

Spokane County Water Resources - Spokane Valley Rathdrum Prairie Aquifer Monitoring  
2011 Quarterly Results

Well Name		NE Community Center, City monitoring well		Trinity School, Adams & Carlisle, City monitoring well		Denver & Marietta, City monitoring well					
WQMP Well ID		5304G01		5307M01		5308H01					
SampleID/Comment		5304G01	5304GO1	5307M01	5307MO1	5308H01	5308HO1	5308HO1	5308H01		
Quarter		1	3	1	3	1	2	3	4		
Sample Date		2011	2011	2011	2011	2011	2011	2011	2011		
Static Water Level (ft)		173.83	177.34	125.52	134.83	79.20	79.18	84.48	84.34		
Sample Depth (ft)		182	182	148	148	86	86	86	86		
Conductivity (µS/cm)		290.00	278.00	264.00	255.00	214.00	170.00	188.00	215.00		
Water Temperature (C°)		12.88	10.89	12.40	11.33	12.11	9.12	10.14	11.67		
pH		7.97	7.90	7.99	7.90	7.15	-	7.67	7.50		
Analytes	Washington Drinking Water Standards										
	MCL <sup>1</sup>	Trigger Level <sup>2</sup>	Secondary								
Phosphorus	-	-	-	0.003	0.012	0.003	0.004	0.003	0.004	0.004	0.004
SRP <sup>3</sup>	-	-	-	0.003	0.008	0.002	0.003	0.003	0.003	0.003	0.004
Nitrate+Nitrite	10	5	-	1.33	1.39	1.35	1.17	1.00	0.72	0.87	1.17
Arsenic	0.01	0.005	-	0.00178	0.00240	0.00190	0.00230	0.00177	-	0.00230	-
Lead <sup>4</sup>	0.015	-	-	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	-	<0.00100	-
Copper <sup>4</sup>	1.3	-	-	<0.00100	0.00155	<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	-	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	-	<0.000200	-
Chromium	0.1	0.02	-	<0.00150	0.00183	<0.00150	<0.00150	<0.00150	-	<0.00150	-
Fluoride	4	0.5	2	0.212	0.150	<0.100	0.110	<0.100	-	0.120	-
Chloride	-	250	250	6.57	5.55	5.92	6.35	5.04	4.27	4.54	6.25
Sodium	-	-	-	4.51	4.33	3.80	3.52	2.85	-	2.90	-
Zinc	-	5	5	<0.00500	0.02	<0.00500	<0.00500	<0.00500	-	<0.00500	-
Magnesium	-	-	-	14.30	12.10	10.70	10.10	8.72	-	7.23	-
Potassium	-	-	-	1.98	2.00	1.85	1.67	1.60	-	1.33	-
Iron	-	0.1	0.3	<0.060	-	<0.060	-	<0.060	-	-	-
Manganese	-	0.05	0.05	<0.00100	0.00166	<0.00100	<0.00100	<0.00100	-	<0.00100	-
Sulfate	-	-	250	12.00	-	10.70	-	8.45	-	-	-
Calcium	-	-	-	31.20	30.40	30.70	30.00	24.20	-	21.00	-
Carbonate	-	-	-	<1.0	-	<1.0	-	<1.0	-	-	-
Bicarbonate	-	-	-	132	-	116	-	91.9	-	-	-
TDS	-	-	500	142	-	137	-	106	-	-	-

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  
2011 Quarterly Results

Well Name		monitoring well at SCC									Hale's Ale Nested Site, east					
WQMP Well ID		5310Q01									5311J05					
SampleID/Comment		5310Q01	5310Q01a	5310Q01	5310Q01a	5310Q01	5310Q01a	5310Q01	5310Q01a	5311J05	5311J05	5311J05	5311J05			
Quarter		1	1	2	2	3	3	4	4	1	2	3	4			
Sample Date		2011	2011	2011	2011	2011	2011	2011	2011	2011	2011	2011	2011			
Static Water Level (ft)		33.07	-	30.25	-	38.70	-	38.46	-	60.23	57.71	66.16	65.81			
Sample Depth (ft)		41	-	41	-	41	-	41	-	62.8	63	67.5	67			
Conductivity (µS/cm)		233.00	-	227.00	-	229.00	-	188	-	336.00	309.00	344.00	302.00			
Water Temperature (C°)		11.70	-	11.37	-	10.92	-	11.24	-	9.83	9.62	9.88	8.50			
pH		7.73	-	7.56	-	7.99	-	7.95	-	7.36	7.61	7.78	7.66			
Analytes	Washington Drinking Water Standards															
	MCL <sup>1</sup>	Trigger Level <sup>2</sup>	Secondary													
Phosphorus	-	-	-	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.005	0.005	0.008	0.004	
SRP <sup>3</sup>	-	-	-	0.002	0.002	0.003	0.003	0.003	0.002	0.004	0.003	0.003	0.004	0.004	0.004	
Nitrate+Nitrite	10	5	-	1.15	1.17	1.32	1.30	0.98	1.01	0.92	0.91	2.03	1.81	1.63	1.60	
Arsenic	0.01	0.005	-	0.00173	0.00268	-	-	0.00250	0.00250	-	-	0.00240	-	0.00110	-	
Lead <sup>4</sup>	0.015	-	-	<0.00100	<0.00100	-	-	<0.00100	<0.00100	-	-	<0.00100	-	<0.00100	-	
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	-	<0.000200	<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	-	
Fluoride	4	0.5	2	<0.100	<0.100	-	-	0.100	0.100	-	-	<0.100	-	0.130	-	
Chloride	-	250	250	4.39	4.38	8.76	8.73	5.00	5.00	3.74	3.68	5.95	6.51	7.31	6.42	
Sodium	-	-	-	2.71	2.74	-	-	3.31	3.32	-	-	4.26	-	4.46	-	
Zinc	-	5	5	<0.00500	<0.00500	-	-	<0.00500	<0.00500	-	-	<0.00500	-	<0.00500	-	
Magnesium	-	-	-	9.53	9.42	-	-	9.02	9.04	-	-	16.80	-	16.40	-	
Potassium	-	-	-	1.64	1.68	-	-	1.58	1.58	-	-	2.13	-	2.16	-	
Iron	-	0.1	0.3	0.110	0.129	-	-	-	-	-	-	<0.060	-	-	-	
Manganese	-	0.05	0.05	0.00743	0.01140	-	-	0.00272	<0.00100	-	-	<0.00100	-	<0.00100	-	
Sulfate	-	-	250	9.13	9.13	-	-	-	-	-	-	14.60	-	-	-	
Calcium	-	-	-	27.30	27.10	-	-	27.10	27.40	-	-	36.90	-	38.60	-	
Carbonate	-	-	-	<1.0	<1.0	-	-	-	-	-	-	<1.0	-	-	-	
Bicarbonate	-	-	-	102	103	-	-	-	-	-	-	152	-	-	-	
TDS	-	-	500	118	119	-	-	-	-	-	-	189	-	-	-	

