

Spokane County Water Resources - Spokane Valley Rathdrum Prairie Aquifer Monitoring
2012 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		8/9/12	8/8/12	2/7/12	5/8/12	8/8/12	11/7/12	2/7/12	5/7/12	8/7/12	11/7/12	8/7/12		
Static Water Level (ft)		178.04	136.03	84.05	75.19	84.56	83.70	66.09	53.37	66.65	65.92	66.70		
Sample Depth (ft)		182	148	86	86	86	86	68	64	68	67	105		
Conductivity (µS/cm)		266.00	260.00	222.00	193.00	190.00	233.00	322.00	337.00	347.00	328.00	346.00		
Water Temperature (C°)		8.42	9.15	10.56	8.61	7.14	13.44	7.40	7.15	8.16	10.61	7.32		
pH		7.72	7.91	7.52	7.80	7.58	7.68	7.71	7.80	7.66	7.86	7.55		
Analytes	Washington Drinking Water Standards													
	MCL ¹	Trigger Level ²	Secondary											
Phosphorus	-	-	-	0.004	0.004	0.004	0.014	0.005	0.005	0.004	0.006	0.004	0.005	0.004
SRP ³	-	-	-	0.002	0.003	0.002	0.002	0.005	0.004	0.002	0.003	0.003	0.005	0.003
Nitrate+Nitrite	10	5	-	1.18	1.25	1.02	0.84	0.85	1.36	1.56	1.81	1.73	1.70	1.68
Arsenic	0.01	0.005	-	0.00300	0.00260	-	-	0.00250	-	-	-	0.00310	-	0.00290
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	-	<0.00100
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	0.00175	-	-	0.00152	-	-	-	<0.00150	-	<0.00150
Fluoride	4	0.5	2	0.110	<0.100	-	-	<0.100	-	-	-	<0.100	-	<0.100
Chloride	-	250	250	3.37	5.43	4.56	4.03	3.35	5.65	5.86	5.42	5.89	5.81	5.82
Sodium	-	-	-	4.82	3.57	-	-	2.83	-	-	-	4.45	-	4.48
Zinc	-	5	5	0.01	<0.00500	-	-	<0.00500	-	-	-	<0.00500	-	<0.00500
Magnesium	-	-	-	12.20	10.20	-	-	7.40	-	-	-	16.00	-	16.60
Potassium	-	-	-	1.87	1.81	-	-	1.35	-	-	-	2.10	-	2.14
Manganese	-	0.05	0.05	<0.00100	<0.00100	-	-	<0.00100	-	-	-	<0.00100	-	<0.00100
Calcium	-	-	-	27.00	29.80	-	-	20.90	-	-	-	36.10	-	36.30

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
2012 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	5310Q01 a	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		2/7/12	2/7/12	5/9/12	5/9/12	8/8/12	8/8/12	11/7/12	11/7/12	5/8/12	8/7/12	2/7/12	5/9/12	8/8/12	11/7/12		
Static Water Level (ft)		38.34	-	26.79	-	39.10	-	38.06	-	50.69	61.77	68.10	57.23	68.54	67.83		
Sample Depth (ft)		41	-	41	-	41	-	41	-	68	68	69	68	69.5	69		
Conductivity (µS/cm)		207.00	-	234.00	-	227.00	-	206	-	218.00	187.00	233.00	255.00	251.00	229.00		
Water Temperature (C°)		10.34	-	8.36	-	8.67	-	13.64	-	10.23	10.69	9.10	9.18	8.80	12.74		
pH		8.00	-	7.93	-	7.89	-	8.05	-	8.09	8.09	7.96	7.98	7.90	8.07		
Analytes	Washington Drinking Water Standards																
	MCL ¹	Trigger Level ²	Secondary														
Phosphorus	-	-	-	0.004	0.004	0.005	0.005	0.004	0.004	0.004	0.004	-	0.017	0.004	0.009	0.005	0.005
SRP ³	-	-	-	0.002	0.001	0.003	0.003	0.003	0.003	0.004	0.003	-	0.016	0.003	0.009	0.004	0.005
Nitrate+Nitrite	10	5	-	1.04	1.02	1.22	1.15	0.97	0.96	1.02	1.04	-	0.79	1.05	1.44	1.12	1.18
