

Spokane County Water Resources - Spokane Valley Rathdrum Prairie Aquifer Monitoring
2013 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		2	3	4	1	2	3	4	3		
Sample Date		8/15/13	8/14/13	2/12/13	5/7/13	8/14/13	11/6/13	2/12/13	5/7/13	8/13/13	11/6/13	8/13/13		
Static Water Level (ft)		180.10	141.80	82.74	81.34	86.55	83.96	64.94	59.74	67.68	66.35	67.74		
Sample Depth (ft)		182	148.5	86	86	87.5	86	66	63	69	67.5	105.5		
Conductivity (µS/cm)		261.00	243.00	193.00	185.00	203.00	227.00	321.00	311.00	316.00	322.00	314.00		
Water Temperature (C°)		13.90	14.42	13.29	12.82	12.97	13.67	10.74	11.66	12.18	10.76	11.88		
pH		7.93	7.86	7.76	7.63	7.57	7.72	6.98	7.72	7.70	7.58	7.73		
Analytes	Washington Drinking Water Standards													
	MCL ¹	Trigger Level ²	Secondary											
Phosphorus	-	-	-	0.003	0.003	0.006	0.002	0.004	0.004	0.005	0.003	0.004	0.004	0.006
SRP ³	-	-	-	0.002	0.003	0.003	0.002	0.003	0.003	0.002	0.003	0.004	0.003	0.004
Nitrate+Nitrite	10	5	-	1.22	1.28	0.75	0.74	1.08	1.12	1.45	1.65	1.63	1.59	1.60
Arsenic	0.01	0.005	-	0.00310	0.00260	-	-	0.00260	-	-	-	0.00270	-	0.00250
Lead ⁴	0.015	-	-	<0.00100	<0.00100	-	-	<0.00100	-	-	-	<0.00100	-	<0.00100
Copper ⁴	1.3	-	-	0.00215	0.00133	-	-	0.00128	-	-	-	<0.00100	-	<0.00100
Mercury	0.002	0.0004	-	<0.00020	<0.00020	-	-	<0.00020	-	-	-	<0.00020	-	<0.00020
Cadmium	0.005	0.005	-	<0.000200	<0.000200	-	-	<0.000200	-	-	-	<0.000200	-	<0.000200
Chromium	0.1	0.02	-	<0.00150	<0.00150	-	-	<0.00150	-	-	-	<0.00150	-	<0.00150
Fluoride	4	0.5	2	0.110	<0.100	-	-	<0.100	-	-	-	<0.100	-	<0.100
Chloride	-	250	250	5.97	5.61	3.37	4.06	4.15	4.85	4.95	5.50	5.24	4.85	5.23
Sodium	-	-	-	4.57	3.68	-	-	3.22	-	-	-	4.27	-	4.22
Zinc	-	5	5	<0.005	<0.005	-	-	<0.005	-	-	-	<0.005	-	<0.005
Magnesium	-	-	-	13.90	9.96	-	-	8.27	-	-	-	16.60	-	16.90
Potassium	-	-	-	1.95	1.79	-	-	1.58	-	-	-	1.95	-	1.97
Manganese	-	0.05	0.05	<0.00100	<0.00100	-	-	<0.00100	-	-	-	<0.00100	-	<0.00100
Calcium	-	-	-	29.80	28.70	-	-	23.60	-	-	-	38.80	-	38.90

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
2013 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		2/12/13	2/12/13	5/8/13	5/8/13	8/14/13	8/14/13	11/6/13	11/6/13	5/7/13	8/13/13	2/12/13	5/8/13	8/14/13	11/6/13		
Static Water Level (ft)		37.06	-	32.32	-	40.24	-	38.15	-	56.57	63.03	66.78	62.75	69.85	68.19		
Sample Depth (ft)		41	-	41	-	41	-	41	-	68	68	68	68	71	69.5		
Conductivity (µS/cm)		207.00	-	220.00	-	199.00	-	199	-	180.00	172.00	252.00	236.00	230.00	236.00		
Water Temperature (C°)		12.89	-	13.03	-	13.82	-	13.36	-	14.70	15.04	12.44	14.34	14.53	12.50		
pH		8.02	-	8.07	-	8.00	-	8.15	-	8.04	8.08	7.94	7.99	7.91	8.03		
Analytes	Washington Drinking Water Standards																
	MCL ¹	Trigger Level ²	Secondary														
Phosphorus	-	-	-	0.005	0.005	0.003	0.003	0.003	0.003	0.004	0.003	-	0.019	0.005	0.004	0.004	0.005
SRP ³	-	-	-	0.002	0.002	0.002	0.002	0.001	<0.001	0.003	0.002	-	0.019	0.003	0.003	0.004	0.004
Nitrate+Nitrite	10	5	-	0.88	0.88	1.21	1.19	0.96	0.94	0.92	0.90	-	0.83	1.00	1.24	1.18	1.13
Arsenic	0.01	0.005	-	-	-	-	-	0.00320	0.00330	-	-	0.00710	0.00730	-	-	0.00260	-
Lead ⁴	0.015	-	-	-	-	-	-	<0.00100	<0.00100	-	-	<0.00100	<0.00100	-	-	<0.00100	-
Copper ⁴	1.3	-	-	-	-	-	-	0.00145	<0.00100	-	-	0.00130	<0.00100	-	-	<0.00100	-
Mercury	0.002	0.0004	-	-	-	-	-	<0.00020	<0.00020	-	-	<0.00020	<0.00020	-	-	<0.00020	-
Cadmium	0.005	0.005	-	-	-	-	-	<0.000200	<0.000200	-	-	<0.000200	<0.000200	-	-	<0.000200	-
Chromium	0.1	0.02	-	-	-	-	-	<0.00150	<0.00150	-	-	-	<0.00150	-	-	<0.00150	-
Fluoride	4	0.5	2	-	-	-	-	<0.100	<0.100	-	-	-	<0.100	-	-	<0.100	-
Chloride	-	250	250	3.58	3.60	5.10	5.20	3.41	3.42	3.49	3.49	-	2.30	9.09	7.36	5.73	6.79
Sodium	-	-	-	-	-	-	-	2.82	2.80	-	-	-	2.80	-	-	14.40	-
Zinc	-	5	5	-	-	-	-	<0.005	<0.005	-	-	<0.005	<0.005	-	-	<0.005	-
Magnesium	-	-	-	-	-	-	-	7.95	7.91	-	-	-	6.60	-	-	9.31	-
Potassium	-	-	-	-	-	-	-	1.62	1.58	-	-	-	1.27	-	-	1.71	-
Manganese	-	0.05	0.05	-	-	-	-	0.00377	0.00514	-	-	-	<0.00100	-	-	<0.00100	-
Calcium	-	-	-	-	-	-	-	23.30	23.20	-	-	-	23.50	-	-	26.10	-