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  
2011 Quarterly Results

Well Name		Hale's Ale Nested Site, mid		Felts Field City monitoring well			Olive & Fiske monitoring well				Third & Havana Nested Site, east					
WQMP Well ID		5311J07		5312C01			5315L01				5322A01					
SampleID/Comment		5311J07	5311J07	5312C01	5312C01	5312C01	5315L01	5315L01	5315L01	5315L01	5322A01	5322A01	5322A01	5322A01		
Quarter		1	3	1	2	3	1	2	3	4	1	2	3	4		
Sample Date		2011	2011	2011	2011	2011	2011	2011	2011	2011	2011	2011	2011	2011	2011	
Static Water Level (ft)		60.27	66.21	56.36	54.99	61.13	62.81	61.22	68.09	68.20	44.78	43.48	50.41	50.62		
Sample Depth (ft)		105.1	105.5	68	68	68	68	68	69	69.5	47	47.5	51.5	51.5		
Conductivity (µS/cm)		333.00	343.00	227.00	181.00	192.00	261.00	233.00	242.00	205.00	284.00	250.00	275.00	239.00		
Water Temperature (C°)		9.43	8.93	10.87	12.70	12.88	11.59	11.97	10.91	9.82	11.20	11.57	11.33	10.39		
pH		7.54	7.74	7.61	-	8.13	7.70	7.63	7.99	7.87	7.56	-	7.84	7.67		
Analytes	Washington Drinking Water Standards															
	MCL <sup>1</sup>	Trigger Level <sup>2</sup>	Secondary													
Phosphorus	-	-	-	0.004	0.007	0.028	-	0.021	0.005	0.005	0.005	0.004	0.012	0.013	0.010	0.011
SRP <sup>3</sup>	-	-	-	0.002	0.004	0.013	-	0.016	0.004	0.005	0.003	0.004	0.011	0.012	0.008	0.010
Nitrate+Nitrite	10	5	-	1.78	1.78	1.30	-	1.00	1.30	1.15	0.97	0.99	1.79	1.58	1.40	1.47
Arsenic	0.01	0.005	-	0.00209	0.00110	0.00483	0.00740	0.00290	0.00169	-	0.00230	-	0.00225	-	0.00230	-
Lead <sup>4</sup>	0.015	-	-	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	-	<0.00100	-	<0.00100	-	<0.00100	-
Copper <sup>4</sup>	1.3	-	-	<0.00100	<0.00100	0.00291	0.00126	<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	-
Cadmium	0.005	0.005	-	<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	-	<0.00150	-	<0.00150	-	<0.00150	-
Fluoride	4	0.5	2	<0.100	0.130	<0.100	-	0.110	<0.100	-	0.110	-	<0.100	-	0.110	-
Chloride	-	250	250	5.61	7.04	2.80	-	3.45	9.34	9.44	6.41	3.92	9.99	7.58	6.65	6.02
Sodium	-	-	-	4.05	4.43	3.34	-	2.98	3.34	-	3.09	-	5.56	-	4.21	-
Zinc	-	5	5	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	-	<0.00500	-	0.01	-	<0.00500	-
Magnesium	-	-	-	16.50	17.00	8.00	-	6.16	10.60	-	9.38	-	10.80	-	10.20	-
Potassium	-	-	-	2.08	2.15	1.56	-	1.41	1.79	-	1.63	-	2.01	-	1.85	-
Iron	-	0.1	0.3	<0.060	-	<0.060	-	-	<0.060	-	-	-	<0.060	-	-	-
Manganese	-	0.05	0.05	<0.00100	<0.00100	<0.00100	-	<0.00100	<0.00100	-	<0.00100	-	<0.00100	-	<0.00100	-
Sulfate	-	-	250	14.60	-	9.62	-	-	10.20	-	-	-	10.10	-	-	-
Calcium	-	-	-	35.70	38.80	29.20	-	23.70	30.00	-	27.30	-	33.40	-	32.00	-
Carbonate	-	-	-	<1.0	-	<1.0	-	-	<1.0	-	-	-	<1.0	-	-	-
Bicarbonate	-	-	-	148	-	102	-	-	106	-	-	-	117	-	-	-
TDS	-	-	500	166	-	152	-	-	132	-	-	-	148	-	-	-

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  
2011 Quarterly Results

Well Name		Third & Havana Nested Site, mid		Plantas Ferry Park monitoring well		monitoring well Frederick & Bowdish		Sullivan Park South, monitoring well									
WQMP Well ID		5322A03		5404A01		5409C02		5411R03									
SampleID/Comment		5322A03	5322A03	5404A01	5404A01	5409C02	5409C02	5411R03	5411R03a	5411R03	5411R03a	5411R03	5411R03a	5411R03	5411R03a		
Quarter		1	3	1	3	1	3	1	1	2	2	3	3	4	4		
Sample Date		2011	2011	2011	2011	2011	2011	2011	2011	2011	2011	2011	2011	2011	2011		
Static Water Level (ft)		44.72	50.37	44.75	46.49	86.45	89.69	26.41	-	23.51	-	33.00	-	32.35	-		
Sample Depth (ft)		90	90	109	104.5	87.5	91	27.5	-	27.3	-	34	-	33.5	-		
Conductivity (µS/cm)		284.00	279.00	311.00	313.00	295.00	287.00	238.00	-	217.00	-	274.00	-	244.00	-		
Water Temperature (C°)		11.59	10.82	10.75	10.87	10.79	8.78	8.53	-	9.87	-	10.41	-	8.24	-		
pH		8.41	7.97	6.85	6.63	7.39	7.70	7.31	-	6.36	-	7.80	-	7.71	-		
Analytes	Washington Drinking Water Standards																
	MCL <sup>1</sup>	Trigger Level <sup>2</sup>	Secondary														
Phosphorus	-	-	-	0.007	0.011	0.283	0.231	0.005	0.012	0.003	0.003	0.004	0.004	0.007	0.006	0.005	0.003
SRP <sup>3</sup>	-	-	-	0.007	0.007	0.044	0.052	0.004	0.006	-	0.003	0.004	0.004	0.004	0.004	0.004	0.003
Nitrate+Nitrite	10	5	-	1.68	1.67	<0.05	<0.05	1.85	1.45	1.150	1.180	0.965	0.931	1.190	1.090	1.44	1.39
Arsenic	0.01	0.005	-	0.00191	0.00240	<0.001	<0.001	0.00321	0.00440	0.00228	0.00230	-	-	0.00280	0.00240	-	-
Lead <sup>4</sup>	0.015	-	-	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	-	-	<0.00100	<0.00100	-	-
Copper <sup>4</sup>	1.3	-	-	<0.00100	<0.00100	<0.00100	<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	-	-
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	-	-
Chromium	0.1	0.02	-	<0.00150	<0.00150	<0.00150	<0.00150	<0.00150	<0.00150	<0.00150	<0.00150	-	-	<0.00150	<0.00150	-	-
Fluoride	4	0.5	2	<0.100	0.110	0.392	0.320	<0.100	0.130	<0.100	<0.100	-	-	0.130	0.120	-	-
Chloride	-	250	250	10.20	7.11	2.17	2.42	3.92	3.64	3.08	3.10	2.74	2.98	2.74	2.74	2.33	2.40
Sodium	-	-	-	5.12	4.51	11.10	10.40	3.88	3.57	3.29	3.38	-	-	3.16	3.23	-	-
Zinc	-	5	5	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	-	-	<0.00500	<0.00500	-	-
Magnesium	-	-	-	11.00	10.60	13.90	12.90	13.40	12.40	11.70	12.00	-	-	12.40	12.60	-	-
Potassium	-	-	-	1.96	1.91	5.40	5.45	1.98	1.81	1.60	1.67	-	-	1.77	1.80	-	-
Iron	-	0.1	0.3	<0.060	-	5.940	-	0.241	-	<0.060	<0.060	-	-	-	-	-	-
Manganese	-	0.05	0.05	<0.00100	<0.00100	0.34500	0.36400	0.00953	0.01150	<0.00100	<0.00100	-	-	<0.00100	<0.00100	-	-
Sulfate	-	-	250	9.79	-	22.10	-	11.40	-	11.50	11.50	-	-	-	-	-	-
Calcium	-	-	-	32.90	32.80	26.70	26.90	35.10	35.10	27.00	27.90	-	-	30.30	30.80	-	-
Carbonate	-	-	-	<1.0	-	<1.0	-	<1.0	-	<1.0	<1.0	-	-	-	-	-	-
Bicarbonate	-	-	-	117	-	136	-	134	-	106	108	-	-	-	-	-	-
TDS	-	-	500	146	-	219	-	166	-	130	137	-	-	-	-	-	-