Arsenic	0.01	0.005	-	-	-	-	-	0.00320	0.00300	-	-	0.00660	0.00710	-	-	0.00260	-
Lead ⁴	0.015	-	-	-	-	-	-	<0.00100	<0.00100	-	-	<0.00100	<0.00100	-	-	<0.00100	-
Copper ⁴	1.3	-	-	-	-	-	-	<0.00100	<0.00100	-	-	0.00161	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	3.55	3.53	3.79	3.71	3.83	3.88	3.70	3.71	-	2.37	5.56	9.05	5.84	4.23
Sodium	-	-	-	-	-	-	-	3.09	3.03	-	-	-	2.99	-	-	3.12	-
Zinc	-	5	5	-	-	-	-	<0.00500	<0.00500	-	-	<0.00500	<0.00500	-	-	<0.00500	-
Magnesium	-	-	-	-	-	-	-	9.14	8.99	-	-	-	6.05	-	-	10.10	-
Potassium	-	-	-	-	-	-	-	1.63	1.58	-	-	-	1.40	-	-	1.68	-
Manganese	-	0.05	0.05	-	-	-	-	0.00265	0.00285	-	-	-	<0.00100	-	-	<0.00100	-
Calcium	-	-	-	-	-	-	-	26.80	26.50	-	-	-	21.90	-	-	29.00	-

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
2012 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					
WQMP Well ID		5322A01				5322A03	5404A01	5409C02	5411R04					
SampleID/Comment		5322A01	5322A01	5322A01	5322A01	5322A03	5404A01	5409C02	5411R04	5411R04	5411R04	5411R04		
Quarter		1	2	3	4	3	3	3	1	2	3	4		
Sample Date		2/7/12	5/8/12	8/8/12	11/7/12	8/8/12	8/7/12	8/7/12	2/6/12	5/7/12	8/7/12	11/6/12		
Static Water Level (ft)		50.63	38.66	51.02	50.29	50.97	46.65	90.43	54.27	41.83	54.47	53.64		
Sample Depth (ft)		51.5	47	52	51.5	90	110	91	55.5	48	55	54.5		
Conductivity (µS/cm)		268.00	279.00	283.00	273.00	291.00	316.00	305.00	275.00	133.00	233.00	273.00		
Water Temperature (C°)		9.41	9.25	8.67	12.59	8.42	8.62	7.54	7.24	5.85	6.54	11.25		
pH		7.73	7.82	7.74	7.72	7.76	6.46	7.50	7.74	7.91	7.80	7.74		
Analytes	Washington Drinking Water Standards													
	MCL ¹	Trigger Level ²	Secondary											
Phosphorus	-	-	-	0.007	0.017	0.009	0.009	0.009	0.150	0.007	0.004	0.007	0.005	0.005
SRP ³	-	-	-	0.006	0.012	0.007	0.009	0.007	0.038	0.005	0.003	0.004	0.004	0.003
Nitrate+Nitrite	10	5	-	1.64	1.82	1.70	1.75	1.77	<0.05	1.62	1.440	0.464	1.02	1.33
Arsenic	0.01	0.005	-	-	-	0.00260	-	0.00320	<0.001	0.00500	-	-	0.00250	-
Lead ⁴	0.015	-	-	-	-	<0.00100	-	<0.00100	<0.00100	<0.00100	-	-	<0.00100	-
Copper ⁴	1.3	-	-	-	-	<0.00100	-	<0.00100	0.00257	<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	-	-	-	0.00151	-	<0.00150	<0.00150	<0.00150	-	-	<0.00150	-
Fluoride	4	0.5	2	-	-	<0.100	-	<0.100	0.290	<0.100	-	-	<0.100	-
Chloride	-	250	250	8.99	9.18	6.51	7.10	7.03	2.13	3.31	2.15	1.67	2.22	2.23
Sodium	-	-	-	-	-	4.25	-	4.35	10.80	3.82	-	-	2.47	-
Zinc	-	5	5	-	-	<0.00500	-	<0.00500	<0.00500	<0.00500	-	-	<0.00500	-
Magnesium	-	-	-	-	-	10.70	-	10.70	13.20	12.70	-	-	10.80	-
Potassium	-	-	-	-	-	1.84	-	1.82	5.68	1.87	-	-	1.52	-
Manganese	-	0.05	0.05	-	-	<0.00100	-	<0.00100	0.35900	0.01010	-	-	<0.00100	-
Calcium	-	-	-	-	-	32.90	-	32.60	25.60	34.40	-	-	24.30	-

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
