

Spokane County Water Resources - Spokane Valley Rathdrum Prairie Aquifer Monitoring  
2014 Quarterly Results

Well Name		NE Community Center, City monitoring well	Trinity School, Adams & Carlisle, City monitoring well	Denver & Marietta, City monitoring well				Hale's Ale Nested Site, east				Hale's Ale Nested Site, mid		
WQMP Well ID		5304G01	5307M01	5308H01				5311J05				5311J07		
SampleID/Comment		5304G01	5307M01	5308H01	5308H01	5308H01	5308H01	5311J05	5311J05	5311J05	5311J05	5311J07		
Quarter		3	3	1	2	3	4	1	2	3	4	3		
Sample Date		8/14/14	8/11/14	2/12/14	5/7/14	8/11/14	11/13/14	2/12/14	5/6/14	8/12/14	11/13/14	8/12/14		
Static Water Level (ft)		179.83	140.18	83.82	82.04	86.28	84.23	66.54	57.80	68.06	66.96	68.11		
Sample Depth (ft)		182	148	86	86	87.5	86	67.5	63	69	68	105		
Conductivity (µS/cm)		265.00	238.00	198.00	170.00	190.00	220.00	301.00	320.00	331.00	323.00	330.00		
Water Temperature (C°)		13.97	13.10	14.77	12.51	11.27	13.47	11.98	11.44	12.82	10.76	12.80		
pH		8.11	-	7.56	7.86	-	7.47	7.64	7.84	7.82	7.58	7.92		
Analytes	Washington Drinking Water Standards													
	MCL <sup>1</sup>	Trigger Level <sup>2</sup>	Secondary											
Phosphorus	-	-	-	0.018	0.004	0.006	0.004	0.004	0.004	0.003	0.005	0.007	0.004	0.004
SRP <sup>3</sup>	-	-	-	0.009	0.002	0.003	0.003	0.002	0.003	0.003	0.004	0.004	0.004	0.004
Nitrate+Nitrite	10	5	-	1.17	1.13	0.89	0.91	0.91	1.15	1.56	1.94	1.62	1.57	1.62
Arsenic	0.01	0.005	-	0.00270	0.00210	-	-	0.00180	-	-	-	0.00290	-	0.00240
Lead <sup>4</sup>	0.015	-	-	<0.0010	<0.0010	-	-	<0.0010	-	-	-	<0.0010	-	<0.0010
Copper <sup>4</sup>	1.3	-	-	0.00163	<0.00100	-	-	<0.00100	-	-	-	<0.00100	-	<0.00100
Mercury	0.002	0.0004	-	<0.00020	<0.00020	-	-	<0.00020	-	-	-	<0.00020	-	<0.00020
Cadmium	0.005	0.005	-	<0.0002	<0.0002	-	-	<0.0002	-	-	-	<0.0002	-	<0.0002
Chromium	0.1	0.02	-	0.00211	<0.0015	-	-	<0.0015	-	-	-	0.00211	-	0.00159
Fluoride	4	0.5	2	0.120	<0.10	-	-	<0.10	-	-	-	<0.10	-	<0.10
Chloride	-	250	250	4.70	5.86	4.05	3.71	4.66	5.03	4.89	5.32	5.14	5.18	5.11
Sodium	-	-	-	4.32	3.91	-	-	3.35	-	-	-	4.30	-	4.27
Zinc	-	5	5	0.01	<0.005	-	-	<0.005	-	-	-	<0.005	-	0.04
Magnesium	-	-	-	12.70	10.70	-	-	8.49	-	-	-	16.00	-	16.00
Potassium	-	-	-	2.00	1.77	-	-	1.48	-	-	-	2.11	-	2.22
Manganese	-	0.05	0.05	0.00287	0.00136	-	-	<0.00100	-	-	-	<0.00100	-	0.00142
Calcium	-	-	-	28.20	31.10	-	-	24.20	-	-	-	35.90	-	35.30

All results reported in mg/l (ppm)

1 Maximum Contaminant Levels

2 Trigger level identified on WA Dept of Health analytical results forms.

3 Soluble Reactive Phosphorus

4 Federal Action Levels established for distribution systems.

Spokane County Water Resources - Spokane Valley Rathdrum Prairie Aquifer Monitoring  
2014 Quarterly Results

Well Name		monitoring well at SCC								Felts Field City monitoring well		Olive & Fiske monitoring well					
WQMP Well ID		5310Q01								5312C01		5315L01					
SampleID/Comment		5310Q01	5310Q01a	5310Q01	5310Q01a	5310Q01	5310Q01a	5310Q01	5310Q01a	5312C01	5312C01	5315L01	5315L01	5315L01	5315L01		
Quarter		1	1	2	2	3	3	4	4	2	3	1	2	3	4		
Sample Date		2/12/14	2/12/14	5/8/14	5/8/14	8/11/14	8/11/14	11/13/14	11/13/14	5/7/14	8/12/14	2/12/14	5/8/14	8/11/14	11/13/14		
Static Water Level (ft)		38.68	-	29.73	-	40.15	-	39.09	-	54.64	63.27	68.25	60.52	69.88	68.65		
Sample Depth (ft)		41	-	41	-	41	-	41	-	68	68	69.5	68	71	69.5		
Conductivity (µS/cm)		190.00	-	238.00	-	197.00	-	191	-	195.00	187.00	233.00	244.00	223.00	191.00		
Water Temperature (C°)		13.37	-	12.99	-	12.51	-	13.11	-	15.23	16.78	12.37	13.92	12.44	12.27		
pH		8.08	-	8.45	-	-	-	7.93	-	8.36	8.26	7.91	8.35	-	7.86		
Analytes	Washington Drinking Water Standards																
	MCL <sup>1</sup>	Trigger Level <sup>2</sup>	Secondary														
Phosphorus	-	-	-	0.005	0.005	0.003	0.003	0.004	0.004	0.003	0.003	-	0.019	0.007	0.004	0.005	0.004
SRP <sup>3</sup>	-	-	-	0.003	0.003	<0.001	<0.001	0.002	0.002	0.002	0.002	-	0.018	0.004	0.003	0.003	0.004
Nitrate+Nitrite	10	5	-	0.83	0.84	1.70	1.80	0.91	0.89	0.91	0.89	-	0.96	1.02	1.22	1.08	1.02
Arsenic	0.01	0.005	-	-	-	-	-	0.00280	0.00270	-	-	0.00700	0.00670	-	-	0.00160	-
Lead <sup>4</sup>	0.015	-	-	-	-	-	-	<0.0010	<0.0010	-	-	<0.0010	<0.0010	-	-	<0.0010	-
Copper <sup>4</sup>	1.3	-	-	-	-	-	-	<0.00100	<0.00100	-	-	0.00141	<0.00100	-	-	<0.00100	-
Mercury	0.002	0.0004	-	-	-	-	-	<0.00020	<0.00020	-	-	<0.00020	<0.00020	-	-	<0.00020	-
Cadmium	0.005	0.005	-	-	-	-	-	<0.0002	<0.0002	-	-	<0.0002	<0.0002	-	-	<0.0002	-
Chromium	0.1	0.02	-	-	-	-	-	<0.0015	<0.0015	-	-	<0.0015	-	-	-	0.00448	-
Fluoride	4	0.5	2	-	-	-	-	<0.10	<0.10	-	-	<0.10	-	-	-	<0.10	-
Chloride	-	250	250	3.55	3.57	5.83	5.88	3.60	3.54	3.59	3.76	-	2.43	8.31	9.26	5.03	4.70
Sodium	-	-	-	-	-	-	-	3.06	3.10	-	-	2.95	-	-	-	3.33	-
Zinc	-	5	5	-	-	-	-	<0.005	<0.005	-	-	<0.005	<0.005	-	-	<0.005	-
Magnesium	-	-	-	-	-	-	-	8.85	8.99	-	-	6.19	-	-	-	10.20	-
Potassium	-	-	-	-	-	-	-	1.58	1.60	-	-	1.42	-	-	-	1.71	-
Manganese	-	0.05	0.05	-	-	-	-	0.02360	0.00906	-	-	<0.00100	-	-	-	<0.00100	-
Calcium	-	-	-	-	-	-	-	26.00	26.30	-	-	22.90	-	-	-	28.80	-

