

Water-Data Report 2012

12214300 SUMAS RIVER AT MASSEY ROAD NEAR NOOKSACK, WA

Puget Sound Basin
Fraser Subbasin

LOCATION.--Lat 48°54'21", long 122°18'59" referenced to North American Datum of 1927, in SW ¼ SE ¼ sec.32, T.40 N., R.4 E., Whatcom County, WA, Hydrologic Unit 17110001, on right bank, at Massey Road, 1.5 mi southeast of Nooksack.

DRAINAGE AREA.--8.6 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--January 2011 to September 2012 (discontinued).

GAGE.--Water-stage recorder. Elevation of gage is arbitrary. U.S. Geological Survey telemeter at station.

REMARKS.--Records good except for estimated daily discharges, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 57 ft³/s, Nov. 23, 2011; minimum daily discharge, 1.60 ft³/s, Sept. 9, 12, 16, 17, 2011.

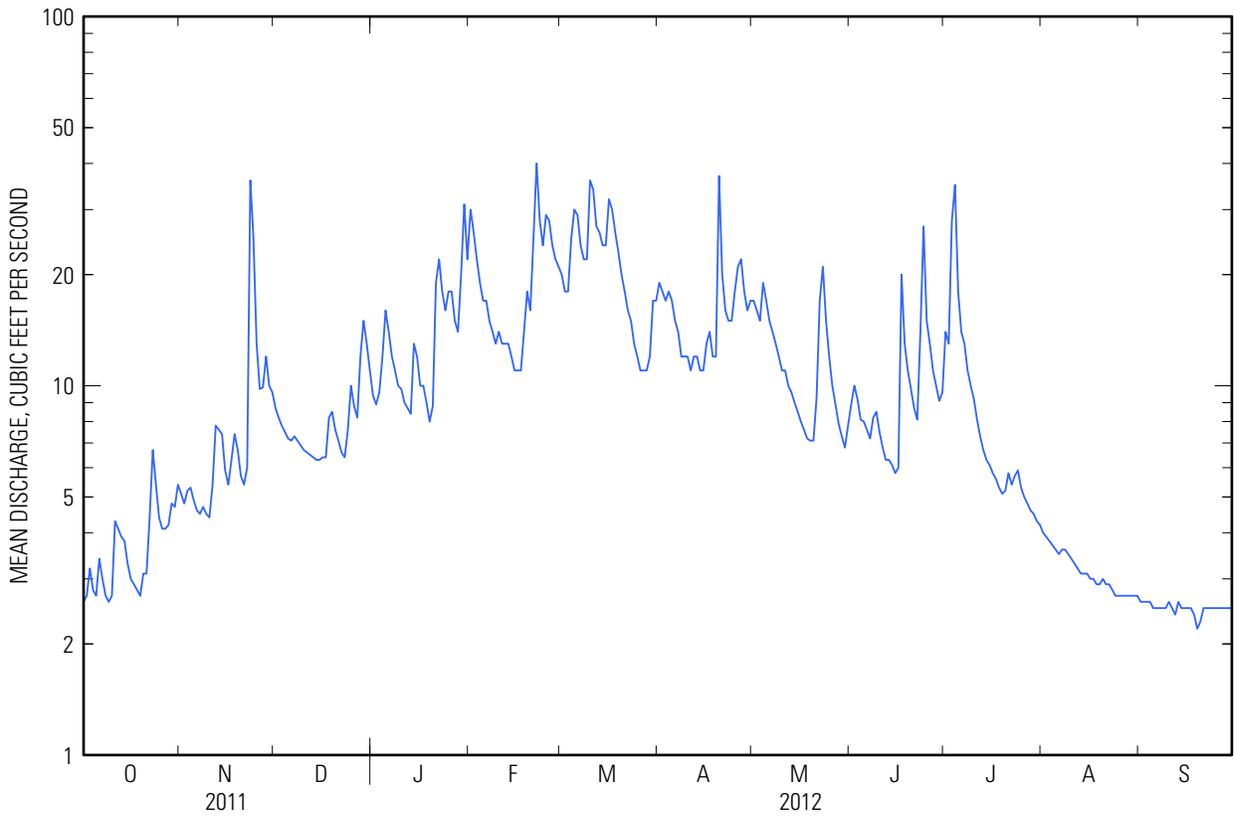
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 57 ft³/s, Nov. 23, gage height 10.24 ft; minimum discharge, 2.0 ft³/s, Sept. 19, gage height 6.70 ft.

