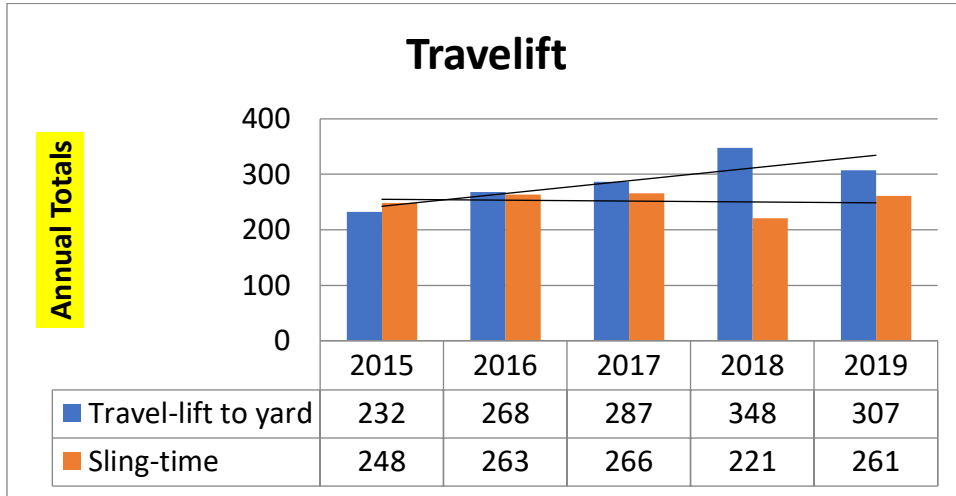


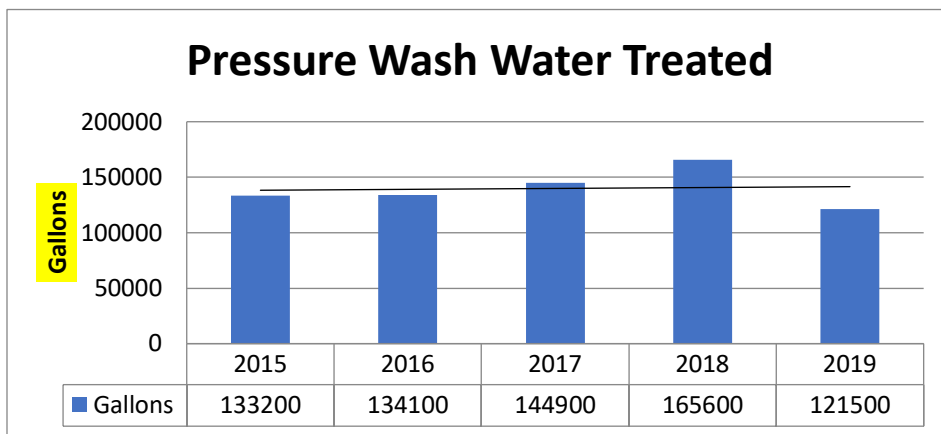
## 2019 Port Operations Annual Activity Summary: Environmental Data

### TRAVELIFT & BOATYARD

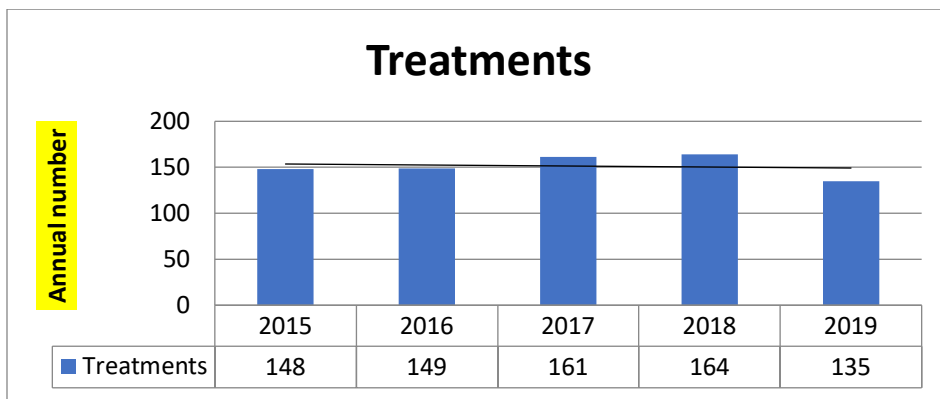
Travelift is trending upward and shows steady increases over the past five years although the number of Travelift to yard were down slightly in 2019 but sling times were up by about the same amount.



