

Spokane County Water Resources - Spokane Valley Rathdrum Prairie Aquifer Monitoring  
2010 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	5304G01	5304G01	5304G01	5307M01	5307M01	5307M01	5307M01	5308H01	5308H01	5308H01	5308H01		
Quarter		1	2	3	4	1	2	3	4	1	2	3	4		
Sample Date		2/11/2010	5/13/2010	8/12/2010	11/18/2010	2/10/2010	5/12/2010	8/11/2010	11/18/2010	2/10/2010	5/12/2010	8/11/2010	11/17/2010		
Static Water Level (ft)		178.40	176.15	179.54	178.93	137.61	133.55	140.55	138.45	83.79	81.96	86.08	84.22		
Average Static Water Level (ft)		177.64	174.32	179.65	179.30	135.09	129.13	140.98	139.69	82.92	80.09	86.44	84.66		
Sample Depth (ft)		182	182	182	182	148.5	149	148	148.5	86	86	87	86		
Conductivity (µS/cm)		304.00	295.00	290.00	319.00	253.00	271.00	247.00	265.00	221.00	232.00	183.00	239.00		
Water Temperature (C°)		14.25	13.18	13.01	12.47	12.98	13.64	13.58	12.53	13.15	13.17	12.29	13.51		
pH		7.95	8.14	8.19	8.25	7.97	7.82	7.89	8.37	7.83	7.73	7.97	8.08		
Analytes	Washington Drinking Water Standards														
	MCL <sup>1</sup>	Trigger Level <sup>2</sup>	Secondary												
Phosphorus	-	-	-	0.003	0.005	0.004	0.004	0.004	0.004	0.003	0.006	0.003	0.006	0.005	0.005
Ortho-Phosphate	-	-	-	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.002	0.003	0.003	0.005	0.005
Nitrate+Nitrite	10	5	-	1.66	1.31	1.37	1.52	1.33	1.24	1.26	1.30	1.05	0.97	0.83	1.09
Arsenic	0.01	0.005	-	0.00258	0.00280	0.00166	0.00239	0.00292	0.00176	0.00207	0.00260	0.00229	0.00197	0.00164	0.00232
Lead <sup>3</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>3</sup>	1.3	-	-	<0.00100	<0.00100	0.00117	<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	<0.00150	<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	0.144	0.177	<0.100	0.109	<0.100	<0.100	<0.100	0.107	<0.100	0.103
Chloride	-	250	250	8.49	5.83	7.25	9.49	5.11	5.42	5.32	5.66	3.84	4.38	3.68	4.63
Sodium	-	-	-	4.41	4.16	5.14	5.13	3.55	3.61	3.68	3.77	2.77	2.85	2.78	3.31
Zinc	-	5	5	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.00674	<0.00500	<0.00500
Magnesium	-	-	-	14.70	13.40	14.70	15.30	10.30	10.30	10.40	11.40	8.90	9.07	7.81	10.00
Potassium	-	-	-	1.88	1.86	2.02	2.04	1.71	1.69	1.77	1.88	1.60	1.59	1.50	1.83
Iron	-	0.1	0.3	<0.060	<0.060	<0.060	<0.060	<0.060	<0.060	<0.060	<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 <sup>J</sup>	<0.00100	<0.00100	<0.00100	<0.00100 <sup>J</sup>	<0.00100	<0.00100
Sulfate	-	-	250	12.80	11.30	12.30	13.40	10.10	10.30	9.81	10.90	8.52	8.45	6.94	9.29
Calcium	-	-	-	33.20	29.10	33.70	34.50	30.00	29.70	30.10	33.30	25.30	25.10	22.00	28.30
Carbonate	-	-	-	<1.0	<1.0	8.8	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bicarbonate	-	-	-	137	125	140	140	116	114	112	115	102	97.2	83.6	104
TDS	-	-	500	164	175	183	165	134	166	148	157	133	168	119	137

All results reported in mg/l (ppm)

1 Maximum Contaminant Levels

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

3 Federal Action Levels established for distribution systems.

Results in **bold italics** exceed a standard

J-Analyte was positively identified; the quantitation is estimated

R-The data are rejected due to deficiencies in the ability to analyze the sample and meet QC criteria

