

Marine Facilities

 Port of Vancouver USA



Access, Capacity and Expertise

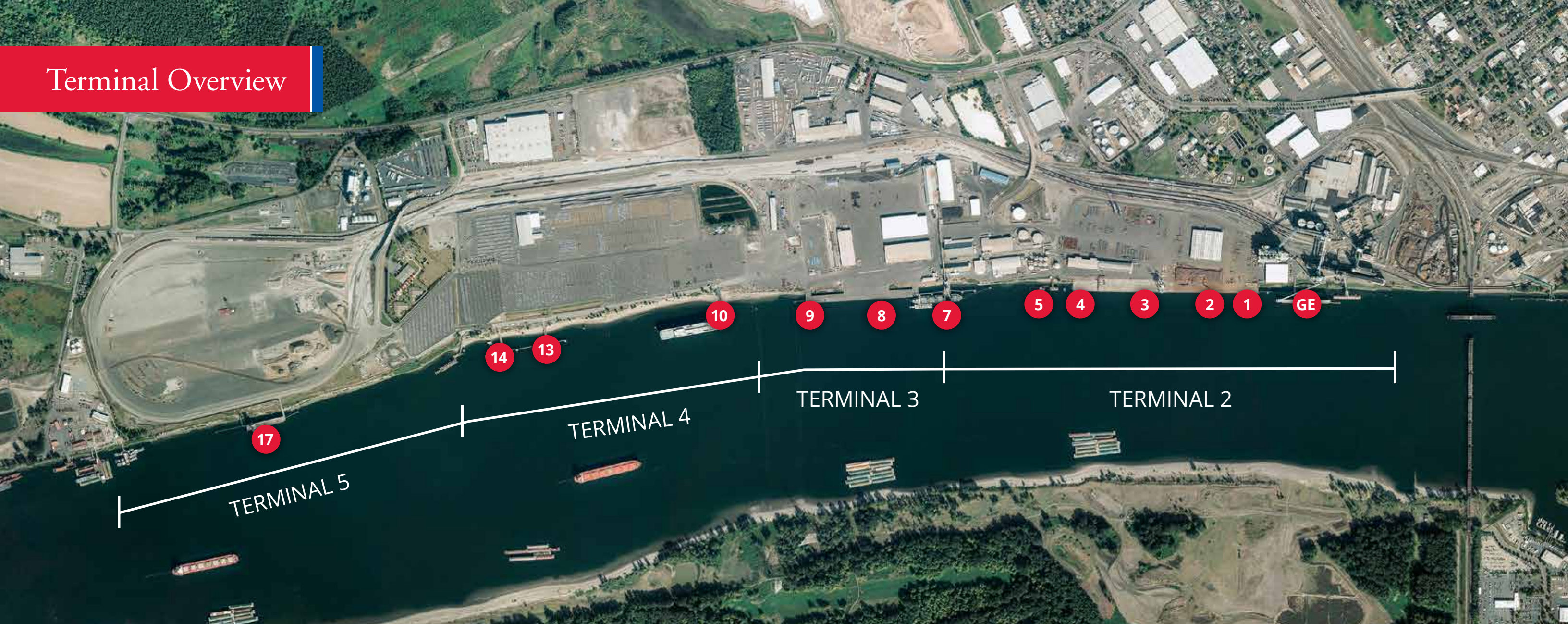
The Port of Vancouver USA is located in Vancouver, Washington and serves as the premier Pacific Rim gateway to the United States and Canada. The port's position at the crossroads of ocean-bound and river shipping lanes, interstate highways (I-5 and I-84) and Class I rail lines (BNSF Railway and Union Pacific Railroad) makes it the perfect port to serve clients with regional and global transportation needs.

The Port of Vancouver, located only 106 river miles from the Pacific Ocean, is situated on a 43-foot deep-draft shipping channel. It specializes in handling break bulk, bulk and project cargoes, with dedicated facilities for shipping automobiles, grains, mineral ores and agricultural commodities, among others.

Most direct, uninterrupted route from the Pacific Rim to the U.S. Rocky Mountain region, Midwest and Western Canada.