2012 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	5411R03	5411R03a	5505D01	5505D01	5505D01	5505D01		
Quarter		1	1	2	2	3	3	4	4	1	2	3	4		
Sample Date		2/6/12	2/6/12	5/7/12	5/7/12	8/7/12	8/7/12	11/6/12	11/6/12	2/6/12	5/8/12	8/6/12	11/6/12		
Static Water Level (ft)		32.50	-	19.36	-	33.68	-	31.98	-	93.27	81.28	90.14	91.01		
Sample Depth (ft)		33.5	-	27.5	-	34.5	-	33	-	94	87	91	92		
Conductivity (µS/cm)		256.00	-	215.00	-	283.00	-	267.00	-	338.00	372.00	380.00	350.00		
Water Temperature (C°)		6.96	-	7.42	-	7.98	-	11.58	-	7.61	7.29	6.80	11.18		
pH		7.74	-	7.56	-	7.75	-	7.74	-	7.65	7.8	7.33	7.61		
Analytes	Washington Drinking Water Standards														
	MCL ¹	Trigger Level ²	Secondary												
Phosphorus	-	-	-	0.003	0.003	0.008	0.008	0.005	0.004	0.005	0.005	0.010	0.014	0.012	0.013
SRP ³	-	-	-	0.003	0.003	0.005	0.005	0.004	0.004	0.002	0.002	0.010	0.012	0.008	0.009
Nitrate+Nitrite	10	5	-	1.500	1.480	0.912	0.916	1.230	1.180	1.48	1.48	3.01	3.72	2.74	3.12
Arsenic	0.01	0.005	-	-	-	-	-	0.00270	0.00280	-	-	-	-	0.00540	-
Lead ⁴	0.015	-	-	-	-	-	-	<0.00100	<0.00100	-	-	-	-	<0.00100	-
Copper ⁴	1.3	-	-	-	-	-	-	<0.00100	<0.00100	-	-	-	-	<0.00100	-
Mercury	0.002	0.0004	-	-	-	-	-	<0.00020	<0.00020	-	-	-	-	<0.00020	-
Cadmium	0.005	0.005	-	-	-	-	-	<0.000200	<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	2.25	2.31	2.82	2.82	2.19	2.22	2.35	2.30	5.37	5.67	6.05	5.67
Sodium	-	-	-	-	-	-	-	3.04	3.01	-	-	-	-	6.20	-
Zinc	-	5	5	-	-	-	-	<0.00500	<0.00500	-	-	-	-	<0.00500	-
Magnesium	-	-	-	-	-	-	-	13.00	12.80	-	-	-	-	13.90	-
Potassium	-	-	-	-	-	-	-	1.87	1.85	-	-	-	-	2.42	-
Manganese	-	0.05	0.05	-	-	-	-	<0.00100	<0.00100	-	-	-	-	<0.00100	-
Calcium	-	-	-	-	-	-	-	29.90	29.50	-	-	-	-	47.50	-

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
2012 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		2/6/12	5/8/12	5/8/12	8/6/12	11/6/12	5/8/12	8/6/12	5/8/12	8/6/12	5/8/12	8/6/12	5/8/12	8/6/12		
Static Water Level (ft)		70.41	58.16	-	67.56	68.23	36.60	46.11	55.16	64.69	55.99	65.20	72.71	82.14		
Sample Depth (ft)		71.5	69.5	-	68.5	69.5	39.5	47	64	65.5	63.5	66.5	85	83		
Conductivity (µS/cm)		344.00	365.00	-	367.00	351.00	52.00	57.00	50.00	56.00	58	58.00	116.00	109.00		
Water Temperature (C°)		6.31	6.76	-	7.33	10.40	5.78	17.74	3.96	13.81	4.73	11.11	10.49	8.62		
pH		7.51	7.69	-	7.54	7.59	6.86	6.32	6.75	6.38	6.96	6.54	7.29	7.07		
Analytes	Washington Drinking Water Standards															
	MCL ¹	Trigger Level ²	Secondary													
Phosphorus	-	-	-	0.003	0.004	0.005	0.004	0.004	-	0.023	-	0.012	-	0.011	-	0.005
SRP ³	-	-	-	0.002	0.003	0.003	0.002	0.001	-	0.021	-	0.009	-	0.008	-	0.002
Nitrate+Nitrite	10	5	-	1.86	1.78	1.75	1.58	1.78	-	0.139	-	0.220	-	0.198	-	0.435
Arsenic	0.01	0.005	-	-	0.00190	0.00190	0.002	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	0.00110