Spokane County Water Resources - Spokane Valley Rathdrum Prairie Aquifer Monitoring  
2010 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	5311J05	5311J05	5311J05	5311J05		
Quarter		1	1	2	2	3	3	4	1	2	3	4		
Sample Date		2/10/2010	2/10/2010	5/12/2010	5/12/2010	8/11/2010	8/11/2010	11/16/2010	2/10/2010	5/11/2010	8/10/2010	11/16/2010		
Static Water Level (ft)		38.44		34.79		40.04		38.68	66.29	62.49	67.75	66.24		
Average Static Water Level (ft)		36.55		32.75		40.40		38.83	63.82	59.18	68.05	66.69		
Sample Depth (ft)		41		41		41		41	67	63.5	69	67.5		
Conductivity (µS/cm)		208.00		240.00		207.00		209	321.00	348.00	325.00	337.00		
Water Temperature (C°)		12.79		12.67		12.60		12.88	10.78	11.77	11.29	10.60		
pH		8.07		7.91		8.07		8.3	7.87	7.65	7.93	7.96		
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	0.005	0.006	0.005	0.005	0.005
Ortho-Phosphate	-	-	-	0.003	0.003	0.003	0.003	0.002	0.002	0.003	0.004	0.004	0.004	0.005
Nitrate+Nitrite	10	5	-	1.03	1.02	0.95	0.95	0.92	0.91	0.83	1.71	1.61	1.70	1.53
Arsenic	0.01	0.005	-	0.00309	0.00241	0.00239	0.003	0.00215	0.00191	0.00254	0.00281	0.00257	0.00245	0.00262
Lead <sup>3</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
Copper <sup>3</sup>	1.3	-	-	<0.00100	<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	<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	<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	<0.100	<0.100	<0.100
Chloride	-	250	250	3.63	3.61	4.75	4.73	4.11	4.03	3.44	5.57	5.84	6.12	5.20
Sodium	-	-	-	2.54	2.42	2.71	2.64	2.80	2.71	2.83	4.06	4.10	4.51	4.70
Zinc	-	5	5	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
Magnesium	-	-	-	8.53	7.96	9.38	9.20	8.96	8.75	9.20	16.00	16.60	17.20	17.60
Potassium	-	-	-	1.59	1.50	1.58	1.54	1.61	1.57	1.65	2.07	2.04	2.17	2.22
Iron	-	0.1	0.3	0.073	0.097	<b>0.110</b>	<b>0.111</b>	<0.060	<0.060	<b>0.143</b>	<0.060	<0.060	<0.060	<0.060
Manganese	-	0.05	0.05	0.00210	0.00329	0.0102 <sup>J</sup>	0.00797 <sup>J</sup>	<0.00100	0.00165	0.00488	<0.00100	<0.00100	<0.00100	<0.00100
Sulfate	-	-	250	7.50	7.48	8.06	8.17	7.31	7.34	6.91	13.60	13.80	14.50	14.10
Calcium	-	-	-	24.90	23.40	26.60	26.30	26.00	25.20	26.60	35.80	36.80	37.50	39.40
Carbonate	-	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bicarbonate	-	-	-	96.2	97.1	102	102	97.2	98.5	92.6	150	148	149	149
TDS	-	-	500	116	115	166	146	121	144	96	172	183	204	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 Federal Action Levels established for distribution systems.

Results in **bold italics** exceed a standard

J-Analyte was positively identified; the quantitation is estimated

R-The data are rejected due to deficiencies in the ability to analyze the sample and meet QC criteria

Spokane County Water Resources - Spokane Valley Rathdrum Prairie Aquifer Monitoring  
2010 Quarterly Results