All results reported in mg/l (ppm)

1 Maximum Contaminant Levels

2 Trigger level identified on WA Dept of Health analytical results forms.

3 Soluble Reactive Phosphorus

4 Federal Action Levels established for distribution systems.

Spokane County Water Resources - Spokane Valley Rathdrum Prairie Aquifer Monitoring  
2014 Quarterly Results

Well Name		Third & Havana Nested Site, east				Third & Havana Nested Site, mid	Plantess Ferry Park monitoring well	monitoring well Frederick & Bowdish	Sullivan Road and Centennial Trail, monitoring well					Barker Road Centennial Trail South, monitoring well		
WQMP Well ID		5322A01				5322A03	5404A01	5409C02	5411R04					5508M02		
SampleID/Comment		5322A01	5322A01	5322A01	5322A01	5322A03	5404A01	5409C02	5411R04	5411R04	5411R04	5411R04	5411R04 a	5508M02		
Quarter		1	2	3	4	3	3	3	1	2	3	3	4	3		
Sample Date		2/12/14	5/8/14	8/11/14	11/13/14	8/11/14	8/12/14	8/12/14	2/11/14	5/6/14	8/12/14	8/12/14	11/12/14	8/13/14		
Static Water Level (ft)		50.89	42.75	52.33	51.18	52.29	49.02	92.14	54.98	45.88	56.35	-	55.27	68.61		
Sample Depth (ft)		52	47.5	53	52	90	109.5	94	56	48	58	-	56.5	70		
Conductivity (µS/cm)		251.00	265.00	257.00	269.00	265.00	303.00	299.00	250.00	214.00	237.00	-	251.00	57		
Water Temperature (C°)		12.68	13.73	12.41	12.18	13.11	13.83	12.51	10.74	9.60	12.04	-	10.70	18.17		
pH		7.61	8.13	-	7.64	-	6.51	7.56	7.72	7.97	8.01	-	7.84	-		
Analytes	Washington Drinking Water Standards															
	MCL <sup>1</sup>	Trigger Level <sup>2</sup>	Secondary													
Phosphorus	-	-	-	0.009	0.012	0.008	0.008	0.007	0.068	0.005	0.008	0.004	0.005	0.005	0.003	0.010
SRP <sup>3</sup>	-	-	-	0.007	0.008	0.007	0.007	0.007	0.040	0.005	0.005	0.004	0.004	0.004	0.002	0.009
Nitrate+Nitrite	10	5	-	1.57	1.61	1.63	1.48	1.69	<0.05	1.61	1.220	1.060	1.07	1.10	1.14	0.293
Arsenic	0.01	0.005	-	-	-	0.00190	-	0.00240	<0.001	0.00480	-	-	0.00290	0.00250	-	<0.001
Lead <sup>4</sup>	0.015	-	-	-	-	<0.0010	-	<0.0010	<0.0010	<0.0010	-	-	<0.0010	<0.0010	-	<0.0010
Copper <sup>4</sup>	1.3	-	-	-	-	<0.00100	-	<0.00100	0.00146	<0.00100	-	-	<0.00100	<0.00100	-	<0.00100
Mercury	0.002	0.0004	-	-	-	<0.00020	-	<0.00020	<0.00020	<0.00020	-	-	<0.00020	<0.00020	-	<0.00020
Cadmium	0.005	0.005	-	-	-	<0.0002	-	<0.0002	<0.0002	<0.0002	-	-	<0.0002	<0.0002	-	<0.0002
Chromium	0.1	0.02	-	-	-	<0.0015	-	<0.0015	<0.0015	0.00516	-	-	<0.0015	<0.0015	-	<0.0015
Fluoride	4	0.5	2	-	-	<0.10	-	<0.10	0.280	<0.10	-	-	<0.10	<0.10	-	<0.10
Chloride	-	250	250	7.29	8.68	6.46	7.11	6.97	2.17	3.36	2.33	3.11	2.36	2.33	2.38	1.27
Sodium	-	-	-	-	-	4.53	-	4.77	10.30	3.67	-	-	2.61	2.61	-	1.87
Zinc	-	5	5	-	-	<0.005	-	<0.005	<0.005	<0.005	-	-	<0.005	<0.005	-	0.00810
Magnesium	-	-	-	-	-	11.20	-	11.40	13.10	12.90	-	-	11.30	11.40	-	1.63
Potassium	-	-	-	-	-	1.90	-	1.90	5.61	1.85	-	-	1.56	1.57	-	0.77
Manganese	-	0.05	0.05	-	-	<0.00100	-	<0.00100	0.34500	0.05040	-	-	<0.00100	<0.00100	-	<0.00100
Calcium	-	-	-	-	-	34.00	-	34.20	24.60	34.60	-	-	25.30	25.40	-	6.33

