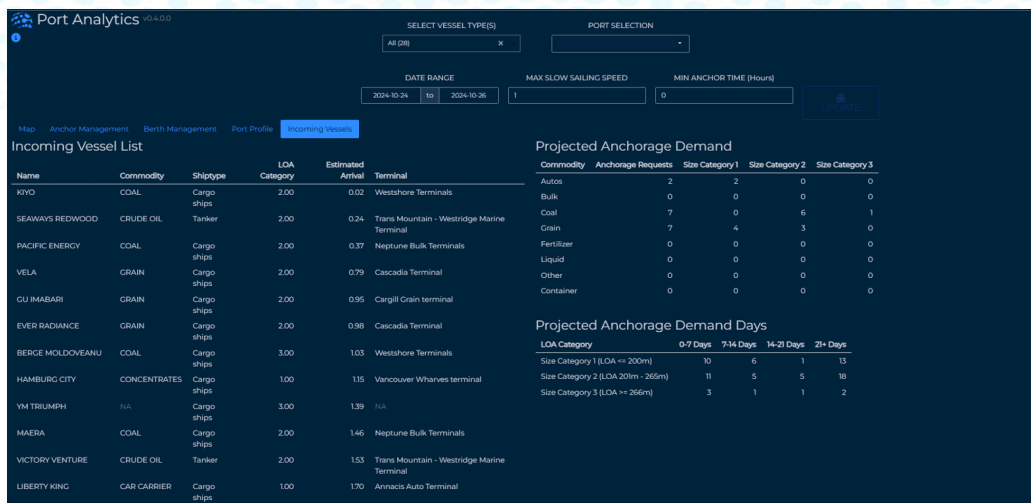
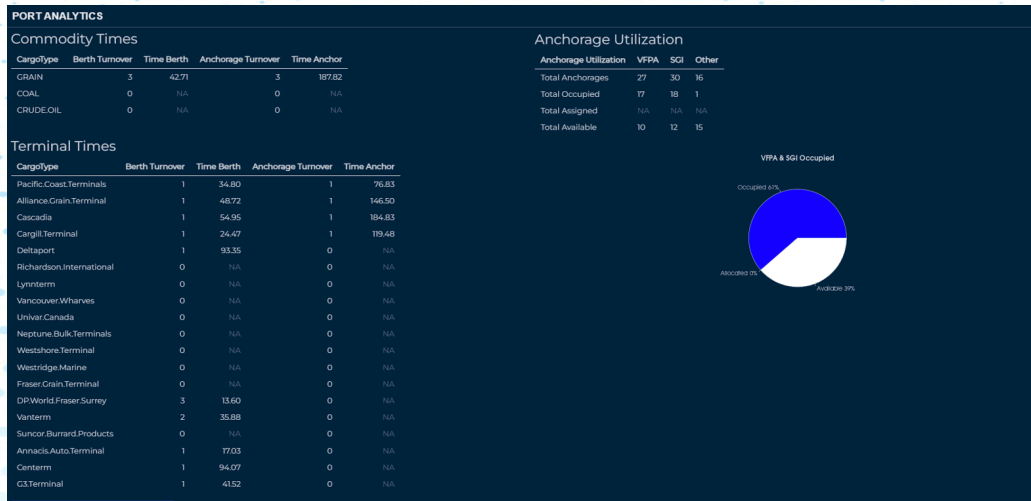
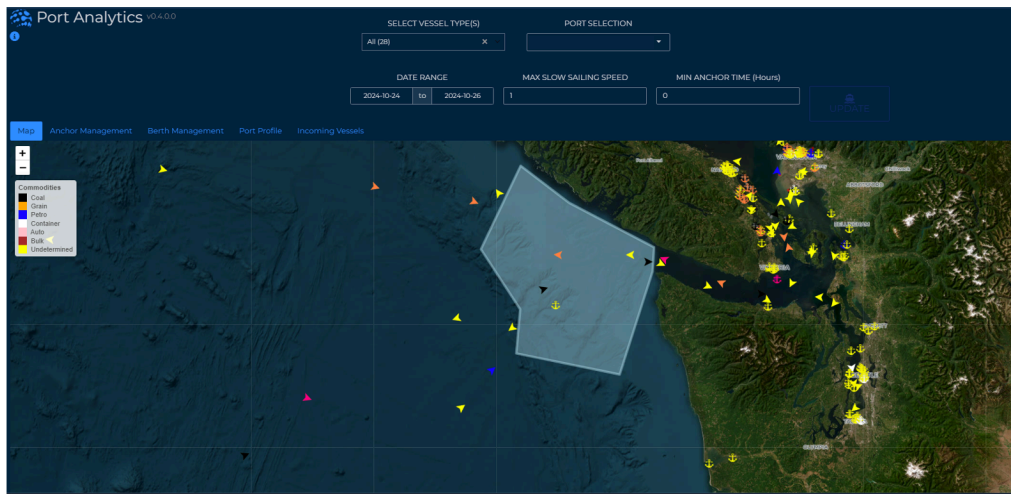