Lead ⁴	0.015	-	-	-	<0.00100	<0.00100	<0.00100	-	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Copper ⁴	1.3	-	-	-	<0.00100	<0.00100	<0.00100	-	0.00102	<0.00100	<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	<0.000200	<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	-	<0.100	-	<0.100	-	<0.100
Chloride	-	250	250	2.17	2.38	2.24	2.32	2.34	-	1.12	-	1.12	-	1.06	-	1.69
Sodium	-	-	-	-	-	-	3.17	-	-	2.00	-	1.96	-	1.98	-	1.93
Zinc	-	5	5	-	<0.00500	<0.00500	<0.00500	-	<0.00500	0.00730	0.02630	0.02080	0.00710	0.00700	<0.00500	<0.00500
Magnesium	-	-	-	-	-	-	18.20	-	-	1.62	-	1.58	-	1.60	-	3.98
Potassium	-	-	-	-	-	-	2.15	-	-	1.01	-	0.85	-	0.80	-	1.05
Manganese	-	0.05	0.05	-	-	-	<0.00100	-	-	0.00304	-	<0.00100	-	0.00124	-	<0.00100
Calcium	-	-	-	-	-	-	41.20	-	-	5.62	-	5.72	-	5.93	-	11.80

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
2012 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	6327NO4	6327NO4	6327NO4a	6327N04	6330J01	6331J01	6436N01	6436N01	6436N01	6436N01		
Quarter		1	2	3	3	4	3	3	1	2	3	4		
Sample Date		2/7/12	5/9/12	8/9/12	8/9/12	11/7/12	8/9/12	8/9/12	2/6/12	5/7/12	8/7/12	11/6/12		
Static Water Level (ft)		188.08	183.98	185.91	-	188.59	208.64	204.86	115.70	103.39	114.56	114.49		
Sample Depth (ft)		189.5	187	187	-	190	210	208.5	117	104.5	115	115.5		
Conductivity (µS/cm)		405.00	408.00	452.00	-	478.00	272.00		432.00	429.00	512.00	584.00		
Water Temperature (C°)		11.81	9.30	8.62	-	13.34	9.60	9.28	9.83	8.55	9.74	13.32		
pH		7.56	7.76	7.54	-	7.61	7.86	7.90	7.37	7.44	7.35	7.17		
Analytes	Washington Drinking Water Standards													
	MCL ¹	Trigger Level ²	Secondary											
Phosphorus	-	-	-	0.002	0.005	0.002	0.003	0	0.003	0.003	0.048	0.044	0.052	0.047
SRP ³	-	-	-	0.001	0.004	0.001	0.002	0.002	0.002	0.002	0.040	0.040	0.052	0.044
Nitrate+Nitrite	10	5	-	2.79	3.15	3.52	3.59	4.26	1.14	1.09	2.78	3.67	3.00	3.69
Arsenic	0.01	0.005	-	-	-	0.00170	0.00180	-	0.00350	0.00410	-	-	0.00250	-
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	-	-	<0.00100	-
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	-	-	-	0.00151	<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	13.20	12.20	13.80	10.90	15.60	3.27	5.18	6.51	10.80	7.41	7.28
Sodium	-	-	-	-	-	11.10	11.50	-	3.19	3.04	-	-	11.50	-
Zinc	-	5	5	-	-	0.01	<0.00500	-	<0.00500	<0.00500	-	-	<0.00500	-
Magnesium	-	-	-	-	-	25.40	25.70	-	14.50	13.50	-	-	22.60	-
Potassium	-	-	-	-	-	3.67	3.73	-	1.81	1.72	-	-	3.59	-
Manganese	-	0.05	0.05	-	-	<0.00100	<0.00100	-	<0.00100	0.00142	-	-	0.00201	-
Calcium	-	-	-	-	-	34.70	35.00	-	24.80	26.80	-	-	56.60	-

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
2012 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 duplicate	6524R01	6525R01	6525R01	6625R01	6525R01	6631M07	6631M07	6631M07	6631M07		