All results reported in mg/l (ppm)

1 Maximum Contaminant Levels

2 Trigger level identified on WA Dept of Health analytical results forms.

3 Soluble Reactive Phosphorus

4 Federal Action Levels established for distribution systems.

Spokane County Water Resources - Spokane Valley Rathdrum Prairie Aquifer Monitoring  
2014 Quarterly Results

Well Name		Trent & Barker Road, monitoring well				Barker Road north of river, monitoring well		Barker Road Centennial Trail North, monitoring well		I.E. COLD STORAGE	Holy Cross, Rhoades & Washington monitoring well	Franklin Park, City monitoring well		
WQMP Well ID		5505D01				5507H01		5508M01		5213B01	6330J01	6331J01		
SampleID/Comment		5505D01	5505D01	5505D01	5505D01	5507H01	5507H01	5508M01	5508M01	5213B01	6330J01	6331J01		
Quarter		1	2	3	4	2	3	2	3	3	3	3		
Sample Date		2/11/14	5/6/14	8/13/14	11/12/14	5/7/14	8/13/14	5/7/14	8/13/14	7/29/14	8/14/14	8/14/14		
Static Water Level (ft)		94.07	87.01	93.31	93.24	42.01	49.14	60.50	67.73	-	211.05	206.78		
Sample Depth (ft)		95	88	94.5	94.5	43	50	64	69	-	213	208.5		
Conductivity (µS/cm)		343.00	370.00	380.00	367.00	61.00	57.00	51.00	56.00	295.00	264.00	247.00		
Water Temperature (C°)		10.83	12.29	12.23	11.24	8.30	23.00	7.60	21.16	12.80	14.38	14.60		
pH		7.59	7.77	-	7.63	6.68	-	6.74	-	6.46	7.87	8.22		
Analytes	Washington Drinking Water Standards													
	MCL <sup>1</sup>	Trigger Level <sup>2</sup>	Secondary											
Phosphorus	-	-	-	0.013	0.013	0.011	0.011	-	0.019	-	0.011	0.008	0.003	0.004
SRP <sup>3</sup>	-	-	-	0.010	0.012	0.010	0.011	-	0.016	-	0.011	0.007	0.002	0.002
Nitrate+Nitrite	10	5	-	2.94	3.82	3.50	3.26	-	0.251	-	0.286	1.74	1.08	0.99
Arsenic	0.01	0.005	-	-	-	0.00500	-	<0.001	<0.001	<0.001	<0.001	0.00210	0.00330	0.00390
Lead <sup>4</sup>	0.015	-	-	-	-	<0.0010	-	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Copper <sup>4</sup>	1.3	-	-	-	-	<0.00100	-	0.00175	<0.00100	<0.00100	<0.00100	0.00122	<0.00100	<0.00100
Mercury	0.002	0.0004	-	-	-	<0.00020	-	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Cadmium	0.005	0.005	-	-	-	<0.0002	-	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chromium	0.1	0.02	-	-	-	<0.0015	-	-	<0.0015	-	<0.0015	<0.0015	<0.0015	0.00169
Fluoride	4	0.5	2	-	-	<0.10	-	-	<0.10	-	<0.10	0.110	<0.10	<0.10
Chloride	-	250	250	6.46	6.05	6.88	5.97	-	1.47	-	1.38	19.30	3.91	3.40
Sodium	-	-	-	-	-	5.91	-	-	1.72	-	1.80	7.50	3.19	2.83
Zinc	-	5	5	-	-	<0.005	-	0.00660	0.01400	0.02740	0.02090	<0.005	<0.005	<0.005
Magnesium	-	-	-	-	-	14.20	-	-	1.53	-	1.58	10.80	14.80	12.40
Potassium	-	-	-	-	-	2.35	-	-	0.83	-	0.82	2.61	1.71	1.48
Manganese	-	0.05	0.05	-	-	<0.00100	-	-	0.00131	-	<0.00100	<0.00100	<0.00100	<0.00100
Calcium	-	-	-	-	-	52.20	-	-	5.91	-	6.21	34.10	27.40	26.00

All results reported in mg/l (ppm)

1 Maximum Contaminant Levels

2 Trigger level identified on WA Dept of Health analytical results forms.

3 Soluble Reactive Phosphorus

4 Federal Action Levels established for distribution systems.

Spokane County Water Resources - Spokane Valley Rathdrum Prairie Aquifer Monitoring  
2014 Quarterly Results

