



Marine Facilities



Portland, Oregon



Positioned on the U.S. West Coast at the confluence of two mighty rivers, the City of Portland is a natural gateway to the world. For more than 100 years, Portland has been a major player in international trade connecting North America to Asia, South and Central America, the Middle East and Europe.

Heavily trade-dependent, Portland is home to firms involved in high technology, advanced manufacturing, agriculture/food products, green technology and active wear/outdoor gear. All of these industry clusters rely on efficient and cost effective access to foreign markets.





Port of Portland: A diverse West Coast maritime center

Located 100 miles upriver from the Pacific Ocean, the Port of Portland is Oregon's only deep draft container port and is the state's largest port. More than 17 million tons of marine cargo moves through the Portland metro region each year – 13 million tons of which moves through the Port of Portland's facilities. A diversified cargo portfolio includes containers, autos, grain, mineral bulks, breakbulk steel, project cargo and liquid bulks. The Port's four marine terminals are conveniently located outside the population center (2.1 million residents) and at the intersection of two interstate highways and two Class I railroads minimizing congestion for both train and truck traffic.

- 1 Gresham Vista Business Park**
221 acres, zoned industrial, commercial and mixed-use, 11 lots on 203 developable acres

- 2 Troutdale Reynolds Industrial Park**
700 acres, zoned industrial and open space, 12 lots on 350 developable acres

Troutdale Airport
300 acres, 1 runway, more than 86,000 operations annually

- 3 Port Corporate Headquarters**
LEED Platinum certified, 205,000 square feet

Portland International Airport
3,296 acres, 3 runways, 14.4 million passengers, 219,000 tons of cargo, more than 235,000 operations annually

Portland International Center
458 acres, mixed-use master planned business park including Class "A" office space, retail, lodging, warehousing, light manufacturing

Port of Portland Properties



- 4 West Hayden Island**
825 acres, acquired in 1994 for future marine industrial use, mitigation and preservation of natural resources
- 5 Terminal 6**
419 acres, containers, autos, steel slab, intermodal rail yard operations
- 6 Terminal 5**
159 acres, grain, mineral bulk, warehouse and manufacturing
- 7 Rivergate Industrial District**
2,800 acres, warehousing, distribution, manufacturing, processing facilities, more than 13 million square feet of buildings

- 8 Terminal 4**
262 acres, mineral bulks, autos, liquid bulks, flour mill
- 9 Swan Island Industrial Park**
430 acres, corporate center, shipyard, hub for distribution, warehousing, manufacturing with approximately 170 businesses
- 10 Terminal 2**
53 acres, breakbulk, dry bulks, project cargoes, federal hopper dredges



Total berth length: 2,695 ft (821 m)
Draft alongside: 37-39 ft (11.3-11.9 m)
Authorized to 40 ft (12.2 m)

Berth 204

Berth 205

Berth 203

Warehouse #205
90,450 sq ft
(27,569 sq m)

Warehouse #203
39,000 sq ft
(11,887 sq m)

Open Storage Area
14.5 acres
5.86 hectares

Warehouse #204
81,000 sq ft
(24,688 sq m)

Truck Gate



Terminal 2:

Breakbulk/bulk and specialty cargo terminal

Berth 206



Warehouse
#206
90,000 sq ft
27,432 sq m)

Open Storage Area
13.0 acres
5.26 hectares



3556 N.W. Front Avenue, Portland, Oregon 97209 USA

General facts:

- Multi-product capability: forest products, steel, project cargo, bulk cargoes, roll-on/roll-off
- Direct ship-to-rail transfer
- Convenient access to interstate highways
- U.S. Army Corps of Engineers dredges stationed on low-level dock
- Managed by the Port of Portland

Truck scales: 4

General purpose cranes: 2

Crane lifting capacity: 50-ton (1), 40-ton (1)

Draft alongside:

37-39 ft (11.3-11.9 m)

Terminal acreage: 53 acres (21 hectares)



Terminal 4:

Liquid bulk, mineral bulk and automobile terminal

11040 N. Lombard Street
Portland, Oregon 97203 USA

General facts:

- Dry bulk handling facility leased and operated by Kinder Morgan Terminals, Inc.
- Vehicle distribution center leased and operated by Toyota Logistic Services, Inc.
- Liquid bulk facility operated by International Raw Materials
- Potential redevelopment site for future bulk terminal
- Flour mill leased and operated by Cereal Foods Processors, Inc.