Quarter		1	2	3	3	4	1	2	3	4	1	2	3	4		
Sample Date		2/6/12	5/7/12	8/6/12	8/6/12	11/6/12	2/6/12	5/7/12	8/6/12	11/6/12	2/6/12	5/7/12	8/6/12	11/6/12		
Static Water Level (ft)		124.72	115.02	119.89	-	121.42	103.13	93.09	98.26	99.68	114.25	103.86	109.48	110.74		
Sample Depth (ft)		126	116	121	-	123	104	94	99	100.5	115.5	105	110.5	112		
Conductivity (µS/cm)		292.00	330.00	333.00	-	285.00	301.00	314.00	329.00	317.00	256.00	282.00	289.00	270.00		
Water Temperature (C°)		7.44	6.94	7.30	-	10.63	6.98	6.63	6.45	10.48	10.86	10.24	10.02	13.99		
pH		7.72	7.74	7.58	-	7.63	7.66	7.79	7.65	7.57	7.76	7.86	6.75	7.83		
Analytes	Washington Drinking Water Standards															
	MCL ¹	Trigger Level ²	Secondary													
Phosphorus	-	-	-	0.005	0.015	0.009	0.009	0.006	0.002	0.005	0.004	0.006	0.005	0.006	0.007	0.007
SRP ³	-	-	-	0.004	0.004	0.003	0.003	0.002	0.001	0.003	0.003	0.001	0.003	0.005	0.005	0.003
Nitrate+Nitrite	10	5	-	2.93	3.11	2.27	2.24	2.06	1.22	0.965	1.110	1.470	1.63	1.76	1.59	1.81
Arsenic	0.01	0.005	-	-	-	0.00370	0.00400	-	-	-	0.00230	-	-	-	0.00510	-
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	0.00159	-	-	-	<0.00150	-	-	-	<0.00150	-
Fluoride	4	0.5	2	-	-	<0.100	<0.100	-	-	-	<0.100	-	-	-	<0.100	-
Chloride	-	250	250	3.71	2.93	2.70	2.75	3.18	1.65	1.47	1.90	2.17	3.67	3.44	3.77	3.92
Sodium	-	-	-	-	-	3.35	3.46	-	-	-	2.98	-	-	-	2.97	-
Zinc	-	5	5	-	-	<0.00500	<0.00500	-	-	-	<0.00500	-	-	-	<0.00500	-
Magnesium	-	-	-	-	-	15.80	16.10	-	-	-	18.00	-	-	-	14.30	-
Potassium	-	-	-	-	-	2.17	2.26	-	-	-	2.19	-	-	-	2.31	-
Manganese	-	0.05	0.05	-	-	0.00702	0.00742	-	-	-	<0.00100	-	-	-	<0.00100	-
Calcium	-	-	-	-	-	37.50	38.20	-	-	-	34.30	-	-	-	31.70	-

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
2012 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 south	5324G01	5324G01	5324G01	5324G01		
Quarter		3	3	2	3	1	2	3	4	1	2	3	4		
Sample Date		7/31/12	7/31/12	5/8/12	7/31/12	1/31/12	5/8/12	7/31/12	10/30/12	1/31/12	5/9/12	7/31/12	10/30/12		
Static Water Level (ft)		-	-	-	-	-	-	-	-	-	-	-	-		
Sample Depth (ft)		-	-	-	-	-	-	-	-	-	-	-	-		
Conductivity (µS/cm)		178.00	212.00	332.00	338.00	419	416	393	474	453	480.00	499.00	473.00		
Water Temperature (C°)		7.63	6.79	6.38	5.18	8.38	7.5	6.86	12.4	7.99	6.98	6.46	11.19		
pH		7.72	7.80	7.91	7.71	7.29	7.54	7.39	7.25	7.34	7.42	7.41	7.27		
Analytes	Washington Drinking Water Standards														
	MCL ¹	Trigger Level ²	Secondary												
Phosphorus	-	-	-	0.009	0.005	0.025	0.017	0.0191231	0.0253096	0.019	0.021	0.019	0.021	0.019	0.022
SRP ³	-	-	-	0.007	0.003	0.022	0.014	0.0171447	0.0220798	0.018	0.021	0.018	0.019	0.018	0.021
Nitrate+Nitrite	10	5	-	2.01	0.99	2.41	2.24	3.57	3.2	2.77	4.04	3.90	3.91	3.76	3.89
Arsenic	0.01	0.005	-	0.00240	0.00270	0.00550	0.00520	-	-	0.0042	-	-	-	0.00460	-
