

EPA Health Advisories for Microcystin and Cylindrospermopsin - DRINKING WATER

Toxin	Microcystin (ppb)	Cylindrospermopsin (ppb)	Anatoxin-a (ppb)	Saxitoxin (ppb)
Adults (ppb)	1.6	3.0	3.0	1.6
Vulnerable Populations (ppb)	0.3	0.7	0.7	0.3

River Water Sample Location: Middle Intake (North Santiam River Water Before Treatment Plant)

Sample Date	Sample Time	Microcystin (ppb)	Cylindrospermopsin (ppb)	Anatoxin-a (ppb)	Saxitoxin (ppb)
5/21/2018	1:10:00 PM	0.2146	Below Detection Level	Below Detection Level	Below Detection Level
5/23/2018	12:50:00 PM	0.0028	0.0226	Below Detection Level	Below Detection Level
5/24/2018	11:15:00 AM	2.0589	Below Detection Level	Below Detection Level	Below Detection Level
5/25/2018	1:05:00 PM	Below Detection Level	Below Detection Level	Below Detection Level	Below Detection Level
5/27/2018	12:20:00 PM	0.0302	Below Detection Level	Below Detection Level	Below Detection Level
5/28/2018	8:45:00 AM	0.6083	Below Detection Level	Below Detection Level	Below Detection Level
5/29/2018	12:00:00 PM	0.0071	0.0376	Below Detection Level	Below Detection Level
5/30/2018	11:25:00 AM	0.0090	Below Detection Level	Below Detection Level	Below Detection Level
5/31/2018	12:10:00 PM	Below Detection Level	0.0463	Below Detection Level	Below Detection Level
6/1/2018	1:15:00 PM	0.0074	0.0353	Below Detection Level	Below Detection Level
6/2/2018	12:20:00 PM	0.0021	Below Detection Level	0.0072	Below Detection Level
6/3/2018	12:55:00 PM	0.2431	0.0359	0.0035	Below Detection Level
6/4/2018	10:35:00 AM	0.0037	0.0550	0.0040	Below Detection Level
6/5/2018	10:00:00 AM	0.0135	0.0422	Below Detection Level	Below Detection Level
6/6/2018	9:48:00 AM	0.1376	Below Detection Level	0.0112	Below Detection Level
6/7/2018	8:35:00 AM	Below Detection Level	Below Detection Level	Below Detection Level	Below Detection Level
6/8/2018	9:00:00 AM	Below Detection Level	0.0313	Below Detection Level	Below Detection Level
6/9/2018	10:30:00 AM	0.0015	0.0318	Below Detection Level	Below Detection Level
6/10/2018	9:40:00 AM	Below Detection Level	Below Detection Level	Below Detection Level	Below Detection Level
6/11/2018	9:05:00 AM	Below Detection Level	Below Detection Level	Below Detection Level	Below Detection Level
6/12/2018	8:55:00 AM	Below Detection Level	Below Detection Level	Below Detection Level	Below Detection Level
6/13/2018	10:48:00 AM	0.8255	Below Detection Level	Below Detection Level	Below Detection Level
6/14/2018	12:47:00 PM	Below Detection Level	0.0535	Below Detection Level	Below Detection Level
6/15/2018	11:00:00 AM	0.0061	Below Detection Level	Below Detection Level	Below Detection Level
6/16/2018	9:24:00 AM	0.0246	0.0186	Below Detection Level	Below Detection Level
6/17/2018	9:17:00 AM	Below Detection Level	Below Detection Level	Below Detection Level	Below Detection Level
6/18/2018	8:57:00 AM	Below Detection Level	Below Detection Level	Below Detection Level	Below Detection Level
6/19/2018	10:52:00 AM	Below Detection Level	Below Detection Level	Below Detection Level	Below Detection Level
6/20/2018	10:45:00 AM	0.0070	Below Detection Level	Below Detection Level	Below Detection Level
6/21/2018	10:46:00 AM	0.0164	0.0292	Below Detection Level	Below Detection Level
6/22/2018	8:42:00 AM	0.0132	Below Detection Level	Below Detection Level	Below Detection Level
6/23/2018	10:25:00 AM	0.3887	0.0486	Below Detection Level	Below Detection Level
6/24/2018	9:30:00 AM	0.8060	0.0729	Below Detection Level	Below Detection Level
6/25/2018	12:50:00 PM	0.7868	0.0186	Below Detection Level	Below Detection Level
6/26/2018	9:25:00 AM	0.6331	0.0510	Below Detection Level	Below Detection Level
6/27/2018	5:30:00 AM	0.0194	Below Detection Level	Below Detection Level	Below Detection Level
6/28/2018	5:42:00 AM	0.1305	Below Detection Level	Below Detection Level	Below Detection Level
6/29/2018	5:49:00 AM	0.6988	0.5859	Below Detection Level	Below Detection Level
6/30/2018	6:20:00 AM	0.3731	Below Detection Level	Below Detection Level	Below Detection Level

EPA Health Advisories for Microcystin and Cylindrospermopsin - DRINKING WATER

Toxin	Microcystin (ppb)	Cylindrospermopsin (ppb)	Anatoxin-a (ppb)	Saxitoxin (ppb)
Adults (ppb)	1.6	3.0	3.0	1.6
Vulnerable Populations (ppb)	0.3	0.7	0.7	0.3

Drinking Water Sample Location: Aldersgate (Point of Entry to the Distribution System)