Well Name		Hale's Ale Nested Site, mid				Felts Field City monitoring well				Olive & Fiske monitoring well					
WQMP Well ID		5311J07				5312C01				5315L01					
SampleID/Comment		5311J07	5311J07	5311J07	5311J07	5312C01	5312C01	5312C01	5312C01	5315L01	5315L01	5315L01	5315L01		
Quarter		1	2	3	4	1	2	3	4	1	2	3	4		
Sample Date		2/10/2010	5/11/2010	8/10/2010	11/16/2010	2/9/2010	5/11/2010	8/10/2010	11/16/2010	2/10/2010	5/12/2010	8/11/2010	11/16/2010		
Static Water Level (ft)		66.34	62.54	67.81	66.29	62.42	58.95	63.12	62.51	68.11	64.69	69.75	68.57		
Average Static Water Level (ft)		63.86	59.08	67.90	66.73	61.05	56.73	63.60	62.80	66.85	62.65	69.97	68.77		
Sample Depth (ft)		105.5	105	105.5	105	68	68	68	68	69	68	71	69.5		
Conductivity (µS/cm)		320.00	347.00	322.00	334.00	202.00	220.00	184.00	219.00	251.00	265.00	238.00	237.00		
Water Temperature (C°)		10.48	11.52	10.67	10.41	13.03	14.43	13.87	11.27	11.78	14.21	13.42	12.80		
pH		7.95	7.67	7.98	7.92	8.05	7.73	8.18	8.20	8.05	7.91	8.10	8.26		
Analytes	Washington Drinking Water Standards														
	MCL <sup>1</sup>	Trigger Level <sup>2</sup>	Secondary												
Phosphorus	-	-	-	0.004	0.004	0.004	0.005	0.017		0.019	0.035	0.004	0.004	0.010	0.005
Ortho-Phosphate	-	-	-	0.003	0.003	0.003	0.003	0.017		0.017	0.016	0.004	0.004	0.003	0.005
Nitrate+Nitrite	10	5	-	1.67	1.54	1.67	1.48	0.82	1.11	1.03	1.08	1.13	1.12	1.09	1.00
Arsenic	0.01	0.005	-	0.00252	0.00268	0.00212	0.00251	0.00633	0.00688	0.00588	0.00541	0.00208	0.002	0.00157	0.00222
Lead <sup>3</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>3</sup>	1.3	-	-	<0.00100	<0.00100	<0.00100	<0.00100	0.00317	0.00183	0.00122	0.00265	<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	<0.00150	<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	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100
Chloride	-	250	250	5.46	5.57	6.08	5.21	2.54	2.64	2.89	3.12	9.97	8.17	7.11	4.16
Sodium	-	-	-	3.90	4.26	4.57	4.49	3.50	3.46	3.29	3.62	3.22	3.16	3.15	3.29
Zinc	-	5	5	<0.00500	<0.00500	0.01	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
Magnesium	-	-	-	15.30	17.50	17.50	17.80	6.84	7.23	6.61	7.99	10.40	10.10	10.10	10.40
Potassium	-	-	-	2.05	2.13	2.19	2.14	1.44	1.52	1.45	1.44	1.76	1.73	1.73	1.71
Iron	-	0.1	0.3	<0.060	<0.060	<0.060	<0.060	<0.060	<0.060	<0.060	<0.060	<0.060	<0.060 <sup>J</sup>	<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	<0.00100	<0.00100
Sulfate	-	-	250	13.90	13.40	14.30	14.30	9.22	7.82	8.01	9.59	8.64	8.98	8.51	8.09
Calcium	-	-	-	33.50	38.20	37.40	39.10	25.40	26.90	24.10	29.20	29.60	28.30	28.50	29.50
Carbonate	-	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bicarbonate	-	-	-	150	148	150	149	95	91.9	83.7	93.3	108	107	106	104
TDS	-	-	500	178	182	194	163	123	124	122	114	146	150	159	124

All results reported in mg/l (ppm)

**1** Maximum Contaminant Levels

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

**3** Federal Action Levels established for distribution systems.

Results in **bold italics** exceed a standard

**J**-Analyte was positively identified; the quantitation is estimated

**R**-The data are rejected due to deficiencies in the ability to analyze the sample and meet QC criteria

Spokane County Water Resources - Spokane Valley Rathdrum Prairie Aquifer Monitoring  
2010 Quarterly Results

Well Name		Third & Havana Nested Site, east				Third & Havana Nested Site, mid				Plantes Ferry Park monitoring well					
WQMP Well ID		5322A01				5322A03				5404A01					
SampleID/Comment		5322A01	5322A01	5322A01	5322A01	5322A03	5322A03	5322A03	5322A03	5404A01	5404A01	5404A01	5404A01		
Quarter		1	2	3	4	1	2	3	4	1	2	3	4		
Sample Date		2/10/2010	5/12/2010	8/11/2010	11/17/2010	2/10/2010	5/12/2010	8/11/2010	11/17/2010	2/9/2010	5/11/2010	8/10/2010	11/16/2010		
Static Water Level (ft)		50.64	46.86	52.41	51.09	50.60	46.83	52.36	51.03	48.28	46.60	49.34	48.84		
Average Static Water Level (ft)		48.40	44.34	52.19	51.29	48.44	44.32	52.12	51.22	48.04	44.95	49.83	49.13		
Sample Depth (ft)		52	48	53.5	52	91	90	90	90	109.5	109.5	109.5	109.5		
Conductivity (µS/cm)		261.00	301.00	261.00	274.00	265.00	287.00	266.00	277.00	299.00	329.00	303.00	316.00		
Water Temperature (C°)		12.13	14.83		12.67	12.09	13.69	12.66	12.23	12.92	12.80	13.50	12.29		
pH		7.92	7.71	8.07	8.37	7.94	7.76	8.06	8.12	6.78	6.89	7.00	6.77		
Analytes	Washington Drinking Water Standards														
	MCL <sup>1</sup>	Trigger Level <sup>2</sup>	Secondary												
Phosphorus	-	-	-	0.008	0.010	0.008	0.008	0.008	0.008	0.009	0.010	0.352		0.292	0.288
Ortho-Phosphate	-	-	-	0.008	0.009	0.007	0.008	0.007	0.008	0.007	0.008	0.075		0.030	0.132
Nitrate+Nitrite	10	5	-	1.59	1.66	1.55	1.52	1.65	1.54	1.61	1.63	<0.0500	<0.0500	<0.0500	<0.0500
Arsenic	0.01	0.005	-	0.00230	0.00235	0.00179	0.00254	0.00189	0.00332	0.00242	0.00300	<0.00100	<0.00100	<0.00100	<0.00100
Lead <sup>3</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>3</sup>	1.3	-	-	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	0.00141	0.00119	0.00143
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	<0.00150	<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	<0.100	<0.100	<0.100	<0.100	<0.100	0.103	0.180	0.285	0.247	0.151
Chloride	-	250	250	6.53	9.76	5.55	5.69	6.38	6.90	5.96	5.79	2.33	2.14	2.09	2.39
Sodium	-	-	-	4.58	4.77	4.22	4.36	4.46	4.41	4.40	4.67	10.40	10.70	11.50	11.00
Zinc	-	5	5	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
Magnesium	-	-	-	10.80	10.60	10.70	11.10	10.80	10.50	10.90	11.40	12.70	13.90	13.50	13.80
Potassium	-	-	-	2.05	1.86	1.88	1.98	1.94	1.85	1.90	2.08	5.25	5.30	5.65	5.32
Iron	-	0.1	0.3	<0.060	<0.060	<0.060	<0.060	<0.060	<0.060	<0.060	<0.060	<b>5.370</b>	<b>5.790</b>	<b>5.490</b>	<b>5.640</b>
Manganese	-	0.05	0.05	<0.00100	<0.00100 <sup>J</sup>	<0.00100	<0.00100	<0.00100	<0.00100 <sup>J</sup>	<0.00100	0.00167	<b>0.33300</b>	<b>0.35000</b>	<b>0.36300</b>	<b>0.37500</b>
Sulfate	-	-	250	9.14	9.84	9.04	9.63	9.18	9.41	9.15	9.81	21.80	21.60	21.20	20.90
Calcium	-	-	-	32.80	32.40	32.10	33.60	32.70	31.50	32.80	34.30	25.30	27.40	26.30	27.60
Carbonate	-	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bicarbonate	-	-	-	120	120	119	121	118	118	121	126	135	132	132	130
TDS	-	-	500	139	193	174	149	146	187	161	167	194	196	241	197