All results reported in mg/l (ppm)

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3 Soluble Reactive Phosphorus

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Spokane County Water Resources - Spokane Valley Rathdrum Prairie Aquifer Monitoring  
2011 Quarterly Results

Well Name		Sullivan Road and Centennial Trail, monitoring well				Trent & Barker Road, monitoring well				Euclid & Barker monitoring well at CID5						
WQMP Well ID		5411R04				5505D01				5507A04						
SampleID/Comment		5411R04	5411R04	5411R04	5411R04	5505D01	5505D01	5505D01	5505D01	5507A04	5507A04	5507A04a	5507A04	5507A04		
Quarter		1	2	3	4	1	2	3	4	1	2	2	3	4		
Sample Date		2011	2011	2011	2011	2011	2011	2011	2011	2011	2011	2011	2011	2011		
Static Water Level (ft)		48.31	45.97	53.68	53.81	86.94	86.05	89.06	90.62	63.98	62.98	-	66.45	67.95		
Sample Depth (ft)		49.5	48	55	55	88	87.5	90	91.5	65	69.5	-	70	69		
Conductivity (µS/cm)		167.00	176.00	235.00	232.00	378.00	352.00	300.00	304.00	367.00	328.00	-	362.00	326.00		
Water Temperature (C°)		8.10	9.23	9.65	8.28	10.13	10.45	10.57	8.53	9.58	9.31	-	9.67	7.25		
pH		7.57	6.51	7.75	7.66	7.28	-	7.79	7.62	7.24	-	-	7.70	7.46		
Analytes	Washington Drinking Water Standards															
	MCL <sup>1</sup>	Trigger Level <sup>2</sup>	Secondary													
Phosphorus	-	-	-	0.003	0.006	0.009	0.004	0.011	0.012	0.013	0.011	0.004	0.002	0.002	0.005	0.002
SRP <sup>3</sup>	-	-	-	0.002	0.004	0.004	0.004	0.011	0.012	0.011	0.010	0.001	0.002	0.001	0.002	0.002
Nitrate+Nitrite	10	5	-	0.798	0.792	1.01	1.14	3.64	3.68	1.45	2.35	1.56	1.63	1.60	1.59	1.68
Arsenic	0.01	0.005	-	0.00172	-	0.00180	-	0.00384	-	0.00520	-	0.00152	0.00220	0.00210	0.002	-
Lead <sup>4</sup>	0.015	-	-	<0.00100	-	<0.00100	-	<0.00100	-	<0.00100	-	<0.00100	<0.00100	<0.00100	<0.00100	-
Copper <sup>4</sup>	1.3	-	-	<0.00100	-	<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	-
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	-
Fluoride	4	0.5	2	<0.100	-	0.120	-	<0.100	-	0.130	-	<0.100	-	-	0.100	-
Chloride	-	250	250	2.30	2.51	2.48	2.31	5.66	6.85	5.54	6.01	2.20	2.34	2.32	2.20	2.37
Sodium	-	-	-	2.08	-	2.45	-	6.36	-	5.26	-	3.10	-	-	3.05	-
Zinc	-	5	5	<0.00500	-	<0.00500	-	<0.00500	-	<0.00500	-	<0.00500	<0.00500	<0.00500	<0.00500	-
Magnesium	-	-	-	8.37	-	11.10	-	14.70	-	11.20	-	18.60	-	-	18.20	-
Potassium	-	-	-	1.34	-	1.59	-	2.80	-	2.21	-	2.25	-	-	2.18	-
Iron	-	0.1	0.3	<0.060	-	-	-	<0.060	-	-	-	<0.060	-	-	-	-
Manganese	-	0.05	0.05	<0.00100	-	<0.00100	-	<0.00100	-	<0.00100	-	<0.00100	-	-	<0.00100	-
Sulfate	-	-	250	8.27	-	-	-	12.30	-	-	-	16.60	-	-	-	-
Calcium	-	-	-	18.70	-	26.80	-	47.60	-	39.40	-	42.30	-	-	44.10	-
Carbonate	-	-	-	<1.0	-	-	-	<1.0	-	-	-	<1.0	-	-	-	-
Bicarbonate	-	-	-	74	-	-	-	167	-	-	-	175	-	-	-	-
TDS	-	-	500	105	-	-	-	212	-	-	-	179	-	-	-	-