Sample Date	Sample Time	Microcystin (ppb)	How does this Microcystin level compare to the EPA Advisory Level?	Cylindrospermopsin (ppb)	How does this Cylindrospermopsin level compare to the EPA Advisory Level?	Anatoxin-a (ppb)	How does this Anatoxin-a level compare to the EPA Advisory Level?	Saxitoxin (ppb)	How does this Saxitoxin level compare to the EPA Advisory Level?
5/21/2018	1:50:00 PM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
5/23/2018	2:00:00 PM	0.0331	9.1 times below the Vulnerable Population HA	6.9635	Above the Adult Population HA	Below Detection Level		Below Detection Level	
5/24/2018	1:00:00 PM	0.7545	Above the Vulnerable Population HA	Below Detection Level		Below Detection Level		Below Detection Level	
5/25/2018	10:45:00 AM	0.0153	19.6 times below the Vulnerable Population HA	Below Detection Level		Below Detection Level		Below Detection Level	
5/27/2018	12:50:00 PM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
5/28/2018	11:10:00 AM	0.1963	1.5 times below the Vulnerable Population HA	Below Detection Level		Below Detection Level		Below Detection Level	
5/29/2018	12:40:00 PM	0.0188	16 times below the Vulnerable Population HA	Below Detection Level		Below Detection Level		Below Detection Level	
5/30/2018	12:05:00 PM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
5/31/2018	1:30:00 PM	0.0037	81.1 times below the Vulnerable Population HA	0.0203	34.5 times below the Vulnerable Population HA	Below Detection Level		Below Detection Level	
6/1/2018	1:45:00 PM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/2/2018	8:05:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/3/2018	1:45:00 PM	0.1807	1.7 times below the Vulnerable Population HA	Below Detection Level		0.0024	291.7 times below the Vulnerable Population HA	Below Detection Level	
6/4/2018	10:10:00 AM	0.0642	4.7 times below the Vulnerable Population HA	Below Detection Level		0.0043	162.8 times below the Vulnerable Population HA	Below Detection Level	
6/5/2018	10:40:00 AM	Below Detection Level		Below Detection Level		0.0106	66 times below the Vulnerable Population HA	Below Detection Level	
6/6/2018	10:55:00 AM	0.6360	Above the Vulnerable Population HA	Below Detection Level		0.0123	56.9 times below the Vulnerable Population HA	Below Detection Level	
6/7/2018	8:20:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/8/2018	8:30:00 AM	0.0256	11.7 times below the Vulnerable Population HA	Below Detection Level		Below Detection Level		Below Detection Level	
6/9/2018	8:15:00 AM	Below Detection Level		Below Detection Level		0.0102	68.6 times below the Vulnerable Population HA	Below Detection Level	
6/10/2018	8:25:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/11/2018	9:20:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/12/2018	10:05:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/13/2018	10:00:00 AM	0.0800	3.8 times below the Vulnerable Population HA	Below Detection Level		Below Detection Level		Below Detection Level	
6/14/2018	11:20:00 AM	0.0349	8.6 times below the Vulnerable Population HA	Below Detection Level		Below Detection Level		Below Detection Level	
6/15/2018	8:30:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/16/2018	10:25:00 AM	0.0338	8.9 times below the Vulnerable Population HA	Below Detection Level		Below Detection Level		Below Detection Level	
6/17/2018	10:30:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/18/2018	11:30:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/19/2018	11:20:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/20/2018	10:40:00 AM	0.0042	71.4 times below the Vulnerable Population HA	Below Detection Level		Below Detection Level		Below Detection Level	
6/21/2018	11:15:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/22/2018	11:20:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/23/2018	8:10:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/24/2018	9:10:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/25/2018	11:15:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/26/2018	9:25:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/27/2018	6:50:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/28/2018	6:40:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/29/2018	7:06:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/30/2018	6:58:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	

EPA Health Advisories for Microcystin and Cylindrospermopsin - DRINKING WATER

Toxin	Microcystin (ppb)	Cylindrospermopsin (ppb)	Anatoxin-a (ppb)	Saxitoxin (ppb)
Adults (ppb)	1.6	3.0	3.0	1.6
Vulnerable Populations (ppb)	0.3	0.7	0.7	0.3

Drinking Water Sample Location: Countryside (Northeast)

Sample Date	Sample Time	Microcystin (ppb)	How does this Microcystin level compare to the EPA Advisory Level?	Cylindrospermopsin (ppb)	How does this Cylindrospermopsin level compare to the EPA Advisory Level?	Anatoxin-a (ppb)	How does this Anatoxin-a level compare to the EPA Advisory Level?	Saxitoxin (ppb)	How does this Saxitoxin level compare to the EPA Advisory Level?
5/27/2018	2:10:00 PM	2.3746	Above the Adult Population HA	Below Detection Level		Below Detection Level		Below Detection Level	
5/28/2018	12:50:00 PM	0.1178	2.5 times below the Vulnerable Population HA	Below Detection Level		Below Detection Level		Below Detection Level	
5/29/2018	1:30:00 PM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
5/30/2018	2:15:00 PM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
5/31/2018	10:45:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/1/2018	9:55:00 AM	0.0052	57.7 times below the Vulnerable Population HA	Below Detection Level		Below Detection Level		Below Detection Level	
6/2/2018	8:25:00 AM	0.0938	3.2 times below the Vulnerable Population HA	Below Detection Level		0.0059	118.6 times below the Vulnerable Population HA	Below Detection Level	
6/3/2018	8:15:00 AM	0.3510	Above the Vulnerable Population HA	Below Detection Level		0.0050	140 times below the Vulnerable Population HA	Below Detection Level	
6/4/2018	11:10:00 AM	0.3201	Above the Vulnerable Population HA	Below Detection Level		0.0042	166.7 times below the Vulnerable Population HA	Below Detection Level	
6/5/2018	8:50:00 AM	0.0642	4.7 times below the Vulnerable Population HA	Below Detection Level		Below Detection Level		Below Detection Level	
6/6/2018	9:20:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/7/2018	9:10:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/8/2018	9:25:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/9/2018	9:50:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/10/2018	10:00:00 AM	Below Detection Level		Below Detection Level		0.0062	112.9 times below the Vulnerable Population HA	Below Detection Level	
6/11/2018	11:25:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/12/2018	10:40:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/13/2018	10:40:00 AM	0.0128	23.4 times below the Vulnerable Population HA	Below Detection Level		Below Detection Level		Below Detection Level	
6/14/2018	10:10:00 AM	0.0358	8.4 times below the Vulnerable Population HA	Below Detection Level		Below Detection Level		Below Detection Level	
6/15/2018	10:10:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/16/2018	9:45:00 AM	0.0031	96.8 times below the Vulnerable Population HA	Below Detection Level		Below Detection Level		Below Detection Level	
6/17/2018	8:30:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/18/2018	10:15:00 AM	0.5274	Above the Vulnerable Population HA	Below Detection Level		Below Detection Level		Below Detection Level	
6/19/2018	9:45:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/20/2018	9:30:00 AM	0.0037	81.1 times below the Vulnerable Population HA	Below Detection Level		Below Detection Level		Below Detection Level	
6/21/2018	9:15:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/22/2018	9:10:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/23/2018	9:50:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/24/2018	10:30:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/25/2018	9:20:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/26/2018	11:00:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/27/2018	9:30:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/28/2018	10:10:00 AM	0.0093	32.3 times below the Vulnerable Population HA	Below Detection Level		Below Detection Level		Below Detection Level	
6/29/2018	9:40:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/30/2018	9:05:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	

