<b>Subtotal fish</b>	<b>0</b>	<b>0</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>
6134 fish (not shellfish)	0	0	---	---	---	---	---	---
<b>Subtotal grain</b>	<b>22,468</b>	<b>---</b>	<b>17,703</b>	<b>---</b>	<b>4,765</b>	<b>---</b>	<b>---</b>	<b>---</b>
6241 wheat	12,665	---	7,976	---	4,688	---	---	---
6344 corn	9,251	---	9,174	---	77	---	---	---
6447 sorghum grains	552	---	552	---	---	---	---	---
<b>Subtotal oilseeds</b>	<b>9,553</b>	<b>---</b>	<b>9,048</b>	<b>---</b>	<b>506</b>	<b>---</b>	<b>---</b>	<b>---</b>
6522 soybeans	9,470	---	8,965	---	506	---	---	---
6590 oilseeds nec	83	---	83	---	---	---	---	---
<b>Subtotal vegetable products</b>	<b>196</b>	<b>---</b>	<b>37</b>	<b>---</b>	<b>159</b>	<b>---</b>	<b>---</b>	<b>---</b>
6654 vegetables & prod.	196	---	37	---	159	---	---	---
<b>Subtotal processed grain and animal feed</b>	<b>120</b>	<b>---</b>	<b>114</b>	<b>---</b>	<b>5</b>	<b>---</b>	<b>---</b>	<b>---</b>
6781 hay & fodder	5	---	1	---	5	---	---	---
6782 animal feed, prep.	114	---	113	---	1	---	---	---
<b>Subtotal other agricultural products</b>	<b>31</b>	<b>16</b>	<b>14</b>	<b>0</b>	<b>1</b>	<b>---</b>	<b>---</b>	<b>---</b>
6835 fish, prepared	0	---	0	---	---	---	---	---
6857 fruit & nuts nec	0	---	0	---	---	---	---	---
6861 sugar	0	---	---	0	---	---	---	---
6865 molasses	16	16	---	---	---	---	---	---
6885 alcoholic beverages	13	---	13	---	0	---	---	---
6889 food products nec	1	---	1	---	0	---	---	---
6899 farm products nec	1	---	0	---	1	---	---	---
<b>Total all manufactured equipment, machinery and products</b>	<b>741</b>	<b>173</b>	<b>51</b>	<b>383</b>	<b>134</b>	<b>0</b>	<b>---</b>	<b>---</b>
7110 machinery (not elec)	6	6	0	---	0	---	---	---
7120 electrical machinery	8	8	0	0	0	---	---	---
7210 vehicles & parts	652	153	1	383	115	---	---	---
7400 manufac. wood prod.	1	0	0	---	0	---	---	---
7500 textile products	43	0	34	---	9	---	---	---
7600 rubber & plastic pr.	24	0	16	---	8	0	---	---
7900 manufac. prod. nec	6	4	0	0	2	---	---	---
<b>Total unknown or not elsewhere classified</b>	<b>84</b>	<b>8</b>	<b>57</b>	<b>---</b>	<b>19</b>	<b>---</b>	<b>---</b>	<b>---</b>
9900 unknown or nec	84	8	57	---	19	---	---	---
<b>Ton-miles (x1000)</b>	<b>3,885,340</b>	<b>204,743</b>	<b>2,427,780</b>	<b>161,445</b>	<b>1,015,589</b>	<b>6,573</b>	<b>8,690</b>	<b>60,519</b>
<b>Foreign &amp; Canadian</b>								

Commodity	Total	Coastwise			
		Receipts	Shipments	Through	
				Upbound	Downbnd
<b>Total, all commodities</b>	<b>2,873</b>	<b>252</b>	<b>464</b>	<b>1,990</b>	<b>167</b>
<b>Total petroleum and petroleum products</b>	<b>2,196</b>	<b>14</b>	<b>24</b>	<b>1,990</b>	<b>167</b>
<b>Subtotal crude petroleum</b>	<b>56</b>	<b>---</b>	<b>24</b>	<b>---</b>	<b>32</b>
2100 crude petroleum	56	---	24	---	32
<b>Subtotal petroleum products</b>	<b>2,139</b>	<b>14</b>	<b>---</b>	<b>1,990</b>	<b>135</b>
2211 gasoline	817	---	---	812	5
2221 kerosene	390	14	---	376	---
2330 distillate fuel oil	808	---	---	684	124
2350 lube oil & greases	124	---	---	118	6

COLUMBIA RIVER, MOUTH TO INTERNATIONAL BOUNDARY (CONSOLIDATED REPORT)  
 Freight Traffic, 2016 - continued  
 (thousand short tons)

Commodity	Total	Coastwise			
		Receipts	Shipments	Through	
				Upbound	Downbnd
<b>Total chemicals and related products</b>	<b>11</b>	—	<b>11</b>	—	—
<b>Subtotal other chemicals and related products</b>	<b>11</b>	—	<b>11</b>	—	—
3220 alcohols	11	—	11	—	—
3299 chem. products nec	0	—	0	—	—
<b>Total crude materials, inedible except fuels</b>	<b>517</b>	<b>238</b>	<b>280</b>	—	—
<b>Subtotal forest products, wood and chips</b>	<b>517</b>	<b>238</b>	<b>280</b>	—	—
4161 wood chips	229	229	—	—	—
4189 lumber	288	8	280	—	—
<b>Total primary manufactured goods</b>	<b>2</b>	—	<b>2</b>	—	—
<b>Subtotal paper products</b>	<b>0</b>	—	<b>0</b>	—	—
5120 paper & paperboard	0	—	0	—	—
<b>Subtotal lime, cement and glass</b>	<b>0</b>	—	<b>0</b>	—	—
5290 misc. mineral prod.	0	—	0	—	—
<b>Subtotal primary non-ferrous metal products</b>	<b>0</b>	—	<b>0</b>	—	—
5480 fab. metal products	0	—	0	—	—
<b>Subtotal primary wood products</b>	<b>2</b>	—	<b>2</b>	—	—
5540 primary wood prod.	2	—	2	—	—
<b>Total all manufactured equipment, machinery and products</b>	<b>147</b>	—	<b>147</b>	—	—
7400 manufac. wood prod.	0	—	0	—	—
7900 manufac. prod. nec	147	—	147	—	—
<b>Ton-miles (x1000)</b>	<b>254,095</b>	<b>13,698</b>	<b>28,987</b>	<b>195,004</b>	<b>16,406</b>
<b>Coastwise</b>					

Commodity	Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
<b>Total, all commodities</b>	<b>10,901</b>	<b>961</b>	<b>1,112</b>	<b>663</b>	<b>2,568</b>	<b>1,498</b>	<b>1,324</b>	<b>895</b>	<b>1,880</b>
<b>Total petroleum and petroleum products</b>	<b>1,133</b>	<b>190</b>	—	<b>54</b>	<b>32</b>	<b>819</b>	<b>6</b>	<b>33</b>	—
<b>Subtotal petroleum products</b>	<b>1,133</b>	<b>190</b>	—	<b>54</b>	<b>32</b>	<b>819</b>	<b>6</b>	<b>33</b>	—
2211 gasoline	388	—	—	—	—	388	—	—	—
2221 kerosene	68	—	—	—	—	68	—	—	—
2330 distillate fuel oil	677	190	—	54	32	363	6	33	—
<b>Total chemicals and related products</b>	<b>251</b>	<b>20</b>	—	<b>44</b>	<b>94</b>	<b>15</b>	<b>60</b>	<b>18</b>	—
<b>Subtotal fertilizers</b>	<b>97</b>	<b>20</b>	—	<b>44</b>	—	<b>15</b>	—	<b>18</b>	—
3190 fert. & mixes nec	97	20	—	44	—	15	—	18	—
<b>Subtotal other chemicals and related products</b>	<b>154</b>	—	—	—	<b>94</b>	—	<b>60</b>	—	—
3220 alcohols	154	—	—	—	94	—	60	—	—
<b>Total crude materials, inedible except fuels</b>	<b>4,531</b>	<b>740</b>	<b>101</b>	<b>109</b>	<b>1,655</b>	<b>665</b>	<b>53</b>	<b>539</b>	<b>669</b>
<b>Subtotal forest products, wood and chips</b>	<b>921</b>	—	<b>98</b>	<b>20</b>	<b>28</b>	<b>22</b>	—	<b>101</b>	<b>652</b>
4150 fuel wood	20	—	—	4	—	10	—	—	6
4161 wood chips	665	—	98	16	28	12	—	92	419
4170 wood in the rough	236	—	—	—	—	—	—	9	227
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>3,557</b>	<b>740</b>	<b>3</b>	<b>89</b>	<b>1,628</b>	<b>643</b>	—	<b>438</b>	<b>17</b>
4331 sand & gravel	3,557	740	3	89	1,628	643	—	438	17
<b>Subtotal iron ore and scrap</b>	<b>53</b>	—	—	—	—	—	<b>53</b>	—	—
4420 iron & steel scrap	53	—	—	—	—	—	53	—	—
<b>Total primary manufactured goods</b>	<b>440</b>	—	—	<b>440</b>	—	—	—	—	—
<b>Subtotal paper products</b>	<b>440</b>	—	—	<b>440</b>	—	—	—	—	—
5190 paper products nec	440	—	—	440	—	—	—	—	—
<b>Total food and farm products</b>	<b>4,251</b>	<b>11</b>	<b>1,011</b>	<b>16</b>	<b>786</b>	—	<b>1,205</b>	<b>11</b>	<b>1,211</b>
<b>Subtotal grain</b>	<b>4,224</b>	—	<b>1,011</b>	<b>16</b>	<b>771</b>	—	<b>1,205</b>	<b>11</b>	<b>1,211</b>
6241 wheat	4,224	—	1,011	16	771	—	1,205	11	1,211
<b>Subtotal other agricultural products</b>	<b>27</b>	<b>11</b>	—	—	<b>16</b>	—	—	—	—
6865 molasses	27	11	—	—	16	—	—	—	—
<b>Total waste and scrap nec</b>	<b>294</b>	—	—	—	—	—	—	<b>294</b>	—
8900 waste and scrap nec	294	—	—	—	—	—	—	294	—
<b>Ton-miles (x1000)</b>	<b>1,552,867</b>	<b>62,034</b>	<b>265,732</b>	<b>56,643</b>	<b>265,263</b>	<b>200,031</b>	<b>293,836</b>	<b>75,959</b>	<b>333,369</b>
<b>Internal (x1000)</b>									

Tons All Traffic (x1000) 61,327  
 Ton-miles All Traffic (x1000) 5,692,337  
 Total Trip-ton-miles Internal and Intraport (x1000) 1,953,084

COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW VANCOUVER, WA AND PORTLAND, OR

Section Included: Columbia River from mouth to the mouth of Willamette River; Willamette River from mouth to Broadway Bridge at Portland, OR, a distance of 113 miles; Columbia River from mouth of Willamette River to Interstate Bridge, Vancouver, WA, a distance of 5 miles. Controlling Depth: Mouth of Columbia River to mouth of Willamette and up the Willamette to Broadway Bridge in Portland, 38 feet; in the reach of Columbia River from the mouth of Willamette River to the lower turning basin at Vancouver, WA, 38 feet. Project Depth: 40 feet in main channel from mouth of Columbia River to Broadway Bridge at Portland, OR; 40 feet in Columbia River from mouth of Willamette River to Railroad Bridge, Vancouver, WA; 35 feet from Railroad Bridge to Interstate Bridge, Vancouver, WA.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
2007	58,228	2010	54,538	2013	55,167	<b>2016</b>	<b>61,160</b>
2008	54,890	2011	54,262	2014	61,502		
2009	46,138	2012	56,758	2015	54,542		

Freight Traffic, 2016 (thousand short tons)

Commodity	Total	Foreign				Canadian	
		Inbound	Outbound	Through		Inbound	Outbound
				Upbound	Downbnd		
<b>Total, all commodities</b>	<b>47,553</b>	<b>3,919</b>	<b>42,544</b>	<b>137</b>	<b>133</b>	<b>681</b>	<b>138</b>
<b>Total petroleum and petroleum products</b>	<b>1,117</b>	<b>186</b>	<b>664</b>	—	—	<b>129</b>	<b>138</b>
<b>Subtotal petroleum products</b>	<b>1,117</b>	<b>186</b>	<b>664</b>	—	—	<b>129</b>	<b>138</b>
2211 gasoline	39	—	—	—	—	39	—
2330 distillate fuel oil	158	69	—	—	—	89	—
2540 petroleum coke	920	117	664	—	—	—	138
<b>Total chemicals and related products</b>	<b>6,196</b>	<b>878</b>	<b>5,318</b>	—	—	<b>0</b>	—
<b>Subtotal fertilizers</b>	<b>2,081</b>	<b>485</b>	<b>1,596</b>	—	—	—	—
3110 nitrogenous fert.	464	464	—	—	—	—	—
3130 potassic fert.	1,586	—	1,586	—	—	—	—
3190 fert. & mixes nec	32	21	11	—	—	—	—
<b>Subtotal other chemicals and related products</b>	<b>4,115</b>	<b>394</b>	<b>3,721</b>	—	—	<b>0</b>	—
3212 benzene & toluene	64	64	—	—	—	—	—
3220 alcohols	93	—	93	—	—	—	—
3230 carboxylic acids	13	13	—	—	—	—	—
3273 ammonia	29	29	—	—	—	—	—
3274 sodium hydroxide	260	260	—	—	—	—	—
3275 inorg. elem., oxides, & halogen salts	1	—	1	—	—	0	—
3276 metallic salts	3,626	—	3,626	—	—	0	—
3279 inorganic chem. nec	15	15	—	—	—	—	—
3292 starches, gluten, glue	0	0	—	—	—	—	—
3293 explosives	0	—	0	—	—	—	—
3299 chem. products nec	14	12	2	—	—	—	—
<b>Total crude materials, inedible except fuels</b>	<b>5,277</b>	<b>825</b>	<b>3,961</b>	—	—	<b>2</b>	<b>489</b>
<b>Subtotal forest products, wood and chips</b>	<b>2,921</b>	—	<b>2,920</b>	—	—	<b>1</b>	—
4110 rubber & gums	0	—	0	—	—	—	—
4170 wood in the rough	2,704	—	2,704	—	—	—	—
4189 lumber	217	—	216	—	—	1	—
<b>Subtotal pulp and waste paper</b>	<b>56</b>	<b>8</b>	<b>47</b>	—	—	<b>1</b>	—
4225 pulp & waste paper	56	8	47	—	—	1	—
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>963</b>	<b>474</b>	<b>0</b>	—	—	<b>489</b>	—
4310 building stone	9	9	—	—	—	—	—
4322 limestone	489	—	—	—	—	489	—
4323 gypsum	465	465	—	—	—	—	—
4331 sand & gravel	0	—	0	—	—	—	—
<b>Subtotal iron ore and scrap</b>	<b>598</b>	<b>41</b>	<b>557</b>	—	—	<b>0</b>	—
4410 iron ore	40	40	—	—	—	—	—
4420 iron & steel scrap	557	1	557	—	—	0	—
<b>Subtotal non-ferrous ores and scrap</b>	<b>242</b>	—	<b>241</b>	—	—	<b>1</b>	—
4630 copper ore	241	—	241	—	—	—	—
4680 non-ferrous scrap	1	—	0	—	—	1	—
<b>Subtotal sulphur, clay and salt</b>	<b>340</b>	<b>152</b>	<b>189</b>	—	—	—	—
4782 clay & refrac. mat.	189	—	189	—	—	—	—
4783 salt	152	152	—	—	—	—	—
<b>Subtotal slag</b>	<b>150</b>	<b>150</b>	—	—	—	—	—
4860 slag	150	150	—	—	—	—	—
<b>Subtotal other non-metal. min.</b>	<b>7</b>	—	<b>7</b>	—	—	—	—
4900 non-metal. min. nec	7	—	7	—	—	—	—
<b>Total primary manufactured goods</b>	<b>1,770</b>	<b>1,587</b>	<b>119</b>	—	—	<b>0</b>	<b>64</b>
<b>Subtotal paper products</b>	<b>83</b>	<b>0</b>	<b>83</b>	—	—	<b>0</b>	—
5110 newsprint	10	—	10	—	—	—	—
5120 paper & paperboard	74	—	73	—	—	0	—
5190 paper products nec	0	0	—	—	—	0	—
<b>Subtotal lime, cement and glass</b>	<b>656</b>	<b>577</b>	<b>14</b>	—	—	—	<b>64</b>
5220 cement & concrete	641	577	—	—	—	—	64
5290 misc. mineral prod.	14	—	14	—	—	—	—
<b>Subtotal primary iron and steel products</b>	<b>980</b>	<b>980</b>	<b>0</b>	—	—	—	—
5320 i&s primary forms	617	617	—	—	—	—	—
5330 i&s plates & sheets	286	286	—	—	—	—	—
5360 i&s bars & shapes	26	26	0	—	—	—	—
5370 i&s pipe & tube	35	35	—	—	—	—	—
5390 primary i&s nec	16	16	—	—	—	—	—
<b>Subtotal primary non-ferrous metal products</b>	<b>48</b>	<b>29</b>	<b>19</b>	—	—	—	<b>0</b>
5421 copper	0	0	—	—	—	—	—
5422 aluminum	0	0	—	—	—	—	—
5429 smelted prod. nec	12	12	—	—	—	—	—
5480 fab. metal products	35	16	19	—	—	—	0
<b>Subtotal primary wood products</b>	<b>4</b>	<b>1</b>	<b>3</b>	—	—	—	—
5540 primary wood prod.	4	1	3	—	—	—	—
<b>Total food and farm products</b>	<b>32,368</b>	<b>16</b>	<b>32,346</b>	—	—	<b>6</b>	—
<b>Subtotal fish</b>	<b>0</b>	<b>0</b>	—	—	—	—	—
6134 fish (not shellfish)	0	0	—	—	—	—	—

COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW VANCOUVER, WA AND PORTLAND, OR  
Freight Traffic, 2016 - continued  
(thousand short tons)

Commodity	Total	Foreign				Canadian	
		Inbound	Outbound	Through		Inbound	Outbound
				Upbound	Downbnd		
<b>Subtotal grain</b>	<b>22,468</b>	---	<b>22,468</b>	---	---	---	---
6241 wheat	12,665	---	12,665	---	---	---	---
6344 corn	9,251	---	9,251	---	---	---	---
6447 sorghum grains	552	---	552	---	---	---	---
<b>Subtotal oilseeds</b>	<b>9,553</b>	---	<b>9,553</b>	---	---	---	---
6522 soybeans	9,470	---	9,470	---	---	---	---
6590 oilseeds nec	83	---	83	---	---	---	---
<b>Subtotal vegetable products</b>	<b>196</b>	---	<b>195</b>	---	<b>1</b>	---	---
6654 vegetables & prod.	196	---	195	---	1	---	---
<b>Subtotal processed grain and animal feed</b>	<b>120</b>	---	<b>115</b>	---	<b>5</b>	---	---
6781 hay & fodder	5	---	1	---	5	---	---
6782 animal feed, prep.	114	---	114	---	0	---	---
<b>Subtotal other agricultural products</b>	<b>31</b>	<b>16</b>	<b>14</b>	---	<b>1</b>	---	---
6835 fish, prepared	0	---	0	---	---	---	---
6857 fruit & nuts nec	0	---	0	---	---	---	---
6861 sugar	0	0	---	---	---	---	---
6865 molasses	16	16	---	---	---	---	---
6885 alcoholic beverages	13	---	13	---	0	---	---
6889 food products nec	1	---	1	---	0	---	---
6899 farm products nec	1	---	0	---	1	---	---
<b>Total all manufactured equipment, machinery and products</b>	<b>741</b>	<b>419</b>	<b>62</b>	<b>137</b>	<b>123</b>	<b>0</b>	<b>0</b>
7110 machinery (not elec)	6	6	0	---	0	---	---
7120 electrical machinery	9	8	0	---	0	---	0
7210 vehicles & parts	652	399	1	137	115	---	---
7400 manufac. wood prod.	1	0	0	---	0	---	---
7500 textile products	43	0	43	---	---	---	---
7600 rubber & plastic pr.	24	0	16	---	8	0	---
7900 manufac. prod. nec	6	4	2	0	0	---	---
<b>Total unknown or not elsewhere classified</b>	<b>84</b>	<b>8</b>	<b>75</b>	---	<b>1</b>	---	---
9900 unknown or nec	84	8	75	---	1	---	---
<b>Ton-miles (x1000)</b>	<b>3,984,479</b>	<b>364,278</b>	<b>3,511,796</b>	<b>13,992</b>	<b>13,538</b>	<b>72,147</b>	<b>8,728</b>
<b>Foreign &amp; Canadian</b>							

Commodity	Total	Coastwise	
		Receipts	Shipments
<b>Total, all commodities</b>	<b>2,873</b>	<b>2,242</b>	<b>631</b>
<b>Total petroleum and petroleum products</b>	<b>2,196</b>	<b>2,004</b>	<b>191</b>
<b>Subtotal crude petroleum</b>	<b>56</b>	---	<b>56</b>
2100 crude petroleum	56	---	56
<b>Subtotal petroleum products</b>	<b>2,139</b>	<b>2,004</b>	<b>135</b>
2211 gasoline	817	812	5
2221 kerosene	390	390	---
2330 distillate fuel oil	808	684	124
2350 lube oil & areases	124	118	6
<b>Total chemicals and related products</b>	<b>11</b>	---	<b>11</b>
<b>Subtotal other chemicals and related products</b>	<b>11</b>	---	<b>11</b>
3220 alcohols	11	---	11
3299 chem. products nec	0	---	0
<b>Total crude materials, inedible except fuels</b>	<b>517</b>	<b>238</b>	<b>280</b>
<b>Subtotal forest products, wood and chips</b>	<b>517</b>	<b>238</b>	<b>280</b>
4161 wood chips	229	229	---
4189 lumber	288	8	280
<b>Total primary manufactured goods</b>	<b>2</b>	---	<b>2</b>
<b>Subtotal paper products</b>	<b>0</b>	---	<b>0</b>
5120 paper & paperboard	0	---	0
<b>Subtotal lime, cement and glass</b>	<b>0</b>	---	<b>0</b>
5290 misc. mineral prod.	0	---	0
<b>Subtotal primary non-ferrous metal products</b>	<b>0</b>	---	<b>0</b>
5480 fab. metal products	0	---	0
<b>Subtotal primary wood products</b>	<b>2</b>	---	<b>2</b>
5540 primary wood prod.	2	---	2
<b>Total all manufactured equipment, machinery and products</b>	<b>147</b>	---	<b>147</b>
7400 manufac. wood prod.	0	---	0
7900 manufac. prod. nec	147	---	147
<b>Ton-miles (x1000)</b>	<b>271,353</b>	<b>224,621</b>	<b>46,732</b>
<b>Coastwise</b>			

Commodity	Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
<b>Total, all commodities</b>	<b>10,734</b>	<b>3,065</b>	<b>3,192</b>	<b>560</b>	<b>1,815</b>	<b>1,288</b>	<b>132</b>	<b>596</b>	<b>85</b>
<b>Total petroleum and petroleum products</b>	<b>1,147</b>	<b>6</b>	---	<b>86</b>	<b>1,009</b>	---	---	<b>35</b>	<b>10</b>
<b>Subtotal petroleum products</b>	<b>1,147</b>	<b>6</b>	---	<b>86</b>	<b>1,009</b>	---	---	<b>35</b>	<b>10</b>
2211 gasoline	388	---	---	---	388	---	---	---	---
2221 kerosene	68	---	---	---	68	---	---	---	---
2330 distillate fuel oil	690	6	---	86	552	---	---	35	10

COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW VANCOUVER, WA AND PORTLAND, OR  
 Freight Traffic, 2016 - continued  
 (thousand short tons)

Commodity	Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
<b>Total chemicals and related products</b>	<b>246</b>	<b>154</b>	<b>---</b>	<b>57</b>	<b>35</b>	<b>---</b>	<b>---</b>	<b>1</b>	<b>---</b>
<b>Subtotal fertilizers</b>	<b>92</b>	<b>---</b>	<b>---</b>	<b>57</b>	<b>35</b>	<b>---</b>	<b>---</b>	<b>1</b>	<b>---</b>
3190 fert. & mixes nec	92	---	---	57	35	---	---	1	---
<b>Subtotal other chemicals and related products</b>	<b>154</b>	<b>154</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>
3220 alcohols	154	154	---	---	---	---	---	---	---
<b>Total crude materials, inedible except fuels</b>	<b>4,654</b>	<b>1,061</b>	<b>997</b>	<b>390</b>	<b>760</b>	<b>1,288</b>	<b>4</b>	<b>104</b>	<b>50</b>
<b>Subtotal forest products, wood and chips</b>	<b>879</b>	<b>---</b>	<b>689</b>	<b>19</b>	<b>28</b>	<b>22</b>	<b>---</b>	<b>78</b>	<b>44</b>
4150 fuel wood	20	---	6	4	---	10	---	---	---
4161 wood chips	626	---	456	9	28	12	---	78	44
4170 wood in the rough	233	---	227	6	---	---	---	---	---
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>3,722</b>	<b>1,010</b>	<b>309</b>	<b>371</b>	<b>733</b>	<b>1,266</b>	<b>2</b>	<b>26</b>	<b>6</b>
4331 sand & gravel	3,722	1,010	309	371	733	1,266	2	26	6
<b>Subtotal iron ore and scrap</b>	<b>53</b>	<b>51</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>2</b>	<b>---</b>	<b>---</b>
4420 iron & steel scrap	53	51	---	---	---	---	2	---	---
<b>Total primary manufactured goods</b>	<b>440</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>440</b>	<b>---</b>
<b>Subtotal paper products</b>	<b>440</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>440</b>	<b>---</b>
5190 paper products nec	440	---	---	---	---	---	---	440	---
<b>Total food and farm products</b>	<b>4,246</b>	<b>1,844</b>	<b>2,195</b>	<b>27</b>	<b>11</b>	<b>---</b>	<b>129</b>	<b>16</b>	<b>26</b>
<b>Subtotal grain</b>	<b>4,219</b>	<b>1,844</b>	<b>2,195</b>	<b>27</b>	<b>---</b>	<b>---</b>	<b>129</b>	<b>---</b>	<b>26</b>
6241 wheat	4,219	1,844	2,195	27	---	---	129	---	26
<b>Subtotal other agricultural products</b>	<b>27</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>11</b>	<b>---</b>	<b>---</b>	<b>16</b>	<b>---</b>
6865 molasses	27	---	---	---	11	---	---	16	---
<b>Ton-miles</b>	<b>221,165</b>	<b>44,166</b>	<b>79,246</b>	<b>11,875</b>	<b>23,824</b>	<b>23,699</b>	<b>40</b>	<b>35,016</b>	<b>3,299</b>
<b>Internal (x1000)</b>									
<b>Tons All Traffic (x1000)</b>			<b>61,160</b>						
<b>Ton-miles All Traffic (x1000)</b>			<b>4,476,997</b>						
<b>Total Trip-ton-miles Internal and Intraport (x1000)</b>			<b>1,902,042</b>						

PORT OF ASTORIA, OR

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
2007	4	2010	25	2013	475	<b>2016</b>	<b>303</b>
2008	38	2011	231	2014	220		
2009	56	2012	289	2015	386		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Foreign Outbound
<b>Total, all commodities</b>	<b>303</b>	<b>303</b>
<b>Total crude materials, inedible except fuels</b>	<b>303</b>	<b>303</b>
<b>Subtotal forest products, wood and chips</b>	<b>303</b>	<b>303</b>
4170 wood in the rough	303	303

PORTS OTHER THAN PORTLAND, ASTORIA, ST. HELENS, LONGVIEW, VANCOUVER AND KALAMA

Section Included: (Included in statistics for Columbia and Lower Willamette Rivers below Vancouver, WA, and Portland, OR) Ports included: Bradwood, Wauna, Beaver Point, Rainier and Prescott, OR and Knappton, WA. Controlling Depth: 38 feet. Project Depth: 40 feet at low water in main channel.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
2007	451	2010	415	2013	1,411	<b>2016</b>	<b>1,496</b>
2008	374	2011	657	2014	2,100		
2009	346	2012	668	2015	1,258		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Foreign Inbound	Domestic				
			Total	Coastwise		Internal	
				Receipts	Shipments		Receipts
<b>Total, all commodities</b>	<b>1,496</b>	<b>465</b>	<b>1,031</b>	<b>118</b>	<b>385</b>	<b>79</b>	<b>450</b>
<b>Total petroleum and petroleum products</b>	<b>24</b>	<b>---</b>	<b>24</b>	<b>---</b>	<b>24</b>	<b>---</b>	<b>---</b>
<b>Subtotal crude petroleum</b>	<b>24</b>	<b>---</b>	<b>24</b>	<b>---</b>	<b>24</b>	<b>---</b>	<b>---</b>
2100 crude petroleum	24	---	24	---	24	---	---
<b>Total chemicals and related products</b>	<b>11</b>	<b>---</b>	<b>11</b>	<b>---</b>	<b>11</b>	<b>---</b>	<b>---</b>
<b>Subtotal other chemicals and related products</b>	<b>11</b>	<b>---</b>	<b>11</b>	<b>---</b>	<b>11</b>	<b>---</b>	<b>---</b>
3220 alcohols	11	---	11	---	11	---	---

PORTS OTHER THAN PORTLAND, ASTORIA, ST. HELENS, LONGVIEW, VANCOUVER AND KALAMA  
 Freight Traffic, 2016 - continued  
 (thousand short tons)

Commodity	Grand Total	Foreign Inbound	Domestic				
			Total	Coastwise		Internal	
				Receipts	Shipments	Receipts	Shipments
<b>Total crude materials, inedible except fuels</b>	<b>872</b>	<b>465</b>	<b>407</b>	<b>118</b>	<b>201</b>	<b>79</b>	<b>10</b>
<b>Subtotal forest products, wood and chips</b>	<b>407</b>	—	<b>407</b>	<b>118</b>	<b>201</b>	<b>79</b>	<b>10</b>
4150 fuel wood	8	—	8	—	—	6	2
4161 wood chips	168	—	168	109	—	57	2
4170 wood in the rough	22	—	22	—	—	16	6
4189 lumber	209	—	209	8	201	—	—
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>465</b>	<b>465</b>	—	—	—	—	—
4323 gypsum	465	465	—	—	—	—	—
<b>Total primary manufactured goods</b>	<b>443</b>	—	<b>443</b>	—	<b>2</b>	—	<b>440</b>
<b>Subtotal paper products</b>	<b>440</b>	—	<b>440</b>	—	<b>0</b>	—	<b>440</b>
5120 paper & paperboard	0	—	0	—	0	—	—
5190 paper products nec	440	—	440	—	—	—	440
<b>Subtotal lime, cement and glass</b>	<b>0</b>	—	<b>0</b>	—	<b>0</b>	—	—
5290 misc. mineral prod.	0	—	0	—	0	—	—
<b>Subtotal primary non-ferrous metal products</b>	<b>0</b>	—	<b>0</b>	—	<b>0</b>	—	—
5480 fab. metal products	0	—	0	—	0	—	—
<b>Subtotal primary wood products</b>	<b>2</b>	—	<b>2</b>	—	<b>2</b>	—	—
5540 primary wood prod.	2	—	2	—	2	—	—
<b>Total all manufactured equipment, machinery and products</b>	<b>147</b>	—	<b>147</b>	—	<b>147</b>	—	—
7400 manufac. wood prod.	0	—	0	—	0	—	—
7900 manufac. prod. nec	147	—	147	—	147	—	—

PORT OF LONGVIEW, WA

Section Included: (Included in statistics for Columbia and Lower Willamette Rivers below Vancouver, WA, and Portland, OR) Controlling Depth: 39 feet in channel and 39 feet in turning basin. Project Depth: 40 foot channel in Columbia River and 6,000 foot turning basin at low water.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
2007	5,126	2010	6,823	2013	13,712	2016	13,147
2008	5,867	2011	6,873	2014	13,823		
2009	5,100	2012	12,193	2015	11,062		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian Outbound	Domestic				
		Inbound	Outbound		Total	Coastwise		Internal	
						Receipts	Shipments	Receipts	Shipments
<b>Total, all commodities</b>	<b>13,147</b>	<b>332</b>	<b>11,358</b>	<b>138</b>	<b>1,319</b>	<b>120</b>	<b>79</b>	<b>1,020</b>	<b>100</b>
<b>Total petroleum and petroleum products</b>	<b>892</b>	<b>90</b>	<b>664</b>	<b>138</b>	—	—	—	—	—
<b>Subtotal petroleum products</b>	<b>892</b>	<b>90</b>	<b>664</b>	<b>138</b>	—	—	—	—	—
2540 petroleum coke	892	90	664	138	—	—	—	—	—
<b>Total chemicals and related products</b>	<b>450</b>	<b>25</b>	<b>425</b>	—	<b>0</b>	—	<b>0</b>	—	—
<b>Subtotal fertilizers</b>	<b>29</b>	<b>12</b>	<b>17</b>	—	—	—	—	—	—
3130 potassic fert.	17	—	17	—	—	—	—	—	—
3190 fert. & mixes nec	12	12	—	—	—	—	—	—	—
<b>Subtotal other chemicals and related products</b>	<b>420</b>	<b>13</b>	<b>407</b>	—	<b>0</b>	—	<b>0</b>	—	—
3220 alcohols	93	—	93	—	—	—	—	—	—
3230 carboxylic acids	8	8	—	—	—	—	—	—	—
3274 sodium hydroxide	6	6	—	—	—	—	—	—	—
3276 metallic salts	315	—	315	—	—	—	—	—	—
3299 chem. products nec	0	—	—	—	0	—	0	—	—
<b>Total crude materials, inedible except fuels</b>	<b>3,965</b>	<b>192</b>	<b>2,806</b>	—	<b>966</b>	<b>120</b>	<b>79</b>	<b>691</b>	<b>77</b>
<b>Subtotal forest products, wood and chips</b>	<b>3,575</b>	—	<b>2,611</b>	—	<b>964</b>	<b>120</b>	<b>79</b>	<b>688</b>	<b>77</b>
4161 wood chips	673	—	—	—	673	120	—	476	77
4170 wood in the rough	2,613	—	2,401	—	211	—	—	211	—
4189 lumber	289	—	210	—	79	—	79	—	—
<b>Subtotal pulp and waste paper</b>	<b>12</b>	—	<b>12</b>	—	—	—	—	—	—
4225 pulp & waste paper	12	—	12	—	—	—	—	—	—
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>3</b>	—	<b>0</b>	—	<b>3</b>	—	—	<b>3</b>	—
4331 sand & gravel	3	—	0	—	3	—	—	3	—
<b>Subtotal iron ore and scrap</b>	<b>186</b>	<b>40</b>	<b>145</b>	—	—	—	—	—	—
4410 iron ore	40	40	—	—	—	—	—	—	—
4420 iron & steel scrap	145	—	145	—	—	—	—	—	—
<b>Subtotal non-ferrous ores and scrap</b>	<b>0</b>	—	<b>0</b>	—	—	—	—	—	—
4680 non-ferrous scrap	0	—	0	—	—	—	—	—	—
<b>Subtotal sulphur, clay and salt</b>	<b>182</b>	<b>152</b>	<b>31</b>	—	—	—	—	—	—
4782 clay & refrac. mat.	31	—	31	—	—	—	—	—	—
4783 salt	152	152	—	—	—	—	—	—	—

PORT OF LONGVIEW, WA  
Freight Traffic, 2016 - continued  
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic				
		Inbound	Outbound	Outbound	Total	Coastwise		Internal	
						Receipts	Shipments	Receipts	Shipments
<b>Subtotal other non-metal. min.</b>	<b>7</b>	---	<b>7</b>	---	---	---	---	---	---
4900 non-metal. min. nec.	7	---	7	---	---	---	---	---	---
<b>Total primary manufactured goods</b>	<b>131</b>	<b>15</b>	<b>116</b>	---	---	---	---	---	---
<b>Subtotal paper products</b>	<b>83</b>	---	<b>83</b>	---	---	---	---	---	---
5110 newsprint	10	---	10	---	---	---	---	---	---
5120 paper & paperboard	73	---	73	---	---	---	---	---	---
<b>Subtotal lime, cement and glass</b>	<b>14</b>	---	<b>14</b>	---	---	---	---	---	---
5290 misc. mineral prod.	14	---	14	---	---	---	---	---	---
<b>Subtotal primary iron and steel products</b>	<b>14</b>	<b>14</b>	<b>0</b>	---	---	---	---	---	---
5320 i&s primary forms	6	6	---	---	---	---	---	---	---
5330 i&s plates & sheets	8	8	---	---	---	---	---	---	---
5360 i&s bars & shapes	0	---	0	---	---	---	---	---	---
5370 i&s pipe & tube	0	0	---	---	---	---	---	---	---
<b>Subtotal primary non-ferrous metal products</b>	<b>20</b>	<b>1</b>	<b>19</b>	---	---	---	---	---	---
5422 aluminum	0	0	---	---	---	---	---	---	---
5480 fab. metal products	20	1	19	---	---	---	---	---	---
<b>Total food and farm products</b>	<b>7,668</b>	---	<b>7,316</b>	---	<b>352</b>	---	---	<b>329</b>	<b>23</b>
<b>Subtotal grain</b>	<b>5,001</b>	---	<b>4,649</b>	---	<b>352</b>	---	---	<b>329</b>	<b>23</b>
6241 wheat	2,235	---	1,883	---	352	---	---	329	23
6344 corn	2,766	---	2,766	---	---	---	---	---	---
<b>Subtotal oilseeds</b>	<b>2,555</b>	---	<b>2,555</b>	---	---	---	---	---	---
6522 soybeans	2,478	---	2,478	---	---	---	---	---	---
6590 oilseeds nec	77	---	77	---	---	---	---	---	---
<b>Subtotal vegetable products</b>	<b>0</b>	---	<b>0</b>	---	---	---	---	---	---
6654 vegetables & prod.	0	---	0	---	---	---	---	---	---
<b>Subtotal processed grain and animal feed</b>	<b>113</b>	---	<b>113</b>	---	---	---	---	---	---
6781 hay & fodder	1	---	1	---	---	---	---	---	---
6782 animal feed, prep.	112	---	112	---	---	---	---	---	---
<b>Total all manufactured equipment, machinery and products</b>	<b>7</b>	<b>6</b>	<b>1</b>	---	---	---	---	---	---
7110 machinery (not elec)	2	2	0	---	---	---	---	---	---
7120 electrical machinery	2	2	---	---	---	---	---	---	---
7210 vehicles & parts	0	---	0	---	---	---	---	---	---
7400 manufac. wood prod.	0	---	0	---	---	---	---	---	---
7600 rubber & plastic pr.	1	---	1	---	---	---	---	---	---
7900 manufac. prod. nec	1	1	0	---	---	---	---	---	---
<b>Total unknown or not elsewhere classified</b>	<b>35</b>	<b>5</b>	<b>30</b>	---	---	---	---	---	---
9900 unknown or nec	35	5	30	---	---	---	---	---	---

PORT OF KALAMA, WA

Section Included: (Included in statistics for Columbia and Lower Willamette Rivers below Vancouver, WA, and Portland, OR) Controlling Depth: 37 feet. Project Depth: 40 feet at low water.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
2007	10,400	2010	12,255	2013	9,786	<b>2016</b>	<b>15,370</b>
2008	12,935	2011	12,234	2014	10,713		
2009	9,912	2012	11,523	2015	13,321		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Foreign		Domestic
		Inbound	Outbound	Internal
				Receipts
<b>Total, all commodities</b>	<b>15,370</b>	<b>378</b>	<b>13,820</b>	<b>1,173</b>
<b>Total chemicals and related products</b>	<b>70</b>	<b>70</b>	---	---
<b>Subtotal other chemicals and related products</b>	<b>70</b>	<b>70</b>	---	---
3212 benzene & toluene	64	64	---	---
3274 sodium hydroxide	6	6	---	---
<b>Total primary manufactured goods</b>	<b>307</b>	<b>307</b>	---	---
<b>Subtotal primary iron and steel products</b>	<b>307</b>	<b>307</b>	---	---
5320 i&s primary forms	61	61	---	---
5330 i&s plates & sheets	238	238	---	---
5360 i&s bars & shapes	9	9	---	---
<b>Total food and farm products</b>	<b>14,993</b>	---	<b>13,820</b>	<b>1,173</b>
<b>Subtotal grain</b>	<b>9,952</b>	---	<b>8,779</b>	<b>1,173</b>
6241 wheat	4,903	---	3,731	1,173
6344 corn	4,496	---	4,496	---
6447 sorghum grains	552	---	552	---
<b>Subtotal oilseeds</b>	<b>5,041</b>	---	<b>5,041</b>	---
6522 soybeans	5,041	---	5,041	---



PORT OF KALAMA, WA  
Freight Traffic, 2016 - continued  
(thousand short tons)

Commodity	Grand Total	Foreign		Domestic
		Inbound	Outbound	Internal Receipts
<b>Total all manufactured equipment, machinery and products</b>	<b>0</b>	<b>0</b>	<b>---</b>	<b>---</b>
7900 manufac. prod. nec	0	0	---	---

MULTNOMAH CHANNEL, OR

Section Included: A side channel from the Willamette River near Portland, OR, to the Columbia River near St. Helens, OR, a distance of about 22 miles. Controlling Depth: 18 feet in a 300-foot channel at north end; 8 feet in a 250-foot channel at south end; 8 to 50 feet in remainder of channel. Project Depth: 25 feet deep and 5,000 feet long at the Columbia River end; 25 feet deep and 9,500 feet long at the Willamette River end.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
2007	1,694	2010	958	2013	1,278	<b>2016</b>	<b>2,130</b>
2008	1,241	2011	1,075	2014	1,553		
2009	1,084	2012	1,091	2015	2,031		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Internal			
		Inbound		Outbound	
		Upbound	Upbound	Downbnd	Downbnd
<b>Total, all commodities</b>	<b>2,130</b>	<b>735</b>	<b>152</b>	<b>1,243</b>	<b>1,243</b>
<b>Total crude materials, inedible except fuels</b>	<b>2,130</b>	<b>735</b>	<b>152</b>	<b>1,243</b>	<b>1,243</b>
<b>Subtotal forest products, wood and chips</b>	<b>12</b>	<b>---</b>	<b>---</b>	<b>12</b>	<b>12</b>
4150 fuel wood	10	---	---	10	10
4161 wood chips	2	---	---	2	2
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>2,118</b>	<b>735</b>	<b>152</b>	<b>1,231</b>	<b>1,231</b>
4331 sand & gravel	2,118	735	152	1,231	1,231
<b>Ton-miles (x1000)</b>	<b>7,448</b>	<b>1,470</b>	<b>3,504</b>	<b>2,474</b>	<b>2,474</b>

**Tons All Traffic (x1000)** **2,130**  
**Ton-miles All Traffic (x1000)** **7,448**  
**Total Trip-ton-miles Internal and Intraport (x1000)** **54,405**

OREGON SLOUGH (NORTH PORTLAND HARBOR), OR

Section Included: From deep water in the Columbia River to a point above the Portland Union Stock Yards, a distance of nearly 4 miles. Controlling Depth: 10 feet. Project Depth: 20 feet.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
2007	3,618	2010	2,458	2013	2,696	<b>2016</b>	<b>402</b>
2008	3,434	2011	2,801	2014	2,302		
2009	2,446	2012	2,810	2015	467		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Foreign		Domestic
		Inbound	Outbound	Internal
				Inbound
<b>Total, all commodities</b>	<b>402</b>	<b>137</b>	<b>133</b>	<b>132</b>
<b>Total chemicals and related products</b>	<b>0</b>	<b>---</b>	<b>0</b>	<b>---</b>
<b>Subtotal other chemicals and related products</b>	<b>0</b>	<b>---</b>	<b>0</b>	<b>---</b>
3275 inorg. elem., oxides, & halogen salts	0	---	0	---
3276 metallic salts	0	---	0	---
<b>Total crude materials, inedible except fuels</b>	<b>5</b>	<b>---</b>	<b>2</b>	<b>3</b>
<b>Subtotal forest products, wood and chips</b>	<b>1</b>	<b>---</b>	<b>1</b>	<b>---</b>
4189 lumber	1	---	1	---
<b>Subtotal pulp and waste paper</b>	<b>1</b>	<b>---</b>	<b>1</b>	<b>---</b>
4225 pulp & waste paper	1	---	1	---
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>1</b>	<b>---</b>	<b>---</b>	<b>1</b>
4331 sand & gravel	1	---	---	1
<b>Subtotal iron ore and scrap</b>	<b>2</b>	<b>---</b>	<b>0</b>	<b>2</b>
4420 iron & steel scrap	2	---	0	2
<b>Subtotal non-ferrous ores and scrap</b>	<b>1</b>	<b>---</b>	<b>1</b>	<b>---</b>
4680 non-ferrous scrap	1	---	1	---
<b>Total primary manufactured goods</b>	<b>0</b>	<b>---</b>	<b>0</b>	<b>---</b>
<b>Subtotal paper products</b>	<b>0</b>	<b>---</b>	<b>0</b>	<b>---</b>
5120 paper & paperboard	0	---	0	---
5190 paper products nec	0	---	0	---
<b>Total food and farm products</b>	<b>135</b>	<b>---</b>	<b>6</b>	<b>129</b>
<b>Subtotal grain</b>	<b>129</b>	<b>---</b>	<b>---</b>	<b>129</b>
6241 wheat	129	---	---	129
<b>Subtotal vegetable products</b>	<b>1</b>	<b>---</b>	<b>1</b>	<b>---</b>
6654 vegetables & prod.	1	---	1	---
<b>Subtotal processed grain and animal feed</b>	<b>5</b>	<b>---</b>	<b>5</b>	<b>---</b>
6781 hay & fodder	5	---	5	---
6782 animal feed, prep.	0	---	0	---

OREGON SLOUGH (NORTH PORTLAND HARBOR), OR  
Freight Traffic, 2016 - continued  
(thousand short tons)

Commodity	Grand Total	Foreign		Domestic
		Inbound	Outbound	Internal
				Inbound
<b>Subtotal other agricultural products</b>	<b>1</b>	---	<b>1</b>	---
6885 alcoholic beverages	0	---	0	---
6889 food products nec	0	---	0	---
6899 farm products nec	1	---	1	---
<b>Total all manufactured equipment, machinery and products</b>	<b>260</b>	<b>137</b>	<b>123</b>	---
7110 machinery (not elec)	0	---	0	---
7120 electrical machinery	0	---	0	---
7210 vehicles & parts	252	137	115	---
7400 manufac. wood prod.	0	---	0	---
7600 rubber & plastic pr.	8	---	8	---
7900 manufac. prod. nec	0	0	0	---
<b>Total unknown or not elsewhere classified</b>	<b>1</b>	---	<b>1</b>	---
9900 unknown or nec	1	---	1	---
<b>Tons All Traffic (x1000)</b>	<b>402</b>			
<b>Total Trip-ton-miles Internal and Intraport (x1000)</b>	<b>26,794</b>			

PORT OF VANCOUVER, WA

Section Included: (Statistics for that section of the port below Interstate Bridge are also included in the statistics for Columbia and Lower Willamette Rivers below Vancouver, WA, and Portland, OR, and statistics for section above Interstate Bridge are also included in statistics for Columbia River from Vancouver, WA, to the Dalles, OR). Controlling Depth: 35 feet at low water for that section of the port below Railroad Bridge and 14 feet for that section of the port above Interstate Bridge. Project Depth: 40 feet at low water in the lower turning basin and 35 feet at low water in the upper turning basin.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
2007	9,708	2010	8,390	2013	5,364	<b>2016</b>	<b>9,359</b>
2008	7,937	2011	7,963	2014	8,162		
2009	6,819	2012	5,846	2015	8,444		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic			
		Inbound	Outbound		Inbound	Total	Coastwise	Internal
						Receipts	Receipts	Shipments
<b>Total, all commodities</b>	<b>9,359</b>	<b>1,239</b>	<b>6,838</b>	<b>64</b>	<b>1,218</b>	<b>14</b>	<b>720</b>	<b>484</b>
<b>Total petroleum and petroleum products</b>	<b>164</b>	<b>31</b>	---	---	<b>133</b>	<b>14</b>	---	<b>118</b>
<b>Subtotal petroleum products</b>	<b>164</b>	<b>31</b>	---	---	<b>133</b>	<b>14</b>	---	<b>118</b>
2221 kerosene	14	---	---	---	14	14	---	---
2230 distillate fuel oil	149	31	---	---	118	---	---	118
<b>Total chemicals and related products</b>	<b>552</b>	<b>357</b>	<b>196</b>	---	---	---	---	---
<b>Subtotal fertilizers</b>	<b>197</b>	<b>93</b>	<b>104</b>	---	---	---	---	---
3110 nitrogenous fert.	83	83	---	---	---	---	---	---
3130 potassic fert.	104	---	104	---	---	---	---	---
3190 fert. & mixes nec	9	9	---	---	---	---	---	---
<b>Subtotal other chemicals and related products</b>	<b>356</b>	<b>264</b>	<b>92</b>	---	---	---	---	---
3274 sodium hydroxide	249	249	---	---	---	---	---	---
3276 metallic salts	91	---	91	---	---	---	---	---
3279 inorganic chem. nec	15	15	---	---	---	---	---	---
3292 starches, gluten, glue	0	0	---	---	---	---	---	---
3293 explosives	0	---	0	---	---	---	---	---
<b>Total crude materials, inedible except fuels</b>	<b>1,147</b>	<b>18</b>	<b>782</b>	---	<b>347</b>	---	---	<b>347</b>
<b>Subtotal forest products, wood and chips</b>	<b>5</b>	---	<b>5</b>	---	---	---	---	---
4189 lumber	5	---	5	---	---	---	---	---
<b>Subtotal pulp and waste paper</b>	<b>43</b>	<b>8</b>	<b>35</b>	---	---	---	---	---
4225 pulp & waste paper	43	8	35	---	---	---	---	---
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>356</b>	<b>9</b>	---	---	<b>347</b>	---	---	<b>347</b>
4310 building stone	9	9	---	---	---	---	---	---
4331 sand & gravel	347	---	---	---	347	---	---	347
<b>Subtotal iron ore and scrap</b>	<b>382</b>	<b>1</b>	<b>381</b>	---	---	---	---	---
4420 iron & steel scrap	382	1	381	---	---	---	---	---
<b>Subtotal non-ferrous ores and scrap</b>	<b>241</b>	---	<b>241</b>	---	---	---	---	---
4630 copper ore	241	---	241	---	---	---	---	---
<b>Subtotal sulphur, clay and salt</b>	<b>119</b>	---	<b>119</b>	---	---	---	---	---
4782 clay & refrac. mat.	119	---	119	---	---	---	---	---
<b>Total primary manufactured goods</b>	<b>715</b>	<b>648</b>	<b>3</b>	<b>64</b>	---	---	---	---
<b>Subtotal paper products</b>	<b>0</b>	<b>0</b>	<b>0</b>	---	---	---	---	---
5120 paper & paperboard	0	---	0	---	---	---	---	---
5190 paper products nec	0	0	---	---	---	---	---	---
<b>Subtotal lime, cement and glass</b>	<b>64</b>	---	---	<b>64</b>	---	---	---	---
5220 cement & concrete	64	---	---	64	---	---	---	---
<b>Subtotal primary iron and steel products</b>	<b>626</b>	<b>626</b>	<b>0</b>	---	---	---	---	---
5320 i&s primary forms	534	534	---	---	---	---	---	---
5330 i&s plates & sheets	39	39	---	---	---	---	---	---
5360 i&s bars & shapes	17	17	0	---	---	---	---	---

PORT OF VANCOUVER, WA  
Freight Traffic, 2016 - continued  
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic			
		Inbound	Outbound	Inbound	Total	Coastwise	Internal	
						Receipts	Receipts	Shipments
5370 i&s pipe & tube	35	35	—	—	—	—	—	—
<b>Subtotal primary non-ferrous metal products</b>	<b>21</b>	<b>21</b>	<b>0</b>	<b>0</b>	—	—	—	—
5421 copper	0	0	—	—	—	—	—	—
5429 smelted prod. nec	6	6	—	—	—	—	—	—
5480 fab. metal products	15	15	0	0	—	—	—	—
<b>Subtotal primary wood products</b>	<b>4</b>	<b>1</b>	<b>3</b>	—	—	—	—	—
5540 primary wood prod.	4	1	3	—	—	—	—	—
<b>Total food and farm products</b>	<b>6,535</b>	<b>16</b>	<b>5,780</b>	—	<b>739</b>	—	<b>720</b>	<b>20</b>
<b>Subtotal grain</b>	<b>4,999</b>	—	<b>4,275</b>	—	<b>723</b>	—	<b>720</b>	<b>4</b>
6241 wheat	3,086	—	2,363	—	723	—	720	4
6344 corn	1,913	—	1,913	—	—	—	—	—
<b>Subtotal oilseeds</b>	<b>1,452</b>	—	<b>1,452</b>	—	—	—	—	—
6522 soybeans	1,446	—	1,446	—	—	—	—	—
6590 oilseeds nec	6	—	6	—	—	—	—	—
<b>Subtotal vegetable products</b>	<b>37</b>	—	<b>37</b>	—	—	—	—	—
6654 vegetables & prod.	37	—	37	—	—	—	—	—
<b>Subtotal processed grain and animal feed</b>	<b>2</b>	—	<b>2</b>	—	—	—	—	—
6782 animal feed, prep.	2	—	2	—	—	—	—	—
<b>Subtotal other agricultural products</b>	<b>46</b>	<b>16</b>	<b>14</b>	—	<b>16</b>	—	—	<b>16</b>
6835 fish, prepared	0	—	0	—	—	—	—	—
6857 fruit & nuts nec	0	—	0	—	—	—	—	—
6865 molasses	32	16	—	—	16	—	—	16
6885 alcoholic beverages	13	—	13	—	—	—	—	—
6889 food products nec	1	—	1	—	—	—	—	—
6899 farm products nec	0	—	0	—	—	—	—	—
<b>Total all manufactured equipment, machinery and products</b>	<b>217</b>	<b>167</b>	<b>50</b>	<b>0</b>	—	—	—	—
7110 machinery (not elec)	4	4	0	—	—	—	—	—
7120 electrical machinery	6	6	0	—	—	—	—	—
7210 vehicles & parts	154	153	1	—	—	—	—	—
7400 manufac. wood prod.	1	0	0	—	—	—	—	—
7500 textile products	34	0	34	—	—	—	—	—
7600 rubber & plastic pr.	15	0	15	0	—	—	—	—
7900 manufac. prod. nec	3	3	0	—	—	—	—	—
<b>Total unknown or not elsewhere classified</b>	<b>30</b>	<b>2</b>	<b>27</b>	—	—	—	—	—
9900 unknown or nec	30	2	27	—	—	—	—	—

COLUMBIA RIVER BETWEEN VANCOUVER, WA AND THE DALLES, OR

Section Included: Columbia River between Vancouver, WA, and the Dalles, OR, a distance of about 85 miles. Controlling Depth: 15 feet between Vancouver and the Dalles. Project Depth: 27 feet.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
2007	10,993	2010	8,660	2013	9,467	<b>2016</b>	<b>8,500</b>
2008	8,267	2011	8,697	2014	9,646		
2009	8,216	2012	9,277	2015	8,403		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
<b>Total, all commodities</b>	<b>8,500</b>	<b>796</b>	<b>7</b>	<b>296</b>	<b>526</b>	<b>1,267</b>	<b>5,438</b>	<b>145</b>	<b>25</b>
<b>Total petroleum and petroleum products</b>	<b>1,101</b>	—	—	—	—	<b>1,095</b>	<b>6</b>	—	—
<b>Subtotal petroleum products</b>	<b>1,101</b>	—	—	—	—	<b>1,095</b>	<b>6</b>	—	—
2211 gasoline	388	—	—	—	—	388	—	—	—
2221 kerosene	68	—	—	—	—	68	—	—	—
2330 distillate fuel oil	645	—	—	—	—	639	6	—	—
<b>Total chemicals and related products</b>	<b>245</b>	—	—	—	—	<b>91</b>	<b>154</b>	—	—
<b>Subtotal fertilizers</b>	<b>91</b>	—	—	—	—	<b>91</b>	—	—	—
3190 fert. & mixes nec	91	—	—	—	—	91	—	—	—
<b>Subtotal other chemicals and related products</b>	<b>154</b>	—	—	—	—	—	<b>154</b>	—	—
3220 alcohols	154	—	—	—	—	—	154	—	—
<b>Total crude materials, inedible except fuels</b>	<b>2,651</b>	<b>796</b>	<b>3</b>	<b>2</b>	<b>472</b>	<b>43</b>	<b>1,164</b>	<b>145</b>	<b>25</b>
<b>Subtotal forest products, wood and chips</b>	<b>765</b>	—	<b>3</b>	<b>2</b>	<b>437</b>	<b>41</b>	<b>251</b>	<b>15</b>	<b>15</b>
4150 fuel wood	20	—	—	—	6	14	—	—	—
4161 wood chips	509	—	3	—	237	21	219	14	15
4170 wood in the rough	236	—	—	2	195	6	33	1	—
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>1,832</b>	<b>796</b>	—	—	<b>35</b>	<b>1</b>	<b>860</b>	<b>130</b>	<b>11</b>
4331 sand & gravel	1,832	796	—	—	35	1	860	130	11

COLUMBIA RIVER BETWEEN VANCOUVER, WA AND THE DALLES, OR  
Freight Traffic, 2016 - continued  
(thousand short tons)

Commodity	Grand Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
<b>Subtotal iron ore and scrap</b>	<b>53</b>	---	---	---	---	---	53	---	---
4420 iron & steel scrap	53	---	---	---	---	---	53	---	---
<b>Total food and farm products</b>	<b>4,209</b>	---	<b>4</b>	---	<b>54</b>	<b>38</b>	<b>4,113</b>	---	---
<b>Subtotal grain</b>	<b>4,198</b>	---	<b>4</b>	---	<b>54</b>	<b>27</b>	<b>4,113</b>	---	---
6241 wheat	4,198	---	4	---	54	27	4,113	---	---
<b>Subtotal other agricultural products</b>	<b>11</b>	---	---	---	---	<b>11</b>	---	---	---
6865 molasses	11	---	---	---	---	11	---	---	---
<b>Total waste and scrap nec</b>	<b>294</b>	---	---	<b>294</b>	---	---	---	---	---
8900 waste and scrap nec	294	---	---	294	---	---	---	---	---
<b>Ton-miles (x1000)</b>	<b>642,837</b>	<b>9,173</b>	<b>589</b>	<b>24,393</b>	<b>37,784</b>	<b>107,691</b>	<b>462,249</b>	<b>191</b>	<b>767</b>
<b>Tons All Traffic (x1000)</b>				<b>8,500</b>					
<b>Ton-miles All Traffic (x1000)</b>				<b>642,837</b>					
<b>Total Trip-ton-miles Internal and Intraport (x1000)</b>				<b>1,875,054</b>					

COLUMBIA RIVER ABOVE THE DALLES DAM, WA AND OR TO MCNARY LOCK AND DAM, OR AND WA

Section Included: Columbia River between the Dalles Dam and McNary Lock and Dam, a distance of about 91 miles. Controlling Depth: within the Dalles and John Day Pools, 14 feet. Project Depth: 14 feet at adopted low water.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
2007	9,316	2010	7,388	2013	7,993	<b>2016</b>	<b>7,016</b>
2008	6,923	2011	7,176	2014	8,040		
2009	7,028	2012	8,001	2015	6,926		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Internal					
		Inbound		Outbound		Through	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
<b>Total, all commodities</b>	<b>7,016</b>	<b>322</b>	<b>7</b>	<b>1,703</b>	<b>1,241</b>	<b>3,743</b>	
<b>Total petroleum and petroleum products</b>	<b>1,101</b>	---	---	---	<b>1,095</b>	<b>6</b>	
<b>Subtotal petroleum products</b>	<b>1,101</b>	---	---	---	<b>1,095</b>	<b>6</b>	
2211 gasoline	388	---	---	---	388	---	
2221 kerosene	68	---	---	---	68	---	
2330 distillate fuel oil	645	---	---	---	639	6	
<b>Total chemicals and related products</b>	<b>245</b>	---	---	<b>94</b>	<b>91</b>	<b>60</b>	
<b>Subtotal fertilizers</b>	<b>91</b>	---	---	---	<b>91</b>	---	
3190 fert. & mixes nec	91	---	---	---	91	---	
<b>Subtotal other chemicals and related products</b>	<b>154</b>	---	---	<b>94</b>	---	<b>60</b>	
3220 alcohols	154	---	---	94	---	60	
<b>Total crude materials, inedible except fuels</b>	<b>1,219</b>	<b>10</b>	<b>7</b>	<b>1,017</b>	<b>35</b>	<b>151</b>	
<b>Subtotal forest products, wood and chips</b>	<b>305</b>	<b>8</b>	<b>7</b>	<b>157</b>	<b>35</b>	<b>98</b>	
4150 fuel wood	14	---	---	---	14	---	
4161 wood chips	250	---	7	124	21	98	
4170 wood in the rough	41	8	---	33	---	---	
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>861</b>	<b>1</b>	---	<b>860</b>	---	---	
4331 sand & gravel	861	1	---	860	---	---	
<b>Subtotal iron ore and scrap</b>	<b>53</b>	---	---	---	---	<b>53</b>	
4420 iron & steel scrap	53	---	---	---	---	53	
<b>Total food and farm products</b>	<b>4,156</b>	<b>19</b>	---	<b>592</b>	<b>20</b>	<b>3,525</b>	
<b>Subtotal grain</b>	<b>4,144</b>	<b>7</b>	---	<b>592</b>	<b>20</b>	<b>3,525</b>	
6241 wheat	4,144	7	---	592	20	3,525	
<b>Subtotal other agricultural products</b>	<b>11</b>	<b>11</b>	---	---	---	---	
6865 molasses	11	11	---	---	---	---	
<b>Total waste and scrap nec</b>	<b>294</b>	<b>294</b>	---	---	---	---	
8900 waste and scrap nec	294	294	---	---	---	---	
<b>Ton-miles (x1000)</b>	<b>580,972</b>	<b>25,140</b>	<b>137</b>	<b>67,314</b>	<b>121,613</b>	<b>366,768</b>	
<b>Tons All Traffic (x1000)</b>				<b>7,016</b>			
<b>Ton-miles All Traffic (x1000)</b>				<b>580,972</b>			
<b>Total Trip-ton-miles Internal and Intraport (x1000)</b>				<b>1,789,290</b>			