Lead ⁴	0.015	-	-	<0.00100	<0.00100	<0.00100	<0.00100	-	-	<0.00100	-	-	-	<0.00100	-
Copper ⁴	1.3	-	-	0.00120	0.00248	<0.00100	<0.00100	-	-	0.00588	-	-	-	0.00187	-
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	-	<0.00150	<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	21.60	3.83	5.27	5.06	14.4	15.5	12.3	19.8	14.50	15.60	16.90	16.00
Sodium	-	-	-	7.78	2.67	-	4.18	-	-	7.12	-	-	-	9.08	-
Zinc	-	5	5	<0.00500	<0.00500	0.01	0.01	-	-	<0.00500	-	-	-	0.01020	-
Magnesium	-	-	-	12.10	8.91	-	14.10	-	-	14.2	-	-	-	18.80	-
Potassium	-	-	-	2.52	1.58	-	2.25	-	-	2.61	-	-	-	3.35	-
Manganese	-	0.05	0.05	<0.00100	<0.00100	-	<0.00100	-	-	<0.00100	-	-	-	<0.00100	-
Calcium	-	-	-	34.90	23.30	-	36.40	-	-	41.6	-	-	-	53.20	-

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
2012 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		1/31/12	5/7/12	7/31/12	10/30/12	1/31/12	7/31/12	10/30/12	7/31/12	7/31/12	2/7/12	5/9/12	8/8/12	11/7/12		
Static Water Level (ft)		-	-	-	-	-	-	-	-	-	51.20	39.59	51.57	50.82		
Sample Depth (ft)		-	-	-	-	-	-	-	-	-	52	41	52.5	52		
Conductivity (µS/cm)		198.00	182.00	219.00	197.00	299.00	341.00	311.00	274.00	236.00	373.00	355.00	399.00	387.00		
Water Temperature (C°)		7.19	5.02	4.46	9.43	7.24	7.67	10.93	6.03	6.12	9.70	8.54	8.92	12.71		
pH		7.33	6.95	7.49	7.49	7.71	7.71	7.64	7.98	7.87	7.56	7.70	7.60	7.68		
Analytes	Washington Drinking Water Standards															
	MCL ¹	Trigger Level ²	Secondary													
Phosphorus	-	-	-	0.007	0.008	0.007	0.006	0.015	0.017	0.014	0.004	0.010	0.010	0.021	0.011	0.012
SRP ³	-	-	-	0.006	0.004	0.006	0.006	0.014	0.016	0.014	0.003	0.007	0.008	0.020	0.010	0.012
Nitrate+Nitrite	10	5	-	1.56	1.08	1.54	1.040	1.89	2.00	1.85	1.36	1.18	2.80	2.66	2.94	3.21
Arsenic	0.01	0.005	-	-	-	0.001		-	0.00410	-	0.00260	0.003	-	-	0.00380	-
Lead ⁴	0.015	-	-	-	-	<0.00100		-	<0.00100	-	<0.00100	<0.00100	-	-	<0.00100	-
Copper ⁴	1.3	-	-	-	-	0.00198		-	<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	-	-	-	<0.000200		-	<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	-	<0.100	0.120	-	-	<0.100	-
Chloride	-	250	250	4.05	3.41	4.26	2.71	4.42	5.24	4.54	3.45	3.33	11.10	9.57	11.60	12.90
Sodium	-	-	-	-	-	3.83		-	4.24	-	2.72	4.08	-	-	7.16	-
Zinc	-	5	5	-	-	<0.00500		-	<0.00500	-	<0.00500	<0.00500	-	-	<0.00500	-
Magnesium	-	-	-	-	-	7.70		-	15.10	-	12.70	8.64	-	-	15.50	-
Potassium	-	-	-	-	-	1.94		-	2.29	-	1.84	1.78	-	-	2.54	-
Manganese	-	0.05	0.05	-	-	<0.00100		-	<0.00100	-	<0.00100	<0.00100	-	-	<0.00100	-
Calcium	-	-	-	-	-	22.40		-	36.20	-	27.20	25.40	-	-	46.30	-

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
2012 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 duplicate	5427L01	5427L01	5427L01A duplicate	5427L01	5427L01A duplicate	5518R01	6211K01	6320D01	6328H01	6631M04	5415E03		