EPA Health Advisories for Microcystin and Cylindrospermopsin - DRINKING WATER

Toxin	Microcystin (ppb)	Cylindrospermopsin (ppb)	Anatoxin-a (ppb)	Saxitoxin (ppb)
Adults (ppb)	1.6	3.0	3.0	1.6
Vulnerable Populations (ppb)	0.3	0.7	0.7	0.3

Drinking Water Sample Location: Doral (South)

Sample Date	Sample Time	Microcystin (ppb)	How does this Microcystin level compare to the EPA Advisory Level?	Cylindrospermopsin (ppb)	How does this Cylindrospermopsin level compare to the EPA Advisory Level?	Anatoxin-a (ppb)	How does this Anatoxin-a level compare to the EPA Advisory Level?	Saxitoxin (ppb)	How does this Saxitoxin level compare to the EPA Advisory Level?
5/27/2018	1:30:00 PM	0.1229	2.4 times below the Vulnerable Population HA	Below Detection Level		Below Detection Level		Below Detection Level	
5/28/2018	9:40:00 AM	0.0240	12.5 times below the Vulnerable Population HA	0.0168	41.7 times below the Vulnerable Population HA	Below Detection Level		Below Detection Level	
5/29/2018	2:35:00 PM	0.7460	Above the Vulnerable Population HA	Below Detection Level		Below Detection Level		Below Detection Level	
5/30/2018	1:20:00 PM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
5/31/2018	9:50:00 AM	0.0117	25.6 times below the Vulnerable Population HA	Below Detection Level		Below Detection Level		Below Detection Level	
6/1/2018	12:00:00 PM	0.0067	44.8 times below the Vulnerable Population HA	Below Detection Level		Below Detection Level		Below Detection Level	
6/2/2018	9:40:00 AM	0.0266	11.3 times below the Vulnerable Population HA	Below Detection Level		0.0056	125 times below the Vulnerable Population HA	Below Detection Level	
6/3/2018	9:20:00 AM	0.1954	1.5 times below the Vulnerable Population HA	Below Detection Level		0.0027	259.3 times below the Vulnerable Population HA	Below Detection Level	
6/4/2018	1:15:00 PM	0.2154	1.4 times below the Vulnerable Population HA	0.0422	16.6 times below the Vulnerable Population HA	0.0028	250 times below the Vulnerable Population HA	Below Detection Level	
6/5/2018	10:20:00 AM	Below Detection Level		Below Detection Level		0.0248	28.2 times below the Vulnerable Population HA	Below Detection Level	
6/6/2018	9:55:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/7/2018	10:10:00 AM	0.0118	25.4 times below the Vulnerable Population HA	Below Detection Level		Below Detection Level		Below Detection Level	
6/8/2018	11:10:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/9/2018	8:45:00 AM	0.0061	49.2 times below the Vulnerable Population HA	Below Detection Level		Below Detection Level		Below Detection Level	
6/10/2018	9:05:00 AM	0.0126	23.8 times below the Vulnerable Population HA	Below Detection Level		Below Detection Level		Below Detection Level	
6/11/2018	9:50:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/12/2018	9:30:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/13/2018	9:35:00 AM	0.1599	1.9 times below the Vulnerable Population HA	Below Detection Level		Below Detection Level		Below Detection Level	
6/14/2018	10:55:00 AM	0.0628	4.8 times below the Vulnerable Population HA	Below Detection Level		Below Detection Level		Below Detection Level	
6/15/2018	8:55:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/16/2018	10:00:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/17/2018	10:00:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/18/2018	11:00:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/19/2018	10:50:00 AM	0.0031	96.8 times below the Vulnerable Population HA	Below Detection Level		Below Detection Level		Below Detection Level	
6/20/2018	8:10:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/21/2018	10:35:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/22/2018	10:50:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/23/2018	8:55:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/24/2018	9:40:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/25/2018	10:45:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/26/2018	9:00:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/27/2018	11:30:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/28/2018	9:15:00 AM	Below Detection Level		0.0203	34.5 times below the Vulnerable Population HA	Below Detection Level		Below Detection Level	
6/29/2018	8:30:00 AM	0.0086	34.9 times below the Vulnerable Population HA	0.0065	107.7 times below the Vulnerable Population HA	Below Detection Level		Below Detection Level	
6/30/2018	8:00:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	

EPA Health Advisories for Microcystin and Cylindrospermopsin - DRINKING WATER

Toxin	Microcystin (ppb)	Cylindrospermopsin (ppb)	Anatoxin-a (ppb)	Saxitoxin (ppb)
Adults (ppb)	1.6	3.0	3.0	1.6
Vulnerable Populations (ppb)	0.3	0.7	0.7	0.3

Drinking Water Sample Location: Lake Vanessa (West)