PORT OF PORTLAND, OR

Section Included: (Statistics for that section of Portland Harbor below Ross Island Bridge are also included in statistics for Columbia and Lower Willamette Rivers below Vancouver, WA, and Portland, OR, and statistics for section above Ross Island Bridge are also included in statistics for Willamette River above Portland and Yamhill River, OR). Controlling depth: 28 feet from mouth to Broadway Bridge; 20 feet at low water above Ross Island Bridge to Lake Oswego: 9 feet to Oregon City. Project Depth: 40 feet at low water below Broadway Bridge; 30 feet from Broadway Bridge to foot of Ross Island, maintained by port of Portland; 8 feet at low water above foot of Ross Island. Statistics for section of Oregon Slough (North Portland Harbor), OR, are also included. Controlling Depth: 10 feet.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
2007	31,119	2010	25,949	2013	23,427	<b>2016</b>	<b>20,474</b>
2008	26,668	2011	25,479	2014	25,143		
2009	23,307	2012	25,549	2015	18,625		

Freight Traffic, 2016 (thousand short tons)

Commodity	Total	Foreign		Canadian
		Inbound	Outbound	Inbound
<b>Total, all commodities</b>	<b>12,617</b>	<b>1,642</b>	<b>10,358</b>	<b>618</b>
<b>Total petroleum and petroleum products</b>	<b>194</b>	<b>65</b>	<b>---</b>	<b>129</b>
<b>Subtotal petroleum products</b>	<b>194</b>	<b>65</b>	<b>---</b>	<b>129</b>
2211 gasoline	39	---	---	39
2330 distillate fuel oil	127	38	---	89
2540 petroleum coke	28	28	---	---
<b>Total chemicals and related products</b>	<b>5,124</b>	<b>427</b>	<b>4,698</b>	<b>---</b>
<b>Subtotal fertilizers</b>	<b>1,855</b>	<b>380</b>	<b>1,475</b>	<b>---</b>
3110 nitrogenous fert.	380	380	---	---
3130 potassic fert.	1,464	---	1,464	---
3190 fert. & mixes nec	11	---	11	---
<b>Subtotal other chemicals and related products</b>	<b>3,269</b>	<b>46</b>	<b>3,223</b>	<b>---</b>
3230 carboxylic acids	6	6	---	---
3273 ammonia	29	29	---	---
3275 inorg. elem., oxides, & halogen salts	1	---	1	---
3276 metallic salts	3,219	---	3,219	---
3292 starches, gluten, glue	0	0	---	---
3299 chem. products nec	14	12	2	---
<b>Total crude materials, inedible except fuels</b>	<b>711</b>	<b>150</b>	<b>71</b>	<b>489</b>
<b>Subtotal forest products, wood and chips</b>	<b>1</b>	<b>---</b>	<b>1</b>	<b>---</b>
4110 rubber & gums	0	---	0	---
4189 lumber	1	---	1	---
<b>Subtotal pulp and waste paper</b>	<b>1</b>	<b>---</b>	<b>1</b>	<b>---</b>
4225 pulp & waste paper	1	---	1	---
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>489</b>	<b>---</b>	<b>---</b>	<b>489</b>
4322 limestone	489	---	---	489
<b>Subtotal iron ore and scrap</b>	<b>30</b>	<b>---</b>	<b>30</b>	<b>---</b>
4420 iron & steel scrap	30	---	30	---
<b>Subtotal non-ferrous ores and scrap</b>	<b>1</b>	<b>---</b>	<b>1</b>	<b>---</b>
4680 non-ferrous scrap	1	---	1	---
<b>Subtotal sulphur, clay and salt</b>	<b>39</b>	<b>---</b>	<b>39</b>	<b>---</b>
4782 clay & refrac. mat.	39	---	39	---
<b>Subtotal slag</b>	<b>150</b>	<b>150</b>	<b>---</b>	<b>---</b>
4860 slag	150	150	---	---
<b>Total primary manufactured goods</b>	<b>617</b>	<b>617</b>	<b>0</b>	<b>---</b>
<b>Subtotal paper products</b>	<b>0</b>	<b>---</b>	<b>0</b>	<b>---</b>
5120 paper & paperboard	0	---	0	---
5190 paper products nec	0	---	0	---
<b>Subtotal lime, cement and glass</b>	<b>577</b>	<b>577</b>	<b>---</b>	<b>---</b>
5220 cement & concrete	577	577	---	---
<b>Subtotal primary iron and steel products</b>	<b>32</b>	<b>32</b>	<b>---</b>	<b>---</b>
5320 i&s primary forms	17	17	---	---
5390 primary i&s nec	16	16	---	---
<b>Subtotal primary non-ferrous metal products</b>	<b>7</b>	<b>7</b>	<b>---</b>	<b>---</b>
5429 smelted prod. nec	7	7	---	---
5480 fab. metal products	0	0	---	---
<b>Total food and farm products</b>	<b>5,436</b>	<b>0</b>	<b>5,436</b>	<b>---</b>
<b>Subtotal grain</b>	<b>4,765</b>	<b>---</b>	<b>4,765</b>	<b>---</b>
6241 wheat	4,688	---	4,688	---
6344 corn	77	---	77	---
<b>Subtotal oilseeds</b>	<b>506</b>	<b>---</b>	<b>506</b>	<b>---</b>
6522 soybeans	506	---	506	---
<b>Subtotal vegetable products</b>	<b>159</b>	<b>---</b>	<b>159</b>	<b>---</b>
6654 vegetables & prod.	159	---	159	---
<b>Subtotal processed grain and animal feed</b>	<b>5</b>	<b>---</b>	<b>5</b>	<b>---</b>
6781 hay & fodder	5	---	5	---
6782 animal feed, prep.	1	---	1	---
<b>Subtotal other agricultural products</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>---</b>
6861 sugar	0	0	---	---
6885 alcoholic beverages	0	---	0	---
6889 food products nec	0	---	0	---
6899 farm products nec	1	---	1	---
<b>Total all manufactured equipment, machinery and products</b>	<b>517</b>	<b>383</b>	<b>134</b>	<b>---</b>
7110 machinery (not elec)	0	---	0	---
7120 electrical machinery	0	0	0	---
7210 vehicles & parts	498	383	115	---
7400 manufac. wood prod.	0	---	0	---
7500 textile products	9	---	9	---
7600 rubber & plastic pr.	8	---	8	---
7900 manufac. prod. nec	2	0	2	---
<b>Total unknown or not elsewhere classified</b>	<b>19</b>	<b>---</b>	<b>19</b>	<b>---</b>
9900 unknown or nec	19	---	19	---

PORT OF PORTLAND, OR  
Freight Traffic, 2016 - continued  
(thousand short tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Inraport
<b>Total, all commodities</b>	<b>7,857</b>	<b>1,990</b>	<b>167</b>	<b>4,298</b>	<b>1,079</b>	<b>323</b>
<b>Total petroleum and petroleum products</b>	<b>3,217</b>	<b>1,990</b>	<b>167</b>	<b>38</b>	<b>1,009</b>	<b>14</b>
<b>Subtotal crude petroleum</b>	<b>32</b>	—	<b>32</b>	—	—	—
2100 crude petroleum	32	—	32	—	—	—
<b>Subtotal petroleum products</b>	<b>3,185</b>	<b>1,990</b>	<b>135</b>	<b>38</b>	<b>1,009</b>	<b>14</b>
2211 gasoline	1,206	812	5	—	388	—
2221 kerosene	444	376	—	—	68	—
2330 distillate fuel oil	1,412	684	124	38	552	14
2350 lube oil & greases	124	118	6	—	—	—
<b>Total chemicals and related products</b>	<b>190</b>	—	—	<b>155</b>	<b>35</b>	—
<b>Subtotal fertilizers</b>	<b>36</b>	—	—	<b>1</b>	<b>35</b>	—
3190 fert. & mixes nec	36	—	—	1	35	—
<b>Subtotal other chemicals and related products</b>	<b>154</b>	—	—	<b>154</b>	—	—
3220 alcohols	154	—	—	154	—	—
<b>Total crude materials, inedible except fuels</b>	<b>1,984</b>	—	—	<b>1,676</b>	<b>1</b>	<b>307</b>
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>1,932</b>	—	—	<b>1,623</b>	<b>1</b>	<b>307</b>
4331 sand & gravel	1,932	—	—	1,623	1	307
<b>Subtotal iron ore and scrap</b>	<b>53</b>	—	—	<b>53</b>	—	—
4420 iron & steel scrap	53	—	—	53	—	—
<b>Total primary manufactured goods</b>	<b>440</b>	—	—	<b>440</b>	—	—
<b>Subtotal paper products</b>	<b>440</b>	—	—	<b>440</b>	—	—
5190 paper products nec	440	—	—	440	—	—
<b>Total food and farm products</b>	<b>2,025</b>	—	—	<b>1,988</b>	<b>34</b>	<b>3</b>
<b>Subtotal grain</b>	<b>1,998</b>	—	—	<b>1,972</b>	<b>23</b>	<b>3</b>
6241 wheat	1,998	—	—	1,972	23	3
<b>Subtotal other agricultural products</b>	<b>27</b>	—	—	<b>16</b>	<b>11</b>	—
6865 molasses	27	—	—	16	11	—

WILLAMETTE RIVER ABOVE PORTLAND AND YAMHILL RIVER, OR

Section Included: Willamette River from Portland to Harrisburg, OR, a distance of 159 miles, and Yamhill River from mouth to mile 4.0. Controlling Depth: 8 feet from Portland to Oregon City; 3 feet to Corvallis; 4 feet on Yamhill River from mouth to mile 4.0. Project Depth: Willamette River, 8 feet from Portland to Oregon City; 6 feet from Oregon City to mouth of Santiam River; 5 feet from mouth of Santiam River to Albany; 2.5 feet to 3.5 feet from Albany to Corvallis; no depths prescribed from Corvallis to Harrisburg; Yamhill River, 4 feet from mouth to mile 4.0.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
2007	1,585	2010	597	2013	1,033	<b>2016</b>	<b>1,147</b>
2008	1,161	2011	1,007	2014	1,117		
2009	469	2012	975	2015	852		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Internal	
		Inbound Upbound	Outbound Downbnd
<b>Total, all commodities</b>	<b>1,147</b>	<b>838</b>	<b>309</b>
<b>Total crude materials, inedible except fuels</b>	<b>1,147</b>	<b>838</b>	<b>309</b>
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>1,147</b>	<b>838</b>	<b>309</b>
4331 sand & gravel	1,147	838	309
<b>Tons All Traffic (x1000)</b>	<b>1,147</b>		
<b>Total Trip-ton-miles Internal and Inraport (x1000)</b>	<b>90,829</b>		

COOS BAY, OR

Section Included: From sea to Millington, a distance of 17 miles. (Same section and statistics apply to Port of Coos Bay). Maintained Depth: 47 feet in entrance channel: 37 feet in inner channel to mile 15; 22 feet in Isthmus Slough to Millington. Turning basins of 37 feet deep opposite Coalbank Slough and at the city of North Bend. Anchorage basins 37 feet at mile 3.5 and near mile 7; a channel 22 feet deep from Smith's Mill (mile 15) to Millington; mooring basin for small boats at Charleston, with a connecting channel 16 feet deep, maintained by local interest, to deep water in Coos Bay.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
2007	1,934	2010	1,586	2013	2,106	<b>2016</b>	<b>2,088</b>
2008	1,733	2011	2,332	2014	1,859		
2009	1,328	2012	1,958	2015	1,755		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Foreign	Canadian	Domestic
		Outbound	Inbound	Coastwise Shipments
<b>Total, all commodities</b>	<b>2,088</b>	<b>1,872</b>	<b>173</b>	<b>43</b>
<b>Total crude materials, inedible except fuels</b>	<b>2,088</b>	<b>1,872</b>	<b>173</b>	<b>43</b>
<b>Subtotal forest products, wood and chips</b>	<b>2,088</b>	<b>1,872</b>	<b>173</b>	<b>43</b>
4161 wood chips	1,577	1,533	—	43
4170 wood in the rough	512	339	173	—

COLUMBIA RIVER SYSTEM

Section Included: Main channels and all navigable tributaries of the Columbia, Willamette and Snake Rivers.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
2007	58,871	2010	55,045	2013	55,701	<b>2016</b>	<b>61,651</b>
2008	55,286	2011	54,754	2014	62,013		
2009	46,372	2012	57,267	2015	55,003		

Freight Traffic, 2016 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Inbound	Outbound	Inbound	Outbound
<b>Total, all commodities</b>	<b>47,553</b>	<b>4,056</b>	<b>42,677</b>	<b>681</b>	<b>138</b>
<b>Total petroleum and petroleum products</b>	<b>1,117</b>	<b>186</b>	<b>664</b>	<b>129</b>	<b>138</b>
<b>Subtotal petroleum products</b>	<b>1,117</b>	<b>186</b>	<b>664</b>	<b>129</b>	<b>138</b>
2211 gasoline	39	—	—	39	—
2330 distillate fuel oil	158	69	—	89	—
2540 petroleum coke	920	117	664	—	138
<b>Total chemicals and related products</b>	<b>6,196</b>	<b>878</b>	<b>5,318</b>	—	—
<b>Subtotal fertilizers</b>	<b>2,081</b>	<b>485</b>	<b>1,596</b>	—	—
3110 nitrogenous fert.	464	464	—	—	—
3130 potassic fert.	1,586	—	1,586	—	—
3190 fert. & mixes nec	32	21	11	—	—
<b>Subtotal other chemicals and related products</b>	<b>4,115</b>	<b>394</b>	<b>3,722</b>	—	—
3212 benzene & toluene	64	64	—	—	—
3220 alcohols	93	—	93	—	—
3230 carboxylic acids	13	13	—	—	—
3273 ammonia	29	29	—	—	—
3274 sodium hydroxide	260	260	—	—	—
3275 inorg. elem., oxides, & halogen salts	1	—	1	—	—
3276 metallic salts	3,626	—	3,626	—	—
3279 inorganic chem. nec	15	15	—	—	—
3292 starches, gluten, glue	0	0	—	—	—
3293 explosives	0	—	0	—	—
3299 chem. products nec	14	12	2	—	—
<b>Total crude materials, inedible except fuels</b>	<b>5,277</b>	<b>825</b>	<b>3,963</b>	<b>489</b>	—
<b>Subtotal forest products, wood and chips</b>	<b>2,921</b>	—	<b>2,921</b>	—	—
4110 rubber & gums	0	—	0	—	—
4170 wood in the rough	2,704	—	2,704	—	—
4189 lumber	217	—	217	—	—
<b>Subtotal pulp and waste paper</b>	<b>56</b>	<b>8</b>	<b>48</b>	—	—
4225 pulp & waste paper	56	8	48	—	—
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>963</b>	<b>474</b>	<b>0</b>	<b>489</b>	—
4310 building stone	9	9	—	—	—
4322 limestone	489	—	—	489	—
4323 gypsum	465	465	—	—	—
4331 sand & gravel	0	—	0	—	—
<b>Subtotal iron ore and scrap</b>	<b>598</b>	<b>41</b>	<b>557</b>	—	—
4410 iron ore	40	40	—	—	—
4420 iron & steel scrap	557	1	557	—	—
<b>Subtotal non-ferrous ores and scrap</b>	<b>242</b>	—	<b>242</b>	—	—
4630 copper ore	241	—	241	—	—
4680 non-ferrous scrap	1	—	1	—	—
<b>Subtotal sulphur, clay and salt</b>	<b>340</b>	<b>152</b>	<b>189</b>	—	—
4782 clay & refrac. mat.	189	—	189	—	—
4783 salt	152	152	—	—	—
<b>Subtotal slag</b>	<b>150</b>	<b>150</b>	—	—	—
4860 slag	150	150	—	—	—
<b>Subtotal other non-metal. min.</b>	<b>7</b>	—	<b>7</b>	—	—
4900 non-metal. min. nec	7	—	7	—	—
<b>Total primary manufactured goods</b>	<b>1,770</b>	<b>1,587</b>	<b>119</b>	<b>64</b>	—
<b>Subtotal paper products</b>	<b>83</b>	<b>0</b>	<b>83</b>	—	—
5110 newsprint	10	—	10	—	—

COLUMBIA RIVER SYSTEM  
Freight Traffic, 2016 - continued  
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Inbound	Outbound	Inbound	Outbound
5120 paper & paperboard	74	—	74	—	—
5190 paper products nec	0	0	0	—	—
<b>Subtotal lime, cement and glass</b>	<b>656</b>	<b>577</b>	<b>14</b>	<b>64</b>	<b>—</b>
5220 cement & concrete	641	577	—	64	—
5290 misc. mineral prod.	14	—	14	—	—
<b>Subtotal primary iron and steel products</b>	<b>980</b>	<b>980</b>	<b>0</b>	<b>—</b>	<b>—</b>
5320 i&s primary forms	617	617	—	—	—
5330 i&s plates & sheets	286	286	—	—	—
5360 i&s bars & shapes	26	26	0	—	—
5370 i&s pipe & tube	35	35	—	—	—
5390 primary i&s nec	16	16	—	—	—
<b>Subtotal primary non-ferrous metal products</b>	<b>48</b>	<b>29</b>	<b>19</b>	<b>0</b>	<b>—</b>
5421 copper	0	0	—	—	—
5422 aluminum	0	0	—	—	—
5429 smelted prod. nec	12	12	—	—	—
5480 fab. metal products	35	16	19	0	—
<b>Subtotal primary wood products</b>	<b>4</b>	<b>1</b>	<b>3</b>	<b>—</b>	<b>—</b>
5540 primary wood prod.	4	1	3	—	—
<b>Total food and farm products</b>	<b>32,368</b>	<b>16</b>	<b>32,352</b>	<b>—</b>	<b>—</b>
<b>Subtotal fish</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>
6134 fish (not shellfish)	0	0	—	—	—
<b>Subtotal grain</b>	<b>22,468</b>	<b>—</b>	<b>22,468</b>	<b>—</b>	<b>—</b>
6241 wheat	12,665	—	12,665	—	—
6344 corn	9,251	—	9,251	—	—
6447 sorghum grains	552	—	552	—	—
<b>Subtotal oilseeds</b>	<b>9,553</b>	<b>—</b>	<b>9,553</b>	<b>—</b>	<b>—</b>
6522 soybeans	9,470	—	9,470	—	—
6590 oilseeds nec	83	—	83	—	—
<b>Subtotal vegetable products</b>	<b>196</b>	<b>—</b>	<b>196</b>	<b>—</b>	<b>—</b>
6654 vegetables & prod.	196	—	196	—	—
<b>Subtotal processed grain and animal feed</b>	<b>120</b>	<b>—</b>	<b>120</b>	<b>—</b>	<b>—</b>
6781 hay & fodder	5	—	5	—	—
6782 animal feed, prep.	114	—	114	—	—
<b>Subtotal other agricultural products</b>	<b>31</b>	<b>16</b>	<b>15</b>	<b>—</b>	<b>—</b>
6835 fish, prepared	0	—	0	—	—
6857 fruit & nuts nec	0	—	0	—	—
6861 sugar	0	0	—	—	—
6865 molasses	16	16	—	—	—
6885 alcoholic beverages	13	—	13	—	—
6889 food products nec	1	—	1	—	—
6899 farm products nec	1	—	1	—	—
<b>Total all manufactured equipment, machinery and products</b>	<b>741</b>	<b>556</b>	<b>185</b>	<b>0</b>	<b>0</b>
7110 machinery (not elec)	6	6	0	—	—
7120 electrical machinery	9	8	0	—	0
7210 vehicles & parts	652	536	116	—	—
7400 manufac. wood prod.	1	0	0	—	—
7500 textile products	43	0	43	—	—
7600 rubber & plastic pr.	24	0	23	0	—
7900 manufac. prod. nec	6	4	2	—	—
<b>Total unknown or not elsewhere classified</b>	<b>84</b>	<b>8</b>	<b>76</b>	<b>—</b>	<b>—</b>
9900 unknown or nec	84	8	76	—	—
<b>Ton-miles (x1000)</b>	<b>2,746,890</b>	<b>216,825</b>	<b>2,509,745</b>	<b>11,627</b>	<b>8,693</b>
<b>Foreign &amp; Canadian</b>					

Commodity	Total	Domestic			
		Coastwise		Internal	
		Receipts	Shipments	Upbound	Downbnd
<b>Total, all commodities</b>	<b>14,099</b>	<b>2,242</b>	<b>631</b>	<b>7,913</b>	<b>3,313</b>
<b>Total petroleum and petroleum products</b>	<b>3,342</b>	<b>2,004</b>	<b>191</b>	<b>1,137</b>	<b>10</b>
<b>Subtotal crude petroleum</b>	<b>56</b>	<b>—</b>	<b>56</b>	<b>—</b>	<b>—</b>
2100 crude petroleum	56	—	56	—	—
<b>Subtotal petroleum products</b>	<b>3,286</b>	<b>2,004</b>	<b>135</b>	<b>1,137</b>	<b>10</b>
2211 gasoline	1,206	812	5	388	—
2221 kerosene	458	390	—	68	—
2330 distillate fuel oil	1,498	684	124	680	10
2350 lube oil & greases	124	118	6	—	—
<b>Total chemicals and related products</b>	<b>263</b>	<b>—</b>	<b>11</b>	<b>251</b>	<b>—</b>
<b>Subtotal fertilizers</b>	<b>97</b>	<b>—</b>	<b>—</b>	<b>97</b>	<b>—</b>
3190 fert. & mixes nec	97	—	—	97	—
<b>Subtotal other chemicals and related products</b>	<b>165</b>	<b>—</b>	<b>11</b>	<b>154</b>	<b>—</b>
3220 alcohols	165	—	11	154	—
3299 chem. products nec	0	—	0	—	—
<b>Total crude materials, inedible except fuels</b>	<b>5,357</b>	<b>238</b>	<b>280</b>	<b>3,761</b>	<b>1,078</b>
<b>Subtotal forest products, wood and chips</b>	<b>1,441</b>	<b>238</b>	<b>280</b>	<b>171</b>	<b>753</b>
4150 fuel wood	20	—	—	14	6
4161 wood chips	897	229	—	147	520
4170 wood in the rough	236	—	—	9	227
4189 lumber	288	8	280	—	—
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>3,863</b>	<b>—</b>	<b>—</b>	<b>3,538</b>	<b>326</b>
4331 sand & gravel	3,863	—	—	3,538	326
<b>Subtotal iron ore and scrap</b>	<b>53</b>	<b>—</b>	<b>—</b>	<b>53</b>	<b>—</b>
4420 iron & steel scrap	53	—	—	53	—



COLUMBIA RIVER SYSTEM  
Freight Traffic, 2016 - continued  
(thousand short tons)

Commodity	Total	Domestic			
		Coastwise		Internal	
		Receipts	Shipments	Upbound	Downbnd
<b>Total primary manufactured goods</b>	<b>443</b>	---	<b>2</b>	<b>440</b>	---
<b>Subtotal paper products</b>	<b>440</b>	---	<b>0</b>	<b>440</b>	---
5120 paper & paperboard	0	---	0	---	---
5190 paper products nec	440	---	---	440	---
<b>Subtotal lime, cement and glass</b>	<b>0</b>	---	<b>0</b>	---	---
5290 misc. mineral prod.	0	---	0	---	---
<b>Subtotal primary non-ferrous metal products</b>	<b>0</b>	---	<b>0</b>	---	---
5480 fab. metal products	0	---	0	---	---
<b>Subtotal primary wood products</b>	<b>2</b>	---	<b>2</b>	---	---
5540 primary wood prod.	2	---	2	---	---
<b>Total food and farm products</b>	<b>4,254</b>	---	---	<b>2,030</b>	<b>2,224</b>
<b>Subtotal grain</b>	<b>4,227</b>	---	---	<b>2,002</b>	<b>2,224</b>
6241 wheat	4,227	---	---	2,002	2,224
<b>Subtotal other agricultural products</b>	<b>27</b>	---	---	<b>27</b>	---
6865 molasses	27	---	---	27	---
<b>Total all manufactured equipment, machinery and products</b>	<b>147</b>	---	<b>147</b>	---	---
7400 manufac. wood prod.	0	---	0	---	---
7900 manufac. prod. nec	147	---	147	---	---
<b>Total waste and scrap nec</b>	<b>294</b>	---	---	<b>294</b>	---
8900 waste and scrap nec	294	---	---	294	---
<b>Ton-miles (x1000)</b>	<b>674,085</b>	<b>29,617</b>	<b>30,326</b>	<b>380,936</b>	<b>233,205</b>
<b>Domestic</b>					
<b>Tons All Traffic (x1000)</b>					<b>61,651</b>
<b>Ton-miles All Traffic (x1000)</b>					<b>3,420,975</b>
<b>Total Trip-ton-miles Internal and Intraport (x1000)</b>					<b>1,954,938</b>

Other Harbors and Waterways 2016

Harbor or Waterway Project	Commodity	Thousand Short Tons
ALSEA BAY AND RIVER, OR	No Commerce Reported	
CHETCO RIVER, OR	No Commerce Reported	
CHINOOK CHANNEL, WA	No Commerce Reported	
CLATSKANIE RIVER, OR	No Commerce Reported	
COLUMBIA RIVER AT BAKERS BAY, WA	No Commerce Reported	
COLUMBIA SLOUGH, OR	No Commerce Reported	
COOS AND MILLICOMA RIVERS, OR	No Commerce Reported	
COQUILLE RIVER, OR	No Commerce Reported	
COWLITZ RIVER, WA	No Commerce Reported	
DEEP RIVER, WA	No Commerce Reported	
DEPOE BAY, OR	No Commerce Reported	
ELOKOMIN SLOUGH, WA	No Commerce Reported	
GRAYS RIVER, WA	No Commerce Reported	
LAKE RIVER, WA	No Commerce Reported	
LEWIS RIVER, WA	No Commerce Reported	
PORT OF ST. HELENS, OR	No Commerce Reported	
PORT ORFORD, OR	No Commerce Reported	
ROGUE RIVER, OR	No Commerce Reported	
SIUSLAW RIVER, OR	No Commerce Reported	
SKAMOKAWA (STEAMBOAT) SLOUGH, WA	No Commerce Reported	
SKAMOKAWA CREEK, WA	No Commerce Reported	
SKIPANON CHANNEL, OR	4161 wood chips	38
	<b>Total Tons(x1000)</b>	<b>38</b>
	<b>Total Ton-miles(x1000)</b>	<b>38</b>
	<b>Total Trip-ton-miles Internal and Intraport (x1000)</b>	<b>6,240</b>
SMITH RIVER, OR	No Commerce Reported	
TILLAMOOK BAY AND BAR, OR	No Commerce Reported	
UMPQUA RIVER, OR	No Commerce Reported	
WESTPORT SLOUGH, OR	No Commerce Reported	
YAQUINA BAY AND HARBOR, OR	6134 fish (not shellfish)	0
	7900 manufac. prod. nec	0
	<b>Total Tons(x1000)</b>	<b>0</b>
	<b>Total Ton-miles(x1000)</b>	<b>0</b>
YAQUINA RIVER, OR	No Commerce Reported	
YOUNGS BAY AND YOUNGS RIVER, OR	No Commerce Reported	

GRAYS HARBOR AND CHEHALIS RIVER, WA

Section Included: Grays Harbor bar channel and Chehalis River to Cosmopolis and extending to Simpson Avenue bridge on the Hoquiam River and the Schafer Bros. wharf at Montesano on the Chehalis River. Controlling Depth: Bar channel, 37.1 feet; 25.5 feet from deep water in Lower Harbor to Upper Cross-Over; 27.0 feet from Upper Cross-Over to Cow Point; 25.6 feet from Cow Point to Cosmopolis; turning basin just downstream of Cow Point, 29.0 feet; turning basin near Elliott Slough, 25.5 feet. 5.5 feet from Cosmopolis to Montesano; Bay City channel, 9.1 feet; Westhaven Channel, 13.9 feet north entrance, 13.0 feet south entrance. Project Depth: 30 feet extending through the bar channel to Cosmopolis; Bay 16 feet to Montesano; Bay City channel, 14 feet; Westhaven channel, 16 feet. All depths refer to mlw.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
2007	1,245	2010	1,680	2013	2,571	<b>2016</b>	<b>2,308</b>
2008	1,678	2011	1,651	2014	2,629		
2009	1,162	2012	1,921	2015	2,203		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic
		Inbound	Outbound	Inbound	Outbound	Coastwise Shipments
<b>Total, all commodities</b>	<b>2,308</b>	<b>61</b>	<b>2,048</b>	<b>102</b>	<b>31</b>	<b>66</b>
<b>Total petroleum and petroleum products</b>	<b>1</b>	<b>---</b>	<b>1</b>	<b>---</b>	<b>---</b>	<b>---</b>
Subtotal petroleum products	1	---	1	---	---	---
2330 distillate fuel oil	1	---	1	---	---	---
<b>Total chemicals and related products</b>	<b>36</b>	<b>19</b>	<b>16</b>	<b>---</b>	<b>---</b>	<b>---</b>
Subtotal other chemicals and related products	36	19	16	---	---	---
3220 alcohols	36	19	16	---	---	---
<b>Total crude materials, inedible except fuels</b>	<b>187</b>	<b>---</b>	<b>120</b>	<b>---</b>	<b>---</b>	<b>66</b>
Subtotal forest products, wood and chips	187	---	120	---	---	66
4161 wood chips	66	---	---	---	---	66
4170 wood in the rough	58	---	58	---	---	---
4189 lumber	62	---	62	---	---	---
<b>Total primary manufactured goods</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>---</b>	<b>---</b>	<b>---</b>
Subtotal primary non-ferrous metal products	0	0	0	---	---	---
5480 fab. metal products	0	0	0	---	---	---
<b>Total food and farm products</b>	<b>1,932</b>	<b>---</b>	<b>1,830</b>	<b>102</b>	<b>---</b>	<b>---</b>
Subtotal oilseeds	1,222	---	1,222	---	---	---
6522 soybeans	99	---	99	---	---	---
6590 oilseeds nec	1,123	---	1,123	---	---	---
<b>Subtotal vegetable products</b>	<b>102</b>	<b>---</b>	<b>0</b>	<b>102</b>	<b>---</b>	<b>---</b>
6653 vegetable oils	102	---	---	102	---	---
6654 vegetables & prod.	0	---	0	---	---	---
<b>Subtotal processed grain and animal feed</b>	<b>607</b>	<b>---</b>	<b>607</b>	<b>---</b>	<b>---</b>	<b>---</b>
6782 animal feed, prep.	607	---	607	---	---	---
<b>Total all manufactured equipment, machinery and products</b>	<b>117</b>	<b>39</b>	<b>78</b>	<b>---</b>	<b>---</b>	<b>---</b>
7110 machinery (not elec)	3	2	1	---	---	---
7120 electrical machinery	0	---	0	---	---	---
7210 vehicles & parts	112	36	76	---	---	---
7220 aircraft & parts	0	---	0	---	---	---
7500 textile products	0	---	0	---	---	---
7600 rubber & plastic pr.	0	0	0	---	---	---
7900 manufac. prod. nec	1	1	1	---	---	---
<b>Total unknown or not elsewhere classified</b>	<b>35</b>	<b>2</b>	<b>2</b>	<b>---</b>	<b>31</b>	<b>---</b>
9900 unknown or nec	35	2	2	---	31	---

PORT ANGELES HARBOR, WA

Section Included: Entire harbor from Rayonier, Inc. Wharf westward. Controlling Depth: Unlimited except for 25 feet near Rayonier, Inc. Wharf. All depths refer to mlw.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
2007	1,906	2010	720	2013	650	<b>2016</b>	<b>622</b>
2008	1,245	2011	927	2014	787		
2009	649	2012	731	2015	677		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Foreign	Canadian	Domestic				
		Outbound	Inbound	Total	Internal			
					Coastwise Receipts	Receipts	Shipments	Inraport
<b>Total, all commodities</b>	<b>622</b>	<b>506</b>	<b>16</b>	<b>100</b>	<b>6</b>	<b>71</b>	<b>22</b>	<b>1</b>
<b>Total petroleum and petroleum products</b>	<b>73</b>	<b>---</b>	<b>---</b>	<b>73</b>	<b>6</b>	<b>60</b>	<b>5</b>	<b>1</b>
Subtotal petroleum products	73	---	---	73	6	60	5	1
2330 distillate fuel oil	6	---	---	6	6	---	---	---
2340 residual fuel oil	66	---	---	66	---	60	5	1
<b>Total crude materials, inedible except fuels</b>	<b>549</b>	<b>506</b>	<b>16</b>	<b>28</b>	<b>---</b>	<b>11</b>	<b>17</b>	<b>---</b>
Subtotal forest products, wood and chips	549	506	16	28	---	11	17	---
4170 wood in the rough	549	506	16	28	---	11	17	---

HAMMERSLEY INLET, WA

Section Included: Inlet connecting Puget Sound with Shelton Harbor, a distance of about 7 miles. Controlling Depth: 8.8 feet. project Depth: 13 feet. All depths refer to mlw.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
2007	364	2010	420	2013	1,322	<b>2016</b>	<b>1,297</b>
2008	450	2011	511	2014	1,139		
2009	476	2012	797	2015	1,153		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Internal	
		Inbound	Outbound
		Upbound	Downbnd
<b>Total, all commodities</b>	<b>1,297</b>	<b>478</b>	<b>820</b>
<b>Total crude materials, inedible except fuels</b>	<b>1,297</b>	<b>478</b>	<b>820</b>
<b>Subtotal forest products, wood and chips</b>	<b>105</b>	<b>---</b>	<b>105</b>
4170 wood in the rough	105	---	105
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>1,192</b>	<b>478</b>	<b>715</b>
4331 sand & gravel	1,192	478	715
<b>Ton-miles (x1000)</b>	<b>12,974</b>	<b>4,775</b>	<b>8,199</b>

**Tons All Traffic (x1000)** 1,297  
**Ton-miles All Traffic (x1000)** 12,974  
**Total Trip-ton-miles Internal and Intraport (x1000)** 73,216

OLYMPIA HARBOR, WA

Section Included: That portion of Budd Inlet south and west of Priest Point and generally within the city limits of Olympia. Controlling Depth: 29.4 feet in outer channel, 29.4 feet in entrance channel and 27.7 feet in turning basin. Project Depth: 30 feet. All depths refer to mlw.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
2007	950	2010	1,269	2013	1,794	<b>2016</b>	<b>1,272</b>
2008	1,026	2011	1,357	2014	1,563		
2009	995	2012	1,354	2015	1,138		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Foreign		Domestic			
		Inbound	Outbound	Total	Internal		
		Receipts	Shipments		Intraport		
<b>Total, all commodities</b>	<b>1,272</b>	<b>45</b>	<b>713</b>	<b>514</b>	<b>215</b>	<b>34</b>	<b>264</b>
<b>Total crude materials, inedible except fuels</b>	<b>1,235</b>	<b>8</b>	<b>713</b>	<b>514</b>	<b>215</b>	<b>34</b>	<b>264</b>
<b>Subtotal forest products, wood and chips</b>	<b>1,227</b>	<b>---</b>	<b>713</b>	<b>514</b>	<b>215</b>	<b>34</b>	<b>264</b>
4170 wood in the rough	1,160	---	647	514	215	34	264
4189 lumber	66	---	66	---	---	---	---
<b>Subtotal non-ferrous ores and scrap</b>	<b>8</b>	<b>8</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>
4650 aluminum ore	8	8	---	---	---	---	---
<b>Total primary manufactured goods</b>	<b>0</b>	<b>---</b>	<b>0</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>
<b>Subtotal primary non-ferrous metal products</b>	<b>0</b>	<b>---</b>	<b>0</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>
5480 fab. metal products	0	---	0	---	---	---	---
<b>Total food and farm products</b>	<b>37</b>	<b>37</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>
<b>Subtotal grain</b>	<b>37</b>	<b>37</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>
6344 corn	37	37	---	---	---	---	---
<b>Total all manufactured equipment, machinery and products</b>	<b>0</b>	<b>---</b>	<b>0</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>
7110 machinery (not elec)	0	---	0	---	---	---	---

TACOMA HARBOR, WA

Section Included: All of Commencement Bay and tributary waterways east of a line extending from Brown Point to and including the wharves of the Tacoma Smelter. Controlling Depth: City Waterway, 28.9 to 16.2 feet; Hylebos Waterway, 23.4 feet; least depth in turning basin 27.1 feet; Blair (Port Industrial Waterway), 32.8 feet. Project Depth: City Waterway, 29 to 19 feet; Hylebos Waterway, 30 feet; Blair (Port Industrial Waterway), 30 to 35 feet. All depths refer to mlw.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
2007	26,944	2010	22,399	2013	22,906	<b>2016</b>	<b>25,712</b>
2008	27,166	2011	24,151	2014	25,141		
2009	23,165	2012	24,931	2015	22,626		

Freight Traffic, 2016 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Inbound	Outbound	Inbound	Outbound
<b>Total, all commodities</b>	<b>21,180</b>	<b>7,179</b>	<b>12,702</b>	<b>1,164</b>	<b>136</b>
<b>Total coal</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>---</b>
1100 coal & lignite	1	0	0	0	---
1200 coal coke	0	0	0	---	---
<b>Total petroleum and petroleum products</b>	<b>624</b>	<b>9</b>	<b>18</b>	<b>598</b>	<b>---</b>
<b>Subtotal crude petroleum</b>	<b>242</b>	<b>---</b>	<b>---</b>	<b>242</b>	<b>---</b>
2100 crude petroleum	242	---	---	242	---

TACOMA HARBOR, WA  
Freight Traffic, 2016 - continued  
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Inbound	Outbound	Inbound	Outbound
<b>Subtotal petroleum products</b>	<b>382</b>	<b>9</b>	<b>18</b>	<b>355</b>	<b>—</b>
2211 gasoline	351	0	0	351	—
2221 kerosene	0	0	0	—	—
2330 distillate fuel oil	5	0	0	5	—
2340 residual fuel oil	0	0	0	—	—
2350 lube oil & greases	2	1	2	—	—
2410 petro. jelly & waxes	0	0	0	—	—
2429 naphtha & solvents	18	4	14	0	—
2430 asphalt, tar & pitch	0	0	0	—	—
2540 petroleum coke	2	0	2	—	—
2640 hydrocarbon & petrol gases. liquefied and gaseous	4	3	1	—	—
<b>Total chemicals and related products</b>	<b>838</b>	<b>515</b>	<b>240</b>	<b>1</b>	<b>82</b>
<b>Subtotal fertilizers</b>	<b>15</b>	<b>13</b>	<b>2</b>	<b>—</b>	<b>—</b>
3110 nitrogenous fert.	11	11	0	—	—
3120 phosphatic fert.	0	0	—	—	—
3130 potassic fert.	0	0	0	—	—
3190 fert. & mixes nec	4	2	2	—	—
<b>Subtotal other chemicals and related products</b>	<b>822</b>	<b>502</b>	<b>238</b>	<b>1</b>	<b>82</b>
3211 acyclic hydrocarbons	1	1	0	—	—
3212 benzene & toluene	0	0	0	—	—
3219 other hydrocarbons	5	5	0	—	—
3220 alcohols	17	7	10	—	—
3230 carboxylic acids	43	28	14	—	—
3240 nitrogen func. comp.	13	10	4	0	—
3250 organo - inorg. comp.	7	7	0	—	—
3260 organic comp. nec	14	8	6	—	—
3272 sulphuric acid	2	1	1	—	—
3273 ammonia	1	1	0	—	—
3274 sodium hydroxide	2	1	1	—	—
3275 inorg. elem., oxides, & halogen salts	65	36	23	0	6
3276 metallic salts	66	32	34	—	—
3279 inorganic chem. nec	17	5	13	—	—
3281 radioactive material	5	3	2	—	—
3282 pigments & paints	16	10	6	—	—
3283 coloring mat. nec	6	3	3	—	—
3284 medicines	33	16	17	—	—
3285 perfumes & cleansers	40	17	23	—	—
3286 plastics	277	224	52	0	—
3291 pesticides	16	16	0	0	—
3292 starches, gluten, glue	46	34	11	0	—
3293 explosives	1	1	0	—	—
3297 chemical additives	10	4	6	0	—
3298 wood & resin chem.	1	1	—	—	—
3299 chem. products nec	118	31	11	—	76
<b>Total crude materials, inedible except fuels</b>	<b>2,957</b>	<b>460</b>	<b>1,953</b>	<b>525</b>	<b>19</b>
<b>Subtotal forest products, wood and chips</b>	<b>854</b>	<b>95</b>	<b>757</b>	<b>2</b>	<b>—</b>
4110 rubber & gums	3	3	1	—	—
4150 fuel wood	9	1	8	0	—
4161 wood chips	1	0	1	—	—
4170 wood in the rough	436	16	418	1	—
4189 lumber	394	65	328	1	—
4190 forest products nec	11	9	2	—	—
<b>Subtotal pulp and waste paper</b>	<b>582</b>	<b>3</b>	<b>579</b>	<b>0</b>	<b>—</b>
4225 pulp & waste paper	582	3	579	0	—
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>531</b>	<b>335</b>	<b>4</b>	<b>174</b>	<b>19</b>
4310 building stone	12	10	1	—	—
4322 limestone	174	0	0	174	—
4323 gypsum	310	310	—	—	—
4327 phosphate rock	0	0	—	—	—
4331 sand & gravel	35	14	2	—	19
<b>Subtotal iron ore and scrap</b>	<b>791</b>	<b>1</b>	<b>472</b>	<b>319</b>	<b>—</b>
4410 iron ore	2	0	2	—	—
4420 iron & steel scrap	789	0	470	319	—
<b>Subtotal marine shells</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>—</b>
4515 marine shells	0	0	0	—	—
<b>Subtotal non-ferrous ores and scrap</b>	<b>102</b>	<b>9</b>	<b>63</b>	<b>30</b>	<b>—</b>
4630 copper ore	3	1	2	—	—
4650 aluminum ore	4	3	1	—	—
4680 non-ferrous scrap	70	2	38	30	—
4690 non-ferrous ores nec	24	2	22	—	—
<b>Subtotal sulphur, clay and salt</b>	<b>56</b>	<b>9</b>	<b>47</b>	<b>—</b>	<b>—</b>
4741 sulphur, (dry)	1	0	1	—	—
4782 clay & refrac. mat.	49	5	44	—	—
4783 salt	6	4	2	—	—
<b>Subtotal slag</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>
4860 slag	0	0	—	—	—
<b>Subtotal other non-metal. min.</b>	<b>40</b>	<b>8</b>	<b>32</b>	<b>—</b>	<b>0</b>
4900 non-metal. min. nec	40	8	32	—	0
<b>Total primary manufactured goods</b>	<b>1,734</b>	<b>1,294</b>	<b>439</b>	<b>1</b>	<b>—</b>
<b>Subtotal paper products</b>	<b>456</b>	<b>108</b>	<b>348</b>	<b>0</b>	<b>—</b>
5110 newsprint	21	0	21	0	—
5120 paper & paperboard	327	39	288	0	—
5190 paper products nec	108	69	40	—	—
<b>Subtotal lime, cement and glass</b>	<b>218</b>	<b>197</b>	<b>22</b>	<b>0</b>	<b>—</b>
5210 lime	0	0	—	—	—
5220 cement & concrete	1	1	0	—	—
5240 glass & glass prod.	115	104	12	—	—

TACOMA HARBOR, WA  
Freight Traffic, 2016 - continued  
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Inbound	Outbound	Inbound	Outbound
5290 misc. mineral prod.	102	92	10	0	—
<b>Subtotal primary iron and steel products</b>	<b>166</b>	<b>159</b>	<b>7</b>	<b>—</b>	<b>—</b>
5312 pig iron	4	4	0	—	—
5315 ferro alloys	2	2	0	—	—
5320 i&s primary forms	18	16	2	—	—
5330 i&s plates & sheets	27	26	0	—	—
5360 i&s bars & shapes	20	18	2	—	—
5370 i&s pipe & tube	67	65	2	—	—
5390 primary i&s nec	28	28	0	—	—
<b>Subtotal primary non-ferrous metal products</b>	<b>761</b>	<b>712</b>	<b>49</b>	<b>0</b>	<b>—</b>
5421 copper	10	9	1	—	—
5422 aluminum	65	61	5	—	—
5429 smelted prod. nec	11	6	4	—	—
5480 fab. metal products	674	636	38	0	—
<b>Subtotal primary wood products</b>	<b>133</b>	<b>118</b>	<b>14</b>	<b>0</b>	<b>—</b>
5540 primary wood prod.	133	118	14	0	—
<b>Total food and farm products</b>	<b>9,421</b>	<b>458</b>	<b>8,953</b>	<b>3</b>	<b>7</b>
<b>Subtotal fish</b>	<b>95</b>	<b>38</b>	<b>57</b>	<b>0</b>	<b>0</b>
6134 fish (not shellfish)	80	27	52	0	0
6136 shellfish	15	10	5	—	0
<b>Subtotal grain</b>	<b>2,459</b>	<b>16</b>	<b>2,444</b>	<b>—</b>	<b>—</b>
6241 wheat	18	0	18	—	—
6344 corn	2,416	1	2,416	—	—
6442 rice	15	15	0	—	—
6443 barley & rye	8	0	8	—	—
6445 oats	2	—	2	—	—
<b>Subtotal oilseeds</b>	<b>2,912</b>	<b>25</b>	<b>2,887</b>	<b>0</b>	<b>—</b>
6521 peanuts	0	0	0	—	—
6522 soybeans	2,859	7	2,851	0	—
6534 flaxseed	0	0	0	—	—
6590 oilseeds nec	54	18	36	—	—
<b>Subtotal vegetable products</b>	<b>772</b>	<b>42</b>	<b>729</b>	<b>0</b>	<b>0</b>
6653 vegetable oils	10	9	1	—	—
6654 vegetables & prod.	762	34	728	0	0
<b>Subtotal processed grain and animal feed</b>	<b>1,926</b>	<b>30</b>	<b>1,896</b>	<b>0</b>	<b>—</b>
6746 wheat flour	3	1	3	—	—
6747 grain mill products	34	7	27	—	—
6781 hay & fodder	1,207	2	1,205	—	—
6782 animal feed, prep.	682	21	661	0	—
<b>Subtotal other agricultural products</b>	<b>1,255</b>	<b>306</b>	<b>940</b>	<b>3</b>	<b>7</b>
6811 meat, fresh, frozen	174	24	148	2	—
6817 meat, prepared	14	1	13	—	—
6822 dairy products	138	2	135	—	—
6835 fish, prepared	19	5	14	—	—
6838 tallow, animal oils	1	0	1	—	—
6839 animals & prod. nec	82	6	76	0	—
6856 bananas & plantains	24	24	0	—	—
6857 fruit & nuts nec	229	31	190	1	7
6858 fruit juices	88	64	24	—	—
6861 sugar	2	2	0	—	—
6865 molasses	0	0	0	—	—
6871 coffee	37	33	4	—	0
6872 cocoa beans	0	0	0	—	—
6885 alcoholic beverages	40	28	12	0	—
6888 water & ice	31	5	26	—	—
6889 food products nec	182	57	125	0	—
6891 tobacco & products	1	1	0	—	—
6893 cotton	9	9	—	—	—
6894 natural fibers nec	15	10	5	—	—
6899 farm products nec	168	5	163	0	—
<b>Total all manufactured equipment, machinery and products</b>	<b>5,073</b>	<b>4,223</b>	<b>813</b>	<b>37</b>	<b>0</b>
7110 machinery (not elec)	727	631	96	0	—
7120 electrical machinery	571	538	33	0	—
7210 vehicles & parts	785	755	30	0	0
7220 aircraft & parts	20	9	10	0	—
7230 ships & boats	3	3	0	0	—
7300 ordnance & access.	1	1	0	—	—
7400 manufac. wood prod.	131	94	37	0	—
7500 textile products	463	329	134	0	—
7600 rubber & plastic pr.	608	467	141	0	0
7900 manufac. prod. nec	1,764	1,396	332	36	0
<b>Total unknown or not elsewhere classified</b>	<b>534</b>	<b>221</b>	<b>285</b>	<b>0</b>	<b>28</b>
9900 unknown or nec	534	221	285	0	28

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
<b>Total, all commodities</b>	<b>4,532</b>	<b>377</b>	<b>1,872</b>	<b>1,367</b>	<b>634</b>	<b>281</b>
<b>Total petroleum and petroleum products</b>	<b>2,250</b>	<b>105</b>	<b>406</b>	<b>1,156</b>	<b>314</b>	<b>269</b>
<b>Subtotal crude petroleum</b>	<b>105</b>	<b>92</b>	<b>—</b>	<b>—</b>	<b>13</b>	<b>—</b>
2100 crude petroleum	105	92	—	—	13	—
<b>Subtotal petroleum products</b>	<b>2,145</b>	<b>14</b>	<b>406</b>	<b>1,156</b>	<b>301</b>	<b>269</b>
2211 gasoline	475	—	52	401	20	2

TACOMA HARBOR, WA  
 Freight Traffic, 2016 - continued  
 (thousand short tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
2221 kerosene	73	—	52	15	4	2
2330 distillate fuel oil	548	—	235	107	189	17
2340 residual fuel oil	1,030	13	53	633	85	245
2350 lube oil & greases	5	0	4	—	—	—
2429 naphtha & solvents	9	—	9	—	—	—
2640 hydrocarbon & petrol gases, liquefied and gaseous	0	0	0	—	—	—
2990 petro. products nec	6	0	2	—	3	2
<b>Total chemicals and related products</b>	<b>7</b>	<b>0</b>	<b>6</b>	<b>—</b>	<b>—</b>	<b>—</b>
<b>Subtotal other chemicals and related products</b>	<b>7</b>	<b>0</b>	<b>6</b>	<b>—</b>	<b>—</b>	<b>—</b>
3282 pigments & paints	0	0	0	—	—	—
3285 perfumes & cleansers	0	—	0	—	—	—
3293 explosives	0	—	0	—	—	—
3299 chem. products nec	6	—	6	—	—	—
<b>Total crude materials, inedible except fuels</b>	<b>609</b>	<b>27</b>	<b>46</b>	<b>210</b>	<b>314</b>	<b>12</b>
<b>Subtotal forest products, wood and chips</b>	<b>276</b>	<b>6</b>	<b>41</b>	<b>193</b>	<b>28</b>	<b>8</b>
4161 wood chips	16	—	—	16	—	—
4170 wood in the rough	213	—	—	177	28	8
4189 lumber	47	6	41	—	—	—
4190 forest products nec	0	—	0	—	—	—
<b>Subtotal pulp and waste paper</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
4225 pulp & waste paper	0	0	—	—	—	—
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>311</b>	<b>—</b>	<b>3</b>	<b>18</b>	<b>286</b>	<b>4</b>
4331 sand & gravel	308	—	—	18	286	4
4338 soil & fill dirt	3	—	3	—	—	—
<b>Subtotal iron ore and scrap</b>	<b>20</b>	<b>20</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
4420 iron & steel scrap	20	20	—	—	—	—
<b>Subtotal sulphur, clay and salt</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>—</b>	<b>—</b>	<b>—</b>
4782 clay & refrac. mat.	1	0	1	—	—	—
4783 salt	1	—	1	—	—	—
<b>Subtotal other non-metal. min.</b>	<b>0</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>
4900 non-metal. min. nec	0	—	0	—	—	—
<b>Total primary manufactured goods</b>	<b>181</b>	<b>5</b>	<b>174</b>	<b>—</b>	<b>2</b>	<b>—</b>
<b>Subtotal paper products</b>	<b>13</b>	<b>0</b>	<b>13</b>	<b>—</b>	<b>—</b>	<b>—</b>
5110 newsprint	2	—	2	—	—	—
5190 paper products nec	11	0	11	—	—	—
<b>Subtotal lime, cement and glass</b>	<b>3</b>	<b>—</b>	<b>2</b>	<b>—</b>	<b>2</b>	<b>—</b>
5220 cement & concrete	0	—	0	—	—	—
5240 glass & glass prod.	1	—	1	—	—	—
5290 misc. mineral prod.	2	—	1	—	2	—
<b>Subtotal primary iron and steel products</b>	<b>0</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>
5370 i&s pipe & tube	0	—	0	—	—	—
<b>Subtotal primary non-ferrous metal products</b>	<b>162</b>	<b>5</b>	<b>156</b>	<b>—</b>	<b>—</b>	<b>—</b>
5480 fab. metal products	162	5	156	—	—	—
<b>Subtotal primary wood products</b>	<b>3</b>	<b>—</b>	<b>3</b>	<b>—</b>	<b>—</b>	<b>—</b>
5540 primary wood prod.	3	—	3	—	—	—
<b>Total food and farm products</b>	<b>321</b>	<b>77</b>	<b>245</b>	<b>—</b>	<b>—</b>	<b>—</b>
<b>Subtotal fish</b>	<b>48</b>	<b>48</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>
6134 fish (not shellfish)	48	48	0	—	—	—
<b>Subtotal vegetable products</b>	<b>0</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>
6654 vegetables & prod.	0	—	0	—	—	—
<b>Subtotal processed grain and animal feed</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>—</b>	<b>—</b>	<b>—</b>
6746 wheat flour	1	—	1	—	—	—
6747 grain mill products	1	—	1	—	—	—
6782 animal feed, prep.	0	0	0	—	—	—
<b>Subtotal other agricultural products</b>	<b>272</b>	<b>29</b>	<b>243</b>	<b>—</b>	<b>—</b>	<b>—</b>
6811 meat, fresh, frozen	8	5	2	—	—	—
6839 animals & prod. nec	0	0	—	—	—	—
6856 bananas & plantains	4	—	4	—	—	—
6861 sugar	0	—	0	—	—	—
6885 alcoholic beverages	35	0	35	—	—	—
6887 groceries	99	5	94	—	—	—
6889 food products nec	125	18	107	—	—	—
6899 farm products nec	1	—	1	—	—	—
<b>Total all manufactured equipment, machinery and products</b>	<b>1,141</b>	<b>157</b>	<b>979</b>	<b>1</b>	<b>5</b>	<b>—</b>
7110 machinery (not elec)	35	19	15	1	—	—
7120 electrical machinery	3	1	2	—	—	—
7210 vehicles & parts	91	24	67	—	—	—
7220 aircraft & parts	5	0	0	—	5	—
7230 ships & boats	9	3	6	—	—	—
7400 manufac. wood prod.	53	39	14	—	—	—
7600 rubber & plastic pr.	3	—	3	—	—	—
7900 manufac. prod. nec	942	71	872	—	—	—
<b>Total waste and scrap nec</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
8900 waste and scrap nec	0	0	—	—	—	—
<b>Total unknown or not elsewhere classified</b>	<b>23</b>	<b>6</b>	<b>17</b>	<b>—</b>	<b>—</b>	<b>—</b>
9900 unknown or nec	23	6	17	—	—	—

SEATTLE HARBOR, WA

Section Included: From Union Oil dock near Edmonds on the North to Fauntleroy Ferry Slip on the south, including Elliott Bay, East, West, and Duwamish Waterway, Lake Washington Ship Canal, Salmon Bay, Lake Union, Lake Washington, and Kenmore Navigation Channel. Controlling Depth: Elliott Bay, unlimited; West Waterway, 28.0 feet; East Waterway, 31.2 feet; Duwamish Waterway, 18.2 feet from head of West Waterway to 1st Avenue So., 11.0 feet from 1st Avenue So. 14th Avenue So. 8.5 feet from 14th Avenue So. to head of waterway; Lake Washington Ship Canal, 29.2 feet below locks; above the locks 26.1 feet, Kenmore Navigation Channel; 13.6 feet. Project Depth: Elliot Bay, unlimited; East and West Waterways, 34 feet; Duwamish Waterway, 30 feet to First Avenue South; 20 feet to 8th Avenue South; and 15 feet from 8th Avenue South to head of waterway; Lake Washington Ship Canal, 34 feet below locks; 30 feet at lower pool level, Kenmore Navigation Channel; 15 feet. All depths refer to mlw except inside Lake Washington Ship Canal which reflects low lake level.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
2007	28,169	2010	27,341	2013	20,564	<b>2016</b>	<b>24,204</b>
2008	26,169	2011	26,957	2014	22,362		
2009	24,827	2012	24,214	2015	22,607		

Freight Traffic, 2016 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Inbound	Outbound	Inbound	Outbound
<b>Total, all commodities</b>	<b>17,883</b>	<b>4,898</b>	<b>10,168</b>	<b>2,700</b>	<b>117</b>
<b>Total coal</b>	<b>14</b>	<b>0</b>	<b>0</b>	<b>13</b>	<b>—</b>
1100 coal & lignite	14	0	0	13	—
<b>Total petroleum and petroleum products</b>	<b>511</b>	<b>7</b>	<b>148</b>	<b>347</b>	<b>8</b>
<b>Subtotal petroleum products</b>	<b>511</b>	<b>7</b>	<b>148</b>	<b>347</b>	<b>8</b>
2211 gasoline	190	0	0	188	3
2330 distillate fuel oil	240	0	80	160	—
2340 residual fuel oil	11	—	11	—	—
2350 lube oil & greases	1	0	1	—	—
2410 petro. jelly & waxes	0	0	0	—	—
2429 naphtha & solvents	6	3	3	—	—
2430 asphalt, tar & pitch	0	0	0	—	—
2540 petroleum coke	61	3	53	—	6
2640 hydrocarbon & petrol gases, liquefied and azeous	0	0	0	—	—
<b>Total chemicals and related products</b>	<b>417</b>	<b>251</b>	<b>154</b>	<b>12</b>	<b>0</b>
<b>Subtotal fertilizers</b>	<b>21</b>	<b>15</b>	<b>2</b>	<b>4</b>	<b>0</b>
3110 nitrogenous fert.	16	11	0	4	—
3120 phosphatic fert.	0	0	—	—	—
3130 potassic fert.	0	0	—	—	—
3190 fert. & mixes nec	5	3	2	0	0
<b>Subtotal other chemicals and related products</b>	<b>396</b>	<b>236</b>	<b>153</b>	<b>7</b>	<b>0</b>
3211 acyclic hydrocarbons	0	0	0	—	—
3219 other hydrocarbons	1	1	0	—	—
3220 alcohols	7	6	2	0	—
3230 carboxylic acids	25	20	5	0	—
3240 nitrogen func. comp.	16	12	4	—	0
3250 organo - inorg. comp.	7	6	0	1	—
3260 organic comp. nec	24	19	5	—	—
3272 sulphuric acid	1	1	1	—	—
3273 ammonia	0	—	0	—	—
3274 sodium hydroxide	0	0	0	—	—
3275 inorg. elem., oxides, & halogen salts	35	25	10	0	—
3276 metallic salts	46	31	9	6	—
3279 inorganic chem. nec	8	5	3	—	—
3281 radioactive material	6	4	2	—	—
3282 pigments & paints	9	3	6	—	—
3283 coloring mat. nec	3	2	2	—	—
3284 medicines	21	9	12	—	—
3285 perfumes & cleansers	15	8	8	—	—
3286 plastics	114	51	62	0	0
3291 pesticides	3	3	0	—	—
3292 starches, gluten, glue	27	17	10	0	0
3293 explosives	2	2	0	—	—
3297 chemical additives	3	2	2	—	—
3298 wood & resin chem.	0	0	0	—	—
3299 chem. products nec	20	10	11	—	—
<b>Total crude materials, inedible except fuels</b>	<b>3,776</b>	<b>920</b>	<b>1,233</b>	<b>1,607</b>	<b>16</b>
<b>Subtotal forest products, wood and chips</b>	<b>464</b>	<b>143</b>	<b>322</b>	<b>—</b>	<b>0</b>
4110 rubber & gums	2	2	0	—	—
4150 fuel wood	6	2	5	—	—
4161 wood chips	1	1	0	—	—
4170 wood in the rough	186	17	169	—	—
4189 lumber	260	114	146	—	0
4190 forest products nec	9	7	2	—	—
<b>Subtotal pulp and waste paper</b>	<b>705</b>	<b>38</b>	<b>668</b>	<b>—</b>	<b>—</b>
4225 pulp & waste paper	705	38	668	—	—
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>1,737</b>	<b>377</b>	<b>1</b>	<b>1,353</b>	<b>7</b>
4310 building stone	33	32	0	—	—
4322 limestone	941	1	0	937	3
4323 gypsum	347	340	—	7	0
4331 sand & gravel	416	4	0	409	4
<b>Subtotal iron ore and scrap</b>	<b>322</b>	<b>0</b>	<b>115</b>	<b>207</b>	<b>—</b>
4410 iron ore	0	0	—	—	—
4420 iron & steel scrap	322	0	115	207	—
<b>Subtotal marine shells</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>
4515 marine shells	0	0	—	—	—
<b>Subtotal non-ferrous ores and scrap</b>	<b>60</b>	<b>6</b>	<b>54</b>	<b>—</b>	<b>—</b>
4630 copper ore	4	0	4	—	—
4650 aluminum ore	2	2	1	—	—
4680 non-ferrous scrap	49	1	48	—	—
4690 non-ferrous ores nec	4	3	1	—	—