12214300 SUMAS RIVER AT MASSEY ROAD NEAR NOOKSACK, WA—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	2.6	5.1	8.7	9.4	30	20	19	17	8.9	14	4.0	2.6
2	2.7	4.8	8.2	8.9	26	18	18	16	10	13	3.9	2.6
3	3.2	5.2	7.8	9.6	22	18	17	15	9.2	28	3.8	2.6
4	2.8	5.3	7.5	12	19	25	18	19	8.1	35	3.7	2.6
5	2.7	4.9	7.2	16	17	30	17	17	8.0	18	3.6	2.5
6	3.4	4.6	7.1	14	17	29	15	15	7.6	14	3.5	2.5
7	3.0	4.5	7.3	12	15	24	14	14	7.2	13	3.6	2.5
8	2.7	4.7	7.1	11	14	22	12	13	8.2	11	3.6	2.5
9	2.6	4.5	6.9	10	13	22	12	12	8.5	10	3.5	2.5
10	2.7	4.4	6.7	9.8	14	36	12	11	7.5	9.2	3.4	2.6
11	4.3	5.4	6.6	9.0	13	34	11	11	6.8	8.1	3.3	2.5
12	4.1	7.8	6.5	8.7	13	27	12	10	6.3	7.3	3.2	2.4
13	3.9	7.6	6.4	8.4	13	26	12	9.6	6.3	6.7	3.1	2.6
14	3.8	7.4	6.3	13	12	24	11	9.0	6.1	6.3	3.1	2.5
15	3.3	5.9	6.3	12	11	24	11	8.5	5.8	6.1	3.1	2.5
16	3.0	5.4	6.4	10	11	32	13	8.0	6.0	5.8	3.0	2.5
17	2.9	6.3	6.4	10	11	30	14	7.6	20	5.6	3.0	2.5
18	2.8	7.4	8.2	e9.0	14	26	12	7.2	13	5.3	2.9	2.4
19	2.7	6.7	8.5	e8.0	18	23	12	7.1	11	5.1	2.9	2.2
20	3.1	5.7	7.6	8.8	16	20	37	7.1	9.8	5.2	3.0	2.3
21	3.1	5.4	7.1	19	25	18	20	9.3	8.7	5.8	2.9	2.5
22	4.4	6.0	6.6	22	40	16	16	17	8.1	5.4	2.9	2.5
23	6.7	36	6.4	18	28	15	15	21	14	5.7	2.8	2.5
24	5.4	25	7.6	16	24	13	15	15	27	5.9	2.7	2.5
25	4.4	13	10	18	29	12	18	12	15	5.3	2.7	2.5
26	4.1	9.8	8.8	18	28	11	21	10	13	5.0	2.7	2.5
27	4.1	9.9	8.2	15	24	11	22	8.9	11	4.8	2.7	2.5
28	4.2	12	12	14	22	11	18	7.9	10	4.6	2.7	2.5
29	4.8	10	15	20	21	12	16	7.3	9.1	4.5	2.7	2.5
30	4.7	9.6	13	31	---	17	17	6.8	9.6	4.3	2.7	2.5
31	5.4	---	11	22	---	17	---	7.8	---	4.2	2.7	---
Mean	3.66	8.34	8.05	13.6	19.3	21.4	15.9	11.5	9.99	9.10	3.14	2.50
Max	6.7	36	15	31	40	36	37	21	27	35	4.0	2.6
Min	2.6	4.4	6.3	8.0	11	11	11	6.8	5.8	4.2	2.7	2.2

12214300 SUMAS RIVER AT MASSEY ROAD NEAR NOOKSACK, WA—Continued



12214300 SUMAS RIVER AT MASSEY ROAD NEAR NOOKSACK, WA—Continued

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--

TURBIDITY: April 2011 to September 2012 (discontinued).