Well Name		Euclid & Barker monitoring well at CID5						Mission & Barker monitoring well at CID 4		East Valley High School monitoring well				CITY of SPOKANE-Nevada		
WQMP Well ID		5507A04						5517D05		6436N01				5308A02		
SampleID/Comment		5507A04	5507A04a	5507A04	5507A04a	5507A04	5507A04	5517D05	5517D05	6436N01	6436N01	6436N01	6436N01	5308A02		
Quarter		1	1	2	2	3	4	2	3	1	2	3	4	3		
Sample Date		2/11/14	2/11/14	5/7/14	5/7/14	8/13/14	11/12/14	5/7/14	8/13/14	2/11/14	5/6/14	8/12/14	11/12/14	7/29/14		
Static Water Level (ft)		71.25	-	63.75	-	70.70	70.50	78.26	85.24	116.20	108.41	117.14	106.09	-		
Sample Depth (ft)		72.5	-	69.5	-	72	71.5	85	86.5	117.5	109.5	120	107	-		
Conductivity (µS/cm)		323.00	-	339.00	-	362.00	356.00	104.00	104.00	553.00	436.00	568.00	663.00	200.00		
Water Temperature (C°)		10.17	-	11.11	-	11.16	9.33	14.57	13.47	13.12	13.10	14.07	13.00	12.32		
pH		7.46	-	7.95	-	-	7.53	7.61	-	7.13	7.48	7.45	7.18	6.03		
Analytes	Washington Drinking Water Standards															
	MCL <sup>1</sup>	Trigger Level <sup>2</sup>	Secondary													
Phosphorus	-	-	-	0.004	0.005	<0.002	-	0.003	0.002	-	0.003	0.043	0.052	0.052	0.049	0.004
SRP <sup>3</sup>	-	-	-	0.001	0.001	<0.001	-	0.002	0.002	-	0.002	0.039	0.047	0.051	0.047	0.004
Nitrate+Nitrite	10	5	-	1.40	1.55	1.70	-	1.72	1.60	-	0.477	4.92	4.89	4.79	6.54	0.91
Arsenic	0.01	0.005	-	-	-	0.00270	0.00240	0.002	-	<0.001	0.00100	-	-	0.00180	-	0.00150
Lead <sup>4</sup>	0.015	-	-	-	-	<0.0010	<0.0010	<0.0010	-	<0.0010	<0.0010	-	-	<0.0010	-	<0.0010
Copper <sup>4</sup>	1.3	-	-	-	-	<0.00100	<0.00100	<0.00100	-	<0.00100	<0.00100	-	-	<0.00100	-	0.00557
Mercury	0.002	0.0004	-	-	-	<0.00020	<0.00020	<0.00020	-	<0.00020	<0.00020	-	-	<0.00020	-	<0.00020
Cadmium	0.005	0.005	-	-	-	<0.0002	<0.0002	<0.0002	-	<0.0002	<0.0002	-	-	<0.0002	-	<0.0002
Chromium	0.1	0.02	-	-	-	-	-	<0.0015	-	-	<0.0015	-	-	<0.0015	-	<0.0015
Fluoride	4	0.5	2	-	-	-	-	<0.10	-	-	<0.10	-	-	0.110	-	0.100
Chloride	-	250	250	2.31	2.32	2.17	-	2.20	2.31	-	1.69	5.83	9.80	7.21	10.00	3.88
Sodium	-	-	-	-	-	-	-	3.05	-	-	1.73	-	-	9.55	-	2.66
Zinc	-	5	5	-	-	<0.005	<0.005	<0.005	-	<0.005	<0.005	-	-	<0.005	-	<0.005
Magnesium	-	-	-	-	-	-	-	18.80	-	-	3.88	-	-	26.30	-	8.73
Potassium	-	-	-	-	-	-	-	2.05	-	-	0.96	-	-	3.88	-	1.68
Manganese	-	0.05	0.05	-	-	-	-	<0.00100	-	-	<0.00100	-	-	<0.00100	-	<0.00100
Calcium	-	-	-	-	-	-	-	45.20	-	-	12.60	-	-	63.80	-	24.60

All results reported in mg/l (ppm)

1 Maximum Contaminant Levels

2 Trigger level identified on WA Dept of Health analytical results forms.

3 Soluble Reactive Phosphorus

4 Federal Action Levels established for distribution systems.

Spokane County Water Resources - Spokane Valley Rathdrum Prairie Aquifer Monitoring  
2014 Quarterly Results

Well Name		Fire Station Houston & Regal, No. Spokane WD					E. SPKN WD, Site 1				Idaho Road 300 ft south of pipeline, monitoring well					
WQMP Well ID		6327N04					5324G01				6525R01					
SampleID/Comment		6327N04	6327N04	6327N04	6327N04a	6327N04	5324G01	5324G01	5324G01	5324G01	6525R01	6525R01	6525R01	6525R01		
Quarter		1	2	3	3	4	1	2	3	4	1	2	3	4		
Sample Date		2/12/14	5/8/14	8/14/14	8/14/14	11/13/14	1/28/14	5/7/14	7/29/14	10/28/14	2/11/14	5/6/14	8/13/14	11/12/14		
Static Water Level (ft)		188.26	184.19	-	188.04	189.10	-	-	-	-	104.43	99.05	102.73	103.29		
Sample Depth (ft)		190	186	-	190	190.5	-	-	-	-	106	100.5	104	104.5		
Conductivity (µS/cm)		419.00	351.00	-	419	455.00	437	456.00	452.00	414.00	292.00	316.00	316.00	301.00		
Water Temperature (C°)		13.21	14.34	-	14.01	13.07	10.81	11.07	11.14	11.04	10.08	10.84	11.27	10.86		
pH		7.57	8.13	-	7.78	7.43	7.40	7.93	6.53	7.53	7.60	7.81	6.79	7.60		
Analytes	Washington Drinking Water Standards															
	MCL <sup>1</sup>	Trigger Level <sup>2</sup>	Secondary													
Phosphorus	-	-	-	0.003	<0.002	0.002	0.002	0	0.021	0.023	0.021	0.021	0.004	0.002	0.003	0.003
SRP <sup>3</sup>	-	-	-	0.001	0.001	0.001	0.001	0.002	0.020	0.015	0.019	0.021	0.001	0.002	0.002	0.002
Nitrate+Nitrite	10	5	-	3.50	2.40	2.99	3.05	3.84	3.78	3.97	3.93	3.98	1.10	1.320	1.100	1.020
Arsenic	0.01	0.005	-	-	-	0.00150	0.00160	-	-	-	0.00350	-	-	-	0.00150	-
Lead <sup>4</sup>	0.015	-	-	-	-	<0.0010	<0.0010	-	-	-	<0.0010	-	-	-	<0.0010	-
Copper <sup>4</sup>	1.3	-	-	-	-	<0.00100	<0.00100	-	-	-	0.00117	-	-	-	<0.00100	-
Mercury	0.002	0.0004	-	-	-	<0.00020	<0.00020	-	-	-	<0.00020	-	-	-	<0.00020	-
Cadmium	0.005	0.005	-	-	-	<0.0002	<0.0002	-	-	-	<0.0002	-	-	-	<0.0002	-
Chromium	0.1	0.02	-	-	-	<0.0015	<0.0015	-	-	-	<0.0015	-	-	-	<0.0015	-
Fluoride	4	0.5	2	-	-	0.100	0.110	-	-	-	<0.10	-	-	-	<0.10	-
Chloride	-	250	250	16.00	7.04	7.19	8.09	14.70	16.10	15.80	17.00	16.10	2.03	2.98	1.85	1.93
Sodium	-	-	-	-	-	13.20	11.30	-	-	-	9.39	-	-	-	2.87	-
Zinc	-	5	5	-	-	<0.005	<0.005	-	-	-	0.01340	-	-	-	<0.005	-
Magnesium	-	-	-	-	-	25.40	23.60	-	-	-	18.60	-	-	-	17.20	-
Potassium	-	-	-	-	-	3.84	3.49	-	-	-	3.60	-	-	-	1.88	-
Manganese	-	0.05	0.05	-	-	<0.00100	<0.00100	-	-	-	<0.00100	-	-	-	<0.00100	-
Calcium	-	-	-	-	-	36.50	34.30	-	-	-	57.60	-	-	-	36.00	-