SEATTLE HARBOR, WA  
Freight Traffic, 2016 - continued  
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Inbound	Outbound	Inbound	Outbound
<b>Subtotal sulphur, clay and salt</b>	<b>143</b>	<b>45</b>	<b>58</b>	<b>40</b>	<b>0</b>
4741 sulphur, (dry)	2	0	1	—	—
4782 clay & refrac. mat.	58	2	56	—	—
4783 salt	83	43	1	40	0
<b>Subtotal slag</b>	<b>306</b>	<b>298</b>	<b>0</b>	<b>—</b>	<b>9</b>
4860 slag	306	298	0	—	9
<b>Subtotal other non-metal. min.</b>	<b>39</b>	<b>14</b>	<b>16</b>	<b>8</b>	<b>—</b>
4900 non-metal. min. nec	39	14	16	8	—
<b>Total primary manufactured goods</b>	<b>2,195</b>	<b>1,156</b>	<b>353</b>	<b>675</b>	<b>11</b>
<b>Subtotal paper products</b>	<b>279</b>	<b>48</b>	<b>221</b>	<b>9</b>	<b>1</b>
5110 newsprint	62	0	52	9	1
5120 paper & paperboard	165	12	153	—	—
5190 paper products nec	53	36	16	0	0
<b>Subtotal lime, cement and glass</b>	<b>1,282</b>	<b>586</b>	<b>23</b>	<b>663</b>	<b>9</b>
5210 lime	9	—	—	9	—
5220 cement & concrete	1,090	426	0	654	9
5240 glass & glass prod.	72	55	17	0	—
5290 misc. mineral prod.	112	105	6	0	0
<b>Subtotal primary iron and steel products</b>	<b>126</b>	<b>108</b>	<b>17</b>	<b>0</b>	<b>0</b>
5312 pig iron	1	1	0	—	—
5315 ferro alloys	15	15	0	—	—
5320 i&s primary forms	20	6	14	0	—
5330 i&s plates & sheets	9	9	0	—	0
5360 i&s bars & shapes	16	15	1	0	—
5370 i&s pipe & tube	50	49	1	—	0
5390 primary i&s nec	15	14	0	—	—
<b>Subtotal primary non-ferrous metal products</b>	<b>418</b>	<b>336</b>	<b>79</b>	<b>3</b>	<b>0</b>
5421 copper	6	6	0	—	0
5422 aluminum	60	58	2	—	0
5429 smelted prod. nec	53	4	50	—	—
5480 fab. metal products	299	270	27	3	0
<b>Subtotal primary wood products</b>	<b>90</b>	<b>77</b>	<b>12</b>	<b>1</b>	<b>0</b>
5540 primary wood prod.	90	77	12	1	0
<b>Total food and farm products</b>	<b>8,295</b>	<b>670</b>	<b>7,624</b>	<b>1</b>	<b>0</b>
<b>Subtotal fish</b>	<b>148</b>	<b>41</b>	<b>107</b>	<b>0</b>	<b>—</b>
6134 fish (not shellfish)	134	30	104	0	—
6136 shellfish	14	11	3	—	—
<b>Subtotal grain</b>	<b>2,085</b>	<b>14</b>	<b>2,071</b>	<b>—</b>	<b>—</b>
6241 wheat	14	0	14	—	—
6344 corn	2,055	1	2,054	—	—
6442 rice	13	13	0	—	—
6443 barley & rye	2	—	2	—	—
6445 oats	1	0	1	—	—
<b>Subtotal oilseeds</b>	<b>2,903</b>	<b>55</b>	<b>2,847</b>	<b>—</b>	<b>—</b>
6521 peanuts	0	0	0	—	—
6522 soybeans	2,871	40	2,831	—	—
6534 flaxseed	4	0	4	—	—
6590 oilseeds nec	28	15	13	—	—
<b>Subtotal vegetable products</b>	<b>788</b>	<b>56</b>	<b>732</b>	<b>0</b>	<b>0</b>
6653 vegetable oils	12	10	1	0	—
6654 vegetables & prod.	776	46	731	0	0
<b>Subtotal processed grain and animal feed</b>	<b>1,085</b>	<b>27</b>	<b>1,058</b>	<b>—</b>	<b>0</b>
6746 wheat flour	4	1	4	—	—
6747 grain mill products	29	5	24	—	0
6781 hay & fodder	823	2	821	—	—
6782 animal feed, prep.	229	19	209	—	0
<b>Subtotal other agricultural products</b>	<b>1,286</b>	<b>477</b>	<b>808</b>	<b>0</b>	<b>0</b>
6811 meat, fresh, frozen	177	26	151	0	0
6817 meat, prepared	5	0	5	—	—
6822 dairy products	84	1	82	—	0
6835 fish, prepared	22	4	17	—	—
6838 tallow, animal oils	2	1	1	—	—
6839 animals & prod. nec	65	5	60	—	—
6856 bananas & plantains	34	34	0	—	—
6857 fruit & nuts nec	272	38	235	—	—
6858 fruit juices	82	69	13	0	—
6861 sugar	13	13	0	—	—
6865 molasses	35	35	—	—	—
6871 coffee	62	60	2	—	—
6872 cocoa beans	2	2	0	—	—
6885 alcoholic beverages	78	73	5	—	0
6888 water & ice	32	23	10	—	—
6889 food products nec	170	74	96	0	0
6891 tobacco & products	0	0	0	—	—
6893 cotton	8	8	0	—	—
6894 natural fibers nec	9	6	4	—	0
6899 farm products nec	134	6	128	—	—
<b>Total all manufactured equipment, machinery and products</b>	<b>2,165</b>	<b>1,733</b>	<b>413</b>	<b>18</b>	<b>1</b>
7110 machinery (not elec)	211	158	52	1	0
7120 electrical machinery	210	187	23	0	0
7210 vehicles & parts	121	90	30	1	0
7220 aircraft & parts	8	4	4	—	—
7230 ships & boats	2	1	1	0	0
7300 ordnance & access.	0	0	0	—	—
7400 manufac. wood prod.	67	52	15	0	0
7500 textile products	275	201	67	7	0
7600 rubber & plastic pr.	268	187	80	1	0

SEATTLE HARBOR, WA  
Freight Traffic, 2016 - continued  
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Inbound	Outbound	Inbound	Outbound
7900 manufac. prod. nec	1,002	852	141	9	1
<b>Total unknown or not elsewhere classified</b>	<b>510</b>	<b>160</b>	<b>243</b>	<b>27</b>	<b>80</b>
9900 unknown or nec	510	160	243	27	80

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
<b>Total, all commodities</b>	<b>6,321</b>	<b>329</b>	<b>1,101</b>	<b>2,364</b>	<b>2,257</b>	<b>270</b>
<b>Total petroleum and petroleum products</b>	<b>1,639</b>	<b>56</b>	<b>82</b>	<b>857</b>	<b>385</b>	<b>260</b>
<b>Subtotal crude petroleum</b>	<b>0</b>	<b>---</b>	<b>0</b>	<b>---</b>	<b>---</b>	<b>---</b>
2100 crude petroleum	0	---	0	---	---	---
<b>Subtotal petroleum products</b>	<b>1,639</b>	<b>56</b>	<b>82</b>	<b>857</b>	<b>385</b>	<b>260</b>
2211 gasoline	101	---	0	100	1	---
2330 distillate fuel oil	284	43	67	142	24	8
2340 residual fuel oil	1,230	12	7	613	345	252
2350 lube oil & greases	7	0	---	---	7	---
2429 naphtha & solvents	0	---	0	0	0	---
2430 asphalt, tar & pitch	1	---	1	0	0	---
2540 petroleum coke	1	---	0	---	1	---
2640 hydrocarbon & petrol gases, liquefied and gaseous	12	1	5	0	5	---
2990 petro. products nec	3	0	1	1	0	---
<b>Total chemicals and related products</b>	<b>69</b>	<b>27</b>	<b>28</b>	<b>2</b>	<b>11</b>	<b>---</b>
<b>Subtotal fertilizers</b>	<b>17</b>	<b>0</b>	<b>17</b>	<b>---</b>	<b>0</b>	<b>---</b>
3110 nitrogenous fert.	2	---	2	---	0	---
3190 fert. & mixes nec	16	0	15	---	---	---
<b>Subtotal other chemicals and related products</b>	<b>51</b>	<b>27</b>	<b>11</b>	<b>2</b>	<b>11</b>	<b>---</b>
3220 alcohols	0	0	0	---	0	---
3240 nitrogen func. comp.	0	---	0	---	0	---
3260 organic comp. nec	6	0	0	2	4	---
3276 metallic salts	2	---	2	---	0	---
3282 pigments & paints	1	0	0	0	1	---
3284 medicines	0	---	---	---	0	---
3285 perfumes & cleansers	0	---	0	0	0	---
3286 plastics	2	0	2	0	0	---
3291 pesticides	0	---	0	---	---	---
3293 explosives	0	---	---	0	0	---
3297 chemical additives	0	---	---	---	0	---
3299 chem. products nec	39	27	6	0	6	---
<b>Total crude materials, inedible except fuels</b>	<b>2,866</b>	<b>3</b>	<b>172</b>	<b>1,142</b>	<b>1,539</b>	<b>10</b>
<b>Subtotal forest products, wood and chips</b>	<b>169</b>	<b>1</b>	<b>137</b>	<b>25</b>	<b>6</b>	<b>---</b>
4150 fuel wood	0	0	0	0	0	---
4161 wood chips	0	---	0	---	0	---
4170 wood in the rough	28	1	1	25	2	---
4189 lumber	135	0	133	---	1	---
4190 forest products nec	5	0	3	0	3	---
<b>Subtotal pulp and waste paper</b>	<b>1</b>	<b>0</b>	<b>---</b>	<b>1</b>	<b>---</b>	<b>---</b>
4225 pulp & waste paper	1	0	---	1	---	---
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>2,604</b>	<b>---</b>	<b>23</b>	<b>1,040</b>	<b>1,530</b>	<b>10</b>
4310 building stone	0	---	---	---	0	---
4331 sand & gravel	2,597	---	22	1,034	1,530	10
4338 soil & fill dirt	7	---	1	6	0	---
<b>Subtotal iron ore and scrap</b>	<b>78</b>	<b>2</b>	<b>---</b>	<b>76</b>	<b>---</b>	<b>---</b>
4410 iron ore	76	0	---	75	---	---
4420 iron & steel scrap	2	2	---	0	---	---
<b>Subtotal sulphur, clay and salt</b>	<b>14</b>	<b>---</b>	<b>11</b>	<b>---</b>	<b>3</b>	<b>---</b>
4782 clay & refrac. mat.	0	---	0	---	---	---
4783 salt	14	---	11	---	3	---
<b>Total primary manufactured goods</b>	<b>366</b>	<b>4</b>	<b>249</b>	<b>21</b>	<b>92</b>	<b>---</b>
<b>Subtotal paper products</b>	<b>78</b>	<b>0</b>	<b>61</b>	<b>13</b>	<b>3</b>	<b>---</b>
5110 newsprint	2	---	1	---	0	---
5120 paper & paperboard	19	0	6	13	0	---
5190 paper products nec	57	0	54	0	3	---
<b>Subtotal lime, cement and glass</b>	<b>148</b>	<b>0</b>	<b>80</b>	<b>2</b>	<b>66</b>	<b>---</b>
5210 lime	2	---	0	---	1	---
5220 cement & concrete	47	0	2	0	45	---
5240 glass & glass prod.	9	---	4	0	5	---
5290 misc. mineral prod.	91	0	74	2	15	---
<b>Subtotal primary iron and steel products</b>	<b>14</b>	<b>---</b>	<b>13</b>	<b>0</b>	<b>1</b>	<b>---</b>
5360 i&s bars & shapes	2	---	2	---	0	---
5370 i&s pipe & tube	12	---	11	0	1	---
5390 primary i&s nec	0	---	0	---	0	---
<b>Subtotal primary non-ferrous metal products</b>	<b>89</b>	<b>3</b>	<b>59</b>	<b>6</b>	<b>20</b>	<b>---</b>
5421 copper	0	---	---	---	0	---
5480 fab. metal products	89	3	59	6	20	---
<b>Subtotal primary wood products</b>	<b>36</b>	<b>---</b>	<b>35</b>	<b>0</b>	<b>1</b>	<b>---</b>
5540 primary wood prod.	36	---	35	0	1	---
<b>Total food and farm products</b>	<b>652</b>	<b>177</b>	<b>202</b>	<b>182</b>	<b>91</b>	<b>---</b>
<b>Subtotal fish</b>	<b>222</b>	<b>132</b>	<b>3</b>	<b>86</b>	<b>1</b>	<b>---</b>
6134 fish (not shellfish)	210	123	3	83	1	---
6136 shellfish	12	9	0	3	0	---
<b>Subtotal oilseeds</b>	<b>0</b>	<b>---</b>	<b>0</b>	<b>---</b>	<b>---</b>	<b>---</b>
6590 oilseeds nec	0	---	0	---	---	---

SEATTLE HARBOR, WA  
Freight Traffic, 2016 - continued  
(thousand short tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
<b>Subtotal vegetable products</b>	<b>28</b>	<b>1</b>	<b>26</b>	—	—	—
6653 vegetable oils	1	1	—	—	—	—
6654 vegetables & prod.	27	0	26	—	—	—
<b>Subtotal processed grain and animal feed</b>	<b>43</b>	<b>3</b>	<b>35</b>	<b>3</b>	<b>1</b>	—
6747 grain mill products	8	—	6	2	0	—
6781 hay & fodder	4	—	4	—	0	—
6782 animal feed, prep.	31	3	26	2	1	—
<b>Subtotal other agricultural products</b>	<b>359</b>	<b>40</b>	<b>137</b>	<b>93</b>	<b>89</b>	—
6811 meat, fresh, frozen	10	3	1	5	—	—
6822 dairy products	2	—	2	—	—	—
6835 fish, prepared	35	21	1	13	0	—
6838 tallow, animal oils	7	7	—	0	—	—
6839 animals & prod. nec	1	1	0	—	—	—
6857 fruit & nuts nec	3	3	—	—	—	—
6861 sugar	0	0	—	—	—	—
6871 coffee	0	0	—	—	—	—
6885 alcoholic beverages	105	3	17	74	11	—
6887 groceries	82	0	22	0	60	—
6888 water & ice	0	—	—	—	0	—
6889 food products nec	109	1	90	0	17	—
6899 farm products nec	4	0	3	—	0	—
<b>Total all manufactured equipment, machinery and products</b>	<b>569</b>	<b>59</b>	<b>367</b>	<b>58</b>	<b>86</b>	—
7110 machinery (not elec)	51	12	24	10	6	—
7120 electrical machinery	8	1	4	1	2	—
7210 vehicles & parts	56	23	19	7	8	—
7220 aircraft & parts	0	0	—	0	0	—
7230 ships & boats	2	0	1	0	1	—
7300 ordnance & access.	0	—	—	—	0	—
7400 manufac. wood prod.	153	5	128	4	16	—
7500 textile products	6	0	1	2	3	—
7600 rubber & plastic pr.	4	1	2	1	0	—
7900 manufac. prod. nec	287	17	187	33	50	—
<b>Total waste and scrap nec</b>	<b>64</b>	<b>2</b>	<b>0</b>	<b>62</b>	<b>0</b>	—
8900 waste and scrap nec	64	2	0	62	0	—
<b>Total unknown or not elsewhere classified</b>	<b>95</b>	<b>1</b>	<b>1</b>	<b>39</b>	<b>53</b>	—
9900 unknown or nec	95	1	1	39	53	—

LAKE WASHINGTON SHIP CANAL, WA (INCLUDED IN TRAFFIC OF SEATTLE HARBOR, WA)

Section Included: As described under Seattle Harbor, WA.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
2007	1,448	2010	752	2013	954	<b>2016</b>	<b>1,053</b>
2008	1,537	2011	711	2014	642		
2009	804	2012	918	2015	683		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Canadian Inbound	Domestic					
			Total	Coastwise		Internal		
				Receipts	Shipments	Inbound Upbound	Through Upbound	Downbnd
<b>Total, all commodities</b>	<b>1,053</b>	<b>20</b>	<b>1,033</b>	<b>38</b>	<b>20</b>	<b>195</b>	<b>161</b>	<b>619</b>
<b>Total crude materials, inedible except fuels</b>	<b>999</b>	<b>20</b>	<b>978</b>	—	<b>5</b>	<b>195</b>	<b>160</b>	<b>619</b>
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>973</b>	—	<b>973</b>	—	—	<b>195</b>	<b>160</b>	<b>619</b>
4331 sand & gravel	973	—	973	—	—	195	160	619
<b>Subtotal sulphur, clay and salt</b>	<b>25</b>	<b>20</b>	<b>5</b>	—	<b>5</b>	—	—	—
4783 salt	25	20	5	—	5	—	—	—
<b>Total primary manufactured goods</b>	<b>12</b>	—	<b>12</b>	—	<b>10</b>	—	<b>2</b>	—
<b>Subtotal paper products</b>	<b>5</b>	—	<b>5</b>	—	<b>5</b>	—	—	—
5190 paper products nec	5	—	5	—	5	—	—	—
<b>Subtotal lime, cement and glass</b>	<b>2</b>	—	<b>2</b>	—	—	—	<b>2</b>	—
5290 misc. mineral prod.	2	—	2	—	—	—	2	—
<b>Subtotal primary non-ferrous metal products</b>	<b>5</b>	—	<b>5</b>	—	<b>5</b>	—	—	—
5480 fab. metal products	5	—	5	—	5	—	—	—
<b>Total food and farm products</b>	<b>38</b>	—	<b>38</b>	<b>38</b>	—	—	—	—
<b>Subtotal fish</b>	<b>38</b>	—	<b>38</b>	<b>38</b>	—	—	—	—
6134 fish (not shellfish)	38	—	38	38	—	—	—	—
<b>Total all manufactured equipment, machinery and products</b>	<b>5</b>	—	<b>5</b>	—	<b>5</b>	—	—	—
7900 manufac. prod. nec	5	—	5	—	5	—	—	—

**Tons All Traffic (x1000)** 1,053  
**Total Trip-ton-miles Internal and Intraport (x1000)** 65,246

EVERETT HARBOR AND SNOHOMISH RIVER, WA

Section Included: Port Gardner Bay from the Weyerhaeuser Company Thermo-Mechanical Mill, on the south to Preston Point on the north and including the Snohomish River and Tributary Waters. Controlling Depth: East Waterway, 33.3 feet; 14.0 feet in Port Gardner Bay to the settling basin; 8.8 feet in the settling basin; 6.1 feet from the settling basin to Burlington Northern Railroad; 4.8 feet from Burlington Northern Railroad to head of waterway at Steamboat Slough. Project Depth: East Waterway, 30 feet; deep water in Port Gardner Bay to settling basin, 15 feet; settling basin, 20 feet; from the settling basin to the gap, 8 feet; from the gap to the upstream settling basin, 8 feet; 40 feet in upstream settling basin; 8 feet to head of waterway. All depths refer to mllw.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
2007	2,554	2010	1,380	2013	1,528	2016	1,500
2008	2,837	2011	1,093	2014	1,716		
2009	1,006	2012	1,479	2015	1,599		

Freight Traffic, 2016 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Inbound	Outbound	Inbound	Outbound
<b>Total, all commodities</b>	<b>372</b>	<b>204</b>	<b>146</b>	<b>21</b>	<b>1</b>
<b>Total petroleum and petroleum products</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>
<b>Subtotal petroleum products</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>
2429 naphtha & solvents	0	0	—	—	—
2640 hvdrocarbon & petrol oases. liquefied and gaseous	0	0	—	—	—
<b>Total chemicals and related products</b>	<b>18</b>	<b>18</b>	<b>0</b>	<b>—</b>	<b>—</b>
<b>Subtotal other chemicals and related products</b>	<b>18</b>	<b>18</b>	<b>0</b>	<b>—</b>	<b>—</b>
3211 acyclic hydrocarbons	0	0	—	—	—
3219 other hydrocarbons	0	0	—	—	—
3220 alcohols	0	0	—	—	—
3230 carboxylic acids	1	1	—	—	—
3240 nitrogen func. comp.	1	1	—	—	—
3250 organo - inorg. comp.	1	1	—	—	—
3260 organic comp. nec	0	0	—	—	—
3272 sulphuric acid	0	0	—	—	—
3275 inorg. elem., oxides, & halogen salts	2	2	—	—	—
3276 metallic salts	1	0	0	—	—
3279 inorganic chem. nec	0	0	—	—	—
3282 pigments & paints	1	1	0	—	—
3283 coloring mat. nec	0	0	—	—	—
3285 perfumes & cleansers	0	0	—	—	—
3286 plastics	8	8	—	—	—
3292 starches, gluten, glue	0	0	—	—	—
3297 chemical additives	0	0	—	—	—
3299 chem. products nec	1	1	0	—	—
<b>Total crude materials, inedible except fuels</b>	<b>140</b>	<b>1</b>	<b>124</b>	<b>14</b>	<b>0</b>
<b>Subtotal forest products, wood and chips</b>	<b>139</b>	<b>0</b>	<b>124</b>	<b>14</b>	<b>0</b>
4110 rubber & gums	0	0	—	—	—
4161 wood chips	0	—	—	—	0
4170 wood in the rough	138	—	124	14	—
4189 lumber	1	0	1	—	—
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>1</b>	<b>1</b>	<b>—</b>	<b>—</b>	<b>—</b>
4331 sand & gravel	1	1	—	—	—
<b>Subtotal iron ore and scrap</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>
4420 iron & steel scrap	0	0	—	—	—
<b>Subtotal non-ferrous ores and scrap</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>
4650 aluminum ore	0	0	—	—	—
<b>Subtotal sulphur, clay and salt</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>
4782 clay & refrac. mat.	0	0	—	—	—
<b>Subtotal other non-metal. min.</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>
4900 non-metal. min. nec	0	0	—	—	—
<b>Total primary manufactured goods</b>	<b>43</b>	<b>32</b>	<b>3</b>	<b>7</b>	<b>0</b>
<b>Subtotal paper products</b>	<b>8</b>	<b>8</b>	<b>—</b>	<b>0</b>	<b>—</b>
5120 paper & paperboard	7	7	—	0	—
5190 paper products nec	0	0	—	—	—
<b>Subtotal lime, cement and glass</b>	<b>7</b>	<b>0</b>	<b>—</b>	<b>7</b>	<b>—</b>
5220 cement & concrete	7	—	—	7	—
5240 glass & glass prod.	0	0	—	—	—
5290 misc. mineral prod.	0	0	—	—	—
<b>Subtotal primary iron and steel products</b>	<b>16</b>	<b>16</b>	<b>0</b>	<b>—</b>	<b>—</b>
5312 pig iron	0	0	—	—	—
5315 ferro alloys	0	0	—	—	—
5320 i&s primary forms	1	1	—	—	—
5330 i&s plates & sheets	4	4	—	—	—
5360 i&s bars & shapes	3	3	—	—	—
5370 i&s pipe & tube	7	7	0	—	—
5390 primary i&s nec	0	0	—	—	—
<b>Subtotal primary non-ferrous metal products</b>	<b>9</b>	<b>8</b>	<b>1</b>	<b>—</b>	<b>0</b>
5421 copper	1	1	—	—	—
5422 aluminum	1	1	—	—	—
5429 smelted prod. nec	2	2	0	—	—
5480 fab. metal products	5	5	0	—	0
<b>Subtotal primary wood products</b>	<b>3</b>	<b>—</b>	<b>3</b>	<b>—</b>	<b>—</b>
5540 primary wood prod.	3	—	3	—	—
<b>Total food and farm products</b>	<b>4</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>—</b>
<b>Subtotal fish</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>0</b>	<b>—</b>
6136 shellfish	0	—	—	0	—
<b>Subtotal oilseeds</b>	<b>1</b>	<b>—</b>	<b>1</b>	<b>—</b>	<b>—</b>
6590 oilseeds nec	1	—	1	—	—
<b>Subtotal vegetable products</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>—</b>	<b>—</b>
6654 vegetables & prod.	1	1	0	—	—
<b>Subtotal processed grain and animal feed</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>—</b>	<b>—</b>
6747 grain mill products	0	0	—	—	—

EVERETT HARBOR AND SNOHOMISH RIVER, WA  
Freight Traffic, 2016 - continued  
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Inbound	Outbound	Inbound	Outbound
6781 hay & fodder	0	0	—	—	—
6782 animal feed, prep.	1	—	1	—	—
<b>Subtotal other agricultural products</b>	<b>0</b>	<b>0</b>	<b>0</b>	—	—
6811 meat, fresh, frozen	0	0	—	—	—
6835 fish, prepared	0	—	0	—	—
6857 fruit & nuts nec	0	—	0	—	—
6858 fruit juices	0	0	—	—	—
6871 coffee	0	0	—	—	—
6885 alcoholic beverages	0	0	—	—	—
6889 food products nec	0	0	—	—	—
6899 farm products nec	0	0	—	—	—
<b>Total all manufactured equipment, machinery and products</b>	<b>163</b>	<b>150</b>	<b>12</b>	<b>0</b>	<b>0</b>
7110 machinery (not elec)	46	44	1	—	0
7120 electrical machinery	6	5	1	—	—
7210 vehicles & parts	44	44	0	—	—
7220 aircraft & parts	12	12	0	—	—
7230 ships & boats	0	0	—	—	0
7400 manufac. wood prod.	9	0	9	—	—
7500 textile products	2	2	0	—	—
7600 rubber & plastic pr.	24	24	—	—	—
7900 manufac. prod. nec	18	17	1	0	—
<b>Total unknown or not elsewhere classified</b>	<b>6</b>	<b>2</b>	<b>4</b>	—	—
9900 unknown or nec	6	2	4	—	—

Commodity	Total	Domestic			
		Coastwise		Internal	
		Shipments	Receipts	Shipments	Intraport
<b>Total all commodities</b>	<b>1,127</b>	<b>1</b>	<b>403</b>	<b>465</b>	<b>259</b>
<b>Total crude materials, inedible except fuels</b>	<b>1,122</b>	—	<b>398</b>	<b>465</b>	<b>259</b>
<b>Subtotal forest products, wood and chips</b>	<b>972</b>	—	<b>248</b>	<b>465</b>	<b>259</b>
4161 wood chips	393	—	16	228	150
4170 wood in the rough	578	—	232	237	109
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>150</b>	—	<b>150</b>	—	—
4331 sand & gravel	150	—	150	—	—
<b>Total all manufactured equipment, machinery and products</b>	<b>6</b>	<b>1</b>	<b>5</b>	—	—
7110 machinery (not elec)	1	1	—	—	—
7220 aircraft & parts	5	—	5	—	—

ANACORTES HARBOR, WA

Section Included: Water front of Fidalgo Island from Burrows Bay to and including the oil refinery wharves on Fidalgo Bay. Controlling Depth: Main harbor on Guemes Channel, 33 feet; CapSante Waterway, Outer Waterway 11.4 feet, Inner Waterway 11.8 feet, Anacortes Navigation Channel, 16.2 feet. Project Depth: No project for main harbor; Ca Sante Waterway, 12 feet Anacortes Navigation Channel, 18 feet. All depths refer to mlw.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
2007	14,341	2010	8,455	2013	9,889	<b>2016</b>	<b>10,683</b>
2008	11,468	2011	11,976	2014	10,055		
2009	10,431	2012	11,743	2015	9,520		

Freight Traffic, 2016 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Inbound	Outbound	Inbound	Outbound
<b>Total all commodities</b>	<b>2,365</b>	<b>95</b>	<b>1,452</b>	<b>114</b>	<b>704</b>
<b>Total petroleum and petroleum products</b>	<b>2,157</b>	<b>95</b>	<b>1,326</b>	<b>46</b>	<b>690</b>
<b>Subtotal crude petroleum</b>	<b>72</b>	<b>47</b>	—	<b>25</b>	—
2100 crude petroleum	72	47	—	25	—
<b>Subtotal petroleum products</b>	<b>2,085</b>	<b>49</b>	<b>1,326</b>	<b>21</b>	<b>690</b>
2211 gasoline	1,041	10	601	21	410
2221 kerosene	130	—	57	—	74
2330 distillate fuel oil	444	—	342	—	102
2340 residual fuel oil	43	—	29	—	14
2429 naphtha & solvents	53	39	—	—	14
2540 petroleum coke	374	—	297	—	76
<b>Total chemicals and related products</b>	<b>32</b>	—	<b>28</b>	—	<b>4</b>
<b>Subtotal other chemicals and related products</b>	<b>32</b>	—	<b>28</b>	—	<b>4</b>
3211 acyclic hydrocarbons	26	—	22	—	4
3299 chem. products nec	6	—	6	—	—
<b>Total crude materials, inedible except fuels</b>	<b>165</b>	—	<b>99</b>	<b>67</b>	—
<b>Subtotal forest products, wood and chips</b>	<b>67</b>	—	—	<b>67</b>	—
4170 wood in the rough	67	—	—	67	—
<b>Subtotal sulphur, clay and salt</b>	<b>99</b>	—	<b>99</b>	—	—
4741 sulphur. (drv)	99	—	99	—	—
<b>Total all manufactured equipment, machinery and products</b>	<b>0</b>	<b>0</b>	—	—	—
7110 machinery (not elec)	0	0	—	—	—
7210 vehicles & parts	0	0	—	—	—
<b>Total unknown or not elsewhere classified</b>	<b>11</b>	—	—	<b>1</b>	<b>10</b>
9900 unknown or nec	11	—	—	1	10

ANACORTES HARBOR, WA  
Freight Traffic, 2016 - continued  
(thousand short tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
<b>Total, all commodities</b>	<b>8,317</b>	<b>5,523</b>	<b>1,996</b>	<b>182</b>	<b>581</b>	<b>35</b>
<b>Total petroleum and petroleum products</b>	<b>8,317</b>	<b>5,523</b>	<b>1,996</b>	<b>182</b>	<b>580</b>	<b>35</b>
<b>Subtotal crude petroleum</b>	<b>5,212</b>	<b>5,056</b>	<b>143</b>	<b>13</b>	—	—
2100 crude petroleum	5,212	5,056	143	13	—	—
<b>Subtotal petroleum products</b>	<b>3,105</b>	<b>467</b>	<b>1,854</b>	<b>170</b>	<b>580</b>	<b>35</b>
2211 gasoline	779	29	599	34	116	0
2221 kerosene	380	—	346	—	—	35
2330 distillate fuel oil	1,326	419	758	109	39	—
2340 residual fuel oil	574	18	105	26	425	—
2350 lube oil & greases	0	0	—	—	—	—
2429 naphtha & solvents	46	—	46	—	—	—
<b>Total crude materials, inedible except fuels</b>	<b>0</b>	—	—	—	<b>0</b>	—
<b>Subtotal forest products, wood and chips</b>	<b>0</b>	—	—	—	<b>0</b>	—
4189 lumber	0	—	—	—	<b>0</b>	—
<b>Total primary manufactured goods</b>	<b>0</b>	—	—	—	<b>0</b>	—
<b>Subtotal lime, cement and glass</b>	<b>0</b>	—	—	—	<b>0</b>	—
5290 misc. mineral prod.	0	—	—	—	<b>0</b>	—
<b>Total all manufactured equipment, machinery and products</b>	<b>1</b>	—	—	—	<b>1</b>	—
7210 vehicles & parts	0	—	—	—	<b>0</b>	—
7400 manufac. wood prod.	0	—	—	—	<b>0</b>	—
7900 manufac. prod. nec	0	—	—	—	<b>0</b>	—

Other Harbors and Waterways 2016

Harbor or Waterway Project	Commodity	Thousand Short Tons
LAKE CROCKETT, WA	No Commerce Reported	0
BELLINGHAM BAY AND HARBOR, WA	5190 paper products nec	21
	6134 fish (not shellfish)	0
	6889 food products nec	0
	7230 ships & boats	0
	7400 manufac. wood prod.	0
	<b>Total Tons(x1000)</b>	<b>21</b>
BLAINE HARBOR, WA	No Commerce Reported	
COLUMBIA RIVER BETWEEN WENATCHEE AND KETTLE FALLS, WA	No Commerce Reported	
FLATHEAD LAKE, MT	No Commerce Reported	
HOQUIAM RIVER, WA	No Commerce Reported	
KOOTENAI RIVER, ID AND MT	No Commerce Reported	
NEAH BAY, WA	No Commerce Reported	
PORT GAMBLE HARBOR, WA	No Commerce Reported	
PORT TOWNSEND HARBOR, WA	4161 wood chips	242
	5110 newsprint	1
	<b>Total Tons(x1000)</b>	<b>243</b>
QUILLAYUTE RIVER, WA	2211 gasoline	8
	<b>Total Tons(x1000)</b>	<b>8</b>
SKAGIT RIVER, WA	<b>Total Ton-miles(x1000)</b>	<b>8</b>
	4170 wood in the rough	2
	<b>Total Tons(x1000)</b>	<b>2</b>
	<b>Total Ton-miles(x1000)</b>	<b>29</b>
	<b>Total Trip-ton-miles Internal and Intraport (x1000)</b>	<b>52</b>
STILLAGUAMISH RIVER, WA	No Commerce Reported	
SWINOMISH CHANNEL, WA	4170 wood in the rough	129
	4331 sand & gravel	0
	<b>Total Tons(x1000)</b>	<b>130</b>
	<b>Total Ton-miles(x1000)</b>	<b>404</b>
	<b>Total Trip-ton-miles Internal and Intraport (x1000)</b>	<b>3,862</b>
WATERWAY CONNECTING PORT TOWNSEND BAY AND OAK BAY, WA	No Commerce Reported	
WILLAPA RIVER AND HARBOR, AND NASELLE RIVER, WA	No Commerce Reported	
Non-project		
OTHER PUGET SOUND AREA PORTS, WA (NET)	2100 crude petroleum	7,700
	2211 gasoline	2,658
	2221 kerosene	746
	2330 distillate fuel oil	3,111
	2340 residual fuel oil	1,334
	2350 lube oil & greases	42
	2429 naphtha & solvents	43
	2640 hydrocarbon & petrol gases, liquefied and gaseous	848
	2990 petro. products nec	3
	3297 chemical additives	12
	4170 wood in the rough	322
	4189 lumber	2
	4331 sand & gravel	1,822
	4650 aluminum ore	409
	5290 misc. mineral prod.	2
	7110 machinery (not elec)	5
	7210 vehicles & parts	5
	7220 aircraft & parts	0
	7230 ships & boats	0
	7400 manufac. wood prod.	2
	7900 manufac. prod. nec	0
	<b>Total Tons(x1000)</b>	<b>19,066</b>

KETCHIKAN HARBOR, AK

Section Included: Tongass Narrows from Point Higgins on the north to Mountain Point on the south and including Herring Bay on George Inlet. Controlling Depth: Main Harbor, adequate; small boat basins, Ketchikan Creek, 10.0 feet; Bar Point, 15 feet. Project Depth: No project depth for Main Harbor; small boat basins, 10 and 15 feet. All depths refer to mlw.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
2007	595	2010	571	2013	1,058	2016	824
2008	462	2011	833	2014	1,020		
2009	593	2012	784	2015	928		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Foreign Outbound	Canadian Inbound	Domestic					
				Total	Coastwise		Internal		
					Receipts	Shipments	Receipts	Shipments	Intraport
<b>Total, all commodities</b>	<b>824</b>	<b>29</b>	<b>14</b>	<b>781</b>	<b>107</b>	<b>4</b>	<b>134</b>	<b>534</b>	<b>2</b>
<b>Total petroleum and petroleum products</b>	<b>222</b>	<b>—</b>	<b>14</b>	<b>208</b>	<b>106</b>	<b>3</b>	<b>25</b>	<b>73</b>	<b>2</b>
<b>Subtotal petroleum products</b>	<b>222</b>	<b>—</b>	<b>14</b>	<b>208</b>	<b>106</b>	<b>3</b>	<b>25</b>	<b>73</b>	<b>2</b>
2211 gasoline	33	—	9	24	20	0	3	1	—
2221 kerosene	31	—	—	31	29	—	1	—	—
2330 distillate fuel oil	82	—	5	77	56	0	18	2	—
2340 residual fuel oil	0	—	—	0	—	—	—	0	—
2350 lube oil & greases	1	—	—	1	—	—	—	1	—
2429 naphtha & solvents	0	—	—	0	—	—	0	0	—
2430 asphalt, tar & pitch	0	—	—	0	—	—	0	0	—
2540 petroleum coke	1	—	—	1	—	0	0	0	—
2640 hydrocarbon & petrol gases, liquefied and gaseous	5	—	—	5	—	—	2	4	—
2990 petro. products nec	69	—	—	69	—	3	0	65	2
<b>Total chemicals and related products</b>	<b>13</b>	<b>—</b>	<b>—</b>	<b>13</b>	<b>—</b>	<b>0</b>	<b>4</b>	<b>9</b>	<b>—</b>
<b>Subtotal fertilizers</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>0</b>	<b>—</b>
3110 nitrogenous fert.	0	—	—	0	—	—	—	0	—
<b>Subtotal other chemicals and related products</b>	<b>13</b>	<b>—</b>	<b>—</b>	<b>13</b>	<b>—</b>	<b>0</b>	<b>4</b>	<b>9</b>	<b>—</b>
3220 alcohols	0	—	—	0	—	—	0	0	—
3240 nitrogen func. comp.	0	—	—	0	—	—	—	0	—
3260 organic comp. nec	5	—	—	5	—	—	3	2	—
3276 metallic salts	0	—	—	0	—	—	0	—	—
3282 pigments & paints	1	—	—	1	—	0	0	1	—
3284 medicines	0	—	—	0	—	—	0	0	—
3285 perfumes & cleansers	0	—	—	0	—	—	0	0	—
3286 plastics	0	—	—	0	—	0	—	0	—
3293 explosives	1	—	—	1	—	—	1	0	—
3297 chemical additives	0	—	—	0	—	—	—	0	—
3299 chem. products nec	6	—	—	6	—	0	1	5	—
<b>Total crude materials, inedible except fuels</b>	<b>77</b>	<b>29</b>	<b>—</b>	<b>47</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>45</b>	<b>—</b>
<b>Subtotal forest products, wood and chips</b>	<b>48</b>	<b>29</b>	<b>—</b>	<b>18</b>	<b>0</b>	<b>—</b>	<b>2</b>	<b>16</b>	<b>—</b>
4150 fuel wood	0	—	—	0	—	—	0	0	—
4161 wood chips	0	—	—	0	—	—	0	0	—
4170 wood in the rough	43	29	—	14	0	—	1	13	—
4189 lumber	1	—	—	1	—	—	0	1	—
4190 forest products nec	3	—	—	3	—	—	1	2	—
<b>Subtotal pulp and waste paper</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>0</b>	<b>—</b>
4225 pulp & waste paper	0	—	—	0	—	—	—	0	—
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>7</b>	<b>—</b>	<b>—</b>	<b>7</b>	<b>—</b>	<b>0</b>	<b>0</b>	<b>7</b>	<b>—</b>
4310 building stone	0	—	—	0	—	—	—	0	—
4331 sand & gravel	5	—	—	5	—	0	0	4	—
4338 soil & fill dirt	2	—	—	2	—	—	—	2	—
<b>Subtotal iron ore and scrap</b>	<b>19</b>	<b>—</b>	<b>—</b>	<b>19</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>19</b>	<b>—</b>
4410 iron ore	19	—	—	19	—	—	—	19	—
4420 iron & steel scrap	0	—	—	0	—	—	—	0	—
<b>Subtotal sulphur, clay and salt</b>	<b>3</b>	<b>—</b>	<b>—</b>	<b>3</b>	<b>—</b>	<b>—</b>	<b>1</b>	<b>3</b>	<b>—</b>
4783 salt	3	—	—	3	—	—	1	3	—
<b>Total primary manufactured goods</b>	<b>102</b>	<b>—</b>	<b>—</b>	<b>102</b>	<b>0</b>	<b>0</b>	<b>18</b>	<b>84</b>	<b>—</b>
<b>Subtotal paper products</b>	<b>7</b>	<b>—</b>	<b>—</b>	<b>7</b>	<b>—</b>	<b>0</b>	<b>1</b>	<b>5</b>	<b>—</b>
5110 newsprint	0	—	—	0	—	—	0	0	—
5120 paper & paperboard	3	—	—	3	—	—	0	3	—
5190 paper products nec	3	—	—	3	—	0	1	2	—
<b>Subtotal lime, cement and glass</b>	<b>69</b>	<b>—</b>	<b>—</b>	<b>69</b>	<b>—</b>	<b>0</b>	<b>9</b>	<b>60</b>	<b>—</b>
5210 lime	1	—	—	1	—	—	—	1	—
5220 cement & concrete	45	—	—	45	—	0	2	43	—
5240 glass & glass prod.	5	—	—	5	—	0	0	5	—
5290 misc. mineral prod.	18	—	—	18	—	0	7	11	—
<b>Subtotal primary iron and steel products</b>	<b>1</b>	<b>—</b>	<b>—</b>	<b>1</b>	<b>—</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>—</b>
5360 i&s bars & shapes	0	—	—	0	—	—	0	0	—
5370 i&s pipe & tube	1	—	—	1	—	0	0	1	—
5390 primary i&s nec	0	—	—	0	—	—	0	0	—



KETCHIKAN HARBOR, AK  
Freight Traffic, 2016 - continued  
(thousand short tons)

Commodity	Grand Total	Foreign Outbound	Canadian Inbound	Domestic					
				Total	Coastwise		Internal		
					Receipts	Shipments	Receipts	Shipments	Intraport
<b>Subtotal primary non-ferrous metal products</b>	<b>24</b>	---	---	<b>24</b>	<b>0</b>	<b>0</b>	<b>7</b>	<b>17</b>	---
5421 copper	0	---	---	0	---	---	---	0	---
5480 fab. metal products	24	---	---	24	0	0	7	17	---
<b>Subtotal primary wood products</b>	<b>1</b>	---	---	<b>1</b>	---	<b>0</b>	<b>0</b>	<b>1</b>	---
5540 primary wood prod.	1	---	---	1	---	0	0	1	---
<b>Total food and farm products</b>	<b>182</b>	---	<b>0</b>	<b>182</b>	<b>0</b>	<b>0</b>	<b>23</b>	<b>158</b>	---
<b>Subtotal fish</b>	<b>52</b>	---	<b>0</b>	<b>52</b>	---	<b>0</b>	<b>0</b>	<b>52</b>	---
6134 fish (not shellfish)	51	---	0	51	---	0	0	51	---
6136 shellfish	2	---	---	2	---	0	0	2	---
<b>Subtotal processed grain and animal feed</b>	<b>3</b>	---	---	<b>3</b>	---	---	<b>0</b>	<b>2</b>	---
6747 grain mill products	1	---	---	1	---	---	0	1	---
6781 hay & fodder	0	---	---	0	---	---	---	0	---
6782 animal feed, prep.	2	---	---	2	---	---	0	1	---
<b>Subtotal other agricultural products</b>	<b>127</b>	---	---	<b>127</b>	<b>0</b>	<b>0</b>	<b>23</b>	<b>104</b>	---
6811 meat, fresh, frozen	4	---	---	4	---	---	---	4	---
6835 fish, prepared	9	---	---	9	---	---	0	9	---
6838 tallow, animal oils	0	---	---	0	---	---	---	0	---
6885 alcoholic beverages	35	---	---	35	---	0	1	34	---
6887 groceries	60	---	---	60	0	0	19	41	---
6888 water & ice	0	---	---	0	---	---	---	0	---
6889 food products nec	17	---	---	17	---	0	2	15	---
6899 farm products nec	0	---	---	0	---	---	0	0	---
<b>Total all manufactured equipment, machinery and products</b>	<b>116</b>	---	<b>0</b>	<b>115</b>	<b>1</b>	<b>0</b>	<b>28</b>	<b>86</b>	---
7110 machinery (not elec)	12	---	---	12	0	0	5	7	---
7120 electrical machinery	2	---	---	2	0	0	1	2	---
7210 vehicles & parts	11	---	---	11	0	0	3	9	---
7220 aircraft & parts	0	---	---	0	---	---	---	0	---
7230 ships & boats	1	---	---	1	---	---	0	1	---
7300 ordnance & access.	0	---	---	0	---	---	0	0	---
7400 manufac. wood prod.	18	---	---	18	0	0	3	15	---
7500 textile products	4	---	---	4	---	0	2	2	---
7600 rubber & plastic pr.	1	---	---	1	---	0	0	1	---
7900 manufac. prod. nec	66	---	0	66	0	0	15	51	---
<b>Total waste and scrap nec</b>	<b>33</b>	---	---	<b>33</b>	<b>0</b>	---	<b>0</b>	<b>33</b>	---
8900 waste and scrap nec	33	---	---	33	0	---	0	33	---
<b>Total unknown or not elsewhere classified</b>	<b>80</b>	---	---	<b>80</b>	<b>0</b>	---	<b>34</b>	<b>46</b>	---
9900 unknown or nec	80	---	---	80	0	---	34	46	---

WRANGELL NARROWS, AK

Section Included: Entire 24 mile long waterway. Controlling Depth: 26 feet in the anchorage basin and 24 feet in the authorized channel with exception of the area near Colorado Reef where a depth of 21.6 feet exists. Project Depth: 27 feet through Petersburg Bar; 26 feet in anchorage basin, vicinity of mile 14; all other, 24 feet. All depths refer to mlw.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
2007	842	2010	964	2013	1,660	<b>2016</b>	<b>1,343</b>
2008	617	2011	1,063	2014	1,532		
2009	798	2012	1,249	2015	1,475		

Freight Traffic, 2016 (thousand short tons)

Commodity	Total	Coastwise			
		Shipments	Through		
			Upbound	Downbnd	
<b>Total, all commodities</b>	<b>230</b>	<b>1</b>	<b>81</b>	<b>148</b>	
<b>Total petroleum and petroleum products</b>	<b>21</b>	<b>0</b>	<b>21</b>	<b>0</b>	
<b>Subtotal petroleum products</b>	<b>21</b>	<b>0</b>	<b>21</b>	<b>0</b>	
2211 gasoline	4	0	4	---	
2221 kerosene	6	---	6	---	
2330 distillate fuel oil	6	0	6	---	
2540 petroleum coke	0	0	0	---	
2640 hydrocarbon & petrol gases, liquefied and gaseous	1	---	1	0	
2990 petro. products nec	3	0	3	0	
<b>Total chemicals and related products</b>	<b>29</b>	<b>0</b>	<b>4</b>	<b>26</b>	
<b>Subtotal fertilizers</b>	<b>2</b>	---	<b>2</b>	---	
3110 nitrogenous fert.	2	---	2	---	
<b>Subtotal other chemicals and related products</b>	<b>28</b>	<b>0</b>	<b>2</b>	<b>26</b>	
3220 alcohols	0	---	0	0	
3260 organic comp. nec	0	---	---	0	
3276 metallic salts	2	---	2	---	
3282 pigments & paints	0	0	0	---	
3286 plastics	0	0	0	---	
3299 chem. products nec	25	0	0	25	

WRANGELL NARROWS, AK  
Freight Traffic, 2016 - continued  
(thousand short tons)

Commodity	Total	Coastwise		
		Shipments	Through	
			Upbound	Downbnd
<b>Total crude materials, inedible except fuels</b>	<b>16</b>	<b>0</b>	<b>7</b>	<b>9</b>
<b>Subtotal forest products, wood and chips</b>	<b>5</b>	<b>—</b>	<b>5</b>	<b>0</b>
4170 wood in the rough	0	—	0	0
4189 lumber	5	—	5	0
4190 forest products nec	0	—	0	0
<b>Subtotal pulp and waste paper</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>0</b>
4225 pulp & waste paper	0	—	—	0
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>—</b>
4331 sand & gravel	1	0	1	—
<b>Subtotal iron ore and scrap</b>	<b>9</b>	<b>—</b>	<b>—</b>	<b>9</b>
4410 iron ore	0	—	—	0
4420 iron & steel scrap	8	—	—	8
<b>Subtotal sulphur, clay and salt</b>	<b>2</b>	<b>—</b>	<b>2</b>	<b>—</b>
4783 salt	2	—	2	—
<b>Total primary manufactured goods</b>	<b>30</b>	<b>0</b>	<b>29</b>	<b>1</b>
<b>Subtotal paper products</b>	<b>7</b>	<b>0</b>	<b>7</b>	<b>0</b>
5190 paper products nec	7	0	7	0
<b>Subtotal lime, cement and glass</b>	<b>7</b>	<b>0</b>	<b>6</b>	<b>0</b>
5220 cement & concrete	1	0	1	—
5240 glass & glass prod.	1	0	1	—
5290 misc. mineral prod.	4	0	4	0
<b>Subtotal primary iron and steel products</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>—</b>
5360 i&s bars & shapes	1	—	1	—
5370 i&s pipe & tube	1	0	1	—
<b>Subtotal primary non-ferrous metal products</b>	<b>13</b>	<b>0</b>	<b>12</b>	<b>1</b>
5480 fab. metal products	13	0	12	1
<b>Subtotal primary wood products</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>—</b>
5540 primary wood prod.	1	0	1	—
<b>Total food and farm products</b>	<b>112</b>	<b>0</b>	<b>4</b>	<b>107</b>
<b>Subtotal fish</b>	<b>77</b>	<b>0</b>	<b>0</b>	<b>77</b>
6134 fish (not shellfish)	67	0	0	67
6136 shellfish	9	0	0	9
<b>Subtotal vegetable products</b>	<b>1</b>	<b>—</b>	<b>—</b>	<b>1</b>
6653 vegetable oils	1	—	—	1
<b>Subtotal processed grain and animal feed</b>	<b>3</b>	<b>—</b>	<b>—</b>	<b>3</b>
6782 animal feed, prep.	3	—	—	3
<b>Subtotal other agricultural products</b>	<b>31</b>	<b>0</b>	<b>4</b>	<b>27</b>
6835 fish, prepared	20	—	—	20
6838 tallow, animal oils	7	—	—	7
6885 alcoholic beverages	1	0	1	0
6887 groceries	4	0	3	0
6889 food products nec	0	0	0	—
<b>Total all manufactured equipment, machinery and products</b>	<b>21</b>	<b>0</b>	<b>16</b>	<b>5</b>
7110 machinery (not elec)	7	0	5	2
7120 electrical machinery	0	0	0	0
7210 vehicles & parts	1	0	1	0
7230 ships & boats	1	—	0	0
7400 manufac. wood prod.	6	0	6	0
7500 textile products	0	0	0	0
7600 rubber & plastic pr.	0	0	0	—
7900 manufac. prod. nec	6	0	4	2
<b>Total waste and scrap nec</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>0</b>
8900 waste and scrap nec	0	—	—	0
<b>Ton-miles (x1000)</b>	<b>5,679</b>	<b>5</b>	<b>1,978</b>	<b>3,697</b>
<b>Coastwise</b>				

Commodity	Total	Internal					
		Inbound		Outbound		Through	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
<b>Total, all commodities</b>	<b>1,113</b>	<b>104</b>	<b>23</b>	<b>252</b>	<b>119</b>	<b>475</b>	<b>139</b>
<b>Total petroleum and petroleum products</b>	<b>78</b>	<b>11</b>	<b>0</b>	<b>6</b>	<b>1</b>	<b>59</b>	<b>1</b>
<b>Subtotal petroleum products</b>	<b>78</b>	<b>11</b>	<b>0</b>	<b>6</b>	<b>1</b>	<b>59</b>	<b>1</b>
2211 gasoline	2	1	0	1	0	1	0
2330 distillate fuel oil	3	—	—	0	—	2	1
2340 residual fuel oil	0	0	—	0	—	0	—
2350 lube oil & greases	3	1	0	1	—	1	—
2429 naphtha & solvents	0	0	—	0	0	0	0
2430 asphalt, tar & pitch	1	0	0	0	0	0	—
2540 petroleum coke	1	0	—	0	—	1	—
2640 hydrocarbon & petrol gases, liquefied and gaseous	11	2	—	3	0	5	0
2990 petro. products nec	57	7	0	0	0	49	0
<b>Total chemicals and related products</b>	<b>25</b>	<b>2</b>	<b>0</b>	<b>7</b>	<b>1</b>	<b>13</b>	<b>1</b>
<b>Subtotal fertilizers</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>
3110 nitrogenous fert.	0	0	—	0	—	—	—
<b>Subtotal other chemicals and related products</b>	<b>25</b>	<b>2</b>	<b>0</b>	<b>7</b>	<b>1</b>	<b>13</b>	<b>1</b>
3220 alcohols	0	0	—	0	—	0	—
3240 nitrogen func. comp.	0	—	—	0	—	0	—
3260 organic comp. nec	6	1	0	1	0	3	1
3282 pigments & paints	2	0	0	1	0	1	0
3284 medicines	0	—	—	0	—	0	—
3285 perfumes & cleansers	0	0	—	0	—	0	—

WRANGELL NARROWS, AK  
Freight Traffic, 2016 - continued  
(thousand short tons)

Commodity	Total	Internal					
		Inbound		Outbound		Through	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
3286 plastics	0	0	—	0	—	0	—
3293 explosives	1	0	0	0	0	0	0
3297 chemical additives	0	—	—	0	—	0	—
3299 chem. products nec	15	0	0	5	0	9	0
<b>Total crude materials, inedible except fuels</b>	<b>107</b>	<b>5</b>	<b>1</b>	<b>11</b>	<b>23</b>	<b>18</b>	<b>50</b>
<b>Subtotal forest products, wood and chips</b>	<b>27</b>	<b>2</b>	<b>1</b>	<b>4</b>	<b>6</b>	<b>6</b>	<b>7</b>
4150 fuel wood	1	0	0	0	0	1	—
4161 wood chips	1	0	—	0	—	0	—
4170 wood in the rough	17	1	1	1	6	1	7
4189 lumber	3	0	—	1	—	2	—
4190 forest products nec	5	1	—	2	0	3	0
<b>Subtotal pulp and waste paper</b>	<b>1</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>0</b>
4225 pulp & waste paper	1	—	0	—	0	—	0
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>17</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>1</b>	<b>9</b>	<b>3</b>
4310 building stone	0	—	—	0	—	0	—
4331 sand & gravel	13	0	—	4	0	9	0
4338 soil & fill dirt	4	—	0	0	1	0	3
<b>Subtotal iron ore and scrap</b>	<b>56</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>16</b>	<b>—</b>	<b>40</b>
4410 iron ore	55	—	—	—	16	—	40
4420 iron & steel scrap	0	—	—	—	0	—	0
<b>Subtotal sulphur, clay and salt</b>	<b>7</b>	<b>3</b>	<b>0</b>	<b>2</b>	<b>—</b>	<b>2</b>	<b>—</b>
4783 salt	7	3	0	2	—	2	—
<b>Total primary manufactured goods</b>	<b>245</b>	<b>18</b>	<b>0</b>	<b>75</b>	<b>6</b>	<b>137</b>	<b>10</b>
<b>Subtotal paper products</b>	<b>15</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>3</b>	<b>2</b>	<b>6</b>
5110 newsprint	1	0	—	0	—	0	—
5120 paper & paperboard	9	0	0	0	3	0	6
5190 paper products nec	5	2	0	1	0	1	0
<b>Subtotal lime, cement and glass</b>	<b>180</b>	<b>7</b>	<b>0</b>	<b>58</b>	<b>1</b>	<b>112</b>	<b>2</b>
5210 lime	3	—	—	1	—	2	—
5220 cement & concrete	128	3	0	42	0	82	0
5240 glass & glass prod.	15	0	0	5	0	10	0
5290 misc. mineral prod.	34	4	0	10	1	18	2
<b>Subtotal primary iron and steel products</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>
5360 i&s bars & shapes	0	0	—	0	—	0	—
5370 i&s pipe & tube	2	1	0	1	0	1	0
5390 primary i&s nec	0	—	—	0	—	0	—
<b>Subtotal primary non-ferrous metal products</b>	<b>44</b>	<b>6</b>	<b>0</b>	<b>13</b>	<b>1</b>	<b>21</b>	<b>2</b>
5421 copper	0	—	—	0	—	0	—
5480 fab. metal products	43	6	0	13	1	21	2
<b>Subtotal primary wood products</b>	<b>4</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>
5540 primary wood prod.	4	1	0	1	0	1	0
<b>Total food and farm products</b>	<b>286</b>	<b>34</b>	<b>8</b>	<b>64</b>	<b>44</b>	<b>102</b>	<b>34</b>
<b>Subtotal fish</b>	<b>32</b>	<b>1</b>	<b>6</b>	<b>0</b>	<b>18</b>	<b>0</b>	<b>6</b>
6134 fish (not shellfish)	30	1	6	0	17	0	6
6136 shellfish	2	—	0	0	1	0	0
<b>Subtotal processed grain and animal feed</b>	<b>5</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>
6747 grain mill products	1	0	—	0	1	0	0
6781 hay & fodder	1	—	—	0	—	0	—
6782 animal feed, prep.	3	2	0	0	0	0	0
<b>Subtotal other agricultural products</b>	<b>249</b>	<b>32</b>	<b>1</b>	<b>62</b>	<b>25</b>	<b>101</b>	<b>28</b>
6811 meat, fresh, frozen	2	—	0	—	1	—	1
6835 fish, prepared	3	—	1	0	2	0	0
6838 tallow, animal oils	0	—	0	—	0	—	—
6885 alcoholic beverages	79	2	0	10	22	18	27
6887 groceries	121	27	0	38	0	55	0
6888 water & ice	0	0	—	0	—	—	—
6889 food products nec	44	3	—	15	0	27	0
6899 farm products nec	0	0	—	0	—	0	—
<b>Total all manufactured equipment, machinery and products</b>	<b>244</b>	<b>25</b>	<b>5</b>	<b>65</b>	<b>16</b>	<b>105</b>	<b>29</b>
7110 machinery (not elec)	22	2	1	4	3	5	7
7120 electrical machinery	5	1	0	1	0	2	0
7210 vehicles & parts	21	2	0	6	2	9	2
7220 aircraft & parts	0	—	—	—	0	—	0
7230 ships & boats	1	0	0	0	0	0	0
7300 ordnance & access.	0	0	—	0	—	0	—
7400 manufac. wood prod.	39	10	0	12	1	16	1
7500 textile products	6	1	0	1	1	2	1
7600 rubber & plastic pr.	1	0	0	0	0	0	0
7900 manufac. prod. nec	148	8	4	40	8	71	17
<b>Total waste and scrap nec</b>	<b>35</b>	<b>—</b>	<b>6</b>	<b>0</b>	<b>18</b>	<b>0</b>	<b>11</b>
8900 waste and scrap nec	35	—	6	0	18	0	11
<b>Total unknown or not elsewhere classified</b>	<b>93</b>	<b>10</b>	<b>3</b>	<b>25</b>	<b>12</b>	<b>41</b>	<b>3</b>
9900 unknown or nec	93	10	3	25	12	41	3
<b>Ton-miles (x1000)</b>	<b>21,163</b>	<b>2,204</b>	<b>94</b>	<b>1,008</b>	<b>2,505</b>	<b>11,867</b>	<b>3,485</b>
<b>Internal</b>							
<b>Tons All Traffic (x1000)</b>	<b>1,343</b>						
<b>Ton-miles All Traffic (x1000)</b>	<b>26,843</b>						
<b>Total Trip-ton-miles Internal and Intraport (x1000)</b>	<b>611,646</b>						