Terminal Overview



TERMINAL 2

- GE** GRAIN ELEVATOR
- 1** BERTH 1 | *Break Bulk*
- 2** BERTH 2 | *Heavy Lift & Bulk Export*
- 3** BERTH 3 | *Heavy Lift*
- 4** BERTH 4 | *RO/RO*
- 5** BERTH 5 | *Liquid Bulk*
- 7** BERTH 7 | *Dry Bulk*

TERMINAL 3

- 8** BERTH 8 | *Multiuse*
- 9** BERTH 9 | *Multiuse*

TERMINAL 4

- 10** BERTH 10 | *Auto & RO/RO*
- 13** BERTH 13 | *Layberth*
- 14** BERTH 14 | *Layberth*

TERMINAL 5

- 17** BERTH 17 | *Future Expansion*

FOREIGN TRADE ZONE 296

The Port of Vancouver USA received a grant of authority in 2016 from the federal Foreign Trade Zones Board as grantee to establish FTZs within the service area of Clark County, Washington. Under our Alternative Site Framework status, the timeline to apply for FTZ site designation is streamlined and can typically be approved within 30 days.

Terminal 2



58,000 square feet
(5,388 square meters)

100,000 square feet
(9,290 square meters)

100,000 square feet
(9,290 square meters)

69,600 square feet
(6,466 square meters)

93,800 square feet
(8,714 square meters)

HEAVY LIFT

Terminal 2 accommodates break bulk and heavy lift cargoes from commodities such as steel and pulp, to wind, transformers, generators, and liquid and dry bulks. Our two Liebherr mobile harbor cranes can operate at any break bulk berth and have a lifting capacity of 140 metric tons each or 210 metric tons in tandem.

- GE** GRAIN ELEVATOR
- 1** BERTH 1 | *Break Bulk*
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- 3** BERTH 3 | *Heavy Lift*
- 4** BERTH 4 | *RO/RO*
- 5** BERTH 5 | *Liquid Bulk*
- 7** BERTH 7 | *Dry Bulk*





GE GRAIN ELEVATOR

715	34.5	43
LINEAR FEET DOCK LENGTH WITH DOLPHINS <i>(217.93 meters)</i>	FEET DOCK HEIGHT <i>(10.52 meters)</i>	FEET C.R.D. BERTH DEPTH <i>(13.11 meters)</i>
965	79	2,000
LINEAR FEET FOR BARGE <i>(294.13 meters)</i>	AIR DRAFT FEET <i>(24.08 meters)</i>	METRIC TONS PER HOUR LOAD OUT SPEED

MODES RECEIVED: River barges, single rail cars, unit trains and shuttle trains

1 BERTH 1 | Break Bulk

450	30	40
LINEAR FEET DOCK LENGTH <i>(137.16 meters)</i>	FEET DOCK HEIGHT <i>(9.14 meters)</i>	FEET C.R.D. BERTH DEPTH <i>(12.19 meters)</i>

DOCK STRENGTH: 750 pounds per square foot

2 BERTH 2 | Heavy Lift & Bulk Export

550	30	43
LINEAR FEET DOCK LENGTH <i>(167.64 meters)</i>	FEET DOCK HEIGHT <i>(9.14 meters)</i>	FEET C.R.D. BERTH DEPTH <i>(13.11 meters)</i>

DOCK STRENGTH: 1,000 pounds per square foot

KEY COMMODITIES: Project cargo, steel, wind, transformers, modules and generators

3 BERTH 3 | Heavy Lift

750	30	43
LINEAR FEET DOCK LENGTH <i>(228.6 meters)</i>	FEET DOCK HEIGHT <i>(9.14 meters)</i>	FEET C.R.D. BERTH DEPTH <i>(13.11 meters)</i>

DOCK STRENGTH: 1,000 pounds per square foot

KEY COMMODITIES: Project cargo, steel, wind, transformers, modules and generators

FEATURES: One 51-ton multipurpose container crane. Two 140 metric ton mobile harbor cranes.