INSTRUMENTATION.--Turbidity sensor, since April 2011, with 15-min logging interval.

REMARKS.--Records are fair to poor.

EXTREMES FOR PERIOD OF DAILY RECORD.--

TURBIDITY: Maximum, 230 FNU, Aug. 3, 2011; minimum, 0.0 FNU, many days each year.

EXTREMES FOR CURRENT YEAR.--

TURBIDITY: Maximum, 120 FNU, Nov. 23, June 23; minimum, 0.0 FNU, many days during the year.

**TURBIDITY, WATER, UNFILT, NEAR IR LED LIGHT, 780-900 NM, DETECT ANG. 90 DEG, FORMAZIN NEPHELOMETRIC UNITS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	October			November			December			January		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Max	---	---	---	---	---	---	---	---	---	---	---	---
Min	---	---	---	---	---	---	---	---	---	---	---	---

12214300 SUMAS RIVER AT MASSEY ROAD NEAR NOOKSACK, WA—Continued

TURBIDITY, WATER, UNFILT, NEAR IR LED LIGHT, 780-900 NM, DETECT ANG. 90 DEG, FORMAZIN NEPHELOMETRIC UNITS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	February			March			April			May		
1	---	---	---	---	---	---	---	---	---	2.1	1.2	1.4
2	---	---	---	---	---	---	---	---	---	9.5	1.1	1.4
3	---	---	---	---	---	---	---	---	---	2.6	1.4	1.8
4	---	---	---	---	---	---	---	---	---	2.1	1.0	1.1
5	---	---	---	---	---	---	---	---	---	22	0.9	1.1
6	---	---	---	---	---	---	---	---	---	13	0.9	2.2
7	---	---	---	---	---	---	---	---	---	37	2.1	7.5
8	---	---	---	---	---	---	---	---	---	21	2.6	5.4
9	---	---	---	---	---	---	---	---	---	2.6	1.7	1.9
10	---	---	---	---	---	---	---	---	---	14	1.2	1.4
11	---	---	---	---	---	---	---	---	---	210	1.1	3.9
12	---	---	---	---	---	---	---	---	---	180	9.5	32
13	---	---	---	---	---	---	---	---	---	11	2.0	4.9
14	---	---	---	---	---	---	---	---	---	2.3	1.6	1.9
15	---	---	---	---	---	---	---	---	---	4.2	1.6	2.2
16	---	---	---	---	---	---	---	---	---	13	2.7	6.4
17	---	---	---	---	---	---	---	---	---	75	13	35
18	---	---	---	---	---	---	---	---	---	36	2.0	3.3
19	---	---	---	---	---	---	---	---	---	2.1	1.4	1.6
20	---	---	---	---	---	---	---	---	---	3.3	1.2	1.4
21	---	---	---	---	---	---	---	---	---	2.1	1.1	1.3
22	---	---	---	---	---	---	5.3	1.0	1.6	15	1.1	1.4
23	---	---	---	---	---	---	2.4	0.9	1.1	3.0	1.1	1.3
24	---	---	---	---	---	---	3.2	0.9	1.0	4.6	1.2	1.5
25	---	---	---	---	---	---	3.3	0.8	1.1	13	1.2	1.6
26	---	---	---	---	---	---	2.9	1.4	2.0	4.0	1.3	1.8
27	---	---	---	---	---	---	180	1.2	1.4	3.6	1.2	1.5
28	---	---	---	---	---	---	140	4.7	13	2.3	1.2	1.5
29	---	---	---	---	---	---	7.0	2.3	4.4	2.0	1.2	1.4
30	---	---	---	---	---	---	4.2	1.5	2.1	2.0	1.2	1.4
31	---	---	---	---	---	---	---	---	---	2.2	1.3	1.5
Max	---	---	---	---	---	---	---	---	---	210	13	35
Min	---	---	---	---	---	---	---	---	---	2.0	0.9	1.1