PETERSBURG HARBOR, AK

Section Included: Eastern shore of Wrangell Narrows from the Rockyout-Cropping north of the town of Petersburg to and including Scow Bay. Controlling Depth: 24 feet in approaches to existing wharves; 11 feet and 15 feet depths in the small boat basin; 9 feet in Scow Bay alongside barge ramp. All depths refer to mllw.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
2007	189	2010	166	2013	511	2016	500
2008	166	2011	186	2014	590		
2009	178	2012	331	2015	565		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Domestic			
		Coastwise		Internal	
		Shipments	Receipts	Shipments	Receipts
<b>Total, all commodities</b>	<b>500</b>	<b>1</b>	<b>127</b>	<b>371</b>	
<b>Total petroleum and petroleum products</b>	<b>18</b>	<b>0</b>	<b>11</b>	<b>7</b>	
<b>Subtotal petroleum products</b>	<b>18</b>	<b>0</b>	<b>11</b>	<b>7</b>	
2211 gasoline	1	0	1	1	
2330 distillate fuel oil	0	0	—	0	
2340 residual fuel oil	0	—	0	0	
2350 lube oil & greases	2	—	1	1	
2429 naphtha & solvents	0	—	0	0	
2430 asphalt, tar & pitch	0	—	0	0	
2540 petroleum coke	1	0	0	0	
2640 hydrocarbon & petrol gases, liquefied and gaseous	6	—	2	3	
2990 petro. products nec	8	0	7	1	
<b>Total chemicals and related products</b>	<b>10</b>	<b>0</b>	<b>2</b>	<b>8</b>	
<b>Subtotal fertilizers</b>	<b>0</b>	<b>—</b>	<b>0</b>	<b>0</b>	
3110 nitrogenous fert.	0	—	0	0	
<b>Subtotal other chemicals and related products</b>	<b>10</b>	<b>0</b>	<b>2</b>	<b>8</b>	
3220 alcohols	0	—	0	0	
3240 nitrogen func. comp.	0	—	—	0	
3260 organic comp. nec	3	—	1	2	
3282 pigments & paints	1	0	0	1	
3284 medicines	0	—	—	0	
3285 perfumes & cleansers	0	—	0	0	
3286 plastics	0	0	0	0	
3293 explosives	0	—	0	0	
3297 chemical additives	0	—	—	0	
3299 chem. products nec	5	0	1	5	
<b>Total crude materials, inedible except fuels</b>	<b>40</b>	<b>0</b>	<b>6</b>	<b>34</b>	
<b>Subtotal forest products, wood and chips</b>	<b>14</b>	<b>—</b>	<b>3</b>	<b>10</b>	
4150 fuel wood	0	—	0	0	
4161 wood chips	0	—	0	0	
4170 wood in the rough	9	—	2	7	
4189 lumber	1	—	0	1	
4190 forest products nec	2	—	1	2	
<b>Subtotal pulp and waste paper</b>	<b>0</b>	<b>—</b>	<b>0</b>	<b>0</b>	
4225 pulp & waste paper	0	—	0	0	
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>5</b>	
4310 building stone	0	—	—	0	
4331 sand & gravel	5	0	0	4	
4338 soil & fill dirt	1	—	0	1	
<b>Subtotal iron ore and scrap</b>	<b>16</b>	<b>—</b>	<b>—</b>	<b>16</b>	
4410 iron ore	16	—	—	16	
4420 iron & steel scrap	0	—	—	0	
<b>Subtotal sulphur, clay and salt</b>	<b>5</b>	<b>—</b>	<b>3</b>	<b>2</b>	
4783 salt	5	—	3	2	
<b>Total primary manufactured goods</b>	<b>99</b>	<b>0</b>	<b>18</b>	<b>80</b>	
<b>Subtotal paper products</b>	<b>7</b>	<b>0</b>	<b>2</b>	<b>5</b>	
5110 newsprint	0	—	0	0	
5120 paper & paperboard	3	—	0	3	
5190 paper products nec	4	0	2	1	
<b>Subtotal lime, cement and glass</b>	<b>67</b>	<b>0</b>	<b>8</b>	<b>59</b>	
5210 lime	1	—	—	1	
5220 cement & concrete	46	0	4	42	
5240 glass & glass prod.	5	0	0	5	
5290 misc. mineral prod.	15	0	4	11	
<b>Subtotal primary iron and steel products</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>1</b>	
5360 i&s bars & shapes	0	—	0	0	
5370 i&s pipe & tube	1	0	1	1	
5390 primary i&s nec	0	—	—	0	
<b>Subtotal primary non-ferrous metal products</b>	<b>21</b>	<b>0</b>	<b>7</b>	<b>14</b>	
5421 copper	0	—	—	0	
5480 fab. metal products	21	0	7	14	
<b>Subtotal primary wood products</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>1</b>	
5540 primary wood prod.	2	0	1	1	
<b>Total food and farm products</b>	<b>150</b>	<b>0</b>	<b>42</b>	<b>108</b>	
<b>Subtotal fish</b>	<b>25</b>	<b>0</b>	<b>7</b>	<b>19</b>	
6134 fish (not shellfish)	24	0	7	17	
6136 shellfish	1	0	0	1	
<b>Subtotal processed grain and animal feed</b>	<b>4</b>	<b>—</b>	<b>2</b>	<b>2</b>	
6747 grain mill products	1	—	0	1	
6781 hay & fodder	0	—	—	0	
6782 animal feed, prep.	3	—	2	1	
<b>Subtotal other agricultural products</b>	<b>121</b>	<b>0</b>	<b>33</b>	<b>87</b>	
6811 meat, fresh, frozen	1	—	0	1	
6835 fish, prepared	3	—	1	2	

PETERSBURG HARBOR, AK  
 Freight Traffic, 2016 - continued  
 (thousand short tons)

Commodity	Grand Total	Domestic		
		Coastwise		Internal
		Shipments	Receipts	Shipments
6838 tallow, animal oils	0	—	0	0
6885 alcoholic beverages	34	0	2	32
6887 groceries	66	0	27	38
6888 water & ice	0	—	0	0
6889 food products nec	17	0	3	15
6899 farm products nec	0	—	0	0
<b>Total all manufactured equipment, machinery and products</b>	<b>111</b>	<b>0</b>	<b>30</b>	<b>81</b>
7110 machinery (not elec)	10	0	2	7
7120 electrical machinery	3	0	1	2
7210 vehicles & parts	10	0	3	8
7220 aircraft & parts	0	—	—	0
7230 ships & boats	1	—	0	0
7300 ordnance & access.	0	—	0	0
7400 manufac. wood prod.	23	0	10	13
7500 textile products	3	0	1	2
7600 rubber & plastic pr.	1	0	0	0
7900 manufac. prod. nec	61	0	12	49
<b>Total waste and scrap nec</b>	<b>24</b>	<b>—</b>	<b>6</b>	<b>18</b>
8900 waste and scrap nec	24	—	6	18
<b>Total unknown or not elsewhere classified</b>	<b>49</b>	<b>—</b>	<b>12</b>	<b>36</b>
9900 unknown or nec	49	—	12	36

JUNEAU HARBOR, AK

Section Included: The northside of Gastineau Channel including Theaurora Basin small boat harbor. The city dock facility has a 200 foot sea plane and medium draft dock and a 500 foot commercial dock with a 40 foot depth. Three area small boat harbors accomodate 2,700 small boats and have water depths of 12 & 14 feet.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
2007	417	2010	346	2013	709	<b>2016</b>	<b>771</b>
2008	298	2011	388	2014	929		
2009	302	2012	544	2015	865		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Domestic			
		Coastwise		Internal	
		Receipts	Shipments	Inbound Upbound	Outbound Downbnd
<b>Total, all commodities</b>	<b>771</b>	<b>84</b>	<b>31</b>	<b>453</b>	<b>203</b>
<b>Total petroleum and petroleum products</b>	<b>126</b>	<b>69</b>	<b>0</b>	<b>40</b>	<b>17</b>
<b>Subtotal petroleum products</b>	<b>126</b>	<b>69</b>	<b>0</b>	<b>40</b>	<b>17</b>
2211 gasoline	15	14	0	1	0
2221 kerosene	27	27	—	—	—
2330 distillate fuel oil	29	28	0	1	0
2340 residual fuel oil	0	—	—	—	0
2350 lube oil & greases	16	—	—	1	15
2429 naphtha & solvents	0	0	0	0	0
2430 asphalt, tar & pitch	0	—	—	0	0
2540 petroleum coke	1	—	0	1	0
2640 hydrocarbon & petrol gases, liquefied and gaseous	9	0	0	7	2
2990 petro. products nec	28	—	0	28	0
<b>Total chemicals and related products</b>	<b>18</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>8</b>
<b>Subtotal other chemicals and related products</b>	<b>18</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>8</b>
3220 alcohols	0	—	—	0	—
3240 nitrogen func. comp.	0	—	—	0	—
3260 organic comp. nec	3	—	—	1	2
3276 metallic salts	0	—	0	—	—
3282 pigments & paints	1	0	0	1	0
3284 medicines	0	—	—	0	—
3285 perfumes & cleansers	0	0	—	0	0
3286 plastics	0	—	0	0	0
3293 explosives	5	—	—	4	1
3297 chemical additives	0	—	—	0	—
3299 chem. products nec	8	0	0	4	4
<b>Total crude materials, inedible except fuels</b>	<b>43</b>	<b>1</b>	<b>1</b>	<b>11</b>	<b>30</b>
<b>Subtotal forest products, wood and chips</b>	<b>14</b>	<b>0</b>	<b>0</b>	<b>7</b>	<b>7</b>
4150 fuel wood	1	—	—	0	0
4161 wood chips	0	—	—	0	—
4170 wood in the rough	9	0	0	3	5
4189 lumber	1	—	0	1	1
4190 forest products nec	3	0	0	3	0
<b>Subtotal pulp and waste paper</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>0</b>
4225 pulp & waste paper	0	—	—	—	0
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>7</b>	<b>—</b>	<b>0</b>	<b>2</b>	<b>5</b>
4310 building stone	0	—	—	0	—
4331 sand & gravel	6	—	0	1	4
4338 soil & fill dirt	1	—	0	0	1
<b>Subtotal iron ore and scrap</b>	<b>16</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>16</b>
4410 iron ore	16	—	—	—	16
4420 iron & steel scrap	0	—	—	—	0

JUNEAU HARBOR, AK  
Freight Traffic, 2016 - continued  
(thousand short tons)

Commodity	Grand Total	Domestic			
		Coastwise		Internal	
		Receipts	Shipments	Inbound Upbound	Outbound Downbnd
<b>Subtotal sulphur, clay and salt</b>	<b>5</b>	<b>1</b>	<b>0</b>	<b>2</b>	<b>2</b>
4783 salt	5	1	0	2	2
<b>Total primary manufactured goods</b>	<b>150</b>	<b>7</b>	<b>8</b>	<b>84</b>	<b>51</b>
<b>Subtotal paper products</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>3</b>
5110 newsprint	1	0	0	0	0
5120 paper & paperboard	3	—	—	0	3
5190 paper products nec	3	0	0	2	0
<b>Subtotal lime, cement and glass</b>	<b>112</b>	<b>4</b>	<b>6</b>	<b>61</b>	<b>41</b>
5210 lime	1	—	0	0	1
5220 cement & concrete	61	0	0	23	38
5240 glass & glass prod.	15	1	0	14	0
5290 misc. mineral prod.	35	3	5	25	2
<b>Subtotal primary iron and steel products</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>
5360 i&s bars & shapes	0	—	0	0	0
5370 i&s pipe & tube	2	0	0	1	0
5390 primary i&s nec	0	—	—	0	—
<b>Subtotal primary non-ferrous metal products</b>	<b>28</b>	<b>3</b>	<b>2</b>	<b>17</b>	<b>6</b>
5421 copper	0	—	—	0	—
5480 fab. metal products	28	3	2	17	6
<b>Subtotal primary wood products</b>	<b>2</b>	<b>—</b>	<b>0</b>	<b>1</b>	<b>0</b>
5540 primary wood prod.	2	—	0	1	0
<b>Total food and farm products</b>	<b>171</b>	<b>2</b>	<b>9</b>	<b>112</b>	<b>49</b>
<b>Subtotal fish</b>	<b>9</b>	<b>—</b>	<b>0</b>	<b>3</b>	<b>6</b>
6134 fish (not shellfish)	9	—	0	3	6
6136 shellfish	0	—	0	0	0
<b>Subtotal processed grain and animal feed</b>	<b>2</b>	<b>—</b>	<b>0</b>	<b>1</b>	<b>1</b>
6747 grain mill products	1	—	—	0	0
6781 hay & fodder	1	—	0	0	0
6782 animal feed, prep.	1	—	0	0	0
<b>Subtotal other agricultural products</b>	<b>160</b>	<b>2</b>	<b>8</b>	<b>108</b>	<b>42</b>
6811 meat, fresh, frozen	1	—	—	—	1
6835 fish, prepared	1	0	—	0	0
6885 alcoholic beverages	40	0	2	6	32
6887 groceries	77	1	0	69	6
6888 water & ice	0	—	—	—	0
6889 food products nec	42	0	5	33	3
6899 farm products nec	0	—	0	0	0
<b>Total all manufactured equipment, machinery and products</b>	<b>187</b>	<b>4</b>	<b>12</b>	<b>135</b>	<b>35</b>
7110 machinery (not elec)	20	3	2	8	7
7120 electrical machinery	2	0	0	2	0
7210 vehicles & parts	18	0	1	14	3
7220 aircraft & parts	0	—	—	—	0
7230 ships & boats	0	0	0	0	0
7300 ordnance & access.	0	—	—	0	—
7400 manufac. wood prod.	23	0	1	18	3
7500 textile products	5	0	0	3	2
7600 rubber & plastic pr.	1	0	0	0	0
7900 manufac. prod. nec	117	1	8	89	20
<b>Total waste and scrap nec</b>	<b>10</b>	<b>0</b>	<b>—</b>	<b>1</b>	<b>9</b>
8900 waste and scrap nec	10	0	—	1	9
<b>Total unknown or not elsewhere classified</b>	<b>65</b>	<b>1</b>	<b>0</b>	<b>61</b>	<b>3</b>
9900 unknown or nec	65	1	0	61	3

**Tons All Traffic (x1000)** 771  
**Total Trip-ton-miles Internal and Intraport (x1000)** 285,285

VALDEZ HARBOR, AK

NON-CORPS PROJECT

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
2007	37,775	2010	31,902	2013	28,166	<b>2016</b>	<b>27,652</b>
2008	35,967	2011	29,838	2014	26,513		
2009	34,473	2012	27,900	2015	26,747		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Foreign Outbound	Domestic				
			Total	Coastwise		Internal	
				Receipts	Shipments	Outbound Downbnd	Intra Upbound
<b>Total, all commodities</b>	<b>27,652</b>	<b>494</b>	<b>27,158</b>	<b>8</b>	<b>27,080</b>	<b>8</b>	<b>61</b>
<b>Total petroleum and petroleum products</b>	<b>27,644</b>	<b>494</b>	<b>27,150</b>	<b>8</b>	<b>27,080</b>	<b>0</b>	<b>61</b>
<b>Subtotal crude petroleum</b>	<b>27,086</b>	<b>494</b>	<b>26,591</b>	<b>—</b>	<b>26,530</b>	<b>—</b>	<b>61</b>
2100 crude petroleum	27,086	494	26,591	—	26,530	—	61
<b>Subtotal petroleum products</b>	<b>558</b>	<b>—</b>	<b>558</b>	<b>8</b>	<b>550</b>	<b>0</b>	<b>—</b>
2211 gasoline	1	—	1	—	1	—	—
2221 kerosene	393	—	393	3	390	—	—
2330 distillate fuel oil	158	—	158	5	153	0	—
2340 residual fuel oil	7	—	7	—	7	—	—

VALDEZ HARBOR, AK  
Freight Traffic, 2016 - continued  
(thousand short tons)

Commodity	Grand Total	Foreign		Domestic			
		Outbound	Total	Coastwise		Internal	
				Receipts	Shipments	Outbound Downbnd	Intra Upbound
2640 hydrocarbon & petrol gases, liquefied and gaseous	0	---	0	---	---	0	---
2990 petro. products nec	0	---	0	---	---	0	---
<b>Total chemicals and related products</b>	<b>0</b>	<b>---</b>	<b>0</b>	<b>---</b>	<b>---</b>	<b>0</b>	<b>---</b>
<b>Subtotal other chemicals and related products</b>	<b>0</b>	<b>---</b>	<b>0</b>	<b>---</b>	<b>---</b>	<b>0</b>	<b>---</b>
3260 organic comp. nec	0	---	0	---	---	0	---
3282 pigments & paints	0	---	0	---	---	0	---
3286 plastics	0	---	0	---	---	0	---
<b>Total crude materials, inedible except fuels</b>	<b>0</b>	<b>---</b>	<b>0</b>	<b>---</b>	<b>---</b>	<b>0</b>	<b>---</b>
<b>Subtotal forest products, wood and chips</b>	<b>0</b>	<b>---</b>	<b>0</b>	<b>---</b>	<b>---</b>	<b>0</b>	<b>---</b>
4170 wood in the rough	0	---	0	---	---	0	---
4189 lumber	0	---	0	---	---	0	---
<b>Subtotal sulphur, clay and salt</b>	<b>0</b>	<b>---</b>	<b>0</b>	<b>---</b>	<b>---</b>	<b>0</b>	<b>---</b>
4783 salt	0	---	0	---	---	0	---
<b>Total primary manufactured goods</b>	<b>0</b>	<b>---</b>	<b>0</b>	<b>---</b>	<b>---</b>	<b>0</b>	<b>---</b>
<b>Subtotal paper products</b>	<b>0</b>	<b>---</b>	<b>0</b>	<b>---</b>	<b>---</b>	<b>0</b>	<b>---</b>
5190 paper products nec	0	---	0	---	---	0	---
<b>Subtotal lime, cement and glass</b>	<b>0</b>	<b>---</b>	<b>0</b>	<b>---</b>	<b>---</b>	<b>0</b>	<b>---</b>
5290 misc. mineral prod.	0	---	0	---	---	0	---
<b>Subtotal primary non-ferrous metal products</b>	<b>0</b>	<b>---</b>	<b>0</b>	<b>---</b>	<b>---</b>	<b>0</b>	<b>---</b>
5480 fab. metal products	0	---	0	---	---	0	---
<b>Total food and farm products</b>	<b>4</b>	<b>---</b>	<b>4</b>	<b>---</b>	<b>---</b>	<b>4</b>	<b>---</b>
<b>Subtotal fish</b>	<b>2</b>	<b>---</b>	<b>2</b>	<b>---</b>	<b>---</b>	<b>2</b>	<b>---</b>
6134 fish (not shellfish)	2	---	2	---	---	2	---
<b>Subtotal other agricultural products</b>	<b>1</b>	<b>---</b>	<b>1</b>	<b>---</b>	<b>---</b>	<b>1</b>	<b>---</b>
6811 meat, fresh, frozen	1	---	1	---	---	1	---
6835 fish, prepared	0	---	0	---	---	0	---
6838 tallow, animal oils	0	---	0	---	---	0	---
6887 groceries	0	---	0	---	---	0	---
<b>Total all manufactured equipment, machinery and products</b>	<b>2</b>	<b>---</b>	<b>2</b>	<b>0</b>	<b>---</b>	<b>1</b>	<b>---</b>
7110 machinery (not elec)	0	---	0	---	---	0	---
7120 electrical machinery	0	---	0	---	---	0	---
7210 vehicles & parts	0	---	0	---	---	0	---
7400 manufac. wood prod.	0	---	0	---	---	0	---
7500 textile products	0	---	0	---	---	0	---
7600 rubber & plastic pr.	0	---	0	---	---	0	---
7900 manufac. prod. nec	1	---	1	0	---	1	---
<b>Total waste and scrap nec</b>	<b>2</b>	<b>---</b>	<b>2</b>	<b>---</b>	<b>---</b>	<b>2</b>	<b>---</b>
8900 waste and scrap nec	2	---	2	---	---	2	---
<b>Ton-miles (x1000)</b>	<b>61</b>	<b>0</b>	<b>61</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>61</b>

Tons All Traffic (x1000) 27,652  
Ton-miles All Traffic (x1000) 61  
Total Trip-ton-miles Internal and Intraport (x1000) 434

ANCHORAGE, AK

Section Included: Knik Arm from the Municipal Terminal on the north to and including terminal facilities on Ship Creek. Controlling Depth: 35 feet off the face of the City Dock; the approach channel north of Fire Island, to Point Woronzof, 28.5 feet. Project Depth: 35 feet. All depths refer to mlw.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
2007	2,633	2010	2,770	2013	2,949	<b>2016</b>	<b>3,215</b>
2008	2,405	2011	2,784	2014	2,864		
2009	2,193	2012	2,843	2015	3,541		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian Inbound	Domestic			
		Inbound	Outbound		Total	Coastwise		Internal Shipments
				Receipts		Shipments		
<b>Total, all commodities</b>	<b>3,215</b>	<b>930</b>	<b>5</b>	<b>7</b>	<b>2,272</b>	<b>2,000</b>	<b>245</b>	<b>26</b>
<b>Total petroleum and petroleum products</b>	<b>1,321</b>	<b>789</b>	<b>---</b>	<b>0</b>	<b>532</b>	<b>494</b>	<b>11</b>	<b>26</b>
<b>Subtotal petroleum products</b>	<b>1,321</b>	<b>789</b>	<b>---</b>	<b>0</b>	<b>532</b>	<b>494</b>	<b>11</b>	<b>26</b>
2211 gasoline	12	---	---	---	12	5	7	---
2221 kerosene	1,253	770	---	---	484	484	---	---
2330 distillate fuel oil	49	19	---	---	29	---	3	26
2340 residual fuel oil	0	---	---	---	0	0	---	---
2350 lube oil & greases	5	---	---	---	5	4	0	---
2640 hydrocarbon & petrol gases, liquefied and gaseous	0	---	---	0	0	0	0	---
2990 petro. products nec	2	---	---	---	2	2	1	---
<b>Total chemicals and related products</b>	<b>13</b>	<b>11</b>	<b>---</b>	<b>0</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>---</b>
<b>Subtotal fertilizers</b>	<b>0</b>	<b>---</b>	<b>---</b>	<b>0</b>	<b>0</b>	<b>---</b>	<b>0</b>	<b>---</b>
3110 nitrogenous fert.	0	---	---	0	0	---	0	---
3130 potassic fert.	0	---	---	0	---	---	---	---
3190 fert. & mixes nec	0	---	---	0	0	---	0	---

ANCHORAGE, AK  
Freight Traffic, 2016 - continued  
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic			
		Inbound	Outbound	Inbound	Total	Coastwise		Internal Shipments
						Receipts	Shipments	
<b>Subtotal other chemicals and related products</b>	<b>12</b>	<b>11</b>	<b>—</b>	<b>0</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>—</b>
3220 alcohols	11	11	—	0	0	—	0	—
3275 inorg. elem., oxides, & halogen salts	0	—	—	0	—	—	—	—
3276 metallic salts	0	—	—	—	0	—	0	—
3282 pigments & paints	0	—	—	—	0	0	0	—
3285 perfumes & cleansers	0	—	—	—	0	0	—	—
3286 plastics	0	—	—	—	0	—	0	—
3293 explosives	0	—	—	—	0	0	—	—
3299 chem. products nec	1	—	—	—	1	1	0	—
<b>Total crude materials, inedible except fuels</b>	<b>110</b>	<b>—</b>	<b>—</b>	<b>7</b>	<b>103</b>	<b>77</b>	<b>26</b>	<b>—</b>
<b>Subtotal forest products, wood and chips</b>	<b>80</b>	<b>—</b>	<b>—</b>	<b>0</b>	<b>80</b>	<b>72</b>	<b>8</b>	<b>—</b>
4170 wood in the rough	0	—	—	—	0	—	0	—
4189 lumber	80	—	—	0	80	72	8	—
4190 forest products nec	0	—	—	—	0	0	0	—
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>3</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>3</b>	<b>3</b>	<b>0</b>	<b>—</b>
4331 sand & gravel	0	—	—	—	0	—	0	—
4338 soil & fill dirt	3	—	—	—	3	3	—	—
<b>Subtotal iron ore and scrap</b>	<b>18</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>18</b>	<b>0</b>	<b>18</b>	<b>—</b>
4420 iron & steel scrap	18	—	—	—	18	0	18	—
<b>Subtotal sulphur, clay and salt</b>	<b>9</b>	<b>—</b>	<b>—</b>	<b>7</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>—</b>
4782 clay & refrac. mat.	1	—	—	—	1	1	0	—
4783 salt	7	—	—	7	1	0	0	—
<b>Subtotal other non-metal. min.</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>—</b>
4900 non-metal. min. nec	0	—	—	—	0	0	—	—
<b>Total primary manufactured goods</b>	<b>342</b>	<b>124</b>	<b>—</b>	<b>0</b>	<b>218</b>	<b>211</b>	<b>7</b>	<b>—</b>
<b>Subtotal paper products</b>	<b>8</b>	<b>—</b>	<b>—</b>	<b>0</b>	<b>8</b>	<b>8</b>	<b>0</b>	<b>—</b>
5110 newsprint	2	—	—	—	2	2	—	—
5120 paper & paperboard	0	—	—	0	—	—	—	—
5190 paper products nec	6	—	—	—	6	6	0	—
<b>Subtotal lime, cement and glass</b>	<b>147</b>	<b>122</b>	<b>—</b>	<b>—</b>	<b>26</b>	<b>25</b>	<b>1</b>	<b>—</b>
5220 cement & concrete	122	122	—	—	0	—	0	—
5240 glass & glass prod.	2	—	—	—	2	2	0	—
5290 misc. mineral prod.	24	—	—	—	24	23	1	—
<b>Subtotal primary iron and steel products</b>	<b>2</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>—</b>
5360 i&s bars & shapes	0	—	—	—	0	—	0	—
5370 i&s pipe & tube	1	—	—	—	1	1	0	—
<b>Subtotal primary non-ferrous metal products</b>	<b>165</b>	<b>3</b>	<b>—</b>	<b>—</b>	<b>162</b>	<b>156</b>	<b>6</b>	<b>—</b>
5480 fab. metal products	165	3	—	—	162	156	6	—
<b>Subtotal primary wood products</b>	<b>20</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>20</b>	<b>20</b>	<b>—</b>	<b>—</b>
5540 primarv wood prod.	20	—	—	—	20	20	—	—
<b>Total food and farm products</b>	<b>266</b>	<b>0</b>	<b>5</b>	<b>0</b>	<b>260</b>	<b>239</b>	<b>22</b>	<b>—</b>
<b>Subtotal fish</b>	<b>10</b>	<b>—</b>	<b>5</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>4</b>	<b>—</b>
6134 fish (not shellfish)	10	—	5	0	4	0	4	—
<b>Subtotal vegetable products</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>—</b>
6654 vegetables & prod.	0	—	—	—	0	0	0	—
<b>Subtotal processed grain and animal feed</b>	<b>2</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>—</b>
6746 wheat flour	1	—	—	—	1	1	—	—
6747 grain mill products	1	—	—	—	1	1	1	—
<b>Subtotal other agricultural products</b>	<b>254</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>254</b>	<b>237</b>	<b>17</b>	<b>—</b>
6811 meat, fresh, frozen	2	—	—	—	2	2	0	—
6822 dairy products	0	—	—	—	0	—	0	—
6839 animals & prod. nec	0	—	—	—	0	—	0	—
6856 bananas & plantains	4	—	—	—	4	4	—	—
6861 sugar	0	—	—	—	0	0	—	—
6885 alcoholic beverages	35	—	—	—	35	35	0	—
6887 groceries	100	—	—	—	100	94	6	—
6888 water & ice	0	0	—	—	—	—	—	—
6889 food products nec	112	—	—	—	112	101	11	—
6899 farm products nec	1	—	—	—	1	1	0	—
<b>Total all manufactured equipment, machinery and products</b>	<b>1,135</b>	<b>1</b>	<b>—</b>	<b>—</b>	<b>1,134</b>	<b>962</b>	<b>173</b>	<b>—</b>
7110 machinery (not elec)	21	0	—	—	21	7	13	—
7120 electrical machinery	3	—	—	—	3	2	1	—
7210 vehicles & parts	92	—	—	—	92	67	25	—
7220 aircraft & parts	0	—	—	—	0	0	0	—
7230 ships & boats	9	0	—	—	9	6	3	—
7400 manufac. wood prod.	55	—	—	—	55	15	40	—
7500 textile products	0	—	—	—	0	—	0	—
7600 rubber & plastic pr.	3	—	—	—	3	3	—	—
7900 manufac. prod. nec	951	0	—	—	951	861	89	—
<b>Total unknown or not elsewhere classified</b>	<b>29</b>	<b>6</b>	<b>—</b>	<b>—</b>	<b>23</b>	<b>17</b>	<b>6</b>	<b>—</b>
9900 unknown or nec	29	6	—	—	23	17	6	—



KODIAK HARBOR, AK

Section Included: Channel 200 feet wide between Near Island and Kodiak Island to the King Crab, Inc. Dock in St. Paul Harbor including the boat basin. Controlling Depth: about 25 feet in the channel and 12 feet in the boat basin; 30 feet in St. Paul Harbor.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
2007	154	2010	193	2013	345	<b>2016</b>	<b>272</b>
2008	107	2011	162	2014	314		
2009	131	2012	214	2015	298		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Foreign	Canadian	Domestic		
		Outbound	Outbound	Total	Coastwise	
					Receipts	Shipments
<b>Total, all commodities</b>	<b>272</b>	<b>44</b>	<b>25</b>	<b>202</b>	<b>138</b>	<b>64</b>
<b>Total petroleum and petroleum products</b>	<b>99</b>	<b>---</b>	<b>---</b>	<b>99</b>	<b>99</b>	<b>---</b>
<b>Subtotal petroleum products</b>	<b>99</b>	<b>---</b>	<b>---</b>	<b>99</b>	<b>99</b>	<b>---</b>
2211 gasoline	43	---	---	43	43	---
2221 kerosene	9	---	---	9	9	---
2330 distillate fuel oil	47	---	---	47	47	---
2350 lube oil & greases	0	---	---	0	0	---
2990 petro. products nec	0	---	---	0	0	---
<b>Total chemicals and related products</b>	<b>0</b>	<b>---</b>	<b>---</b>	<b>0</b>	<b>0</b>	<b>---</b>
<b>Subtotal other chemicals and related products</b>	<b>0</b>	<b>---</b>	<b>---</b>	<b>0</b>	<b>0</b>	<b>---</b>
3299 chem. products nec	0	---	---	0	0	---
<b>Total crude materials, inedible except fuels</b>	<b>52</b>	<b>24</b>	<b>25</b>	<b>3</b>	<b>2</b>	<b>2</b>
<b>Subtotal forest products, wood and chips</b>	<b>50</b>	<b>24</b>	<b>25</b>	<b>1</b>	<b>1</b>	<b>---</b>
4170 wood in the rough	49	24	25	---	---	---
4189 lumber	1	---	---	1	1	---
4190 forest products nec	0	---	---	0	0	---
<b>Subtotal pulp and waste paper</b>	<b>0</b>	<b>---</b>	<b>---</b>	<b>0</b>	<b>---</b>	<b>0</b>
4225 pulp & waste paper	0	---	---	0	---	0
<b>Subtotal iron ore and scrap</b>	<b>1</b>	<b>---</b>	<b>---</b>	<b>1</b>	<b>---</b>	<b>1</b>
4420 iron & steel scrap	1	---	---	1	---	1
<b>Subtotal sulphur, clay and salt</b>	<b>0</b>	<b>---</b>	<b>---</b>	<b>0</b>	<b>0</b>	<b>0</b>
4782 clay & refrac. mat.	0	---	---	0	0	0
4783 salt	0	---	---	0	0	---
<b>Total primary manufactured goods</b>	<b>1</b>	<b>---</b>	<b>---</b>	<b>1</b>	<b>1</b>	<b>0</b>
<b>Subtotal paper products</b>	<b>1</b>	<b>---</b>	<b>---</b>	<b>1</b>	<b>1</b>	<b>0</b>
5190 paper products nec	1	---	---	1	1	0
<b>Subtotal primary iron and steel products</b>	<b>0</b>	<b>---</b>	<b>---</b>	<b>0</b>	<b>0</b>	<b>---</b>
5370 i&s pipe & tube	0	---	---	0	0	---
<b>Subtotal primary non-ferrous metal products</b>	<b>0</b>	<b>---</b>	<b>---</b>	<b>0</b>	<b>0</b>	<b>0</b>
5480 fab. metal products	0	---	---	0	0	0
<b>Subtotal primary wood products</b>	<b>0</b>	<b>---</b>	<b>---</b>	<b>0</b>	<b>0</b>	<b>---</b>
5540 primary wood prod.	0	---	---	0	0	---
<b>Total food and farm products</b>	<b>84</b>	<b>20</b>	<b>---</b>	<b>63</b>	<b>7</b>	<b>56</b>
<b>Subtotal fish</b>	<b>37</b>	<b>20</b>	<b>---</b>	<b>16</b>	<b>0</b>	<b>16</b>
6134 fish (not shellfish)	37	20	---	16	0	16
<b>Subtotal vegetable products</b>	<b>0</b>	<b>---</b>	<b>---</b>	<b>0</b>	<b>0</b>	<b>---</b>
6654 vegetables & prod.	0	---	---	0	0	---
<b>Subtotal processed grain and animal feed</b>	<b>1</b>	<b>---</b>	<b>---</b>	<b>1</b>	<b>1</b>	<b>0</b>
6747 grain mill products	1	---	---	1	1	---
6782 animal feed, prep.	0	---	---	0	0	0
<b>Subtotal other agricultural products</b>	<b>47</b>	<b>---</b>	<b>---</b>	<b>47</b>	<b>7</b>	<b>40</b>
6811 meat, fresh, frozen	2	---	---	2	0	2
6822 dairy products	0	---	---	0	0	---
6885 alcoholic beverages	0	---	---	0	---	0
6887 groceries	0	---	---	0	0	---
6889 food products nec	44	---	---	44	6	38
6899 farm products nec	0	---	---	0	0	---
<b>Total all manufactured equipment, machinery and products</b>	<b>35</b>	<b>---</b>	<b>---</b>	<b>35</b>	<b>29</b>	<b>6</b>
7110 machinery (not elec)	5	---	---	5	2	2
7120 electrical machinery	0	---	---	0	0	0
7210 vehicles & parts	0	---	---	0	0	0
7400 manufac. wood prod.	3	---	---	3	2	1
7900 manufac. prod. nec	27	---	---	27	25	2
<b>Total unknown or not elsewhere classified</b>	<b>0</b>	<b>---</b>	<b>---</b>	<b>0</b>	<b>0</b>	<b>---</b>
9900 unknown or nec	0	---	---	0	0	---

UNALASKA ISLAND, ALASKA (INCLUDING DUTCH & ILIULIUK HARBORS)

Section Included: Entire harbor. Controlling Depth: 25 feet in entrance channel at mean lower low water. Project Depth: 25 feet at mean lower low water.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
2007	1,045	2010	1,040	2013	1,270	<b>2016</b>	<b>1,673</b>
2008	1,024	2011	1,321	2014	1,503		
2009	911	2012	1,389	2015	1,626		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic			Internal Intra Upbound
		Inbound	Outbound	Inbound	Total	Coastwise	Internal	
					Receipts	Shipments		
<b>Total, all commodities</b>	<b>1,673</b>	<b>233</b>	<b>844</b>	<b>153</b>	<b>442</b>	<b>239</b>	<b>202</b>	<b>1</b>
<b>Total petroleum and petroleum products</b>	<b>486</b>	<b>200</b>	<b>—</b>	<b>152</b>	<b>134</b>	<b>104</b>	<b>28</b>	<b>1</b>
<b>Subtotal petroleum products</b>	<b>486</b>	<b>200</b>	<b>—</b>	<b>152</b>	<b>134</b>	<b>104</b>	<b>28</b>	<b>1</b>
2211 gasoline	23	8	—	9	7	6	0	—
2221 kerosene	112	106	—	—	6	3	3	—
2330 distillate fuel oil	350	86	—	144	120	94	25	1
2640 hydrocarbon & petrol gases, liquefied and gaseous	0	—	—	—	0	0	0	—
2990 petro. products nec	1	—	—	—	1	1	0	—
<b>Total chemicals and related products</b>	<b>21</b>	<b>2</b>	<b>0</b>	<b>—</b>	<b>19</b>	<b>8</b>	<b>11</b>	<b>—</b>
<b>Subtotal fertilizers</b>	<b>2</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>—</b>
3110 nitrogenous fert.	1	—	—	—	1	1	—	—
3190 fert. & mixes nec	0	—	—	—	0	0	0	—
<b>Subtotal other chemicals and related products</b>	<b>20</b>	<b>2</b>	<b>0</b>	<b>—</b>	<b>17</b>	<b>6</b>	<b>11</b>	<b>—</b>
3220 alcohols	1	1	—	—	0	0	—	—
3250 organo - inorg. comp.	0	—	0	—	—	—	—	—
3276 metallic salts	1	0	—	—	1	1	—	—
3281 radioactive material	0	—	0	—	—	—	—	—
3282 pigments & paints	0	—	—	—	0	0	—	—
3286 plastics	0	0	—	—	0	0	0	—
3297 chemical additives	1	1	—	—	—	—	—	—
3299 chem. products nec	16	—	—	—	16	5	11	—
<b>Total crude materials, inedible except fuels</b>	<b>13</b>	<b>1</b>	<b>5</b>	<b>—</b>	<b>7</b>	<b>5</b>	<b>2</b>	<b>—</b>
<b>Subtotal forest products, wood and chips</b>	<b>6</b>	<b>0</b>	<b>5</b>	<b>—</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>—</b>
4150 fuel wood	4	—	4	—	—	—	—	—
4170 wood in the rough	0	—	—	—	0	0	—	—
4189 lumber	2	0	1	—	1	1	0	—
<b>Subtotal pulp and waste paper</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>0</b>	<b>—</b>
4225 pulp & waste paper	0	0	—	—	0	—	0	—
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>—</b>
4331 sand & gravel	0	—	—	—	0	0	—	—
<b>Subtotal iron ore and scrap</b>	<b>2</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>—</b>
4420 iron & steel scrap	2	0	—	—	2	0	1	—
<b>Subtotal sulphur, clay and salt</b>	<b>4</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>4</b>	<b>4</b>	<b>0</b>	<b>—</b>
4783 salt	4	—	—	—	4	4	0	—
<b>Subtotal slag</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
4860 slag	0	0	—	—	—	—	—	—
<b>Total primary manufactured goods</b>	<b>23</b>	<b>2</b>	<b>0</b>	<b>—</b>	<b>21</b>	<b>19</b>	<b>2</b>	<b>—</b>
<b>Subtotal paper products</b>	<b>17</b>	<b>2</b>	<b>—</b>	<b>—</b>	<b>14</b>	<b>13</b>	<b>1</b>	<b>—</b>
5120 paper & paperboard	0	0	—	—	—	—	—	—
5190 paper products nec	16	2	—	—	14	13	1	—
<b>Subtotal lime, cement and glass</b>	<b>1</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>—</b>
5220 cement & concrete	1	—	—	—	1	1	0	—
5240 glass & glass prod.	0	—	—	—	0	0	—	—
5290 misc. mineral prod.	1	—	—	—	1	1	0	—
<b>Subtotal primary iron and steel products</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>—</b>
5360 i&s bars & shapes	0	—	—	—	0	0	—	—
5370 i&s pipe & tube	0	—	—	—	0	0	—	—
<b>Subtotal primary non-ferrous metal products</b>	<b>5</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>5</b>	<b>5</b>	<b>0</b>	<b>—</b>
5480 fab. metal products	5	—	0	—	5	5	0	—
<b>Total food and farm products</b>	<b>1,014</b>	<b>10</b>	<b>798</b>	<b>—</b>	<b>207</b>	<b>67</b>	<b>140</b>	<b>—</b>
<b>Subtotal fish</b>	<b>749</b>	<b>2</b>	<b>612</b>	<b>—</b>	<b>135</b>	<b>19</b>	<b>116</b>	<b>—</b>
6134 fish (not shellfish)	731	0	605	—	126	19	107	—
6136 shellfish	18	2	7	—	9	—	9	—
<b>Subtotal vegetable products</b>	<b>3</b>	<b>—</b>	<b>2</b>	<b>—</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>—</b>
6653 vegetable oils	1	—	—	—	1	—	1	—
6654 vegetables & prod.	2	—	2	—	0	0	—	—
<b>Subtotal processed grain and animal feed</b>	<b>38</b>	<b>0</b>	<b>37</b>	<b>—</b>	<b>1</b>	<b>—</b>	<b>1</b>	<b>—</b>
6746 wheat flour	0	0	—	—	—	—	—	—
6782 animal feed, prep.	37	0	37	—	1	—	1	—
<b>Subtotal other agricultural products</b>	<b>225</b>	<b>7</b>	<b>148</b>	<b>—</b>	<b>70</b>	<b>48</b>	<b>23</b>	<b>—</b>
6811 meat, fresh, frozen	3	—	0	—	3	0	3	—
6817 meat, prepared	1	—	1	—	—	—	—	—
6822 dairy products	0	—	0	—	—	—	—	—
6835 fish, prepared	124	0	122	—	2	—	2	—
6838 tallow, animal oils	21	—	14	—	7	—	7	—
6839 animals & prod. nec	16	6	10	—	—	—	—	—

UNALASKA ISLAND, ALASKA (INCLUDING DUTCH & ILIULIUK HARBORS)  
 Freight Traffic, 2016 - continued  
 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic			
		Inbound	Outbound	Inbound	Total	Coastwise		Internal
					Receipts	Shipments	Intra Upbound	
6857 fruit & nuts nec	0	—	0	—	—	—	—	
6861 sugar	0	0	—	—	0	—	0	
6885 alcoholic beverages	0	—	—	—	0	0	—	
6887 groceries	6	—	—	—	6	5	1	
6889 food products nec	53	1	0	—	53	43	10	
6893 cotton	0	0	—	—	—	—	—	
6899 farm products nec	1	—	1	—	—	—	—	
<b>Total all manufactured equipment, machinery and products</b>	<b>82</b>	<b>7</b>	<b>20</b>	<b>—</b>	<b>54</b>	<b>36</b>	<b>18</b>	
7110 machinery (not elec)	22	0	5	—	17	7	10	
7120 electrical machinery	2	1	0	—	0	0	0	
7210 vehicles & parts	1	—	0	—	1	1	0	
7220 aircraft & parts	0	—	0	—	—	—	—	
7230 ships & boats	0	0	—	—	0	0	0	
7400 manufac. wood prod.	12	2	0	—	9	5	4	
7500 textile products	0	0	0	—	0	0	—	
7600 rubber & plastic pr.	2	2	1	—	—	—	—	
7900 manufac. prod. nec	43	2	13	—	28	23	5	
<b>Total waste and scrap nec</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>0</b>	<b>0</b>	<b>0</b>	
8900 waste and scrap nec	0	—	—	—	0	0	0	
<b>Total unknown or not elsewhere classified</b>	<b>33</b>	<b>11</b>	<b>21</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	
9900 unknown or nec	33	11	21	1	0	0	0	
<b>Ton-miles (x1000)</b>	<b>53,483</b>	<b>7,456</b>	<b>27,016</b>	<b>4,905</b>	<b>14,108</b>	<b>7,648</b>	<b>6,458</b>	

**Tons All Traffic (x1000)** 1,673  
**Ton-miles All Traffic (x1000)** 53,484  
**Total Trip-ton-miles Internal and Intraport (x1000)** 2

ILIULIUK HARBOR, UNALASKA

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
2007	532	2010	353	2013	546	<b>2016</b>	<b>577</b>
2008	623	2011	635	2014	739		
2009	548	2012	724	2015	608		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic		
		Inbound	Outbound	Inbound	Total	Coastwise	
					Receipts	Shipments	
<b>Total, all commodities</b>	<b>576</b>	<b>86</b>	<b>290</b>	<b>14</b>	<b>185</b>	<b>76</b>	<b>109</b>
<b>Total petroleum and petroleum products</b>	<b>155</b>	<b>77</b>	<b>—</b>	<b>14</b>	<b>63</b>	<b>47</b>	<b>16</b>
<b>Subtotal petroleum products</b>	<b>155</b>	<b>77</b>	<b>—</b>	<b>14</b>	<b>63</b>	<b>47</b>	<b>16</b>
2211 gasoline	8	—	—	3	6	5	0
2221 kerosene	10	5	—	—	5	1	3
2330 distillate fuel oil	136	72	—	11	52	40	12
2640 hydrocarbon & petrol gases, liquefied and gaseous	0	—	—	—	0	0	—
2990 petro. products nec	0	—	—	—	0	0	0
<b>Total chemicals and related products</b>	<b>8</b>	<b>1</b>	<b>0</b>	<b>—</b>	<b>7</b>	<b>2</b>	<b>4</b>
<b>Subtotal fertilizers</b>	<b>1</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>1</b>	<b>1</b>	<b>—</b>
3110 nitrogenous fert.	1	—	—	—	1	1	—
<b>Subtotal other chemicals and related products</b>	<b>7</b>	<b>1</b>	<b>0</b>	<b>—</b>	<b>5</b>	<b>1</b>	<b>4</b>
3220 alcohols	1	1	—	—	0	0	—
3276 metallic salts	1	—	—	—	1	1	—
3281 radioactive material	0	—	0	—	—	—	—
3282 pigments & paints	0	—	—	—	0	0	—
3286 plastics	0	0	—	—	0	0	—
3299 chem. products nec	4	—	—	—	4	—	4
<b>Total crude materials, inedible except fuels</b>	<b>10</b>	<b>0</b>	<b>5</b>	<b>—</b>	<b>5</b>	<b>5</b>	<b>1</b>
<b>Subtotal forest products, wood and chips</b>	<b>6</b>	<b>—</b>	<b>5</b>	<b>—</b>	<b>1</b>	<b>1</b>	<b>0</b>
4150 fuel wood	4	—	4	—	—	—	—
4170 wood in the rough	0	—	—	—	0	0	—
4189 lumber	2	—	1	—	1	1	0
<b>Subtotal pulp and waste paper</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>0</b>
4225 pulp & waste paper	0	—	—	—	0	—	0
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>0</b>	<b>0</b>	<b>—</b>
4331 sand & gravel	0	—	—	—	0	0	—
<b>Subtotal iron ore and scrap</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>0</b>
4420 iron & steel scrap	0	0	—	—	0	—	0
<b>Subtotal sulphur, clay and salt</b>	<b>4</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>4</b>	<b>4</b>	<b>0</b>
4783 salt	4	—	—	—	4	4	0
<b>Total primary manufactured goods</b>	<b>15</b>	<b>1</b>	<b>0</b>	<b>—</b>	<b>14</b>	<b>14</b>	<b>0</b>
<b>Subtotal paper products</b>	<b>9</b>	<b>1</b>	<b>—</b>	<b>—</b>	<b>9</b>	<b>9</b>	<b>0</b>
5120 paper & paperboard	0	0	—	—	—	—	—
5190 paper products nec	9	1	—	—	9	9	0
<b>Subtotal lime, cement and glass</b>	<b>1</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>1</b>	<b>1</b>	<b>0</b>
5220 cement & concrete	0	—	—	—	0	0	—

ILIULIUK HARBOR, UNALASKA  
 Freight Traffic, 2016 - continued  
 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic		
		Inbound	Outbound	Inbound	Total	Coastwise	
						Receipts	Shipments
5240 glass & glass prod.	0	—	—	—	0	0	—
5290 misc. mineral prod.	1	—	—	—	1	1	0
<b>Subtotal primary iron and steel products</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>0</b>	<b>0</b>	<b>—</b>
5360 i&s bars & shapes	0	—	—	—	0	0	—
5370 i&s pipe & tube	0	—	—	—	0	0	—
<b>Subtotal primary non-ferrous metal products</b>	<b>4</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>4</b>	<b>4</b>	<b>0</b>
5480 fab. metal products	4	—	0	—	4	4	0
<b>Total food and farm products</b>	<b>340</b>	<b>7</b>	<b>246</b>	<b>—</b>	<b>88</b>	<b>0</b>	<b>87</b>
<b>Subtotal fish</b>	<b>212</b>	<b>1</b>	<b>133</b>	<b>—</b>	<b>77</b>	<b>—</b>	<b>77</b>
6134 fish (not shellfish)	199	0	130	—	68	—	68
6136 shellfish	13	1	3	—	9	—	9
<b>Subtotal vegetable products</b>	<b>3</b>	<b>—</b>	<b>2</b>	<b>—</b>	<b>1</b>	<b>—</b>	<b>1</b>
6653 vegetable oils	1	—	—	—	1	—	1
6654 vegetables & prod.	2	—	2	—	—	—	—
<b>Subtotal processed grain and animal feed</b>	<b>12</b>	<b>0</b>	<b>11</b>	<b>—</b>	<b>1</b>	<b>—</b>	<b>1</b>
6746 wheat flour	0	0	—	—	—	—	—
6782 animal feed, prep.	11	0	11	—	1	—	1
<b>Subtotal other agricultural products</b>	<b>115</b>	<b>5</b>	<b>101</b>	<b>—</b>	<b>8</b>	<b>0</b>	<b>8</b>
6822 dairy products	0	—	0	—	—	—	—
6835 fish, prepared	96	—	94	—	2	—	2
6838 tallow, animal oils	8	—	1	—	7	—	7
6839 animals & prod. nec	9	5	4	—	—	—	—
6857 fruit & nuts nec	0	—	0	—	—	—	—
6887 groceries	0	—	—	—	0	0	—
6889 food products nec	1	0	0	—	—	—	—
6899 farm products nec	1	—	1	—	—	—	—
<b>Total all manufactured equipment, machinery and products</b>	<b>29</b>	<b>0</b>	<b>20</b>	<b>—</b>	<b>9</b>	<b>7</b>	<b>1</b>
7110 machinery (not elec)	6	—	5	—	2	1	1
7120 electrical machinery	0	0	0	—	0	0	—
7210 vehicles & parts	0	—	0	—	0	0	0
7220 aircraft & parts	0	—	0	—	—	—	—
7230 ships & boats	0	0	—	—	0	0	0
7400 manufac. wood prod.	3	—	0	—	3	3	0
7500 textile products	0	—	0	—	0	0	—
7600 rubber & plastic pr.	1	—	1	—	—	—	—
7900 manufac. prod. nec	17	0	13	—	4	3	1
<b>Total unknown or not elsewhere classified</b>	<b>18</b>	<b>0</b>	<b>18</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
9900 unknown or nec	18	0	18	—	—	—	—

Other Harbors and Waterways 2016

Harbor or Waterway Project	Commodity	Thousand Short Tons	
ATKA ISLAND, AK	4783 salt	0	
	5190 paper products nec	0	
	5480 fab. metal products	0	
	6134 fish (not shellfish)	6	
	7900 manufac. prod. nec	0	
	<b>Total Tons(x1000)</b>	<b>6</b>	
BETHEL HARBOR, AK	2211 gasoline	4	
	2221 kerosene	16	
	2330 distillate fuel oil	8	
	2640 hydrocarbon & petrol gases, liquefied and gaseous	0	
	2990 petro. products nec	0	
	3110 nitrogenous fert.	0	
	3220 alcohols	0	
	3276 metallic salts	0	
	3282 pigments & paints	0	
	3286 plastics	0	
	3299 chem. products nec	0	
	4170 wood in the rough	0	
	4189 lumber	1	
	4190 forest products nec	0	
	4331 sand & gravel	0	
	4420 iron & steel scrap	0	
	4783 salt	0	
	5190 paper products nec	0	
	5220 cement & concrete	0	
	5240 glass & glass prod.	0	
	5290 misc. mineral prod.	1	
	5360 i&s bars & shapes	0	
	5370 i&s pipe & tube	0	
	5480 fab. metal products	2	
	6887 groceries	1	
	7110 machinery (not elec)	0	
	7120 electrical machinery	0	
	7210 vehicles & parts	1	
	7230 ships & boats	0	
	7400 manufac. wood prod.	1	
	7500 textile products	0	
	7900 manufac. prod. nec	0	
		<b>Total Tons(x1000)</b>	<b>38</b>
	CORDOVA HARBOR, AK	2211 gasoline	5
		2221 kerosene	5
2330 distillate fuel oil		8	
2640 hydrocarbon & petrol gases, liquefied and gaseous		0	
2990 petro. products nec		0	
3260 organic comp. nec		0	
3276 metallic salts		0	
3282 pigments & paints		0	
3286 plastics		0	
3299 chem. products nec		0	
4150 fuel wood		0	
4170 wood in the rough		0	
4189 lumber		0	
4783 salt		0	
5120 paper & paperboard		0	
5190 paper products nec		1	
5240 glass & glass prod.		0	
5290 misc. mineral prod.		0	
5370 i&s pipe & tube		0	
5480 fab. metal products		2	
6134 fish (not shellfish)		12	
6782 animal feed, prep.		0	
6811 meat, fresh, frozen		0	
6835 fish, prepared		3	
6838 tallow, animal oils		0	
6887 groceries		3	
6889 food products nec		0	
6899 farm products nec		0	
7110 machinery (not elec)		1	
7120 electrical machinery		0	
7210 vehicles & parts		0	
7230 ships & boats		0	
7400 manufac. wood prod.		2	
7500 textile products		0	
7600 rubber & plastic pr.		0	
7900 manufac. prod. nec	2		
8900 waste and scrap nec	1		
	<b>Total Tons(x1000)</b>	<b>49</b>	
CRAIG HARBOR, AK	2211 gasoline	41	
	2221 kerosene	1	
	2330 distillate fuel oil	31	
	2990 petro. products nec	7	
	<b>Total Tons(x1000)</b>	<b>80</b>	

Other Harbors and Waterways 2016 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
DILLINGHAM HARBOR, AK	2211 gasoline	3
	2221 kerosene	1
	2330 distillate fuel oil	5
	2640 hydrocarbon & petrol gases, liquefied and gaseous	0
	2990 petro. products nec	0
	3110 nitrogenous fert.	0
	3220 alcohols	0
	3276 metallic salts	0
	3282 pigments & paints	0
	3286 plastics	0
	4170 wood in the rough	0
	4189 lumber	1
	4190 forest products nec	0
	4331 sand & gravel	0
	4420 iron & steel scrap	0
	4783 salt	0
	5190 paper products nec	0
	5220 cement & concrete	0
	5240 glass & glass prod.	0
	5290 misc. mineral prod.	0
	5360 i&s bars & shapes	0
	5370 i&s pipe & tube	0
	5480 fab. metal products	1
	6134 fish (not shellfish)	7
	6782 animal feed, prep.	0
	6835 fish, prepared	2
	6838 tallow, animal oils	0
	6885 alcoholic beverages	0
	6887 groceries	0
	7110 machinery (not elec)	0
	7120 electrical machinery	0
	7210 vehicles & parts	0
	7230 ships & boats	0
7400 manufac. wood prod.	0	
7500 textile products	0	
7900 manufac. prod. nec	1	
	<b>Total Tons(x1000)</b>	<b>25</b>
DOUGLAS HARBOR, AK	7110 machinery (not elec)	0
	<b>Total Tons(x1000)</b>	<b>0</b>
DRY PASS, AK EGEGIK RIVER, AK	No Commerce Reported	
	2211 gasoline	3
	2221 kerosene	7
	2330 distillate fuel oil	4
	2640 hydrocarbon & petrol gases, liquefied and gaseous	0
	7900 manufac. prod. nec	0
	<b>Total Tons(x1000)</b>	<b>14</b>
Project ELFIN COVE HARBOR, AK GASTINEAU CHANNEL, AK HOMER, AK	No Commerce Reported	
	No Commerce Reported	
	2211 gasoline	37
	2221 kerosene	4
	2330 distillate fuel oil	100
	2429 naphtha & solvents	85
	7900 manufac. prod. nec	7
	<b>Total Tons(x1000)</b>	<b>233</b>
HOONAH HARBOR, AK	2211 gasoline	0
	2350 lube oil & greases	0
	2640 hydrocarbon & petrol gases, liquefied and gaseous	0
	2990 petro. products nec	2
	3260 organic comp. nec	0
	3282 pigments & paints	0
	3285 perfumes & cleansers	0
	3299 chem. products nec	0
	4170 wood in the rough	0
	4190 forest products nec	0
	4783 salt	0
	5190 paper products nec	0
	5220 cement & concrete	0
5240 glass & glass prod.	0	
5290 misc. mineral prod.	0	
5370 i&s pipe & tube	0	

Other Harbors and Waterways 2016 - continued

Harbor or Waterway	Commodity	Thousand Short Tons
	5480 fab. metal products	0
	5540 primary wood prod.	0
	6134 fish (not shellfish)	1
	6835 fish, prepared	0
	6885 alcoholic beverages	0
	6887 groceries	1
	7110 machinery (not elec)	1
	7120 electrical machinery	0
	7210 vehicles & parts	0
	7230 ships & boats	0
	7400 manufac. wood prod.	1
	7500 textile products	0
	7600 rubber & plastic pr.	0
	7900 manufac. prod. nec	1
	<b>Total Tons(x1000)</b>	<b>8</b>
HUMBOLDT HARBOR, AK	2211 gasoline	1
	2221 kerosene	1
	2330 distillate fuel oil	8
	2640 hydrocarbon & petrol gases, liquefied and gaseous	0
	4783 salt	1
	5190 paper products nec	1
	5480 fab. metal products	1
	6134 fish (not shellfish)	2
	7900 manufac. prod. nec	1
	<b>Total Tons(x1000)</b>	<b>15</b>
KAKE HARBOR, AK	2211 gasoline	0
	2350 lube oil & greases	0
	2429 naphtha & solvents	0
	2430 asphalt, tar & pitch	0
	2640 hydrocarbon & petrol gases, liquefied and gaseous	0
	2990 petro. products nec	1
	3110 nitrogenous fert.	0
	3260 organic comp. nec	0
	3282 pigments & paints	0
	3285 perfumes & cleansers	0
	3293 explosives	0
	3299 chem. products nec	0
KAKE HARBOR, AK - continued	4150 fuel wood	0
	4170 wood in the rough	0
	4189 lumber	0
	4190 forest products nec	0
	4331 sand & gravel	0
	4783 salt	0
	5190 paper products nec	0
	5220 cement & concrete	1
	5240 glass & glass prod.	0
	5290 misc. mineral prod.	0
	5360 i&s bars & shapes	0
	5370 i&s pipe & tube	0
	5480 fab. metal products	1
	5540 primary wood prod.	0
	6134 fish (not shellfish)	0
	6747 grain mill products	0
	6782 animal feed, prep.	0
	6885 alcoholic beverages	0
	6887 groceries	4
	6889 food products nec	0
	6899 farm products nec	0
	7110 machinery (not elec)	1
	7120 electrical machinery	0
	7210 vehicles & parts	0
	7230 ships & boats	0
	7300 ordnance & access.	0
	7400 manufac. wood prod.	2
	7500 textile products	0
	7600 rubber & plastic pr.	0
	7900 manufac. prod. nec	2
	9900 unknown or nec	2
	<b>Total Tons(x1000)</b>	<b>18</b>
KING COVE LAGOON, AK	2211 gasoline	1
	2330 distillate fuel oil	32
	4783 salt	1
	5190 paper products nec	1
	5480 fab. metal products	1
	6134 fish (not shellfish)	8
	7900 manufac. prod. nec	1
	<b>Total Tons(x1000)</b>	<b>44</b>
KUSKOKWIM RIVER, AK	2211 gasoline	5
	2221 kerosene	19
	2330 distillate fuel oil	13
	2640 hydrocarbon & petrol gases, liquefied and gaseous	0
	2990 petro. products nec	0
	3110 nitrogenous fert.	0
	3220 alcohols	0
	3276 metallic salts	0

## Other Harbors and Waterways 2016 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
	3282 pigments & paints	0
	3286 plastics	0
	3299 chem. products nec	0
	4170 wood in the rough	0
	4189 lumber	1
	4190 forest products nec	0
	4331 sand & gravel	0
	4420 iron & steel scrap	0
	4783 salt	0
	5190 paper products nec	0
	5220 cement & concrete	0
	5240 glass & glass prod.	0
	5290 misc. mineral prod.	1
	5360 i&s bars & shapes	0
	5370 i&s pipe & tube	0
	5480 fab. metal products	2
	6887 groceries	1
	7110 machinery (not elec)	0
	7120 electrical machinery	0
	7210 vehicles & parts	1
	7230 ships & boats	0
	7400 manufac. wood prod.	1
	7500 textile products	0
KUSKOKWIM RIVER, AK - continued	7900 manufac. prod. nec	0
	<b>Total Tons(x1000)</b>	<b>46</b>
	<b>Total Ton-miles(x1000)</b>	<b>2,468</b>
	<b>Total Trip-ton-miles Internal and Intraport (x1000)</b>	<b>719</b>
METLAKATLA HARBOR, AK	2990 petro. products nec	1
	4170 wood in the rough	0
	5480 fab. metal products	0
	6134 fish (not shellfish)	0
	7400 manufac. wood prod.	0
	7900 manufac. prod. nec	0
	9900 unknown or nec	4
	<b>Total Tons(x1000)</b>	<b>5</b>
NAKNEK RIVER, AK	2211 gasoline	3
	2221 kerosene	0
	2330 distillate fuel oil	8
	2640 hydrocarbon & petrol gases, liquefied and gaseous	0
	2990 petro. products nec	0
	3110 nitrogenous fert.	0
	3220 alcohols	0
	3276 metallic salts	0
	3282 pigments & paints	0
	3286 plastics	0
	3299 chem. products nec	0
	4170 wood in the rough	0
	4189 lumber	1
	4190 forest products nec	0
	4225 pulp & waste paper	0
	4331 sand & gravel	0
	4420 iron & steel scrap	0
	4783 salt	0
	5190 paper products nec	2
	5220 cement & concrete	0
	5240 glass & glass prod.	0
	5290 misc. mineral prod.	0
	5360 i&s bars & shapes	0
	5370 i&s pipe & tube	0
	5480 fab. metal products	5
	6134 fish (not shellfish)	20
	6782 animal feed, prep.	2
	6835 fish, prepared	16
	6838 tallow, animal oils	0
	6885 alcoholic beverages	0
	6887 groceries	1
	7110 machinery (not elec)	1
	7120 electrical machinery	0
	7210 vehicles & parts	0
	7230 ships & boats	1
	7400 manufac. wood prod.	2
	7500 textile products	0
	7900 manufac. prod. nec	3
	8900 waste and scrap nec	0
	<b>Total Tons(x1000)</b>	<b>69</b>
	<b>Total Ton-miles(x1000)</b>	<b>113</b>
	<b>Total Trip-ton-miles Internal and Intraport (x1000)</b>	<b>1,791</b>
NINILCHIK HARBOR, AK	No Commerce Reported	
NOME, AK	2211 gasoline	61
	2221 kerosene	18
	2330 distillate fuel oil	24
	2350 lube oil & greases	13
	2640 hydrocarbon & petrol gases, liquefied and gaseous	0