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
2013 Quarterly Results

Well Name		Third & Havana Nested Site, east				Third & Havana Nested Site, mid	Plantes Ferry Park monitoring well	monitoring well Frederick & Bowdish	Sullivan Road and Centennial Trail, monitoring well						
WQMP Well ID		5322A01				5322A03	5404A01	5409C02	5411R04						
SampleID/Comment		5322A01	5322A01	5322A01	5322A01	5322A03	5404A01	5409C02	5411R04	5411R04	5411R04	5411R04	5411R04a		
Quarter		1	2	3	4	3	3	3	1	2	3	4	4		
Sample Date		2/12/13	5/8/13	8/14/13	11/6/13	8/14/13	8/13/13	8/13/13	2/11/13	5/6/13	8/13/13	11/5/13	11/5/13		
Static Water Level (ft)		49.25	44.91	52.39	50.68	52.37	49.31	92.14	52.83	47.72	56.21	54.25	-		
Sample Depth (ft)		50.5	47	53.5	51.5	90	110	93	54	49	58	55.5	-		
Conductivity (µS/cm)		272.00	262.00	263.00	267.00	269.00	293.00	282.00	271.00	217.00	240.00	264.00	-		
Water Temperature (C°)		12.91	13.56	14.41	12.54	13.98	14.21	11.17	10.79	10.66	12.84	11.00	-		
pH		7.70	7.55	7.72	7.82	7.80	6.56	7.64	7.88	7.98	7.70	8.06	-		
Analytes	Washington Drinking Water Standards														
	MCL ¹	Trigger Level ²	Secondary												
Phosphorus	-	-	-	0.010	0.012	0.007	0.008	0.007	0.076	0.008	0.006	0.005	0.005	0.005	0.004
SRP ³	-	-	-	0.007	0.009	0.006	0.008	0.006	0.066	0.005	0.004	0.004	0.004	0.005	0.004
Nitrate+Nitrite	10	5	-	1.46	1.72	1.68	1.63	1.76	<0.05	1.66	1.270	0.972	1.15	1.24	1.24
Arsenic	0.01	0.005	-	-	-	0.00270	-	0.00300	<0.001	0.00480	-	-	0.00230	-	-
Lead ⁴	0.015	-	-	-	-	<0.00100	-	<0.00100	<0.00100	<0.00100	-	-	<0.00100	-	-
Copper ⁴	1.3	-	-	-	-	<0.00100	-	<0.00100	0.00749	<0.00100	-	-	0.00109	-	-
Mercury	0.002	0.0004	-	-	-	<0.00020	-	<0.00020	<0.00020	<0.00020	-	-	<0.00020	-	-
Cadmium	0.005	0.005	-	-	-	<0.000200	-	<0.000200	<0.000200	<0.000200	-	-	<0.000200	-	-
Chromium	0.1	0.02	-	-	-	<0.00150	-	<0.00150	<0.00150	<0.00150	-	-	<0.00150	-	-
Fluoride	4	0.5	2	-	-	<0.100	-	<0.100	0.260	<0.100	-	-	<0.100	-	-
Chloride	-	250	250	7.65	7.59	6.41	6.69	6.82	2.00	3.01	2.20	2.78	2.48	2.38	2.34
Sodium	-	-	-	-	-	4.24	-	4.67	10.30	3.70	-	-	2.72	-	-
Zinc	-	5	5	-	-	<0.005	-	<0.005	0.01	<0.005	-	-	<0.005	-	-
Magnesium	-	-	-	-	-	10.30	-	10.80	13.70	13.50	-	-	12.80	-	-
Potassium	-	-	-	-	-	1.88	-	1.99	5.15	1.79	-	-	1.61	-	-
Manganese	-	0.05	0.05	-	-	<0.00100	-	<0.00100	0.34700	0.01680	-	-	<0.00100	-	-
Calcium	-	-	-	-	-	30.80	-	32.40	26.50	37.30	-	-	29.60	-	-