All results reported in mg/l (ppm)

1 Maximum Contaminant Levels

2 Trigger level identified on WA Dept of Health analytical results forms.

3 Soluble Reactive Phosphorus

4 Federal Action Levels established for distribution systems.

Spokane County Water Resources - Spokane Valley Rathdrum Prairie Aquifer Monitoring  
2014 Quarterly Results

Well Name		Idaho Road 1000 ft south of Trent, monitoring well						Idaho Road - East Farms monitoring well at CID11				ORCHARD AVE IRRIG DIST, Site 1	MODERN ELECT WATER, Site 6	Mission Well, LIBERTY LAKE SEWER DIST		
WQMP Well ID		6524R01						6631M07				5312H01	5408N01	5515C01		
SampleID/Comment		6524R01	6524R01a	6524R01	6524R01a	6524R01	6524R01a	6631M07	6631M07	6631M07	6331M07	5312H01	5408N01	5515C01		
Quarter		2	2	3	3	4	4	1	2	3	4	3	3	3		
Sample Date		5/6/14	5/6/14	8/13/14	8/13/14	11/12/14	11/12/14	2/11/14	5/6/14	8/13/14	11/12/14	7/29/14	7/29/14	7/29/14		
Static Water Level (ft)		120.77	-	124.49	-	125.04	-	115.56	109.98	113.82	114.32	-	-	-		
Sample Depth (ft)		122	-	126	-	126.00	-	117	112	115	115.5	-	-	-		
Conductivity (µS/cm)		323.00	-	310.00	-	298.00	-	253.00	258.00	272.00	258.00	296.00	248.00	270.00		
Water Temperature (C°)		11.06	-	11.68	-	11.28	-	13.79	14.10	15.09	13.77	10.43	10.94	12.62		
pH		7.75	-	-	-	7.71	-	7.71	7.92	6.78	7.86	6.89	7.73	7.15		
Analytes	Washington Drinking Water Standards															
	MCL <sup>1</sup>	Trigger Level <sup>2</sup>	Secondary													
Phosphorus	-	-	-	0.004	0.004	0.003	0.003	0.003	0.003	0.006	0.005	0.006	0.005	0.016	0.004	0.009
SRP <sup>3</sup>	-	-	-	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.005	0.004	0.004	0.015	0.003	0.008
Nitrate+Nitrite	10	5	-	3.16	3.17	2.16	2.15	2.33	2.37	1.31	1.78	1.54	1.45	2.06	1.35	1.50
Arsenic	0.01	0.005	-	-	-	0.00250	0.00330	-	-	-	-	0.00420	-	0.00500	0.00190	0.003
Lead <sup>4</sup>	0.015	-	-	-	-	<0.0010	<0.0010	-	-	-	-	<0.0010	-	<0.0010	<0.0010	<0.0010
Copper <sup>4</sup>	1.3	-	-	-	-	<0.00100	<0.00100	-	-	-	-	<0.00100	-	<0.00100	<0.00100	<0.00100
Mercury	0.002	0.0004	-	-	-	<0.00020	<0.00020	-	-	-	-	<0.00020	-	<0.00020	<0.00020	<0.00020
Cadmium	0.005	0.005	-	-	-	<0.0002	<0.0002	-	-	-	-	<0.0002	-	<0.0002	<0.0002	<0.0002
Chromium	0.1	0.02	-	-	-	<0.0015	<0.0015	-	-	-	-	<0.0015	-	<0.0015	<0.0015	<0.0015
Fluoride	4	0.5	2	-	-	<0.10	<0.10	-	-	-	-	<0.10	-	<0.10	0.100	0.120
Chloride	-	250	250	3.05	3.18	2.79	2.86	3.25	3.22	4.24	3.92	4.04	4.03	4.75	3.55	4.63
Sodium	-	-	-	-	-	3.17	3.15	-	-	-	-	2.71	-	4.14	2.77	4.89
Zinc	-	5	5	-	-	<0.005	<0.005	-	-	-	-	<0.005	-	<0.005	<0.005	<0.005
Magnesium	-	-	-	-	-	14.90	14.60	-	-	-	-	13.20	-	13.20	12.40	10.80
Potassium	-	-	-	-	-	1.98	1.96	-	-	-	-	2.03	-	2.37	1.99	2.25
Manganese	-	0.05	0.05	-	-	<0.00100	<0.00100	-	-	-	-	<0.00100	-	<0.00100	<0.00100	<0.00100
Calcium	-	-	-	-	-	38.70	38.20	-	-	-	-	31.40	-	37.50	29.30	33.70

All results reported in mg/l (ppm)

1 Maximum Contaminant Levels

2 Trigger level identified on WA Dept of Health analytical results forms.

3 Soluble Reactive Phosphorus

4 Federal Action Levels established for distribution systems.

Spokane County Water Resources - Spokane Valley Rathdrum Prairie Aquifer Monitoring  
2014 Quarterly Results

