

**471423122115002 HYPOLIMNION-LAKE TAPPS NEAR SUMNER, WA SITE 8**

Puget Sound Basin  
Puyallup Subbasin

LOCATION.--Lat 47°14'23", long 122°11'50" referenced to North American Datum of 1983, Pierce County, WA, Hydrologic Unit 17110014, about 1.35 mi west of Lake Tapps Park and 200 ft east of Sumner-Tapps Hwy E. bridge over outlet.

**WATER-QUALITY RECORDS**

PERIOD OF RECORD.--July to December 2010 (discontinued).

COOPERATION.--Cascade Water Alliance

**WATER-QUALITY DATA**

**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Part 1 of 3

[N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; m, meters; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than]

Date	Sample start time	Temperature, air, °C (00020)	Depth to bottom from water surface, at sampling location, meters (82903)	Dissolved oxygen, water, unfiltered, mg/L (00300)	pH, water, unfiltered, field, standard units (00400)	Specific conductance, water, unfiltered, µS/cm at 25 °C (00095)	Temperature, water, °C (00010)	Turbidity, water, unfiltered, broad band light source (400-680 nm), detectors at multiple angles including 90 +/- 30 degrees, ratiometric correction, NTRU (63676)	Sampling depth, m (00098)
10-13-2010	1000	9.0	9.70	8.7	7.6	66	16.2	.7	8.5
10-26-2010	1350	6.6	9.80	8.8	7.5	66	13.7	1.3	9.0
11-17-2010	1130	10.4	8.20	9.2	7.4	66	10.9	3.2	7.5
12-08-2010	0840	8.9	8.20	9.9	7.4	68	6.8	2.4	7.0

**WATER-QUALITY DATA**

**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Part 2 of 3

[N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; m, meters; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than]

Date	Sample start time	Number of sampling points, count (00063)	Sampling method (82398)	Suspended solids, water, unfiltered, mg/L (00530)	Ammonia, water, filtered, mg/L as N (00608)	Nitrate plus nitrite, water, filtered, mg/L as N (00631)	Nitrite, water, filtered, mg/L as N (00613)	Orthophosphate, water, filtered, mg/L as P (00671)	Phosphorus, water, filtered, mg/L as P (00666)
10-13-2010	1000	1	Point sample	< 1.1	.017	< .008	< .001	< .004	< .003
10-26-2010	1350	1	Point sample	< 1.1	< .010	< .008	< .001	< .004	.003
11-17-2010	1130	1	Point sample	< 1.1	.021	.015	.001	< .004	< .003
12-08-2010	0840	1	Point sample	< 1.1	.035	.030	.001	.004	< .003

## 471423122115002 HYPOLIMNION-LAKE TAPPS NEAR SUMNER, WA SITE 8—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Part 3 of 3

[N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; m, meters; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius;  $\mu$ S/cm, microsiemens per centimeter;  $\mu$ g/L, micrograms per liter; <, less than]

Date	Sample start time	Phosphorus, water, unfiltered, mg/L as P (00665)	Total nitrogen, water, filtered, analytically determined, mg/L (62854)	Total nitrogen, water, unfiltered, analytically determined, mg/L (62855)	Chlorophyll, total, water, fluorometric, 650-700 nm, in situ sensor, $\mu$ g/L (62361)
10-13-2010	1000	.004	.11	.13	.41
10-26-2010	1350	.005	.12	.17	.45
11-17-2010	1130	.007	.14	.14	.47
12-08-2010	0840	.006	--	.16	.54