All results reported in mg/l (ppm)

1 Maximum Contaminant Levels

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

3 Federal Action Levels established for distribution systems.

Results in **bold italics** exceed a standard

J-Analyte was positively identified; the quantitation is estimated

R-The data are rejected due to deficiencies in the ability to analyze the sample and meet QC criteria

Spokane County Water Resources - Spokane Valley Rathdrum Prairie Aquifer Monitoring  
2010 Quarterly Results

Well Name		monitoring well Frederick & Bowdish				Sullivan Park South, monitoring well					Sullivan Road and Centennial Trail, monitoring well					
WQMP Well ID		5409C02				5411R03					5411R04					
SampleID/Comment		5409C02	5409C02	5409C02	5409C02	5411R03	5411R03	5411R03	5411R03	5411R03a	5411R04	5411R04	5411R04	5411R04		
Quarter		1	2	3	4	1	2	3	4	4	1	2	3	4		
Sample Date		2/9/2010	5/11/2010	8/10/2010	11/16/2010	2/9/2010	5/11/2010	8/10/2010	11/16/2010	11/16/2010	2/9/2010	5/11/2010	8/10/2010	11/16/2010		
Static Water Level (ft)		92.52	89.68	92.43	92.51	33.31	28.50	35.13	33.00		55.08	51.05	56.42	54.90		
Average Static Water Level (ft)		91.16	87.45	92.68	92.73	31.15	25.27	33.45	33.61		53.41	48.57	55.20	55.31		
Sample Depth (ft)		93.5	91	94.5	93.5	34.5	29.5	36	34		56	52	57.5	56		
Conductivity (µS/cm)		285.00	311.00	278.00	305.00	234.00	226.00	244.00	252.00		232.00	84.00	200.00	245.00		
Water Temperature (C°)		11.77	10.56	10.71	11.94	10.28	11.44	12.58	11.01		11.89	10.40	11.99	11.68		
pH		7.47	7.48	7.20	7.72	7.91	7.83	8.03	7.88		7.88	8.10	7.87	8.06		
Analytes	Washington Drinking Water Standards															
	MCL <sup>1</sup>	Trigger Level <sup>2</sup>	Secondary													
Phosphorus	-	-	-	0.007		0.007	0.006	0.005	0.006	0.006	0.004	0.004	0.005	0.005	0.005	0.004
Ortho-Phosphate	-	-	-	0.005		0.006	0.005	0.005	0.005	0.005	0.004	0.004	0.005	0.004	0.004	0.003
Nitrate+Nitrite	10	5	-	1.58	1.64	1.53	1.50	0.981	0.867	0.969	0.98	0.98	0.975	0.081	0.84	0.84
Arsenic	0.01	0.005	-	0.00479	0.00496	0.00421	0.00510	0.00189	0.00296	0.00221	0.00231	0.00248	0.00126	0.00327	0.00137	0.00162
Lead <sup>3</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	<0.00100
Copper <sup>3</sup>	1.3	-	-	<0.00100	<0.00100	<0.00100	<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	<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	<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	<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	<0.100	<0.100	<0.100	<0.100	<0.100
Chloride	-	250	250	2.84	2.50	2.92	3.05	2.45	2.62	2.51	2.13	2.16	2.37	1.41	2.08	2.26
Sodium	-	-	-	3.57	3.69	3.72	3.83	2.58	2.69	3.10	2.81	2.81	2.51	1.63	2.64	2.91
Zinc	-	5	5	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
Magnesium	-	-	-	12.60	13.80	13.00	14.00	11.20	10.70	12.50	12.70	12.50	11.20	3.64	10.10	12.50
Potassium	-	-	-	1.84	1.89	1.87	1.85	1.59	1.59	1.84	1.69	1.71	1.63	0.92	1.55	1.75
Iron	-	0.1	0.3	<b>0.489</b>	<b>2.180</b>	<b>0.434</b>	<b>0.185</b>	<0.060	<0.060	<0.060	<0.060	<0.060	<0.060	<0.060	<0.060	<0.060
Manganese	-	0.05	0.05	0.01060	0.02650	0.01340	0.01460	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Sulfate	-	-	250	12.00	10.10	10.70	11.10	11.40	9.88	11.10	11.40	11.60	11.20	4.74	9.20	9.93
Calcium	-	-	-	33.90	36.80	33.70	37.90	26.00	24.90	28.00	29.50	29.30	25.60	8.51	22.20	28.60
Carbonate	-	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bicarbonate	-	-	-	139	140	136	138	111	96.9	115	114	114	110	33.3	94.1	111
TDS	-	-	500	165	164	175	156	132	121	146	126	133	136	49	129	126