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
2013 Quarterly Results

Well Name		Sullivan Park South, monitoring well						Trent & Barker Road, monitoring well					
WQMP Well ID		5411R03						5505D01					
SampleID/Comment		5411R03	5411R03a	5411R03	5411R03a	5411R03	5411R03a	5505D01	5505D01	5505D01	5505D01		
Quarter		1	1	2	2	3	3	1	2	3	4		
Sample Date		2/11/13	2/11/13	5/6/13	5/6/13	8/13/13	8/13/13	2/11/13	5/6/13	8/12/13	11/5/13		
Static Water Level (ft)		30.99	-	25.39	-	35.16	-	91.66	87.84	92.85	91.60		
Sample Depth (ft)		32	-	27.3	-	36	-	93	89	94	92.5		
Conductivity (µS/cm)		261.00	-	227.00	-	259.00	-	357.00	354.00	356.00	356.00		
Water Temperature (C°)		9.69	-	11.73	-	14.33	-	11.59	12.62	12.40	11.12		
pH		7.74	-	7.88	-	7.81	-	7.73	7.78	7.64	7.94		
Analytes	Washington Drinking Water Standards												
	MCL ¹	Trigger Level ²	Secondary										
Phosphorus	-	-	-	0.006	0.005	0.006	0.006	0.006	0.005	0.013	0.013	0.012	0.010
SRP ³	-	-	-	0.004	0.003	0.005	0.004	0.003	0.003	0.010	0.011	0.009	0.010
Nitrate+Nitrite	10	5	-	1.240	1.250	1.090	1.070	1.220	1.260	3.20	3.69	3.51	3.30
Arsenic	0.01	0.005	-	-	-	-	-	0.00230	0.00290	-	-	0.00500	-
Lead ⁴	0.015	-	-	-	-	-	-	<0.00100	<0.00100	-	-	<0.00100	-
Copper ⁴	1.3	-	-	-	-	-	-	<0.00100	<0.00100	-	-	0.00122	-
Mercury	0.002	0.0004	-	-	-	-	-	<0.00020	<0.00020	-	-	<0.00020	-
Cadmium	0.005	0.005	-	-	-	-	-	<0.000200	<0.000200	-	-	<0.000200	-
Chromium	0.1	0.02	-	-	-	-	-	<0.00150	<0.00150	-	-	<0.00150	-
Fluoride	4	0.5	2	-	-	-	-	<0.100	<0.100	-	-	0.100	-
Chloride	-	250	250	2.87	2.79	2.84	2.89	2.18	2.21	5.82	6.11	6.11	5.77
Sodium	-	-	-	-	-	-	-	2.78	2.77	-	-	5.99	-
Zinc	-	5	5	-	-	-	-	<0.005	<0.005	-	-	<0.005	-
Magnesium	-	-	-	-	-	-	-	13.40	13.40	-	-	14.20	-
Potassium	-	-	-	-	-	-	-	1.75	1.74	-	-	2.33	-
Manganese	-	0.05	0.05	-	-	-	-	<0.00100	<0.00100	-	-	<0.00100	-
Calcium	-	-	-	-	-	-	-	32.00	32.00	-	-	50.20	-

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
2013 Quarterly Results

Well Name		Euclid & Barker monitoring well at CID5					Barker Road north of river, monitoring well		Barker Road Centennial Trail North, monitoring well		Barker Road Centennial Trail South, monitoring well		Mission & Barker monitoring well at CID 4			
WQMP Well ID		5507A04					5507H01		5508M01		5508M02		5517D05			
SampleID/Comment		5507A04	5507A04	5507A04a	5507A04	5507A04	5507H01	5507H01	5508M01	5508M01	5508M02	5508M02	5517D05	5517D05		
Quarter		1	2	2	3	4	2	3	2	3	2	3	2	3		
Sample Date		2/11/13	5/7/13	5/7/13	8/12/13	11/5/13	5/7/13	8/12/13	5/7/13	8/12/13	5/7/13	8/12/13	5/7/13	8/14/13		
Static Water Level (ft)		68.80	64.84	-	70.22	68.88	43.31	48.69	61.72	67.29	62.64	68.16	79.37	84.99		
Sample Depth (ft)		70	69.5	-	71.5	70	44.5	49.5	63	68.5	63.5	69.5	85.2	86		
Conductivity (µS/cm)		346.00	331.00	-	336.00	341.00	56.00	56.00	47.00	56.00	50	56.00	107.00	107.00		
Water Temperature (C°)		11.31	11.05	-	10.99	10.04	8.15	23.47	7.93	21.51	8.41	18.96	14.50	14.55		
pH		7.71	7.68	-	7.58	7.64	6.04	6.33	6.67	6.49	6.47	6.44	7.27	7.16		
Analytes	Washington Drinking Water Standards															
	MCL ¹	Trigger Level ²	Secondary													
Phosphorus	-	-	-	0.004	<0.002	<0.002	0.004	0.002	-	0.020	-	0.013	-	0.013	-	0.034
SRP ³	-	-	-	0.002	0.001	0.001	0.001	0.001	-	0.015	-	0.010	-	0.008	-	<0.001
Nitrate+Nitrite	10	5	-	1.66	1.56	1.57	1.82	1.63	-	0.209	-	0.302	-	0.298	-	0.557
Arsenic	0.01	0.005	-	-	0.00120	0.00200	0.002	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	<0.001
Lead ⁴	0.015	-	-	-	<0.00100	<0.00100	<0.00100	-	<0.00100	0.00141	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Copper ⁴	1.3	-	-	-	0.00100	0.00100	<0.00100	-	0.00100	0.00140	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	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Cadmium	0.005	0.005	-	-	<0.000200	<0.000200	<0.000200	-	<0.000200	<0.000200	<0.000200	0.0002	<0.000200	<0.000200	<0.000200	<0.000200
Chromium	0.1	0.02	-	-	-	-	<0.00150	-	-	<0.00150	-	<0.00150	-	<0.00150	-	<0.00150
Fluoride	4	0.5	2	-	-	-	0.100	-	-	<0.100	-	<0.100	-	<0.100	-	<0.100
Chloride	-	250	250	2.32	2.18	2.19	2.19	2.11	-	1.34	-	1.37	-	1.31	-	1.76
Sodium	-	-	-	-	-	-	3.12	-	-	1.97	-	2.06	-	2.06	-	2.12
Zinc	-	5	5	-	<0.005	<0.005	<0.005	-	0.00530	0.01880	0.02730	0.02210	0.00790	0.00930	<0.005	<0.005
Magnesium	-	-	-	-	-	-	18.70	-	-	1.78	-	1.71	-	1.73	-	4.18
Potassium	-	-	-	-	-	-	2.07	-	-	0.91	-	0.88	-	0.82	-	1.19
Manganese	-	0.05	0.05	-	-	-	<0.00100	-	-	0.00554	-	<0.00100	-	<0.00100	-	<0.00100
Calcium	-	-	-	-	-	-	42.80	-	-	5.90	-	5.98	-	5.99	-	11.60