Sample Date	Sample Time	Microcystin (ppb)	How does this Microcystin level compare to the EPA Advisory Level?	Cylindrospermopsin (ppb)	How does this Cylindrospermopsin level compare to the EPA Advisory Level?	Anatoxin-a (ppb)	How does this Anatoxin-a level compare to the EPA Advisory Level?	Saxitoxin (ppb)	How does this Saxitoxin level compare to the EPA Advisory Level?
5/25/2018	12:40:00 PM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
5/27/2018	2:35:00 PM	0.3031	Above the Vulnerable Population HA	Below Detection Level		Below Detection Level		Below Detection Level	
5/28/2018	12:20:00 PM	0.0071	42.3 times below the Vulnerable Population HA	Below Detection Level		Below Detection Level		Below Detection Level	
5/29/2018	2:10:00 PM	0.3829	Above the Vulnerable Population HA	0.0318	22 times below the Vulnerable Population HA	Below Detection Level		Below Detection Level	
5/30/2018	2:45:00 PM	0.0039	76.9 times below the Vulnerable Population HA	Below Detection Level		Below Detection Level		Below Detection Level	
5/31/2018	11:15:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/1/2018	1:10:00 PM	0.0049	61.2 times below the Vulnerable Population HA	Below Detection Level		Below Detection Level		Below Detection Level	
6/2/2018	9:00:00 AM	Below Detection Level		Below Detection Level		0.0062	112.9 times below the Vulnerable Population HA	Below Detection Level	
6/3/2018	8:45:00 AM	0.2223	1.3 times below the Vulnerable Population HA	Below Detection Level		0.0032	218.8 times below the Vulnerable Population HA	Below Detection Level	
6/4/2018	11:50:00 AM	0.2418	1.2 times below the Vulnerable Population HA	Below Detection Level		0.0035	200 times below the Vulnerable Population HA	Below Detection Level	
6/5/2018	9:40:00 AM	Below Detection Level		Below Detection Level		0.0272	25.7 times below the Vulnerable Population HA	Below Detection Level	
6/6/2018	8:45:00 AM	0.0256	11.7 times below the Vulnerable Population HA	Below Detection Level		0.0184	38 times below the Vulnerable Population HA	Below Detection Level	
6/7/2018	9:45:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/8/2018	10:20:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/9/2018	10:40:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/10/2018	10:30:00 AM	0.0141	21.3 times below the Vulnerable Population HA	Below Detection Level		Below Detection Level		Below Detection Level	
6/11/2018	12:05:00 PM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/12/2018	11:15:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/13/2018	11:25:00 AM	0.0023	130.4 times below the Vulnerable Population HA	Below Detection Level		Below Detection Level		Below Detection Level	
6/14/2018	9:25:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/15/2018	10:45:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/16/2018	8:45:00 AM	0.0328	9.1 times below the Vulnerable Population HA	Below Detection Level		Below Detection Level		Below Detection Level	
6/17/2018	9:30:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/18/2018	9:40:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/19/2018	9:15:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/20/2018	9:00:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/21/2018	9:45:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/22/2018	10:00:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/23/2018	10:30:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/24/2018	11:25:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/25/2018	9:55:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/26/2018	10:30:00 AM	0.0393	7.6 times below the Vulnerable Population HA	Below Detection Level		Below Detection Level		Below Detection Level	
6/27/2018	10:15:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/28/2018	10:50:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/29/2018	10:30:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/30/2018	9:50:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	

EPA Health Advisories for Microcystin and Cylindrospermopsin - DRINKING WATER

Toxin	Microcystin (ppb)	Cylindrospermopsin (ppb)	Anatoxin-a (ppb)	Saxitoxin (ppb)
Adults (ppb)	1.6	3.0	3.0	1.6
Vulnerable Populations (ppb)	0.3	0.7	0.7	0.3

Drinking Water Sample Location: Nebraska (Central)

Sample Date	Sample Time	Microcystin (ppb)	How does this Microcystin level compare to the EPA Advisory Level?	Cylindrospermopsin (ppb)	How does this Cylindrospermopsin level compare to the EPA Advisory Level?	Anatoxin-a (ppb)	How does this Anatoxin-a level compare to the EPA Advisory Level?	Saxitoxin (ppb)	How does this Saxitoxin level compare to the EPA Advisory Level?
5/25/2018	12:20:00 PM	0.0139	21.6 times below the Vulnerable Population HA	1.9022	Above the Vulnerable Population HA	Below Detection Level		Below Detection Level	
5/27/2018	1:55:00 PM	0.0253	11.9 times below the Vulnerable Population HA	Below Detection Level		Below Detection Level		Below Detection Level	
5/28/2018	11:40:00 AM	0.0311	9.6 times below the Vulnerable Population HA	Below Detection Level		Below Detection Level		Below Detection Level	
5/29/2018	1:50:00 PM	0.0050	60 times below the Vulnerable Population HA	Below Detection Level		Below Detection Level		Below Detection Level	
5/30/2018	1:55:00 PM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
5/31/2018	10:20:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/1/2018	12:40:00 PM	0.0620	4.8 times below the Vulnerable Population HA	Below Detection Level		Below Detection Level		Below Detection Level	
6/2/2018	7:55:00 AM	0.0065	46.2 times below the Vulnerable Population HA	Below Detection Level		Below Detection Level		Below Detection Level	
6/3/2018	7:50:00 AM	0.2590	1.2 times below the Vulnerable Population HA	0.0191	36.6 times below the Vulnerable Population HA	0.0038	184.2 times below the Vulnerable Population HA	Below Detection Level	
6/4/2018	10:45:00 AM	0.2164	1.4 times below the Vulnerable Population HA	Below Detection Level		0.0031	225.8 times below the Vulnerable Population HA	Below Detection Level	
6/5/2018	11:20:00 AM	0.0161	18.6 times below the Vulnerable Population HA	Below Detection Level		0.0204	34.3 times below the Vulnerable Population HA	Below Detection Level	
6/6/2018	8:20:00 AM	0.1016	3 times below the Vulnerable Population HA	Below Detection Level		0.0667	10.5 times below the Vulnerable Population HA	Below Detection Level	
6/7/2018	8:50:00 AM	0.0294	10.2 times below the Vulnerable Population HA	Below Detection Level		Below Detection Level		Below Detection Level	
6/8/2018	9:00:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/9/2018	9:30:00 AM	0.0550	5.5 times below the Vulnerable Population HA	Below Detection Level		Below Detection Level		Below Detection Level	
6/10/2018	9:25:00 AM	0.0163	18.4 times below the Vulnerable Population HA	Below Detection Level		Below Detection Level		Below Detection Level	
6/11/2018	10:45:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/12/2018	9:05:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/13/2018	11:00:00 AM	0.1651	1.8 times below the Vulnerable Population HA	Below Detection Level		Below Detection Level		Below Detection Level	
6/14/2018	9:00:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/15/2018	9:20:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/16/2018	8:20:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/17/2018	9:05:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/18/2018	9:15:00 AM	0.0021	142.9 times below the Vulnerable Population HA	Below Detection Level		Below Detection Level		Below Detection Level	
6/19/2018	10:15:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/20/2018	8:40:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/21/2018	10:10:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/22/2018	9:40:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/23/2018	9:25:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/24/2018	10:05:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/25/2018	10:15:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/26/2018	10:05:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/27/2018	10:40:00 AM	0.0169	17.8 times below the Vulnerable Population HA	Below Detection Level		Below Detection Level		Below Detection Level	
6/28/2018	9:45:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/29/2018	9:10:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	
6/30/2018	8:30:00 AM	Below Detection Level		Below Detection Level		Below Detection Level		Below Detection Level	