All results reported in mg/l (ppm)

1 Maximum Contaminant Levels

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

3 Federal Action Levels established for distribution systems.

Results in **bold italics** exceed a standard

J-Analyte was positively identified; the quantitation is estimated

R-The data are rejected due to deficiencies in the ability to analyze the sample and meet QC criteria

Spokane County Water Resources - Spokane Valley Rathdrum Prairie Aquifer Monitoring  
2010 Quarterly Results

Well Name		Trent & Barker Road, monitoring well				Euclid & Barker monitoring well at CID5				Barker Road north of river, monitoring well					
WQMP Well ID		5505D01				5507A04				5507H01					
SampleID/Comment		5505D01	5505D01	5505D01	5505D01	5507A04	5507A04	5507A04	5507A04	5507H01	5507H01	5507H01	5507H01		
Quarter		1	2	3	4	1	2	3	4	1	2	3	4		
Sample Date		2/8/2010	5/10/2010	8/9/2010	11/15/2010	2/8/2010	5/10/2010	8/9/2010	11/15/2010	2/8/2010	5/10/2010	8/9/2010	11/15/2010		
Static Water Level (ft)		95.15	92.60	95.04	94.42	72.26	69.50	72.30	71.58	50.66	47.72	50.61	50.02		
Average Static Water Level (ft)		93.57	90.43	94.52	94.84	70.71	66.99	71.24	71.94	49.58	45.32	49.54	50.39		
Sample Depth (ft)		96	93.75	96	95.5	73	70.5	73	73	51.5	49	51.5	52.5		
Conductivity (µS/cm)		344.00	375.00	350.00	369.00	345.00	367.00	345.00	370.00	54.00	64.00	60.00	59.00		
Water Temperature (C°)		11.34	13.67	11.78	10.86	9.88	11.82	10.58	9.65	5.19	9.16	22.35	11.11		
pH		7.76	7.63	7.76	8.08	7.70	7.64	7.77	7.97	7.77	7.64	7.43	7.59		
Analytes	Washington Drinking Water Standards														
	MCL <sup>1</sup>	Trigger Level <sup>2</sup>	Secondary												
Phosphorus	-	-	-	0.011	0.010	0.012	0.011	0.003	0.003	0.003	0.003	0.009	0.013	0.020	0.012
Ortho-Phosphate	-	-	-	0.008	0.009	0.011	0.010	0.002	0.001	0.002	0.003	0.008	0.011	0.020	0.011
Nitrate+Nitrite	10	5	-	2.89	2.92	3.20	3.10	1.46	1.46	1.58	1.45	0.274	0.242	0.195	0.186
Arsenic	0.01	0.005	-	0.00425	0.00452	0.00406	0.00490	0.00184	0.00184	<0.00100	0.00191	<0.00100	<0.00100	<0.00100	<0.00100
Lead <sup>3</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>3</sup>	1.3	-	-	<0.00100	<0.00100	<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	<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	<0.00150	<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	<0.100	0.110	<0.100	<0.100	<0.100	0.100	<0.100	<0.100	<0.100	<0.100
Chloride	-	250	250	4.54	4.18	5.32	5.31	2.21	1.76	2.28	2.48	1.57	1.67	1.49	1.66
Sodium	-	-	-	5.47	5.73	5.74	5.69	3.03	3.04	2.93	3.13	1.81	2.06	2.17	1.85
Zinc	-	5	5	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.02540	0.02280	0.01890	0.02350
Magnesium	-	-	-	12.30	13.00	13.80	13.70	17.50	17.60	17.90	18.80	1.69	1.81	1.90	1.86
Potassium	-	-	-	2.25	2.20	2.28	2.55	2.06	1.93	1.90	2.31	0.55	0.68	1.02	0.72
Iron	-	0.1	0.3	<0.060	<0.060	<0.060	<0.060	<0.060	<0.060	<0.060	<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	<0.00100	<0.00100
Sulfate	-	-	250	11.50	10.70	11.60	12.10	16.60	14.90	16.40	17.10	4.24	4.88	4.03	4.40
Calcium	-	-	-	42.80	45.20	47.00	51.90	40.30	40.30	40.80	48.10	5.44	6.08	6.49	6.46
Carbonate	-	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bicarbonate	-	-	-	161	163	160	163	169	167	165	170	18.8	22.7	22.8	29.3
TDS	-	-	500	244	216	220	200	207	207	207	182	41	49	49	28

