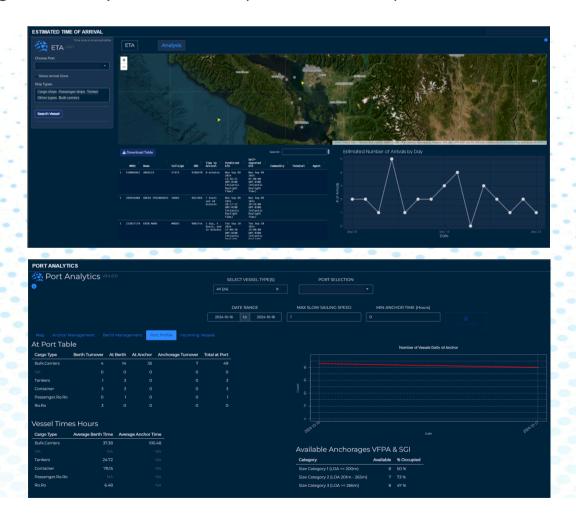
How OCIANA's Anchorage Demand Forecasting Capability Facilitates Environmental Sustainability

Want to reduce port congestion?

Plan to increase anchorage turnover? Need to optimize resource management?

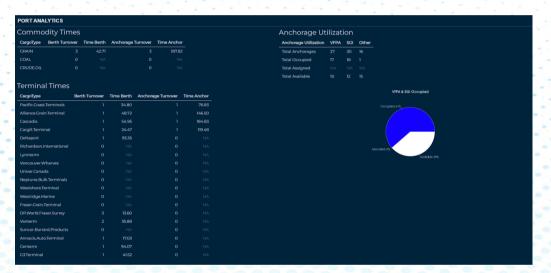
Environmental sustainability plays an increasingly significant role in today's maritime industry. Green strategies such as speed reduction, fuel switching, JIT arrival, as well as management of anchorages is thus a key consideration for ports and terminal operators.





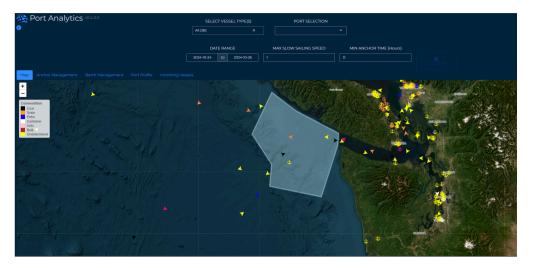
Benefits of OCIANA® Anchorage Demand Forecasting

- 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



🔅 Port Analy 0	/tics v0.4.0.0				SELECT VESSEL TYPE(S) All (28) X <		PORT SELECTION					
					DATE RANCE	MAX SLOW SAILI	NG SPEED	MIN ANCH	OR TIME (I			
					2024-10-24 to 2024-10-26							
Map Anchor Management Berth Management Port Profile Incoming Vessels												
Incoming Vess	el List					Projecte	d Anchorage	Dema	nd			
			LOA	Estimated		Commodity	Anchorage Request:	Size Cat	ngory1 \$	ize Category 2	Size Categ	ory 3
Name	Commodity	Shiptype	Category	Arrival	Terminal							
		Cargo ships			Westshore Terminals	Bulk						
SEAWAYS REDWOOD		Tanker			Trans Mountain - Westridge Marine Terminal	Coal Grain						
PACIFIC ENERGY		Cargo ships			Neptune Bulk Terminals	Fertilizer Liquid						
	GRAIN	Cargo ships			Cascadia Terminal	Other						
GU IMABARI	GRAIN	Cargo ships			Cargill Grain terminal							
EVER RADIANCE			Cascadia Terminal	Projected Anchorage Demand Days								
		ships				LOA Categor		0-7 Days	7-14 Day	s 14-21 Days	21+ Days	
BERGE MOLDOVEANU		Cargo ships			Westshore Terminals	Size Category	y1 (LOA <= 200m)	10		5 1	13	
HAMBURG CITY	CONCENTRATES						y 2 (LOA 201m - 265m) y 3 (LOA >= 266m)					
YM TRIUMPH		Cargo ships										
MAERA		Cargo ships			Neptune Bulk Terminals							
VICTORY VENTURE					Trans Mountain - Westridge Marine Terminal							
LIBERTY KING	CAR CARRIER											





Anchorage	Utilizatior	n Sumn	nary		
OCIANA					
At Port Table					
Cargo Type	Berth Turnover	At Berth	At Anchor	Anchorage Turnove	r Total at Port
Bulk.Carriers	4	14	35		7 49
NA	0	0	0		0 0
Tankers	1	3	0) 3
Container	3	3	0) 3
Passenger.Ro.Ro	0	1	0	(0 1
Ro.Ro	3	0	0		0 0
At Port Times					
Cargo Type		Ave	rage 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					
CargoType	Berth Turnover	Time Be	erth	Anchorage Turnover	Time Anchor
GRAIN	3	42	.71	3	187.82
COAL	0	N	laN	0	NaN

	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			Availa	ble % Occupied	
Size Category 1 (LOA <= 200m)				8 50 %	
Size Category 2 (LOA 201m - 265	śm)			7 73 %	
Size Category 3 (LOA >= 266m) Projected Demand				8 47 %	
	Anchorage Requests	Size Category 1	Size Cate		Size Category 3
Projected Demand	Anchorage Requests	Size Category 1	Size Cate		Size Category 3
Projected Demand Commodity			Size Cate	egory 2 §	
Projected Demand Commodity Autos	0	0	Size Cate	egory 2 5	0
Projected Demand Commodity Autos Bulk	0	0	Size Cate	egory 2 5	0
Projected Demand Commodity Autos Bulk Coal	0	0	Size Cate	sgory 2 s 0 0 0	C C
Projected Demand Commodity Autos Bulk Coal Grain	0 0 1 0	0 0 0 0	Size Cate	egory 2 5 0 0 0 0	C C 1
Projected Demand Commodity Autos Bulk Ccal Grain Fertilizer Liquid	0 0 1 0 0	0 0 0 0 0 0 0 0 0	Size Cate	sgory 2 5 0 0 0 0 0 0	1 0 0 1 0 0
Projected Demand Commodity Autos Bulk Coal Grain Fertilizer Liquid Other	0 0 1 0 0 0	0 0 0 0 0	Size Cate	sgory 2 5 0 0 0 0 0 0	
Projected Demand Commodity Autos Bulk Coal Grain Fertilizer Liqud Other Container	0 0 1 0 0 0	0 0 0 0 0 0	Size Cate	Egory 2 5 0 0 0 0 0 0 0 0 0 0	
Projected Demand Commodity Autos Bulik Coal Grain Fertilizer Liquid Other	0 0 1 0 0 0	0 0 0 0 0 0	Size Cate	Egory 2 5 0 0 0 0 0 0 0 0 0 0	

Size Category 2 (LOA 201m - 2	265m)		8	8	1
Size Category 3 (LOA >= 266m)			3	5	1
/essel 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 DOMNA 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
BETTYS 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

Contact GSTS for more information: sales@gsts.ca