4 BERTH 4 | RO/RO

285	15	43
LINEAR FEET DOCK LENGTH <i>(86.87 meters)</i>	FEET DOCK HEIGHT <i>(4.57 meters)</i>	FEET C.R.D. BERTH DEPTH <i>(13.11 meters)</i>

5 BERTH 5 | Liquid Bulk

400	25	41
LINEAR FEET DOCK LENGTH WITH DOLPHINS <i>(121.92 meters)</i>	FEET DOCK HEIGHT <i>(7.62 meters)</i>	FEET C.R.D. BERTH DEPTH <i>(12.5 meters)</i>

KEY COMMODITIES: Various liquid bulks

7 BERTH 7 | Dry Bulk

800	30	43
LINEAR FEET DOCK LENGTH <i>(243.84 meters)</i>	FEET DOCK HEIGHT <i>(9.14 meters)</i>	FEET C.R.D. BERTH DEPTH <i>(13.11 meters)</i>

KEY COMMODITIES: Bentonite clay, copper concentrate and other dry bulks

FEATURES: 124,616 square-foot (11,577.21 m²) covered bulk storage with telescoping conveyor loader with outboard reach of 60 feet (18.29 meters)

CAPABILITIES: Direct transfer from rail to storage, bottom dump or top unloading

C.R.D. = Columbia River Datum



Terminal 3



8 BERTH 8 | Multiuse

9 BERTH 9 | Multiuse

1,250	30	43
TOTAL LINEAR FEET DOCK LENGTH <i>(381 meters)</i>	FEET DOCK HEIGHT <i>(9.14 meters)</i>	FEET C.R.D. BERTH DEPTH <i>(13.11 meters)</i>

Storage Capacity

65	258,000
OPEN ACRES <i>(26.30 hectares)</i>	SQUARE FEET COVERED STORAGE <i>(23,969 m²)</i>

DOCK STRENGTH: 750 pounds per square foot

KEY COMMODITIES: Pulp, steel (coil, pipe and beams), import bulk

CAPABILITIES: Warehouse adjacent rail loading



MULTIUSE CARGO DOCK

Multiuse cargo docks allow the flexibility to efficiently handle a diverse mix of high and heavy project cargoes, steel, forest and agricultural products, along with plenty of on-dock warehousing. The port's two Liebherr mobile harbor cranes can also operate at these berths.

C.R.D. = Columbia River Datum



Terminal 4



RO/RO FACILITY

This high-volume, rail-served auto facility imports and exports automobiles via ship, road and rail. Berth 10's floating dock and cargo staging area offers receiving and delivery of roll-on/roll-off cargo.

10 BERTH 10 | Auto & RO/RO

240	15	40
LINEAR FEET DOCK LENGTH <i>(73.15 meters)</i>	FEET DOCK HEIGHT <i>(4.57 meters)</i>	FEET C.R.D. BERTH DEPTH <i>(12.19 meters)</i>

1,140
FOOT BERTHING ARRANGEMENT
FLOATING AUTO DOCK
(Including 240 foot dock)

AUTO PROCESSING FACILITY:
40 acres (16.18 hectares)

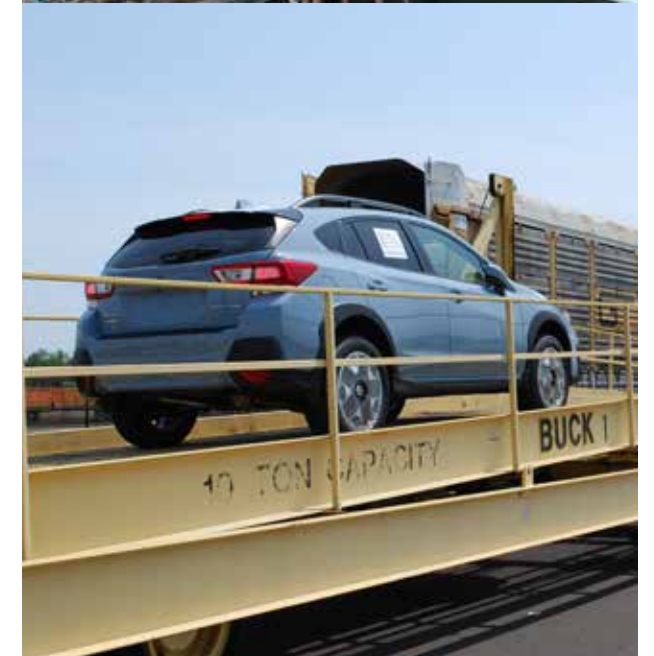
AUTO HOLDING AREA:
41 acres (16.59 hectares)