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
2013 Quarterly Results

Well Name		Fire Station Houston & Regal, No. Spokane WD					Holy Cross, Rhoades & Washington monitoring well	Franklin Park, City monitoring well	East Valley High School monitoring well					
WQMP Well ID		6327N04					6330J01	6331J01	6436N01					
SampleID/Comment		6327N04	6327N04	6327N04	6327N04a	6327N04	6330J01	6331J01	6436N01	6436N01	6436N01	6436N01		
Quarter		1	2	3	3	4	3	3	1	2	3	4		
Sample Date		2/12/13	5/8/13	8/15/13	8/15/13	11/6/13	8/15/13	8/15/13	2/11/13	5/6/13	8/13/13	11/5/13		
Static Water Level (ft)		187.08	185.00	188.53	-	189.07	211.04	206.88	114.13	109.53	116.67	114.92		
Sample Depth (ft)		188.5	190	190	-	190.5	212.5	210	115	110.5	118	116		
Conductivity (µS/cm)		455.00	457.00	433.00	-	423.00	253.00	242.00	492.00	440.00	565.00	629.00		
Water Temperature (C°)		13.74	13.99	13.67	-	12.89	13.79	13.86	13.90	13.79	14.32	13.30		
pH		7.69	7.68	7.60	-	7.85	7.24	7.94	7.28	7.47	7.32	7.47		
Analytes	Washington Drinking Water Standards													
	MCL ¹	Trigger Level ²	Secondary											
Phosphorus	-	-	-	0.004	0.003	<0.002	<0.002	0	0.003	0.006	0.049	0.053	0.052	0.048
SRP ³	-	-	-	0.001	0.002	0.001	<0.001	0.001	0.001	0.003	0.048	0.045	0.049	0.045
Nitrate+Nitrite	10	5	-	3.37	4.34	3.41	3.41	4.07	1.37	1.03	3.11	5.15	5.36	3.48
Arsenic	0.01	0.005	-	-	-	0.00180	0.00170	-	0.00360	0.00420	-	-	0.00250	-
Lead ⁴	0.015	-	-	-	-	<0.00100	<0.00100	-	<0.00100	<0.00100	-	-	<0.00100	-
Copper ⁴	1.3	-	-	-	-	0.00149	<0.00100	-	<0.00100	0.00144	-	-	<0.00100	-
Mercury	0.002	0.0004	-	-	-	<0.00020	<0.00020	-	<0.00020	<0.00020	-	-	<0.00020	-
Cadmium	0.005	0.005	-	-	-	<0.000200	<0.000200	-	<0.000200	<0.000200	-	-	<0.000200	-
Chromium	0.1	0.02	-	-	-	<0.00150	<0.00150	-	<0.00150	<0.00150	-	-	0.00165	-
Fluoride	4	0.5	2	-	-	<0.100	<0.100	-	<0.100	<0.100	-	-	0.130	-
Chloride	-	250	250	11.20	16.40	13.20	13.40	12.80	3.58	4.16	10.60	10.30	6.89	6.73
Sodium	-	-	-	-	-	15.00	14.90	-	3.30	3.03	-	-	8.87	-
Zinc	-	5	5	-	-	<0.005	<0.005	-	<0.005	<0.005	-	-	<0.005	-
Magnesium	-	-	-	-	-	25.70	25.70	-	15.30	13.40	-	-	29.60	-
Potassium	-	-	-	-	-	4.03	4.04	-	1.90	1.77	-	-	3.81	-
Manganese	-	0.05	0.05	-	-	<0.00100	<0.00100	-	<0.00100	0.00137	-	-	0.00326	-
Calcium	-	-	-	-	-	37.30	37.40	-	27.30	27.80	-	-	73.80	-