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  
2011 Quarterly Results

Well Name		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		5507H01			5508M01			5508M02			5517D05				
SampleID/Comment		5507H01	5507H01	5507H01	5508M01	5508M01	5508M01	5508M02	5508M02	5508M02	5517D05	5517D05	5517D05		
Quarter		1	2	3	1	2	3	1	2	3	1	2	3		
Sample Date		2011	2011	2011	2011	2011	2011	2011	2011	2011	2011	2011	2011		
Static Water Level (ft)		42.48	41.39	45.06	60.90	59.86	63.62	61.81	60.80	64.42	78.45	77.49	81.10		
Sample Depth (ft)		43.5	43	46	62	64.1	65	63	63.5	66	79.5	85.2	85		
Conductivity (µS/cm)		61.00	60.00	53.00	54.00	48.00	52.00	57	52.00	55.00	121.00	102.00	109.00		
Water Temperature (C°)		4.43	5.74	18.74	6.48	5.35	14.40	7.37	5.90	13.74	12.89	8.85	11.34		
pH		6.90	-	6.56	6.74	-	6.57	6.84	-	6.67	7.09	-	7.31		
Analytes	Washington Drinking Water Standards														
	MCL <sup>1</sup>	Trigger Level <sup>2</sup>	Secondary												
Phosphorus	-	-	-	0.011	-	0.025	0.007	-	0.013	0.006	-	0.012	0.004	-	0.006
SRP <sup>3</sup>	-	-	-	0.011	-	0.019	0.006	-	0.010	0.006	-	0.011	0.003	-	0.003
Nitrate+Nitrite	10	5	-	0.224	-	0.168	0.145	-	0.229	0.171	-	0.191	0.932	-	0.430
Arsenic	0.01	0.005	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.00140	<0.001
Lead <sup>4</sup>	0.015	-	-	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Copper <sup>4</sup>	1.3	-	-	<0.00100	<0.00100	0.00133	<0.00100	<0.00100	<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	<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	<0.000200
Chromium	0.1	0.02	-	<0.00150	-	0.0186	<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	2.44	-	0.86	1.43	-	0.86	1.58	-	0.83	2.10	-	1.65
Sodium	-	-	-	2.08	-	1.85	1.69	-	1.81	1.66	-	1.85	2.27	-	1.84
Zinc	-	5	5	<0.00500	<0.00500	0.00640	0.03110	0.03020	0.02510	0.01180	0.00930	0.00690	<0.00500	<0.00500	<0.00500
Magnesium	-	-	-	1.91	-	1.56	1.74	-	1.51	1.78	-	1.50	4.65	-	4.11
Potassium	-	-	-	0.73	-	0.95	0.67	-	0.78	0.72	-	0.77	1.34	-	1.08
Iron	-	0.1	0.3	<0.060	-	-	<0.060	-	-	<0.060	-	-	<0.060	-	-
Manganese	-	0.05	0.05	<0.00100	-	0.00508	<0.00100	-	<0.00100	<0.00100	-	<0.00100	<0.00100	-	<0.00100
Sulfate	-	-	250	4.99	-	-	4.47	-	-	4.47	-	-	5.79	-	-
Calcium	-	-	-	6.37	-	5.48	5.73	-	5.56	6.06	-	5.72	13.50	-	12.50
Carbonate	-	-	-	<1.0	-	-	<1.0	-	-	<1.0	-	-	<1.0	-	-
Bicarbonate	-	-	-	18.9	-	-	20.2	-	-	20.8	-	-	49.8	-	-
TDS	-	-	500	37	-	-	34	-	-	39	-	-	76	-	-

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  
2011 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	6327N04a	6327N04	6327N04	6327N04a	6327N04	6330J01	6330J01	6331J01	6331J01	6436N01	6436N01	6436N01	6436N01		
Quarter		1	1	2	3	3	4	1	3	1	3	1	2	3	4		
Sample Date		2011	2011	2011	2011	2011	2011	2011	2011	2011	2011	2011	2011	2011	2011	2011	
Static Water Level (ft)		185.46	-	183.71	184.91	-	188.23	207.70	207.31	201.75	203.81	108.64	107.94	113.36	114.31		
Sample Depth (ft)		187	-	186	187	-	189.5	209	209	208.5	208.5	110	109	114.5	115.5		
Conductivity (µS/cm)		364.00	-	322.00	431.00	-	368.00	278.00	266.00	244.00	287.00	460.00	425.00	459.00	493.00		
Water Temperature (C°)		12.87	-	12.00	10.65	-	12.48	13.59	10.86	13.61	11.09	12.43	11.87	11.25	10.87		
pH		7.65	-	7.42	7.74	-	7.62	8.00	7.98	7.86	8.01	7.11	7.03	7.54	7.18		
Analytes	Washington Drinking Water Standards																
	MCL <sup>1</sup>	Trigger Level <sup>2</sup>	Secondary														
Phosphorus	-	-	-	0.003	0.003	0.003	0.004	0.004	0	0.002	0.007	0.005	0.005	0.062	0.059	0.064	0.049
SRP <sup>3</sup>	-	-	-	0.002	0.002	0.002	0.002	0.002	0.003	0.002	0.003	0.004	0.005	0.049	0.057	0.052	0.043
Nitrate+Nitrite	10	5	-	2.29	2.35	2.04	3.54	3.99	2.60	1.14	1.00	0.95	1.21	5.24	4.75	3.53	3.12
Arsenic	0.01	0.005	-	0.00126	0.00114	-	0.00110	0.00120	-	0.00264	0.00330	0.00261	0.00270	0.00238	-	0.00260	-
Lead <sup>4</sup>	0.015	-	-	<0.00100	<0.00100	-	<0.00100	<0.00100	-	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	-	<0.00100	-
Copper <sup>4</sup>	1.3	-	-	<0.00100	<0.00100	-	<0.00100	<0.00100	-	<0.00100	0.00175	<0.00100	<0.00100	0.00127	-	0.00156	-
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	-
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	-
Chromium	0.1	0.02	-	<0.00150	<0.00150	-	<0.00150	<0.00150	-	<0.00150	<0.00150	<0.00150	<0.00150	0.00237	-	0.00206	-
Fluoride	4	0.5	2	<0.100	0.307	-	0.140	0.130	-	0.291	0.100	<0.100	0.100	0.119	-	0.180	-
Chloride	-	250	250	11.10	9.51	8.24	14.10	13.40	15.10	4.46	3.56	3.75	9.26	10.20	10.90	12.00	6.37
Sodium	-	-	-	8.41	8.72	-	8.40	8.65	-	3.45	3.18	2.79	3.53	9.75	-	10.40	-
Zinc	-	5	5	<0.00500	<0.00500	-	<0.00500	<0.00500	-	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	-	<0.00500	-
Magnesium	-	-	-	21.10	21.40	-	25.90	27.00	-	15.50	13.60	12.80	13.60	21.40	-	20.10	-
Potassium	-	-	-	3.17	3.28	-	3.71	3.83	-	1.91	1.72	1.71	1.76	3.61	-	3.31	-
Iron	-	0.1	0.3	<0.060	<0.060	-	-	-	-	<0.060	-	<0.060	-	0.454	-	-	-
Manganese	-	0.05	0.05	<0.00100	<0.00100	-	<0.00100	<0.00100	-	<0.00100	<0.00100	<0.00100	<0.00100	0.00759	-	0.00826	-
Sulfate	-	-	250	17.00	16.90	-	-	-	-	12.80	-	11.20	-	17.50	-	-	-
Calcium	-	-	-	31.80	32.80	-	37.30	39.30	-	28.50	29.00	25.70	26.50	52.90	-	50.90	-
Carbonate	-	-	-	<1.0	<1.0	-	-	-	-	<1.0	-	<1.0	-	<1.0	-	-	-
Bicarbonate	-	-	-	149	148	-	-	-	-	125	-	110	-	196	-	-	-
TDS	-	-	500	175	174	-	-	-	-	153	-	128	-	272	-	-	-