13 BERTH 13 | Layberth

14 BERTH 14 | Layberth

1,360	30	43
TOTAL LINEAR FEET DOCK LENGTH WITH DOLPHINS <i>(414.53 meters)</i>	FEET DOCK HEIGHT <i>(9.14 meters)</i>	FEET C.R.D. BERTH DEPTH <i>(13.11 meters)</i>

FEATURES: Shore power available



C.R.D. = Columbia River Datum



Terminal 5



TERMINAL 5 MARINE FACILITY OPPORTUNITY

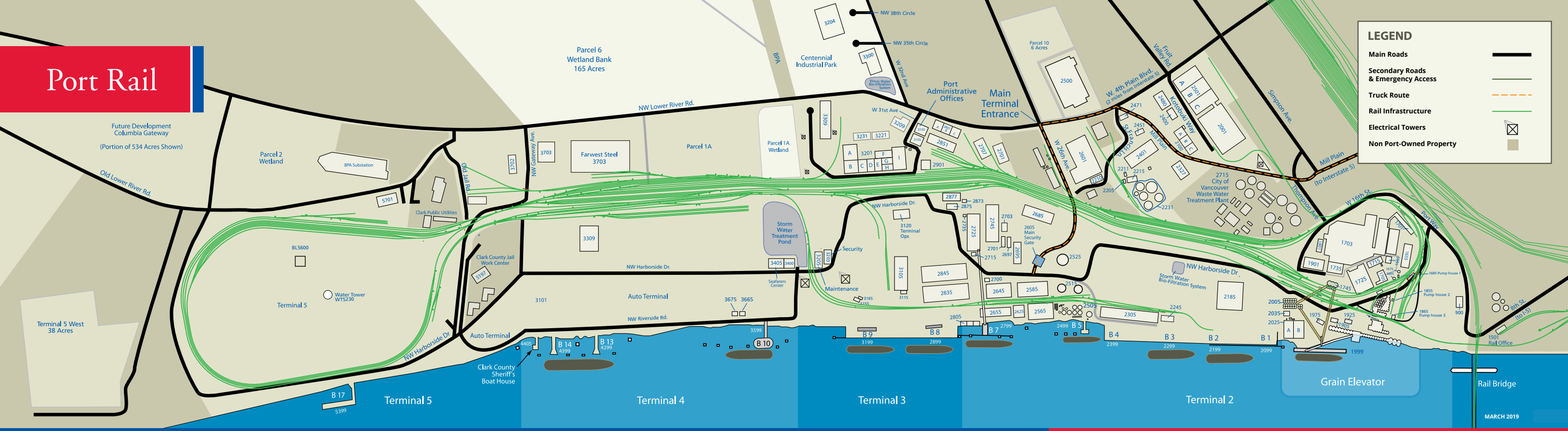
Terminal 5 represents a unique opportunity to develop a bulk facility with extensive road, rail and deep-water connectivity on the U.S. West Coast.

- Specifically designed and developed as a multi-million-ton bulk facility.
- 82 acres of shovel-ready property with permits currently in place.
- Features loop tracks that allow unit trains to be handled within the port's internal rail complex.
- Three 8,500-foot-long tracks have been specially designed to accommodate multiple unit trains. There's room to add tracks to meet future capacity needs.
- Positioned in a key location on the Columbia River with quick access to ocean-going vessel traffic and major north-south and east-west freight corridors.
- The port's completed West Vancouver Freight Access rail project provides unmatched access and velocity into Terminal 5. The new rail lead provides a direct connection from the Class 1 mainline into the port.
- Superior rail connections and the 43-foot deep-draft Columbia River navigation channel provides a time-tested gateway between the U.S. Midcontinent and our Pacific Rim trading partners.
- Berth 17 can be redeveloped into an operational berth.

