

## Summary: Marine and Environmental Monitoring Results, as of May 26, 2017

**Blue**= normal value or meeting standards

**Orange**= abnormal value or not meeting standards

**Purple**= within water quality standards, but variable results

**Yellow** = concern or fluctuating results

<b>Reporting dates</b> Reporting dates are two weeks delayed from monitoring dates	<b>Mar. 17</b>	<b>Mar. 31</b>	<b>Apr. 14</b>	<b>Apr. 28</b>	<b>May 12</b>	<b>May 26</b>
<b>Marine Monitoring at 13 locations</b>	<b>Plan and reports:</b> <a href="http://www.kingcounty.gov/depts/dnrp/wtd/system/west/west-point-restoration/marine-monitoring.aspx">http://www.kingcounty.gov/depts/dnrp/wtd/system/west/west-point-restoration/marine-monitoring.aspx</a>					
Nutrients						
Dissolved Oxygen						
Fecal Coliform						
<b>Beach monitoring at 20 locations</b>						
All locations						
<b>Permit Required Monitoring</b>	<b>Plan and reports:</b> <a href="http://www.kingcounty.gov/depts/dnrp/wtd/system/west/west-point-restoration/environmental-monitoring.aspx">http://www.kingcounty.gov/depts/dnrp/wtd/system/west/west-point-restoration/environmental-monitoring.aspx</a>					
<b>Effluent Monitoring</b>						
- Total Suspended Solids						*
- Biochemical Oxygen Demand						*
- Chlorine						*
- Fecal Coliform						
Whole effluent toxicity – acute test	Test conducted on March 21, 2017 (no toxicity)					
Whole effluent toxicity – chronic test	Test conducted during April 4-9, 2017 (no toxicity)					
Sediment at West Point main outfall	Sampling planned for August/September					
<b>Additional Monitoring</b>	<b>Plan and reports:</b> <a href="http://www.kingcounty.gov/depts/dnrp/wtd/system/west/west-point-restoration/environmental-monitoring.aspx">http://www.kingcounty.gov/depts/dnrp/wtd/system/west/west-point-restoration/environmental-monitoring.aspx</a>					
Effluent sampling for metals and organics	✓	✓	n/a	✓	✓	✓
Mixing discharge analysis – effects of effluent on metals, ammonia, and chlorine in Puget Sound at the outfall			✓	✓	✓	✓
Loading analysis – characterize the loadings during the period of reduced treatment						In. prep.
Dispersion analysis	Historical analysis (completed)					

\* Effluent limitations for biochemical oxygen demand, total suspended solids, and residual chlorine were exceeded in April. However, the secondary treatment process was restored by the end of April, and other processes at West Point and the ability to comply with these effluent limits resumed on May 10<sup>th</sup>.