Toxin	Microcystin (ppb)	Cylindrospermopsin (ppb)	Anatoxin-a (ppb)	Saxitoxin (ppb)
Adults (ppb)	1.6	3.0	3.0	1.6
Vulnerable Populations (ppb)	0.3	0.7	0.7	0.3

Cyanotoxin LCMSMS Results - North Santiam Watershed

Log Boom - Surface Water

Sample Date	Sample Time	Microcystin (ppb)	Cylindrospermopsin (ppb)	Anatoxin-a (ppb)	Saxitoxin (ppb)
5/21/2018	10:00:00 AM	0.0739	0.1230	Below Detection Level	Below Detection Level
5/23/2018	10:35:00 AM	0.1765	Below Detection Level	Below Detection Level	Below Detection Level
5/25/2018	9:40:00 AM	0.0267	1.5770	Below Detection Level	Below Detection Level
5/27/2018	9:50:00 AM	0.0969	0.0336	Below Detection Level	Below Detection Level
5/29/2018	10:35:00 AM	0.1985	0.2240	Below Detection Level	Below Detection Level
5/30/2018	9:50:00 AM	0.1953	0.2228	Below Detection Level	Below Detection Level
5/31/2018	10:20:00 AM	0.0838	0.2332	Below Detection Level	Below Detection Level
6/1/2018	10:30:00 AM	1.2442	0.3420	Below Detection Level	Below Detection Level
6/2/2018	10:15:00 AM	0.0435	0.0943	Below Detection Level	Below Detection Level
6/3/2018	10:45:00 AM	Below Detection Level	Below Detection Level	Below Detection Level	Below Detection Level
6/4/2018	10:35:00 AM	1.1407	0.3056	0.0051	Below Detection Level
6/5/2018	10:00:00 AM	0.0365	0.0804	Below Detection Level	Below Detection Level
6/6/2018	9:50:00 AM	0.6387	0.1019	Below Detection Level	Below Detection Level
6/7/2018	10:50:00 AM	0.0526	Below Detection Level	Below Detection Level	Below Detection Level
6/8/2018	10:10:00 AM	0.8675	Below Detection Level	Below Detection Level	Below Detection Level
6/9/2018	8:55:00 AM	0.0060	0.0411	Below Detection Level	Below Detection Level
6/10/2018	10:00:00 AM	7.6569	0.0422	Below Detection Level	Below Detection Level
6/11/2018	11:00:00 AM	8.7804	Below Detection Level	Below Detection Level	Below Detection Level
6/12/2018	10:20:00 AM	0.0928	0.0515	Below Detection Level	Below Detection Level
6/13/2018	9:50:00 AM	8.2598	Below Detection Level	Below Detection Level	Below Detection Level
6/14/2018	11:13:00 AM	2.1130	0.0421	Below Detection Level	Below Detection Level
6/15/2018	10:40:00 AM	4.7468	Below Detection Level	Below Detection Level	Below Detection Level
6/16/2018	9:10:00 AM	3.1319	0.0259	Below Detection Level	Below Detection Level
6/17/2018	2:20:00 PM	0.0180	Below Detection Level	Below Detection Level	Below Detection Level
6/18/2018	10:25:00 AM	1.2285	0.0778	Below Detection Level	Below Detection Level
6/19/2018	11:35:00 AM	0.0122	Below Detection Level	Below Detection Level	Below Detection Level
6/20/2018	9:45:00 AM	2.1287	0.0551	Below Detection Level	Below Detection Level
6/21/2018	10:20:00 AM	2.5593	Below Detection Level	Below Detection Level	Below Detection Level
6/23/2018	9:25:00 AM	1.6642	0.0486	Below Detection Level	Below Detection Level
6/24/2018	11:50:00 AM	0.0565	Below Detection Level	Below Detection Level	Below Detection Level
6/25/2018	10:25:00 AM	1.1850	0.0843	Below Detection Level	Below Detection Level
6/26/2018	9:55:00 AM	0.4801	Below Detection Level	Below Detection Level	Below Detection Level
6/27/2018	10:50:00 AM	2.0190	0.0510	Below Detection Level	Below Detection Level
6/28/2018	10:05:00 AM	0.0719	Below Detection Level	Below Detection Level	Below Detection Level
6/29/2018	10:10:00 AM	0.0205	0.0160	Below Detection Level	Below Detection Level

Toxin	Microcystin (ppb)	Cylindrospermopsin (ppb)	Anatoxin-a (ppb)	Saxitoxin (ppb)
Adults (ppb)	1.6	3.0	3.0	1.6
Vulnerable Populations (ppb)	0.3	0.7	0.7	0.3