12214300 SUMAS RIVER AT MASSEY ROAD NEAR NOOKSACK, WA—Continued

TURBIDITY, WATER, UNFILT, NEAR IR LED LIGHT, 780-900 NM, DETECT ANG. 90 DEG, FORMAZIN NEPHELOMETRIC UNITS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	June			July			August			September		
1	2.5	1.3	1.6	13	2.6	3.6	59	3.0	4.7	5.5	2.2	2.9
2	5.2	1.3	1.6	15	2.6	4.5	73	3.6	5.6	18	2.4	3.3
3	4.0	1.2	1.7	57	2.4	4.3	230	4.2	9.2	6.1	2.4	3.4
4	3.7	1.4	1.8	18	2.6	4.2	17	3.4	4.4	14	2.5	3.3
5	3.4	1.5	1.9	61	2.5	3.8	14	3.4	4.3	12	2.2	3.3
6	4.6	1.5	2.2	6.8	2.4	3.4	11	3.3	4.2	5.8	2.4	3.2
7	4.4	1.8	2.3	6.4	2.2	3.3	20	3.6	4.8	30	2.3	3.2
8	4.8	1.7	2.2	7.0	2.3	3.4	11	3.6	4.5	17	2.4	3.2
9	4.3	1.8	2.3	9.2	2.4	3.5	120	3.9	5.0	7.7	2.2	3.0
10	4.2	1.8	2.3	6.6	2.5	3.7	11	3.8	4.9	6.2	2.4	3.0
11	4.7	1.9	2.7	6.4	2.7	3.9	12	3.8	5.0	7.2	2.3	3.0
12	12	2.0	3.2	10	2.6	3.4	15	3.9	5.3	4.1	2.1	2.7
13	4.6	2.0	2.9	7.9	2.7	3.7	91	4.0	8.9	6.7	1.9	2.5
14	6.2	2.0	3.1	33	2.6	5.2	64	3.7	4.9	10	2.1	2.8
15	4.9	2.0	3.2	35	2.8	4.2	13	4.0	5.2	21	2.0	2.7
16	7.6	2.0	3.0	7.3	2.2	3.5	38	3.9	5.1	5.9	2.1	2.7
17	5.9	1.9	3.3	85	2.7	4.7	66	3.8	5.1	5.8	2.1	2.7
18	6.6	2.6	3.5	85	3.0	4.4	---	---	---	31	2.0	2.6
19	5.3	2.4	3.1	69	2.5	4.3	---	---	---	14	1.9	2.4
20	9.6	2.0	3.5	88	2.5	4.2	---	---	---	7.3	1.8	2.3
21	6.1	2.5	3.5	110	3.1	7.0	---	---	---	5.0	1.8	2.3
22	8.5	2.3	3.4	18	2.3	4.1	---	---	---	6.4	1.8	3.2
23	7.5	2.4	3.2	28	2.6	5.3	---	---	---	5.6	---	---
24	9.9	2.2	3.4	37	2.5	4.0	---	---	---	5.4	1.5	2.1
25	7.2	2.3	3.4	70	2.7	3.7	6.7	2.0	2.6	5.2	---	---
26	6.0	2.4	3.7	9.0	2.9	3.8	16	2.0	3.1	9.0	1.8	2.5
27	9.1	2.4	3.7	43	3.1	4.4	11	2.2	3.0	5.3	1.8	2.9
28	6.4	2.8	3.8	29	3.5	4.6	6.3	2.5	3.2	6.0	1.6	2.3
29	15	2.3	3.7	25	3.1	4.6	8.4	2.7	3.3	5.0	1.5	2.2
30	14	2.7	3.9	110	3.0	4.8	9.5	2.6	3.4	7.5	1.5	2.3
31	---	---	---	17	3.0	4.1	5.7	2.6	3.4	---	---	---
Max	15	2.8	3.9	110	3.5	7.0	---	---	---	31	---	---
Min	2.5	1.2	1.6	6.4	2.2	3.3	---	---	---	4.1	---	---