Other Harbors and Waterways 2016 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons	
NOME, AK - continued	2990 petro. products nec	0	
	3110 nitrogenous fert.	0	
	3220 alcohols	0	
	3276 metallic salts	0	
	3282 pigments & paints	0	
	3286 plastics	0	
	3299 chem. products nec	0	
	4170 wood in the rough	0	
	4189 lumber	1	
	4190 forest products nec	0	
	4331 sand & gravel	0	
	4420 iron & steel scrap	0	
	4783 salt	0	
	5190 paper products nec	0	
	5220 cement & concrete	0	
	5240 glass & glass prod.	0	
	5290 misc. mineral prod.	0	
	5360 i&s bars & shapes	0	
	5370 i&s pipe & tube	0	
	5480 fab. metal products	1	
	6134 fish (not shellfish)	0	
	6817 meat, prepared	0	
	6885 alcoholic beverages	0	
	6887 groceries	0	
	7110 machinery (not elec)	1	
	7120 electrical machinery	7	
	7210 vehicles & parts	1	
	7230 ships & boats	0	
	7400 manufac. wood prod.	0	
	7500 textile products	0	
	7900 manufac. prod. nec	0	
	9900 unknown or nec	6	
		<b>Total Tons(x1000)</b>	<b>135</b>
	OLD HARBOR, AK	2211 gasoline	1
		2221 kerosene	1
		2330 distillate fuel oil	3
		4189 lumber	0
		5290 misc. mineral prod.	0
7110 machinery (not elec)		0	
7210 vehicles & parts		0	
7400 manufac. wood prod.	0		
	<b>Total Tons(x1000)</b>	<b>5</b>	
PELICAN HARBOR, AK	2990 petro. products nec	1	
	<b>Total Tons(x1000)</b>	<b>1</b>	
PORT ALEXANDER, AK	No Commerce Reported		
SELDOVIA HARBOR, AK	2211 gasoline	1	
	2221 kerosene	0	
	<b>Total Tons(x1000)</b>	<b>1</b>	
SERGIUS AND WHITESTONE NARROWS, AK	2211 gasoline	0	
	2350 lube oil & greases	1	
	2429 naphtha & solvents	0	
	2430 asphalt, tar & pitch	0	
	2540 petroleum coke	0	
	2640 hydrocarbon & petrol gases, liquefied and gaseous	1	
	2990 petro. products nec	15	
	3110 nitrogenous fert.	0	
	3260 organic comp. nec	0	
	3282 pigments & paints	0	
	3285 perfumes & cleansers	0	
	3286 plastics	0	
	3293 explosives	0	
	3299 chem. products nec	0	
	4150 fuel wood	0	
	4161 wood chips	0	
	4170 wood in the rough	2	
	4189 lumber	0	
	4190 forest products nec	0	
	4225 pulp & waste paper	0	
	4331 sand & gravel	0	
	4338 soil & fill dirt	0	
	4630 copper ore	13	
	4690 non-ferrous ores nec	36	
	4783 salt	2	
	5110 newsprint	0	
	5120 paper & paperboard	0	
	5190 paper products nec	1	
	5220 cement & concrete	2	
	5240 glass & glass prod.	0	
	5290 misc. mineral prod.	1	
5360 i&s bars & shapes	0		
5370 i&s pipe & tube	0		
5429 smelted prod. nec	0		
5480 fab. metal products	3		

## Other Harbors and Waterways 2016 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
SERGIUS AND WHITESTONE NARROWS, AK - continued	5540 primary wood prod.	1
	6134 fish (not shellfish)	18
	6136 shellfish	0
	6747 grain mill products	0
	6782 animal feed, prep.	1
	6811 meat, fresh, frozen	4
	6835 fish, prepared	2
	6885 alcoholic beverages	3
	6887 groceries	14
	6888 water & ice	0
	6889 food products nec	2
	6899 farm products nec	0
	7110 machinery (not elec)	2
	7120 electrical machinery	1
	7210 vehicles & parts	2
	7230 ships & boats	0
	7300 ordnance & access.	0
	7400 manufac. wood prod.	6
	7500 textile products	1
	7600 rubber & plastic pr.	0
	7900 manufac. prod. nec	8
	8900 waste and scrap nec	8
	9900 unknown or nec	10
	<b>Total Tons(x1000)</b>	<b>160</b>
	<b>Total Ton-miles(x1000)</b>	<b>4,309</b>
	<b>Total Trip-ton-miles Internal and Intraport (x1000)</b>	<b>16,467</b>
SEWARD HARBOR, AK	1100 coal & lignite	72
	2211 gasoline	6
	2330 distillate fuel oil	60
	<b>Total Tons(x1000)</b>	<b>137</b>
SITKA HARBOR, AK	2211 gasoline	3
	2221 kerosene	8
	2330 distillate fuel oil	5
	2350 lube oil & greases	0
	2429 naphtha & solvents	0
	2430 asphalt, tar & pitch	0
	2540 petroleum coke	0
	2640 hydrocarbon & petrol gases, liquefied and gaseous	1
	2990 petro. products nec	11
	3110 nitrogenous fert.	0
	3260 organic comp. nec	0
	3282 pigments & paints	0
	3285 perfumes & cleansers	0
	3286 plastics	0
	3293 explosives	0
	3299 chem. products nec	0
	4150 fuel wood	0
	4161 wood chips	0
	4170 wood in the rough	2
	4189 lumber	0
	4190 forest products nec	0
	4225 pulp & waste paper	0
	4331 sand & gravel	7
	4338 soil & fill dirt	0
	4783 salt	1
	5110 newsprint	0
	5120 paper & paperboard	0
	5190 paper products nec	1
	5220 cement & concrete	2
	5240 glass & glass prod.	0
	5290 misc. mineral prod.	1
	5360 i&s bars & shapes	0
	5370 i&s pipe & tube	0
	5480 fab. metal products	3
	5540 primary wood prod.	1
	6134 fish (not shellfish)	18
	6136 shellfish	0
	6747 grain mill products	0
	6782 animal feed, prep.	1
	6811 meat, fresh, frozen	4
	6835 fish, prepared	2
	6885 alcoholic beverages	2
	6887 groceries	13
	6888 water & ice	0
	6889 food products nec	2
	6899 farm products nec	0
	7110 machinery (not elec)	2
7120 electrical machinery	1	
7210 vehicles & parts	2	
7230 ships & boats	0	
7300 ordnance & access.	0	
7400 manufac. wood prod.	5	
7500 textile products	1	
7600 rubber & plastic pr.	0	

Other Harbors and Waterways 2016 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
SITKA HARBOR, AK - continued	7900 manufac. prod. nec	7
	8900 waste and scrap nec	7
	9900 unknown or nec	10
	<b>Total Tons(x1000)</b>	<b>121</b>
SKAGWAY HARBOR, AK	2211 gasoline	22
	2221 kerosene	6
	2330 distillate fuel oil	44
	2350 lube oil & greases	0
	2429 naphtha & solvents	0
	2430 asphalt, tar & pitch	0
	2540 petroleum coke	0
	2640 hydrocarbon & petrol gases, liquefied and gaseous	1
	2990 petro. products nec	3
	3260 organic comp. nec	0
	3282 pigments & paints	0
	3285 perfumes & cleansers	0
	3293 explosives	2
	3299 chem. products nec	1
	4150 fuel wood	0
	4170 wood in the rough	1
	4189 lumber	0
	4190 forest products nec	1
	4225 pulp & waste paper	0
	4331 sand & gravel	1
	4338 soil & fill dirt	1
	4410 iron ore	0
	4420 iron & steel scrap	0
	4630 copper ore	27
	4783 salt	6
	5110 newsprint	0
	5120 paper & paperboard	1
	5190 paper products nec	0
	5210 lime	2
	5220 cement & concrete	29
	5240 glass & glass prod.	1
	5290 misc. mineral prod.	2
	5360 i&s bars & shapes	0
	5370 i&s pipe & tube	0
	5480 fab. metal products	6
	5540 primary wood prod.	0
	6134 fish (not shellfish)	0
	6136 shellfish	0
	6781 hay & fodder	0
	6782 animal feed, prep.	0
	6885 alcoholic beverages	34
	6887 groceries	10
	6888 water & ice	0
	6889 food products nec	13
	6899 farm products nec	0
	7110 machinery (not elec)	4
	7120 electrical machinery	0
	7210 vehicles & parts	2
	7230 ships & boats	0
	7400 manufac. wood prod.	6
	7500 textile products	0
	7600 rubber & plastic pr.	0
	7900 manufac. prod. nec	9
8900 waste and scrap nec	0	
9900 unknown or nec	0	
<b>Total Tons(x1000)</b>	<b>241</b>	
STIKINE RIVER, AK	No Commerce Reported	
VALDEZ HARBOR (SMALL BOAT HARBOR), AK	2211 gasoline	0
	2221 kerosene	0
	2330 distillate fuel oil	0
<b>Total Tons(x1000)</b>	<b>0</b>	
WRANGELL HARBOR, AK	2211 gasoline	0
	2990 petro. products nec	3
	3260 organic comp. nec	0
	3282 pigments & paints	0
	3293 explosives	0
	3299 chem. products nec	0
	4170 wood in the rough	1
	4190 forest products nec	0
	4338 soil & fill dirt	0
	4410 iron ore	1
	5120 paper & paperboard	0
	5190 paper products nec	0
	5220 cement & concrete	0
	5240 glass & glass prod.	0
	5290 misc. mineral prod.	0
	5480 fab. metal products	0
6134 fish (not shellfish)	11	
6136 shellfish	0	

## Other Harbors and Waterways 2016 - continued

Harbor or Waterway	Commodity	Thousand Short Tons
Project		
WRANGELL HARBOR, AK - continued	6747 grain mill products	0
	6782 animal feed, prep.	0
	6811 meat, fresh, frozen	0
	6835 fish, prepared	1
	6838 tallow, animal oils	0
	6885 alcoholic beverages	1
	6887 groceries	0
	7110 machinery (not elec)	0
	7120 electrical machinery	0
	7210 vehicles & parts	0
	7230 ships & boats	0
	7400 manufac. wood prod.	0
	7500 textile products	0
	7600 rubber & plastic pr.	0
	7900 manufac. prod. nec	0
	8900 waste and scrap nec	1
	9900 unknown or nec	4
	<b>Total Tons(x1000)</b>	<b>25</b>
Non-project		
CHATHAM STRAIT, AK	2100 crude petroleum	0
	2211 gasoline	27
	2221 kerosene	41
	2330 distillate fuel oil	72
	2350 lube oil & greases	2
	2429 naphtha & solvents	0
	2430 asphalt, tar & pitch	0
	2540 petroleum coke	1
	2640 hydrocarbon & petrol gases, liquefied and gaseous	2
	2990 petro. products nec	24
	3110 nitrogenous fert.	2
	3220 alcohols	0
	3240 nitrogen func. comp.	0
	3260 organic comp. nec	1
	3276 metallic salts	2
	3282 pigments & paints	1
	3285 perfumes & cleansers	0
	3286 plastics	2
	3293 explosives	3
	3299 chem. products nec	37
	4150 fuel wood	0
	4161 wood chips	0
	4170 wood in the rough	5
	4189 lumber	9
	4190 forest products nec	0
	4225 pulp & waste paper	0
	4331 sand & gravel	16
	4338 soil & fill dirt	1
	4410 iron ore	6
	4420 iron & steel scrap	9
	4630 copper ore	17
	4690 non-ferrous ores nec	48
	4782 clay & refrac. mat.	0
	4783 salt	8
	5110 newsprint	1
	5120 paper & paperboard	0
	5190 paper products nec	11
	5210 lime	3
	5220 cement & concrete	101
	5240 glass & glass prod.	3
	5290 misc. mineral prod.	22
	5360 i&s bars & shapes	2
	5370 i&s pipe & tube	3
	5390 primary i&s nec	0
	5429 smelted prod. nec	0
	5480 fab. metal products	36
	5540 primary wood prod.	3
	6134 fish (not shellfish)	93
	6136 shellfish	9
	6590 oilseeds nec	0
	6653 vegetable oils	1
	6654 vegetables & prod.	0
	6747 grain mill products	6
	6781 hay & fodder	2
	6782 animal feed, prep.	5
	6811 meat, fresh, frozen	4
	6835 fish, prepared	23
	6838 tallow, animal oils	7
	6885 alcoholic beverages	16
	6887 groceries	32
	6888 water & ice	0
	6889 food products nec	32
	6899 farm products nec	2
	7110 machinery (not elec)	12
	7120 electrical machinery	1
	7210 vehicles & parts	10
	7230 ships & boats	1
	7300 ordnance & access.	0

Other Harbors and Waterways 2016 - continued

Harbor or Waterway	Commodity	Thousand Short Tons
Non-project		
CHATHAM STRAIT, AK - continued	7400 manufac. wood prod.	19
	7500 textile products	2
	7600 rubber & plastic pr.	2
	7900 manufac. prod. nec	159
	8900 waste and scrap nec	9
	9900 unknown or nec	12
	<b>Total Tons(x1000)</b>	<b>979</b>
	<b>Total Ton-miles(x1000)</b>	<b>87,071</b>
	<b>Total Trip-ton-miles Internal and Intraport (x1000)</b>	<b>95,735</b>
CLARENCE STRAIT, AK	2100 crude petroleum	0
	2211 gasoline	11
	2221 kerosene	6
	2330 distillate fuel oil	21
	2340 residual fuel oil	0
	2350 lube oil & greases	2
	2429 naphtha & solvents	0
	2430 asphalt, tar & pitch	0
	2540 petroleum coke	1
	2640 hydrocarbon & petrol gases, liquefied and gaseous	9
	2990 petro. products nec	65
	3110 nitrogenous fert.	2
	3220 alcohols	0
	3240 nitrogen func. comp.	0
	3260 organic comp. nec	5
	3276 metallic salts	2
	3282 pigments & paints	1
	3284 medicines	0
	3285 perfumes & cleansers	0
	3286 plastics	2
	3293 explosives	1
	3297 chemical additives	0
	3299 chem. products nec	38
	4150 fuel wood	1
	4161 wood chips	0
	4170 wood in the rough	197
	4189 lumber	12
	4190 forest products nec	4
	4225 pulp & waste paper	1
	4310 building stone	0
	4331 sand & gravel	11
	4338 soil & fill dirt	5
	4410 iron ore	57
	4420 iron & steel scrap	9
	4782 clay & refrac. mat.	0
	4783 salt	10
	5110 newsprint	2
	5120 paper & paperboard	10
	5190 paper products nec	13
	5210 lime	3
	5220 cement & concrete	87
	5240 glass & glass prod.	12
	5290 misc. mineral prod.	40
	5360 i&s bars & shapes	2
	5370 i&s pipe & tube	4
	5390 primary i&s nec	0
	5421 copper	0
	5480 fab. metal products	52
	5540 primary wood prod.	5
	6134 fish (not shellfish)	119
	6136 shellfish	11
	6590 oilseeds nec	0
	6653 vegetable oils	1
	6654 vegetables & prod.	0
	6747 grain mill products	7
	6781 hay & fodder	2
	6782 animal feed, prep.	7
	6811 meat, fresh, frozen	5
	6835 fish, prepared	26
	6838 tallow, animal oils	7
	6885 alcoholic beverages	81
	6887 groceries	95
	6888 water & ice	0
	6889 food products nec	55
	6899 farm products nec	2
	7110 machinery (not elec)	27
	7120 electrical machinery	4
	7210 vehicles & parts	22
	7220 aircraft & parts	0
	7230 ships & boats	2
	7300 ordnance & access.	0
	7400 manufac. wood prod.	39
	7500 textile products	5
	7600 rubber & plastic pr.	3
	7900 manufac. prod. nec	220

Harbor or Waterway	Commodity	Thousand Short Tons	
CLARENCE STRAIT, AK - continued	8900 waste and scrap nec	32	
	9900 unknown or nec	71	
	<b>Total Tons(x1000)</b>	<b>1,542</b>	
	<b>Total Ton-miles(x1000)</b>	<b>118,409</b>	
	<b>Total Trip-ton-miles Internal and Intraport (x1000)</b>	<b>585,433</b>	
FREDERICK SOUND, AK	2211 gasoline	16	
	2221 kerosene	29	
	2330 distillate fuel oil	36	
	2340 residual fuel oil	0	
	2350 lube oil & greases	2	
	2429 naphtha & solvents	0	
	2430 asphalt, tar & pitch	0	
	2540 petroleum coke	2	
	2640 hydrocarbon & petrol gases, liquefied and gaseous	10	
	2990 petro. products nec	51	
	3110 nitrogenous fert.	2	
	3220 alcohols	0	
	3240 nitrogen func. comp.	0	
	3260 organic comp. nec	5	
	3276 metallic salts	2	
	3282 pigments & paints	2	
	3284 medicines	0	
	3285 perfumes & cleansers	0	
	3286 plastics	0	
	3293 explosives	1	
	3297 chemical additives	0	
	3299 chem. products nec	40	
	4150 fuel wood	1	
	4161 wood chips	0	
	4170 wood in the rough	11	
	4189 lumber	8	
	4190 forest products nec	4	
	4225 pulp & waste paper	0	
	4310 building stone	0	
	4331 sand & gravel	14	
	4338 soil & fill dirt	3	
	4410 iron ore	40	
	4420 iron & steel scrap	9	
	4783 salt	8	
	5110 newsprint	1	
	5120 paper & paperboard	6	
	5190 paper products nec	11	
	5210 lime	3	
	5220 cement & concrete	126	
	5240 glass & glass prod.	17	
	5290 misc. mineral prod.	40	
	5360 i&s bars & shapes	1	
	5370 i&s pipe & tube	3	
	5390 primary i&s nec	0	
	5421 copper	0	
	5480 fab. metal products	51	
	5540 primary wood prod.	4	
	6134 fish (not shellfish)	80	
	6136 shellfish	10	
	6653 vegetable oils	1	
	6747 grain mill products	1	
	6781 hay & fodder	1	
	6782 animal feed, prep.	4	
	6811 meat, fresh, frozen	1	
	6835 fish, prepared	21	
	6838 tallow, animal oils	7	
	6885 alcoholic beverages	58	
	6887 groceries	102	
	6888 water & ice	0	
	6889 food products nec	47	
	6899 farm products nec	0	
	7110 machinery (not elec)	25	
	7120 electrical machinery	4	
	7210 vehicles & parts	19	
	7220 aircraft & parts	0	
	7230 ships & boats	1	
	7300 ordnance & access.	0	
	7400 manufac. wood prod.	38	
	7500 textile products	5	
	7600 rubber & plastic pr.	1	
	7900 manufac. prod. nec	146	
	8900 waste and scrap nec	18	
	9900 unknown or nec	74	
		<b>Total Tons(x1000)</b>	<b>1,223</b>
		<b>Total Ton-miles(x1000)</b>	<b>66,874</b>
		<b>Total Trip-ton-miles Internal and Intraport (x1000)</b>	<b>467,717</b>
	ICY STRAIT, AK	2100 crude petroleum	0
		2211 gasoline	9
		2330 distillate fuel oil	8
		2350 lube oil & greases	2
		2429 naphtha & solvents	0

Other Harbors and Waterways 2016 - continued

Harbor or Waterway	Commodity	Thousand Short Tons	
Non-project	2540 petroleum coke	1	
	2640 hydrocarbon & petrol gases, liquefied and gaseous	2	
	2990 petro. products nec	4	
	3110 nitrogenous fert.	2	
	3220 alcohols	0	
	3240 nitrogen func. comp.	0	
	3260 organic comp. nec	0	
	3276 metallic salts	2	
	3282 pigments & paints	0	
	3285 perfumes & cleansers	0	
	3286 plastics	2	
	3299 chem. products nec	28	
	4150 fuel wood	0	
	4161 wood chips	0	
	4170 wood in the rough	1	
	4189 lumber	9	
	4190 forest products nec	0	
	4225 pulp & waste paper	0	
	4331 sand & gravel	2	
	4338 soil & fill dirt	1	
	4410 iron ore	0	
	4420 iron & steel scrap	8	
	4630 copper ore	30	
	4690 non-ferrous ores nec	12	
	4782 clay & refrac. mat.	0	
	4783 salt	6	
	5110 newsprint	1	
	5120 paper & paperboard	0	
	5190 paper products nec	10	
	5210 lime	0	
	5220 cement & concrete	2	
	5240 glass & glass prod.	2	
	5290 misc. mineral prod.	21	
	5360 i&s bars & shapes	2	
	5370 i&s pipe & tube	2	
	5390 primary i&s nec	0	
	5480 fab. metal products	22	
	5540 primary wood prod.	2	
	6134 fish (not shellfish)	75	
	6136 shellfish	9	
	6590 oilseeds nec	0	
	6653 vegetable oils	1	
	6654 vegetables & prod.	0	
	6747 grain mill products	6	
	6781 hay & fodder	1	
	6782 animal feed, prep.	4	
	6811 meat, fresh, frozen	0	
	6835 fish, prepared	22	
	6838 tallow, animal oils	7	
	6885 alcoholic beverages	10	
	6887 groceries	16	
	6889 food products nec	27	
	6899 farm products nec	1	
	7110 machinery (not elec)	7	
	7120 electrical machinery	0	
	7210 vehicles & parts	8	
	7230 ships & boats	1	
	7400 manufac. wood prod.	14	
	7500 textile products	1	
	7600 rubber & plastic pr.	2	
	7900 manufac. prod. nec	119	
	8900 waste and scrap nec	0	
	9900 unknown or nec	0	
		<b>Total Tons(x1000)</b>	<b>528</b>
		<b>Total Ton-miles(x1000)</b>	<b>28,167</b>
		<b>Total Trip-ton-miles Internal and Intraport (x1000)</b>	<b>3,219</b>
	KIVALINA, AK	2211 gasoline	0
		2221 kerosene	0
		2330 distillate fuel oil	138
		3276 metallic salts	1
		4690 non-ferrous ores nec	2,709
		5290 misc. mineral prod.	1
7900 manufac. prod. nec		0	
9900 unknown or nec		2	
		<b>Total Tons(x1000)</b>	<b>2,851</b>
		<b>Total Ton-miles(x1000)</b>	<b>285,081</b>
	<b>Total Trip-ton-miles Internal and Intraport (x1000)</b>	<b>149,943</b>	
LYNN CANAL, AK	2211 gasoline	26	
	2221 kerosene	18	
	2330 distillate fuel oil	55	
	2340 residual fuel oil	0	
	2350 lube oil & greases	15	
	2429 naphtha & solvents	0	

Other Harbors and Waterways 2016 - continued

Harbor or Waterway	Commodity	Thousand Short Tons
Non-project	2430 asphalt, tar & pitch	0
	2540 petroleum coke	1
	2640 hydrocarbon & petrol gases, liquefied and gaseous	3
	2990 petro. products nec	16
	3260 organic comp. nec	7
	3282 pigments & paints	0
	3285 perfumes & cleansers	0
	3286 plastics	0
	3293 explosives	9
	3299 chem. products nec	11
	4150 fuel wood	1
	4170 wood in the rough	7
	4189 lumber	3
	4190 forest products nec	2
	4225 pulp & waste paper	0
	4331 sand & gravel	10
	4338 soil & fill dirt	2
	4410 iron ore	22
	4420 iron & steel scrap	0
	4630 copper ore	27
	4783 salt	5
	5110 newsprint	0
	5120 paper & paperboard	3
	5190 paper products nec	1
	5210 lime	3
	5220 cement & concrete	107
	5240 glass & glass prod.	1
	5290 misc. mineral prod.	8
	5360 i&s bars & shapes	0
	5370 i&s pipe & tube	0
	5480 fab. metal products	18
	5540 primary wood prod.	1
	6134 fish (not shellfish)	6
	6136 shellfish	0
	6747 grain mill products	0
	6781 hay & fodder	0
	6782 animal feed, prep.	0
	6811 meat, fresh, frozen	0
	6835 fish, prepared	0
	6885 alcoholic beverages	36
	6887 groceries	20
	6888 water & ice	0
	6889 food products nec	12
	6899 farm products nec	0
	7110 machinery (not elec)	14
	7120 electrical machinery	1
	7210 vehicles & parts	6
	7230 ships & boats	0
	7400 manufac. wood prod.	8
	7500 textile products	6
	7600 rubber & plastic pr.	0
	7900 manufac. prod. nec	38
	8900 waste and scrap nec	2
	9900 unknown or nec	1
	<b>Total Tons(x1000)</b>	<b>531</b>
	<b>Total Ton-miles(x1000)</b>	<b>21,398</b>
	<b>Total Trip-ton-miles Internal and Intraport (x1000)</b>	<b>145,382</b>
NIKISHKA, AK	2100 crude petroleum	3,149
	2211 gasoline	233
	2221 kerosene	158
	2330 distillate fuel oil	796
	2340 residual fuel oil	52
	2429 naphtha & solvents	337
	<b>Total Tons(x1000)</b>	<b>4,725</b>
REVILLAGIGADO CHANNEL, AK	2211 gasoline	32
	2221 kerosene	37
	2330 distillate fuel oil	72
	2340 residual fuel oil	0
	2350 lube oil & greases	1
	2429 naphtha & solvents	0
	2430 asphalt, tar & pitch	0
	2540 petroleum coke	1
	2640 hydrocarbon & petrol gases, liquefied and gaseous	7
	2990 petro. products nec	6
	3110 nitrogenous fert.	2
	3220 alcohols	0
	3240 nitrogen func. comp.	0
	3260 organic comp. nec	6
	3276 metallic salts	2
	3282 pigments & paints	1
	3284 medicines	0
	3285 perfumes & cleansers	0
	3286 plastics	0
	3293 explosives	0
	3297 chemical additives	0
	3299 chem. products nec	31



Other Harbors and Waterways 2016 - continued

Harbor or Waterway	Commodity	Thousand Short Tons
Non-project		
REVILLAGIGADO CHANNEL, AK - continued	4150 fuel wood	0
	4161 wood chips	0
	4170 wood in the rough	57
	4189 lumber	5
	4190 forest products nec	3
	4225 pulp & waste paper	1
	4310 building stone	0
	4331 sand & gravel	5
	4338 soil & fill dirt	6
	4410 iron ore	76
	4420 iron & steel scrap	1
	4783 salt	5
	5110 newsprint	0
	5120 paper & paperboard	13
	5190 paper products nec	10
	5210 lime	1
	5220 cement & concrete	46
	5240 glass & glass prod.	5
	5290 misc. mineral prod.	18
	5360 i&s bars & shapes	1
	5370 i&s pipe & tube	1
	5390 primary i&s nec	0
	5421 copper	0
	5480 fab. metal products	40
	5540 primary wood prod.	1
	6134 fish (not shellfish)	165
	6136 shellfish	12
	6653 vegetable oils	1
	6747 grain mill products	2
	6781 hay & fodder	0
	6782 animal feed, prep.	5
	6811 meat, fresh, frozen	9
	6835 fish, prepared	34
	6838 tallow, animal oils	7
	6885 alcoholic beverages	88
	6887 groceries	63
	6888 water & ice	0
	6889 food products nec	17
	6899 farm products nec	0
	7110 machinery (not elec)	22
	7120 electrical machinery	3
	7210 vehicles & parts	15
	7220 aircraft & parts	0
	7230 ships & boats	2
	7300 ordnance & access.	0
	7400 manufac. wood prod.	26
	7500 textile products	5
	7600 rubber & plastic pr.	1
	7900 manufac. prod. nec	90
	8900 waste and scrap nec	64
	9900 unknown or nec	94
	<b>Total Tons(x1000)</b>	<b>1,221</b>
	<b>Total Ton-miles(x1000)</b>	<b>54,927</b>
	<b>Total Trip-ton-miles Internal and Intraport (x1000)</b>	<b>733,077</b>
STEPHENS PASSAGE, AK	2211 gasoline	15
	2221 kerosene	28
	2330 distillate fuel oil	31
	2340 residual fuel oil	0
	2350 lube oil & greases	16
	2429 naphtha & solvents	0
	2430 asphalt, tar & pitch	0
	2540 petroleum coke	1
	2640 hydrocarbon & petrol gases, liquefied and gaseous	10
	2990 petro. products nec	38
STEPHENS PASSAGE, AK - continued	3240 nitrogen func. comp.	0
	3260 organic comp. nec	7
	3276 metallic salts	0
	3282 pigments & paints	1
	3284 medicines	0
	3285 perfumes & cleansers	0
	3286 plastics	0
	3293 explosives	6
	3297 chemical additives	0
	3299 chem. products nec	13
	4150 fuel wood	1
	4161 wood chips	0
	4170 wood in the rough	11
	4189 lumber	3
	4190 forest products nec	4
	4225 pulp & waste paper	0
	4310 building stone	0
	4331 sand & gravel	9
	4338 soil & fill dirt	3
	4410 iron ore	37
	4420 iron & steel scrap	0
	4783 salt	8
	5110 newsprint	1

Other Harbors and Waterways 2016 - continued

Harbor or Waterway	Commodity	Thousand Short Tons
Non-project		
	5120 paper & paperboard	6
	5190 paper products nec	3
	5210 lime	3
	5220 cement & concrete	108
	5240 glass & glass prod.	16
	5290 misc. mineral prod.	39
	5360 i&s bars & shapes	0
	5370 i&s pipe & tube	2
	5390 primary i&s nec	0
	5421 copper	0
	5480 fab. metal products	37
	5540 primary wood prod.	3
	6134 fish (not shellfish)	9
	6136 shellfish	0
	6747 grain mill products	1
	6781 hay & fodder	1
	6782 animal feed, prep.	1
	6811 meat, fresh, frozen	1
	6835 fish, prepared	1
	6885 alcoholic beverages	64
	6887 groceries	89
	6888 water & ice	0
	6889 food products nec	50
	6899 farm products nec	0
	7110 machinery (not elec)	26
	7120 electrical machinery	3
	7210 vehicles & parts	20
	7220 aircraft & parts	0
	7230 ships & boats	1
	7300 ordnance & access.	0
	7400 manufac. wood prod.	28
	7500 textile products	7
	7600 rubber & plastic pr.	1
	7900 manufac. prod. nec	132
	8900 waste and scrap nec	11
	9900 unknown or nec	65
	<b>Total Tons(x1000)</b>	<b>974</b>
	<b>Total Ton-miles(x1000)</b>	<b>62,373</b>
	<b>Total Trip-ton-miles Internal and Intraport (x1000)</b>	<b>404,369</b>
SUMNER STRAIT, AK		
	2100 crude petroleum	0
	2211 gasoline	6
	2221 kerosene	6
	2330 distillate fuel oil	9
	2340 residual fuel oil	0
	2350 lube oil & greases	2
	2429 naphtha & solvents	0
	2430 asphalt, tar & pitch	0
	2540 petroleum coke	1
	2640 hydrocarbon & petrol gases, liquefied and gaseous	9
	2990 petro. products nec	61
	3110 nitrogenous fert.	2
	3220 alcohols	0
	3240 nitrogen func. comp.	0
	3260 organic comp. nec	5
	3276 metallic salts	2
	3282 pigments & paints	1
	3284 medicines	0
	3285 perfumes & cleansers	0
	3286 plastics	2
	3293 explosives	1
	3297 chemical additives	0
	3299 chem. products nec	38
	4150 fuel wood	1
	4170 wood in the rough	17
	4189 lumber	11
	4190 forest products nec	4
	4225 pulp & waste paper	1
	4310 building stone	0
	4331 sand & gravel	11
	4338 soil & fill dirt	4
	4410 iron ore	56
	4420 iron & steel scrap	9
	4782 clay & refrac. mat.	0
	4783 salt	10
	5110 newsprint	2
	5120 paper & paperboard	9
	5190 paper products nec	13
	5210 lime	3
	5220 cement & concrete	87
	5240 glass & glass prod.	12
	5290 misc. mineral prod.	40
	5360 i&s bars & shapes	2
	5370 i&s pipe & tube	4
	5390 primary i&s nec	0
	5421 copper	0
	5480 fab. metal products	52
	4161 wood chips	0

Other Harbors and Waterways 2016 - continued

Harbor or Waterway	Commodity	Thousand Short Tons
Non-project		
SUMNER STRAIT, AK - continued	5540 primary wood prod.	5
	6134 fish (not shellfish)	108
	6136 shellfish	11
	6590 oilseeds nec	0
	6653 vegetable oils	1
	6654 vegetables & prod.	0
	6747 grain mill products	7
	6781 hay & fodder	2
	6782 animal feed, prep.	7
	6811 meat, fresh, frozen	5
	6835 fish, prepared	25
	6838 tallow, animal oils	7
	6885 alcoholic beverages	80
	6887 groceries	95
	6888 water & ice	0
	6889 food products nec	55
	6899 farm products nec	2
	7110 machinery (not elec)	27
	7120 electrical machinery	4
	7210 vehicles & parts	22
	7220 aircraft & parts	0
	7230 ships & boats	2
	7300 ordnance & access.	0
	7400 manufac. wood prod.	39
	7500 textile products	5
	7600 rubber & plastic pr.	3
	7900 manufac. prod. nec	220
	8900 waste and scrap nec	31
	9900 unknown or nec	67
	<b>Total Tons(x1000)</b>	<b>1,318</b>
	<b>Total Ton-miles(x1000)</b>	<b>33,382</b>
	<b>Total Trip-ton-miles Internal and Intraport (x1000)</b>	<b>566,834</b>
TONGASS NARROWS, AK	2211 gasoline	20
	2221 kerosene	6
	2330 distillate fuel oil	27
	2340 residual fuel oil	0
	2350 lube oil & greases	2
	2429 naphtha & solvents	0
	2430 asphalt, tar & pitch	1
	2540 petroleum coke	1
	2640 hydrocarbon & petrol gases, liquefied and gaseous	10
	2990 petro. products nec	67
	3110 nitrogenous fert.	2
	3220 alcohols	0
	3240 nitrogen func. comp.	0
	3260 organic comp. nec	8
	3276 metallic salts	2
	3282 pigments & paints	2
	3284 medicines	0
	3285 perfumes & cleansers	0
	3286 plastics	0
	3293 explosives	1
	3297 chemical additives	0
	3299 chem. products nec	36
	4150 fuel wood	1
	4161 wood chips	1
	4170 wood in the rough	58
	4189 lumber	6
	4190 forest products nec	4
	4225 pulp & waste paper	1
	4310 building stone	0
	4331 sand & gravel	10
	4338 soil & fill dirt	6
TONGASS NARROWS, AK - continued	4420 iron & steel scrap	1
	4783 salt	7
	5110 newsprint	0
	5120 paper & paperboard	13
	5190 paper products nec	12
	5210 lime	2
	5220 cement & concrete	88
	5240 glass & glass prod.	10
	5290 misc. mineral prod.	32
	5360 i&s bars & shapes	1
	5370 i&s pipe & tube	2
	5390 primary i&s nec	0
	5421 copper	0
	5480 fab. metal products	54
	5540 primary wood prod.	3
	6134 fish (not shellfish)	166
	6136 shellfish	13
	6653 vegetable oils	1
	6747 grain mill products	2
	6781 hay & fodder	0
	6782 animal feed, prep.	6
	6811 meat, fresh, frozen	9
	6835 fish, prepared	34
	6838 tallow, animal oils	7

Other Harbors and Waterways 2016 - continued

Harbor or Waterway	Commodity	Thousand Short Tons
Non-project	6885 alcoholic beverages	99
	6887 groceries	104
	6888 water & ice	0
	6889 food products nec	32
	6899 farm products nec	0
	7110 machinery (not elec)	30
	7120 electrical machinery	4
	4410 iron ore	76
	7210 vehicles & parts	22
	7220 aircraft & parts	0
	7230 ships & boats	2
	7300 ordnance & access.	0
	7400 manufac. wood prod.	39
	7500 textile products	6
	7600 rubber & plastic pr.	1
	7900 manufac. prod. nec	133
	8900 waste and scrap nec	64
	9900 unknown or nec	124
	<b>Total Tons(x1000)</b>	<b>1,472</b>
	<b>Total Ton-miles(x1000)</b>	<b>15,944</b>
	<b>Total Trip-ton-miles Internal and Intraport (x1000)</b>	<b>803,231</b>
WHITTIER HARBOR, AK	2100 crude petroleum	0
	2429 naphtha & solvents	0
	2430 asphalt, tar & pitch	1
	2640 hydrocarbon & petrol gases, liquefied and gaseous	5
	2990 petro. products nec	0
	3110 nitrogenous fert.	0
	3130 potassic fert.	0
	3190 fert. & mixes nec	0
	3220 alcohols	2
	3230 carboxylic acids	0
	3240 nitrogen func. comp.	0
	3260 organic comp. nec	0
	3275 inorg. elem., oxides, & halogen salts	0
	3276 metallic salts	0
	3282 pigments & paints	0
	3286 plastics	2
	3299 chem. products nec	4
	4150 fuel wood	0
	4161 wood chips	0
	4170 wood in the rough	1
	4189 lumber	6
	4190 forest products nec	0
	4331 sand & gravel	3
	4338 soil & fill dirt	1
	4782 clay & refrac. mat.	0
	4783 salt	3
	4860 slag	0
	5110 newsprint	1
	5120 paper & paperboard	1
	5190 paper products nec	4
	5210 lime	1
	6782 animal feed, prep.	2
	6811 meat, fresh, frozen	1
	6835 fish, prepared	4
	6838 tallow, animal oils	0
	6885 alcoholic beverages	13
	6887 groceries	13
	6889 food products nec	42
	6899 farm products nec	2
	7110 machinery (not elec)	5
	7120 electrical machinery	0
	7210 vehicles & parts	8
	7220 aircraft & parts	0
	7230 ships & boats	0
	7400 manufac. wood prod.	11
	7500 textile products	2
	7600 rubber & plastic pr.	3
	7900 manufac. prod. nec	133
	8900 waste and scrap nec	2
	9900 unknown or nec	0
	<b>Total Tons(x1000)</b>	<b>345</b>

## Section 2

# Trips and Drafts of Vessels



Trips and Drafts of Vessels, 2016  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

**SAN DIEGO HARBOR, CA**

Grand Total	Inbound						Outbound					
	9,524	6,962	7	2,168	327	60	9,531	6,972	9	2,170	321	59

FOREIGN

<b>Total</b>	<b>588</b>	<b>533</b>	<b>1</b>	<b>45</b>	<b>9</b>	<b>—</b>	<b>595</b>	<b>540</b>	<b>4</b>	<b>44</b>	<b>7</b>	<b>—</b>
39	1	1	—	—	—	—	—	—	—	—	—	—
38	3	3	—	—	—	—	1	1	—	—	—	—
35	1	1	—	—	—	—	—	—	—	—	—	—
34	12	12	—	—	—	—	—	—	—	—	—	—
33	19	18	1	—	—	—	—	—	—	—	—	—
32	16	16	—	—	—	—	3	3	—	—	—	—
31	15	15	—	—	—	—	2	2	—	—	—	—
30	41	41	—	—	—	—	18	18	—	—	—	—
29	78	78	—	—	—	—	58	57	1	—	—	—
28	51	51	—	—	—	—	71	71	—	—	—	—
27	63	63	—	—	—	—	83	83	—	—	—	—
26	20	20	—	—	—	—	51	51	—	—	—	—
25	21	21	—	—	—	—	43	40	3	—	—	—
24	22	22	—	—	—	—	29	29	—	—	—	—
23	11	11	—	—	—	—	15	15	—	—	—	—
22	4	4	—	—	—	—	6	6	—	—	—	—
21	1	1	—	—	—	—	3	3	—	—	—	—
20	4	4	—	—	—	—	7	7	—	—	—	—
19	5	4	—	1	—	—	5	4	—	1	—	—
≤ 18	200	147	—	44	9	—	200	150	—	43	7	—

DOMESTIC

<b>Total</b>	<b>8,936</b>	<b>6,429</b>	<b>6</b>	<b>2,123</b>	<b>318</b>	<b>60</b>	<b>8,936</b>	<b>6,432</b>	<b>5</b>	<b>2,126</b>	<b>314</b>	<b>59</b>
38	1	—	1	—	—	—	—	—	—	—	—	—
35	—	—	—	—	—	—	1	—	1	—	—	—
34	1	—	1	—	—	—	—	—	—	—	—	—
33	1	—	1	—	—	—	—	—	—	—	—	—
32	1	—	1	—	—	—	1	—	1	—	—	—
29	1	—	1	—	—	—	—	—	—	—	—	—
28	1	—	1	—	—	—	—	—	—	—	—	—
≤ 18	8,930	6,429	—	2,123	318	60	8,934	6,432	3	2,126	314	59

**Total trips: 19,055**

**LONG BEACH HARBOR, CA**

Grand Total	Inbound						Outbound					
	10,706	4,805	504	3,986	355	1,056	10,749	4,831	552	3,974	342	1,050

FOREIGN

<b>Total</b>	<b>2,027</b>	<b>1,610</b>	<b>409</b>	<b>5</b>	<b>2</b>	<b>1</b>	<b>2,101</b>	<b>1,612</b>	<b>478</b>	<b>7</b>	<b>2</b>	<b>2</b>
67	1	—	1	—	—	—	1	—	1	—	—	—
66	1	—	1	—	—	—	—	—	—	—	—	—
65	1	—	1	—	—	—	—	—	—	—	—	—
63	3	—	3	—	—	—	—	—	—	—	—	—
62	2	—	2	—	—	—	—	—	—	—	—	—
60	5	—	5	—	—	—	—	—	—	—	—	—
59	2	—	2	—	—	—	—	—	—	—	—	—
58	4	—	4	—	—	—	1	—	1	—	—	—
57	2	—	2	—	—	—	—	—	—	—	—	—
56	4	—	4	—	—	—	—	—	—	—	—	—
55	7	—	7	—	—	—	—	—	—	—	—	—
54	6	—	6	—	—	—	—	—	—	—	—	—
53	6	—	6	—	—	—	2	—	2	—	—	—
52	5	—	5	—	—	—	2	—	2	—	—	—
51	10	—	10	—	—	—	3	—	2	—	—	—
50	9	—	9	—	—	—	2	—	2	—	—	—
49	9	3	6	—	—	—	7	3	4	—	—	—
48	25	2	23	—	—	—	7	3	4	—	—	—
47	26	13	13	—	—	—	10	7	3	—	—	—
46	55	41	14	—	—	—	16	14	2	—	—	—
45	31	11	20	—	—	—	31	26	5	—	—	—
44	22	13	9	—	—	—	11	5	6	—	—	—
43	28	23	5	—	—	—	21	16	5	—	—	—

Trips and Drafts of Vessels, 2016  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
<b>LONG BEACH HARBOR, CA - continued</b>												
	Inbound						Outbound					
<b>FOREIGN</b>												
42	26	21	5	—	—	—	20	17	3	—	—	—
41	69	53	16	—	—	—	29	21	8	—	—	—
40	142	129	13	—	—	—	66	50	16	—	—	—
39	88	66	22	—	—	—	103	81	22	—	—	—
38	100	75	25	—	—	—	327	304	23	—	—	—
37	61	46	15	—	—	—	69	41	28	—	—	—
36	307	293	14	—	—	—	120	97	23	—	—	—
35	61	49	12	—	—	—	82	66	16	—	—	—
34	37	25	12	—	—	—	35	27	8	—	—	—
33	55	43	12	—	—	—	96	75	21	—	—	—
32	60	41	19	—	—	—	111	83	28	—	—	—
31	84	71	13	—	—	—	117	85	32	—	—	—
30	39	30	9	—	—	—	100	77	23	—	—	—
29	41	32	9	—	—	—	80	48	32	—	—	—
28	89	78	11	—	—	—	81	30	51	—	—	—
27	177	165	12	—	—	—	206	164	42	—	—	—
26	129	117	12	—	—	—	137	118	19	—	—	—
25	34	24	10	—	—	—	38	28	10	—	—	—
24	19	17	2	—	—	—	24	10	14	—	—	—
23	19	17	2	—	—	—	24	20	4	—	—	—
22	22	18	4	—	—	—	11	5	6	—	—	—
21	12	12	—	—	—	—	11	7	4	—	—	—
20	10	10	—	—	—	—	8	4	3	1	—	—
19	4	3	1	—	—	—	3	1	1	1	—	—
≤ 18	78	69	1	5	2	1	89	78	2	5	2	2
<b>DOMESTIC</b>												
<b>Total</b>	<b>8,679</b>	<b>3,195</b>	<b>95</b>	<b>3,981</b>	<b>353</b>	<b>1,055</b>	<b>8,648</b>	<b>3,219</b>	<b>74</b>	<b>3,967</b>	<b>340</b>	<b>1,048</b>
60	18	—	18	—	—	—	—	—	—	—	—	—
59	3	—	3	—	—	—	—	—	—	—	—	—
57	1	—	1	—	—	—	—	—	—	—	—	—
54	3	—	3	—	—	—	—	—	—	—	—	—
53	1	—	1	—	—	—	1	—	1	—	—	—
51	1	—	1	—	—	—	—	—	—	—	—	—
50	1	—	1	—	—	—	—	—	—	—	—	—
49	—	—	—	—	—	—	1	—	1	—	—	—
48	—	—	—	—	—	—	2	—	2	—	—	—
47	2	—	2	—	—	—	4	—	4	—	—	—
46	1	—	1	—	—	—	1	—	1	—	—	—
45	—	—	—	—	—	—	5	—	5	—	—	—
44	1	—	1	—	—	—	—	—	—	—	—	—
43	1	—	1	—	—	—	4	—	4	—	—	—
42	—	—	—	—	—	—	1	—	1	—	—	—
41	—	—	—	—	—	—	2	—	2	—	—	—
40	1	—	1	—	—	—	1	—	1	—	—	—
39	2	—	2	—	—	—	6	5	1	—	—	—
38	—	—	—	—	—	—	14	13	1	—	—	—
37	1	1	—	—	—	—	22	22	—	—	—	—
36	6	3	3	—	—	—	20	19	1	—	—	—
35	5	4	1	—	—	—	10	8	2	—	—	—
34	13	12	1	—	—	—	9	8	1	—	—	—
33	38	23	15	—	—	—	14	9	5	—	—	—
32	23	21	2	—	—	—	5	5	—	—	—	—
31	6	3	3	—	—	—	3	1	2	—	—	—
30	13	8	5	—	—	—	5	2	3	—	—	—
29	6	5	1	—	—	—	4	3	—	1	—	—
28	3	2	—	—	—	1	5	5	—	—	—	—
27	1	1	—	—	—	—	3	2	—	—	—	1
26	4	—	3	—	—	1	7	—	7	—	—	—
25	2	—	—	—	—	2	2	—	—	—	—	2
24	18	—	8	—	—	10	6	1	2	—	—	3
23	14	—	14	—	—	—	5	2	3	—	—	—
22	2	—	—	—	—	2	—	—	—	—	—	—
21	—	—	—	—	—	—	1	1	—	—	—	—
20	—	—	—	—	—	—	2	1	—	—	—	1
19	4	4	—	—	—	—	—	—	—	—	—	—
≤ 18	8,484	3,108	3	3,981	353	1,039	8,483	3,112	24	3,966	340	1,041
<b>Total trips:</b>											<b>21,455</b>	



Trips and Drafts of Vessels, 2016  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

**LOS ANGELES HARBOR, CA**

	Inbound						Outbound					
<b>Grand Total</b>	<b>9,840</b>	<b>3,381</b>	<b>227</b>	<b>4,209</b>	<b>261</b>	<b>1,762</b>	<b>9,830</b>	<b>3,390</b>	<b>199</b>	<b>4,230</b>	<b>271</b>	<b>1,740</b>

FOREIGN

<b>Total</b>	<b>1,736</b>	<b>1,538</b>	<b>188</b>	<b>5</b>	<b>4</b>	<b>1</b>	<b>1,724</b>	<b>1,549</b>	<b>166</b>	<b>4</b>	<b>5</b>	<b>—</b>
52	—	—	—	—	—	—	1	—	1	—	—	—
48	2	1	1	—	—	—	—	—	—	—	—	—
47	7	—	—	—	—	—	—	—	—	—	—	—
46	11	10	1	—	—	—	1	1	—	—	—	—
45	32	26	6	—	—	—	2	2	—	—	—	—
44	15	11	4	—	—	—	2	2	—	—	—	—
43	53	52	1	—	—	—	15	14	1	—	—	—
42	45	42	3	—	—	—	18	18	—	—	—	—
41	80	69	11	—	—	—	17	15	2	—	—	—
40	121	106	15	—	—	—	29	28	1	—	—	—
39	145	120	25	—	—	—	67	66	1	—	—	—
38	143	125	18	—	—	—	163	161	2	—	—	—
37	180	173	7	—	—	—	227	221	6	—	—	—
36	123	117	6	—	—	—	152	148	4	—	—	—
35	167	159	8	—	—	—	86	85	1	—	—	—
34	46	41	5	—	—	—	72	67	5	—	—	—
33	53	42	11	—	—	—	203	199	4	—	—	—
32	45	33	12	—	—	—	43	42	1	—	—	—
31	40	36	4	—	—	—	58	52	6	—	—	—
30	34	30	4	—	—	—	54	50	4	—	—	—
29	123	116	7	—	—	—	125	116	9	—	—	—
28	37	30	7	—	—	—	69	39	30	—	—	—
27	53	45	8	—	—	—	53	30	23	—	—	—
26	39	33	6	—	—	—	38	21	17	—	—	—
25	24	19	5	—	—	—	38	25	13	—	—	—
24	12	10	1	—	—	1	46	33	12	—	1	—
23	9	9	—	—	—	—	23	20	3	—	—	—
≤ 22	97	76	12	5	3	1	122	94	20	4	4	—

DOMESTIC

<b>Total</b>	<b>8,104</b>	<b>1,843</b>	<b>39</b>	<b>4,204</b>	<b>257</b>	<b>1,761</b>	<b>8,106</b>	<b>1,841</b>	<b>33</b>	<b>4,226</b>	<b>266</b>	<b>1,740</b>
51	1	—	1	—	—	—	—	—	—	—	—	—
49	1	—	1	—	—	—	—	—	—	—	—	—
46	1	—	1	—	—	—	—	—	—	—	—	—
44	1	—	1	—	—	—	—	—	—	—	—	—
43	1	—	1	—	—	—	—	—	—	—	—	—
41	2	—	2	—	—	—	—	—	—	—	—	—
40	9	—	—	—	—	9	2	—	2	—	—	—
39	—	—	—	—	—	—	1	—	1	—	—	—
38	2	—	2	—	—	—	—	—	—	—	—	—
36	2	—	2	—	—	—	2	—	2	—	—	—
35	1	—	1	—	—	—	1	—	1	—	—	—
34	3	—	3	—	—	—	1	—	1	—	—	—
33	1	—	1	—	—	—	6	—	6	—	—	—
32	2	—	2	—	—	—	1	—	1	—	—	—
31	3	—	1	—	—	2	1	—	1	—	—	—
30	4	—	4	—	—	—	3	—	3	—	—	—
29	3	—	3	—	—	—	2	—	—	—	—	2
28	2	—	1	—	—	1	4	—	3	—	—	1
27	18	—	1	—	—	17	6	—	1	—	—	5
26	25	—	2	—	—	23	6	—	3	—	—	3
25	35	—	—	—	—	35	26	—	—	—	—	26
24	23	—	—	—	—	23	9	—	—	—	—	9
23	7	—	—	—	—	7	6	—	—	—	—	6
≤ 22	7,957	1,843	9	4,204	257	1,644	8,029	1,841	8	4,226	266	1,688
										<b>Total trips:</b>		<b>19,670</b>

**PORT HUENEME, CA**

	Inbound						Outbound					
<b>Grand Total</b>	<b>675</b>	<b>578</b>	<b>11</b>	<b>43</b>	<b>40</b>	<b>3</b>	<b>681</b>	<b>577</b>	<b>11</b>	<b>43</b>	<b>47</b>	<b>3</b>

FOREIGN

<b>Total</b>	<b>397</b>	<b>386</b>	<b>11</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>399</b>	<b>388</b>	<b>11</b>	<b>—</b>	<b>—</b>	<b>—</b>
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Trips and Drafts of Vessels, 2016  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
<b>PORT HUENEME, CA - continued</b>												
	Inbound						Outbound					
FOREIGN												
40	3	3	—	—	—	—	1	1	—	—	—	—
38	—	—	—	—	—	—	2	2	—	—	—	—
37	2	2	—	—	—	—	4	4	—	—	—	—
36	8	8	—	—	—	—	—	—	—	—	—	—
35	1	—	1	—	—	—	5	5	—	—	—	—
34	96	94	2	—	—	—	80	80	—	—	—	—
33	25	18	7	—	—	—	8	6	2	—	—	—
32	73	72	1	—	—	—	49	47	2	—	—	—
31	62	62	—	—	—	—	21	21	—	—	—	—
30	27	27	—	—	—	—	13	13	—	—	—	—
29	27	27	—	—	—	—	25	23	2	—	—	—
28	19	19	—	—	—	—	65	64	1	—	—	—
27	12	12	—	—	—	—	39	37	2	—	—	—
26	11	11	—	—	—	—	21	21	—	—	—	—
25	15	15	—	—	—	—	28	28	—	—	—	—
24	3	3	—	—	—	—	21	19	2	—	—	—
23	10	10	—	—	—	—	4	4	—	—	—	—
22	1	1	—	—	—	—	7	7	—	—	—	—
21	1	1	—	—	—	—	5	5	—	—	—	—
20	1	1	—	—	—	—	1	1	—	—	—	—
DOMESTIC												
<b>Total</b>	<b>278</b>	<b>192</b>	<b>—</b>	<b>43</b>	<b>40</b>	<b>3</b>	<b>282</b>	<b>189</b>	<b>—</b>	<b>43</b>	<b>47</b>	<b>3</b>
≤ 18	278	192	—	43	40	3	282	189	—	43	47	3
										<b>Total trips:</b>		<b>1,356</b>
<b>MISSION BAY, CA</b> (6 feet and less)												
	Inbound						Outbound					
<b>Grand Total</b>	<b>1</b>	<b>—</b>	<b>—</b>	<b>1</b>	<b>—</b>	<b>—</b>	<b>2</b>	<b>—</b>	<b>—</b>	<b>2</b>	<b>—</b>	<b>—</b>
										<b>Total trips:</b>		<b>3</b>
<b>MORRO BAY HARBOR, CA</b> No Vessel Trips Reported												
<b>NEWPORT BAY HARBOR, CA</b> (13 feet and less)												
	Inbound						Outbound					
<b>Grand Total</b>	<b>72,909</b>	<b>72,907</b>	<b>—</b>	<b>2</b>	<b>—</b>	<b>—</b>	<b>72,971</b>	<b>72,969</b>	<b>—</b>	<b>2</b>	<b>—</b>	<b>—</b>
										<b>Total trips:</b>		<b>145,880</b>
<b>OCEANSIDE HARBOR, CA</b> (6 feet and less)												
	Inbound						Outbound					
<b>Grand Total</b>	<b>46</b>	<b>44</b>	<b>—</b>	<b>2</b>	<b>—</b>	<b>—</b>	<b>44</b>	<b>42</b>	<b>—</b>	<b>2</b>	<b>—</b>	<b>—</b>
										<b>Total trips:</b>		<b>90</b>
<b>REDONDO BEACH, CA</b> (12 feet and less)												
	Inbound						Outbound					
<b>Grand Total</b>	<b>2</b>	<b>1</b>	<b>—</b>	<b>1</b>	<b>—</b>	<b>—</b>	<b>2</b>	<b>1</b>	<b>—</b>	<b>1</b>	<b>—</b>	<b>—</b>
										<b>Total trips:</b>		<b>4</b>

Trips and Drafts of Vessels, 2016  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels		
	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	
<b>SANTA BARBARA HARBOR, CA</b> (19 feet and less)													
			Inbound						Outbound				
<b>Grand Total</b>	<b>40</b>	<b>40</b>	---	---	---	---	<b>40</b>	<b>40</b>	---	---	---	---	
											<b>Total trips:</b>	<b>80</b>	

Trips and Drafts of Vessels, 2016  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
<b>SACRAMENTO RIVER, CA</b>												
	Upbound						Downbound					
<b>Grand Total</b>	<b>90</b>	<b>23</b>	<b>1</b>	<b>35</b>	<b>31</b>	<b>—</b>	<b>90</b>	<b>25</b>	<b>1</b>	<b>34</b>	<b>30</b>	<b>—</b>
FOREIGN												
<b>Total</b>	<b>24</b>	<b>23</b>	<b>1</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>26</b>	<b>25</b>	<b>1</b>	<b>—</b>	<b>—</b>	<b>—</b>
35	1	—	1	—	—	—	—	—	—	—	—	—
31	—	—	—	—	—	—	1	1	—	—	—	—
29	9	9	—	—	—	—	5	5	—	—	—	—
28	3	3	—	—	—	—	4	4	—	—	—	—
27	1	1	—	—	—	—	—	—	—	—	—	—
26	1	1	—	—	—	—	1	1	—	—	—	—
25	1	1	—	—	—	—	5	4	1	—	—	—
24	—	—	—	—	—	—	3	3	—	—	—	—
23	—	—	—	—	—	—	1	1	—	—	—	—
22	1	1	—	—	—	—	2	2	—	—	—	—
21	3	3	—	—	—	—	3	3	—	—	—	—
20	2	2	—	—	—	—	1	1	—	—	—	—
19	2	2	—	—	—	—	—	—	—	—	—	—
DOMESTIC												
<b>Total</b>	<b>66</b>	<b>—</b>	<b>—</b>	<b>35</b>	<b>31</b>	<b>—</b>	<b>64</b>	<b>—</b>	<b>—</b>	<b>34</b>	<b>30</b>	<b>—</b>
11	—	—	—	—	—	—	4	—	—	—	4	—
9	22	—	—	22	—	—	22	—	—	22	—	—
8	9	—	—	8	1	—	7	—	—	7	—	—
7	1	—	—	—	1	—	—	—	—	—	—	—
≤ 6	34	—	—	5	29	—	31	—	—	5	26	—
											<b>Total trips:</b>	<b>180</b>

**SACRAMENTO RIVER DEEPWATER SHIP CHANNEL, CA**

Draft	Upbound				Downbound									
	Total	Dry Cargo	Tanker	Tow or Tug	Total	Dry Cargo	Tanker	Tow or Tug	Total	Dry Cargo	Tanker	Tow or Tug		
<b>Grand Total</b>	<b>24</b>	<b>23</b>	<b>1</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>26</b>	<b>25</b>	<b>1</b>	<b>—</b>	<b>—</b>	<b>—</b>
FOREIGN														
<b>Total</b>	<b>24</b>	<b>23</b>	<b>1</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>26</b>	<b>25</b>	<b>1</b>	<b>—</b>	<b>—</b>	<b>—</b>
35	1	—	1	—	—	—	—	—	—	—	—	—	—	—
31	—	—	—	—	—	—	—	—	1	1	—	—	—	—
29	9	9	—	—	—	—	—	—	5	5	—	—	—	—
28	3	3	—	—	—	—	—	—	4	4	—	—	—	—
27	1	1	—	—	—	—	—	—	—	—	—	—	—	—
26	1	1	—	—	—	—	—	—	1	1	—	—	—	—
25	1	1	—	—	—	—	—	—	5	4	1	—	—	—
24	—	—	—	—	—	—	—	—	3	3	—	—	—	—
23	—	—	—	—	—	—	—	—	1	1	—	—	—	—
22	1	1	—	—	—	—	—	—	2	2	—	—	—	—
21	3	3	—	—	—	—	—	—	3	3	—	—	—	—
20	2	2	—	—	—	—	—	—	1	1	—	—	—	—
19	2	2	—	—	—	—	—	—	—	—	—	—	—	—
											<b>Total trips:</b>	<b>50</b>		