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  
2011 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				
WQMP Well ID		6524R01						6525R01				6631M07				
SampleID/Comment		6524R01	6524R01A duplicate	6524R01	6524R01	6524R01A duplicate	6524R01	6525R01	6525R01	6625R01	6525R01	6631M07	6631M07	6631M07		
Quarter		1	1	2	3	3	4	1	2	3	4	1	2	3		
Sample Date		2011	2011	2011	2011	2011	2011	2011	2011	2011	2011	2011	2011	2011		
Static Water Level (ft)		121.15	-	118.48	119.24	-	121.15	99.55	97.25	97.55	99.40	110.44	108.36	108.67		
Sample Depth (ft)		122	-	119.5	120	-	122.5	100.5	98.5	99	100.5	111.5	112	112		
Conductivity (µS/cm)		317.00	-	294.00	313.00	-	244.00	314.00	289.00	321.00	286.00	279.00	251.00	279.00		
Water Temperature (C°)		10.15	-	9.70	9.77	-	8.40	9.41	9.48	9.64	7.90	13.29	12.97	13.17		
pH		7.09	-	7.13	7.91	-	7.69	6.88	6.49	7.74	7.63	-	6.90	7.79		
Analytes	Washington Drinking Water Standards															
	MCL <sup>1</sup>	Trigger Level <sup>2</sup>	Secondary													
Phosphorus	-	-	-	0.010	0.012	0.005	0.013	0.011	0.011	0.002	0.003	0.005	0.003	0.004	0.007	0.006
SRP <sup>3</sup>	-	-	-	0.002	0.003	0.003	0.003	0.003	0.003	0.001	0.002	0.003	0.002	0.004	0.006	0.004
Nitrate+Nitrite	10	5	-	2.78	2.75	2.45	1.47	1.43	1.47	1.04	1.100	1.040	1.200	1.60	1.57	1.30
Arsenic	0.01	0.005	-	0.00485	0.00591	-	0.00390	0.00350	-	0.00173	-	0.00260	-	0.00482	-	0.00450
Lead <sup>4</sup>	0.015	-	-	0.00139	0.00184	-	<0.00100	<0.00100	-	<0.00100	-	<0.00100	-	<0.00100	-	<0.00100
Copper <sup>4</sup>	1.3	-	-	0.00234	0.00319	-	<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
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	-	0.00431	0.00499	-	0.0015	<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	-	0.120	-	<0.100	-	0.100
Chloride	-	250	250	2.91	2.92	3.59	2.36	2.32	3.35	1.81	1.89	1.65	1.92	3.72	3.58	3.50
Sodium	-	-	-	3.33	3.56	-	2.87	2.81	-	3.12	-	2.81	-	2.85	-	2.80
Zinc	-	5	5	<0.00500	0.01	-	<0.00500	<0.00500	-	<0.00500	-	<0.00500	-	<0.00500	-	<0.00500
Magnesium	-	-	-	16.20	16.60	-	14.90	14.60	-	17.50	-	17.00	-	13.90	-	13.90
Potassium	-	-	-	2.48	2.80	-	2.13	2.08	-	2.13	-	1.93	-	2.24	-	2.24
Iron	-	0.1	0.3	1.770	2.500	-	-	-	-	<0.060	-	-	-	<0.060	-	-
Manganese	-	0.05	0.05	0.02680	0.03600	-	0.00549	0.00528	-	<0.00100	-	<0.00100	-	<0.00100	-	<0.00100
Sulfate	-	-	250	10.70	10.70	-	-	-	-	16.10	-	-	-	11.10	-	-
Calcium	-	-	-	36.60	37.60	-	38.80	38.30	-	34.60	-	36.50	-	30.60	-	32.40
Carbonate	-	-	-	<1.0	<1.0	-	-	-	-	<1.0	-	-	-	<1.0	-	-
Bicarbonate	-	-	-	146	148	-	-	-	-	148	-	-	-	127	-	-
TDS	-	-	500	179	181	-	-	-	-	174	-	-	-	154	-	-

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  
2011 Quarterly Results

Well Name		Well at CID11	I.E. COLD STORAGE		CITY of SPOKANE-Nevada		ORCHARD AVE IRRIG DIST, Site 1			CITY of SPOKANE-Ray					
WQMP Well ID			5213B01		5308A02		5312H01			5322F01					
SampleID/Comment		6631M07	5213B01	5213B01	5308A02	5308A02	5312H01	5312H01	5312H01	5322F01	5322F01	5322F01	5322F01 south		
Quarter		4	1	3	1	3	1	2	3	1	2	3	4		
Sample Date		2011	2011	2011	2011	2011	2011	2011	2011	2011	2011	2011	2011		
Static Water Level (ft)		110.46	-	-	-	-	-	-	-	-	-	-	-		
Sample Depth (ft)		111.5	-	-	-	-	-	-	-	-	-	-	-		
Conductivity (µS/cm)		235.00	355.00	315.00	250.00	196.00	304.00	308.00	301.00	440	380	213	450		
Water Temperature (C°)		11.26	11.00	11.33	11.29	10.62	8.94	8.22	7.77	10.87	11.05	11.38	9.4		
pH		7.71	6.15	7.65	7.26	7.98	-	7.79	7.76	7.01	-	7.52	7		
Analytes	Washington Drinking Water Standards														
	MCL <sup>1</sup>	Trigger Level <sup>2</sup>	Secondary												
Phosphorus	-	-	-	0.004	0.008	0.008	0.003	0.004	0.023	0.019	0.017	0.0223017	0.0228922	0.0206899	0.026
SRP <sup>3</sup>	-	-	-	0.004	0.006	0.007	0.002	0.004	0.022	0.018	0.016	0.0191204	0.0225482	0.0182318	0.020
Nitrate+Nitrite	10	5	-	1.35	2.14	1.80	1.07	1.05	2.17	2.58	1.80	3.47	3.17	2.74	3.25
Arsenic	0.01	0.005	-	-	0.00270	0.00230	0.00248	0.00260	0.00600	0.00490	-	0.00401	-	0.0042	-
Lead <sup>4</sup>	0.015	-	-	-	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	-	<0.00100	-	<0.00100	-
Copper <sup>4</sup>	1.3	-	-	-	0.00136	0.00125	0.00106	0.00127	<0.00100	<0.00100	-	0.00391	-	0.00105	-
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	-
Fluoride	4	0.5	2	-	<0.100	0.120	<0.100	0.100	-	0.100	-	<0.100	-	0.120	-
Chloride	-	250	250	3.74	19.70	22.40	5.37	4.95	5.54	5.64	4.21	15.7	15.9	13.5	16.3
Sodium	-	-	-	-	11.00	7.59	3.32	2.61	-	4.14	-	9.29	-	7	-
Zinc	-	5	5	-	<0.00500	<0.00500	<0.00500	<0.00500	0.01	0.01	-	<0.00500	-	0.00920	-
Magnesium	-	-	-	-	12.20	10.50	9.92	7.93	-	13.70	-	16.3	-	13.5	-
Potassium	-	-	-	-	2.66	2.26	1.80	1.44	-	2.14	-	2.94	-	2.5	-
Iron	-	0.1	0.3	-	<0.060	-	<0.060	-	-	-	-	<0.060	-	-	-
Manganese	-	0.05	0.05	-	<0.00100	<0.00100	<0.00100	<0.00100	-	<0.00100	-	<0.00100	-	<0.00100	-
Sulfate	-	-	250	-	13.80	-	8.46	-	-	-	-	15.00	-	-	-
Calcium	-	-	-	-	37.90	31.60	30.00	22.30	-	37.20	-	52	-	41.7	-
Carbonate	-	-	-	-	<1.0	-	<1.0	-	-	-	-	<1.0	-	-	-
Bicarbonate	-	-	-	-	126	-	107	-	-	-	-	173	-	-	-
TDS	-	-	500	-	191	-	132	-	-	-	-	243	-	-	-