Quarter		1	1	2	3	3	4	4	3	3	3	3	3	3		
Sample Date		1/31/12	1/31/12	5/7/12	7/31/12	7/31/12	10/30/12	10/30/12	7/31/12	8/9/12	8/9/12	8/9/12	8/6/12	7/31/12		
Static Water Level (ft)		-	-	-	-	-	-	-	-	-	-	-	-	-		
Sample Depth (ft)		-	-	-	-	-	-	-	-	-	-	-	-	-		
Conductivity (µS/cm)		418.00	-	434.00	454.00	-	429.00	-	187.00	-	272.00	251.00	270.00	229.00		
Water Temperature (C°)		7.65	-	6.98	6.43	-	11.32	-	7.20	-	5.82	5.50	7.53	5.90		
pH		7.51	-	7.64	7.51	-	7.62	-	8.25	-	7.94	8.03	7.77	7.94		
Analytes	Washington Drinking Water Standards															
	MCL ¹	Trigger Level ²	Secondary													
Phosphorus	-	-	-	0.006	0.006	0.007	0.006	0.006	0.005	0.005	0.007	0.005	0.003	0.004	0.006	0.004
SRP ³	-	-	-	0.005	0.005	0.012	0.004	0.004	0.004	0.004	0.002	0.004	0.003	0.004	0.003	0.003
Nitrate+Nitrite	10	5	-	3.20	3.29	3.14	3.13	3.23	3.11	3.14	0.991	1.54	1.05	1.22	1.48	1.050
Arsenic	0.01	0.005	-	-	-	-	0.00400	0.00420	-	-	0.001	0.00410	0.00350	0.00270	0.00550	0.00310
Lead ⁴	0.015	-	-	-	-	-	<0.00100	<0.00100	-	-	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Copper ⁴	1.3	-	-	-	-	-	<0.00100	0.00107	-	-	<0.00100	0.00226	<0.00100	0.00133	<0.00100	0.00195
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	-	-	-	<0.100	<0.100	-	-	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100
Chloride	-	250	250	8.70	8.76	9.32	9.67	9.68	10.00	9.27	3.66	6.42	3.36	5.03	3.67	2.87
Sodium	-	-	-	-	-	-	6.68	6.71	-	-	2.39	3.84	2.93	4.82	2.83	2.36
Zinc	-	5	5	-	-	-	<0.00500	<0.00500	-	-	<0.00500	0.01760	<0.00500	<0.00500	<0.00500	<0.00500
Magnesium	-	-	-	-	-	-	18.80	19.10	-	-	5.87	16.30	14.30	11.30	13.00	10.20
Potassium	-	-	-	-	-	-	2.87	2.90	-	-	1.40	2.05	1.77	2.14	2.05	1.66
Manganese	-	0.05	0.05	-	-	-	<0.00100	<0.00100	-	-	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Calcium	-	-	-	-	-	-	48.60	49.20	-	-	22.40	29.70	25.00	24.30	28.30	22.60

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
2012 Quarterly Results

Well Name		New Balfour Park monitoring well				SPOKANE FISH HATCHERY, GRIFFITH SPR				Sullivan Spring	Three Springs					
WQMP Well ID		5417R02				6211J01s				5411R05s	5212F01s					
SampleID/Comment		5417R02	5417R02	5417R02	5417R02	6211J01s	6211J01s	6211J01s	6211J01s	Sullivan Spring	5212F01s	5212F01s	5212F01s	5212F01s		
Quarter		1	2	3	4	1	2	3	4	3	1	2	3	4		
Sample Date		2/6/12	5/7/12	8/7/12	11/6/12	1/31/12	5/9/12	8/9/12	10/30/12	8/7/12	1/31/12	5/9/12	8/9/12	10/30/12		
Static Water Level (ft)		71.37	60.63	70.12	71.16	-	-	-	-	-	-	-	-	-		
Sample Depth (ft)		72.5	67	71	72	-	-	-	-	-	-	-	-	-		
Conductivity (µS/cm)		194.00	202.00	210	205	330.00	342.00	310.00	214.00	273.00	317.00	298.00	277.00	325.00		
Water Temperature (C°)		10.02	9.50	10.29	13.37	7.42	11.20	10.90	10.95	6.01	7.77	12.10	11.40	11.02		