Well Name		PASADENA PARK #2				CITY of SPOKANE-Ray				Orchard Ave Irrig Dist Site 2						
WQMP Well ID		5405K01				5322F01				5407C01						
SampleID/Comment		5405K01	5405K01	5405K01	5405K01	5322F01	5322F01	5322F01	5322F01	5407C01	5407C01	5407C01A	5407C01	5407C01		
Quarter		1	2	3	4	1	2	3	4	1	2	2	3	4		
Sample Date		1/28/14	5/6/14	7/29/14	10/28/14	1/28/14	5/7/14	7/29/14	10/28/14	1/28/14	5/7/14	5/7/14	7/29/14	10/28/14		
Static Water Level (ft)		-	-	-	-	-	-	-	-	-	-	-	-	-		
Sample Depth (ft)		-	-	-	-	-	-	-	-	-	-	-	-	-		
Conductivity (µS/cm)		196.00	177.00	190.00	171.00	409	400	386	402	284.00	321.00	-	304.00	239.00		
Water Temperature (C°)		11.40	9.14	9.36	9.75	11.69	11.78	12.36	11.67	10.28	10.88	-	11.04	11.17		
pH		7.65	7.59	6.57	7.50	7.42	17.97	7.19	7.2	7.88	8.26	-	6.57	7.87		
Analytes	Washington Drinking Water Standards															
	MCL <sup>1</sup>	Trigger Level <sup>2</sup>	Secondary													
Phosphorus	-	-	-	0.006	0.006	0.006	0.006	0.023	0.0242509	0.0206542	0.025	0.014	0.019	0.020	0.015	0.015
SRP <sup>3</sup>	-	-	-	0.006	0.006	0.006	0.006	0.022	0.0187209	0.0189954	0.024	0.014	0.015	0.015	0.013	0.014
Nitrate+Nitrite	10	5	-	1.64	1.29	1.47	1.130	3.64	3.19	3.16	3.91	1.81	1.98	1.98	1.87	1.78
Arsenic	0.01	0.005	-	-	-	0.001	-	-	-	0.003	-	-	-	-	0.00340	-
Lead <sup>4</sup>	0.015	-	-	-	-	<0.0010	-	-	-	<0.0010	-	-	-	-	<0.0010	-
Copper <sup>4</sup>	1.3	-	-	-	-	0.00154	-	-	-	0.00561	-	-	-	-	<0.00100	-
Mercury	0.002	0.0004	-	-	-	<0.00020	-	-	-	<0.00020	-	-	-	-	<0.00020	-
Cadmium	0.005	0.005	-	-	-	<0.0002	-	-	-	<0.0002	-	-	-	-	<0.0002	-
Chromium	0.1	0.02	-	-	-	<0.0015	-	-	-	<0.0015	-	-	-	-	<0.0015	-
Fluoride	4	0.5	2	-	-	0.100	-	-	-	<0.10	-	-	-	-	<0.10	-
Chloride	-	250	250	4.05	3.24	3.92	2.92	16.8	15.8	14.9	17.6	4.31	5.82	5.83	4.73	4.22
Sodium	-	-	-	-	-	3.64	-	-	-	8.16	-	-	-	-	4.14	-
Zinc	-	5	5	-	-	<0.005	-	-	-	0.00910	-	-	-	-	<0.005	-
Magnesium	-	-	-	-	-	7.35	-	-	-	15.3	-	-	-	-	14.10	-
Potassium	-	-	-	-	-	2.18	-	-	-	2.96	-	-	-	-	2.36	-
Manganese	-	0.05	0.05	-	-	<0.00100	-	-	-	<0.00100	-	-	-	-	<0.00100	-
Calcium	-	-	-	-	-	23.50	-	-	-	48.4	-	-	-	-	37.10	-

All results reported in mg/l (ppm)

1 Maximum Contaminant Levels

2 Trigger level identified on WA Dept of Health analytical results forms.

3 Soluble Reactive Phosphorus

4 Federal Action Levels established for distribution systems.



Spokane County Water Resources - Spokane Valley Rathdrum Prairie Aquifer Monitoring  
2014 Quarterly Results

Well Name		6th & Havana monitoring well (MW-2)				Spokane Co Water Dist #3, Site 2-5, 26th & Vercler							CONSOLIDATED IRRIG DIST 19, Site 2A	Spokane Fish Hatchery well		
WQMP Well ID		5323E01				5427L01							5518R01	6211K01		
SampleID/Comment		5323E01	5323E01	5323E01	5323E01	5427L01	5427L01a	5427L01	5427L01	5427L01a	5427L01	5427L01a	5518R01	6211K01		
Quarter		1	2	3	4	1	1	2	3	3	4	4	3	3		
Sample Date		2/12/14	5/8/14	8/11/14	11/13/14	1/28/14	1/28/14	5/6/14	7/29/14	7/29/14	10/28/14	10/28/14	7/29/14	8/14/14		
Static Water Level (ft)		51.39	43.42	52.88	51.75	-	-	-	-	-	-	-	-	-		
Sample Depth (ft)		52.5	44.5	60	53	-	-	-	-	-	-	-	-	-		
Conductivity (µS/cm)		348.00	308.00	362.00	384.00	-	378.00	393.00	379.00	-	-	347.00	153.00	306.00		
Water Temperature (C°)		12.99	12.65	12.22	12.24	-	11.18	11.85	12.49	-	-	11.86	12.05	11.12		
pH		7.57	8.12	-	7.54	-	7.59	7.79	7.42	-	-	7.67	8.34	7.36		
Analytes	Washington Drinking Water Standards															
	MCL <sup>1</sup>	Trigger Level <sup>2</sup>	Secondary													
Phosphorus	-	-	-	0.014	0.013	0.010	0.012	0.005	0.007	0.006	0.006	0.006	0.006	0.006	0.004	0.005
SRP <sup>3</sup>	-	-	-	0.011	0.012	0.010	0.012	0.005	0.005	0.006	0.005	0.005	0.005	0.006	0.002	0.004
Nitrate+Nitrite	10	5	-	2.74	2.09	2.82	2.85	2.56	2.55	2.76	2.60	2.58	2.51	2.72	0.705	1.49
Arsenic	0.01	0.005	-	-	-	0.00320	-	-	-	-	0.00390	0.00360	-	-	0.001	0.00350
Lead <sup>4</sup>	0.015	-	-	-	-	<0.0010	-	-	-	-	<0.0010	<0.0010	-	-	<0.0010	<0.0010
Copper <sup>4</sup>	1.3	-	-	-	-	<0.00100	-	-	-	-	0.00134	0.00133	-	-	<0.00100	<0.00100
Mercury	0.002	0.0004	-	-	-	<0.00020	-	-	-	-	<0.00020	<0.00020	-	-	<0.00020	<0.00020
Cadmium	0.005	0.005	-	-	-	<0.0002	-	-	-	-	<0.0002	<0.0002	-	-	<0.0002	<0.0002
Chromium	0.1	0.02	-	-	-	<0.0015	-	-	-	-	<0.0015	<0.0015	-	-	<0.0015	<0.0015
Fluoride	4	0.5	2	-	-	<0.10	-	-	-	-	<0.10	<0.10	-	-	<0.10	<0.10
Chloride	-	250	250	12.10	9.84	11.10	12.40	9.64	9.60	8.70	9.13	9.10	9.54	8.78	3.14	6.71
Sodium	-	-	-	-	-	7.28	-	-	-	-	6.54	6.49	-	-	2.40	3.83
Zinc	-	5	5	-	-	<0.005	-	-	-	-	<0.005	<0.005	-	-	<0.005	0.00810
Magnesium	-	-	-	-	-	15.80	-	-	-	-	16.90	16.80	-	-	5.26	16.80
Potassium	-	-	-	-	-	2.55	-	-	-	-	2.91	2.92	-	-	1.41	1.98
Manganese	-	0.05	0.05	-	-	<0.00100	-	-	-	-	<0.00100	<0.00100	-	-	<0.00100	<0.00100
Calcium	-	-	-	-	-	46.60	-	-	-	-	47.00	46.80	-	-	21.50	32.00