12214300 SUMAS RIVER AT MASSEY ROAD NEAR NOOKSACK, WA—Continued

TURBIDITY, WATER, UNFILT, NEAR IR LED LIGHT, 780-900 NM, DETECT ANG. 90 DEG, FORMAZIN NEPHELOMETRIC UNITS
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	October			November			December			January		
1	7.5	1.6	2.4	17	1.1	1.4	2.4	0.5	0.6	0.9	0.3	0.5
2	37	1.5	2.2	2.8	1.0	1.4	2.8	0.5	0.6	2.6	0.3	0.4
3	18	1.7	2.8	5.2	1.1	1.7	1.5	0.5	0.7	2.6	0.4	0.8
4	16	1.5	2.5	5.5	1.0	1.6	2.6	0.4	0.6	15	0.6	3.5
5	7.5	1.5	3.0	3.3	0.9	1.3	2.0	0.0	0.6	4.5	1.2	1.9
6	6.0	1.7	3.0	3.4	0.7	1.2	3.4	0.4	0.6	2.0	0.6	0.9
7	8.3	1.6	2.8	8.8	0.7	1.2	3.3	0.4	0.7	1.0	0.4	0.6
8	7.1	1.6	2.6	6.8	0.9	1.6	1.8	0.5	0.6	0.7	0.3	0.5
9	9.5	1.5	2.2	3.4	1.1	1.6	1.2	0.5	0.6	1.0	0.3	0.4
10	7.5	1.6	2.9	6.6	1.0	1.5	3.2	0.5	0.6	1.0	0.3	0.4
11	5.8	2.2	3.1	19	1.1	4.4	2.5	0.5	0.7	0.9	0.2	0.4
12	18	1.7	2.8	6.4	1.6	2.3	4.2	0.4	0.7	0.7	0.3	0.3
13	20	1.6	2.7	4.2	1.1	1.6	3.4	0.5	0.7	0.7	0.2	0.4
14	7.9	1.4	2.5	6.9	1.0	1.4	2.2	0.5	0.7	3.8	0.3	1.6
15	5.6	1.5	2.3	3.0	0.9	1.2	3.3	0.5	0.9	1.3	0.4	0.8
16	19	1.4	2.3	9.7	0.6	1.1	1.6	0.3	0.7	1.1	0.3	0.5
17	7.4	1.4	2.7	9.8	1.6	2.6	2.1	0.3	0.5	8.3	0.3	1.1
18	12	1.5	2.5	6.6	1.1	2.1	3.6	0.4	1.3	18	2.0	5.8
19	5.4	1.5	2.3	2.0	0.7	1.0	1.0	0.4	0.6	4.0	1.2	2.1
20	9.1	1.6	2.6	1.9	0.5	0.8	0.9	0.3	0.5	5.1	1.2	2.1
21	16	1.5	2.7	4.0	0.5	1.0	1.9	0.2	0.4	12	1.3	6.5
22	10	2.0	3.4	19	1.1	1.6	0.6	0.2	0.4	9.8	2.8	5.2
23	4.6	1.8	3.0	120	13	34	0.7	0.2	0.4	5.5	1.5	2.4
24	7.0	1.4	2.0	30	4.5	9.4	4.4	0.2	1.3	2.7	1.4	1.7
25	4.7	1.2	1.6	12	1.6	2.6	1.5	0.5	0.8	9.3	1.3	1.9
26	3.4	1.0	1.6	3.0	1.0	1.4	2.4	0.4	0.6	2.0	1.1	1.5
27	6.9	1.1	1.9	5.4	0.9	1.6	16	0.4	0.6	1.3	0.8	1.0
28	8.4	1.3	2.0	2.3	0.9	1.2	9.8	1.1	2.2	1.3	0.6	0.7
29	7.4	1.4	1.9	1.7	0.7	0.9	2.4	1.1	1.4	20	0.8	7.4
30	9.1	1.2	2.1	1.6	0.6	0.7	8.1	0.8	1.1	27	4.4	11
31	8.6	1.2	1.8	---	---	---	1.0	0.4	0.6	4.9	2.5	3.2
Max	37	2.2	3.4	120	13	34	16	1.1	2.2	27	4.4	11
Min	3.4	1.0	1.6	1.6	0.5	0.7	0.6	0.0	0.4	0.7	0.2	0.3