Cyanotoxin LCMSMS Results - North Santiam Watershed

Log Boom - 22 ft Below Water Surface

Sample Date	Sample Time	Microcystin (ppb)	Cylindrospermopsin (ppb)	Anatoxin-a (ppb)	Saxitoxin (ppb)
5/21/2018	10:10:00 AM	0.1557	0.1400	Below Detection Level	Below Detection Level
5/23/2018	10:45:00 AM	0.2776	5.2998	Below Detection Level	Below Detection Level
5/25/2018	9:50:00 AM	1.2438	Below Detection Level	Below Detection Level	Below Detection Level
5/27/2018	10:00:00 AM	1.1040	0.0608	Below Detection Level	Below Detection Level
5/29/2018	10:40:00 AM	0.0205	0.2772	Below Detection Level	Below Detection Level
5/30/2018	9:55:00 AM	0.0426	0.4641	Below Detection Level	Below Detection Level
5/31/2018	10:30:00 AM	0.2526	0.4375	Below Detection Level	Below Detection Level
6/1/2018	10:40:00 AM	0.2865	0.3200	Below Detection Level	Below Detection Level
6/2/2018	10:20:00 AM	0.4013	0.1250	0.0064	Below Detection Level
6/3/2018	10:55:00 AM	0.2200	0.0266	0.0031	Below Detection Level
6/4/2018	10:40:00 AM	0.0642	0.0347	0.0018	Below Detection Level
6/5/2018	10:30:00 AM	0.4968	0.0278	0.0201	Below Detection Level
6/6/2018	10:00:00 AM	0.0113	Below Detection Level	Below Detection Level	Below Detection Level
6/7/2018	11:10:00 AM	0.0468	0.0648	Below Detection Level	Below Detection Level
6/8/2018	10:20:00 AM	3.6450	0.0347	Below Detection Level	Below Detection Level
6/9/2018	9:00:00 AM	1.0868	0.0498	Below Detection Level	Below Detection Level
6/10/2018	10:05:00 AM	0.5958	0.0440	Below Detection Level	Below Detection Level
6/11/2018	11:05:00 AM	5.9543	0.0272	Below Detection Level	Below Detection Level
6/12/2018	10:25:00 AM	0.2596	0.0556	Below Detection Level	Below Detection Level
6/15/2018	10:50:00 AM	2.7154	0.0373	Below Detection Level	Below Detection Level
6/16/2018	9:15:00 AM	0.1297	Below Detection Level	Below Detection Level	Below Detection Level
6/17/2018	2:25:00 PM	0.3807	Below Detection Level	Below Detection Level	Below Detection Level
6/18/2018	10:30:00 AM	0.1081	0.0122	Below Detection Level	Below Detection Level
6/19/2018	11:45:00 AM	0.2058	0.0162	Below Detection Level	Below Detection Level
6/20/2018	9:50:00 AM	Below Detection Level	Below Detection Level	Below Detection Level	Below Detection Level
6/21/2018	10:30:00 AM	0.6766	Below Detection Level	Below Detection Level	Below Detection Level
6/26/2018	10:00:00 AM	4.6486	0.0616	Below Detection Level	Below Detection Level

Toxin	Microcystin (ppb)	Cylindrospermopsin (ppb)	Anatoxin-a (ppb)	Saxitoxin (ppb)
Adults (ppb)	1.6	3.0	3.0	1.6
Vulnerable Populations (ppb)	0.3	0.7	0.7	0.3

Cyanotoxin LCMSMS Results - North Santiam Watershed

Log Boom - 160 ft Below Water Surface

Sample Date	Sample Time	Microcystin (ppb)	Cylindrospermopsin (ppb)	Anatoxin-a (ppb)	Saxitoxin (ppb)
6/4/2018	10:50:00 AM	Below Detection Level	0.0567	0.0047	Below Detection Level
6/6/2018	10:05:00 AM	2.5825	0.0532	Below Detection Level	Below Detection Level
6/7/2018	11:40:00 AM	0.0071	0.0781	Below Detection Level	Below Detection Level
6/8/2018	10:25:00 AM	0.0971	0.0492	Below Detection Level	Below Detection Level
6/9/2018	9:10:00 AM	0.0098	0.0370	Below Detection Level	Below Detection Level
6/10/2018	10:14:00 AM	0.0541	Below Detection Level	Below Detection Level	Below Detection Level
6/11/2018	11:10:00 AM	Below Detection Level	0.0336	0.0087	Below Detection Level
6/12/2018	10:35:00 AM	Below Detection Level	0.0226	Below Detection Level	Below Detection Level
6/14/2018	11:20:00 AM	0.0245	Below Detection Level	Below Detection Level	Below Detection Level
6/15/2018	10:55:00 AM	0.0238	0.0275	Below Detection Level	Below Detection Level
6/16/2018	9:20:00 AM	Below Detection Level	0.0227	Below Detection Level	Below Detection Level
6/17/2018	2:30:00 PM	Below Detection Level	Below Detection Level	Below Detection Level	Below Detection Level
6/18/2018	10:35:00 AM	0.0078	Below Detection Level	Below Detection Level	Below Detection Level
6/19/2018	11:55:00 AM	0.0064	0.0786	Below Detection Level	Below Detection Level
6/20/2018	9:55:00 AM	0.0225	0.0356	Below Detection Level	Below Detection Level
6/21/2018	10:40:00 AM	0.0046	Below Detection Level	Below Detection Level	Below Detection Level
6/26/2018	10:05:00 AM	Below Detection Level	Below Detection Level	Below Detection Level	Below Detection Level

Toxin	Microcystin (ppb)	Cylindrospermopsin (ppb)	Anatoxin-a (ppb)	Saxitoxin (ppb)
Adults (ppb)	1.6	3.0	3.0	1.6
Vulnerable Populations (ppb)	0.3	0.7	0.7	0.3