Berths: 7

Total berth length:

5,250 ft (1,600 m)

Draft alongside:

35 ft (10.7 m) to 40 ft (12.2 m)

Terminal acreage:

262 acres (106 hectares)



Berths 401, 408

International Raw Materials liquid bulk facility

- 6.3 acres (2.5 hectares)
- Liquid bulk cargo handling and storage
- Liquid fertilizers and other agricultural chemicals
- 50,000 tons per year
- Direct barge/ship pipeline delivery

Draft alongside:

401: 41 ft (12.5 m)

Berths 410, 411

Kinder Morgan Bulk Terminals, Inc.

- 6.6 acres (2.7 hectares), 5-acre yard and 8-acre rail yard
- Bulk soda ash handling and storage
- 3 million tons per year

Draft alongside:

410, 411: 41 ft (12.5 m)



Terminal 4

Berths 414, 415, 416

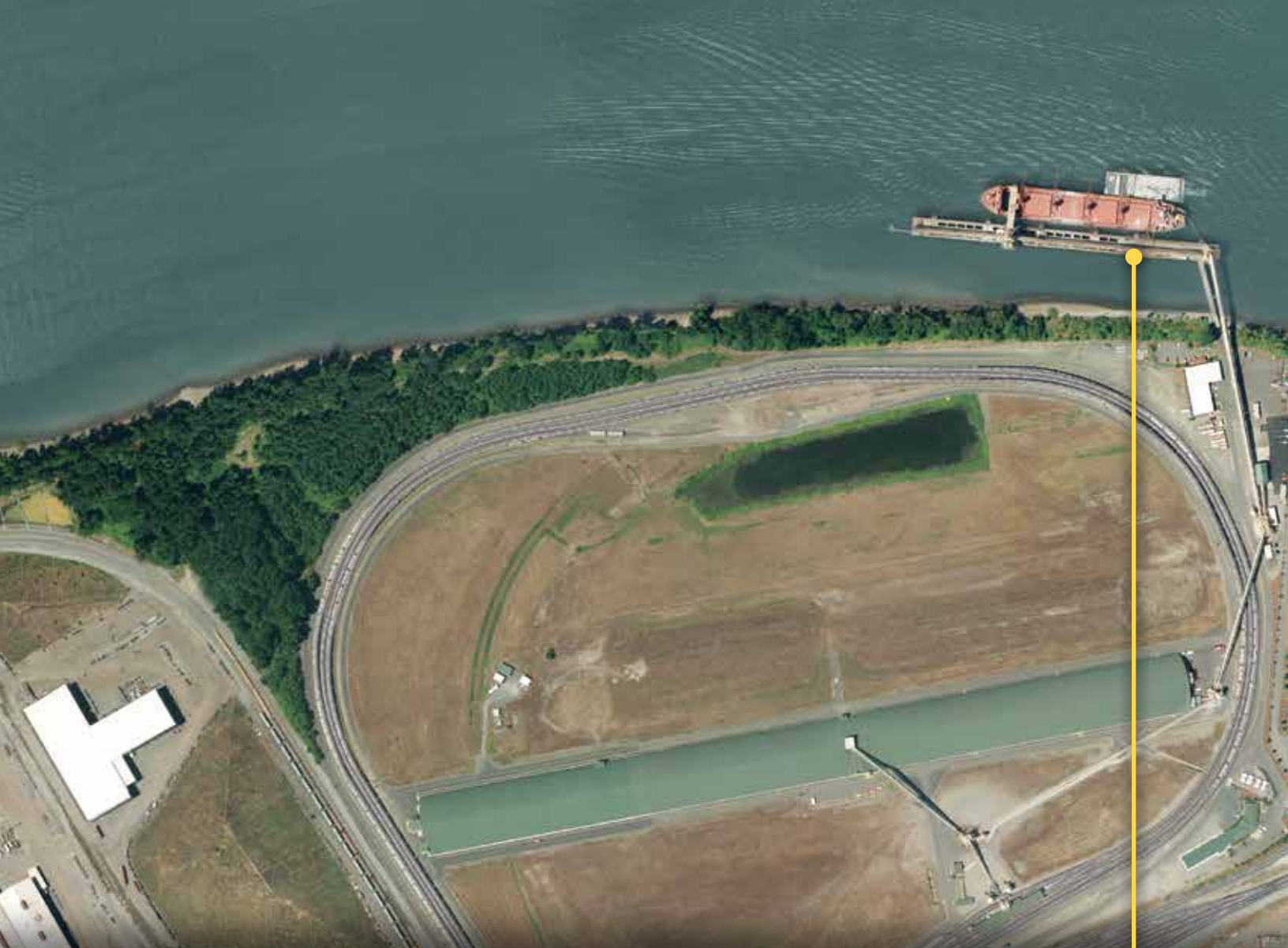
Toyota Logistics Services Vehicle Distribution Center