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  
2011 Quarterly Results

Well Name		E. SPKN WD, Site 1				PASADENA PARK #2				Orchard Ave Irrig Dist Site 2	MODERN ELECT WATER, Site 6		Mission Well, LIBERTY LAKE SEWER DIST			
WQMP Well ID		5324G01				5405K01				5407C01	5408N01		5515C01			
SampleID/Comment		5324G01	5324G01	5324G01	5324G01	5405K01	5405K01	5405K01	5405K01	5407C01	5408N01 #2	5408N01	5515C01	5515C01		
Quarter		1	2	3	4	1	2	3	4	1	1	3	1	3		
Sample Date		2011	2011	2011	2011	2011	2011	2011	2011	2011	2011	2011	2011	2011		
Static Water Level (ft)		-	-	-	-	-	-	-	-	-	-	-	-	-		
Sample Depth (ft)		-	-	-	-	-	-	-	-	-	-	-	-	-		
Conductivity (µS/cm)		470	435.00	437.00	485.00	215.00	254.00	135.00	205.00	316.00	271.00	251.00	309.00	172.00		
Water Temperature (C°)		10.49	9.76	9.44	8.43	10.24	10.15	7.62	6.99	14.77	9.28	8.95	11.55	7.61		
pH		7.21	7.50	7.50	6.92	7.33	6.16	-	7.37	7.69	7.48	-	7.55	8.01		
Analytes	Washington Drinking Water Standards															
	MCL <sup>1</sup>	Trigger Level <sup>2</sup>	Secondary													
Phosphorus	-	-	-	0.018	0.021	0.021	0.022	0.006	0.004	0.007	0.008	0.011	0.004	0.005	0.010	0.012
SRP <sup>3</sup>	-	-	-	0.017	0.020	0.019	0.020	0.006	0.004	0.006	0.007	0.010	0.003	0.002	0.009	0.010
Nitrate+Nitrite	10	5	-	3.71	3.79	4.35	3.53	1.68	3.58	2.05	0.908	1.50	1.35	1.30	1.07	0.86
Arsenic	0.01	0.005	-	0.00500	-	0.00440	-	<0.001	-	0.001	-	0.00414	0.00345	0.003	0.003	0.00370
Lead <sup>4</sup>	0.015	-	-	<0.00100	-	<0.00100	-	<0.00100	-	<0.00100	-	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Copper <sup>4</sup>	1.3	-	-	0.00124	-	0.00425	-	0.00173	-	0.00169	-	0.00233	<0.00100	0.00130	0.00200	0.00119
Mercury	0.002	0.0004	-	<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
Chromium	0.1	0.02	-	<0.00150	-	<0.00150	-	<0.00150	-	0.00192	-	<0.00150	<0.00150	<0.00150	<0.00150	<0.00150
Fluoride	4	0.5	2	<0.100	-	0.110	-	<0.100	-	0.100	-	<0.100	<0.100	0.100	<0.100	0.130
Chloride	-	250	250	13.90	17.20	16.00	15.80	4.27	4.21	4.55	2.80	4.13	3.07	3.60	3.89	2.47
Sodium	-	-	-	9.81	-	8.93	-	4.46	-	3.64	-	4.18	2.92	2.79	5.28	3.39
Zinc	-	5	5	0.01	-	0.01980	-	<0.00500	-	<0.00500	-	<0.00500	<0.00500	<0.00500	0.00842	<0.00500
Magnesium	-	-	-	17.90	-	17.50	-	7.71	-	7.74	-	14.30	12.60	13.20	11.80	6.60
Potassium	-	-	-	3.35	-	3.13	-	2.18	-	1.91	-	2.19	1.85	1.88	2.22	1.45
Iron	-	0.1	0.3	<0.060	-	-	-	<0.060	-	-	-	<0.060	<0.060	-	<0.060	-
Manganese	-	0.05	0.05	<0.00100	-	<0.00100	-	<0.00100	-	<0.00100	-	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Sulfate	-	-	250	15.90	-	-	-	8.89	-	-	-	11.10	10.00	-	10.40	-
Calcium	-	-	-	54.90	-	52.00	-	24.90	-	24.30	-	36.90	29.40	30.00	37.50	21.60
Carbonate	-	-	-	<1.0	-	-	-	<1.0	-	-	-	<1.0	<1.0	-	<1.0	-
Bicarbonate	-	-	-	192	-	-	-	86.3	-	-	-	145	118	-	140	-
TDS	-	-	500	262	-	-	-	117	-	-	-	181	134	-	173	-