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TURBIDITY, WATER, UNFILT, NEAR IR LED LIGHT, 780-900 NM, DETECT ANG. 90 DEG, FORMAZIN NEPHELOMETRIC UNITS
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	February			March			April			May		
1	41	2.4	13	2.5	0.6	0.8	8.4	0.8	2.3	2.7	0.1	0.3
2	13	3.8	8.4	1.2	0.5	0.7	1.7	0.7	1.1	0.3	0.0	0.1
3	4.2	1.8	2.5	1.9	0.5	0.7	21	0.4	2.9	1.5	0.0	0.1
4	2.3	1.1	1.5	2.4	0.8	1.8	4.7	0.6	1.5	1.1	0.2	0.5
5	1.3	0.8	1.1	19	2.3	6.8	1.5	0.3	0.6	1.5	0.1	0.2
6	1.1	0.7	0.8	8.0	1.8	4.9	1.2	0.2	0.3	0.6	0.0	0.1
7	1.0	0.5	0.6	2.1	1.1	1.3	0.7	0.1	0.2	0.9	0.0	0.0
8	0.8	0.4	0.5	1.2	0.7	0.9	7.6	0.0	0.1	1.3	0.0	0.1
9	0.8	0.4	0.5	4.9	0.5	0.9	2.2	0.0	0.1	2.2	0.0	0.1
10	0.6	0.3	0.4	20	4.5	11	8.6	0.0	0.1	10	0.0	0.1
11	1.6	0.3	0.5	17	5.3	7.8	1.2	0.0	0.2	20	0.0	0.6
12	1.0	0.3	0.4	9.0	2.2	5.3	0.9	0.0	0.2	2.4	0.2	0.4
13	1.0	0.3	0.4	7.9	1.4	3.5	2.1	0.0	0.2	5.5	0.1	0.4
14	1.1	0.2	0.3	1.7	0.8	1.1	2.1	0.0	0.1	3.0	0.1	0.5
15	1.3	0.2	0.4	3.2	0.7	0.9	1.8	0.0	0.1	6.0	0.2	0.7
16	0.7	0.2	0.4	7.7	1.9	3.7	11	0.0	1.5	6.9	0.4	0.6
17	22	0.3	0.4	4.4	1.8	2.6	1.0	0.0	0.2	1.9	0.5	0.8
18	5.7	0.6	1.2	2.1	1.1	1.5	1.2	0.0	0.1	6.6	0.5	0.8
19	4.7	1.2	1.6	2.6	0.0	0.8	33	0.0	0.1	5.9	0.6	1.0
20	1.6	0.8	1.0	1.8	0.4	0.6	47	7.2	18	5.5	0.6	1.3
21	45	1.0	5.9	0.7	0.3	0.4	8.4	0.7	1.7	11	1.3	2.1
22	43	11	20	0.7	0.2	0.3	0.9	0.2	0.5	16	1.5	2.4
23	11	2.7	6.6	1.7	0.2	0.3	0.7	0.1	0.2	7.1	1.3	2.9
24	3.9	1.9	2.6	1.1	0.1	0.3	5.0	0.0	0.6	3.1	0.6	1.3
25	6.8	2.4	4.2	0.4	0.1	0.3	10	0.3	0.7	1.5	0.2	0.5
26	6.9	1.7	3.1	0.4	0.1	0.2	23	1.3	2.0	4.3	0.1	0.5
27	2.0	1.1	1.4	0.6	0.1	0.2	11	0.6	1.2	2.5	0.2	0.6
28	2.3	0.9	1.1	1.8	0.1	0.2	0.7	0.2	0.3	4.4	0.4	0.7
29	2.7	0.0	0.9	2.5	0.1	0.3	1.1	0.1	0.1	4.5	0.5	1.2
30	---	---	---	8.1	0.7	1.0	1.5	0.0	0.5	19	0.0	1.1
31	---	---	---	2.2	0.7	1.2	---	---	---	2.4	0.9	1.4
Max	45	11	20	20	5.3	11	47	7.2	18	20	1.5	2.9
Min	0.6	0.0	0.3	0.4	0.0	0.2	0.7	0.0	0.1	0.3	0.0	0.0