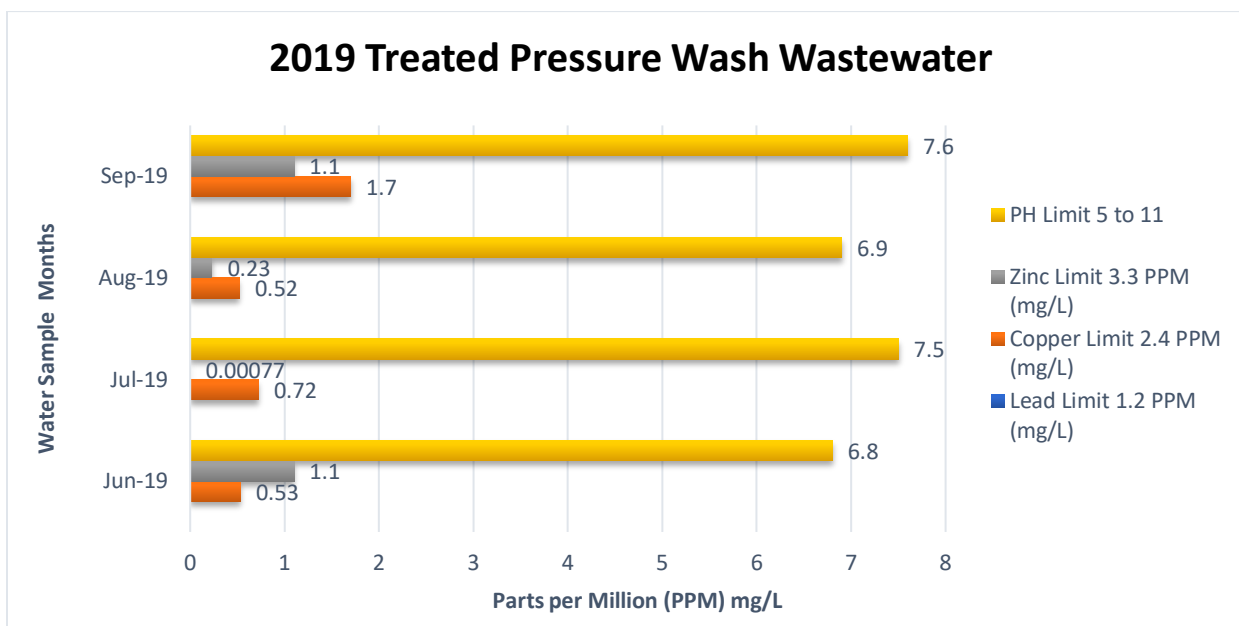
Pressure Wash Water treatments show that: 700,000 gallons of water across our pressure wash pad has been properly treated and disposed in the last 5 years.



Port staff complete an average of 151 treatments per year.



Maximum daily effluent limit is the highest allowable daily discharge. All limits for discharge to Sanitary Sewer were met. Limits are set at parts per million (mg/L).