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  
2011 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				
WQMP Well ID		5427L01						5518R01		6211K01		6320D01				
SampleID/Comment		5427L01	5427L01A duplicate	5427L01	5427L01	5427L01A duplicate	5427L01	5427L01A duplicate	5518R01	5518R01	6211K01	6211K01	6320D01	6320D01		
Quarter		1	1	2	3	3	4	4	1	3	1	3	1	3		
Sample Date		2011	2011	2011	2011	2011	2011	2011	2011	2011	2011	2011	2011	2011		
Static Water Level (ft)		-	-	-	-	-	-	-	-	-	-	-	-	-		
Sample Depth (ft)		-	-	-	-	-	-	-	-	-	-	-	-	-		
Conductivity (µS/cm)		430.00	-	383.00	394.00	-	438.00	-	136.00	163.00	-	283.00	263.00	261.00		
Water Temperature (C°)		10.11	-	9.97	9.83	-	8.28	-	11.31	10.42	-	11.50	9.99	9.50		
pH		7.34	-	6.66	7.37	-	7.60	-	7.95	8.16	-	-	7.61	8.12		
Analytes	Washington Drinking Water Standards															
	MCL <sup>1</sup>	Trigger Level <sup>2</sup>	Secondary													
Phosphorus	-	-	-	0.005	0.005	0.007	0.006	0.006	0.006	0.006	0.002	0.003	0.006	0.005	0.003	0.004
SRP <sup>3</sup>	-	-	-	0.004	0.004	0.006	0.006	0.005	0.005	0.005	0.002	0.003	0.005	0.004	0.003	0.003
Nitrate+Nitrite	10	5	-	3.11	3.11	2.80	3.13	3.15	2.95	2.94	0.435	0.977	1.42	1.36	1.02	0.93
Arsenic	0.01	0.005	-	0.00378	0.00378	-	0.00340	0.00400	-	-	0.002	<0.001	0.00301	0.00360	0.00230	0.00310
Lead <sup>4</sup>	0.015	-	-	<0.00100	<0.00100	-	<0.00100	<0.00100	-	-	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Copper <sup>4</sup>	1.3	-	-	0.00465	0.00462	-	0.00127	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
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
Chromium	0.1	0.02	-	<0.00150	<0.00150	-	<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	-	0.110	0.120	-	-	<0.100	0.100	<0.100	0.100	<0.100	0.100
Chloride	-	250	250	9.31	9.67	9.15	9.64	9.23	9.78	9.64	2.28	4.15	6.66	6.67	4.32	3.55
Sodium	-	-	-	6.57	6.57	-	6.44	6.65	-	-	2.08	2.25	3.70	3.99	2.86	3.02
Zinc	-	5	5	0.01	0.01	-	<0.00500	<0.00500	-	-	<0.00500	<0.00500	0.00734	<0.00500	<0.00500	0.00960
Magnesium	-	-	-	17.90	17.90	-	17.80	18.30	-	-	4.03	5.42	16.80	16.40	14.90	14.30
Potassium	-	-	-	2.73	2.74	-	2.73	2.82	-	-	1.17	1.30	2.12	2.05	1.85	1.81
Iron	-	0.1	0.3	<0.060	<0.060	-	-	-	-	-	<0.060	-	<0.060	-	<0.060	-
Manganese	-	0.05	0.05	<0.00100	<0.00100	-	<0.00100	<0.00100	-	-	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Sulfate	-	-	250	14.30	14.20	-	-	-	-	-	4.58	-	14.40	-	13.30	-
Calcium	-	-	-	50.40	50.20	-	49.00	50.40	-	-	17.20	22.40	31.20	32.10	26.10	26.50
Carbonate	-	-	-	<1.0	<1.0	-	-	-	-	-	<1.0	-	<1.0	-	<1.0	-
Bicarbonate	-	-	-	184	185	-	-	-	-	-	57.4	-	134	-	117	-
TDS	-	-	500	218	226	-	-	-	-	-	67	-	153	-	136	-

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  
2011 Quarterly Results

Well Name		NORTH SPOKANE IRRIG. DIST. # 4, Site 4		CONS. IRRIG DIST 19, Site 11B	MODERN ELECT WATER, Site 11		6th & Havana monitoring well (MW-2)				New Balfour Park monitoring well					
WQMP Well ID		6328H01		6631M04	5415E03		5323E01				5417R02					
SampleID/Comment		6328H01	6328H01	6631M04	5415E03	5415E03 north well	5323E01	5323E01	5323E01	5323E01	5417R02	5417R02	5417R02	5417R02		
Quarter		1	3	3	1	3	1	2	3	4	1	2	3	4		
Sample Date		2011	2011	2011	2011	2011	2011	2011	2011	2011	2011	2011	2011	2011		
Static Water Level (ft)		-	-	-	-	-	45.38	44.14	50.95	51.19	65.14	64.24	69.15	71.01		
Sample Depth (ft)		-	-	-	-	-	47	45.1	52	52.5	66	67	71	72		
Conductivity (µS/cm)		227.00	236.00	245.00	223.00	206.00	321.00	296.00	393.00	354.00	201.00	184.00	209	187		
Water Temperature (C°)		13.64	8.73	10.84	9.94	8.86	11.44	11.24	11.13	10.02	12.04	12.58	11.85	10.49		
pH		8.11	8.17	7.44	7.66	-	7.59	7.25	7.75	7.98	7.76	6.19	8	7.79		
Analytes	Washington Drinking Water Standards															
	MCL <sup>1</sup>	Trigger Level <sup>2</sup>	Secondary													
Phosphorus	-	-	-	0.004	0.004	0.006	0.003	0.004	0.011	0.012	0.016	0.012	0.006	0.011	0.010	0.007
SRP <sup>3</sup>	-	-	-	0.003	0.004	0.004	0.002	0.003	0.011	0.012	0.010	0.011	0.006	0.008	0.006	0.006
Nitrate+Nitrite	10	5	-	0.90	0.99	1.12	0.938	0.951	2.06	2.17	2.63	2.80	1.21	1.040	1.010	0.937
Arsenic	0.01	0.005	-	0.00213	0.00200	0.00550	0.00237	0.00330	0.00306	-	0.00360	-	0.00270	-	0.00110	-
Lead <sup>4</sup>	0.015	-	-	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	-	<0.00100	-	<0.00100	-	<0.00100	-
Copper <sup>4</sup>	1.3	-	-	0.00101	0.00159	<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	-
Cadmium	0.005	0.005	-	<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	<0.00150	-	<0.00150	-	<0.00150	-	<0.00150	-
Fluoride	4	0.5	2	0.120	0.110	0.100	<0.100	0.100	<0.100	-	0.110	-	<0.100	-	0.110	-
Chloride	-	250	250	6.15	5.92	3.33	2.39	2.88	9.42	9.25	13.60	12.40	3.57	3.50	3.79	3.58
Sodium	-	-	-	4.46	4.73	2.60	2.48	2.31	5.71	-	7.22	-	2.51	-	2.50	-
Zinc	-	5	5	<0.00500	<0.00500	0.01	<0.00500	<0.00500	<0.00500	-	<0.00500	-	<0.00500	-	<0.00500	-
Magnesium	-	-	-	10.10	10.60	12.00	10.20	9.93	12.60	-	15.20	-	7.77	-	7.97	-
Potassium	-	-	-	2.14	2.02	2.00	1.64	1.57	2.28	-	2.56	-	1.50	-	1.51	-
Iron	-	0.1	0.3	<0.060	-	-	<0.060	-	<0.060	-	-	-	<0.060	-	-	-
Manganese	-	0.05	0.05	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	-	<0.00100	-	<0.00100	-	<0.00100	-
Sulfate	-	-	250	10.30	-	-	9.03	-	11.20	-	-	-	7.07	-	-	-
Calcium	-	-	-	24.30	24.10	27.40	24.40	23.40	36.90	-	45.80	-	24.20	-	25.80	-
Carbonate	-	-	-	<1.0	-	-	<1.0	-	<1.0	-	-	-	<1.0	-	-	-
Bicarbonate	-	-	-	96	-	-	97.5	-	137	-	-	-	88.6	-	-	-
TDS	-	-	500	113	-	-	111	-	164	-	-	-	123	-	-	-