**SACRAMENTO, CA**

Draft	Inbound				Outbound									
	Total	Dry Cargo	Tanker	Tow or Tug	Total	Dry Cargo	Tanker	Tow or Tug	Total	Dry Cargo	Tanker	Tow or Tug		
<b>Grand Total</b>	<b>25</b>	<b>23</b>	<b>1</b>	<b>—</b>	<b>1</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>27</b>	<b>25</b>	<b>1</b>	<b>—</b>	<b>1</b>	<b>—</b>
FOREIGN														
<b>Total</b>	<b>24</b>	<b>23</b>	<b>1</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>26</b>	<b>25</b>	<b>1</b>	<b>—</b>	<b>—</b>	<b>—</b>
35	1	—	1	—	—	—	—	—	—	—	—	—	—	—
31	—	—	—	—	—	—	—	—	1	1	—	—	—	—
29	9	9	—	—	—	—	—	—	5	5	—	—	—	—
28	3	3	—	—	—	—	—	—	4	4	—	—	—	—
27	1	1	—	—	—	—	—	—	—	—	—	—	—	—
26	1	1	—	—	—	—	—	—	1	1	—	—	—	—
25	1	1	—	—	—	—	—	—	5	4	1	—	—	—

Trips and Drafts of Vessels, 2016  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

**SACRAMENTO, CA - continued**

Inbound							Outbound					
<b>FOREIGN</b>												
24	—	—	—	—	—	—	3	3	—	—	—	—
23	—	—	—	—	—	—	1	1	—	—	—	—
22	1	1	—	—	—	—	2	2	—	—	—	—
21	3	3	—	—	—	—	3	3	—	—	—	—
20	2	2	—	—	—	—	1	1	—	—	—	—
19	2	2	—	—	—	—	—	—	—	—	—	—
<b>DOMESTIC</b>												
<b>Total</b>	<b>1</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>1</b>	<b>—</b>	<b>1</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>1</b>	<b>—</b>
≤ 6	1	—	—	—	1	—	1	—	—	—	1	—
											<b>Total trips:</b>	<b>52</b>

**SAN JOAQUIN RIVER, CA**

Upbound							Downbound					
<b>Grand Total</b>	<b>300</b>	<b>186</b>	<b>61</b>	<b>46</b>	<b>2</b>	<b>5</b>	<b>311</b>	<b>196</b>	<b>61</b>	<b>48</b>	<b>1</b>	<b>5</b>
<b>FOREIGN</b>												
<b>Total</b>	<b>246</b>	<b>186</b>	<b>60</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>256</b>	<b>196</b>	<b>60</b>	<b>—</b>	<b>—</b>	<b>—</b>
41	—	—	—	—	—	—	1	1	—	—	—	—
40	—	—	—	—	—	—	4	4	—	—	—	—
39	—	—	—	—	—	—	4	4	—	—	—	—
36	—	—	—	—	—	—	1	—	1	—	—	—
35	1	1	—	—	—	—	11	11	—	—	—	—
34	1	1	—	—	—	—	7	7	—	—	—	—
33	23	18	5	—	—	—	10	9	1	—	—	—
32	24	18	6	—	—	—	7	7	—	—	—	—
31	46	32	14	—	—	—	12	11	1	—	—	—
30	24	14	10	—	—	—	16	11	5	—	—	—
29	25	14	11	—	—	—	21	17	4	—	—	—
28	17	13	4	—	—	—	19	12	7	—	—	—
27	24	20	4	—	—	—	16	10	6	—	—	—
26	12	9	3	—	—	—	20	13	7	—	—	—
25	9	7	2	—	—	—	22	14	8	—	—	—
24	9	8	1	—	—	—	11	8	3	—	—	—
23	4	4	—	—	—	—	11	9	2	—	—	—
22	7	7	—	—	—	—	20	14	6	—	—	—
21	6	6	—	—	—	—	16	11	5	—	—	—
20	6	6	—	—	—	—	14	11	3	—	—	—
19	6	6	—	—	—	—	8	7	1	—	—	—
18	1	1	—	—	—	—	1	1	—	—	—	—
17	1	1	—	—	—	—	3	3	—	—	—	—
16	—	—	—	—	—	—	1	1	—	—	—	—
<b>DOMESTIC</b>												
<b>Total</b>	<b>54</b>	<b>—</b>	<b>1</b>	<b>46</b>	<b>2</b>	<b>5</b>	<b>55</b>	<b>—</b>	<b>1</b>	<b>48</b>	<b>1</b>	<b>5</b>
32	1	—	1	—	—	—	—	—	—	—	—	—
19	2	—	—	—	—	2	—	—	—	—	—	—
18	8	—	—	8	—	—	10	—	—	10	—	—
17	8	—	—	7	—	1	5	—	—	5	—	—
15	16	—	—	14	—	2	15	—	—	15	—	—
14	7	—	—	7	—	—	8	—	—	8	—	—
13	8	—	—	8	—	—	7	—	—	7	—	—
≤ 12	4	—	—	2	2	—	10	—	1	3	1	5
											<b>Total trips:</b>	<b>611</b>

**STOCKTON, CA**

Inbound							Outbound					
<b>Grand Total</b>	<b>206</b>	<b>134</b>	<b>61</b>	<b>6</b>	<b>—</b>	<b>5</b>	<b>207</b>	<b>137</b>	<b>60</b>	<b>5</b>	<b>—</b>	<b>5</b>
<b>FOREIGN</b>												
<b>Total</b>	<b>194</b>	<b>134</b>	<b>60</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>196</b>	<b>137</b>	<b>59</b>	<b>—</b>	<b>—</b>	<b>—</b>

Trips and Drafts of Vessels, 2016  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
<b>STOCKTON, CA - continued</b>												
	Inbound						Outbound					
<b>FOREIGN</b>												
41	—	—	—	—	—	—	1	1	—	—	—	—
40	—	—	—	—	—	—	4	4	—	—	—	—
39	—	—	—	—	—	—	3	3	—	—	—	—
36	—	—	—	—	—	—	1	—	1	—	—	—
35	1	1	—	—	—	—	—	—	—	—	—	—
34	1	1	—	—	—	—	—	—	—	—	—	—
33	21	16	5	—	—	—	4	4	—	—	—	—
32	18	12	6	—	—	—	6	6	—	—	—	—
31	23	9	14	—	—	—	10	9	1	—	—	—
30	19	9	10	—	—	—	16	11	5	—	—	—
29	23	12	11	—	—	—	18	14	4	—	—	—
28	16	12	4	—	—	—	18	11	7	—	—	—
27	20	16	4	—	—	—	12	6	6	—	—	—
26	12	9	3	—	—	—	18	11	7	—	—	—
25	5	3	2	—	—	—	20	12	8	—	—	—
24	8	7	1	—	—	—	7	4	3	—	—	—
23	2	2	—	—	—	—	9	7	2	—	—	—
22	5	5	—	—	—	—	9	3	6	—	—	—
21	6	6	—	—	—	—	14	9	5	—	—	—
20	6	6	—	—	—	—	14	11	3	—	—	—
19	6	6	—	—	—	—	8	7	1	—	—	—
≤ 18	2	2	—	—	—	—	4	4	—	—	—	—
<b>DOMESTIC</b>												
<b>Total</b>	<b>12</b>	<b>—</b>	<b>1</b>	<b>6</b>	<b>—</b>	<b>5</b>	<b>11</b>	<b>—</b>	<b>1</b>	<b>5</b>	<b>—</b>	<b>5</b>
32	1	—	1	—	—	—	—	—	—	—	—	—
19	2	—	—	—	—	2	—	—	—	—	—	—
≤ 18	9	—	—	6	—	3	11	—	1	5	—	5
											<b>Total trips:</b>	<b>413</b>

MIDDLE RIVER, CA  
No Vessel Trips Reported

MOKELUMNE RIVER, CA  
No Vessel Trips Reported

OLD RIVER, CA  
No Vessel Trips Reported

Trips and Drafts of Vessels, 2016  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
<b>SAN FRANCISCO BAY ENTRANCE, CA</b>												
	Upbound						Downbound					
<b>Grand Total</b>	<b>3,545</b>	<b>2,339</b>	<b>758</b>	<b>185</b>	<b>12</b>	<b>251</b>	<b>3,521</b>	<b>2,342</b>	<b>728</b>	<b>173</b>	<b>16</b>	<b>262</b>
<b>FOREIGN</b>												
<b>Total</b>	<b>2,828</b>	<b>2,238</b>	<b>576</b>	<b>8</b>	<b>1</b>	<b>5</b>	<b>2,844</b>	<b>2,245</b>	<b>579</b>	<b>13</b>	<b>2</b>	<b>5</b>
49	1	1	—	—	—	—	23	23	—	—	—	—
48	1	1	—	—	—	—	1	1	—	—	—	—
47	1	1	—	—	—	—	2	2	—	—	—	—
46	3	1	2	—	—	—	2	2	—	—	—	—
45	26	25	1	—	—	—	3	3	—	—	—	—
44	63	5	58	—	—	—	13	13	—	—	—	—
43	34	28	6	—	—	—	36	34	2	—	—	—
42	55	50	5	—	—	—	15	15	—	—	—	—
41	39	31	8	—	—	—	28	24	4	—	—	—
40	87	75	12	—	—	—	125	117	8	—	—	—
39	88	72	16	—	—	—	75	70	5	—	—	—
38	86	75	11	—	—	—	144	121	23	—	—	—
37	201	139	62	—	—	—	163	142	21	—	—	—
36	153	118	35	—	—	—	160	132	28	—	—	—
35	158	139	19	—	—	—	148	126	22	—	—	—
34	102	84	18	—	—	—	167	161	6	—	—	—
33	196	169	27	—	—	—	159	122	37	—	—	—
32	154	113	41	—	—	—	105	59	46	—	—	—
31	569	500	69	—	—	—	93	69	24	—	—	—
30	106	80	24	—	—	2	493	453	40	—	—	—
29	142	111	31	—	—	—	147	99	48	—	—	—
28	156	121	33	1	—	1	167	104	63	—	—	—
27	119	86	33	—	—	—	152	83	69	—	—	—
26	62	39	23	—	—	—	101	70	30	—	—	1
25	63	47	16	—	—	—	113	65	48	—	—	—
24	34	26	8	—	—	—	38	30	8	—	—	—
23	18	12	6	—	—	—	24	18	6	—	—	—
22	16	14	2	—	—	—	36	21	13	1	—	1
21	25	20	4	1	—	—	24	15	8	1	—	—
20	30	23	5	2	—	—	47	35	8	4	—	—
19	17	16	1	—	—	—	19	8	11	—	—	—
≤ 18	23	16	—	4	1	2	21	8	1	7	2	3
<b>DOMESTIC</b>												
<b>Total</b>	<b>717</b>	<b>101</b>	<b>182</b>	<b>177</b>	<b>11</b>	<b>246</b>	<b>677</b>	<b>97</b>	<b>149</b>	<b>160</b>	<b>14</b>	<b>257</b>
42	6	—	6	—	—	—	2	—	2	—	—	—
41	1	—	1	—	—	—	—	—	—	—	—	—
40	21	—	18	—	—	3	13	—	4	—	—	9
39	2	—	2	—	—	—	4	3	1	—	—	—
38	1	—	1	—	—	—	7	4	3	—	—	—
37	6	1	5	—	—	—	7	3	4	—	—	—
36	31	3	28	—	—	—	25	8	17	—	—	—
35	11	—	11	—	—	—	17	6	11	—	—	—
34	15	5	10	—	—	—	14	10	4	—	—	—
33	51	11	37	—	—	—	18	8	10	—	—	—
32	33	15	9	6	—	3	8	4	2	2	—	—
31	18	8	7	—	—	3	29	—	26	—	—	3
30	24	4	16	—	—	—	13	8	5	—	—	—
29	17	11	1	—	1	4	14	10	4	—	—	—
28	11	8	1	—	—	2	7	5	—	—	—	2
27	30	15	1	—	—	14	19	5	1	—	—	13
26	31	11	6	—	—	—	28	2	5	—	—	20
25	30	—	—	—	—	30	26	1	—	—	—	25
24	23	5	4	—	—	14	37	—	—	—	—	37
23	12	1	3	—	—	—	8	—	2	—	—	6
22	6	1	2	1	—	—	2	18	13	1	1	3
21	15	—	—	—	—	15	4	—	—	—	—	4
20	7	1	—	—	—	6	19	6	1	—	—	12
19	4	—	—	—	—	4	13	7	—	—	—	6
≤ 18	311	1	13	170	4	123	327	7	34	157	12	117
										<b>Total trips:</b>		<b>7,066</b>

Trips and Drafts of Vessels, 2016  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
<b>SAN FRANCISCO HARBOR, CA</b>												
				Inbound						Outbound		
<b>Grand Total</b>	<b>51,784</b>	<b>50,866</b>	<b>1</b>	<b>743</b>	<b>167</b>	<b>7</b>	<b>51,576</b>	<b>50,663</b>	<b>---</b>	<b>741</b>	<b>165</b>	<b>7</b>
<b>FOREIGN</b>												
<b>Total</b>	<b>104</b>	<b>102</b>	<b>1</b>	<b>1</b>	<b>---</b>	<b>---</b>	<b>92</b>	<b>91</b>	<b>---</b>	<b>1</b>	<b>---</b>	<b>---</b>
45	13	13	---	---	---	---	---	---	---	---	---	---
44	1	1	---	---	---	---	---	---	---	---	---	---
43	1	1	---	---	---	---	---	---	---	---	---	---
42	1	1	---	---	---	---	---	---	---	---	---	---
39	1	1	---	---	---	---	---	---	---	---	---	---
32	1	1	---	---	---	---	---	---	---	---	---	---
30	4	4	---	---	---	---	4	4	---	---	---	---
29	11	11	---	---	---	---	17	17	---	---	---	---
28	46	46	---	---	---	---	45	45	---	---	---	---
27	7	7	---	---	---	---	8	8	---	---	---	---
26	1	1	---	---	---	---	5	5	---	---	---	---
25	6	6	---	---	---	---	5	5	---	---	---	---
24	4	4	---	---	---	---	4	4	---	---	---	---
≤ 22	7	5	1	1	---	---	4	3	---	1	---	---
<b>DOMESTIC</b>												
<b>Total</b>	<b>51,680</b>	<b>50,764</b>	<b>---</b>	<b>742</b>	<b>167</b>	<b>7</b>	<b>51,484</b>	<b>50,572</b>	<b>---</b>	<b>740</b>	<b>165</b>	<b>7</b>
26	1	1	---	---	---	---	1	1	---	---	---	---
≤ 22	51,679	50,763	---	742	167	7	51,483	50,571	---	740	165	7
										<b>Total trips:</b>		<b>103,360</b>
<b>REDWOOD CITY HARBOR, CA</b>												
				Inbound						Outbound		
<b>Grand Total</b>	<b>87</b>	<b>24</b>	<b>---</b>	<b>35</b>	<b>27</b>	<b>1</b>	<b>89</b>	<b>29</b>	<b>---</b>	<b>32</b>	<b>27</b>	<b>1</b>
<b>FOREIGN</b>												
<b>Total</b>	<b>24</b>	<b>24</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>29</b>	<b>29</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>
38	6	6	---	---	---	---	1	1	---	---	---	---
37	---	---	---	---	---	---	2	2	---	---	---	---
36	---	---	---	---	---	---	2	2	---	---	---	---
35	2	2	---	---	---	---	1	1	---	---	---	---
33	1	1	---	---	---	---	1	1	---	---	---	---
32	1	1	---	---	---	---	2	2	---	---	---	---
31	---	---	---	---	---	---	4	4	---	---	---	---
30	1	1	---	---	---	---	2	2	---	---	---	---
29	2	2	---	---	---	---	5	5	---	---	---	---
28	---	---	---	---	---	---	3	3	---	---	---	---
27	2	2	---	---	---	---	1	1	---	---	---	---
26	---	---	---	---	---	---	2	2	---	---	---	---
25	2	2	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	1	1	---	---	---	---
≤ 22	7	7	---	---	---	---	2	2	---	---	---	---
<b>DOMESTIC</b>												
<b>Total</b>	<b>63</b>	<b>---</b>	<b>---</b>	<b>35</b>	<b>27</b>	<b>1</b>	<b>60</b>	<b>---</b>	<b>---</b>	<b>32</b>	<b>27</b>	<b>1</b>
≤ 22	63	---	---	35	27	1	60	---	---	32	27	1
										<b>Total trips:</b>		<b>176</b>
<b>OAKLAND HARBOR, CA</b>												
				Inbound						Outbound		
<b>Grand Total</b>	<b>18,008</b>	<b>16,474</b>	<b>1</b>	<b>1,044</b>	<b>150</b>	<b>339</b>	<b>17,871</b>	<b>16,331</b>	<b>1</b>	<b>1,041</b>	<b>157</b>	<b>341</b>
<b>FOREIGN</b>												
<b>Total</b>	<b>1,584</b>	<b>1,583</b>	<b>1</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>1,587</b>	<b>1,586</b>	<b>1</b>	<b>---</b>	<b>---</b>	<b>---</b>
49	1	1	---	---	---	---	23	23	---	---	---	---
48	1	1	---	---	---	---	1	1	---	---	---	---



Trips and Drafts of Vessels, 2016  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

**OAKLAND HARBOR, CA - continued**

Inbound

Outbound

FOREIGN

47	1	1	—	—	—	—	2	2	—	—	—	—
46	1	1	—	—	—	—	2	2	—	—	—	—
45	6	6	—	—	—	—	3	3	—	—	—	—
44	3	3	—	—	—	—	13	13	—	—	—	—
43	26	26	—	—	—	—	34	34	—	—	—	—
42	49	49	—	—	—	—	15	15	—	—	—	—
41	31	31	—	—	—	—	23	23	—	—	—	—
40	76	75	1	—	—	—	109	109	—	—	—	—
39	70	70	—	—	—	—	64	64	—	—	—	—
38	69	69	—	—	—	—	120	120	—	—	—	—
37	139	139	—	—	—	—	137	137	—	—	—	—
36	118	118	—	—	—	—	127	127	—	—	—	—
35	136	136	—	—	—	—	113	113	—	—	—	—
34	83	83	—	—	—	—	149	149	—	—	—	—
33	141	141	—	—	—	—	104	104	—	—	—	—
32	82	82	—	—	—	—	44	44	—	—	—	—
31	458	458	—	—	—	—	47	47	—	—	—	—
30	31	31	—	—	—	—	417	417	—	—	—	—
29	13	13	—	—	—	—	13	13	—	—	—	—
28	10	10	—	—	—	—	8	7	1	—	—	—
27	8	8	—	—	—	—	10	10	—	—	—	—
26	5	5	—	—	—	—	3	3	—	—	—	—
25	8	8	—	—	—	—	2	2	—	—	—	—
24	2	2	—	—	—	—	2	2	—	—	—	—
23	3	3	—	—	—	—	1	1	—	—	—	—
≤ 22	13	13	—	—	—	—	1	1	—	—	—	—

DOMESTIC

<b>Total</b>	<b>16,424</b>	<b>14,891</b>	<b>—</b>	<b>1,044</b>	<b>150</b>	<b>339</b>	<b>16,284</b>	<b>14,745</b>	<b>—</b>	<b>1,041</b>	<b>157</b>	<b>341</b>
39	—	—	—	—	—	—	7	7	—	—	—	—
38	—	—	—	—	—	—	3	3	—	—	—	—
37	2	2	—	—	—	—	2	2	—	—	—	—
36	3	3	—	—	—	—	11	11	—	—	—	—
35	1	1	—	—	—	—	11	11	—	—	—	—
34	10	10	—	—	—	—	12	12	—	—	—	—
33	8	8	—	—	—	—	8	8	—	—	—	—
32	13	13	—	—	—	—	2	2	—	—	—	—
31	9	9	—	—	—	—	4	4	—	—	—	—
30	6	6	—	—	—	—	10	10	—	—	—	—
29	11	11	—	—	—	—	10	10	—	—	—	—
28	10	10	—	—	—	—	8	8	—	—	—	—
27	14	14	—	—	—	—	5	5	—	—	—	—
26	6	6	—	—	—	—	3	3	—	—	—	—
24	3	3	—	—	—	—	—	—	—	—	—	—
23	1	1	—	—	—	—	—	—	—	—	—	—
≤ 22	16,327	14,794	—	1,044	150	339	16,188	14,649	—	1,041	157	341
										<b>Total trips:</b>	<b>157</b>	<b>341</b>
											<b>35,879</b>	

**RICHMOND HARBOR, CA**

Inbound

Outbound

<b>Grand Total</b>	<b>5,836</b>	<b>155</b>	<b>390</b>	<b>4,213</b>	<b>53</b>	<b>1,025</b>	<b>5,830</b>	<b>166</b>	<b>377</b>	<b>4,211</b>	<b>51</b>	<b>1,025</b>
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FOREIGN

<b>Total</b>	<b>379</b>	<b>144</b>	<b>235</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>400</b>	<b>156</b>	<b>243</b>	<b>1</b>	<b>—</b>	<b>—</b>
46	2	—	2	—	—	—	—	—	—	—	—	—
45	7	6	1	—	—	—	—	—	—	—	—	—
44	59	1	58	—	—	—	—	—	—	—	—	—
43	2	1	1	—	—	—	—	—	—	—	—	—
42	4	—	4	—	—	—	—	—	—	—	—	—
41	8	—	8	—	—	—	4	—	4	—	—	—
40	10	—	10	—	—	—	10	4	6	—	—	—
39	13	1	12	—	—	—	5	2	3	—	—	—
38	3	—	3	—	—	—	10	—	10	—	—	—
37	7	—	7	—	—	—	14	1	13	—	—	—
36	5	—	5	—	—	—	15	2	13	—	—	—
35	3	—	3	—	—	—	6	1	5	—	—	—

Trips and Drafts of Vessels, 2016  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

**RICHMOND HARBOR, CA - continued**

	Inbound						Outbound					
<b>FOREIGN</b>												
34	5	—	5	—	—	—	4	2	2	—	—	—
33	7	2	5	—	—	—	32	2	30	—	—	—
32	17	3	14	—	—	—	46	4	42	—	—	—
31	24	3	21	—	—	—	10	4	6	—	—	—
30	18	11	7	—	—	—	20	9	11	—	—	—
29	47	38	9	—	—	—	43	31	12	—	—	—
28	30	17	13	—	—	—	39	22	17	—	—	—
27	34	24	10	—	—	—	34	23	11	—	—	—
26	22	10	12	—	—	—	35	19	16	—	—	—
25	22	14	8	—	—	—	38	23	15	—	—	—
24	8	3	5	—	—	—	6	2	4	—	—	—
23	5	3	2	—	—	—	5	3	2	—	—	—
≤ 22	17	7	10	—	—	—	24	2	21	1	—	—
<b>DOMESTIC</b>												
<b>Total</b>	<b>5,457</b>	<b>11</b>	<b>155</b>	<b>4,213</b>	<b>53</b>	<b>1,025</b>	<b>5,430</b>	<b>10</b>	<b>134</b>	<b>4,210</b>	<b>51</b>	<b>1,025</b>
42	6	—	6	—	—	—	—	—	—	—	—	—
41	1	—	1	—	—	—	—	—	—	—	—	—
40	18	—	18	—	—	—	4	—	4	—	—	—
39	2	—	2	—	—	—	1	—	1	—	—	—
38	2	—	2	—	—	—	—	—	—	—	—	—
37	5	—	5	—	—	—	4	—	4	—	—	—
36	27	—	27	—	—	—	14	—	14	—	—	—
35	11	—	11	—	—	—	8	—	8	—	—	—
34	9	—	9	—	—	—	5	—	5	—	—	—
33	20	—	20	—	—	—	5	—	5	—	—	—
32	9	—	5	3	1	—	13	—	12	1	—	—
31	6	—	6	—	—	—	11	—	11	—	—	—
30	12	—	12	—	—	—	5	—	5	—	—	—
29	1	—	1	—	—	—	1	—	1	—	—	—
28	1	—	1	—	—	—	—	—	—	—	—	—
27	6	—	1	—	—	5	1	—	1	—	—	—
26	7	—	3	—	—	4	3	—	2	—	—	1
25	29	—	—	—	—	29	23	—	—	—	—	23
24	4	—	1	—	1	2	33	—	—	—	—	33
23	6	—	—	—	—	6	8	—	3	—	—	5
≤ 22	5,275	11	24	4,210	51	979	5,291	10	58	4,209	51	963
										<b>Total trips:</b>		<b>11,666</b>

**SAN PABLO BAY AND MARE ISLAND STRAIT, CA**

	Upbound						Downbound					
<b>Grand Total</b>	<b>10,783</b>	<b>9,250</b>	<b>410</b>	<b>709</b>	<b>179</b>	<b>235</b>	<b>10,809</b>	<b>9,270</b>	<b>397</b>	<b>706</b>	<b>202</b>	<b>234</b>
<b>FOREIGN</b>												
<b>Total</b>	<b>679</b>	<b>354</b>	<b>316</b>	<b>4</b>	<b>—</b>	<b>5</b>	<b>707</b>	<b>374</b>	<b>319</b>	<b>9</b>	<b>—</b>	<b>5</b>
43	5	—	5	—	—	—	2	—	2	—	—	—
41	—	—	—	—	—	—	1	1	—	—	—	—
40	1	—	1	—	—	—	6	4	2	—	—	—
39	4	—	4	—	—	—	6	4	2	—	—	—
38	8	—	8	—	—	—	13	—	13	—	—	—
37	55	—	55	—	—	—	10	2	8	—	—	—
36	30	—	30	—	—	—	16	1	15	—	—	—
35	17	1	16	—	—	—	28	11	17	—	—	—
34	14	1	13	—	—	—	13	9	4	—	—	—
33	46	24	22	—	—	—	21	15	6	—	—	—
32	48	23	25	—	—	—	11	9	2	—	—	—
31	86	40	46	—	—	—	30	14	16	—	—	—
30	51	33	16	—	—	2	50	21	29	—	—	—
29	62	42	20	—	—	—	68	33	35	—	—	—
28	63	46	15	1	—	1	70	26	44	—	—	—
27	60	42	18	—	—	—	91	39	52	—	—	—
26	31	23	8	—	—	—	56	41	14	—	—	1
25	21	15	6	—	—	—	67	35	32	—	—	—
24	18	15	3	—	—	—	25	21	4	—	—	—
23	10	6	4	—	—	—	17	14	3	—	—	—
≤ 22	49	43	1	3	—	2	106	74	19	9	—	4

Trips and Drafts of Vessels, 2016  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

**SAN PABLO BAY AND MARE ISLAND STRAIT, CA - continued**  
Upbound

Downbound

DOMESTIC

<b>Total</b>	<b>10,104</b>	<b>8,896</b>	<b>94</b>	<b>705</b>	<b>179</b>	<b>230</b>	<b>10,102</b>	<b>8,896</b>	<b>78</b>	<b>697</b>	<b>202</b>	<b>229</b>
42	—	—	—	—	—	—	2	—	2	—	—	—
40	4	—	1	—	—	3	10	—	1	—	—	9
38	—	—	—	—	—	—	4	—	4	—	—	—
36	2	—	2	—	—	—	4	—	4	—	—	—
35	—	—	—	—	—	—	3	—	3	—	—	—
34	4	—	4	—	—	—	1	—	1	—	—	—
33	20	—	19	—	1	—	7	—	7	—	—	—
32	23	—	16	5	2	—	5	—	2	3	—	—
31	8	—	5	—	—	3	22	—	19	—	—	3
30	14	—	8	—	2	4	3	—	3	—	—	—
29	6	—	—	—	2	4	3	—	3	—	—	—
28	2	—	—	—	—	2	2	—	—	—	—	2
27	9	—	—	—	—	9	13	—	—	—	—	13
26	13	—	3	—	—	10	24	—	3	—	1	20
25	8	—	—	—	—	8	8	—	—	—	—	8
24	15	—	3	—	—	12	7	—	—	—	1	6
23	10	—	6	—	—	4	6	—	2	—	—	4
≤ 22	9,966	8,896	27	700	172	171	9,978	8,896	24	694	200	164
										<b>Total trips:</b>		<b>21,592</b>

**CARQUINEZ STRAIT, CA**

Upbound

Downbound

<b>Grand Total</b>	<b>2,741</b>	<b>1,289</b>	<b>353</b>	<b>687</b>	<b>170</b>	<b>242</b>	<b>2,726</b>	<b>1,310</b>	<b>338</b>	<b>673</b>	<b>187</b>	<b>218</b>
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FOREIGN

<b>Total</b>	<b>634</b>	<b>354</b>	<b>271</b>	<b>4</b>	<b>—</b>	<b>5</b>	<b>659</b>	<b>374</b>	<b>272</b>	<b>8</b>	<b>—</b>	<b>5</b>
43	5	—	5	—	—	—	2	—	2	—	—	—
41	—	—	—	—	—	—	1	1	—	—	—	—
40	1	—	1	—	—	—	4	4	—	—	—	—
39	2	—	2	—	—	—	4	4	—	—	—	—
38	8	—	8	—	—	—	4	—	4	—	—	—
37	48	—	48	—	—	—	6	2	4	—	—	—
36	26	—	26	—	—	—	15	1	14	—	—	—
35	16	1	15	—	—	—	27	11	16	—	—	—
34	14	1	13	—	—	—	12	9	3	—	—	—
33	45	24	21	—	—	—	19	15	4	—	—	—
32	46	23	23	—	—	—	11	9	2	—	—	—
31	77	40	37	—	—	—	26	14	12	—	—	—
30	50	33	15	—	—	2	48	21	27	—	—	—
29	59	42	17	—	—	—	67	33	34	—	—	—
28	59	46	11	1	—	1	67	26	41	—	—	—
27	56	42	14	—	—	—	87	39	48	—	—	—
26	31	23	8	—	—	—	54	41	12	—	—	1
25	17	15	2	—	—	—	59	35	24	—	—	—
24	17	15	2	—	—	—	25	21	4	—	—	—
23	8	6	2	—	—	—	16	14	2	—	—	—
≤ 22	49	43	1	3	—	2	105	74	19	8	—	4

DOMESTIC

<b>Total</b>	<b>2,107</b>	<b>935</b>	<b>82</b>	<b>683</b>	<b>170</b>	<b>237</b>	<b>2,067</b>	<b>936</b>	<b>66</b>	<b>665</b>	<b>187</b>	<b>213</b>
42	—	—	—	—	—	—	1	—	1	—	—	—
40	4	—	1	—	—	3	10	—	—	—	—	10
38	—	—	—	—	—	—	3	—	3	—	—	—
36	2	—	2	—	—	—	3	—	3	—	—	—
35	—	—	—	—	—	—	1	—	1	—	—	—
34	3	—	3	—	—	—	1	—	1	—	—	—
33	19	—	18	—	1	—	7	—	7	—	—	—
32	21	—	14	5	2	—	4	—	1	3	—	—
31	9	—	5	—	—	4	20	—	17	—	—	3
30	14	—	8	—	2	4	2	—	2	—	—	—
29	6	—	—	—	2	4	3	—	3	—	—	—
28	2	—	—	—	—	2	2	—	—	—	—	2
27	9	—	—	—	—	9	13	—	—	—	—	13
26	13	—	3	—	—	10	24	—	3	—	1	20

Trips and Drafts of Vessels, 2016  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

**CARQUINEZ STRAIT, CA - continued**

	Upbound						Downbound					
<b>DOMESTIC</b>												
25	8	—	—	—	—	8	8	—	—	—	—	8
24	14	—	3	—	—	11	5	—	—	—	1	4
23	9	—	5	—	—	4	5	—	1	—	—	4
≤ 22	1,974	935	20	678	163	178	1,955	936	23	662	185	149
										<b>Total trips:</b>		<b>5,467</b>

**SUISUN BAY CHANNEL, CA**

	Upbound						Downbound					
<b>Grand Total</b>	<b>757</b>	<b>211</b>	<b>105</b>	<b>219</b>	<b>138</b>	<b>84</b>	<b>802</b>	<b>224</b>	<b>104</b>	<b>243</b>	<b>164</b>	<b>67</b>
<b>FOREIGN</b>												
<b>Total</b>	<b>280</b>	<b>211</b>	<b>69</b>	—	—	—	<b>295</b>	<b>224</b>	<b>71</b>	—	—	—
41	—	—	—	—	—	—	1	1	—	—	—	—
40	—	—	—	—	—	—	4	4	—	—	—	—
39	—	—	—	—	—	—	4	4	—	—	—	—
37	—	—	—	—	—	—	1	—	1	—	—	—
36	—	—	—	—	—	—	1	—	1	—	—	—
35	2	1	1	—	—	—	19	11	8	—	—	—
34	1	1	—	—	—	—	7	7	—	—	—	—
33	23	18	5	—	—	—	10	9	1	—	—	—
32	24	18	6	—	—	—	7	7	—	—	—	—
31	47	32	15	—	—	—	14	12	2	—	—	—
30	25	14	11	—	—	—	16	11	5	—	—	—
29	35	23	12	—	—	—	26	22	4	—	—	—
28	21	16	5	—	—	—	24	17	7	—	—	—
27	28	21	7	—	—	—	16	10	6	—	—	—
26	14	10	4	—	—	—	21	14	7	—	—	—
25	10	8	2	—	—	—	27	18	9	—	—	—
24	9	8	1	—	—	—	14	11	3	—	—	—
23	4	4	—	—	—	—	13	11	2	—	—	—
22	8	8	—	—	—	—	22	16	6	—	—	—
21	9	9	—	—	—	—	19	14	5	—	—	—
20	9	9	—	—	—	—	15	12	3	—	—	—
19	8	8	—	—	—	—	8	7	1	—	—	—
≤ 18	3	3	—	—	—	—	6	6	—	—	—	—
<b>DOMESTIC</b>												
<b>Total</b>	<b>477</b>	—	<b>36</b>	<b>219</b>	<b>138</b>	<b>84</b>	<b>507</b>	—	<b>33</b>	<b>243</b>	<b>164</b>	<b>67</b>
40	3	—	1	—	—	2	—	—	—	—	—	—
36	2	—	2	—	—	—	2	—	2	—	—	—
35	—	—	—	—	—	—	1	—	1	—	—	—
33	5	—	5	—	—	—	6	—	6	—	—	—
32	1	—	1	—	—	—	—	—	—	—	—	—
31	3	—	2	—	—	1	1	—	1	—	—	—
30	8	—	6	—	—	2	2	—	2	—	—	—
28	—	—	—	—	—	—	1	—	—	—	—	1
27	2	—	—	—	—	2	3	—	—	—	—	3
26	8	—	4	—	—	4	5	—	3	—	—	2
25	3	—	—	—	—	3	1	—	—	—	—	1
24	—	—	—	—	—	—	1	—	—	—	—	1
23	—	—	—	—	—	—	1	—	1	—	—	—
22	2	—	2	—	—	—	5	—	4	—	—	1
21	2	—	—	—	—	2	1	—	—	—	—	1
19	2	—	—	—	—	2	1	—	—	—	—	1
≤ 18	436	—	13	219	138	66	476	—	13	243	164	56
										<b>Total trips:</b>		<b>1,559</b>

Trips and Drafts of Vessels, 2016  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
<b>HUMBOLDT HARBOR AND BAY, CA</b>												
	Inbound						Outbound					
<b>Grand Total</b>	<b>298</b>	<b>193</b>	---	<b>51</b>	<b>26</b>	<b>28</b>	<b>289</b>	<b>194</b>	---	<b>50</b>	<b>26</b>	<b>19</b>
<b>FOREIGN</b>												
<b>Total</b>	<b>1</b>	<b>1</b>	---	---	---	---	<b>2</b>	<b>2</b>	---	---	---	---
32	---	---	---	---	---	---	1	1	---	---	---	---
25	---	---	---	---	---	---	1	1	---	---	---	---
22	1	1	---	---	---	---	---	---	---	---	---	---
<b>DOMESTIC</b>												
<b>Total</b>	<b>297</b>	<b>192</b>	---	<b>51</b>	<b>26</b>	<b>28</b>	<b>287</b>	<b>192</b>	---	<b>50</b>	<b>26</b>	<b>19</b>
≤ 18	297	192	---	51	26	28	287	192	---	50	26	19
										<b>Total trips:</b>		<b>587</b>
<b>BERKELEY, CA</b>												
No Vessel Trips Reported												
<b>BODEGA BAY, CA</b>												
No Vessel Trips Reported												
<b>CRESCENT CITY HARBOR, CA</b>												
No Vessel Trips Reported												
<b>MONTEREY HARBOR, CA</b>												
(15 feet and less)												
	Inbound						Outbound					
<b>Grand Total</b>	<b>2</b>	<b>2</b>	---	---	---	---	<b>2</b>	<b>2</b>	---	---	---	<b>4</b>
										<b>Total trips:</b>		
<b>MOSS LANDING HARBOR, CA</b>												
No Vessel Trips Reported												
<b>NAPA RIVER, CA</b>												
(14 feet and less)												
	Upbound						Downbound					
<b>Grand Total</b>	<b>34</b>	---	---	<b>17</b>	<b>17</b>	---	<b>26</b>	---	---	<b>13</b>	<b>13</b>	---
										<b>Total trips:</b>		<b>60</b>
<b>NOYO RIVER, CA</b>												
No Vessel Trips Reported												
<b>PETALUMA RIVER, CA</b>												
(13 feet and less)												
	Upbound						Downbound					
<b>Grand Total</b>	<b>150</b>	---	---	<b>75</b>	<b>75</b>	---	<b>120</b>	---	---	<b>60</b>	<b>60</b>	---
										<b>Total trips:</b>		<b>270</b>
<b>PILLAR POINT HARBOR, CA</b>												
No Vessel Trips Reported												

Trips and Drafts of Vessels, 2016  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
<b>SAN LEANDRO MARINA, CA</b> (11 feet and less)												
				Inbound						Outbound		
<b>Grand Total</b>	73	—	—	37	36	—	80	—	—	40	40	—
										<b>Total trips:</b>		<b>153</b>
<b>SAN RAFAEL CREEK, CA</b> (15 feet and less)												
				Upbound						Downbound		
<b>Grand Total</b>	2	—	—	2	—	—	4	—	—	4	—	—
										<b>Total trips:</b>		<b>6</b>
<b>SANTA CRUZ HARBOR, CA</b> No Vessel Trips Reported												
<b>SUISUN CHANNEL, CA</b> No Vessel Trips Reported												
<b>OTHER SAN FRANCISCO BAY AREA PORTS, CA</b> (42 feet and less)												
				Upbound						Downbound		
<b>Grand Total</b>	17,008	15,107	23	1,184	383	311	17,036	15,085	16	1,200	394	341
										<b>Total trips:</b>		<b>34,044</b>

Trips and Drafts of Vessels, 2016  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

**HILO HARBOR, HAWAII IS., HI**

	Inbound						Outbound					
<b>Grand Total</b>	<b>592</b>	<b>91</b>	<b>14</b>	<b>191</b>	<b>219</b>	<b>77</b>	<b>592</b>	<b>91</b>	<b>14</b>	<b>188</b>	<b>221</b>	<b>78</b>

FOREIGN

<b>Total</b>	<b>58</b>	<b>44</b>	<b>14</b>	---	---	---	<b>58</b>	<b>44</b>	<b>14</b>	---	---	---
30	1	---	1	---	---	---	---	---	---	---	---	---
29	6	6	---	---	---	---	6	6	---	---	---	---
28	16	16	---	---	---	---	16	16	---	---	---	---
27	12	11	1	---	---	---	11	11	---	---	---	---
26	3	2	1	---	---	---	2	2	---	---	---	---
25	2	1	1	---	---	---	1	1	---	---	---	---
24	5	4	1	---	---	---	4	4	---	---	---	---
23	---	---	---	---	---	---	3	---	3	---	---	---
22	6	1	5	---	---	---	2	1	1	---	---	---
21	1	---	1	---	---	---	1	---	1	---	---	---
20	4	2	2	---	---	---	4	2	2	---	---	---
19	---	---	---	---	---	---	6	---	6	---	---	---
≤ 18	2	1	1	---	---	---	2	1	1	---	---	---

DOMESTIC

<b>Total</b>	<b>534</b>	<b>47</b>	---	<b>191</b>	<b>219</b>	<b>77</b>	<b>534</b>	<b>47</b>	---	<b>188</b>	<b>221</b>	<b>78</b>
27	7	7	---	---	---	---	8	8	---	---	---	---
26	40	40	---	---	---	---	39	39	---	---	---	---
21	26	---	---	---	26	---	25	---	---	---	25	---
20	54	---	---	---	54	---	54	---	---	---	54	---
≤ 18	407	---	---	191	139	77	408	---	---	188	142	78
										<b>Total trips:</b>		<b>1,184</b>

**KAWAIHAE HARBOR, HAWAII IS., HI**

	Inbound						Outbound					
<b>Grand Total</b>	<b>455</b>	<b>6</b>	---	<b>157</b>	<b>268</b>	<b>24</b>	<b>452</b>	<b>6</b>	---	<b>158</b>	<b>263</b>	<b>25</b>

FOREIGN

<b>Total</b>	<b>6</b>	<b>6</b>	---	---	---	---	<b>6</b>	<b>6</b>	---	---	---	---
38	---	---	---	---	---	---	1	1	---	---	---	---
33	---	---	---	---	---	---	1	1	---	---	---	---
32	---	---	---	---	---	---	2	2	---	---	---	---
30	---	---	---	---	---	---	1	1	---	---	---	---
25	1	1	---	---	---	---	---	---	---	---	---	---
21	2	2	---	---	---	---	1	1	---	---	---	---
19	2	2	---	---	---	---	---	---	---	---	---	---
≤ 18	1	1	---	---	---	---	---	---	---	---	---	---

DOMESTIC

<b>Total</b>	<b>449</b>	---	---	<b>157</b>	<b>268</b>	<b>24</b>	<b>446</b>	---	---	<b>158</b>	<b>263</b>	<b>25</b>
21	21	---	---	---	21	---	21	---	---	---	21	---
20	25	---	---	---	25	---	23	---	---	---	23	---
≤ 18	403	---	---	157	222	24	402	---	---	158	219	25
										<b>Total trips:</b>		<b>907</b>

**KAHULUI HARBOR, MAUI, HI**

	Inbound						Outbound					
<b>Grand Total</b>	<b>802</b>	<b>56</b>	<b>13</b>	<b>289</b>	<b>350</b>	<b>94</b>	<b>799</b>	<b>53</b>	<b>12</b>	<b>290</b>	<b>350</b>	<b>94</b>

FOREIGN

<b>Total</b>	<b>20</b>	<b>6</b>	<b>13</b>	<b>1</b>	---	---	<b>16</b>	<b>4</b>	<b>12</b>	---	---	---
32	---	---	---	---	---	---	1	---	1	---	---	---
27	5	5	---	---	---	---	4	4	---	---	---	---
25	2	---	1	1	---	---	---	---	---	---	---	---
23	1	---	1	---	---	---	---	---	---	---	---	---
22	2	---	2	---	---	---	1	---	1	---	---	---

Trips and Drafts of Vessels, 2016  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
<b>KAHULUI HARBOR, MAUI, HI - continued</b>												
	Inbound						Outbound					
FOREIGN												
21	1	—	1	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	1	—	1	—	—	—
19	5	—	5	—	—	—	5	—	5	—	—	—
≤ 18	4	1	3	—	—	—	4	—	4	—	—	—
DOMESTIC												
<b>Total</b>	<b>782</b>	<b>50</b>	<b>—</b>	<b>288</b>	<b>350</b>	<b>94</b>	<b>783</b>	<b>49</b>	<b>—</b>	<b>290</b>	<b>350</b>	<b>94</b>
33	—	—	—	—	—	—	3	—	—	—	3	—
32	4	—	—	4	—	—	12	—	—	8	4	—
29	1	—	—	—	1	—	2	—	—	—	2	—
28	—	—	—	—	—	—	2	1	—	—	1	—
27	9	9	—	—	—	—	8	8	—	—	—	—
26	42	40	—	—	2	—	41	40	—	—	1	—
22	3	—	—	2	1	—	2	—	—	2	—	—
21	6	—	—	—	6	—	6	—	—	—	6	—
20	125	—	—	—	125	—	127	—	—	—	126	1
19	1	1	—	—	—	—	1	—	—	—	1	—
≤ 18	591	—	—	282	215	94	579	—	—	280	207	92
										<b>Total trips:</b>		<b>1,601</b>

<b>BARBERS POINT HARBOR, OAHU, HI</b>												
	Inbound						Outbound					
<b>Grand Total</b>	<b>1,215</b>	<b>38</b>	<b>98</b>	<b>678</b>	<b>121</b>	<b>280</b>	<b>1,199</b>	<b>35</b>	<b>94</b>	<b>677</b>	<b>112</b>	<b>281</b>
FOREIGN												
<b>Total</b>	<b>124</b>	<b>38</b>	<b>85</b>	<b>1</b>	<b>—</b>	<b>—</b>	<b>123</b>	<b>35</b>	<b>88</b>	<b>—</b>	<b>—</b>	<b>—</b>
57	1	—	1	—	—	—	—	—	—	—	—	—
52	2	—	2	—	—	—	—	—	—	—	—	—
51	2	—	2	—	—	—	—	—	—	—	—	—
50	3	—	3	—	—	—	—	—	—	—	—	—
48	8	—	8	—	—	—	1	—	1	—	—	—
47	5	—	5	—	—	—	—	—	—	—	—	—
46	4	—	4	—	—	—	—	—	—	—	—	—
45	8	—	8	—	—	—	—	—	—	—	—	—
44	5	—	5	—	—	—	1	—	1	—	—	—
43	—	—	—	—	—	—	1	—	1	—	—	—
42	2	—	2	—	—	—	—	—	—	—	—	—
41	1	—	1	—	—	—	—	—	—	—	—	—
40	3	—	3	—	—	—	—	—	—	—	—	—
39	—	—	—	—	—	—	2	—	2	—	—	—
38	1	—	1	—	—	—	1	—	1	—	—	—
37	7	6	1	—	—	—	3	—	3	—	—	—
36	17	15	2	—	—	—	2	—	2	—	—	—
35	5	4	1	—	—	—	2	—	2	—	—	—
34	4	2	2	—	—	—	2	—	2	—	—	—
33	3	1	2	—	—	—	2	1	1	—	—	—
32	4	1	3	—	—	—	4	1	3	—	—	—
31	1	—	1	—	—	—	5	1	4	—	—	—
30	3	—	3	—	—	—	10	2	8	—	—	—
29	1	—	1	—	—	—	7	1	6	—	—	—
28	1	—	1	—	—	—	11	6	5	—	—	—
27	5	1	4	—	—	—	21	2	19	—	—	—
26	3	—	3	—	—	—	7	6	1	—	—	—
25	1	—	1	—	—	—	8	2	6	—	—	—
24	2	—	2	—	—	—	7	1	6	—	—	—
23	2	1	1	—	—	—	8	1	7	—	—	—
22	3	1	2	—	—	—	7	4	3	—	—	—
21	4	3	1	—	—	—	6	5	1	—	—	—
20	3	1	2	—	—	—	3	2	1	—	—	—
19	3	—	3	—	—	—	—	—	—	—	—	—
18	5	2	3	—	—	—	2	—	2	—	—	—
17	1	—	1	—	—	—	—	—	—	—	—	—
≤ 12	1	—	—	1	—	—	—	—	—	—	—	—



Trips and Drafts of Vessels, 2016  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

**BARBERS POINT HARBOR, OAHU, HI - continued**  
Inbound

Outbound

DOMESTIC

<b>Total</b>	<b>1,091</b>	<b>---</b>	<b>13</b>	<b>677</b>	<b>121</b>	<b>280</b>	<b>1,076</b>	<b>---</b>	<b>6</b>	<b>677</b>	<b>112</b>	<b>281</b>
43	4	---	4	---	---	---	---	---	---	---	---	---
35	2	---	2	---	---	---	1	---	1	---	---	---
34	---	---	---	---	---	---	1	---	1	---	---	---
33	5	---	5	---	---	---	---	---	---	---	---	---
32	---	---	---	---	---	---	1	---	1	---	---	---
31	---	---	---	---	---	---	3	---	3	---	---	---
22	1	---	1	---	---	---	---	---	---	---	---	---
20	1	---	1	---	---	---	---	---	---	---	---	---
19	3	---	---	---	2	1	---	---	---	---	---	---
18	10	---	---	---	8	2	1	---	---	---	---	1
17	2	---	---	1	---	1	8	---	---	1	---	7
16	27	---	---	13	14	---	15	---	---	11	2	2
15	34	---	---	10	24	---	41	---	---	9	22	10
14	9	---	---	9	---	---	28	---	---	10	---	18
13	136	---	---	136	---	---	157	---	---	135	---	22
≤ 12	857	---	---	508	73	276	820	---	---	511	88	221
										<b>Total trips:</b>		<b>2,414</b>

**HONOLULU HARBOR, OAHU, HI**

Inbound

Outbound

<b>Grand Total</b>	<b>2,829</b>	<b>472</b>	<b>41</b>	<b>1,197</b>	<b>976</b>	<b>143</b>	<b>2,860</b>	<b>472</b>	<b>45</b>	<b>1,212</b>	<b>987</b>	<b>144</b>
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FOREIGN

<b>Total</b>	<b>276</b>	<b>226</b>	<b>39</b>	<b>5</b>	<b>6</b>	<b>---</b>	<b>291</b>	<b>236</b>	<b>43</b>	<b>7</b>	<b>4</b>	<b>1</b>
39	5	---	5	---	---	---	1	---	1	---	---	---
38	16	5	11	---	---	---	1	---	1	---	---	---
37	11	10	1	---	---	---	1	1	---	---	---	---
36	17	15	2	---	---	---	6	6	---	---	---	---
35	9	9	---	---	---	---	16	15	1	---	---	---
34	11	11	---	---	---	---	14	14	---	---	---	---
33	6	4	2	---	---	---	13	12	1	---	---	---
32	9	7	2	---	---	---	16	13	3	---	---	---
31	7	6	1	---	---	---	10	9	1	---	---	---
30	11	11	---	---	---	---	14	10	4	---	---	---
29	19	18	1	---	---	---	23	21	2	---	---	---
28	31	31	---	---	---	---	38	33	5	---	---	---
27	19	18	1	---	---	---	23	18	5	---	---	---
26	8	7	1	---	---	---	13	7	6	---	---	---
25	8	5	2	---	1	---	12	7	4	---	1	---
24	14	14	---	---	---	---	18	13	5	---	---	---
23	7	7	---	---	---	---	9	8	1	---	---	---
22	5	5	---	---	---	---	8	6	2	---	---	---
21	2	2	---	---	---	---	7	6	1	---	---	---
20	7	5	2	---	---	---	7	7	---	---	---	---
19	9	3	6	---	---	---	3	3	---	---	---	---
≤ 18	45	33	2	5	5	---	38	27	---	7	3	1

DOMESTIC

<b>Total</b>	<b>2,553</b>	<b>246</b>	<b>2</b>	<b>1,192</b>	<b>970</b>	<b>143</b>	<b>2,569</b>	<b>236</b>	<b>2</b>	<b>1,205</b>	<b>983</b>	<b>143</b>
39	4	4	---	---	---	---	---	---	---	---	---	---
38	12	12	---	---	---	---	1	1	---	---	---	---
37	21	21	---	---	---	---	---	---	---	---	---	---
36	25	25	---	---	---	---	2	1	1	---	---	---
35	21	21	---	---	---	---	11	11	---	---	---	---
34	20	20	---	---	---	---	14	14	---	---	---	---
33	11	11	---	---	---	---	23	23	---	---	---	---
32	9	7	2	---	---	---	23	23	---	---	---	---
31	3	3	---	---	---	---	11	11	---	---	---	---
30	9	9	---	---	---	---	9	9	---	---	---	---
29	10	10	---	---	---	---	21	21	---	---	---	---
28	9	9	---	---	---	---	22	22	---	---	---	---
27	21	21	---	---	---	---	34	34	---	---	---	---
26	44	44	---	---	---	---	52	52	---	---	---	---
25	3	3	---	---	---	---	---	---	---	---	---	---

Trips and Drafts of Vessels, 2016  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

**HONOLULU HARBOR, OAHU, HI - continued**  
Inbound

Outbound

DOMESTIC

22	—	—	—	—	—	—	1	—	1	—	—	—
21	62	1	—	—	61	—	64	—	—	—	64	—
20	295	6	—	—	289	—	292	1	—	—	291	—
19	8	7	—	—	—	1	5	5	—	—	—	—
≤ 18	1,966	12	—	1,192	620	142	1,984	8	—	1,205	628	143
											<b>Total trips:</b>	<b>5,689</b>

**NAWILIWILI HARBOR, KAUAI, HI**

Inbound

Outbound

<b>Grand Total</b>	<b>596</b>	<b>73</b>	<b>13</b>	<b>202</b>	<b>216</b>	<b>92</b>	<b>576</b>	<b>75</b>	<b>10</b>	<b>198</b>	<b>201</b>	<b>92</b>
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FOREIGN

<b>Total</b>	<b>38</b>	<b>25</b>	<b>13</b>	—	—	—	<b>36</b>	<b>26</b>	<b>10</b>	—	—	—
29	4	4	—	—	—	—	4	4	—	—	—	—
28	7	7	—	—	—	—	7	7	—	—	—	—
27	11	8	3	—	—	—	8	8	—	—	—	—
26	3	2	1	—	—	—	2	2	—	—	—	—
24	3	2	1	—	—	—	3	3	—	—	—	—
23	2	—	2	—	—	—	—	—	—	—	—	—
22	2	—	2	—	—	—	4	—	4	—	—	—
21	1	—	1	—	—	—	3	—	3	—	—	—
20	2	2	—	—	—	—	3	2	1	—	—	—
≤ 18	3	—	3	—	—	—	2	—	2	—	—	—

DOMESTIC

<b>Total</b>	<b>558</b>	<b>48</b>	—	<b>202</b>	<b>216</b>	<b>92</b>	<b>540</b>	<b>49</b>	—	<b>198</b>	<b>201</b>	<b>92</b>
27	9	9	—	—	—	—	9	9	—	—	—	—
26	39	39	—	—	—	—	40	40	—	—	—	—
20	88	—	—	—	88	—	87	—	—	—	87	—
≤ 18	422	—	—	202	128	92	404	—	—	198	114	92
											<b>Total trips:</b>	<b>1,172</b>

**HANA HARBOR, MAUI, HI**  
No Vessel Trips Reported

**KAILUA HARBOR, OAHU, HI**  
No Vessel Trips Reported

**KALAUPAPA HARBOR, MOLOKAI, HI**  
No Vessel Trips Reported

**KAUNAKAKAI HARBOR, MOLOKAI, HI**  
(17 feet and less)

Inbound

Outbound

<b>Grand Total</b>	<b>126</b>	—	—	<b>116</b>	—	<b>10</b>	<b>126</b>	—	—	<b>116</b>	—	<b>10</b>
											<b>Total trips:</b>	<b>252</b>

**PORT ALLEN HARBOR, KAUAI, HI**  
(17 feet and less)

Inbound

Outbound

<b>Grand Total</b>	<b>3</b>	—	—	—	—	<b>3</b>	<b>3</b>	—	—	—	—	<b>3</b>
											<b>Total trips:</b>	<b>6</b>

**WAKE ISLAND HARBOR, WAKE ISLAND**  
No Vessel Trips Reported

Trips and Drafts of Vessels, 2016  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

**WELLS HARBOR, MIDWAY ISLAND**  
No Vessel Trips Reported

Trips and Drafts of Vessels, 2016  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

**COLUMBIA RIVER AND TRIBUTARIES ABOVE MCNARY LOCK AND DAM TO KENNEWICK, WA**

	Upbound						Downbound					
<b>Grand Total</b>	<b>1,573</b>	---	---	<b>192</b>	<b>1,041</b>	<b>340</b>	<b>1,537</b>	---	---	<b>184</b>	<b>1,041</b>	<b>312</b>
<b>DOMESTIC</b>												
<b>Total</b>	<b>1,573</b>	---	---	<b>192</b>	<b>1,041</b>	<b>340</b>	<b>1,537</b>	---	---	<b>184</b>	<b>1,041</b>	<b>312</b>
17	1	---	---	---	1	---	95	---	---	---	95	---
16	---	---	---	---	---	---	294	---	---	---	294	---
15	5	---	---	---	5	---	249	---	---	---	249	---
14	10	---	---	---	10	---	94	---	---	---	94	---
13	93	---	---	---	7	86	168	---	---	---	166	2
≤ 12	1,464	---	---	192	1,018	254	637	---	---	184	143	310
										<b>Total trips:</b>		<b>3,110</b>

**SNAKE RIVER, OR, WA AND ID**

	Upbound						Downbound					
<b>Grand Total</b>	<b>1,109</b>	---	---	<b>167</b>	<b>662</b>	<b>280</b>	<b>1,106</b>	---	---	<b>152</b>	<b>705</b>	<b>249</b>
<b>DOMESTIC</b>												
<b>Total</b>	<b>1,109</b>	---	---	<b>167</b>	<b>662</b>	<b>280</b>	<b>1,106</b>	---	---	<b>152</b>	<b>705</b>	<b>249</b>
17	1	---	---	---	1	---	46	---	---	---	46	---
16	---	---	---	---	---	---	192	---	---	---	192	---
15	3	---	---	---	3	---	189	---	---	---	189	---
14	8	---	---	---	8	---	48	---	---	---	48	---
13	73	---	---	---	6	67	109	---	---	---	107	2
12	30	---	---	---	1	29	17	---	---	---	17	---
11	49	---	---	45	1	3	49	---	---	42	7	---
10	46	---	---	18	9	19	48	---	---	11	35	2
9	77	---	---	65	6	6	100	---	---	61	26	13
8	89	---	---	28	6	55	49	---	---	28	13	8
7	22	---	---	3	6	13	11	---	---	2	---	9
6	31	---	---	8	2	21	16	---	---	8	1	7
5	38	---	---	---	3	35	---	---	---	---	---	---
4	13	---	---	---	1	12	96	---	---	---	---	96
3	449	---	---	---	442	7	126	---	---	---	18	108
2	179	---	---	---	166	13	10	---	---	---	6	4
1	1	---	---	---	1	---	---	---	---	---	---	---
										<b>Total trips:</b>		<b>2,215</b>

Trips and Drafts of Vessels, 2016  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

**COLUMBIA RIVER ENTRANCE, OR AND WA**  
Upbound

Downbound

<b>Grand Total</b>	<b>2,115</b>	<b>1,299</b>	<b>74</b>	<b>240</b>	<b>379</b>	<b>123</b>	<b>2,105</b>	<b>1,302</b>	<b>71</b>	<b>236</b>	<b>394</b>	<b>102</b>
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FOREIGN

<b>Total</b>	<b>1,471</b>	<b>1,299</b>	<b>61</b>	<b>59</b>	<b>44</b>	<b>8</b>	<b>1,462</b>	<b>1,302</b>	<b>60</b>	<b>54</b>	<b>43</b>	<b>3</b>
43	1	1	—	—	—	—	284	284	—	—	—	—
42	3	3	—	—	—	—	64	64	—	—	—	—
41	—	—	—	—	—	—	70	70	—	—	—	—
40	6	5	1	—	—	—	56	56	—	—	—	—
39	4	4	—	—	—	—	26	25	1	—	—	—
38	6	5	1	—	—	—	27	27	—	—	—	—
37	10	7	3	—	—	—	30	29	1	—	—	—
36	17	14	3	—	—	—	51	51	—	—	—	—
35	20	15	5	—	—	—	86	84	1	1	—	—
34	9	8	1	—	—	—	75	74	1	—	—	—
33	46	38	8	—	—	—	65	62	3	—	—	—
32	48	45	3	—	—	—	54	51	3	—	—	—
31	61	49	12	—	—	—	42	35	7	—	—	—
30	76	73	3	—	—	—	59	58	1	—	—	—
29	61	58	3	—	—	—	70	62	8	—	—	—
28	43	41	—	—	—	2	59	51	8	—	—	—
27	54	50	2	1	—	1	55	51	4	—	—	—
26	45	42	1	1	—	1	43	38	5	—	—	—
25	44	43	1	—	—	—	34	29	5	—	—	—
24	69	64	5	—	—	—	25	24	1	—	—	—
23	311	306	5	—	—	—	19	17	2	—	—	—
22	171	169	1	1	—	—	17	15	2	—	—	—
21	204	151	2	34	17	—	52	13	5	34	—	—
20	64	47	—	—	17	—	20	19	1	—	—	—
19	40	36	1	—	3	—	2	1	1	—	—	—
≤ 18	58	25	—	22	7	4	77	12	—	19	43	3