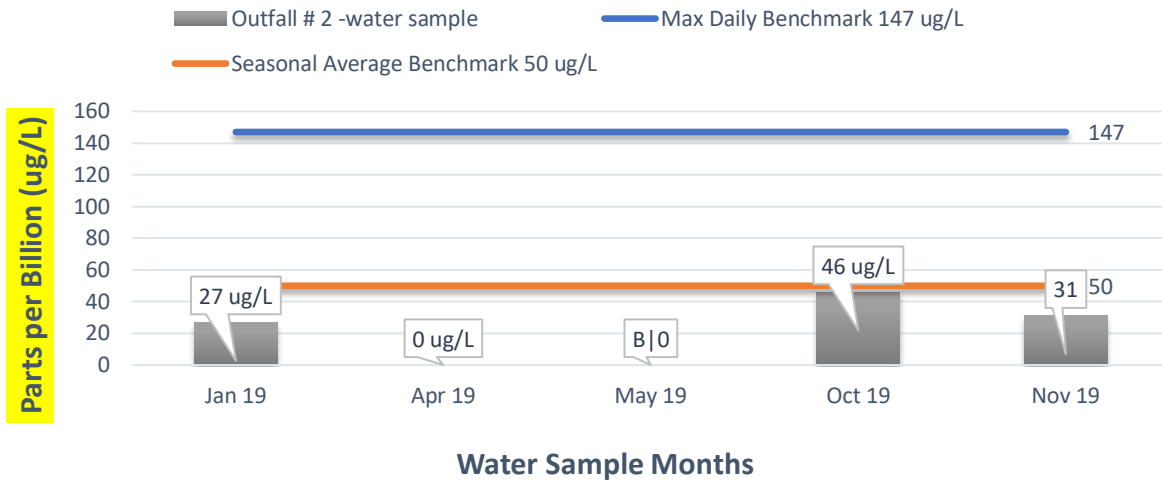


**SLUDGE:** The sludge from the pressure wash water that is filtered out is tested annually to verify its waste designation. It was exposed to a 96-hour bioassay test which concluded that it should not be classified as either an “Extremely Hazardous Waste” nor as a “Dangerous Waste”. Staff will continue to dispose of sludge as a solid waste.

Boatyard Stormwater samples are required as part of the Boatyard General Permit. The current boatyard permit was effective August 8, 2016 and is set to expire July 31, 2021. Department of Ecology has established stormwater runoff *benchmarks* at parts per billion PPB (ug/L) levels for both copper and zinc. The maximum daily *benchmark* for copper is 147ug/L and for zinc it is 90ug/L. There is a seasonal average *benchmark* of; 50ug/L for copper, and 85ug/L for zinc.

To determine whether we have met the seasonal average for the Boatyard General Permit, we calculate the arithmetic average of all the daily discharge concentrations determined during the entire wet season (October-May). The daily discharge is the average measurement of the pollutant over a day.

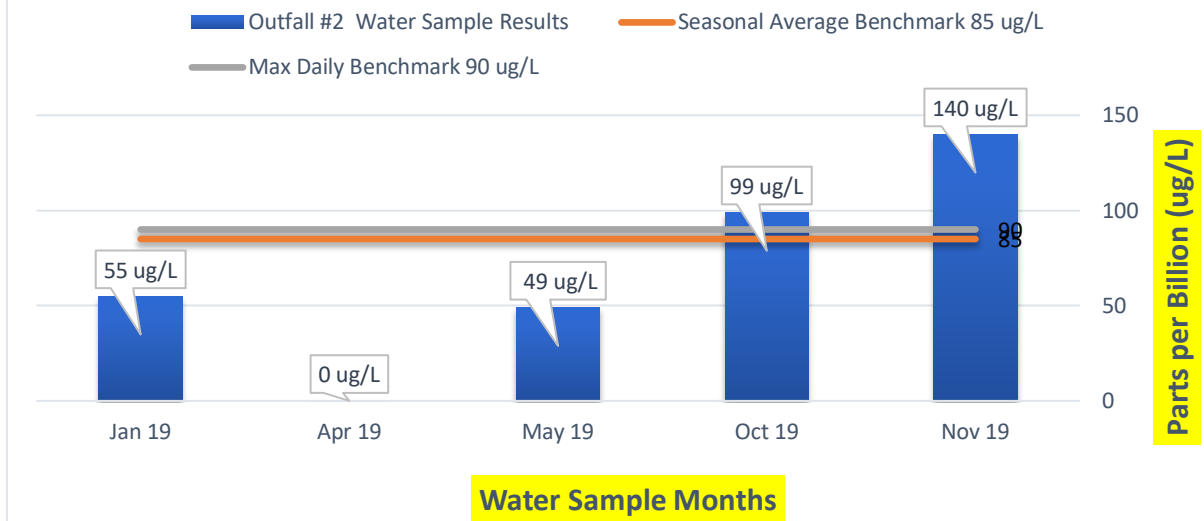
## 2019 Boatyard Stormwater Sample Results - Copper