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  
2011 Quarterly Results

Well Name		SPOKANE FISH HATCHERY, GRIFFITH SPR				Sullivan Spring	Three Springs				Waikiki Springs					
WQMP Well ID		6211J01s				5411R05s	5212F01s				6306P01s					
SampleID/Comment		6211J01s	6211J01s	6211J01s	6211J01s	Sullivan Spring	5212F01s	5212F01s	5212F01s	5212F01s	6306P01s	6306P01s	6306P01s	6306P01s		
Quarter		1	2	3	4	3	1	2	3	4	1	2	3	4		
Sample Date		2011	2011	2011	2011	2011	2011	2011	2011	2011	2011	2011	2011	2011		
Static Water Level (ft)		-	-	-	-	-	-	-	-	-	-	-	-	-		
Sample Depth (ft)		-	-	-	-	-	-	-	-	-	-	-	-	-		
Conductivity (µS/cm)		338.00	286.00	352.00	318.00	266.00	-	289.00	315.00	347.00	389.00	363.00	390.00	393.00		
Water Temperature (C°)		10.90	9.50	11.20	8.23	8.36	-	10.16	11.80	8.63	11	9.36	11.1	8.12		
pH		-	7.40	-	7.79	7.79	-	6.33	-	7.75	-	6.92	-	7.74		
Analytes	Washington Drinking Water Standards															
	MCL <sup>1</sup>	Trigger Level <sup>2</sup>	Secondary													
Phosphorus	-	-	-	0.007	0.005	0.005	0.006	0.005	0.006	0.006	0.007	0.006	0.005	0.003	0.005	0.004
SRP <sup>3</sup>	-	-	-	0.006	0.004	0.003	0.006	0.004	0.005	0.005	<0.001	0.005	0.005	0.003	<0.001	0.004
Nitrate+Nitrite	10	5	-	1.65	1.64	1.62	1.75	1.02	1.72	1.94	1.74	2.44	3.16	2.88	2.77	3.26
Arsenic	0.01	0.005	-	0.00249	-	0.00290	-	0.00320	0.00297	-	0.00320	-	0.00144	-	0.00150	-
Lead <sup>4</sup>	0.015	-	-	<0.00100	-	<0.00100	-	0.00204	<0.00100	-	<0.00100	-	<0.00100	-	<0.00100	-
Copper <sup>4</sup>	1.3	-	-	<0.00100	-	<0.00100	-	<0.00100	0.00190	-	<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	-	<0.000200	-	<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	-
Fluoride	4	0.5	2	0.265	-	0.100	-	0.110	<0.100	-	0.100	-	<0.100	-	0.100	-
Chloride	-	250	250	8.20	8.11	9.19	8.86	2.58	9.76	11.80	11.90	11.80	11.70	15.60	19.40	12.70
Sodium	-	-	-	4.21	-	4.54	-	3.20	5.35	-	5.69	-	6.68	-	6.36	-
Zinc	-	5	5	<0.00500	-	<0.00500	-	<0.00500	<0.00500	-	<0.00500	-	<0.00500	-	<0.00500	-
Magnesium	-	-	-	18.20	-	18.10	-	11.90	12.60	-	13.00	-	21.40	-	22.10	-
Potassium	-	-	-	2.31	-	2.25	-	1.80	2.05	-	2.03	-	2.68	-	2.53	-
Iron	-	0.1	0.3	<0.060	-	-	-	-	<0.060	-	-	-	<0.060	-	-	-
Manganese	-	0.05	0.05	<0.00100	-	<0.00100	-	0.00226	<0.00100	-	<0.00100	-	<0.00100	-	<0.00100	-
Sulfate	-	-	250	15.30	-	-	-	-	12.90	-	-	-	19.80	-	-	-
Calcium	-	-	-	33.40	-	35.50	-	29.00	34.50	-	36.80	-	36.20	-	39.80	-
Carbonate	-	-	-	<1.0	-	-	-	-	<1.0	-	-	-	<1.0	-	-	-
Bicarbonate	-	-	-	143	-	-	-	-	127	-	-	-	159	-	-	-
TDS	-	-	500	168	-	-	-	-	157	-	-	-	201	-	-	-

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  
2011 Quarterly Results

Well Name		Blank				Equipment Blank					
WQMP Well ID		Blank				Equipment Blank					
SampleID/Comment		BLANK	BLANK	BLANK	BLANK	EQUIPMEN T BLANK	EQUIPMEN T BLANK	EQUIPMEN T BLANK	EQUIPMENT BLANK		
Quarter		1	2	3	4	1	2	3	4		
Sample Date		2011	2011	2011	2011	2011	2011	2011	2011		
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	<0.002	<0.002	<0.002
SRP <sup>3</sup>	-	-	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Nitrate+Nitrite	10	5	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Arsenic	0.01	0.005	-	<0.001	<0.001	<0.001	-	<0.001	0.001	<0.001	-
Lead <sup>4</sup>	0.015	-	-	<0.00100	<0.00100	<0.00100	-	<0.00100	<0.00100	<0.00100	-
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	-	<0.000200	<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	<0.20	<0.20	0.22	<0.20	<0.20	<0.20	0.25	<0.20
Sodium	-	-	-	<0.50	-	<0.50	-	<0.50	-	<0.50	-
Zinc	-	5	5	<0.00500	<0.00500	<0.00500	-	<0.00500	<0.00500	<0.00500	-
Magnesium	-	-	-	<0.06	-	<0.06	-	<0.06	-	<0.06	-
Potassium	-	-	-	<0.50	-	<0.50	-	<0.50	-	<0.50	-
Iron	-	0.1	0.3	<0.060	-	-	-	<0.060	-	-	-
Manganese	-	0.05	0.05	<0.00100	-	<0.00100	-	<0.00100	-	<0.00100	-
Sulfate	-	-	250	<0.30	-	-	-	<0.30	-	-	-
Calcium	-	-	-	<0.04	-	<0.04	-	0.05	-	0.10	-
Carbonate	-	-	-	<1.0	-	-	-	<1.0	-	-	-
Bicarbonate	-	-	-	<1	-	-	-	<1	-	-	-
TDS	-	-	500	<10	-	-	-	<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.