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
2013 Quarterly Results

Well Name		Idaho Road 1000 ft south of Trent, monitoring well					Idaho Road 300 ft south of pipeline, monitoring well				Idaho Road - East Farms monitoring well at CID11					
WQMP Well ID		6524R01					6525R01				6631M07					
SampleID/Comment		6524R01	6524R01	6524R01	6524R01a	6524R01	6525R01	6525R01	6525R01	6525R01	6631M07	6631M07	6631M07	6331M07		
Quarter		1	2	3	3	4	1	2	3	4	1	2	3	4		
Sample Date		2/11/13	5/6/13	8/12/13	8/12/13	11/5/13	2/11/13	5/6/13	8/12/13	11/5/13	2/11/13	5/6/13	8/12/13	11/5/13		
Static Water Level (ft)		122.83	120.61	123.42	-	122.54	101.25	98.87	101.75	100.85	112.41	109.95	112.91	111.92		
Sample Depth (ft)		124	122	125	-	124	102	100	103	102	113.5	112	114	113		
Conductivity (µS/cm)		312.00	312.00	243.00	-	304.00	314.00	305.00	306.00	310.00	269.00	267.00	270.00	276.00		
Water Temperature (C°)		12.59	12.07	11.64	-	11.50	11.30	12.34	11.36	10.47	14.24	15.30	14.80	13.68		
pH		7.70	7.79	7.63	-	7.94	7.62	7.89	7.68	7.96	7.93	7.85	6.92	8.08		
Analytes	Washington Drinking Water Standards															
	MCL ¹	Trigger Level ²	Secondary													
Phosphorus	-	-	-	0.005	0.005	0.004	0.004	0.003	0.004	0.003	0.005	0.002	0.006	0.005	0.005	0.005
SRP ³	-	-	-	0.003	0.004	0.002	0.002	0.002	0.002	0.003	0.001	0.001	0.004	0.005	0.003	0.003
Nitrate+Nitrite	10	5	-	2.56	2.95	2.32	2.32	2.57	1.41	1.370	1.310	1.300	1.53	1.77	1.81	1.72
Arsenic	0.01	0.005	-	-	-	0.00300	0.00270	-	-	-	0.00220	-	-	-	0.00490	-
Lead ⁴	0.015	-	-	-	-	<0.00100	<0.00100	-	-	-	<0.00100	-	-	-	<0.00100	-
Copper ⁴	1.3	-	-	-	-	<0.00100	<0.00100	-	-	-	<0.00100	-	-	-	<0.00100	-
Mercury	0.002	0.0004	-	-	-	<0.00020	<0.00020	-	-	-	<0.00020	-	-	-	<0.00020	-
Cadmium	0.005	0.005	-	-	-	<0.000200	<0.000200	-	-	-	<0.000200	-	-	-	<0.000200	-
Chromium	0.1	0.02	-	-	-	<0.00150	<0.00150	-	-	-	<0.00150	-	-	-	<0.00150	-
Fluoride	4	0.5	2	-	-	<0.100	<0.100	-	-	-	0.110	-	-	-	<0.100	-
Chloride	-	250	250	3.32	3.21	2.81	2.81	3.07	1.96	2.29	1.94	1.98	3.85	3.97	4.11	3.90
Sodium	-	-	-	-	-	3.40	3.37	-	-	-	3.08	-	-	-	2.99	-
Zinc	-	5	5	-	-	<0.005	<0.005	-	-	-	<0.005	-	-	-	<0.005	-
Magnesium	-	-	-	-	-	15.10	15.00	-	-	-	18.30	-	-	-	14.50	-
Potassium	-	-	-	-	-	2.06	2.04	-	-	-	2.06	-	-	-	2.21	-
Manganese	-	0.05	0.05	-	-	<0.00100	<0.00100	-	-	-	<0.00100	-	-	-	<0.00100	-
Calcium	-	-	-	-	-	37.30	37.00	-	-	-	36.60	-	-	-	32.80	-

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
2013 Quarterly Results

Well Name		I.E. COLD STORAGE	CITY of SPOKANE-Nevada	ORCHARD AVE IRRIG DIST, Site 1		CITY of SPOKANE-Ray				E. SPKN WD, Site 1					
WQMP Well ID		5213B01	5308A02	5312H01		5322F01				5324G01					
SampleID/Comment		5213B01	5308A02	5312H01	5312H01	5322F01	5322F01	5322F01	5322F01	5324G01	5324G01	5324G01	5324G01		
Quarter		3	3	2	3	1	2	3	4	1	2	3	4		
Sample Date		7/30/13	7/30/13	5/7/13	7/30/13	1/29/13	5/7/13	7/30/13	10/29/13	1/29/13	5/8/13	7/30/13	10/29/13		
Static Water Level (ft)		-	-	-	-	-	-	-	-	-	-	-	-		
Sample Depth (ft)		-	-	-	-	-	-	-	-	-	-	-	-		
Conductivity (µS/cm)		320.00	218.00	296.00	299.00	487	398	416	465	492	450.00	471.00	471.00		
Water Temperature (C°)		13.36	11.54	10.33	10.58	11.84	11.64	11.97	11.48	11.16	11.15	11.29	10.94		
pH		7.71	7.94	7.96	7.86	6.31	7.55	7.54	7.17	6.98	7.54	7.53	7.45		
Analytes	Washington Drinking Water Standards														
	MCL ¹	Trigger Level ²	Secondary												
Phosphorus	-	-	-	0.008	0.004	0.018	0.015	0.0233969	0.022	0.0181082	0.024	0.020	0.019	0.019	0.021
SRP ³	-	-	-	0.007	0.003	0.017	0.014	0.0230672	0.021	0.0177378	0.023	0.020	0.018	0.019	0.021
Nitrate+Nitrite	10	5	-	2.05	1.06	1.88	2.25	4.03	3.13	3.68	3.9	3.77	3.94	4.25	3.66
Arsenic	0.01	0.005	-	<0.001	0.00270	0.00550	0.00480	-	-	0.0048	-	-	-	0.00420	-
Lead ⁴	0.015	-	-	<0.00100	<0.00100	<0.00100	<0.00100	-	-	<0.00100	-	-	-	<0.00100	-
Copper ⁴	1.3	-	-	0.00135	0.00257	0.00100	<0.00100	-	-	0.00821	-	-	-	0.00211	-
Mercury	0.002	0.0004	-	<0.00020	<0.00020	<0.00020	<0.00020	-	-	<0.00020	-	-	-	<0.00020	-
Cadmium	0.005	0.005	-	<0.000200	<0.000200	<0.000200	<0.000200	-	-	<0.000200	-	-	-	<0.000200	-
Chromium	0.1	0.02	-	0.00581	<0.00150	-	<0.00150	-	-	<0.00150	-	-	-	<0.00150	-
Fluoride	4	0.5	2	0.110	<0.100	-	0.100	-	-	0.170	-	-	-	0.100	-
Chloride	-	250	250	19.90	4.13	4.45	4.51	19.5	14.7	15.8	18	15.90	15.70	17.00	15.40
Sodium	-	-	-	7.64	2.73	-	4.15	-	-	9.04	-	-	-	10.20	-
Zinc	-	5	5	<0.005	0.01	0.01	0.01	-	-	0.01670	-	-	-	0.01410	-
Magnesium	-	-	-	11.70	9.17	-	13.30	-	-	16.7	-	-	-	20.30	-
Potassium	-	-	-	2.38	1.55	-	2.10	-	-	2.89	-	-	-	3.50	-
Manganese	-	0.05	0.05	<0.00100	<0.00100	-	<0.00100	-	-	<0.00100	-	-	-	<0.00100	-
Calcium	-	-	-	35.60	25.50	-	36.30	-	-	51.2	-	-	-	60.90	-