- 110 acres (44.5 hectares)
- More than 240,000 autos handled per year
- Receive autos via ship/rail
- On site accessorization for North American market
- Automobile and light truck handling and storage
- Union Pacific rail served

Draft alongside:

414, 415, 416: 36 ft (10.9 m)





15550 N. Lombard Street, Portland, Oregon 97203 USA

General facts:

- Grain terminal leased and operated by Columbia Grain, Inc.
- Mineral bulk facility leased by Portland Bulk Terminals
- General manufacturing facility available

Berths: 2

Total berth length:

5,250 ft (1,600 m)

Draft alongside:

35 ft (10.7 m) to 40 ft (12.2 m minimum)

Terminal acreage:

159 acres (64 hectares)

Berth 503

Portland Bulk Terminals, LLC

- Portland Bulk Terminals, LLC is wholly owned by Canpotex Terminals
- Potash and related bulk material handling
- 100 acres (40.4 hectares), more than 3 million tons per year
- Receive bulk via rail; unit train capable
- Load-in bulk to vessels; covered storage

Draft alongside: 43 ft (13.1 m)

Terminal 5:

Grain, mineral and industrial terminal



Berth 502

Currently inactive

Draft alongside: 36 ft (10.9 m)

Berth 501

Columbia Grain, Inc.

- Grain handling and storage (wheat, barley, corn, soybeans, etc.)
- 43 acres (17.4 hectares)
- More than 4 million tons per year
- Receive grain via barge/rail/truck

Draft alongside: 43 ft (13.1 m)





Terminal 6:

Container, intermodal yard, automobile and breakbulk

7201 N. Marine Drive
Portland, Oregon 97203 USA

General Facts:

- Multi-user, container facility operated by ICTSI Oregon, Inc.
- Direct access by BNSF Railway and Union Pacific Railroad
- Import and export auto facilities
- Steel slab and coil imports

Terminal acreage:

419 acres (170 hectares)

Draft alongside:

36 ft (10.9 m) to 43 ft (13.1 m)





Length: 2,850 ft (869 m)

Berth 601

Auto Warehousing Co.

- 130 acres (52.6 hectares)
- Automobile and light truck handling processing and storage
- Floating dock
- Autos received and delivered by vessel/rail/truck
- Direct BNSF Railway service

Draft alongside: 36 ft (10.9 m)

Berths 603-606

ICTSI Oregon container facility

- 125-acre (50.5 hectares) container yard, 52.5-acre (21.2 hectares) on-dock intermodal facility
- 7 container cranes (4 Post Panamax)
- Multi-user, deep-draft container-handling facility operated by ICTSI Oregon, Inc.
- 500,000 TEU throughput capability at present operation
- Fully grounded, reach stacker/top pick operation
- Receive/deliver containers via truck/rail/ship/barge
- Container-on-barge inland service