82 PROJECT-READY ACRES

Terminal 5 has space available for a new high-volume mineral bulk facility. Three 8,500-foot-long loop tracks were designed to accommodate multiple unit trains carrying a variety of bulk cargoes within the port's 42-mile internal rail complex.

Port Rail



PORT RAIL CAPABILITIES

The Port of Vancouver is a major gateway to North America's national and international rail networks, including BNSF Railway, Union Pacific Railroad, Canadian National Railroad and Canadian Pacific Railroad. The port's high velocity, state-of-the-art facilities are designed with our tenants' operational efficiency in mind. Manifest and unit trains can directly access the port from mainline corridors.

PORT RAIL CAPABILITIES CONT.

- 42 miles of internal rail track
- 350,000 annual rail car capacity
- Three 8,500-foot loop tracks (Terminal 5)
- Five full unit train length bulk cargo tracks
- Rail expansion completed in 2018 increased Class 1 mainline velocity
- Connections to all seven Class 1 railroads in North America
- Two mainline rail leads



Local Rail Connections

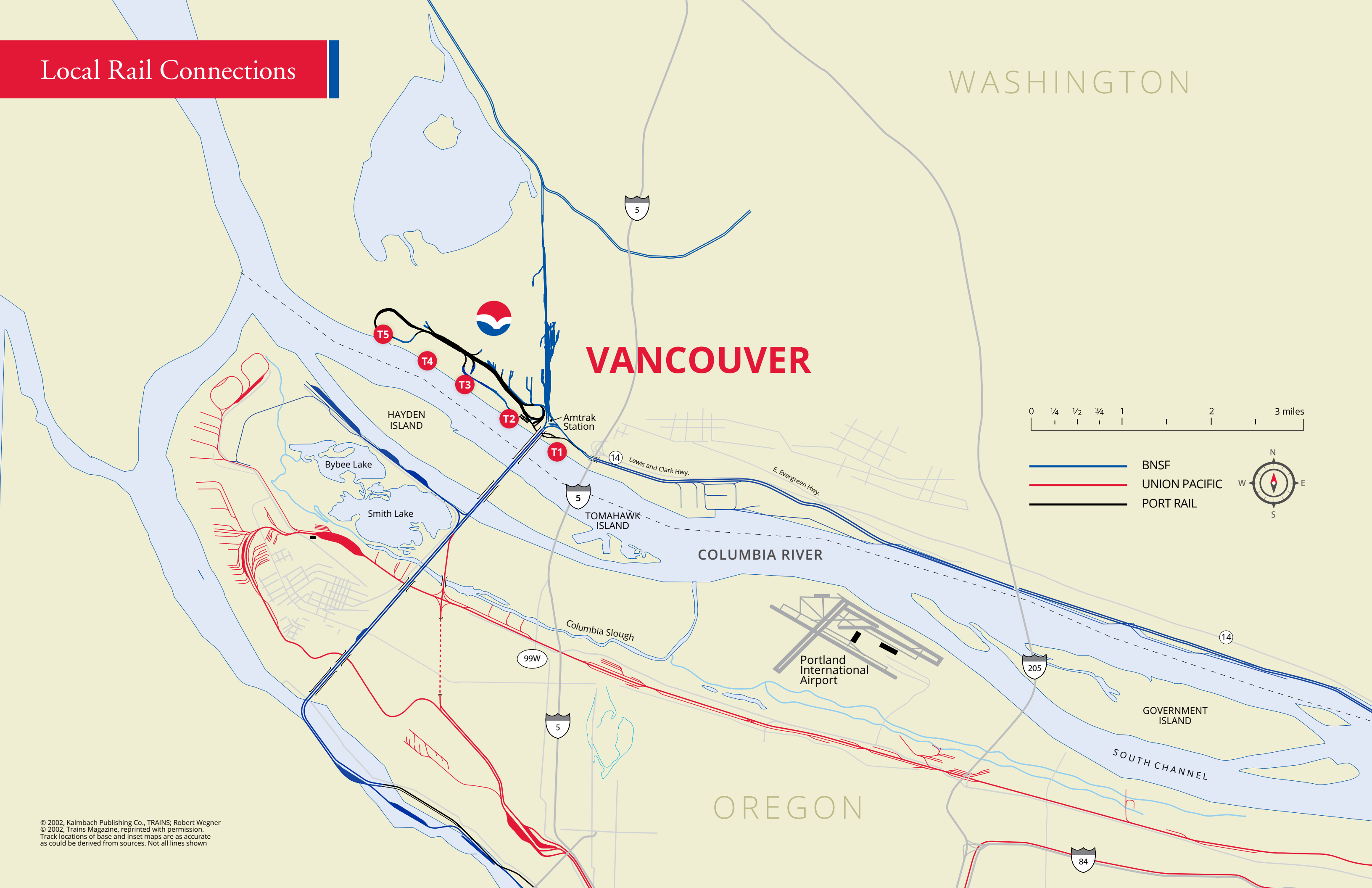
WASHINGTON

VANCOUVER



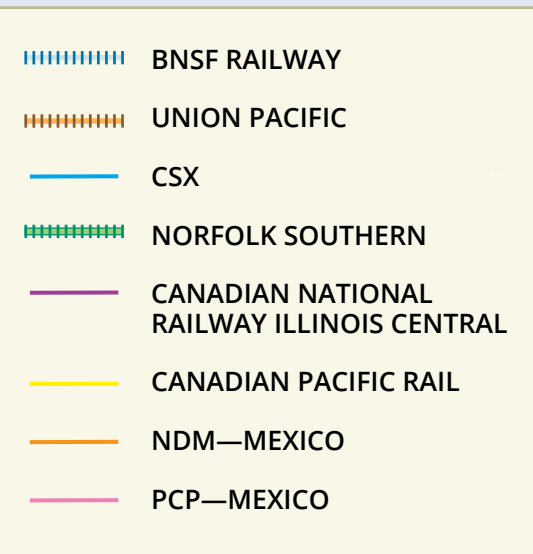
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Track locations of base and inset maps are as accurate
as could be derived from sources. Not all lines shown