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
2013 Quarterly Results

Well Name		PASADENA PARK #2				Orchard Ave Irrig Dist Site 2			MODERN ELECT WATER, Site 6	Mission Well, LIBERTY LAKE SEWER DIST	6th & Havana monitoring well (MW-2)					
WQMP Well ID		5405K01				5407C01			5408N01	5515C01	5323E01					
SampleID/Comment		5405K01	5405K01	5405K01	5405K01	5407C01	5407C01	5407C01	5408N01	5515C01	5323E01	5323E01	5323E01	5323E01		
Quarter		1	2	3	4	1	3	4	3	3	1	2	3	4		
Sample Date		1/29/13	5/6/13	7/30/13	10/29/13	1/29/13	7/30/13	10/29/13	7/30/13	7/30/13	2/12/13	5/8/13	8/14/13	11/6/13		
Static Water Level (ft)		-	-	-	-	-	-	-	-	-	49.82	45.54	52.94	51.25		
Sample Depth (ft)		-	-	-	-	-	-	-	-	-	51	47	54	52.5		
Conductivity (µS/cm)		213.00	179.00	195.00	206.00	298.00	315.00	301.00	254.00	266.00	391.00	330.00	386.00	388.00		
Water Temperature (C°)		10.97	10.10	9.59	10.42	11.19	11.45	10.34	11.11	11.49	12.50	13.44	14.04	12.40		
pH		6.63	7.20	7.51	7.55	6.81	7.85	7.90	7.99	7.82	7.66	7.54	7.59	7.71		
Analytes	Washington Drinking Water Standards															
	MCL ¹	Trigger Level ²	Secondary													
Phosphorus	-	-	-	0.006	0.007	0.006	0.008	0.016	0.014	0.017	0.004	0.010	0.015	0.014	0.012	0.013
SRP ³	-	-	-	0.006	0.006	0.006	0.007	0.014	0.013	0.015	0.003	0.008	0.012	0.012	0.011	0.012
Nitrate+Nitrite	10	5	-	1.63	1.42	1.54	1.130	0.30	2.08	2.00	1.35	1.86	2.73	2.58	3.15	2.99
Arsenic	0.01	0.005	-	-	-	0.001	-	-	0.00450	-	0.00230	0.003	-	-	0.00390	-
Lead ⁴	0.015	-	-	-	-	<0.00100	-	-	<0.00100	-	<0.00100	<0.00100	-	-	<0.00100	-
Copper ⁴	1.3	-	-	-	-	0.00201	-	-	<0.00100	-	<0.00100	<0.00100	-	-	0.00112	-
Mercury	0.002	0.0004	-	-	-	0.0002	-	-	<0.00020	-	<0.00020	<0.00020	-	-	<0.00020	-
Cadmium	0.005	0.005	-	-	-	<0.000200	-	-	<0.000200	-	<0.000200	<0.000200	-	-	<0.000200	-
Chromium	0.1	0.02	-	-	-	<0.00150	-	-	<0.00150	-	<0.00150	<0.00150	-	-	<0.00150	-
Fluoride	4	0.5	2	-	-	<0.100	-	-	0.110	-	0.100	0.110	-	-	<0.100	-
Chloride	-	250	250	4.25	3.83	4.15	7.36	4.51	4.74	4.11	3.48	4.77	11.90	11.10	12.70	12.10
Sodium	-	-	-	-	-	3.84	-	-	4.57	-	2.98	5.06	-	-	7.65	-
Zinc	-	5	5	-	-	<0.005	-	-	<0.005	-	<0.005	0.00510	-	-	<0.005	-
Magnesium	-	-	-	-	-	7.39	-	-	15.70	-	13.20	10.80	-	-	15.20	-
Potassium	-	-	-	-	-	1.96	-	-	2.30	-	1.88	2.02	-	-	2.64	-
Manganese	-	0.05	0.05	-	-	<0.00100	-	-	<0.00100	-	<0.00100	<0.00100	-	-	<0.00100	-
Calcium	-	-	-	-	-	22.90	-	-	39.70	-	30.10	33.90	-	-	45.20	-