All results reported in mg/l (ppm)

1 Maximum Contaminant Levels

2 Trigger level identified on WA Dept of Health analytical results forms.

3 Soluble Reactive Phosphorus

4 Federal Action Levels established for distribution systems.

Spokane County Water Resources - Spokane Valley Rathdrum Prairie Aquifer Monitoring  
2014 Quarterly Results

Well Name		WHITWORTH WATER DIST. #2, Well 2A	NORTH SPOKANE IRRIG. DIST. # 4, Site 4	CONS. IRRIG DIST 19, Site 11B	MODERN ELECT WATER, Site 11	VERA WATER & POWER, New Well 4			New Balfour Park monitoring well				Sullivan Spring		
WQMP Well ID		6320D01	6328H01	6631M04	5415E03	5426L03			5417R02				5411R05s		
SampleID/Comment		6320D01	6328H01	6631M04	5415E03	5426L03	5426L03	5426L03	5417R02	5417R02	5417R02	5417R02	5411R05S		
Quarter		3	3	3	3	1	3	4	1	2	3	4	3		
Sample Date		8/14/14	8/14/14	8/13/14	7/29/14	1/28/14	7/29/14	10/28/14	2/11/14	5/6/14	8/12/14	11/12/14	8/12/14		
Static Water Level (ft)		-	-	-	-	-	-	-	71.56	64.53	72.3	71.87	-		
Sample Depth (ft)		-	-	-	-	-	-	-	72.5	67	74	73	-		
Conductivity (µS/cm)		256.00	236.00	257.00	214.00	345.00	394.00	352.00	188.00	193.00	212	206	255.00		
Water Temperature (C°)		11.35	10.48	12.70	10.89	10.80	10.48	10.55	12.83	13.49	15.43	12.92	11.19		
pH		6.28	6.56	7.22	6.75	7.62	7.34	7.64	7.75	7.95	7.15	7.57	6.54		
Analytes	Washington Drinking Water Standards														
	MCL <sup>1</sup>	Trigger Level <sup>2</sup>	Secondary												
Phosphorus	-	-	-	0.003	0.004	0.005	0.004	0.009	0.009	0.008	0.012	0.009	0.008	0.007	0.005
SRP <sup>3</sup>	-	-	-	0.002	0.003	0.004	0.003	0.006	0.007	0.008	0.008	0.008	0.006	0.007	0.005
Nitrate+Nitrite	10	5	-	0.98	1.28	1.46	1.060	2.560	3.210	3.12	0.88	1.120	0.942	0.886	1.05
Arsenic	0.01	0.005	-	0.00360	0.00250	0.00490	0.00270	-	0.00350	-	-	-	0.00450	-	0.00190
Lead <sup>4</sup>	0.015	-	-	<0.0010	<0.0010	<0.0010	<0.0010	-	<0.0010	-	-	-	0.00390	-	<0.0010
Copper <sup>4</sup>	1.3	-	-	<0.00100	<0.00100	<0.00100	<0.00100	-	<0.00100	-	-	-	0.00372	-	<0.00100
Mercury	0.002	0.0004	-	<0.00020	<0.00020	<0.00020	<0.00020	-	<0.00020	-	-	-	<0.00020	-	<0.00020
Cadmium	0.005	0.005	-	<0.0002	<0.0002	<0.0002	<0.0002	-	<0.0002	-	-	-	<0.0002	-	<0.0002
Chromium	0.1	0.02	-	<0.0015	<0.0015	<0.0015	<0.0015	-	<0.0015	-	-	-	0.00984	-	<0.0015
Fluoride	4	0.5	2	<0.10	0.100	<0.10	<0.10	-	0.110	-	-	-	<0.10	-	<0.10
Chloride	-	250	250	3.32	4.51	3.97	2.98	9.68	9.87	8.46	3.40	3.59	4.03	4.07	2.04
Sodium	-	-	-	2.80	4.56	2.68	2.56	-	7.62	-	-	-	2.68	-	2.79
Zinc	-	5	5	<0.005	<0.005	<0.005	<0.005	-	0.01	-	-	-	0.01	-	<0.005
Magnesium	-	-	-	14.10	11.10	12.80	10.60	-	14.20	-	-	-	8.73	-	12.30
Potassium	-	-	-	1.62	1.92	1.92	1.88	-	3.38	-	-	-	2.06	-	1.87
Manganese	-	0.05	0.05	<0.00100	<0.00100	<0.00100	<0.00100	-	<0.00100	-	-	-	0.05880	-	<0.00100
Calcium	-	-	-	25.70	25.30	29.60	25.70	-	52.50	-	-	-	25.90	-	28.50

All results reported in mg/l (ppm)

1 Maximum Contaminant Levels

2 Trigger level identified on WA Dept of Health analytical results forms.

3 Soluble Reactive Phosphorus

4 Federal Action Levels established for distribution systems.

Spokane County Water Resources - Spokane Valley Rathdrum Prairie Aquifer Monitoring  
2014 Quarterly Results