Draft alongside:

Berth 603 – 40 ft (12.2 m)

Berths 604 and 605 – 43 ft (13.1 m)



Terminal 6

Berth 607

American Honda Motor Co. auto import facility

- 62 acres (25 hectares)
- Receive via ship/rail/truck
- Automobile and light truck handling/storage
- BNSF Railway served

Draft alongside: 36 ft (10.9 m)

Intermodal Yard

- 52.5 acres (21.2 hectares)
- 8 tracks
- 20,185 feet (6,152 m) of track
- 82 double-stack car capacity





Navigation

- From the mouth of the Columbia River to Portland is approximately 100 miles
- The channel is 43' deep and 600' wide
- Ship transits normally take approximately eight hours to reach a berth in Portland
- A river forecast system (Loadmax) assists vessel transits to maximize drafts
- Over 1,600 ships per year enter and depart the Columbia River for six deep-draft ports

Barging

The Columbia and Snake rivers combine to form the second largest river system in the United States. This system, through a series of eight dams and locks, provides access for shippers as far inland as Lewiston, Idaho, some 365 miles east of Portland. Bulk grain, forest products, pulses and other containerized cargo find their way to Portland by barge for export to international destinations.

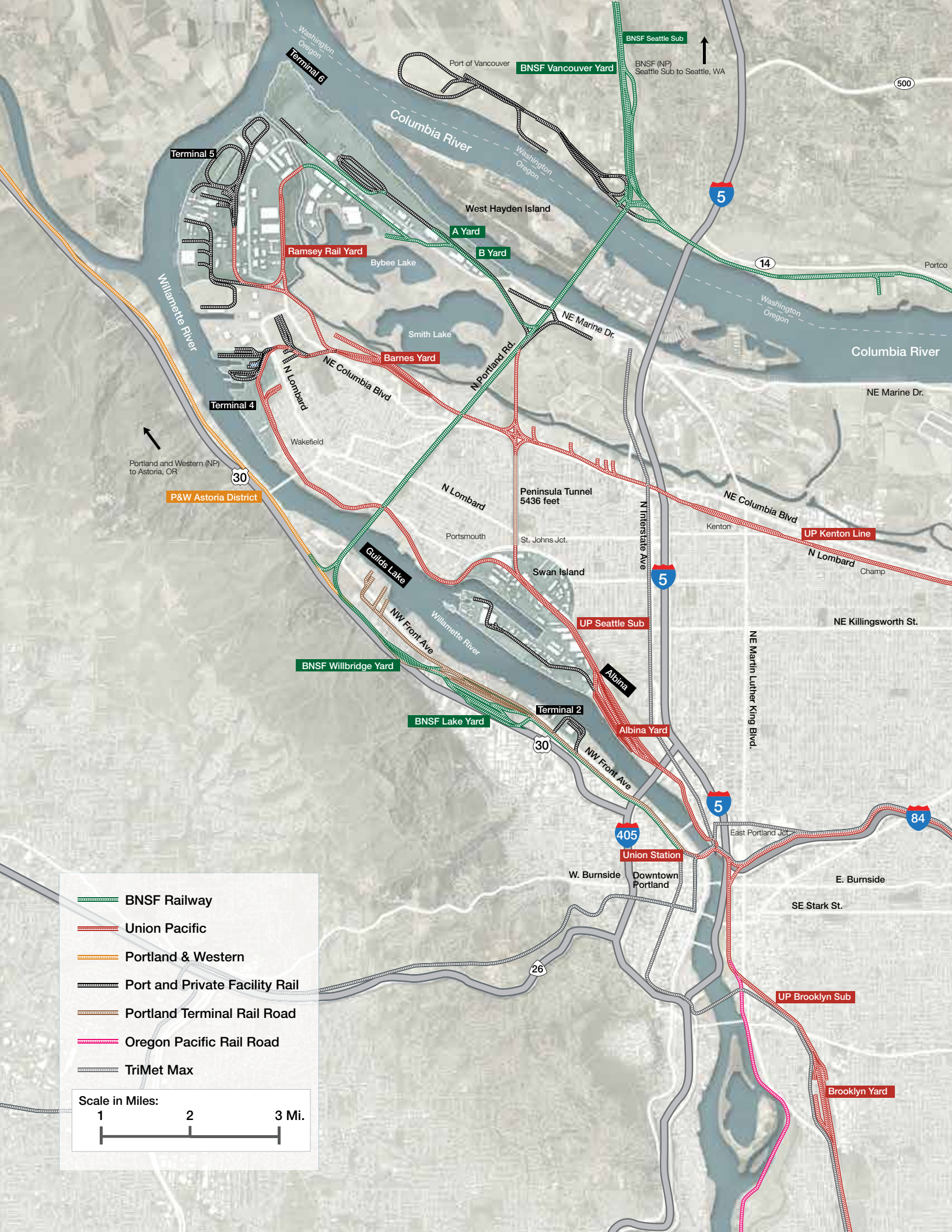
Navigation and barging



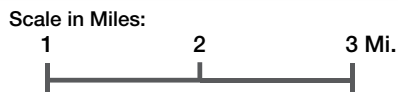
Average time en route to Portland from Columbia River ports:

Port	Hours
The Dalles	13
Arlington	19
Boardman.....	23
Umatilla	25
Pasco	31
Wilma.....	47
Clarkston	47
Lewiston	47





- BNSF Railway
- Union Pacific
- Portland & Western
- Port and Private Facility Rail
- Portland Terminal Rail Road
- Oregon Pacific Rail Road
- TriMet Max



Local rail connections

