



Water-Data Report 2011

471405122093302 HYPOLIMNION-LAKE TAPPS NEAR SUMNER, WA SITE 4

Puget Sound Basin
Puyallup Subbasin

LOCATION.--Lat 47°14'05.28", long 122°09'33.05" referenced to North American Datum of 1983, Pierce County, WA, Hydrologic Unit 17110014, about .6 mi southeast of Tapps Lake Park.

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; E, estimated]

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	1150	9.8	14.2	.4	7.2	71	14.5	2.1	13.5
10-27-2010	0910	8.6	14.0	9.1	7.5	66	13.1	2.3	13.0
11-17-2010	1020	9.6	13.2	9.8	7.5	66	10.7	1.7	12.5
12-08-2010	1210	11.8	12.3	10.9	7.5	67	6.3	1.6	11.5

WATER-QUALITY DATA

WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 2 of 3

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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	1150	1	Point sample	< 1.1	.028	< .008	< .001	< .004	< .003
10-27-2010	0910	1	Point sample	E 1.6	< .010	< .008	< .001	< .004	< .003
11-17-2010	1020	1	Point sample	< 1.1	.019	.016	.001	< .004	< .003
12-08-2010	1210	1	Point sample	< 1.1	.017	.031	< .001	.004	< .003

471405122093302 HYPOLIMNION-LAKE TAPPS NEAR SUMNER, WA SITE 4—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 3 of 3

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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, µg/L (62361)
10-13-2010	1150	.006	.13	.15	.69
10-27-2010	0910	.006	.13	.15	.48
11-17-2010	1020	.005	.14	.16	.56
12-08-2010	1210	.004	.16	.17	.81