# Benefits of OCIANA® Anchorage Demand Forecasting

- Enhanced anchorage forecasts towards management of vessels to berths based on vessel type, vessel size and vessel order of arrival
- Additional detailed intelligence on incoming and outgoing vessels including commodities, terminal berthing and ETA predictions
- Historical and real time statistical analyses to better forecast Anchorage Occupancy Rate, Anchorage Turnover and Duration as well as Anchorage Capacity Utilization
- Facilitation of third party communication and collaboration in dynamic environments to support resource management for all maritime stakeholders including pilotages, terminal operators, shipping lines and regional communities





## Anchorage Utilization Summary



At Port Table

Cargo Type	Berth Turnover	At Berth	At Anchor	Anchorage Turnover	Total at Port
Bulk Carriers	4	14	35	7	49
NA	0	0	0	0	0
Tankers	1	3	0	0	3
Container	3	3	0	0	3
Passenger Ro Ro	0	1	0	0	1
Ro Ro	3	0	0	0	0

At Port Times

Cargo Type	Average Berth Time	Average Anchor Time
Bulk Carriers	37.38	105.48
NA	NaN	NaN
Tankers	24.72	NaN
Container	78.15	NaN
Passenger Ro Ro	NaN	NaN
Ro Ro	6.48	NaN

Commodity Port Times

Cargo Type	Berth Turnover	Time Berth	Anchorage Turnover	Time Anchor
GRAIN	3	42.71	3	187.82
COAL	0	NaN	0	NaN

CRUDE OIL 0 NaN 0 NaN

Anchorage Utilization

Anchorage Utilization	VFPA	SGI	Other
Total Anchorages	27	30	16
Total Occupied	17	18	1
Total Assigned	NA	NA	NA
Total Available	10	12	15

Anchorage Availability

Category	Available	% Occupied
Size Category 1 (LOA <= 200m)	8	50 %
Size Category 2 (LOA 201m - 265m)	7	73 %
Size Category 3 (LOA >= 266m)	8	47 %

Projected Demand

Commodity	Anchorage Requests	Size Category 1	Size Category 2	Size Category 3
Autos	0	0	0	0
Bulk	0	0	0	0
Coal	1	0	0	1
Grain	0	0	0	0
Fertilizer	0	0	0	0
Liquid	0	0	0	0
Other	0	0	0	0
Container	0	0	0	0

Projected Anchorage Demand

LOA Category	0-7 Days	7-14 Days	14-21 Days	21+ Days
Size Category 1 (LOA <= 200m)	10	5	5	18

Size Category 2 (LOA 201m - 265m)	8	8	1	28
Size Category 3 (LOA >= 266m)	3	5	1	4

Vessel Incoming

Name	Commodity	Shiptype	LOA Category	Estimated Arrival	Terminal
TWC ENDURANCE	NA	Other types	1	0.001	NA
ORIENTAL LEADER	NA	Cargo ships	2	0.020	NA
CLIPPER ISADORA	NA	Cargo ships	1	0.593	NA
KENZEN	NA	Cargo ships	1	1.168	NA
VIKING SEA	NA	Cargo ships	1	1.630	NA
MSC DOMINA X	NA	Cargo ships	3	1.879	NA
IBERIAN SEA	NA	Tanker	2	1.933	NA
PELICAN PACIFIC	CANOLA OIL	Tanker	1	2.055	Vanterm 4
BOCHEM PEGASOS	NA	Tanker	1	2.314	NA
DARYA LACHMI	NA	Other types	2	2.761	NA
NORD ANTHEM	NA	Cargo ships	1	2.844	NA
SUNLIGHT ACE	NA	Cargo ships	1	2.927	NA
YM TRILLION	NA	Cargo ships	3	3.791	NA
GLOVIS SPRING	NA	Cargo ships	1	4.183	NA
APL CHONGQING	NA	Cargo ships	3	4.185	NA
KASTOR	NA	Cargo ships	2	4.764	NA
KAYING	NA	Cargo ships	1	5.236	NA
CARLTON TRADER	NA	Cargo ships	2	5.555	NA
PABUR	NA	Cargo ships	2	5.736	NA
BETTY'S LOVE	NA	Cargo ships	2	6.609	NA
MAGIC MARS	NA	Cargo ships	2	6.912	NA
MSC SINDY	NA	Cargo ships	3	7.289	NA
ORIENTAL NAVIGATOR	COAL	Cargo ships	3	7.296	Westshore Terminals
ANTEY	NA	Tanker	1	7.353	NA

Contact GSTS for more information: [sales@gsts.ca](mailto:sales@gsts.ca)