pH		7.94	8.05	7.83	7.87	7.78	-	-	7.77	7.63	7.78	-	-	7.74		
Analytes	Washington Drinking Water Standards															
	MCL ¹	Trigger Level ²	Secondary													
Phosphorus	-	-	-	0.007	0.028	0.006	0.007	0.007	0.007	0.004	0.005	0.003	0.005	0.008	0.006	0.003
SRP ³	-	-	-	0.006	0.010	0.006	0.004	0.006	0.005	0.004	0.003	0.002	0.005	0.006	0.004	0.003
Nitrate+Nitrite	10	5	-	1.07	1.100	0.920	1.030	1.93	1.73	1.73	1.80	1.17	2.41	1.76	1.89	2.42
Arsenic	0.01	0.005	-	-	-	0.00290	-	-	-	0.00360	-	0.00320	-	-	0.00380	-
Lead ⁴	0.015	-	-	-	-	<0.00100	-	-	-	<0.00100	-	<0.00100	-	-	<0.00100	-
Copper ⁴	1.3	-	-	-	-	<0.00100	-	-	-	<0.00100	-	<0.00100	-	-	0.00119	-
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	-	<0.100	-	-	<0.100	-
Chloride	-	250	250	3.23	3.34	3.41	3.48	8.23	7.82	8.29	9.34	2.19	8.64	9.24	9.88	12.10
Sodium	-	-	-	-	-	2.59	-	-	-	4.29	-	3.22	-	-	5.30	-
Zinc	-	5	5	-	-	<0.00500	-	-	-	<0.00500	-	<0.00500	-	-	<0.00500	-
Magnesium	-	-	-	-	-	7.73	-	-	-	17.70	-	12.60	-	-	12.20	-
Potassium	-	-	-	-	-	1.52	-	-	-	2.21	-	1.94	-	-	1.98	-
Manganese	-	0.05	0.05	-	-	<0.00100	-	-	-	<0.00100	-	<0.00100	-	-	<0.00100	-
Calcium	-	-	-	-	-	24.00	-	-	-	32.10	-	29.30	-	-	32.40	-

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
2012 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	EQUIPMENT BLANK	EQUIPMENT BLANK	EQUIPMENT BLANK	EQUIPMENT BLANK
Quarter				1	2	3	4	1	2	3	4	1	2	3	4
Sample Date				1/31/12	5/9/12	8/9/12	10/30/12	2/7/12	5/8/12	8/9/12	11/7/12	2/7/12	5/8/12	8/9/12	5/8/12
Static Water Level (ft)				-	-	-	-	-	-	-	-	-	-	-	-
Sample Depth (ft)				-	-	-	-	-	-	-	-	-	-	-	-
Conductivity (µS/cm)				316.00	383.00	365.00	235.00	-	-	-	-	-	-	-	-
Water Temperature (C°)				7.25	10.90	10.7	10.78	-	-	-	-	-	-	-	-
pH				7.64	-	-	7.61	-	-	-	-	-	-	-	-
Analytes	Washington Drinking Water Standards														
	MCL ¹	Trigger Level ²	Secondary												
Phosphorus	-	-	-	0.004	0.007	0.003	0.003	0.003	<0.002	<0.002	<0.002	<0.002	-	0.002	<0.002
SRP ³	-	-	-	0.004	0.005	0.002	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	-	0.001	<0.001
Nitrate+Nitrite	10	5	-	3.04	2.98	3.36	3.50	<0.05	<0.05	<0.05	<0.05	-	<0.05	<0.05	-
Arsenic	0.01	0.005	-	-	-	0.00230	-	-	<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	0.00226	-	-	<0.00100	0.00132	-
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	8.88	9.92	12.60	13.60	<0.20	<0.20	<0.20	<0.20	-	<0.20	<0.20	-
Sodium	-	-	-	-	-	5.67	-	-	-	<0.50	-	-	-	<0.50	-
Zinc	-	5	5	-	-	<0.00500	-	-	0.01	0.01	-	-	<0.00500	<0.00500	-
Magnesium	-	-	-	-	-	21.30	-	-	-	<0.06	-	-	-	<0.06	-
Potassium	-	-	-	-	-	2.48	-	-	-	<0.50	-	-	-	<0.50	-
Manganese	-	0.05	0.05	-	-	<0.00100	-	-	-	<0.00100	-	-	-	<0.00100	-
Calcium	-	-	-	-	-	35.90	-	-	-	0.07	-	-	-	0.29	-

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.