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
2013 Quarterly Results

Well Name		Spokane Co Water Dist #3, Site 2-5, 26th & Vercler						CONSOLIDATED IRRIG DIST 19, Site 2A	Spokane Fish Hatchery well	WHITWORTH WATER DIST. #2, Well 2A	NORTH SPOKANE IRRIG. DIST. # 4, Site 4	CONS. IRRIG DIST 19, Site 11B	MODERN ELECT WATER, Site 11			
WQMP Well ID		5427L01						5518R01	6211K01	6320D01	6328H01	6631M04	5415E03			
SampleID/Comment		5427L01	5427L01a	5427L01	5427L01	5427L01a	5427L01	5427L01a	5518R01	6211K01	6320D01	6328H01	6631M04	5415E03		
Quarter		1	1	2	3	3	4	4	3	3	3	3	3	3		
Sample Date		1/29/13	1/29/13	5/6/13	7/30/13	7/30/13	10/29/13	10/29/13	7/30/13	8/15/13	8/15/13	8/15/13	8/12/13	7/30/13		
Static Water Level (ft)		-	-	-	-	-	-	-	-	-	-	-	-	-		
Sample Depth (ft)		-	-	-	-	-	-	-	-	-	-	-	-	-		
Conductivity (µS/cm)		444.00	-	398.00	415.00	-	410.00	-	163.00	297.00	247.00	241.00	253.00	216.00		
Water Temperature (C°)		8.51	-	11.74	11.74	-	11.05	-	12.15	11.12	11.09	10.61	12.19	10.89		
pH		6.89	-	7.80	7.67	-	7.70	-	8.40	7.90	6.98	7.85	7.90	8.14		
Analytes	Washington Drinking Water Standards															
	MCL ¹	Trigger Level ²	Secondary													
Phosphorus	-	-	-	0.007	0.006	0.007	0.006	0.005	0.008	0.008	0.003	0.005	0.002	0.003	0.005	0.004
SRP ³	-	-	-	0.005	0.005	0.005	0.004	0.004	0.006	0.006	0.002	0.004	0.001	0.002	0.003	0.002
Nitrate+Nitrite	10	5	-	3.04	3.08	2.85	3.19	3.17	2.60	2.66	0.729	1.55	1.06	1.67	1.60	1.110
Arsenic	0.01	0.005	-	-	-	-	0.00410	0.00370	-	-	0.001	0.00380	0.00400	0.00250	0.00520	0.00350
Lead ⁴	0.015	-	-	-	-	-	<0.00100	<0.00100	-	-	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Copper ⁴	1.3	-	-	-	-	-	0.00356	0.00364	-	-	<0.00100	<0.00100	<0.00100	0.00132	0.00144	<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	-	-	-	-	<0.000200	<0.000200	-	-	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200
Chromium	0.1	0.02	-	-	-	-	<0.00150	<0.00150	-	-	<0.00150	<0.00150	<0.00150	<0.00150	<0.00150	<0.00150
Fluoride	4	0.5	2	-	-	-	0.120	0.120	-	-	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100
Chloride	-	250	250	10.30	9.47	9.18	9.78	9.87	10.20	9.04	3.31	6.86	3.35	5.62	3.95	2.81
Sodium	-	-	-	-	-	-	7.12	7.19	-	-	2.49	4.04	3.07	5.08	2.89	2.52
Zinc	-	5	5	-	-	-	<0.005	<0.005	-	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Magnesium	-	-	-	-	-	-	19.00	19.10	-	-	5.67	17.30	14.80	12.10	13.70	10.60
Potassium	-	-	-	-	-	-	2.85	2.88	-	-	1.29	2.19	1.87	2.19	2.05	1.60
Manganese	-	0.05	0.05	-	-	-	<0.00100	<0.00100	-	-	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Calcium	-	-	-	-	-	-	51.30	51.60	-	-	22.30	32.90	26.80	25.80	30.40	24.50

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
2013 Quarterly Results

Well Name		VERA WATER & POWER, New Well 4	New Balfour Park monitoring well				SPOKANE FISH HATCHERY, GRIFFITH SPR				Sullivan Spring	Three Springs					
WQMP Well ID		5426L03	5417R02				6211J01s				5411R05s	5212F01s					
SampleID/Comment		5426L03	5417R02	5417R02	5417R02	5417R02	6211J01s	6211J01S	6211J01S	6211J01s	5411R05S	5212F01s	5212F01S	5212F01S	5212F01s		
Quarter		3	1	2	3	4	1	2	3	4	3	1	2	3	4		
Sample Date		7/30/13	2/11/13	5/6/13	8/13/13	11/5/13	1/29/13	5/8/13	8/15/13	10/29/13	8/13/13	1/29/13	5/8/13	8/14/13	10/29/13		
Static Water Level (ft)		-	70.01	65.68	72.29	71.42	-	-	-	-	-	-	-	-	-		
Sample Depth (ft)		-	71	67	73.5	72.5	-	-	-	-	-	-	-	-	-		
Conductivity (µS/cm)		382.00	197.00	188.00	194	202	344.00	321.00	319.00	337.00	256.00	312.00	252.00	302.00	336.00		
Water Temperature (C°)		10.74	13.32	13.83	15.32	13.2	10.96	11.04	11.24	10.88	11.38	10.88	11.52	11.66	11.42		
pH		7.69	7.87	7.91	7.76	8	7.42	7.94	7.91	7.88	7.72	6.98	7.98	7.77	7.92		
Analytes	Washington Drinking Water Standards																
	MCL ¹	Trigger Level ²	Secondary														
Phosphorus	-	-	-	0.009	0.010	0.010	0.008	0.007	0.005	0.004	0.028	0.006	0.004	0.004	0.005	0.005	0.006
SRP ³	-	-	-	0.006	0.007	0.009	0.006	0.006	0.003	0.004	0.003	0.005	0.004	0.003	0.004	0.004	0.003
Nitrate+Nitrite	10	5	-	3.13	0.92	1.050	0.916	1.000	1.80	1.82	1.71	1.86	1.17	1.90	1.98	2.20	2.56
Arsenic	0.01	0.005	-	0.00440	-	-	0.00240	-	-	-	0.00360	-	0.00290	-	-	0.00360	-
Lead ⁴	0.015	-	-	<0.00100	-	-	<0.00100	-	-	-	<0.00100	-	<0.00100	-	-	<0.00100	-
Copper ⁴	1.3	-	-	<0.00100	-	-	<0.00100	-	-	-	<0.00100	-	<0.00100	-	-	0.00102	-
Mercury	0.002	0.0004	-	<0.00020	-	-	<0.00020	-	-	-	<0.00020	-	<0.00020	-	-	<0.00020	-
Cadmium	0.005	0.005	-	<0.000200	-	-	<0.000200	-	-	-	<0.000200	-	<0.000200	-	-	<0.000200	-
Chromium	0.1	0.02	-	<0.00150	-	-	<0.00150	-	-	-	<0.00150	-	<0.00150	-	-	<0.00150	-
Fluoride	4	0.5	2	0.120	-	-	<0.100	-	-	-	<0.100	-	<0.100	-	-	<0.100	-
Chloride	-	250	250	9.26	3.29	3.26	3.43	3.57	8.71	8.63	8.21	8.76	2.30	8.08	9.72	11.10	11.10
Sodium	-	-	-	7.58	-	-	2.46	-	-	-	4.43	-	2.85	-	-	5.74	-
Zinc	-	5	5	0.02	-	-	<0.005	-	-	-	<0.005	-	<0.005	-	-	<0.005	-
Magnesium	-	-	-	13.80	-	-	8.04	-	-	-	18.50	-	13.20	-	-	12.50	-
Potassium	-	-	-	3.06	-	-	1.42	-	-	-	2.31	-	1.78	-	-	2.14	-
Manganese	-	0.05	0.05	<0.00100	-	-	0.00254	-	-	-	<0.00100	-	<0.00100	-	-	<0.00100	-
Calcium	-	-	-	50.60	-	-	26.10	-	-	-	35.50	-	31.80	-	-	34.40	-