Portland's marine facilities feature on-dock rail connections and are well served by efficient and modern main line and short line rail connections. Together, the Port, the state of Oregon, city of Portland, tenants and railroads have invested heavily in a number of rail yards, overpasses, new trackage and related projects that have improved capacity, velocity and safety throughout Rivergate Industrial District and the surrounding region. The Port's rail plan forecasts priority projects out to 2030 to ensure that potential bottlenecks or problem areas get attention in order of significance. This approach helps eliminate congestion so Portland can continue to offer competitive transit times from all major Asia load centers to U.S. Northern tier destinations and back.



Washington

Oregon



Portland

Edmonton

Saskatoon

Calgary

Vancouver B.C.

Seattle

Eastport

Spokane

Sweet Grass

Winnipeg

Lewiston

Fargo

Superior

Billings

Minneapolis

Boise

Omaha

Salt Lake City

Denver

Kansas City

Sacramento

San Francisco

Las Vegas

Los Angeles

Phoenix

Albuquerque

Oklahoma City

Fort Worth

Dallas

El Paso

San Antonio









Houston

Chihuahua

Monterrey

Guadalajara

Mexico City

-  BNSF Railway
-  Union Pacific
-  CSX
-  Norfolk Southern
-  Canadian National Railway - Illinois Central
-  Canadian Pacific Rail
-  Kansas City Southern Railway
-  FXE - Mexico

North American rail connections



Portland offers geographical advantages over other Pacific Northwest ports because of its access and proximity to major markets as well as the only river-grade interstate highway and rail routes to the interior.

Average time from Portland to interior destinations:

Destination	Hours
U.S.	
Chicago	84-104
Minneapolis	84-104
Detroit.....	108-152
Kansas City	144-164
New York.....	156-180
Canada	
Calgary	72-96
Edmonton.....	120-144
Saskatoon	144-168

Terminal 2

53 acres (21 hectares);
breakbulk, bulk,
specialty cargo

Terminal 4

262 acres (106 hectares);
mineral bulks, autos, liquid
bulks

Terminal 5

159 acres (64 hectares);
grain, mineral bulks,
warehouse/manufacturing

Terminal 6

419 acres (170 hectares);
containers, autos,
breakbulk steel, intermodal
rail yard operations

 **PORT OF PORTLAND**
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