OREGON

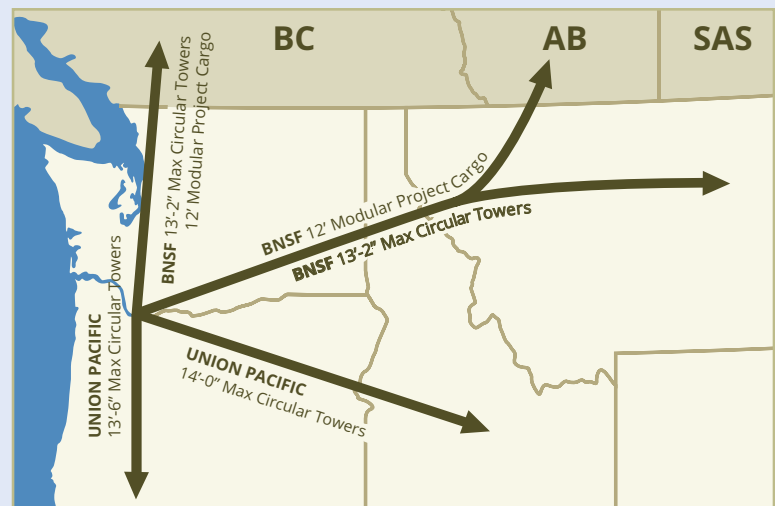


North American Rail Connections

RAIL CONNECTIONS LEGEND



RAIL CLEARANCES



Navigation and Barging



NAVIGATION

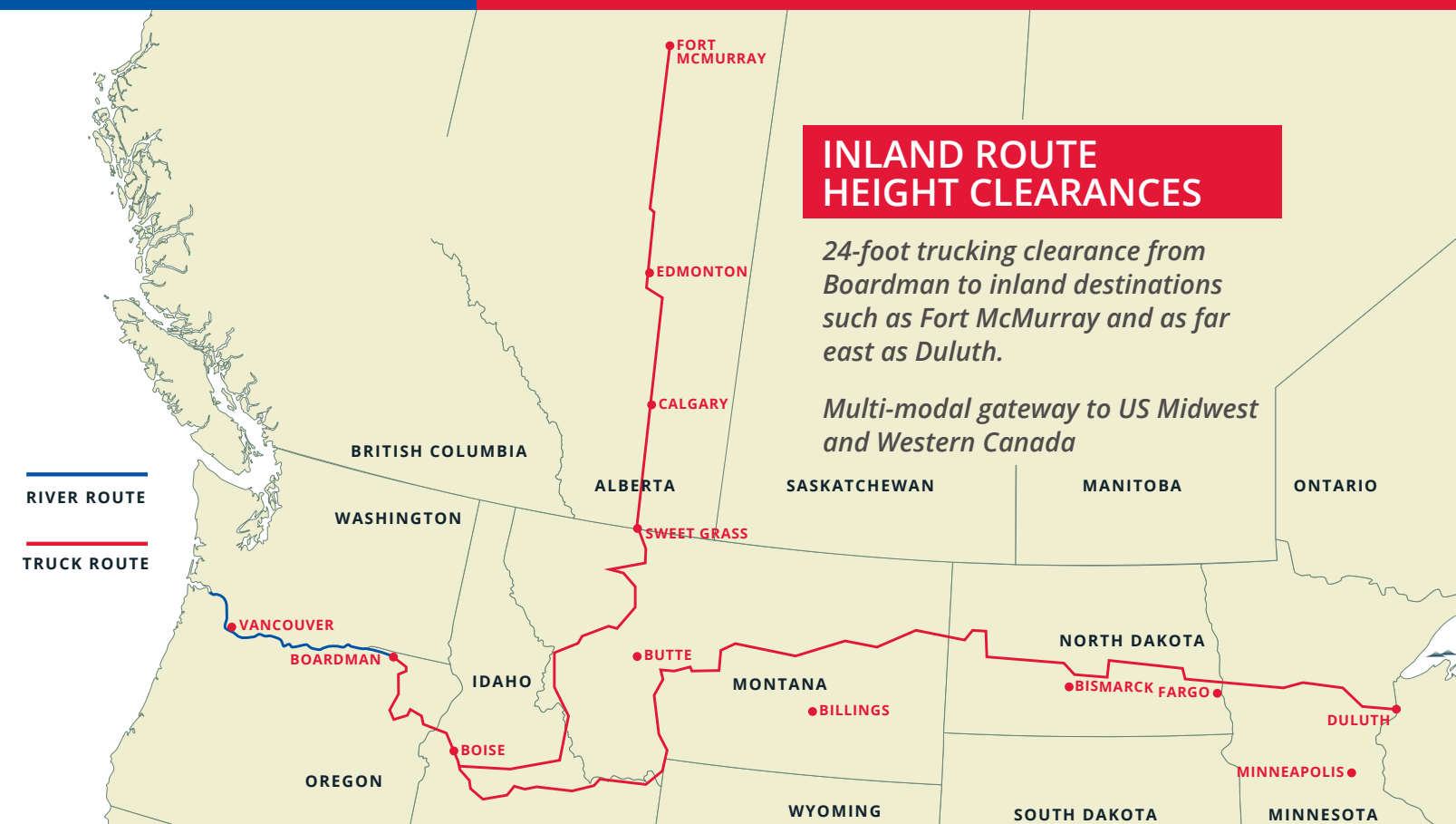
- The port is located at the end of the 43-foot deep shipping channel on the Columbia River
- A gateway to upriver barge ports on the Columbia-Snake River System.
- Vessel transit time from Astoria to Vancouver is approximately 6 hours.

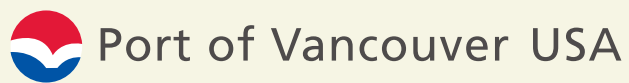
BENEFITS OF TRANSPORTING PROJECT CARGO ON THE COLUMBIA-SNAKE RIVER SYSTEM

- Vessel to barge direct transfer may reduce port fees and handling costs
- LO/LO and RO/RO options available at several docks and unimproved shoreline locations
- Navigation locks are 86-foot x 650-foot and can accommodate most any cargo limited by road and rail restrictions

VANCOUVER, WA TO:
Boardman, OR
Lewiston, ID

BARGE RIVER HOURS:
23
47





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