All results reported in mg/l (ppm)

1 Maximum Contaminant Levels

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

3 Federal Action Levels established for distribution systems.

Results in **bold italics** exceed a standard

J-Analyte was positively identified; the quantitation is estimated

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Spokane County Water Resources - Spokane Valley Rathdrum Prairie Aquifer Monitoring  
2010 Quarterly Results

Well Name		Barker Road Centennial Trail North, monitoring well				Barker Road Centennial Trail South, monitoring well				Mission & Barker monitoring well at CID 4					
WQMP Well ID		5508M01				5508M02				5517D05					
SampleID/Comment		5508M01	5508M01	5508M01	5508M01	5508M02	5508M02	5508M02	5508M02	5517D05	5517D05	5517D05	5517D05		
Quarter		1	2	3	4	1	2	3	4	1	2	3	4		
Sample Date		2/8/2010	5/10/2010	8/9/2010	11/15/2010	2/8/2010	5/10/2010	8/9/2010	11/15/2010	2/8/2010	5/10/2010	8/9/2010	11/15/2010		
Static Water Level (ft)		69.20	66.18	69.26	68.49	70.03	67.20	70.11	69.36	86.72	84.00	86.82	86.08		
Average Static Water Level (ft)		67.83	63.81	68.29	68.94	68.72	64.78	68.99	69.78	84.94	80.56	85.79	86.47		
Sample Depth (ft)		70	67.5	70	69.5	71	68.5	71	70.5	88	85	88	87		
Conductivity (µS/cm)		51.00	59.00	59.00	58.00	50	59.00	60.00	58.00	97.00	112.00	99.00	101.00		
Water Temperature (C°)		8.06	9.23	17.80	15.97	8.98	10.29	16.30	16.33	14.06	15.47	13.75	13.03		
pH		6.53	6.81	7.03	7.38	6.59	6.96	6.97	7.05	6.49	7.03	7.26	7.18		
Analytes	Washington Drinking Water Standards														
	MCL <sup>1</sup>	Trigger Level <sup>2</sup>	Secondary												
Phosphorus	-	-	-	0.007	0.008	0.012	0.010	0.006	0.007	0.010	0.009	0.003	0.005	0.004	0.004
Ortho-Phosphate	-	-	-	0.006	0.006	0.012	0.010	0.004	0.006	0.009	0.008	0.002	0.003	0.002	0.003
Nitrate+Nitrite	10	5	-	0.219	0.134	0.242	0.203	0.174	0.098	0.264	0.189	0.509	0.732	0.434	0.464
Arsenic	0.01	0.005	-	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	0.00120	<0.00100	0.00121
Lead <sup>3</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>3</sup>	1.3	-	-	<0.00100	<0.00100	<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	0.00036	<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	<0.00150	<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	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100
Chloride	-	250	250	1.31	1.34	1.40	1.51	1.33	1.33	1.34	1.50	1.56	1.87	1.76	1.86
Sodium	-	-	-	1.63	1.88	2.08	1.89	1.56	1.86	2.05	1.93	1.96	2.38	2.07	1.89
Zinc	-	5	5	0.03240	0.03510	0.02860	0.02880	0.00757	0.01510	0.01250	0.00507	<0.00500	<0.00500	<0.00500	<0.00500
Magnesium	-	-	-	1.60	1.66	1.80	1.80	1.53	1.66	1.84	1.77	3.58	3.82	3.76	3.87
Potassium	-	-	-	0.58	0.61	0.85	0.85	0.60	0.61	0.80	0.88	1.04	1.06	1.05	1.06
Iron	-	0.1	0.3	<0.060	<0.060	<0.060	<0.060	<0.060	<0.060	<0.060	<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	<0.00100	<0.00100
Sulfate	-	-	250	3.81	4.24	3.66	4.29	3.85	4.18	3.76	4.25	4.65	4.95	5.01	4.91
Calcium	-	-	-	5.41	5.87	6.42	6.51	5.23	5.88	6.45	6.38	10.60	11.80	11.10	11.90
Carbonate	-	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bicarbonate	-	-	-	18.2	19.2	25.4	26.5	17.7	21.1	23.1	19.9	42.4	43.9	42	47.1
TDS	-	-	500	24	66	48	38	27	45	45	29	55	86	68	53