12214300 SUMAS RIVER AT MASSEY ROAD NEAR NOOKSACK, WA—Continued

TURBIDITY, WATER, UNFILT, NEAR IR LED LIGHT, 780-900 NM, DETECT ANG. 90 DEG, FORMAZIN NEPHELOMETRIC UNITS
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	June			July			August			September		
1	10	0.7	1.4	7.1	0.8	1.2	16	5.6	7.3	24	3.3	4.7
2	2.7	0.8	1.2	7.7	0.5	0.7	53	5.4	6.2	15	3.6	5.0
3	4.7	0.6	0.9	25	0.6	5.6	35	5.5	6.6	13	3.2	5.1
4	3.9	0.6	1.1	22	1.6	4.5	44	5.3	6.5	8.4	3.1	4.5
5	4.1	0.9	1.4	3.3	0.5	1.0	12	5.6	6.8	8.1	2.6	4.0
6	3.0	0.9	1.5	0.7	0.2	0.5	18	5.8	6.7	5.2	2.2	3.3
7	3.9	1.1	1.5	1.9	0.2	0.5	11	5.8	7.1	6.1	2.0	3.1
8	64	1.3	2.2	1.8	0.4	0.6	9.8	6.6	7.3	7.0	2.0	3.1
9	26	1.1	1.8	2.4	0.5	0.7	14	6.6	8.0	7.0	1.9	2.9
10	5.6	1.0	1.9	2.6	1.0	1.5	19	7.0	8.1	7.0	2.1	3.1
11	3.3	1.1	1.5	3.9	1.5	1.9	36	6.2	7.7	10	1.9	2.8
12	3.0	1.1	1.5	5.1	2.1	2.4	12	6.0	7.4	7.2	1.7	2.6
13	15	1.3	1.9	5.6	2.1	2.7	16	5.9	7.2	4.0	1.7	2.3
14	4.3	1.1	1.8	7.7	2.4	3.1	9.4	5.9	7.1	4.4	1.5	2.4
15	3.6	1.2	1.8	7.6	2.6	3.4	29	5.6	7.0	4.9	1.3	2.3
16	7.7	1.1	1.8	8.7	2.8	3.8	22	5.3	6.6	7.2	1.4	2.4
17	13	3.0	6.3	6.8	2.8	3.5	12	5.4	7.1	6.7	1.3	2.4
18	3.0	1.2	1.8	6.6	3.2	3.8	30	5.9	7.2	4.4	1.2	2.2
19	2.2	0.8	1.1	7.5	3.9	4.5	32	5.9	8.7	4.0	0.9	1.8
20	2.9	0.0	1.0	7.5	4.4	5.1	12	5.7	7.9	4.6	1.0	1.9
21	2.0	0.6	1.0	7.8	2.8	3.6	24	5.5	7.9	5.8	1.0	1.9
22	20	0.6	1.1	5.8	3.1	3.8	18	5.7	7.9	4.0	1.2	1.9
23	120	1.6	2.8	8.8	3.8	5.0	19	6.3	8.6	4.8	1.0	1.9
24	32	2.2	6.8	6.5	2.6	3.4	40	6.1	8.1	14	1.2	2.2
25	2.4	0.8	1.2	5.2	3.4	4.2	21	6.2	9.0	11	0.9	2.1
26	1.0	0.5	0.7	21	4.4	4.9	13	5.2	6.9	8.3	1.0	2.2
27	1.0	0.4	0.6	8.5	4.9	5.5	25	4.8	6.2	11	1.0	2.1
28	3.7	0.5	0.6	39	5.7	6.4	45	4.8	6.8	---	---	---
29	5.8	0.5	0.7	20	6.0	7.3	22	4.3	6.1	---	---	---
30	1.8	0.8	1.1	9.8	5.7	6.5	34	4.4	6.1	---	---	---
31	---	---	---	17	5.6	6.8	9.5	3.7	5.6	---	---	---
Max	120	3.0	6.8	39	6.0	7.3	53	7.0	9.0	---	---	---
Min	1.0	0.0	0.6	0.7	0.2	0.5	9.4	3.7	5.6	---	---	---