DOMESTIC

<b>Total</b>	<b>644</b>	<b>—</b>	<b>13</b>	<b>181</b>	<b>335</b>	<b>115</b>	<b>643</b>	<b>—</b>	<b>11</b>	<b>182</b>	<b>351</b>	<b>99</b>
40	3	—	1	—	—	2	—	—	—	—	—	—
37	1	—	1	—	—	—	1	—	1	—	—	—
36	—	—	—	—	—	—	1	—	1	—	—	—
35	3	—	3	—	—	—	1	—	1	—	—	—
34	1	—	1	—	—	—	2	—	2	—	—	—
33	3	—	3	—	—	—	—	—	—	—	—	—
30	4	—	—	—	—	4	—	—	—	—	—	—
29	1	—	—	—	—	1	—	—	—	—	—	—
28	2	—	—	—	—	2	—	—	—	—	—	—
27	15	—	—	—	—	15	4	—	—	—	—	4
26	8	—	3	—	—	5	1	—	1	—	—	—
25	4	—	—	—	—	4	—	—	—	—	—	—
24	13	—	—	—	—	13	—	—	—	—	—	—
23	1	—	—	—	—	1	—	—	—	—	—	—
22	2	—	—	—	—	2	—	—	—	—	—	—
21	2	—	—	—	—	2	—	—	—	—	—	—
20	6	—	—	1	—	5	3	—	—	1	—	2
19	3	—	—	—	—	3	3	—	—	—	2	1
≤ 18	572	—	1	180	335	56	627	—	5	181	349	92

**Total trips: 4,220**

**COLUMBIA RIVER, MOUTH TO INTERNATIONAL BOUNDARY**

Upbound

Downbound

<b>Grand Total</b>	<b>43,218</b>	<b>34,716</b>	<b>74</b>	<b>4,429</b>	<b>3,514</b>	<b>485</b>	<b>43,213</b>	<b>34,719</b>	<b>71</b>	<b>4,645</b>	<b>3,292</b>	<b>486</b>
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FOREIGN

<b>Total</b>	<b>1,471</b>	<b>1,299</b>	<b>61</b>	<b>59</b>	<b>44</b>	<b>8</b>	<b>1,462</b>	<b>1,302</b>	<b>60</b>	<b>54</b>	<b>43</b>	<b>3</b>
41	4	4	—	—	—	—	418	418	—	—	—	—
40	6	5	1	—	—	—	56	56	—	—	—	—
39	4	4	—	—	—	—	26	25	1	—	—	—
38	6	5	1	—	—	—	27	27	—	—	—	—
37	10	7	3	—	—	—	30	29	1	—	—	—
36	17	14	3	—	—	—	51	51	—	—	—	—

Trips and Drafts of Vessels, 2016  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
<b>COLUMBIA RIVER, MOUTH TO INTERNATIONAL BOUNDARY - continued</b>												
	Upbound						Downbound					
FOREIGN												
35	20	15	5	—	—	—	86	84	1	1	—	—
34	9	8	1	—	—	—	75	74	1	—	—	—
33	46	38	8	—	—	—	65	62	3	—	—	—
32	48	45	3	—	—	—	55	52	3	—	—	—
31	61	49	12	—	—	—	42	35	7	—	—	—
30	76	73	3	—	—	—	60	59	1	—	—	—
29	61	58	3	—	—	—	68	60	8	—	—	—
28	43	41	—	—	—	2	59	51	8	—	—	—
27	54	50	2	1	—	1	55	51	4	—	—	—
26	45	42	1	1	—	1	43	38	5	—	—	—
25	44	43	1	—	—	—	34	29	5	—	—	—
24	69	64	5	—	—	—	25	24	1	—	—	—
23	311	306	5	—	—	—	19	17	2	—	—	—
22	171	169	1	1	—	—	17	15	2	—	—	—
21	204	151	2	34	17	—	52	13	5	34	—	—
20	64	47	—	—	17	—	20	19	1	—	—	—
19	40	36	1	—	3	—	2	1	1	—	—	—
18	18	16	—	2	—	—	5	3	—	2	—	—
17	4	2	—	2	—	—	2	1	—	—	—	1
16	8	1	—	4	2	1	4	2	—	2	—	—
15	11	1	—	9	1	—	13	1	—	11	1	—
14	4	1	—	1	2	—	3	1	—	1	1	—
13	3	1	—	1	—	1	2	1	—	1	—	—
12	4	1	—	2	—	1	1	—	—	1	—	—
11	—	—	—	—	—	—	1	1	—	—	—	—
10	—	—	—	—	—	—	1	1	—	—	—	—
9	—	—	—	—	—	—	1	1	—	—	—	—
8	4	2	—	1	—	1	1	—	—	1	—	—
6	—	—	—	—	—	—	1	—	—	—	1	—
5	2	—	—	—	2	—	19	—	—	—	19	—
4	—	—	—	—	—	—	22	—	—	—	21	1
3	—	—	—	—	—	—	1	—	—	—	—	1
DOMESTIC												
<b>Total</b>	<b>41,747</b>	<b>33,417</b>	<b>13</b>	<b>4,370</b>	<b>3,470</b>	<b>477</b>	<b>41,751</b>	<b>33,417</b>	<b>11</b>	<b>4,591</b>	<b>3,249</b>	<b>483</b>
40	3	—	1	—	—	2	—	—	—	—	—	—
37	1	—	1	—	—	—	1	—	1	—	—	—
36	—	—	—	—	—	—	1	—	1	—	—	—
35	3	—	3	—	—	—	1	—	1	—	—	—
34	1	—	1	—	—	—	2	—	2	—	—	—
33	3	—	3	—	—	—	—	—	—	—	—	—
30	4	—	—	—	—	4	—	—	—	—	—	—
29	6	—	—	5	—	1	2	—	—	2	—	—
28	2	—	—	—	—	2	—	—	—	—	—	—
27	15	—	—	—	—	15	4	—	—	—	—	4
26	8	—	3	—	—	5	1	—	1	—	—	—
25	4	—	—	—	—	4	—	—	—	—	—	—
24	13	—	—	—	—	13	—	—	—	—	—	—
23	1	—	—	—	—	1	—	—	—	—	—	—
22	2	—	—	—	—	2	—	—	—	—	—	—
21	2	—	—	—	—	2	—	—	—	—	—	—
20	6	—	—	1	—	5	3	—	—	1	—	2
19	3	—	—	—	—	3	3	—	—	—	2	1
18	112	—	—	—	111	1	18	—	—	—	16	2
17	12	—	—	—	1	11	108	—	—	—	105	3
16	64	—	—	56	8	—	465	—	—	59	406	—
15	68	—	—	12	32	24	317	—	—	14	299	4
14	52	—	—	32	15	5	180	—	—	32	147	1
13	213	—	—	50	73	90	392	—	—	54	336	2
12	100	—	—	19	44	37	72	—	—	15	57	—
11	677	—	—	583	88	6	1,146	—	—	689	456	1
10	1,122	—	—	1,082	19	21	1,611	—	—	1,447	162	2
9	917	—	—	601	304	12	731	—	1	638	68	24
8	542	—	—	99	369	74	193	—	—	95	73	25
7	287	—	1	127	143	16	237	—	4	171	22	40
6	27,926	27,086	—	778	29	33	27,793	27,086	—	685	4	18
5	657	—	—	538	81	38	296	—	—	286	5	5
4	6,027	5,787	—	109	108	23	6,218	5,787	—	123	140	168
3	1,935	544	—	278	1,102	11	1,744	544	—	280	746	174
2	958	—	—	—	942	16	212	—	—	—	205	7
1	1	—	—	—	1	—	—	—	—	—	—	—
										<b>Total trips:</b>		<b>86,431</b>

Trips and Drafts of Vessels, 2016  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

**COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW VANCOUVER, WA AND PORTLAND, OR**

	Upbound						Downbound					
<b>Grand Total</b>	<b>18,298</b>	<b>7,630</b>	<b>74</b>	<b>5,971</b>	<b>3,791</b>	<b>832</b>	<b>17,664</b>	<b>7,633</b>	<b>71</b>	<b>5,966</b>	<b>3,790</b>	<b>204</b>

FOREIGN

<b>Total</b>	<b>1,471</b>	<b>1,299</b>	<b>61</b>	<b>59</b>	<b>44</b>	<b>8</b>	<b>1,462</b>	<b>1,302</b>	<b>60</b>	<b>54</b>	<b>43</b>	<b>3</b>
43	1	1	—	—	—	—	284	284	—	—	—	—
42	3	3	—	—	—	—	64	64	—	—	—	—
41	—	—	—	—	—	—	70	70	—	—	—	—
40	6	5	1	—	—	—	56	56	—	—	—	—
39	4	4	—	—	—	—	26	25	1	—	—	—
38	6	5	1	—	—	—	27	27	—	—	—	—
37	10	7	3	—	—	—	30	29	1	—	—	—
36	17	14	3	—	—	—	51	51	—	—	—	—
35	20	15	5	—	—	—	86	84	1	1	—	—
34	9	8	1	—	—	—	75	74	1	—	—	—
33	46	38	8	—	—	—	65	62	3	—	—	—
32	48	45	3	—	—	—	55	52	3	—	—	—
31	61	49	12	—	—	—	42	35	7	—	—	—
30	76	73	3	—	—	—	60	59	1	—	—	—
29	61	58	3	—	—	—	68	60	8	—	—	—
28	43	41	—	—	—	2	59	51	8	—	—	—
27	54	50	2	1	—	1	55	51	4	—	—	—
26	45	42	1	1	—	1	43	38	5	—	—	—
25	44	43	1	—	—	—	34	29	5	—	—	—
24	69	64	5	—	—	—	25	24	1	—	—	—
23	311	306	5	—	—	—	19	17	2	—	—	—
22	171	169	1	1	—	—	17	15	2	—	—	—
21	204	151	2	34	17	—	52	13	5	34	—	—
20	64	47	—	—	17	—	20	19	1	—	—	—
19	40	36	1	—	3	—	2	1	1	—	—	—
≤ 18	58	25	—	22	7	4	77	12	—	19	43	3

DOMESTIC

<b>Total</b>	<b>16,827</b>	<b>6,331</b>	<b>13</b>	<b>5,912</b>	<b>3,747</b>	<b>824</b>	<b>16,202</b>	<b>6,331</b>	<b>11</b>	<b>5,912</b>	<b>3,747</b>	<b>201</b>
40	3	—	1	—	—	2	—	—	—	—	—	—
37	1	—	1	—	—	—	1	—	1	—	—	—
36	—	—	—	—	—	—	1	—	1	—	—	—
35	3	—	3	—	—	—	1	—	1	—	—	—
34	1	—	1	—	—	—	2	—	2	—	—	—
33	3	—	3	—	—	—	—	—	—	—	—	—
30	4	—	—	—	—	4	—	—	—	—	—	—
29	1	—	—	—	—	1	—	—	—	—	—	—
28	2	—	—	—	—	2	—	—	—	—	—	—
27	15	—	—	—	—	15	4	—	—	—	—	4
26	8	—	3	—	—	5	1	—	1	—	—	—
25	4	—	—	—	—	4	—	—	—	—	—	—
24	13	—	—	—	—	13	7	—	—	—	—	7
23	1	—	—	—	—	1	—	—	—	—	—	—
22	2	—	—	—	—	2	—	—	—	—	—	—
21	2	—	—	—	—	2	—	—	—	—	—	—
20	7	—	—	1	—	6	3	—	—	1	—	2
19	3	—	—	—	—	3	3	—	—	—	2	1
≤ 18	16,754	6,331	1	5,911	3,747	764	16,179	6,331	5	5,911	3,745	187
										<b>Total trips:</b>		<b>35,962</b>

**PORT OF ASTORIA, OR**

	Inbound						Outbound					
<b>Grand Total</b>	<b>520</b>	<b>447</b>	<b>2</b>	<b>71</b>	<b>—</b>	<b>—</b>	<b>103</b>	<b>35</b>	<b>—</b>	<b>67</b>	<b>1</b>	<b>—</b>

FOREIGN

<b>Total</b>	<b>482</b>	<b>447</b>	<b>2</b>	<b>33</b>	<b>—</b>	<b>—</b>	<b>70</b>	<b>35</b>	<b>—</b>	<b>34</b>	<b>1</b>	<b>—</b>
43	1	1	—	—	—	—	—	—	—	—	—	—
42	1	1	—	—	—	—	—	—	—	—	—	—
37	—	—	—	—	—	—	3	3	—	—	—	—
35	—	—	—	—	—	—	2	2	—	—	—	—
34	—	—	—	—	—	—	1	1	—	—	—	—
33	2	2	—	—	—	—	3	3	—	—	—	—

Trips and Drafts of Vessels, 2016  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

**PORT OF ASTORIA, OR - continued**

	Inbound						Outbound					
<b>FOREIGN</b>												
32	4	4	—	—	—	—	—	—	—	—	—	—
30	5	5	—	—	—	—	3	3	—	—	—	—
29	5	5	—	—	—	—	4	4	—	—	—	—
28	3	3	—	—	—	—	3	3	—	—	—	—
27	16	16	—	—	—	—	5	5	—	—	—	—
26	6	6	—	—	—	—	—	—	—	—	—	—
25	7	7	—	—	—	—	3	3	—	—	—	—
24	24	23	1	—	—	—	3	3	—	—	—	—
23	183	182	1	—	—	—	—	—	—	—	—	—
22	79	79	—	—	—	—	—	—	—	—	—	—
21	119	86	—	33	—	—	33	—	—	33	—	—
20	10	10	—	—	—	—	3	3	—	—	—	—
19	6	6	—	—	—	—	—	—	—	—	—	—
≤ 18	11	11	—	—	—	—	4	2	—	1	1	—
<b>DOMESTIC</b>												
<b>Total</b>	<b>38</b>	—	—	<b>38</b>	—	—	<b>33</b>	—	—	<b>33</b>	—	—
≤ 18	38	—	—	38	—	—	33	—	—	33	—	—
											<b>Total trips:</b>	<b>623</b>

**PORTS OTHER THAN PORTLAND, ASTORIA, ST. HELENS, LONGVIEW, VANCOUVER AND KALAMA**

	Inbound						Outbound					
<b>Grand Total</b>	<b>1,717</b>	<b>63</b>	—	<b>1,493</b>	<b>159</b>	<b>2</b>	<b>1,723</b>	<b>63</b>	—	<b>1,359</b>	<b>299</b>	<b>2</b>
<b>FOREIGN</b>												
<b>Total</b>	<b>14</b>	<b>10</b>	—	<b>2</b>	<b>1</b>	<b>1</b>	<b>11</b>	<b>10</b>	—	<b>1</b>	—	—
40	3	3	—	—	—	—	—	—	—	—	—	—
39	3	3	—	—	—	—	—	—	—	—	—	—
38	2	2	—	—	—	—	—	—	—	—	—	—
36	1	1	—	—	—	—	—	—	—	—	—	—
31	—	—	—	—	—	—	2	2	—	—	—	—
29	1	1	—	—	—	—	4	4	—	—	—	—
28	—	—	—	—	—	—	2	2	—	—	—	—
26	—	—	—	—	—	—	1	1	—	—	—	—
22	—	—	—	—	—	—	1	1	—	—	—	—
≤ 18	4	—	—	2	1	1	1	—	—	1	—	—
<b>DOMESTIC</b>												
<b>Total</b>	<b>1,703</b>	<b>53</b>	—	<b>1,491</b>	<b>158</b>	<b>1</b>	<b>1,712</b>	<b>53</b>	—	<b>1,358</b>	<b>299</b>	<b>2</b>
29	—	—	—	—	—	—	30	—	—	30	—	—
27	—	—	—	—	—	—	1	—	—	—	—	1
19	—	—	—	—	—	—	3	—	—	—	2	1
≤ 18	1,703	53	—	1,491	158	1	1,678	53	—	1,328	297	—
											<b>Total trips:</b>	<b>3,440</b>

**PORT OF LONGVIEW, WA**

	Inbound						Outbound					
<b>Grand Total</b>	<b>1,673</b>	<b>231</b>	<b>6</b>	<b>999</b>	<b>437</b>	<b>—</b>	<b>1,685</b>	<b>312</b>	<b>8</b>	<b>960</b>	<b>404</b>	<b>1</b>
<b>FOREIGN</b>												
<b>Total</b>	<b>238</b>	<b>231</b>	<b>6</b>	<b>1</b>	—	—	<b>320</b>	<b>312</b>	<b>8</b>	—	—	—
43	—	—	—	—	—	—	73	73	—	—	—	—
42	1	1	—	—	—	—	6	6	—	—	—	—
41	—	—	—	—	—	—	11	11	—	—	—	—
40	1	1	—	—	—	—	18	18	—	—	—	—
39	—	—	—	—	—	—	4	3	1	—	—	—
38	—	—	—	—	—	—	5	5	—	—	—	—
37	1	1	—	—	—	—	10	10	—	—	—	—
36	1	1	—	—	—	—	19	19	—	—	—	—
35	1	1	—	—	—	—	23	23	—	—	—	—



Trips and Drafts of Vessels, 2016  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

**PORT OF LONGVIEW, WA - continued**

Inbound

Outbound

FOREIGN

34	—	—	—	—	—	—	26	26	—	—	—	—
33	5	5	—	—	—	—	25	25	—	—	—	—
32	5	5	—	—	—	—	24	23	1	—	—	—
31	5	5	—	—	—	—	14	14	—	—	—	—
30	8	7	1	—	—	—	4	4	—	—	—	—
29	7	7	—	—	—	—	10	8	2	—	—	—
28	7	7	—	—	—	—	5	3	2	—	—	—
27	4	4	—	—	—	—	1	1	—	—	—	—
26	5	5	—	—	—	—	9	8	1	—	—	—
25	13	13	—	—	—	—	8	7	1	—	—	—
24	13	11	2	—	—	—	5	5	—	—	—	—
23	34	34	—	—	—	—	5	5	—	—	—	—
22	41	40	1	—	—	—	6	6	—	—	—	—
21	34	33	1	—	—	—	4	4	—	—	—	—
20	24	24	—	—	—	—	3	3	—	—	—	—
19	17	16	1	—	—	—	—	—	—	—	—	—
18	7	7	—	—	—	—	—	—	—	—	—	—
17	1	1	—	—	—	—	1	1	—	—	—	—
16	1	1	—	—	—	—	—	—	—	—	—	—
15	1	—	—	—	1	—	—	—	—	—	—	—
13	1	1	—	—	—	—	—	—	—	—	—	—
≤ 12	—	—	—	—	—	—	1	1	—	—	—	—

DOMESTIC

<b>Total</b>	<b>1,435</b>	—	—	<b>998</b>	<b>437</b>	—	<b>1,365</b>	—	—	<b>960</b>	<b>404</b>	<b>1</b>
18	—	—	—	—	—	—	3	—	—	—	3	—
17	6	—	—	—	6	—	—	—	—	—	—	—
16	50	—	—	23	27	—	26	—	—	22	4	—
15	23	—	—	—	23	—	2	—	—	—	2	—
14	26	—	—	1	25	—	1	—	—	1	—	—
13	38	—	—	6	32	—	18	—	—	6	12	—
≤ 12	1,292	—	—	968	324	—	1,315	—	—	931	383	1
										<b>Total trips:</b>		<b>3,358</b>

**PORT OF KALAMA, WA**

Inbound

Outbound

<b>Grand Total</b>	<b>1,062</b>	<b>73</b>	<b>11</b>	<b>642</b>	<b>336</b>	—	<b>1,191</b>	<b>238</b>	<b>8</b>	<b>644</b>	<b>301</b>	—
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FOREIGN

<b>Total</b>	<b>84</b>	<b>73</b>	<b>11</b>	—	—	—	<b>246</b>	<b>238</b>	<b>8</b>	—	—	—
43	—	—	—	—	—	—	120	120	—	—	—	—
42	1	1	—	—	—	—	33	33	—	—	—	—
41	—	—	—	—	—	—	32	32	—	—	—	—
40	1	1	—	—	—	—	12	12	—	—	—	—
39	—	—	—	—	—	—	5	5	—	—	—	—
38	1	—	1	—	—	—	5	5	—	—	—	—
37	2	1	1	—	—	—	3	2	1	—	—	—
36	1	1	—	—	—	—	3	3	—	—	—	—
35	2	—	2	—	—	—	9	8	1	—	—	—
34	1	1	—	—	—	—	6	6	—	—	—	—
33	6	3	3	—	—	—	2	1	1	—	—	—
32	3	3	—	—	—	—	2	2	—	—	—	—
31	3	1	2	—	—	—	2	—	2	—	—	—
30	3	3	—	—	—	—	1	1	—	—	—	—
29	2	1	1	—	—	—	1	1	—	—	—	—
28	—	—	—	—	—	—	2	1	1	—	—	—
27	1	1	—	—	—	—	2	2	—	—	—	—
26	5	5	—	—	—	—	2	1	1	—	—	—
25	3	3	—	—	—	—	2	2	—	—	—	—
24	4	3	1	—	—	—	1	1	—	—	—	—
23	24	24	—	—	—	—	—	—	—	—	—	—
22	6	6	—	—	—	—	1	—	1	—	—	—
21	8	8	—	—	—	—	—	—	—	—	—	—
20	4	4	—	—	—	—	—	—	—	—	—	—
19	2	2	—	—	—	—	—	—	—	—	—	—
≤ 18	1	1	—	—	—	—	—	—	—	—	—	—

Trips and Drafts of Vessels, 2016  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
<b>PORT OF KALAMA, WA - continued</b>												
	Inbound						Outbound					
DOMESTIC												
<b>Total</b>	<b>978</b>	---	---	<b>642</b>	<b>336</b>	---	<b>945</b>	---	---	<b>644</b>	<b>301</b>	---
29	---	---	---	---	---	---	29	---	---	29	---	---
≤ 18	978	---	---	642	336	---	916	---	---	615	301	---
										<b>Total trips:</b>		<b>2,253</b>
<b>MULTNOMAH CHANNEL, OR</b>												
	Upbound						Downbound					
<b>Grand Total</b>	<b>2,091</b>	---	---	<b>885</b>	<b>1,206</b>	---	<b>2,091</b>	---	---	<b>885</b>	<b>1,206</b>	---
DOMESTIC												
<b>Total</b>	<b>2,091</b>	---	---	<b>885</b>	<b>1,206</b>	---	<b>2,091</b>	---	---	<b>885</b>	<b>1,206</b>	---
11	643	---	---	---	643	---	4	---	---	---	4	---
10	---	---	---	---	---	---	1	---	---	---	1	---
9	39	---	---	---	39	---	243	---	---	---	243	---
8	27	---	---	---	27	---	285	---	---	---	285	---
7	6	---	---	---	6	---	71	---	---	---	71	---
6	609	---	---	609	---	---	364	---	---	364	---	---
5	276	---	---	276	---	---	522	---	---	519	3	---
4	134	---	---	---	134	---	125	---	---	---	125	---
3	348	---	---	---	348	---	123	---	---	2	121	---
2	9	---	---	---	9	---	353	---	---	---	353	---
										<b>Total trips:</b>		<b>4,182</b>
<b>OREGON SLOUGH (NORTH PORTLAND HARBOR), OR</b>												
	Upbound						Downbound					
<b>Grand Total</b>	<b>376</b>	<b>109</b>	---	<b>228</b>	<b>38</b>	<b>1</b>	<b>377</b>	<b>113</b>	---	<b>227</b>	<b>36</b>	<b>1</b>
FOREIGN												
<b>Total</b>	<b>109</b>	<b>109</b>	---	---	---	---	<b>113</b>	<b>113</b>	---	---	---	---
41	---	---	---	---	---	---	1	1	---	---	---	---
40	---	---	---	---	---	---	1	1	---	---	---	---
38	---	---	---	---	---	---	1	1	---	---	---	---
37	1	1	---	---	---	---	---	---	---	---	---	---
36	---	---	---	---	---	---	1	1	---	---	---	---
35	2	2	---	---	---	---	5	5	---	---	---	---
34	---	---	---	---	---	---	3	3	---	---	---	---
33	2	2	---	---	---	---	1	1	---	---	---	---
32	14	14	---	---	---	---	5	5	---	---	---	---
31	6	6	---	---	---	---	3	3	---	---	---	---
30	27	27	---	---	---	---	27	27	---	---	---	---
29	14	14	---	---	---	---	16	16	---	---	---	---
28	11	11	---	---	---	---	17	17	---	---	---	---
27	16	16	---	---	---	---	8	8	---	---	---	---
26	8	8	---	---	---	---	8	8	---	---	---	---
25	5	5	---	---	---	---	10	10	---	---	---	---
24	2	2	---	---	---	---	2	2	---	---	---	---
23	---	---	---	---	---	---	2	2	---	---	---	---
22	---	---	---	---	---	---	2	2	---	---	---	---
21	1	1	---	---	---	---	---	---	---	---	---	---
DOMESTIC												
<b>Total</b>	<b>267</b>	---	---	<b>228</b>	<b>38</b>	<b>1</b>	<b>264</b>	---	---	<b>227</b>	<b>36</b>	<b>1</b>
29	---	---	---	---	---	---	1	---	---	1	---	---
14	12	---	---	---	12	---	---	---	---	---	---	---
13	18	---	---	---	18	---	---	---	---	---	---	---
12	3	---	---	---	3	---	---	---	---	---	---	---
11	50	---	---	48	2	---	48	---	---	48	---	---
10	102	---	---	99	3	---	99	---	---	99	---	---
9	51	---	---	50	---	1	49	---	---	49	---	---
8	4	---	---	4	---	---	4	---	---	4	---	---

Trips and Drafts of Vessels, 2016  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

**OREGON SLOUGH (NORTH PORTLAND HARBOR), OR - continued**  
Upbound

Downbound

DOMESTIC

7	6	—	—	6	—	—	6	—	—	6	—	—
6	2	—	—	2	—	—	1	—	—	1	—	—
5	—	—	—	—	—	—	1	—	—	1	—	—
4	4	—	—	4	—	—	4	—	—	3	1	—
3	15	—	—	15	—	—	39	—	—	15	24	—
2	—	—	—	—	—	—	12	—	—	—	11	1
<b>Total trips:</b>											<b>753</b>	

**PORT OF VANCOUVER, WA**

Inbound

Outbound

<b>Grand Total</b>	1,855	302	30	1,111	383	29	1,796	268	31	1,110	359	28
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FOREIGN

<b>Total</b>	340	302	29	2	7	—	305	268	30	1	6	—
42	—	—	—	—	—	—	61	61	—	—	—	—
41	—	—	—	—	—	—	20	20	—	—	—	—
40	1	—	1	—	—	—	6	6	—	—	—	—
39	1	1	—	—	—	—	—	—	—	—	—	—
38	2	2	—	—	—	—	2	2	—	—	—	—
37	5	4	1	—	—	—	5	5	—	—	—	—
36	10	8	2	—	—	—	8	8	—	—	—	—
35	10	7	3	—	—	—	13	13	—	—	—	—
34	1	1	—	—	—	—	13	12	1	—	—	—
33	13	10	3	—	—	—	15	13	2	—	—	—
32	8	8	—	—	—	—	10	9	1	—	—	—
31	33	23	10	—	—	—	13	9	4	—	—	—
30	22	21	1	—	—	—	15	15	—	—	—	—
29	27	25	2	—	—	—	27	22	5	—	—	—
28	17	17	—	—	—	—	16	13	3	—	—	—
27	9	7	2	—	—	—	24	21	3	—	—	—
26	12	11	1	—	—	—	11	10	1	—	—	—
25	11	11	—	—	—	—	5	2	3	—	—	—
24	20	19	1	—	—	—	6	6	—	—	—	—
23	53	52	1	—	—	—	5	5	—	—	—	—
22	37	37	—	—	—	—	6	5	1	—	—	—
21	20	19	1	—	—	—	9	5	4	—	—	—
20	8	7	—	—	1	—	4	3	1	—	—	—
19	13	10	—	—	3	—	2	1	1	—	—	—
≤ 18	7	2	—	2	3	—	9	2	—	1	6	—

DOMESTIC

<b>Total</b>	1,515	—	1	1,109	376	29	1,491	—	1	1,109	353	28
34	1	—	1	—	—	—	—	—	—	7	—	—
29	—	—	—	—	—	—	7	—	—	—	—	—
≤ 18	1,514	—	—	1,109	376	29	1,484	—	1	1,102	353	28
<b>Total trips:</b>											<b>3,651</b>	

**COLUMBIA RIVER BETWEEN VANCOUVER, WA AND THE DALLES, OR**

Upbound

Downbound

<b>Grand Total</b>	3,381	—	—	721	2,307	353	3,341	—	—	698	2,307	336
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DOMESTIC

<b>Total</b>	3,381	—	—	721	2,307	353	3,341	—	—	698	2,307	336
17	1	—	—	—	1	—	105	—	—	—	105	—
16	—	—	—	—	—	—	374	—	—	—	374	—
15	8	—	—	3	5	—	268	—	—	3	265	—
14	8	—	—	—	8	—	144	—	—	—	144	—
13	135	—	—	—	47	88	330	—	—	—	328	2
12	41	—	—	—	4	37	56	—	—	—	56	—
11	128	—	—	58	66	4	155	—	—	56	98	1
10	110	—	—	79	12	19	242	—	—	78	162	2

Trips and Drafts of Vessels, 2016  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels			Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker		Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

**COLUMBIA RIVER BETWEEN VANCOUVER, WA AND THE DALLES, OR - continued**

DOMESTIC

	Upbound							Downbound					
9	263	—	—	134	119	10	236	—	—	146	67	23	
8	285	—	—	63	150	72	148	—	—	63	73	12	
7	82	—	—	9	57	16	58	—	—	7	11	40	
≤ 6	2,320	—	—	375	1,838	107	1,225	—	—	345	624	256	
										<b>Total trips:</b>		<b>6,722</b>	

**COLUMBIA RIVER ABOVE THE DALLES DAM, WA AND OR TO McNARY LOCK AND DAM, OR AND WA**

	Upbound						Downbound					
<b>Grand Total</b>	<b>2,338</b>	<b>—</b>	<b>—</b>	<b>315</b>	<b>1,671</b>	<b>352</b>	<b>2,352</b>	<b>—</b>	<b>—</b>	<b>306</b>	<b>1,671</b>	<b>375</b>

DOMESTIC

	Upbound						Downbound					
<b>Total</b>	<b>2,338</b>	<b>—</b>	<b>—</b>	<b>315</b>	<b>1,671</b>	<b>352</b>	<b>2,352</b>	<b>—</b>	<b>—</b>	<b>306</b>	<b>1,671</b>	<b>375</b>
17	1	—	—	—	1	—	104	—	—	—	104	—
16	—	—	—	—	—	—	281	—	—	—	281	—
15	8	—	—	3	5	—	264	—	—	3	261	—
14	8	—	—	—	8	—	139	—	—	—	139	—
13	97	—	—	—	9	88	320	—	—	—	318	2
12	41	—	—	—	4	37	48	—	—	—	48	—
11	66	—	—	58	4	4	113	—	—	56	56	1
10	92	—	—	59	14	19	178	—	—	59	117	2
9	115	—	—	82	23	10	140	—	—	79	38	23
8	168	—	—	49	47	72	91	—	—	47	32	12
7	55	—	—	8	31	16	49	—	—	7	2	40
6	107	—	—	56	18	33	74	—	—	55	1	18
5	105	—	—	—	67	38	3	—	—	—	—	3
4	30	—	—	—	16	14	141	—	—	—	4	137
3	947	—	—	—	940	7	393	—	—	—	259	134
2	497	—	—	—	483	14	14	—	—	—	11	3
1	1	—	—	—	1	—	—	—	—	—	—	—
										<b>Total trips:</b>		<b>4,690</b>

**PORT OF PORTLAND, OR**

	Inbound						Outbound					
<b>Grand Total</b>	<b>5,873</b>	<b>236</b>	<b>25</b>	<b>3,324</b>	<b>1,792</b>	<b>496</b>	<b>6,067</b>	<b>439</b>	<b>24</b>	<b>3,524</b>	<b>1,587</b>	<b>493</b>

FOREIGN

	Inbound						Outbound					
<b>Total</b>	<b>308</b>	<b>236</b>	<b>13</b>	<b>18</b>	<b>34</b>	<b>7</b>	<b>502</b>	<b>439</b>	<b>14</b>	<b>12</b>	<b>34</b>	<b>3</b>
42	—	—	—	—	—	—	55	55	—	—	—	—
41	—	—	—	—	—	—	7	7	—	—	—	—
40	—	—	—	—	—	—	20	20	—	—	—	—
39	—	—	—	—	—	—	17	17	—	—	—	—
38	1	1	—	—	—	—	15	15	—	—	—	—
37	2	1	1	—	—	—	9	9	—	—	—	—
36	4	3	1	—	—	—	21	21	—	—	—	—
35	7	7	—	—	—	—	39	38	—	1	—	—
34	7	6	1	—	—	—	29	29	—	—	—	—
33	20	18	2	—	—	—	20	20	—	—	—	—
32	28	25	3	—	—	—	19	18	1	—	—	—
31	20	20	—	—	—	—	11	10	1	—	—	—
30	38	37	1	—	—	—	37	36	1	—	—	—
29	19	19	—	—	—	—	22	21	1	—	—	—
28	16	14	—	—	—	2	31	29	2	—	—	—
27	24	22	—	1	—	1	23	22	1	—	—	—
26	17	15	—	1	—	1	20	18	2	—	—	—
25	10	9	1	—	—	—	16	15	1	—	—	—
24	8	8	—	—	—	—	10	9	1	—	—	—
23	17	14	3	—	—	—	9	7	2	—	—	—
22	8	7	—	1	—	—	3	3	—	—	—	—
21	23	5	—	1	17	—	6	4	1	1	—	—
20	18	2	—	—	16	—	10	10	—	—	—	—
19	2	2	—	—	—	—	—	—	—	—	—	—
≤ 18	19	1	—	14	1	3	53	6	—	10	34	3

Trips and Drafts of Vessels, 2016  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

**PORT OF PORTLAND, OR - continued**

	Inbound						Outbound					
<b>DOMESTIC</b>												
<b>Total</b>	<b>5,565</b>	---	<b>12</b>	<b>3,306</b>	<b>1,758</b>	<b>489</b>	<b>5,565</b>	---	<b>10</b>	<b>3,512</b>	<b>1,553</b>	<b>490</b>
40	3	---	1	---	---	2	---	---	---	---	---	---
37	1	---	1	---	---	---	1	---	1	---	---	---
36	---	---	---	---	---	---	1	---	1	---	---	---
35	3	---	3	---	---	---	1	---	1	---	---	---
34	---	---	---	---	---	---	2	---	2	---	---	---
33	3	---	3	---	---	---	---	---	---	---	---	---
30	4	---	---	---	---	4	---	---	---	---	---	---
29	1	---	---	---	---	1	7	---	---	7	---	---
28	2	---	---	---	---	2	---	---	---	---	---	---
27	15	---	---	---	---	15	3	---	---	---	---	3
26	8	---	3	---	---	5	1	---	1	---	---	---
25	4	---	---	---	---	4	---	---	---	---	---	---
24	17	---	---	---	---	17	3	---	---	---	---	3
23	1	---	---	---	---	1	---	---	---	---	---	---
22	2	---	---	---	---	2	---	---	---	---	---	---
21	2	---	---	---	---	2	---	---	---	---	---	---
20	7	---	---	1	---	6	3	---	---	1	---	2
19	3	---	---	---	---	3	---	---	---	---	---	---
≤ 18	5,489	---	1	3,305	1,758	425	5,543	---	4	3,504	1,553	482
										<b>Total trips:</b>		<b>11,940</b>

**WILLAMETTE RIVER ABOVE PORTLAND AND YAMHILL RIVER, OR**

	Upbound						Downbound					
<b>Grand Total</b>	<b>19,303</b>	<b>18,299</b>	---	<b>419</b>	<b>585</b>	---	<b>19,301</b>	<b>18,299</b>	---	<b>421</b>	<b>581</b>	---
<b>DOMESTIC</b>												
<b>Total</b>	<b>19,303</b>	<b>18,299</b>	---	<b>419</b>	<b>585</b>	---	<b>19,301</b>	<b>18,299</b>	---	<b>421</b>	<b>581</b>	---
13	105	---	---	---	105	---	---	---	---	---	---	---
12	4	---	---	---	4	---	---	---	---	---	---	---
11	40	---	---	---	40	---	---	---	---	---	---	---
10	47	---	---	13	34	---	19	---	---	13	6	---
9	---	---	---	---	---	---	63	---	---	---	63	---
8	12	---	---	12	---	---	22	---	---	14	8	---
7	---	---	---	---	---	---	32	---	---	26	6	---
6	392	---	---	392	---	---	519	---	---	366	153	---
5	2	---	---	2	---	---	46	---	---	2	44	---
4	18,391	18,299	---	---	92	---	18,322	18,299	---	---	23	---
3	---	---	---	---	---	---	150	---	---	---	150	---
2	310	---	---	---	310	---	128	---	---	---	128	---
										<b>Total trips:</b>		<b>38,604</b>

**COOS BAY, OR**

	Inbound						Outbound					
<b>Grand Total</b>	<b>1,282</b>	<b>58</b>	---	<b>951</b>	<b>273</b>	---	<b>1,270</b>	<b>53</b>	---	<b>940</b>	<b>276</b>	<b>1</b>
<b>FOREIGN</b>												
<b>Total</b>	<b>84</b>	<b>58</b>	---	<b>15</b>	<b>11</b>	---	<b>69</b>	<b>53</b>	---	<b>4</b>	<b>11</b>	<b>1</b>
38	---	---	---	---	---	---	6	6	---	---	---	---
37	---	---	---	---	---	---	9	9	---	---	---	---
36	---	---	---	---	---	---	5	5	---	---	---	---
35	---	---	---	---	---	---	10	10	---	---	---	---
34	---	---	---	---	---	---	6	6	---	---	---	---
33	---	---	---	---	---	---	8	8	---	---	---	---
32	---	---	---	---	---	---	1	1	---	---	---	---
31	1	1	---	---	---	---	1	1	---	---	---	---
29	1	1	---	---	---	---	2	2	---	---	---	---
28	1	1	---	---	---	---	---	---	---	---	---	---
27	2	2	---	---	---	---	---	---	---	---	---	---
26	5	5	---	---	---	---	---	---	---	---	---	---
25	18	18	---	---	---	---	2	2	---	---	---	---

Trips and Drafts of Vessels, 2016  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
<b>COOS BAY, OR - continued</b>												
	Inbound						Outbound					
FOREIGN												
24	3	3	—	—	—	—	—	—	—	—	—	—
23	3	3	—	—	—	—	—	—	—	—	—	—
22	9	9	—	—	—	—	—	—	—	—	—	—
21	2	2	—	—	—	—	—	—	—	—	—	—
19	16	7	—	—	9	—	—	—	—	—	—	—
17	—	—	—	—	—	—	1	—	—	1	—	—
16	4	2	—	2	—	—	1	—	—	1	—	—
15	1	1	—	—	—	—	1	—	—	—	1	—
14	2	2	—	—	—	—	—	—	—	—	—	—
≤ 12	16	1	—	13	2	—	16	3	—	2	10	1
DOMESTIC												
<b>Total</b>	<b>1,198</b>	—	—	<b>936</b>	<b>262</b>	—	<b>1,201</b>	—	—	<b>936</b>	<b>265</b>	—
16	7	—	—	7	—	—	7	—	—	7	—	—
15	3	—	—	3	—	—	4	—	—	4	—	—
14	3	—	—	3	—	—	6	—	—	3	3	—
13	198	—	—	198	—	—	200	—	—	199	1	—
≤ 12	987	—	—	725	262	—	984	—	—	723	261	—
										<b>Total trips:</b>		<b>2,552</b>
<b>COLUMBIA RIVER SYSTEM</b>												
	Upbound						Downbound					
<b>Grand Total</b>	<b>37,986</b>	<b>26,702</b>	<b>74</b>	<b>6,056</b>	<b>4,313</b>	<b>841</b>	<b>36,957</b>	<b>26,279</b>	<b>71</b>	<b>6,051</b>	<b>4,312</b>	<b>244</b>
FOREIGN												
<b>Total</b>	<b>1,471</b>	<b>1,299</b>	<b>61</b>	<b>59</b>	<b>44</b>	<b>8</b>	<b>1,462</b>	<b>1,302</b>	<b>60</b>	<b>54</b>	<b>43</b>	<b>3</b>
43	1	1	—	—	—	—	284	284	—	—	—	—
42	3	3	—	—	—	—	64	64	—	—	—	—
41	—	—	—	—	—	—	70	70	—	—	—	—
40	6	5	1	—	—	—	56	56	—	—	—	—
39	4	4	—	—	—	—	26	25	1	—	—	—
38	6	5	1	—	—	—	27	27	—	—	—	—
37	10	7	3	—	—	—	30	29	1	—	—	—
36	17	14	3	—	—	—	51	51	—	—	—	—
35	20	15	5	—	—	—	86	84	1	1	—	—
34	9	8	1	—	—	—	75	74	1	—	—	—
33	46	38	8	—	—	—	65	62	3	—	—	—
32	48	45	3	—	—	—	55	52	3	—	—	—
31	61	49	12	—	—	—	42	35	7	—	—	—
30	76	73	3	—	—	—	60	59	1	—	—	—
29	61	58	3	—	—	—	68	60	8	—	—	—
28	43	41	—	—	—	2	59	51	8	—	—	—
27	54	50	2	1	—	1	55	51	4	—	—	—
26	45	42	1	1	—	1	43	38	5	—	—	—
25	44	43	1	—	—	—	34	29	5	—	—	—
24	69	64	5	—	—	—	25	24	1	—	—	—
23	311	306	5	—	—	—	19	17	2	—	—	—
22	171	169	1	1	—	—	17	15	2	—	—	—
21	204	151	2	34	17	—	52	13	5	34	—	—
20	64	47	—	—	17	—	20	19	1	—	—	—
19	40	36	1	—	3	—	2	1	1	—	—	—
18	18	16	—	2	—	—	5	3	—	2	—	—
17	4	2	—	2	—	—	2	1	—	—	—	1
16	8	1	—	4	2	1	4	2	—	2	—	—
15	11	1	—	9	1	—	13	1	—	11	1	—
14	4	1	—	1	2	—	3	1	—	1	1	—
13	3	1	—	1	—	1	2	1	—	1	—	—
12	4	1	—	2	—	1	1	—	—	1	—	—
11	—	—	—	—	—	—	1	1	—	—	—	—
10	—	—	—	—	—	—	1	1	—	—	—	—
9	—	—	—	—	—	—	1	1	—	—	—	—
8	4	2	—	1	—	1	1	—	—	1	—	—
6	—	—	—	—	—	—	1	—	—	—	1	—
5	2	—	—	—	2	—	19	—	—	—	19	—
4	—	—	—	—	—	—	22	—	—	—	21	—
3	—	—	—	—	—	—	1	—	—	—	—	1

Trips and Drafts of Vessels, 2016  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

**COLUMBIA RIVER SYSTEM - continued**

Upbound

Downbound

**DOMESTIC**

<b>Total</b>	<b>36,515</b>	<b>25,403</b>	<b>13</b>	<b>5,997</b>	<b>4,269</b>	<b>833</b>	<b>35,495</b>	<b>24,977</b>	<b>11</b>	<b>5,997</b>	<b>4,269</b>	<b>241</b>
40	3	—	1	—	—	2	—	—	—	—	—	—
37	1	—	1	—	—	—	1	—	1	—	—	—
36	—	—	—	—	—	—	1	—	1	—	—	—
35	3	—	3	—	—	—	1	—	1	—	—	—
34	1	—	1	—	—	—	2	—	2	—	—	—
33	3	—	3	—	—	—	—	—	—	—	—	—
30	4	—	—	—	—	4	—	—	—	—	—	—
29	1	—	—	—	—	1	—	—	—	—	—	—
28	2	—	—	—	—	2	—	—	—	—	—	—
27	15	—	—	—	—	15	4	—	—	—	—	4
26	8	—	3	—	—	5	1	—	1	—	—	—
25	4	—	—	—	—	4	—	—	—	—	—	—
24	13	—	—	—	—	13	7	—	—	—	—	7
23	1	—	—	—	—	1	—	—	—	—	—	—
22	2	—	—	—	—	2	—	—	—	—	—	—
21	2	—	—	—	—	2	—	—	—	—	—	—
20	7	—	—	1	—	6	3	—	—	1	—	2
19	3	—	—	—	—	3	3	—	—	—	2	1
18	114	—	—	—	111	3	18	—	—	—	16	2
17	72	—	—	—	59	13	48	—	—	—	47	1
16	254	—	—	56	198	—	275	—	—	59	216	—
15	224	—	—	20	176	28	161	—	—	6	155	—
14	110	—	—	35	68	7	124	—	—	29	94	1
13	420	—	—	60	268	92	203	—	—	62	141	—
12	118	—	—	19	62	37	56	—	—	17	39	—
11	1,557	—	—	1,065	485	7	624	—	—	564	59	1
10	152	—	—	57	72	23	3,164	—	—	3,048	116	—
9	1,466	—	—	1,113	317	36	648	—	1	530	117	—
8	672	—	—	210	371	91	223	—	—	127	79	17
7	484	—	1	281	146	56	264	—	4	235	25	—
6	1,660	—	—	1,577	32	51	784	—	—	630	154	—
5	954	—	—	832	81	41	314	—	—	262	49	3
4	24,949	24,086	—	167	538	158	24,620	24,086	—	144	320	70
3	2,562	1,317	—	504	628	113	3,733	891	—	283	2,434	125
2	673	—	—	—	656	17	213	—	—	—	206	7
1	1	—	—	—	1	—	—	—	—	—	—	—
										<b>Total trips:</b>		<b>74,943</b>

**ALSEA BAY AND RIVER, OR**  
No Vessel Trips Reported

**CHETCO RIVER, OR**  
No Vessel Trips Reported

**CHINOOK CHANNEL, WA**  
No Vessel Trips Reported

**CLATSKANIE RIVER, OR**  
(11 feet and less)

Upbound

Downbound

<b>Grand Total</b>	<b>18</b>	<b>—</b>	<b>—</b>	<b>18</b>	<b>—</b>	<b>—</b>	<b>18</b>	<b>—</b>	<b>—</b>	<b>18</b>	<b>—</b>	<b>—</b>
										<b>Total trips:</b>		<b>36</b>

**COLUMBIA RIVER AT BAKERS BAY, WA**  
(9 feet and less)

Upbound

Downbound

<b>Grand Total</b>	<b>984</b>	<b>773</b>	<b>—</b>	<b>3</b>	<b>208</b>	<b>—</b>	<b>984</b>	<b>773</b>	<b>—</b>	<b>3</b>	<b>208</b>	<b>—</b>
										<b>Total trips:</b>		<b>1,968</b>

Trips and Drafts of Vessels, 2016  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
<b>COLUMBIA SLOUGH, OR</b> No Vessel Trips Reported												
<b>COOS AND MILLICOMA RIVERS, OR</b> No Vessel Trips Reported												
<b>COQUILLE RIVER, OR</b> No Vessel Trips Reported												
<b>COWLITZ RIVER, WA</b> No Vessel Trips Reported												
<b>DEEP RIVER, WA</b> No Vessel Trips Reported												
<b>DEPOE BAY, OR</b> No Vessel Trips Reported												
<b>ELOKOMIN SLOUGH, WA</b> No Vessel Trips Reported												
<b>GRAYS RIVER, WA</b> No Vessel Trips Reported												
<b>LAKE RIVER, WA</b> No Vessel Trips Reported												
<b>LEWIS RIVER, WA</b> No Vessel Trips Reported												
<b>PORT OF ST. HELENS, OR</b> No Vessel Trips Reported												
<b>PORT ORFORD, OR</b> No Vessel Trips Reported												
<b>ROGUE RIVER, OR</b> No Vessel Trips Reported												
<b>SIUSLAW RIVER, OR</b> No Vessel Trips Reported												
<b>SKAMOKAWA (STEAMBOAT) SLOUGH, WA</b> No Vessel Trips Reported												
<b>SKAMOKAWA CREEK, WA</b> No Vessel Trips Reported												
<b>SKIPANON CHANNEL, OR</b> (13 feet and less)												
				Upbound						Downbound		
<b>Grand Total</b>	25	—	—	14	11	—	28	—	—	14	14	—
										<b>Total trips:</b>		<b>53</b>
<b>SMITH RIVER, OR</b> No Vessel Trips Reported												



Trips and Drafts of Vessels, 2016  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
<b>TILLAMOOK BAY AND BAR, OR</b> No Vessel Trips Reported												
<b>UMPQUA RIVER, OR</b> (15 feet and less)												
				Upbound						Downbound		
<b>Grand Total</b>	1	---	---	1	---	---	2	---	---	2	---	---
										<b>Total trips:</b>	---	3
<b>WESTPORT SLOUGH, OR</b> (4 feet and less)												
				Upbound						Downbound		
<b>Grand Total</b>	5,787	5,787	---	---	---	---	5,787	5,787	---	---	---	---
										<b>Total trips:</b>	---	11,574
<b>YAQUINA BAY AND HARBOR, OR</b> (20 feet and less)												
				Upbound						Downbound		
<b>Grand Total</b>	---	---	---	---	---	---	1	1	---	---	---	---
										<b>Total trips:</b>	---	1
<b>YAQUINA RIVER, OR</b> No Vessel Trips Reported												
<b>YOUNGS BAY AND YOUNGS RIVER, OR</b> No Vessel Trips Reported												

Trips and Drafts of Vessels, 2016  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
<b>GRAYS HARBOR AND CHEHALIS RIVER, WA</b>												
	Inbound						Outbound					
<b>Grand Total</b>	<b>451</b>	<b>385</b>	<b>18</b>	<b>21</b>	<b>27</b>	<b>—</b>	<b>461</b>	<b>383</b>	<b>17</b>	<b>31</b>	<b>30</b>	<b>—</b>
FOREIGN												
<b>Total</b>	<b>110</b>	<b>79</b>	<b>18</b>	<b>3</b>	<b>10</b>	<b>—</b>	<b>119</b>	<b>78</b>	<b>17</b>	<b>12</b>	<b>12</b>	<b>—</b>
39	2	—	2	—	—	—	11	10	1	—	—	—
38	—	—	—	—	—	—	7	7	—	—	—	—
37	—	—	—	—	—	—	7	7	—	—	—	—
36	2	2	—	—	—	—	—	—	—	—	—	—
35	—	—	—	—	—	—	2	2	—	—	—	—
34	1	—	1	—	—	—	5	2	3	—	—	—
33	1	—	1	—	—	—	4	4	—	—	—	—
32	6	5	1	—	—	—	1	1	—	—	—	—
31	—	—	—	—	—	—	2	2	—	—	—	—
30	—	—	—	—	—	—	14	12	2	—	—	—
29	8	3	5	—	—	—	11	9	2	—	—	—
28	3	2	1	—	—	—	11	11	—	—	—	—
27	11	9	2	—	—	—	12	8	4	—	—	—
26	6	5	1	—	—	—	1	1	—	—	—	—
25	4	4	—	—	—	—	2	1	1	—	—	—
24	3	2	1	—	—	—	3	1	2	—	—	—
23	5	4	1	—	—	—	—	—	—	—	—	—
22	7	7	—	—	—	—	—	—	—	—	—	—
21	11	11	—	—	—	—	—	—	—	—	—	—
20	20	20	—	—	—	—	1	—	1	—	—	—
19	5	2	2	—	1	—	—	—	—	—	—	—
18	1	1	—	—	—	—	1	—	1	—	—	—
14	—	—	—	—	—	—	3	—	—	—	3	—
13	2	2	—	—	—	—	—	—	—	—	—	—
≤ 12	12	—	—	3	9	—	21	—	—	12	9	—
DOMESTIC												
<b>Total</b>	<b>341</b>	<b>306</b>	<b>—</b>	<b>18</b>	<b>17</b>	<b>—</b>	<b>342</b>	<b>305</b>	<b>—</b>	<b>19</b>	<b>18</b>	<b>—</b>
16	13	—	—	13	—	—	14	—	—	14	—	—
13	3	—	—	3	—	—	6	—	—	3	3	—
≤ 12	325	306	—	2	17	—	322	305	—	2	15	—
											<b>Total trips:</b>	<b>912</b>
<b>PORT ANGELES HARBOR, WA</b>												
	Inbound						Outbound					
<b>Grand Total</b>	<b>575</b>	<b>28</b>	<b>17</b>	<b>428</b>	<b>74</b>	<b>28</b>	<b>561</b>	<b>31</b>	<b>5</b>	<b>419</b>	<b>74</b>	<b>32</b>
FOREIGN												
<b>Total</b>	<b>60</b>	<b>28</b>	<b>16</b>	<b>11</b>	<b>3</b>	<b>2</b>	<b>70</b>	<b>31</b>	<b>4</b>	<b>21</b>	<b>4</b>	<b>10</b>
43	—	—	—	—	—	—	1	1	—	—	—	—
41	1	—	1	—	—	—	—	3	1	—	—	—
39	—	—	—	—	—	—	4	3	—	—	—	—
38	—	—	—	—	—	—	3	3	—	—	—	—
37	—	—	—	—	—	—	1	1	—	—	—	—
36	—	—	—	—	—	—	2	1	1	—	—	—
35	—	—	—	—	—	—	2	2	—	—	—	—
34	—	—	—	—	—	—	5	5	—	—	—	—
32	1	1	—	—	—	—	2	2	—	—	—	—
31	1	1	—	—	—	—	—	—	—	—	—	—
30	3	1	2	—	—	—	1	—	—	—	—	1
28	5	—	5	—	—	—	—	—	—	—	—	—
27	2	—	2	—	—	—	2	—	2	—	—	—
26	2	—	2	—	—	—	—	—	—	—	—	—
25	4	2	2	—	—	—	1	1	—	—	—	—
24	1	—	1	—	—	—	—	—	—	—	—	—
22	4	4	—	—	—	—	3	3	—	—	—	—
21	1	1	—	—	—	—	1	1	—	—	—	—
20	1	1	—	—	—	—	—	—	—	—	—	—
19	10	7	—	—	—	—	—	—	—	—	—	—
≤ 18	24	7	1	11	3	2	42	8	—	21	4	9

Trips and Drafts of Vessels, 2016  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

**PORT ANGELES HARBOR, WA - continued**  
Inbound

Outbound

DOMESTIC

<b>Total</b>	515	---	1	417	71	26	491	---	1	398	70	22
36	1	---	1	---	---	---	---	---	---	---	---	---
22	7	---	---	7	---	---	8	---	---	8	---	---
19	80	---	---	80	---	---	77	---	---	77	---	---
≤ 18	427	---	---	330	71	26	406	---	1	313	70	22
										<b>Total trips:</b>		<b>1,136</b>

**HAMMERSLEY INLET, WA**

Upbound

Downbound

<b>Grand Total</b>	347	---	---	104	223	20	344	---	---	102	222	20
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DOMESTIC

<b>Total</b>	347	---	---	104	223	20	344	---	---	102	222	20
13	69	---	---	8	61	---	117	---	---	8	109	---
12	45	---	---	---	45	---	20	---	---	---	---	20
10	83	---	---	76	7	---	82	---	---	75	7	---
8	20	---	---	20	---	---	19	---	---	19	---	---
≤ 6	130	---	---	---	110	20	106	---	---	---	106	---
										<b>Total trips:</b>		<b>691</b>

**OLYMPIA HARBOR, WA**

Inbound

Outbound

<b>Grand Total</b>	56	27	---	29	---	---	65	30	---	34	1	---
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FOREIGN

<b>Total</b>	27	27	---	---	---	---	32	30	---	1	1	---
34	1	1	---	---	---	---	12	12	---	---	---	---
32	1	1	---	---	---	---	3	3	---	---	---	---
31	---	---	---	---	---	---	1	1	---	---	---	---
30	1	1	---	---	---	---	1	1	---	---	---	---
29	---	---	---	---	---	---	1	1	---	---	---	---
27	---	---	---	---	---	---	1	1	---	---	---	---
25	10	10	---	---	---	---	3	3	---	---	---	---
24	---	---	---	---	---	---	1	1	---	---	---	---
23	1	1	---	---	---	---	3	3	---	---	---	---
22	3	3	---	---	---	---	2	2	---	---	---	---
21	3	3	---	---	---	---	---	---	---	---	---	---
20	6	6	---	---	---	---	1	1	---	---	---	---
19	1	1	---	---	---	---	1	1	---	---	---	---
≤ 18	---	---	---	---	---	---	2	---	---	1	1	---

DOMESTIC

<b>Total</b>	29	---	---	29	---	---	33	---	---	33	---	---
≤ 18	29	---	---	29	---	---	33	---	---	33	---	---
										<b>Total trips:</b>		<b>121</b>

**TACOMA HARBOR, WA**

Inbound

Outbound

<b>Grand Total</b>	6,255	1,016	2	3,918	615	704	6,215	971	2	3,921	615	706
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FOREIGN

<b>Total</b>	1,208	833	---	188	92	95	1,155	779	---	182	101	93
47	---	---	---	---	---	---	1	1	---	---	---	---
46	---	---	---	---	---	---	15	15	---	---	---	---
45	---	---	---	---	---	---	29	29	---	---	---	---

Trips and Drafts of Vessels, 2016  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
<b>TACOMA HARBOR, WA - continued</b>												
	Inbound						Outbound					
<b>FOREIGN</b>												
44	2	2	—	—	—	—	9	9	—	—	—	—
43	4	4	—	—	—	—	20	20	—	—	—	—
42	12	12	—	—	—	—	39	39	—	—	—	—
41	26	26	—	—	—	—	22	22	—	—	—	—
40	35	35	—	—	—	—	78	78	—	—	—	—
39	30	30	—	—	—	—	17	17	—	—	—	—
38	30	30	—	—	—	—	26	26	—	—	—	—
37	20	20	—	—	—	—	17	17	—	—	—	—
36	40	40	—	—	—	—	36	36	—	—	—	—
35	30	30	—	—	—	—	24	24	—	—	—	—
34	24	24	—	—	—	—	14	14	—	—	—	—
33	70	70	—	—	—	—	23	23	—	—	—	—
32	275	275	—	—	—	—	12	12	—	—	—	—
31	16	16	—	—	—	—	10	10	—	—	—	—
30	25	25	—	—	—	—	230	230	—	—	—	—
29	30	30	—	—	—	—	31	31	—	—	—	—
28	30	30	—	—	—	—	38	38	—	—	—	—
27	14	14	—	—	—	—	31	31	—	—	—	—
26	9	9	—	—	—	—	19	19	—	—	—	—
25	7	7	—	—	—	—	14	14	—	—	—	—
24	10	7	—	—	—	3	9	9	—	—	—	—
23	16	7	—	—	—	9	3	3	—	—	—	—
22	10	8	—	—	—	2	4	4	—	—	—	—
21	8	7	—	—	—	1	1	1	—	—	—	—
20	64	64	—	—	—	—	3	3	—	—	—	—
19	5	4	—	—	—	1	—	—	—	—	—	—
18	27	1	—	—	—	26	4	1	—	—	—	3
17	1	—	—	—	—	1	4	1	—	2	—	1
16	54	—	—	2	51	1	5	—	—	—	3	2
15	32	—	—	28	4	—	20	—	—	20	—	—
14	96	—	—	42	20	34	87	—	—	45	29	13
13	1	—	—	1	—	—	—	—	—	—	—	—
≤ 12	155	6	—	115	17	17	260	2	—	115	69	74
<b>DOMESTIC</b>												
<b>Total</b>	<b>5,047</b>	<b>183</b>	<b>2</b>	<b>3,730</b>	<b>523</b>	<b>609</b>	<b>5,060</b>	<b>192</b>	<b>2</b>	<b>3,739</b>	<b>514</b>	<b>613</b>
40	—	—	—	—	—	—	1	—	—	—	—	1
34	1	—	1	—	—	—	—	—	—	—	—	—
33	2	1	1	—	—	—	10	10	—	—	—	—
32	4	4	—	—	—	—	27	27	—	—	—	—
31	1	1	—	—	—	—	21	19	2	—	—	—
30	6	6	—	—	—	—	10	10	—	—	—	—
29	24	24	—	—	—	—	6	6	—	—	—	—
28	17	17	—	—	—	—	2	2	—	—	—	—
27	12	8	—	—	—	4	6	5	—	—	—	1
26	6	5	—	—	—	1	19	2	—	—	—	17
25	99	99	—	—	—	—	98	98	—	—	—	—
24	7	1	—	—	—	6	18	3	—	—	—	15
23	1	1	—	—	—	—	1	1	—	—	—	—
22	7	2	—	3	—	2	3	—	—	2	—	1
21	3	—	—	—	—	3	—	—	—	—	—	—
20	7	2	—	—	—	5	4	—	—	—	—	4
19	19	—	—	18	—	1	20	—	—	19	—	1
18	20	1	—	18	—	1	20	—	—	19	—	1
17	185	4	—	181	—	—	184	3	—	181	—	—
16	38	4	—	18	—	16	22	3	—	17	—	2
15	64	2	—	39	—	23	47	—	—	41	—	6
14	506	1	—	486	—	19	508	2	—	483	14	9
13	80	—	—	34	—	46	67	—	—	42	—	25
≤ 12	3,938	—	—	2,933	523	482	3,966	1	—	2,935	500	530
<b>Total trips:</b>											<b>12,470</b>	

Trips and Drafts of Vessels, 2016  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

**SEATTLE HARBOR, WA**

	Inbound						Outbound					
<b>Grand Total</b>	<b>5,733</b>	<b>841</b>	<b>16</b>	<b>3,060</b>	<b>1,284</b>	<b>532</b>	<b>5,848</b>	<b>946</b>	<b>15</b>	<b>3,047</b>	<b>1,313</b>	<b>527</b>