All results reported in mg/l (ppm)

1 Maximum Contaminant Levels

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

3 Federal Action Levels established for distribution systems.

Results in **bold italics** exceed a standard

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Spokane County Water Resources - Spokane Valley Rathdrum Prairie Aquifer Monitoring  
2010 Quarterly Results

Well Name		Fire Station Houston & Regal, No. Spokane WD								Holy Cross, Rhoades & Washington monitoring well					
WQMP Well ID		6327N04								6330J01					
SampleID/Comment		6327N04	6327N04A duplicate	6327N04	6327N04A duplicate	6327N04	6327N04A duplicate	6327N04	6327N04A duplicate	6330J01	6330J01	6330J01	6330J01		
Quarter		1	1	2	2	3	3	4	4	1	2	3	4		
Sample Date		2/11/2010	2/11/2010	5/13/2010	5/13/2010	8/12/2010	8/12/2010	11/18/2010	11/18/2010	2/11/2010	5/13/2010	8/12/2010	11/18/2010		
Static Water Level (ft)		188.41		187.32		188.18		189.17		209.48	209.01	211.00	210.24		
Average Static Water Level (ft)		187.94		185.97		188.02		189.48		209.59	208.42	211.25	211.13		
Sample Depth (ft)		190		191		190		190.5		211	210.5	213	211.5		
Conductivity (µS/cm)		441.00		423.00		458.00		468.00		268.00	290.00	264.00	287.00		
Water Temperature (C°)		14.14		13.44		12.85		13.82		13.94	14.19	12.90	13.11		
pH		7.73		7.68		7.99		8.11		8.02	8.03	8.26	8.52		
Analytes	Washington Drinking Water Standards														
	MCL <sup>1</sup>	Trigger Level <sup>2</sup>	Secondary												
Phosphorus	-	-	-	0.003	0.003	0.005	0.004	0.003	0.002	0	0.005	0.003	0.004	0.003	0.005
Ortho-Phosphate	-	-	-	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.003	0.002	0.003
Nitrate+Nitrite	10	5	-	3.88	3.86	2.84	2.73	3.60	3.64	3.88	3.93	1.32	1.23	1.21	1.46
Arsenic	0.01	0.005	-	0.00118	0.00240	0.00180	0.00157	<0.00100	<0.00100	0.00133	0.00155	0.00317	0.00343	0.00256	0.00346
Lead <sup>3</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>3</sup>	1.3	-	-	<0.00100	<0.00100	<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	0.0002	<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	<0.00150	<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	<0.100	<0.100	0.129	0.139	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100
Chloride	-	250	250	18.40	17.90	11.50	10.60	13.60	14.80	13.40	14.40	4.15	3.97	4.28	5.59
Sodium	-	-	-	12.50	12.00	9.66	10.40	13.30	13.10	15.20	14.60	3.09	3.37	3.43	3.38
Zinc	-	5	5	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
Magnesium	-	-	-	24.10	23.90	22.50	24.80	26.90	26.40	25.70	25.10	14.60	14.90	14.90	15.70
Potassium	-	-	-	3.53	3.49	3.28	3.68	3.96	3.91	4.09	3.91	1.77	1.81	1.82	1.91
Iron	-	0.1	0.3	<0.060	<0.060	<0.060	<0.060	<0.060	<0.060	<0.060	<0.060	<0.060	<0.060	<0.060	<0.060
Manganese	-	0.05	0.05	<0.00100	<0.00100	<0.00100	<0.00100	0.00103	0.00111	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Sulfate	-	-	250	21.80	21.60	18.00	17.80	22.40	23.10	22.40	23.10	13.30	12.20	12.60	13.70
Calcium	-	-	-	38.10	37.90	32.70	36.40	42.00	41.50	41.70	40.60	27.40	27.20	28.10	29.50
Carbonate	-	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bicarbonate	-	-	-	177	177	171	174	189	192	178	185	125	125	122	124
TDS	-	-	500	245	247	238	224	247	247	240	234	151	176	126	158

All results reported in mg/l (ppm)