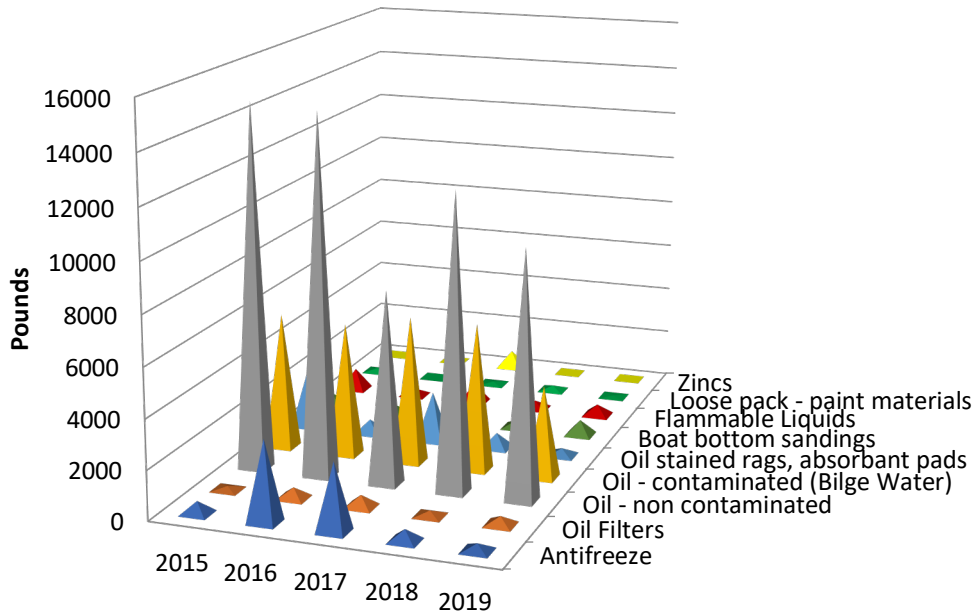
**COPPER:** Outfall was not accessible during 1 storm event (April). In May, B|0 code indicates no copper was detected. Seasonal Average benchmark for Copper is  $\leq 50$  POE seasonal average for Oct & Nov 2018, & Jan, Apr, May 2019 was 37.3 and reported to DOE in May 2019. We passed our seasonal average for Copper.

**ZINC:** Outfall was not accessible during 1 rain event (April). Seasonal Average benchmark for Zinc is  $\leq 85$  POE seasonal average for Oct & Nov 2018, & Jan, Apr, May 2019 was 88 and reported to DOE in May 2019. Exceedance of this benchmark by 3 parts per billion required an updated Level Three Response to DOE which is attached.

## 2019 Boatyard Stormwater Sample Results - Zinc



**Hazardous Waste  
Collected & Properly Disposed  
107,719 pounds from 2015-2019**



	2015	2016	2017	2018	2019
Antifreeze	500	3296	2751	478	300
Oil Filters	150	438	480	213	350
Oil - non contaminated	14800	14615	7800	11960	9975
Oil - contaminated (Bilge Water)	5586	5453	6000	6000	3753
Oil stained rags, absorbant pads	2500	579	2050	630	300
Boat bottom sandings	600	420	735	315	632
Flammable Liquids	900	290	818	341	470
Loose pack - paint materials	150	0	100	207	50
Zincs	0	0	734	0	0

Largest quantities recycled and/or disposed are from non-contaminated Oil and Bilge Water.