Well Name		SPOKANE FISH HATCHERY, GRIFFITH SPR				Three Springs				Waikiki Springs						
WQMP Well ID		6211J01s				5212F01s				6306P01s						
SampleID/Comment		6211J01s	6211J01S	6211J01S	6211J01s	5212F01s	5212F01S	5212F01S	5212F01s	6306P01s	6306P01S	6306P01S	6306P01s	BLANK		
Quarter		1	2	3	4	1	2	3	4	1	2	3	4	1		
Sample Date		1/28/14	5/8/14	8/14/14	10/28/14	1/28/14	5/8/14	8/11/14	10/28/14	1/28/14	5/8/14	8/14/14	10/28/14	2/12/14		
Static Water Level (ft)		-	-	-	-	-	-	-	-	-	-	-	-	-		
Sample Depth (ft)		-	-	-	-	-	-	-	-	-	-	-	-	-		
Conductivity (µS/cm)		305.00	317.00	300.00	283.00	294.00	292.00	292.00	255.00	353.00	359.00	295.00	266.00	-		
Water Temperature (C°)		10.96	10.98	10.89	11.00	11.08	11.60	11.38	11.33	10.71	10.61	10.73	10.79	-		
pH		7.89	8.20	7.01	7.89	7.85	8.10		7.83	7.86	8.06	6.62	7.76	-		
Analytes	Washington Drinking Water Standards															
	MCL <sup>1</sup>	Trigger Level <sup>2</sup>	Secondary													
Phosphorus	-	-	-	0.005	0.006	0.005	0.006	0.005	0.006	0.004	0.004	0.003	0.003	0.003	0.003	<0.002
SRP <sup>3</sup>	-	-	-	0.004	0.002	0.003	0.003	0.002	<0.001	0.004	0.003	0.002	0.002	0.002	0.003	<0.001
Nitrate+Nitrite	10	5	-	1.73	1.74	1.60	1.62	2.04	1.86	2.06	2.50	3.46	3.26	3.61	3.62	0.05
Arsenic	0.01	0.005	-	-	-	0.00330	-	-	-	0.00230	-	-	-	0.00230	-	-
Lead <sup>4</sup>	0.015	-	-	-	-	<0.0010	-	-	-	<0.0010	-	-	-	<0.0010	-	-
Copper <sup>4</sup>	1.3	-	-	-	-	<0.00100	-	-	-	<0.00100	-	-	-	<0.00100	-	-
Mercury	0.002	0.0004	-	-	-	<0.00020	-	-	-	<0.00020	-	-	-	<0.00020	-	-
Cadmium	0.005	0.005	-	-	-	<0.0002	-	-	-	<0.0002	-	-	-	<0.0002	-	-
Chromium	0.1	0.02	-	-	-	<0.0015	-	-	-	<0.0015	-	-	-	<0.0015	-	-
Fluoride	4	0.5	2	-	-	<0.10	-	-	-	<0.10	-	-	-	<0.10	-	-
Chloride	-	250	250	8.21	8.26	7.92	7.92	8.99	11.20	10.90	11.20	10.80	11.70	12.80	12.10	<0.20
Sodium	-	-	-	-	-	4.20	-	-	-	6.09	-	-	-	5.70	-	-
Zinc	-	5	5	-	-	<0.005	-	-	-	<0.005	-	-	-	<0.005	-	-
Magnesium	-	-	-	-	-	17.60	-	-	-	13.30	-	-	-	21.80	-	-
Potassium	-	-	-	-	-	2.08	-	-	-	2.11	-	-	-	2.31	-	-
Manganese	-	0.05	0.05	-	-	<0.00100	-	-	-	<0.00100	-	-	-	<0.00100	-	-
Calcium	-	-	-	-	-	33.80	-	-	-	36.70	-	-	-	37.70	-	-

All results reported in mg/l (ppm)

1 Maximum Contaminant Levels

2 Trigger level identified on WA Dept of Health analytical results forms.

3 Soluble Reactive Phosphorus

4 Federal Action Levels established for distribution systems.

Spokane County Water Resources - Spokane Valley Rathdrum Prairie Aquifer Monitoring  
2014 Quarterly Results

Well Name				Blank		Equipment Blank		
WQMP Well ID				Blank		Equipment Blank		
SampleID/Comment				BLANK	BLANK	EQUIP BLANK	EQUIPMEN T BLANK	EQUIPMENT BLANK
Quarter				3	4	1	3	4
Sample Date				8/14/14	11/13/14	2/12/14	8/14/14	11/13/14
Static Water Level (ft)				-	-	-	-	-
Sample Depth (ft)				-	-	-	-	-
Conductivity (µS/cm)				-	-	-	-	-
Water Temperature (C°)				-	-	-	-	-
pH				-	-	-	-	-
Analytes	Washington Drinking Water Standards							
	MCL <sup>1</sup>	Trigger Level <sup>2</sup>	Secondary					
Phosphorus	-	-	-	<0.002	<0.002	<0.002	<0.002	<0.002
SRP <sup>3</sup>	-	-	-	<0.001	<0.001	<0.001	<0.001	<0.001
Nitrate+Nitrite	10	5	-	<0.05	<0.05	0.09	<0.05	0.05
Arsenic	0.01	0.005	-	<0.001	-	-	<0.001	-
Lead <sup>4</sup>	0.015	-	-	<0.0010	-	-	<0.0010	-
Copper <sup>4</sup>	1.3	-	-	<0.00100	-	-	<0.00100	-
Mercury	0.002	0.0004	-	<0.00020	-	-	<0.00020	-
Cadmium	0.005	0.005	-	<0.0002	-	-	<0.0002	-
Chromium	0.1	0.02	-	<0.0015	-	-	<0.0015	-
Fluoride	4	0.5	2	<0.10	-	-	<0.10	-
Chloride	-	250	250	<0.20	<0.20	<0.20	<0.20	<0.20
Sodium	-	-	-	0.50	-	-	0.50	-
Zinc	-	5	5	<0.005	-	-	<0.005	-
Magnesium	-	-	-	<0.20	-	-	<0.20	-
Potassium	-	-	-	<0.50	-	-	<0.50	-
Manganese	-	0.05	0.05	<0.00100	-	-	<0.00100	-
Calcium	-	-	-	<0.04	-	-	0.11	-

All results reported in mg/l (ppm)

1 Maximum Contaminant Levels

2 Trigger level identified on WA Dept of Health analytical results forms.

3 Soluble Reactive Phosphorus

4 Federal Action Levels established for distribution systems.