Cyanotoxin LCMSMS Results - North Santiam Watershed

Heater Creek Water Sample

Sample Date	Sample Time	Microcystin (ppb)	Cylindrospermopsin (ppb)	Anatoxin-a (ppb)	Saxitoxin (ppb)
5/21/2018	10:40:00 AM	2.6038	23.9000	Below Detection Level	Below Detection Level
5/23/2018	10:20:00 AM	0.2074	12.0758	Below Detection Level	Below Detection Level
5/25/2018	10:10:00 AM	0.0037	0.9624	Below Detection Level	Below Detection Level
5/27/2018	10:10:00 AM	1.6472	0.0943	Below Detection Level	Below Detection Level
6/1/2018	11:00:00 AM	0.3719	0.1192	Below Detection Level	Below Detection Level
6/2/2018	10:40:00 AM	0.9936	0.1563	0.0088	Below Detection Level
6/3/2018	11:10:00 AM	0.2629	0.0191	0.0036	Below Detection Level
6/4/2018	11:00:00 AM	0.7580	0.0463	0.0047	Below Detection Level
6/5/2018	10:55:00 AM	0.5276	0.0278	Below Detection Level	Below Detection Level
6/6/2018	10:30:00 AM	0.4681	0.1071	Below Detection Level	Below Detection Level
6/7/2018	11:55:00 AM	2.8168	Below Detection Level	Below Detection Level	Below Detection Level
6/8/2018	10:40:00 AM	1.1650	0.0336	Below Detection Level	Below Detection Level
6/9/2018	9:20:00 AM	2.4322	0.0556	Below Detection Level	Below Detection Level
6/10/2018	10:30:00 AM	3.0832	0.0451	Below Detection Level	Below Detection Level
6/11/2018	11:30:00 AM	10.4597	0.0231	Below Detection Level	Below Detection Level
6/12/2018	10:55:00 AM	0.0209	Below Detection Level	Below Detection Level	Below Detection Level
6/13/2018	10:00:00 AM	15.0276	0.0681	Below Detection Level	Below Detection Level
6/14/2018	10:50:00 AM	5.2752	0.0891	Below Detection Level	Below Detection Level
6/15/2018	11:10:00 AM	1.6689	0.0259	Below Detection Level	Below Detection Level
6/16/2018	9:30:00 AM	0.4061	0.0348	Below Detection Level	Below Detection Level
6/17/2018	2:55:00 PM	33.3864	0.0130	0.0100	Below Detection Level
6/18/2018	10:50:00 AM	0.6599	Below Detection Level	Below Detection Level	Below Detection Level
6/19/2018	12:15:00 PM	2.1916	0.0770	Below Detection Level	Below Detection Level
6/20/2018	10:10:00 AM	Below Detection Level	Below Detection Level	Below Detection Level	Below Detection Level
6/21/2018	11:00:00 AM	Below Detection Level	Below Detection Level	Below Detection Level	Below Detection Level
6/23/2018	9:40:00 AM	0.0059	Below Detection Level	Below Detection Level	Below Detection Level
6/24/2018	12:20:00 PM	1.6841	0.0146	Below Detection Level	Below Detection Level
6/25/2018	11:10:00 AM	0.0302	Below Detection Level	Below Detection Level	Below Detection Level
6/26/2018	10:30:00 AM	2.8133	0.0324	Below Detection Level	Below Detection Level
6/27/2018	11:18:00 AM	3.5807	0.0502	Below Detection Level	Below Detection Level
6/28/2018	10:30:00 AM	Below Detection Level	Below Detection Level	Below Detection Level	Below Detection Level
6/29/2018	10:35:00 AM	0.8789	0.6691	Below Detection Level	Below Detection Level

Toxin	Microcystin (ppb)	Cylindrospermopsin (ppb)	Anatoxin-a (ppb)	Saxitoxin (ppb)
Adults (ppb)	1.6	3.0	3.0	1.6
Vulnerable Populations (ppb)	0.3	0.7	0.7	0.3

Cyanotoxin LCMSMS Results - North Santiam Watershed

Blowout Creek Water Sample

Sample Date	Sample Time	Microcystin (ppb)	Cylindrospermopsin (ppb)	Anatoxin-a (ppb)	Saxitoxin (ppb)
5/21/2018	11:00:00 AM	5.5993	61.4300	Below Detection Level	Below Detection Level
5/23/2018	9:55:00 AM	0.1159	4.0260	Below Detection Level	Below Detection Level
5/25/2018	10:45:00 AM	32.5783	11.6019	Below Detection Level	Below Detection Level
5/27/2018	10:35:00 AM	0.3821	0.0480	Below Detection Level	Below Detection Level
6/1/2018	11:20:00 AM	49.8345	0.1036	Below Detection Level	Below Detection Level
6/3/2018	11:30:00 AM	0.1522	Below Detection Level	0.0018	Below Detection Level
6/4/2018	11:30:00 AM	0.3098	0.0301	0.0039	Below Detection Level
6/5/2018	11:40:00 AM	0.6475	0.0422	0.028899999	Below Detection Level
6/6/2018	10:55:00 AM	0.4017	0.0654	Below Detection Level	Below Detection Level
6/7/2018	10:00:00 AM	0.0286	0.0162	Below Detection Level	Below Detection Level
6/8/2018	11:00:00 AM	Below Detection Level	Below Detection Level	Below Detection Level	Below Detection Level
6/9/2018	9:40:00 AM	0.5201	0.0457	Below Detection Level	Below Detection Level
6/10/2018	10:55:00 AM	0.1976	Below Detection Level	Below Detection Level	Below Detection Level
6/11/2018	11:50:00 AM	91.2647	0.0278	Below Detection Level	Below Detection Level
6/12/2018	11:30:00 AM	0.2583	0.0475	Below Detection Level	Below Detection Level
6/13/2018	10:15:00 AM	12.6078	0.1069	Below Detection Level	Below Detection Level
6/14/2018	10:25:00 AM	1.5902	0.0640	Below Detection Level	Below Detection Level
6/15/2018	11:30:00 AM	1.3868	0.0365	Below Detection Level	Below Detection Level
6/16/2018	9:55:00 AM	0.0054	Below Detection Level	Below Detection Level	Below Detection Level
6/17/2018	3:20:00 PM	0.6249	0.0600	Below Detection Level	Below Detection Level
6/18/2018	11:05:00 AM	0.0025	Below Detection Level	Below Detection Level	Below Detection Level
6/19/2018	12:45:00 PM	1.2052	0.1118	Below Detection Level	Below Detection Level
6/20/2018	10:40:00 AM	1.4592	0.0535	Below Detection Level	Below Detection Level
6/21/2018	11:30:00 AM	1.3784	0.0389	Below Detection Level	Below Detection Level
6/23/2018	10:00:00 AM	0.5720	0.0373	Below Detection Level	Below Detection Level
6/24/2018	12:35:00 PM	0.4826	Below Detection Level	Below Detection Level	Below Detection Level
6/25/2018	11:30:00 AM	0.9062	0.0834	Below Detection Level	Below Detection Level
6/26/2018	11:00:00 AM	3.0480	0.0519	Below Detection Level	Below Detection Level
6/27/2018	11:40:00 AM	0.1344	Below Detection Level	Below Detection Level	Below Detection Level
6/28/2018	10:50:00 AM	Below Detection Level	Below Detection Level	Below Detection Level	Below Detection Level
6/29/2018	10:55:00 AM	0.2042	0.1662	Below Detection Level	Below Detection Level

Toxin	Microcystin (ppb)	Cylindrospermopsin (ppb)	Anatoxin-a (ppb)	Saxitoxin (ppb)
Adults (ppb)	1.6	3.0	3.0	1.6
Vulnerable Populations (ppb)	0.3	0.7	0.7	0.3