FOREIGN

<b>Total</b>	<b>1,558</b>	<b>637</b>	<b>9</b>	<b>491</b>	<b>343</b>	<b>78</b>	<b>1,630</b>	<b>731</b>	<b>10</b>	<b>482</b>	<b>339</b>	<b>68</b>
46	3	3	—	—	—	—	6	5	1	—	—	—
44	—	—	—	—	—	—	3	3	—	—	—	—
43	3	3	—	—	—	—	2	2	—	—	—	—
42	2	2	—	—	—	—	3	2	1	—	—	—
41	3	2	1	—	—	—	6	6	—	—	—	—
40	2	2	—	—	—	—	57	57	—	—	—	—
39	3	2	1	—	—	—	5	5	—	—	—	—
38	2	2	—	—	—	—	3	3	—	—	—	—
37	3	3	—	—	—	—	5	5	—	—	—	—
36	6	6	—	—	—	—	6	6	—	—	—	—
35	14	13	1	—	—	—	5	5	—	—	—	—
34	9	9	—	—	—	—	5	4	1	—	—	—
33	18	18	—	—	—	—	40	40	—	—	—	—
32	257	253	4	—	—	—	5	5	—	—	—	—
31	8	8	—	—	—	—	4	4	—	—	—	—
30	30	29	—	—	—	1	338	332	6	—	—	—
29	63	63	—	—	—	—	62	62	—	—	—	—
28	42	41	—	1	—	—	46	46	—	—	—	—
27	51	51	—	—	—	—	50	50	—	—	—	—
26	2	2	—	—	—	—	6	6	—	—	—	—
25	8	7	1	—	—	—	4	4	—	—	—	—
24	25	25	—	—	—	—	23	23	—	—	—	—
23	5	4	1	—	—	—	8	7	1	—	—	—
22	59	3	—	1	55	—	2	2	—	—	—	—
21	5	3	—	1	—	1	5	4	—	—	—	1
20	69	68	—	—	1	—	12	12	—	—	—	—
19	2	1	—	1	—	—	15	13	—	2	—	—
≤ 18	864	14	—	487	287	76	904	18	—	480	339	67

DOMESTIC

<b>Total</b>	<b>4,175</b>	<b>204</b>	<b>7</b>	<b>2,569</b>	<b>941</b>	<b>454</b>	<b>4,218</b>	<b>215</b>	<b>5</b>	<b>2,565</b>	<b>974</b>	<b>459</b>
40	2	—	—	—	—	2	1	—	—	—	—	1
38	—	—	—	—	—	—	1	1	—	—	—	—
37	—	—	—	—	—	—	1	1	—	—	—	—
36	1	1	—	—	—	—	3	3	—	—	—	—
34	—	—	—	—	—	—	3	3	—	—	—	—
33	—	—	—	—	—	—	11	11	—	—	—	—
32	2	2	—	—	—	—	13	13	—	—	—	—
31	2	2	—	—	—	—	5	5	—	—	—	—
30	9	6	1	—	—	2	4	4	—	—	—	—
29	6	6	—	—	—	—	5	5	—	—	—	—
28	14	13	—	—	—	1	1	1	—	—	—	—
27	13	7	—	—	—	6	4	4	—	—	—	—
26	10	7	1	—	—	2	2	1	1	—	—	—
25	5	2	—	—	—	3	—	—	—	—	—	—
24	2	—	—	—	—	2	1	1	—	—	—	—
23	4	1	2	—	—	1	—	—	—	—	—	—
22	14	—	—	13	—	1	10	—	—	10	—	—
21	5	—	—	—	—	5	—	—	—	—	—	—
20	96	—	—	96	—	—	100	—	—	99	—	1
19	75	—	—	75	—	—	74	—	—	74	—	—
≤ 18	3,915	157	3	2,385	941	429	3,979	162	4	2,382	974	457
										<b>Total trips:</b>	<b>974</b>	<b>11,581</b>

**LAKE WASHINGTON SHIP CANAL, WA**

	Upbound						Downbound					
<b>Grand Total</b>	<b>624</b>	<b>39</b>	<b>—</b>	<b>234</b>	<b>351</b>	<b>—</b>	<b>613</b>	<b>52</b>	<b>—</b>	<b>220</b>	<b>340</b>	<b>1</b>

FOREIGN

<b>Total</b>	<b>57</b>	<b>2</b>	<b>—</b>	<b>54</b>	<b>1</b>	<b>—</b>	<b>57</b>	<b>7</b>	<b>—</b>	<b>47</b>	<b>2</b>	<b>1</b>
21	1	1	—	—	—	—	—	—	—	—	—	—
20	1	1	—	—	—	—	—	—	—	—	—	—

Trips and Drafts of Vessels, 2016  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
<b>LAKE WASHINGTON SHIP CANAL, WA - continued</b>												
	Upbound						Downbound					
FOREIGN												
18	—	—	—	—	—	—	2	—	—	—	2	—
17	1	—	—	—	1	—	—	—	—	—	—	—
16	2	—	—	2	—	—	2	—	—	2	—	—
14	1	—	—	1	—	—	—	—	—	—	—	—
13	2	—	—	2	—	—	—	—	—	—	—	—
12	47	—	—	47	—	—	44	—	—	43	—	1
11	1	—	—	1	—	—	1	—	—	1	—	—
10	1	—	—	1	—	—	2	1	—	1	—	—
9	—	—	—	—	—	—	3	3	—	—	—	—
8	—	—	—	—	—	—	1	1	—	—	—	—
7	—	—	—	—	—	—	2	2	—	—	—	—
DOMESTIC												
<b>Total</b>	<b>567</b>	<b>37</b>	<b>—</b>	<b>180</b>	<b>350</b>	<b>—</b>	<b>556</b>	<b>45</b>	<b>—</b>	<b>173</b>	<b>338</b>	<b>—</b>
20	13	—	—	13	—	—	13	—	—	13	—	—
19	1	—	—	1	—	—	1	—	—	1	—	—
18	2	1	—	1	—	—	1	—	—	1	—	—
17	10	4	—	6	—	—	5	—	—	5	—	—
16	3	2	—	1	—	—	1	—	—	1	—	—
15	13	4	—	9	—	—	10	—	—	10	—	—
14	18	6	—	12	—	—	20	9	—	11	—	—
13	9	4	—	5	—	—	17	14	—	3	—	—
12	14	5	—	9	—	—	22	10	—	12	—	—
11	7	2	—	5	—	—	24	4	—	5	15	—
10	229	8	—	112	109	—	220	8	—	104	108	—
9	2	1	—	1	—	—	9	—	—	1	8	—
8	8	—	—	4	4	—	21	—	—	3	18	—
7	68	—	—	1	67	—	1	—	—	1	—	—
6	4	—	—	—	4	—	2	—	—	—	2	—
4	1	—	—	—	1	—	—	—	—	—	—	—
3	155	—	—	—	155	—	156	—	—	2	154	—
2	10	—	—	—	10	—	33	—	—	—	33	—
											<b>Total trips:</b>	<b>1,237</b>

<b>EVERETT HARBOR AND SNOHOMISH RIVER, WA</b>												
Grand Total	Inbound						Outbound					
	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
<b>Grand Total</b>	<b>1,348</b>	<b>376</b>	<b>—</b>	<b>661</b>	<b>306</b>	<b>5</b>	<b>1,313</b>	<b>330</b>	<b>—</b>	<b>665</b>	<b>316</b>	<b>2</b>
FOREIGN												
<b>Total</b>	<b>115</b>	<b>80</b>	<b>—</b>	<b>25</b>	<b>5</b>	<b>5</b>	<b>89</b>	<b>32</b>	<b>—</b>	<b>41</b>	<b>14</b>	<b>2</b>
39	1	1	—	—	—	—	—	—	—	—	—	—
36	1	1	—	—	—	—	—	—	—	—	—	—
35	—	—	—	—	—	—	1	1	—	—	—	—
34	—	—	—	—	—	—	1	1	—	—	—	—
33	2	2	—	—	—	—	—	—	—	—	—	—
32	13	13	—	—	—	—	—	—	—	—	—	—
31	8	8	—	—	—	—	1	1	—	—	—	—
30	19	19	—	—	—	—	8	8	—	—	—	—
29	7	7	—	—	—	—	3	3	—	—	—	—
28	7	7	—	—	—	—	1	1	—	—	—	—
27	2	2	—	—	—	—	1	1	—	—	—	—
26	2	2	—	—	—	—	5	5	—	—	—	—
25	2	2	—	—	—	—	1	1	—	—	—	—
24	6	6	—	—	—	—	3	3	—	—	—	—
22	2	2	—	—	—	—	—	—	—	—	—	—
21	2	2	—	—	—	—	2	2	—	—	—	—
20	2	2	—	—	—	—	1	1	—	—	—	—
19	3	3	—	—	—	—	—	—	—	—	—	—
≤ 18	36	1	—	25	5	5	61	4	—	41	14	2
DOMESTIC												
<b>Total</b>	<b>1,233</b>	<b>296</b>	<b>—</b>	<b>636</b>	<b>301</b>	<b>—</b>	<b>1,224</b>	<b>298</b>	<b>—</b>	<b>624</b>	<b>302</b>	<b>—</b>
22	2	—	—	2	—	—	1	—	—	1	—	—
19	7	—	—	7	—	—	8	—	—	8	—	—
≤ 18	1,224	296	—	627	301	—	1,215	298	—	615	302	—
											<b>Total trips:</b>	<b>2,661</b>

Trips and Drafts of Vessels, 2016  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels		
	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	
<b>ANACORTES HARBOR, WA</b>													
			Inbound						Outbound				
<b>Grand Total</b>	<b>2,287</b>	<b>463</b>	<b>205</b>	<b>1,370</b>	<b>23</b>	<b>226</b>	<b>2,296</b>	<b>466</b>	<b>189</b>	<b>1,375</b>	<b>18</b>	<b>248</b>	
<b>FOREIGN</b>													
<b>Total</b>	<b>267</b>	<b>18</b>	<b>83</b>	<b>90</b>	<b>21</b>	<b>55</b>	<b>281</b>	<b>19</b>	<b>89</b>	<b>89</b>	<b>16</b>	<b>68</b>	
50	—	—	—	—	—	—	1	—	1	—	—	—	
47	—	—	—	—	—	—	2	—	2	—	—	—	
46	—	—	—	—	—	—	1	—	1	—	—	—	
41	2	—	2	—	—	—	—	—	—	—	—	—	
40	2	—	2	—	—	—	7	—	7	—	—	—	
39	1	—	1	—	—	—	4	—	4	—	—	—	
38	—	—	—	—	—	—	1	—	1	—	—	—	
37	—	—	—	—	—	—	7	—	7	—	—	—	
36	—	—	—	—	—	—	5	1	4	—	—	—	
35	1	—	1	—	—	—	10	3	7	—	—	—	
34	—	—	—	—	—	—	5	2	3	—	—	—	
33	—	—	—	—	—	—	1	1	—	—	—	—	
32	1	—	1	—	—	—	3	1	2	—	—	—	
31	1	1	—	—	—	—	—	—	—	—	—	—	
30	7	2	3	1	—	1	7	1	4	—	—	2	
29	3	—	2	—	—	1	37	—	37	—	—	—	
28	10	1	9	—	—	—	4	2	1	—	—	1	
27	8	—	8	—	—	—	2	2	—	—	—	—	
26	2	1	1	—	—	—	5	1	3	—	—	1	
25	10	1	8	—	—	1	6	1	2	—	—	3	
24	40	—	39	—	—	1	2	—	2	—	—	—	
23	3	2	1	—	—	—	2	1	1	—	—	—	
22	5	—	3	1	—	1	1	—	—	1	—	—	
21	6	4	—	2	—	—	3	—	—	2	—	1	
20	3	—	—	2	—	1	—	—	—	—	—	—	
19	5	—	1	3	—	1	1	—	—	1	—	—	
≤ 18	157	6	1	81	21	48	164	3	—	85	16	60	
<b>DOMESTIC</b>													
<b>Total</b>	<b>2,020</b>	<b>445</b>	<b>122</b>	<b>1,280</b>	<b>2</b>	<b>171</b>	<b>2,015</b>	<b>447</b>	<b>100</b>	<b>1,286</b>	<b>2</b>	<b>180</b>	
44	1	—	1	—	—	—	—	—	—	—	—	—	
43	2	—	2	—	—	—	—	—	—	—	—	—	
42	2	—	2	—	—	—	—	—	—	—	—	—	
41	7	—	7	—	—	—	—	—	—	—	—	—	
40	14	—	14	—	—	—	—	—	—	—	—	—	
39	11	—	11	—	—	—	3	—	3	—	—	—	
38	5	—	5	—	—	—	1	—	1	—	—	—	
37	4	—	4	—	—	—	1	—	1	—	—	—	
36	11	—	11	—	—	—	4	—	4	—	—	—	
35	11	—	11	—	—	—	—	—	—	—	—	—	
34	7	—	7	—	—	—	1	—	1	—	—	—	
33	11	—	11	—	—	—	24	—	24	—	—	—	
32	5	—	5	—	—	—	3	—	3	—	—	—	
31	7	—	6	—	—	1	25	—	22	—	—	3	
30	3	—	3	—	—	—	10	—	8	—	—	2	
29	—	—	—	—	—	—	3	—	—	—	—	3	
28	—	—	—	—	—	—	1	—	—	—	—	1	
27	1	—	1	—	—	—	1	—	—	—	—	1	
26	10	—	4	—	—	6	8	—	6	—	—	2	
25	2	—	1	—	—	—	1	—	—	—	—	1	
24	4	—	1	—	—	3	4	—	2	—	—	2	
23	6	—	6	—	—	—	7	—	3	—	—	4	
22	52	—	—	52	—	—	54	—	—	52	—	2	
21	1	—	—	—	—	1	—	—	—	—	—	—	
20	10	—	—	—	—	10	6	—	—	—	—	6	
19	413	—	—	413	—	—	415	—	—	415	—	—	
≤ 18	1,420	445	9	815	2	149	1,443	447	22	819	2	153	
<b>Total trips:</b>											<b>2</b>	<b>4,583</b>	

Trips and Drafts of Vessels, 2016  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
<b>BELLINGHAM BAY AND HARBOR, WA</b> (30 feet and less)												
				Inbound						Outbound		
<b>Grand Total</b>	<b>423</b>	<b>200</b>	<b>---</b>	<b>221</b>	<b>2</b>	<b>---</b>	<b>380</b>	<b>158</b>	<b>---</b>	<b>218</b>	<b>4</b>	<b>---</b>
										<b>Total trips:</b>	<b>803</b>	
<b>BLAINE HARBOR, WA</b> No Vessel Trips Reported												
<b>COLUMBIA RIVER BETWEEN WENATCHEE AND KETTLE FALLS, WA</b> (6 feet and less)												
				Upbound						Downbound		
<b>Grand Total</b>	<b>27,086</b>	<b>27,086</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>27,086</b>	<b>27,086</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>
										<b>Total trips:</b>	<b>54,172</b>	
<b>FLATHEAD LAKE, MT</b> No Vessel Trips Reported												
<b>HOQUIAM RIVER, WA</b> No Vessel Trips Reported												
<b>KOOTENAI RIVER, ID AND MT</b> No Vessel Trips Reported												
<b>KOOTENAI RIVER, ID AND MT</b> No Vessel Trips Reported												
<b>NEAH BAY, WA</b> (17 feet and less)												
				Inbound						Outbound		
<b>Grand Total</b>	<b>20</b>	<b>---</b>	<b>---</b>	<b>20</b>	<b>---</b>	<b>---</b>	<b>21</b>	<b>---</b>	<b>---</b>	<b>21</b>	<b>---</b>	<b>---</b>
										<b>Total trips:</b>	<b>41</b>	
<b>PORT GAMBLE HARBOR, WA</b> (15 feet and less)												
				Inbound						Outbound		
<b>Grand Total</b>	<b>14</b>	<b>---</b>	<b>---</b>	<b>13</b>	<b>1</b>	<b>---</b>	<b>14</b>	<b>---</b>	<b>---</b>	<b>13</b>	<b>1</b>	<b>---</b>
										<b>Total trips:</b>	<b>28</b>	
<b>PORT TOWNSEND HARBOR, WA</b> (22 feet and less)												
				Inbound						Outbound		
<b>Grand Total</b>	<b>322</b>	<b>---</b>	<b>---</b>	<b>186</b>	<b>136</b>	<b>---</b>	<b>318</b>	<b>2</b>	<b>---</b>	<b>187</b>	<b>129</b>	<b>---</b>
										<b>Total trips:</b>	<b>640</b>	
<b>QUILLAYUTE RIVER, WA</b> (22 feet and less)												
				Upbound						Downbound		
<b>Grand Total</b>	<b>1</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>1</b>	<b>1</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>1</b>
										<b>Total trips:</b>	<b>2</b>	
<b>SKAGIT RIVER, WA</b> No Vessel Trips Reported												
<b>STILLAGUAMISH RIVER, WA</b> No Vessel Trips Reported												



Trips and Drafts of Vessels, 2016  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
<b>SWINOMISH CHANNEL, WA</b> (13 feet and less)												
				Upbound						Downbound		
<b>Grand Total</b>	<b>176</b>	<b>---</b>	<b>---</b>	<b>109</b>	<b>67</b>	<b>---</b>	<b>170</b>	<b>---</b>	<b>---</b>	<b>105</b>	<b>65</b>	<b>---</b>
										<b>Total trips:</b>		<b>346</b>
<b>WATERWAY CONNECTING PORT TOWNSEND BAY AND OAK BAY, WA</b> (19 feet and less)												
				Upbound						Downbound		
<b>Grand Total</b>	<b>24</b>	<b>---</b>	<b>---</b>	<b>21</b>	<b>3</b>	<b>---</b>	<b>5</b>	<b>---</b>	<b>---</b>	<b>5</b>	<b>---</b>	<b>---</b>
										<b>Total trips:</b>		<b>29</b>
<b>WILLAPA RIVER AND HARBOR, AND NASELLE RIVER, WA</b> No Vessel Trips Reported												
<b>OTHER PUGET SOUND AREA PORTS, WA</b> (55 feet and less)												
				Inbound						Outbound		
<b>Grand Total</b>	<b>47,228</b>	<b>44,192</b>	<b>206</b>	<b>1,906</b>	<b>511</b>	<b>413</b>	<b>47,263</b>	<b>44,172</b>	<b>202</b>	<b>1,919</b>	<b>509</b>	<b>461</b>
										<b>Total trips:</b>		<b>94,491</b>

Trips and Drafts of Vessels, 2016  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
<b>KETCHIKAN HARBOR, AK</b>												
	Inbound						Outbound					
<b>Grand Total</b>	<b>2,078</b>	<b>1,489</b>	---	<b>259</b>	<b>273</b>	<b>57</b>	<b>2,008</b>	<b>1,405</b>	---	<b>267</b>	<b>273</b>	<b>63</b>
FOREIGN												
<b>Total</b>	<b>504</b>	<b>488</b>	---	<b>9</b>	<b>5</b>	<b>2</b>	<b>509</b>	<b>484</b>	---	<b>13</b>	<b>10</b>	<b>2</b>
31	1	1	---	---	---	---	---	---	---	---	---	---
29	58	58	---	---	---	---	60	60	---	---	---	---
28	108	108	---	---	---	---	105	105	---	---	---	---
27	159	159	---	---	---	---	159	159	---	---	---	---
26	35	35	---	---	---	---	35	35	---	---	---	---
25	9	9	---	---	---	---	10	10	---	---	---	---
24	50	50	---	---	---	---	49	49	---	---	---	---
20	30	30	---	---	---	---	30	30	---	---	---	---
19	1	1	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	1	1	---	---	---	---
16	4	4	---	---	---	---	4	4	---	---	---	---
15	4	2	---	2	---	---	5	2	---	3	---	---
14	7	3	---	---	3	1	11	4	---	---	6	1
≤ 12	38	28	---	7	2	1	40	25	---	10	4	1
DOMESTIC												
<b>Total</b>	<b>1,574</b>	<b>1,001</b>	---	<b>250</b>	<b>268</b>	<b>55</b>	<b>1,499</b>	<b>921</b>	---	<b>254</b>	<b>263</b>	<b>61</b>
20	97	---	---	97	---	---	96	---	---	96	---	---
19	2	---	---	---	---	2	---	---	---	---	---	---
18	62	---	---	62	---	---	62	---	---	62	---	---
17	1	---	---	---	---	1	---	---	---	---	---	---
16	2	---	---	---	---	2	---	---	---	---	---	---
15	292	1	---	21	268	2	285	---	---	22	263	---
14	21	---	---	18	---	3	18	---	---	18	---	---
13	2	---	---	1	---	1	25	---	---	---	---	25
≤ 12	1,095	1,000	---	51	---	44	1,013	921	---	56	---	36
										<b>Total trips:</b>		<b>4,086</b>
<b>WRANGELL NARROWS, AK</b>												
	Upbound						Downbound					
<b>Grand Total</b>	<b>1,646</b>	<b>870</b>	---	<b>397</b>	<b>328</b>	<b>51</b>	<b>1,771</b>	<b>1,060</b>	---	<b>344</b>	<b>323</b>	<b>44</b>
FOREIGN												
<b>Total</b>	<b>9</b>	<b>9</b>	---	---	---	---	<b>12</b>	<b>12</b>	---	---	---	---
28	---	---	---	---	---	---	2	2	---	---	---	---
16	4	4	---	---	---	---	4	4	---	---	---	---
15	1	1	---	---	---	---	1	1	---	---	---	---
≤ 12	4	4	---	---	---	---	5	5	---	---	---	---
DOMESTIC												
<b>Total</b>	<b>1,637</b>	<b>861</b>	---	<b>397</b>	<b>328</b>	<b>51</b>	<b>1,759</b>	<b>1,048</b>	---	<b>344</b>	<b>323</b>	<b>44</b>
20	130	---	---	130	---	---	102	---	---	102	---	---
18	68	---	---	62	6	---	63	---	---	59	4	---
17	1	---	---	1	---	---	3	---	---	1	2	---
16	21	---	---	20	1	---	23	---	---	19	4	---
15	409	---	---	99	310	---	388	---	---	88	300	---
14	26	---	---	25	1	---	17	---	---	17	---	---
13	23	---	---	8	---	15	8	---	---	8	---	---
≤ 12	959	861	---	52	10	36	1,155	1,048	---	50	13	44
										<b>Total trips:</b>		<b>3,417</b>
<b>PETERSBURG HARBOR, AK</b>												
	Inbound						Outbound					
<b>Grand Total</b>	<b>1,041</b>	<b>520</b>	---	<b>254</b>	<b>256</b>	<b>11</b>	<b>1,067</b>	<b>543</b>	---	<b>255</b>	<b>258</b>	<b>11</b>
FOREIGN												
<b>Total</b>	<b>9</b>	<b>9</b>	---	---	---	---	<b>10</b>	<b>10</b>	---	---	---	---

Trips and Drafts of Vessels, 2016  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

**PETERSBURG HARBOR, AK - continued**

Inbound

Outbound

FOREIGN

16	4	4	—	—	—	—	4	4	—	—	—	—
15	1	1	—	—	—	—	1	1	—	—	—	—
≤ 12	4	4	—	—	—	—	5	5	—	—	—	—

DOMESTIC

<b>Total</b>	<b>1,032</b>	<b>511</b>	—	<b>254</b>	<b>256</b>	<b>11</b>	<b>1,057</b>	<b>533</b>	—	<b>255</b>	<b>258</b>	<b>11</b>
20	69	—	—	69	—	—	69	—	—	69	—	—
18	59	—	—	59	—	—	59	—	—	59	—	—
16	19	—	—	19	—	—	20	—	—	20	—	—
15	336	—	—	80	256	—	340	—	—	82	258	—
14	15	—	—	15	—	—	14	—	—	14	—	—
13	3	—	—	—	—	3	—	—	—	—	—	—
≤ 12	531	511	—	12	—	8	555	533	—	11	—	11

**Total trips: 2,108**

**JUNEAU HARBOR, AK**

Upbound

Downbound

<b>Grand Total</b>	<b>1,904</b>	<b>1,461</b>	—	<b>217</b>	<b>188</b>	<b>38</b>	<b>1,966</b>	<b>1,524</b>	—	<b>214</b>	<b>192</b>	<b>36</b>
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FOREIGN

<b>Total</b>	<b>476</b>	<b>476</b>	—	—	—	—	<b>480</b>	<b>474</b>	—	<b>3</b>	<b>1</b>	<b>2</b>
31	1	1	—	—	—	—	1	1	—	—	—	—
30	18	18	—	—	—	—	17	17	—	—	—	—
29	63	63	—	—	—	—	63	63	—	—	—	—
28	103	103	—	—	—	—	102	102	—	—	—	—
27	159	159	—	—	—	—	159	159	—	—	—	—
26	34	34	—	—	—	—	35	35	—	—	—	—
25	9	9	—	—	—	—	8	8	—	—	—	—
24	54	54	—	—	—	—	53	53	—	—	—	—
20	27	27	—	—	—	—	28	28	—	—	—	—
18	1	1	—	—	—	—	1	1	—	—	—	—
16	2	2	—	—	—	—	2	2	—	—	—	—
15	1	1	—	—	—	—	1	1	—	—	—	—
14	—	—	—	—	—	—	1	—	—	—	—	1
13	1	1	—	—	—	—	1	1	—	—	—	—
12	—	—	—	—	—	—	1	—	—	1	—	—
8	—	—	—	—	—	—	3	—	—	2	—	1
3	3	3	—	—	—	—	4	3	—	—	1	—

DOMESTIC

<b>Total</b>	<b>1,428</b>	<b>985</b>	—	<b>217</b>	<b>188</b>	<b>38</b>	<b>1,486</b>	<b>1,050</b>	—	<b>211</b>	<b>191</b>	<b>34</b>
20	70	—	—	70	—	—	70	—	—	70	—	—
18	59	—	—	59	—	—	59	—	—	59	—	—
16	1	—	—	—	—	1	—	—	—	—	—	—
15	206	—	—	25	181	—	204	—	—	23	181	—
14	14	—	—	13	1	—	15	—	—	15	—	—
13	15	—	—	8	—	7	8	—	—	8	—	—
12	2	—	—	2	—	—	4	—	—	2	—	2
11	1	—	—	—	—	1	—	—	—	—	—	—
10	18	—	—	18	—	—	20	—	—	18	—	2
9	2	—	—	1	—	1	2	—	—	2	—	—
8	988	985	—	—	—	3	1,056	1,050	—	—	2	4
7	25	—	—	21	1	3	15	—	—	13	—	2
6	1	—	—	—	1	—	6	—	—	1	1	4
5	7	—	—	—	—	7	9	—	—	—	—	9
4	7	—	—	—	1	6	4	—	—	—	1	3
3	11	—	—	—	2	9	12	—	—	—	4	8
2	1	—	—	—	1	—	2	—	—	2	—	—

**Total trips: 3,870**

Trips and Drafts of Vessels, 2016  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

**VALDEZ HARBOR, AK**

	Upbound						Downbound					
<b>Grand Total</b>	<b>521</b>	<b>230</b>	<b>154</b>	<b>52</b>	<b>35</b>	<b>50</b>	<b>615</b>	<b>233</b>	<b>251</b>	<b>48</b>	<b>31</b>	<b>52</b>

FOREIGN

<b>Total</b>	<b>7</b>	<b>—</b>	<b>4</b>	<b>2</b>	<b>—</b>	<b>1</b>	<b>4</b>	<b>—</b>	<b>4</b>	<b>—</b>	<b>—</b>	<b>—</b>
57	1	—	1	—	—	—	2	—	2	—	—	—
50	—	—	—	—	—	—	1	—	1	—	—	—
38	1	—	1	—	—	—	1	—	1	—	—	—
34	1	—	1	—	—	—	—	—	—	—	—	—
27	1	—	1	—	—	—	—	—	—	—	—	—
25	1	—	—	—	—	1	—	—	—	—	—	—
14	2	—	—	2	—	—	—	—	—	—	—	—

DOMESTIC

<b>Total</b>	<b>514</b>	<b>230</b>	<b>150</b>	<b>50</b>	<b>35</b>	<b>49</b>	<b>611</b>	<b>233</b>	<b>247</b>	<b>48</b>	<b>31</b>	<b>52</b>
61	—	—	—	—	—	—	3	—	3	—	—	—
60	—	—	—	—	—	—	16	—	16	—	—	—
59	—	—	—	—	—	—	2	—	2	—	—	—
58	—	—	—	—	—	—	2	—	2	—	—	—
57	—	—	—	—	—	—	1	—	1	—	—	—
56	—	—	—	—	—	—	5	—	5	—	—	—
55	—	—	—	—	—	—	3	—	3	—	—	—
54	—	—	—	—	—	—	6	—	6	—	—	—
53	—	—	—	—	—	—	50	—	50	—	—	—
52	—	—	—	—	—	—	1	—	1	—	—	—
51	—	—	—	—	—	—	2	—	2	—	—	—
50	—	—	—	—	—	—	1	—	1	—	—	—
49	—	—	—	—	—	—	2	—	2	—	—	—
48	—	—	—	—	—	—	1	—	1	—	—	—
47	—	—	—	—	—	—	21	—	21	—	—	—
46	—	—	—	—	—	—	6	—	6	—	—	—
45	—	—	—	—	—	—	1	—	1	—	—	—
44	—	—	—	—	—	—	2	—	2	—	—	—
43	—	—	—	—	—	—	15	—	15	—	—	—
42	—	—	—	—	—	—	10	—	10	—	—	—
41	—	—	—	—	—	—	12	—	12	—	—	—
39	—	—	—	—	—	—	18	—	18	—	—	—
38	—	—	—	—	—	—	1	—	1	—	—	—
36	—	—	—	—	—	—	5	—	5	—	—	—
35	—	—	—	—	—	—	29	—	29	—	—	—
33	—	—	—	—	—	—	4	—	4	—	—	—
31	45	—	45	—	—	—	8	—	8	—	—	—
29	1	—	1	—	—	—	—	—	—	—	—	—
26	11	—	11	—	—	—	1	—	1	—	—	—
24	1	—	1	—	—	—	1	—	1	—	—	—
23	1	—	1	—	—	—	18	—	17	—	—	1
21	—	—	—	—	—	—	11	—	—	—	—	11
20	—	—	—	—	—	—	3	—	—	—	—	3
19	—	—	—	—	—	—	13	—	—	—	—	13
18	—	—	—	—	—	—	6	—	—	—	—	6
17	1	—	1	—	—	—	2	—	—	—	—	2
16	—	—	—	—	—	—	3	—	—	—	—	3
15	31	—	—	—	31	—	34	—	—	—	31	3
14	—	—	—	—	—	—	2	—	—	—	—	2
13	24	—	24	—	—	—	—	—	—	—	—	—
≤ 12	399	230	66	50	4	49	290	233	1	48	—	8

**Total trips: 1,136**

**ANCHORAGE, AK**

	Inbound						Outbound					
<b>Grand Total</b>	<b>1,426</b>	<b>214</b>	<b>31</b>	<b>566</b>	<b>575</b>	<b>40</b>	<b>1,435</b>	<b>222</b>	<b>27</b>	<b>569</b>	<b>576</b>	<b>41</b>

FOREIGN

<b>Total</b>	<b>52</b>	<b>24</b>	<b>26</b>	<b>1</b>	<b>1</b>	<b>—</b>	<b>53</b>	<b>27</b>	<b>24</b>	<b>1</b>	<b>1</b>	<b>—</b>
38	7	—	7	—	—	—	5	—	5	—	—	—
37	3	—	3	—	—	—	1	—	1	—	—	—
36	8	—	8	—	—	—	6	—	6	—	—	—

Trips and Drafts of Vessels, 2016  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

**ANCHORAGE, AK - continued**

	Inbound						Outbound					
<b>FOREIGN</b>												
33	1	—	1	—	—	—	1	—	1	—	—	—
32	—	—	—	—	—	—	1	1	—	—	—	—
31	2	2	—	—	—	—	—	—	—	—	—	—
29	2	—	2	—	—	—	2	—	2	—	—	—
28	2	1	1	—	—	—	1	1	—	—	—	—
27	7	7	—	—	—	—	9	8	1	—	—	—
26	2	2	—	—	—	—	6	2	4	—	—	—
25	3	2	1	—	—	—	1	1	—	—	—	—
24	1	—	1	—	—	—	2	—	2	—	—	—
23	—	—	—	—	—	—	2	2	—	—	—	—
21	1	1	—	—	—	—	1	1	—	—	—	—
19	—	—	—	—	—	—	1	1	—	—	—	—
18	2	—	2	—	—	—	2	—	2	—	—	—
16	2	1	—	—	1	—	1	1	—	—	—	—
15	1	1	—	—	—	—	1	1	—	—	—	—
13	7	7	—	—	—	—	8	8	—	—	—	—
≤ 12	1	—	—	1	—	—	2	—	—	1	1	—

**DOMESTIC**

<b>Total</b>	<b>1,374</b>	<b>190</b>	<b>5</b>	<b>565</b>	<b>574</b>	<b>40</b>	<b>1,382</b>	<b>195</b>	<b>3</b>	<b>568</b>	<b>575</b>	<b>41</b>
35	1	1	—	—	—	—	—	—	—	—	—	—
34	1	1	—	—	—	—	—	—	—	—	—	—
33	7	7	—	—	—	—	—	—	—	—	—	—
32	21	20	1	—	—	—	2	2	—	—	—	—
31	18	16	2	—	—	—	1	1	—	—	—	—
30	14	14	—	—	—	—	13	13	—	—	—	—
29	8	8	—	—	—	—	29	29	—	—	—	—
28	5	5	—	—	—	—	25	25	—	—	—	—
27	1	1	—	—	—	—	6	6	—	—	—	—
26	4	3	1	—	—	—	7	6	1	—	—	—
25	100	100	—	—	—	—	100	100	—	—	—	—
24	4	4	—	—	—	—	—	—	—	—	—	—
23	2	2	—	—	—	—	1	1	—	—	—	—
21	10	—	—	—	—	10	—	—	—	—	—	—
20	3	—	—	—	—	3	—	—	—	—	—	—
19	11	—	—	—	—	11	—	—	—	—	—	—
18	14	—	—	—	8	6	9	1	—	—	8	—
17	4	3	—	—	—	1	6	5	—	—	1	—
16	5	3	—	—	2	—	5	2	—	—	3	—
15	4	—	—	—	1	3	—	—	—	—	—	—
14	4	2	—	—	2	—	3	2	—	—	1	—
13	3	—	—	—	3	—	—	—	—	—	—	—
≤ 12	1,130	—	1	565	558	6	1,175	2	2	568	562	41
										<b>Total trips:</b>		<b>2,861</b>

**KODIAK HARBOR, AK**

	Inbound						Outbound					
<b>Grand Total</b>	<b>383</b>	<b>328</b>	<b>—</b>	<b>25</b>	<b>—</b>	<b>30</b>	<b>366</b>	<b>311</b>	<b>—</b>	<b>26</b>	<b>—</b>	<b>29</b>

**FOREIGN**

<b>Total</b>	<b>6</b>	<b>6</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>8</b>	<b>8</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
33	2	2	—	—	—	—	2	2	—	—	—	—
32	1	1	—	—	—	—	1	1	—	—	—	—
31	1	1	—	—	—	—	2	2	—	—	—	—
27	—	—	—	—	—	—	1	1	—	—	—	—
26	2	2	—	—	—	—	—	—	—	—	—	—
24	—	—	—	—	—	—	1	1	—	—	—	—
20	—	—	—	—	—	—	1	1	—	—	—	—

**DOMESTIC**

<b>Total</b>	<b>377</b>	<b>322</b>	<b>—</b>	<b>25</b>	<b>—</b>	<b>30</b>	<b>358</b>	<b>303</b>	<b>—</b>	<b>26</b>	<b>—</b>	<b>29</b>
31	—	—	—	—	—	—	3	3	—	—	—	—
30	8	8	—	—	—	—	8	8	—	—	—	—
29	31	31	—	—	—	—	26	26	—	—	—	—
28	26	26	—	—	—	—	25	25	—	—	—	—

Trips and Drafts of Vessels, 2016  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
<b>KODIAK HARBOR, AK - continued</b>												
	Inbound						Outbound					
DOMESTIC												
27	3	3	—	—	—	—	5	5	—	—	—	—
26	5	5	—	—	—	—	2	2	—	—	—	—
25	3	3	—	—	—	—	6	6	—	—	—	—
24	1	1	—	—	—	—	2	2	—	—	—	—
23	1	—	—	—	—	1	—	—	—	—	—	—
21	1	—	—	—	—	1	1	1	—	—	—	—
20	1	1	—	—	—	—	—	—	—	—	—	—
19	2	1	—	—	—	1	1	1	—	—	—	—
18	2	2	—	—	—	—	—	—	—	—	—	—
17	7	6	—	—	—	1	2	2	—	—	—	—
16	5	3	—	—	—	2	2	2	—	—	—	—
14	2	2	—	—	—	—	2	2	—	—	—	—
13	3	—	—	—	—	3	—	—	—	—	—	—
12	1	—	—	—	—	1	—	—	—	—	—	—
11	1	—	—	—	—	1	—	—	—	—	—	—
8	230	230	—	—	—	—	218	218	—	—	—	—
7	25	—	—	25	—	—	26	—	26	—	—	—
6	2	—	—	—	—	2	—	—	—	—	—	—
5	4	—	—	—	—	4	8	—	—	—	—	8
4	13	—	—	—	—	13	21	—	—	—	—	21
										<b>Total trips:</b>		<b>749</b>

<b>UNALASKA ISLAND, ALASKA (INCLUDING DUTCH &amp; ILIULIUK HARBORS)</b>												
Grand Total	Upbound						Downbound					
	521	355	15	38	85	28	547	373	13	46	81	34
FOREIGN												
<b>Total</b>	<b>221</b>	<b>192</b>	<b>15</b>	<b>6</b>	<b>6</b>	<b>2</b>	<b>226</b>	<b>199</b>	<b>13</b>	<b>6</b>	<b>7</b>	<b>1</b>
42	1	—	1	—	—	—	1	—	1	—	—	—
39	2	—	2	—	—	—	—	—	—	—	—	—
38	—	—	—	—	—	—	2	2	—	—	—	—
37	6	6	—	—	—	—	6	5	1	—	—	—
36	3	3	—	—	—	—	17	14	3	—	—	—
35	17	17	—	—	—	—	26	26	—	—	—	—
34	11	11	—	—	—	—	5	5	—	—	—	—
33	10	9	1	—	—	—	4	3	1	—	—	—
32	4	3	1	—	—	—	3	3	—	—	—	—
31	6	6	—	—	—	—	6	6	—	—	—	—
30	2	2	—	—	—	—	9	9	—	—	—	—
29	9	8	1	—	—	—	12	11	1	—	—	—
28	5	4	1	—	—	—	4	4	—	—	—	—
27	10	8	2	—	—	—	14	14	—	—	—	—
26	4	3	1	—	—	—	4	3	1	—	—	—
25	13	13	—	—	—	—	12	12	—	—	—	—
24	11	10	1	—	—	—	11	10	1	—	—	—
23	12	12	—	—	—	—	12	12	—	—	—	—
22	9	9	—	—	—	—	17	16	1	—	—	—
21	3	3	—	—	—	—	5	4	1	—	—	—
20	5	5	—	—	—	—	2	2	—	—	—	—
19	6	6	—	—	—	—	6	5	—	1	—	—
18	5	3	2	—	—	—	6	4	2	—	—	—
17	10	10	—	—	—	—	6	5	—	—	1	—
16	16	16	—	—	—	—	7	7	—	—	—	—
15	7	7	—	—	—	—	6	5	—	1	—	—
14	2	—	1	1	—	—	1	—	—	1	—	—
13	10	10	—	—	—	—	6	6	—	—	—	—
12	12	7	—	2	2	1	7	2	—	2	2	1
11	6	1	1	3	—	1	1	1	—	—	—	—
10	—	—	—	—	—	—	6	2	—	1	3	—
9	2	—	—	—	2	—	1	1	—	—	—	—
8	—	—	—	—	—	—	1	—	—	—	1	—
5	2	—	—	—	2	—	—	—	—	—	—	—

Trips and Drafts of Vessels, 2016  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

**UNALASKA ISLAND, ALASKA (INCLUDING DUTCH & ILIULIUK HARBORS) - continued**

Upbound

Downbound

DOMESTIC

<b>Total</b>	<b>300</b>	<b>163</b>	<b>---</b>	<b>32</b>	<b>79</b>	<b>26</b>	<b>321</b>	<b>174</b>	<b>---</b>	<b>40</b>	<b>74</b>	<b>33</b>
31	1	1	---	---	---	---	---	---	---	---	---	---
30	8	8	---	---	---	---	5	5	---	---	---	---
29	11	11	---	---	---	---	8	8	---	---	---	---
28	13	13	---	---	---	---	13	13	---	---	---	---
27	3	3	---	---	---	---	7	7	---	---	---	---
26	3	3	---	---	---	---	2	2	---	---	---	---
25	---	---	---	---	---	---	1	1	---	---	---	---
21	1	1	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	1	1	---	---	---	---
19	1	1	---	---	---	---	1	1	---	---	---	---
18	19	1	---	---	18	---	16	1	---	---	15	---
17	8	6	---	---	2	---	10	7	---	---	3	---
16	9	4	---	---	5	---	13	8	---	---	5	---
15	9	3	---	---	6	---	11	10	---	---	---	1
14	15	12	---	---	2	1	22	19	---	---	3	---
13	26	26	---	---	---	---	28	28	---	---	---	---
12	64	18	---	1	45	---	62	13	---	1	47	1
11	15	13	---	---	---	2	16	16	---	---	---	---
10	29	27	---	2	---	---	23	22	---	1	---	---
9	4	1	---	---	---	1	4	2	---	1	---	1
8	12	10	---	2	---	---	13	9	---	3	---	1
7	25	---	---	25	---	---	35	---	---	34	---	1
6	---	---	---	---	---	---	1	---	---	---	---	1
5	13	1	---	---	1	11	20	1	---	---	1	18
4	3	---	---	---	---	3	4	---	---	---	---	4
3	8	---	---	---	---	8	5	---	---	---	---	5
										<b>Total trips:</b>		<b>1,068</b>

**ILIULIUK HARBOR, UNALASKA**

Inbound

Outbound

<b>Grand Total</b>	<b>266</b>	<b>177</b>	<b>7</b>	<b>27</b>	<b>32</b>	<b>23</b>	<b>255</b>	<b>166</b>	<b>5</b>	<b>27</b>	<b>33</b>	<b>24</b>
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FOREIGN

<b>Total</b>	<b>65</b>	<b>53</b>	<b>7</b>	<b>4</b>	<b>---</b>	<b>1</b>	<b>54</b>	<b>45</b>	<b>5</b>	<b>3</b>	<b>1</b>	<b>---</b>
34	31	30	1	---	---	---	38	37	1	---	---	---
33	9	9	---	---	---	---	3	3	---	---	---	---
32	1	1	---	---	---	---	---	---	---	---	---	---
29	1	---	1	---	---	---	1	---	1	---	---	---
28	1	---	1	---	---	---	---	---	---	---	---	---
27	2	---	2	---	---	---	---	---	---	---	---	---
26	1	---	1	---	---	---	---	---	---	---	---	---
24	1	---	1	---	---	---	1	---	1	---	---	---
23	---	---	---	---	---	---	1	1	---	---	---	---
22	---	---	---	---	---	---	2	2	---	---	---	---
21	---	---	---	---	---	---	1	---	1	---	---	---
19	---	---	---	---	---	---	1	---	---	1	---	---
18	1	1	---	---	---	---	1	---	1	---	---	---
17	2	2	---	---	---	---	1	---	---	---	1	---
16	4	4	---	---	---	---	---	---	---	---	---	---
15	1	1	---	---	---	---	---	---	---	---	---	---
14	1	---	---	1	---	---	1	---	---	1	---	---
13	3	3	---	---	---	---	1	1	---	---	---	---
12	2	2	---	---	---	---	---	---	---	---	---	---
11	4	---	---	3	---	1	---	---	---	---	---	---
10	---	---	---	---	---	---	2	1	---	1	---	---

DOMESTIC

<b>Total</b>	<b>201</b>	<b>124</b>	<b>---</b>	<b>23</b>	<b>32</b>	<b>22</b>	<b>201</b>	<b>121</b>	<b>---</b>	<b>24</b>	<b>32</b>	<b>24</b>
18	19	1	---	---	18	---	16	1	---	---	15	---
17	6	3	---	---	2	1	9	7	---	---	2	---
16	8	3	---	---	5	---	12	7	---	---	5	---
15	5	5	---	---	---	---	9	9	---	---	---	---
14	17	15	---	---	2	---	22	19	---	---	3	---
13	27	27	---	---	---	---	27	27	---	---	---	---

Trips and Drafts of Vessels, 2016  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
<b>ILIULIUK HARBOR, UNALASKA - continued</b>												
Inbound						Outbound						
DOMESTIC												
12	23	18	—	1	4	—	22	14	—	1	6	1
11	20	17	—	—	—	3	13	13	—	—	—	—
10	31	31	—	—	—	—	23	22	—	1	—	—
9	4	2	—	2	—	—	3	1	—	1	—	1
8	3	1	—	1	—	1	3	—	—	2	—	1
7	19	—	—	19	—	—	20	—	—	19	—	1
5	13	1	—	—	1	11	15	1	—	—	1	13
4	2	—	—	—	—	2	3	—	—	—	—	3
3	4	—	—	—	—	4	4	—	—	—	—	4
											<b>Total trips:</b>	<b>521</b>
<b>ATKA ISLAND, AK</b> (23 feet and less)												
Inbound						Outbound						
<b>Grand Total</b>	<b>5</b>	<b>5</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>5</b>	<b>5</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
											<b>Total trips:</b>	<b>10</b>
<b>BETHEL HARBOR, AK</b> (18 feet and less)												
Inbound						Outbound						
<b>Grand Total</b>	<b>40</b>	<b>—</b>	<b>1</b>	<b>18</b>	<b>7</b>	<b>14</b>	<b>35</b>	<b>1</b>	<b>—</b>	<b>16</b>	<b>6</b>	<b>12</b>
											<b>Total trips:</b>	<b>75</b>
<b>CORDOVA HARBOR, AK</b> (16 feet and less)												
Inbound						Outbound						
<b>Grand Total</b>	<b>363</b>	<b>270</b>	<b>—</b>	<b>11</b>	<b>70</b>	<b>12</b>	<b>356</b>	<b>266</b>	<b>—</b>	<b>11</b>	<b>68</b>	<b>11</b>
											<b>Total trips:</b>	<b>719</b>
<b>CRAIG HARBOR, AK</b> (15 feet and less)												
Inbound						Outbound						
<b>Grand Total</b>	<b>74</b>	<b>10</b>	<b>—</b>	<b>29</b>	<b>—</b>	<b>35</b>	<b>49</b>	<b>6</b>	<b>—</b>	<b>22</b>	<b>1</b>	<b>20</b>
											<b>Total trips:</b>	<b>123</b>
<b>DILLINGHAM HARBOR, AK</b> (18 feet and less)												
Inbound						Outbound						
<b>Grand Total</b>	<b>26</b>	<b>—</b>	<b>—</b>	<b>9</b>	<b>8</b>	<b>9</b>	<b>26</b>	<b>—</b>	<b>—</b>	<b>11</b>	<b>6</b>	<b>9</b>
											<b>Total trips:</b>	<b>52</b>
<b>DOUGLAS HARBOR, AK</b> (16 feet and less)												
Inbound						Outbound						
<b>Grand Total</b>	<b>132</b>	<b>129</b>	<b>—</b>	<b>2</b>	<b>1</b>	<b>—</b>	<b>140</b>	<b>130</b>	<b>—</b>	<b>3</b>	<b>7</b>	<b>—</b>
											<b>Total trips:</b>	<b>272</b>
<b>DRY PASS, AK</b> No Vessel Trips Reported												



Trips and Drafts of Vessels, 2016  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
<b>EGEGIK RIVER, AK</b> (13 feet and less)												
				Inbound							Outbound	
<b>Grand Total</b>	<b>20</b>	<b>—</b>	<b>1</b>	<b>9</b>	<b>—</b>	<b>10</b>	<b>15</b>	<b>—</b>	<b>3</b>	<b>6</b>	<b>—</b>	<b>6</b>
										<b>Total trips:</b>		<b>35</b>
<b>ELFIN COVE HARBOR, AK</b> No Vessel Trips Reported												
<b>GASTINEAU CHANNEL, AK</b> No Vessel Trips Reported												
<b>HOMER, AK</b> (40 feet and less)												
				Inbound							Outbound	
<b>Grand Total</b>	<b>386</b>	<b>342</b>	<b>2</b>	<b>18</b>	<b>2</b>	<b>22</b>	<b>365</b>	<b>320</b>	<b>4</b>	<b>18</b>	<b>2</b>	<b>21</b>
										<b>Total trips:</b>		<b>751</b>
<b>HOONAH HARBOR, AK</b> (29 feet and less)												
				Inbound							Outbound	
<b>Grand Total</b>	<b>297</b>	<b>228</b>	<b>—</b>	<b>33</b>	<b>29</b>	<b>7</b>	<b>298</b>	<b>231</b>	<b>—</b>	<b>32</b>	<b>28</b>	<b>7</b>
										<b>Total trips:</b>		<b>595</b>
<b>HUMBOLDT HARBOR, AK</b> (17 feet and less)												
				Inbound							Outbound	
<b>Grand Total</b>	<b>80</b>	<b>71</b>	<b>—</b>	<b>4</b>	<b>—</b>	<b>5</b>	<b>80</b>	<b>70</b>	<b>—</b>	<b>5</b>	<b>—</b>	<b>5</b>
										<b>Total trips:</b>		<b>160</b>
<b>KAKE HARBOR, AK</b> (16 feet and less)												
				Inbound							Outbound	
<b>Grand Total</b>	<b>346</b>	<b>230</b>	<b>—</b>	<b>57</b>	<b>52</b>	<b>7</b>	<b>346</b>	<b>230</b>	<b>—</b>	<b>57</b>	<b>52</b>	<b>7</b>
										<b>Total trips:</b>		<b>692</b>
<b>KING COVE LAGOON, AK</b> (19 feet and less)												
				Inbound							Outbound	
<b>Grand Total</b>	<b>119</b>	<b>92</b>	<b>—</b>	<b>14</b>	<b>—</b>	<b>13</b>	<b>116</b>	<b>90</b>	<b>—</b>	<b>13</b>	<b>—</b>	<b>13</b>
										<b>Total trips:</b>		<b>235</b>
<b>KUSKOKWIM RIVER, AK</b> (18 feet and less)												
				Upbound							Downbound	
<b>Grand Total</b>	<b>46</b>	<b>—</b>	<b>1</b>	<b>21</b>	<b>7</b>	<b>17</b>	<b>50</b>	<b>1</b>	<b>—</b>	<b>24</b>	<b>6</b>	<b>19</b>
										<b>Total trips:</b>		<b>96</b>
<b>METLAKATLA HARBOR, AK</b> (15 feet and less)												
				Inbound							Outbound	
<b>Grand Total</b>	<b>553</b>	<b>486</b>	<b>—</b>	<b>8</b>	<b>51</b>	<b>8</b>	<b>554</b>	<b>487</b>	<b>—</b>	<b>7</b>	<b>52</b>	<b>8</b>
										<b>Total trips:</b>		<b>1,107</b>

Trips and Drafts of Vessels, 2016  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
<b>NAKNEK RIVER, AK</b> (33 feet and less)												
				Upbound						Downbound		
<b>Grand Total</b>	<b>63</b>	<b>5</b>	<b>—</b>	<b>20</b>	<b>19</b>	<b>19</b>	<b>70</b>	<b>5</b>	<b>2</b>	<b>20</b>	<b>23</b>	<b>20</b>
										<b>Total trips:</b>		<b>133</b>
<b>NINILCHIK HARBOR, AK</b> No Vessel Trips Reported												
<b>NOME, AK</b> (40 feet and less)												
				Inbound						Outbound		
<b>Grand Total</b>	<b>120</b>	<b>19</b>	<b>14</b>	<b>49</b>	<b>8</b>	<b>30</b>	<b>127</b>	<b>20</b>	<b>14</b>	<b>51</b>	<b>8</b>	<b>34</b>
										<b>Total trips:</b>		<b>247</b>
<b>OLD HARBOR, AK</b> (8 feet and less)												
				Inbound						Outbound		
<b>Grand Total</b>	<b>13</b>	<b>2</b>	<b>—</b>	<b>5</b>	<b>1</b>	<b>5</b>	<b>14</b>	<b>4</b>	<b>—</b>	<b>5</b>	<b>—</b>	<b>5</b>
										<b>Total trips:</b>		<b>27</b>
<b>PELICAN HARBOR, AK</b> (10 feet and less)												
				Inbound						Outbound		
<b>Grand Total</b>	<b>19</b>	<b>11</b>	<b>—</b>	<b>4</b>	<b>—</b>	<b>4</b>	<b>17</b>	<b>11</b>	<b>—</b>	<b>3</b>	<b>—</b>	<b>3</b>
										<b>Total trips:</b>		<b>36</b>
<b>PORT ALEXANDER, AK</b> No Vessel Trips Reported												
<b>SELDOVIA HARBOR, AK</b> (8 feet and less)												
				Inbound						Outbound		
<b>Grand Total</b>	<b>127</b>	<b>124</b>	<b>—</b>	<b>1</b>	<b>—</b>	<b>2</b>	<b>133</b>	<b>130</b>	<b>—</b>	<b>1</b>	<b>—</b>	<b>2</b>
										<b>Total trips:</b>		<b>260</b>
<b>SERGIUS AND WHITESTONE NARROWS, AK</b> (20 feet and less)												
				Upbound						Downbound		
<b>Grand Total</b>	<b>546</b>	<b>305</b>	<b>—</b>	<b>120</b>	<b>106</b>	<b>15</b>	<b>1,532</b>	<b>1,279</b>	<b>—</b>	<b>124</b>	<b>111</b>	<b>18</b>
										<b>Total trips:</b>		<b>2,078</b>
<b>SEWARD HARBOR, AK</b> (40 feet and less)												
				Inbound						Outbound		
<b>Grand Total</b>	<b>100</b>	<b>72</b>	<b>—</b>	<b>13</b>	<b>—</b>	<b>15</b>	<b>84</b>	<b>58</b>	<b>—</b>	<b>12</b>	<b>—</b>	<b>14</b>
										<b>Total trips:</b>		<b>184</b>
<b>SITKA HARBOR, AK</b> (29 feet and less)												
				Inbound						Outbound		
<b>Grand Total</b>	<b>729</b>	<b>465</b>	<b>—</b>	<b>130</b>	<b>111</b>	<b>23</b>	<b>669</b>	<b>412</b>	<b>—</b>	<b>127</b>	<b>108</b>	<b>22</b>
										<b>Total trips:</b>		<b>1,398</b>

Trips and Drafts of Vessels, 2016  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
<b>SKAGWAY HARBOR, AK</b> (40 feet and less)												
				Inbound						Outbound		
<b>Grand Total</b>	<b>863</b>	<b>723</b>	—	<b>66</b>	<b>52</b>	<b>22</b>	<b>886</b>	<b>750</b>	—	<b>66</b>	<b>52</b>	<b>18</b>
										<b>Total trips:</b>		<b>1,749</b>
<b>STIKINE RIVER, AK</b> No Vessel Trips Reported												
<b>VALDEZ HARBOR (SMALL BOAT HARBOR), AK</b> (12 feet and less)												
				Inbound						Outbound		
<b>Grand Total</b>	<b>3</b>	—	—	<b>2</b>	—	<b>1</b>	<b>2</b>	—	—	<b>1</b>	—	<b>1</b>
										<b>Total trips:</b>		<b>5</b>
<b>WRANGELL HARBOR, AK</b> (24 feet and less)												
				Inbound						Outbound		
<b>Grand Total</b>	<b>585</b>	<b>563</b>	—	<b>12</b>	<b>5</b>	<b>5</b>	<b>547</b>	<b>525</b>	—	<b>12</b>	<b>5</b>	<b>5</b>
										<b>Total trips:</b>		<b>1,132</b>
<b>CHATHAM STRAIT, AK</b> (34 feet and less)												
				Upbound						Downbound		
<b>Grand Total</b>	<b>1,949</b>	<b>1,452</b>	—	<b>227</b>	<b>221</b>	<b>49</b>	<b>2,091</b>	<b>1,446</b>	—	<b>305</b>	<b>281</b>	<b>59</b>
										<b>Total trips:</b>		<b>4,040</b>
<b>CLARENCE STRAIT, AK</b> (28 feet and less)												
				Upbound						Downbound		
<b>Grand Total</b>	<b>937</b>	<b>516</b>	—	<b>197</b>	<b>176</b>	<b>48</b>	<b>1,038</b>	<b>651</b>	—	<b>178</b>	<b>179</b>	<b>30</b>
										<b>Total trips:</b>		<b>1,975</b>
<b>FREDERICK SOUND, AK</b> (31 feet and less)												
				Upbound						Downbound		
<b>Grand Total</b>	<b>1,952</b>	<b>1,321</b>	—	<b>301</b>	<b>281</b>	<b>49</b>	<b>1,994</b>	<b>1,291</b>	—	<b>357</b>	<b>284</b>	<b>62</b>
										<b>Total trips:</b>		<b>3,946</b>
<b>ICY STRAIT, AK</b> (40 feet and less)												
				Upbound						Downbound		
<b>Grand Total</b>	<b>1,066</b>	<b>805</b>	—	<b>122</b>	<b>121</b>	<b>18</b>	<b>1,057</b>	<b>801</b>	—	<b>117</b>	<b>116</b>	<b>23</b>
										<b>Total trips:</b>		<b>2,123</b>
<b>KIVALINA, AK</b> (45 feet and less)												
				Upbound						Downbound		
<b>Grand Total</b>	<b>584</b>	—	—	<b>28</b>	<b>545</b>	<b>11</b>	<b>592</b>	—	—	<b>28</b>	<b>553</b>	<b>11</b>
										<b>Total trips:</b>		<b>1,176</b>

Trips and Drafts of Vessels, 2016  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
<b>LYNN CANAL, AK</b> (40 feet and less)												
				Upbound						Downbound		
<b>Grand Total</b>	<b>1,858</b>	<b>1,561</b>	<b>---</b>	<b>140</b>	<b>121</b>	<b>36</b>	<b>1,993</b>	<b>1,591</b>	<b>---</b>	<b>193</b>	<b>171</b>	<b>38</b>
										<b>Total trips:</b>		<b>3,851</b>
<b>NIKISHKA, AK</b> (40 feet and less)												
				Inbound						Outbound		
<b>Grand Total</b>	<b>133</b>	<b>1</b>	<b>80</b>	<b>23</b>	<b>---</b>	<b>29</b>	<b>130</b>	<b>1</b>	<b>79</b>	<b>22</b>	<b>---</b>	<b>28</b>
										<b>Total trips:</b>		<b>263</b>
<b>REVILLAGIGADO CHANNEL, AK</b> (40 feet and less)												
				Upbound						Downbound		
<b>Grand Total</b>	<b>1,053</b>	<b>697</b>	<b>---</b>	<b>193</b>	<b>135</b>	<b>28</b>	<b>1,084</b>	<b>735</b>	<b>---</b>	<b>180</b>	<b>153</b>	<b>16</b>
										<b>Total trips:</b>		<b>2,137</b>
<b>STEPHENS PASSAGE, AK</b> (31 feet and less)												
				Upbound						Downbound		
<b>Grand Total</b>	<b>1,976</b>	<b>1,420</b>	<b>---</b>	<b>268</b>	<b>239</b>	<b>49</b>	<b>1,911</b>	<b>1,565</b>	<b>---</b>	<b>169</b>	<b>143</b>	<b>34</b>
										<b>Total trips:</b>		<b>3,887</b>
<b>SUMNER STRAIT, AK</b> (28 feet and less)												
				Upbound						Downbound		
<b>Grand Total</b>	<b>1,096</b>	<b>689</b>	<b>---</b>	<b>215</b>	<b>137</b>	<b>55</b>	<b>1,209</b>	<b>754</b>	<b>---</b>	<b>201</b>	<b>220</b>	<b>34</b>
										<b>Total trips:</b>		<b>2,305</b>
<b>TONGASS NARROWS, AK</b> (40 feet and less)												
				Upbound						Downbound		
<b>Grand Total</b>	<b>1,742</b>	<b>1,090</b>	<b>---</b>	<b>310</b>	<b>289</b>	<b>53</b>	<b>1,836</b>	<b>1,209</b>	<b>---</b>	<b>288</b>	<b>307</b>	<b>32</b>
										<b>Total trips:</b>		<b>3,578</b>
<b>WHITTIER HARBOR, AK</b> (28 feet and less)												
				Inbound						Outbound		
<b>Grand Total</b>	<b>581</b>	<b>343</b>	<b>---</b>	<b>63</b>	<b>175</b>	<b>---</b>	<b>575</b>	<b>341</b>	<b>---</b>	<b>64</b>	<b>170</b>	<b>---</b>
										<b>Total trips:</b>		<b>1,156</b>

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