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
2013 Quarterly Results

Well Name				Waikiki Springs				Blank				Equipment Blank			
WQMP Well ID				6306P01s				Blank				Equipment Blank			
SampleID/Comment				6306P01s	6306P01S	6306P01S	6306P01s	BLANK	BLANK	BLANK	BLANK	EQUIP BLANK	EQUIPMEN T BLANK	EQUIPMENT BLANK	EQUIPMENT BLANK
Quarter				1	2	3	4	1	2	3	4	1	2	3	4
Sample Date				1/29/13	5/8/13	8/15/13	10/29/13	2/12/13	5/7/13	8/15/13	11/6/13	2/12/13	5/7/13	8/15/13	11/6/13
Static Water Level (ft)				-	-	-	-	-	-	-	-	-	-	-	-
Sample Depth (ft)				-	-	-	-	-	-	-	-	-	-	-	-
Conductivity (µS/cm)				381.00	226.00	368.00	375.00	-	-	-	-	-	-	-	-
Water Temperature (C°)				10.11	10.74	10.85	10.78	-	-	-	-	-	-	-	-
pH				7.53	7.74	7.61	7.78	-	-	-	-	-	-	-	-
Analytes	Washington Drinking Water Standards														
	MCL ¹	Trigger Level ²	Secondary												
Phosphorus	-	-	-	0.004	0.007	0.003	0.005	0.002	<0.002	<0.002	<0.002	0.002	<0.002	<0.002	<0.002
SRP ³	-	-	-	0.003	0.002	0.002	0.003	0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001
Nitrate+Nitrite	10	5	-	3.21	3.23	3.66	3.77	0.05	<0.05	<0.05	<0.05	0.05	<0.05	<0.05	<0.05
Arsenic	0.01	0.005	-	-	-	0.00240	-	-	<0.001	<0.001	-	-	<0.001	<0.001	-
Lead ⁴	0.015	-	-	-	-	<0.00100	-	-	<0.00100	<0.00100	-	-	<0.00100	<0.00100	-
Copper ⁴	1.3	-	-	-	-	<0.00100	-	-	0.00100	0.00104	-	-	0.00100	<0.00100	-
Mercury	0.002	0.0004	-	-	-	<0.00020	-	-	<0.00020	<0.00020	-	-	<0.00020	<0.00020	-
Cadmium	0.005	0.005	-	-	-	<0.000200	-	-	<0.000200	<0.000200	-	-	<0.000200	<0.000200	-
Chromium	0.1	0.02	-	-	-	<0.00150	-	-	-	<0.00150	-	-	-	<0.00150	-
Fluoride	4	0.5	2	-	-	<0.100	-	-	-	<0.100	-	-	-	<0.100	-
Chloride	-	250	250	9.93	11.70	12.00	11.60	<0.20	<0.20	<0.20	<0.2	<0.20	<0.20	<0.20	<0.2
Sodium	-	-	-	-	-	6.27	-	-	-	<0.5	-	-	-	<0.50	-
Zinc	-	5	5	-	-	<0.005	-	-	<0.005	<0.005	-	-	<0.005	<0.005	-
Magnesium	-	-	-	-	-	23.00	-	-	-	<0.06	-	-	-	<0.06	-
Potassium	-	-	-	-	-	2.64	-	-	-	<0.50	-	-	-	<0.50	-
Manganese	-	0.05	0.05	-	-	<0.00100	-	-	-	<0.00100	-	-	-	<0.00100	-
Calcium	-	-	-	-	-	40.10	-	-	-	<0.04	-	-	-	0.16	-

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.