Cyanotoxin LCMSMS Results - North Santiam Watershed

Big Cliff Reservoir Water Sample

Sample Date	Sample Time	Microcystin (ppb)	Cylindrospermopsin (ppb)	Anatoxin-a (ppb)	Saxitoxin (ppb)
6/13/2018	11:15:00 AM	11.8242	0.0851	Below Detection Level	Below Detection Level
6/20/2018	8:50:00 AM	Below Detection Level	Below Detection Level	Below Detection Level	Below Detection Level
6/21/2018	9:20:00 AM	0.2967	Below Detection Level	Below Detection Level	Below Detection Level
6/22/2018	10:15:00 AM	1.6098	0.0575	Below Detection Level	Below Detection Level
6/23/2018	8:40:00 AM	0.4148	0.0632	Below Detection Level	Below Detection Level
6/24/2018	11:10:00 AM	3.2730	0.0421	Below Detection Level	Below Detection Level
6/25/2018	10:00:00 AM	1.6025	0.0381	Below Detection Level	Below Detection Level
6/26/2018	9:15:00 AM	2.5684	0.0300	Below Detection Level	Below Detection Level
6/27/2018	10:01:00 AM	3.4596	0.0235	Below Detection Level	Below Detection Level
6/28/2018	9:20:00 AM	Below Detection Level	Below Detection Level	Below Detection Level	Below Detection Level
6/29/2018	9:30:00 AM	0.2945	0.2539	Below Detection Level	Below Detection Level
6/30/2018	5:40:00 AM	0.0878	0.0267	Below Detection Level	Below Detection Level

Toxin	Microcystin (ppb)	Cylindrospermopsin (ppb)	Anatoxin-a (ppb)	Saxitoxin (ppb)
Adults (ppb)	1.6	3.0	3.0	1.6
Vulnerable Populations (ppb)	0.3	0.7	0.7	0.3

Cyanotoxin LCMSMS Results - North Santiam Watershed

Packsaddle Park Water Sample

Sample Date	Sample Time	Microcystin (ppb)	Cylindrospermopsin (ppb)	Anatoxin-a (ppb)	Saxitoxin (ppb)
5/21/2018	12:20:00 PM	4.1871	Below Detection Level	Below Detection Level	Below Detection Level
5/23/2018	12:10:00 PM	0.1753	Below Detection Level	Below Detection Level	Below Detection Level
5/24/2018	10:00:00 AM	0.1401	0.0411	Below Detection Level	Below Detection Level
5/25/2018	12:15:00 PM	0.2833	0.1128	Below Detection Level	Below Detection Level
5/27/2018	11:30:00 AM	0.3791	Below Detection Level	Below Detection Level	Below Detection Level
5/29/2018	11:30:00 AM	0.0162	0.0631	Below Detection Level	Below Detection Level
5/30/2018	10:45:00 AM	0.0030	Below Detection Level	Below Detection Level	Below Detection Level
5/31/2018	11:10:00 AM	0.0068	0.0787	Below Detection Level	Below Detection Level
6/1/2018	12:00:00 PM	0.0261	0.1545	Below Detection Level	Below Detection Level
6/2/2018	11:50:00 AM	0.0057	0.0179	0.0082	Below Detection Level
6/3/2018	12:20:00 PM	0.1664	Below Detection Level	0.0018	Below Detection Level
6/4/2018	12:15:00 PM	0.0198	Below Detection Level	0.0048	Below Detection Level
6/5/2018	12:45:00 PM	0.0317	0.0411	Below Detection Level	Below Detection Level
6/6/2018	11:35:00 AM	0.0196	0.0353	Below Detection Level	Below Detection Level
6/7/2018	12:55:00 PM	0.0065	0.0781	Below Detection Level	Below Detection Level
6/8/2018	11:40:00 AM	Below Detection Level	0.0266	0.0065	Below Detection Level
6/9/2018	10:25:00 AM	0.0073	Below Detection Level	Below Detection Level	Below Detection Level
6/10/2018	11:40:00 AM	0.0154	Below Detection Level	Below Detection Level	Below Detection Level
6/11/2018	12:40:00 PM	0.0479	0.0284	Below Detection Level	Below Detection Level
6/12/2018	12:15:00 PM	Below Detection Level	0.0110	Below Detection Level	Below Detection Level
6/13/2018	11:40:00 AM	1.4490	Below Detection Level	Below Detection Level	Below Detection Level
6/14/2018	12:40:00 PM	0.1816	Below Detection Level	Below Detection Level	Below Detection Level
6/15/2018	12:20:00 PM	Below Detection Level	Below Detection Level	Below Detection Level	Below Detection Level
6/16/2018	8:15:00 AM	Below Detection Level	Below Detection Level	Below Detection Level	Below Detection Level
6/17/2018	1:10:00 PM	0.0181	0.0178	Below Detection Level	Below Detection Level
6/18/2018	9:20:00 AM	Below Detection Level	0.0300	Below Detection Level	Below Detection Level
6/19/2018	10:25:00 AM	Below Detection Level	Below Detection Level	Below Detection Level	Below Detection Level
6/20/2018	8:40:00 AM	Below Detection Level	Below Detection Level	Below Detection Level	Below Detection Level
6/21/2018	9:05:00 AM	0.0296	Below Detection Level	Below Detection Level	Below Detection Level
6/22/2018	10:00:00 AM	0.0194	Below Detection Level	Below Detection Level	Below Detection Level
6/23/2018	8:25:00 AM	0.1573	0.0324	Below Detection Level	Below Detection Level
6/24/2018	10:50:00 AM	0.2165	0.0292	Below Detection Level	Below Detection Level
6/25/2018	9:40:00 AM	Below Detection Level	Below Detection Level	Below Detection Level	Below Detection Level
6/26/2018	8:50:00 AM	0.0052	Below Detection Level	Below Detection Level	Below Detection Level
6/27/2018	9:45:00 AM	0.8180	0.0194	Below Detection Level	Below Detection Level
6/28/2018	9:05:00 AM	Below Detection Level	Below Detection Level	Below Detection Level	Below Detection Level
6/29/2018	9:15:00 AM	0.0354	0.0300	Below Detection Level	Below Detection Level
6/30/2018	5:55:00 AM	0.0093	Below Detection Level	Below Detection Level	Below Detection Level