1 Maximum Contaminant Levels

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

3 Federal Action Levels established for distribution systems.

Results in **bold italics** exceed a standard

J-Analyte was positively identified; the quantitation is estimated

R-The data are rejected due to deficiencies in the ability to analyze the sample and meet QC criteria



Spokane County Water Resources - Spokane Valley Rathdrum Prairie Aquifer Monitoring  
2010 Quarterly Results

Well Name		Franklin Park, City monitoring well				East Valley High School monitoring well					
WQMP Well ID		6331J01				6436N01					
SampleID/Comment		6331J01	6331J01	6331J01	6331J01	6436N01	6436N01	6436N01	6436N01		
Quarter		1	2	3	4	1	2	3	4		
Sample Date		2/11/2010	5/12/2010	8/12/2010	11/18/2010	2/9/2010	5/11/2010	8/10/2010	11/16/2010		
Static Water Level (ft)		205.06	203.89	206.59	205.69	116.66	113.29	117.86	116.64		
Average Static Water Level (ft)		204.91	202.63	206.74	206.77	115.88	110.70	117.80	116.65		
Sample Depth (ft)		208.5	209	208.5	208.5	117.5	114.5	119	117.5		
Conductivity (µS/cm)		243.00	257.00	250.00	253.00	608.00	568.00	582.00	688.00		
Water Temperature (C°)		14.61	14.42	13.10	13.19	14.49	13.30	12.59	13.42		
pH		8.13	7.88	8.22	8.44	7.22	7.24	7.41	7.37		
Analytes	Washington Drinking Water Standards										
	MCL <sup>1</sup>	Trigger Level <sup>2</sup>	Secondary								
Phosphorus	-	-	-	0.004	0.004	0.005	0.007	0.052	0.046	0.060	0.054
Ortho-Phosphate	-	-	-	0.003	0.003	0.002	0.003	0.044	0.040	0.051	0.050
Nitrate+Nitrite	10	5	-	1.04	0.980	1.09	1.01	<b>6.10</b>	4.03	<b>5.30</b>	<b>7.20</b>
Arsenic	0.01	0.005	-	0.00319	0.00362	0.00316	0.00327	0.00221	0.00206	0.00152	0.00160
Lead <sup>3</sup>	0.015	-	-	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Copper <sup>3</sup>	1.3	-	-	<0.00100	<0.00100	<0.00100	<0.00100	0.00987	<0.00100	0.00101	<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	0.00227	<0.00150	<0.00150	0.0023	<0.00150	<0.00150	<0.00150
Fluoride	4	0.5	2	<0.100	<0.100	<0.100	<0.100	<0.100	0.127	<0.100	<0.100
Chloride	-	250	250	3.37	3.02	4.38	3.87	8.60	20.80	6.07	6.97
Sodium	-	-	-	2.78	2.75	3.08	3.01	6.91	7.45	9.57	8.75
Zinc	-	5	5	<0.00500	<0.00500	<0.00500	<0.00500	0.00534	<0.00500	<0.00500	<0.00500
Magnesium	-	-	-	12.70	11.70	13.60	13.30	33.80	28.00	32.10	38.10
Potassium	-	-	-	1.66	1.57	1.74	1.77	4.36	3.92	4.47	4.46
Iron	-	0.1	0.3	<0.060	<0.060	<0.060	<0.060	0.094	0.082	<0.060	<0.060
Manganese	-	0.05	0.05	<0.00100	<0.00100 <sup>J</sup>	<0.00100	<0.00100	0.00241	0.00217	0.00120	0.00189
Sulfate	-	-	250	11.00	11.40	11.00	11.80	18.00	14.80	16.40	18.70
Calcium	-	-	-	26.30	23.90	28.50	27.70	66.70	62.90	69.60	80.40
Carbonate	-	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bicarbonate	-	-	-	113	109	117	112	302	226	288	317
TDS	-	-	500	133	171	137	142	350	289	356	383

All results reported in mg/l (ppm)

1 Maximum Contaminant Levels

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

3 Federal Action Levels established for distribution systems.

Results in **bold italics** exceed a standard

J-Analyte was positively identified; the quantitation is estimated

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Spokane County Water Resources - Spokane Valley Rathdrum Prairie Aquifer Monitoring  
2010 Quarterly Results

Well Name		Idaho Road 1000 ft south of Trent, monitoring well								Idaho Road 300 ft south of pipeline, monitoring well					
WQMP Well ID		6524R01								6525R01					
SampleID/Comment		6524R01	6524R01A duplicate	6524R01	6524R01A duplicate	6524R01	6524R01A duplicate	6524R01	6524R01A duplicate	6525R01	6525R01	6625R01	6525R01		
Quarter		1	1	2	2	3	3	4	4	1	2	3	4		
Sample Date		2/8/2010	2/8/2010	5/10/2010	5/10/2010	8/9/2010	8/9/2010	11/15/2010	11/15/2010	2/8/2010	5/10/2010	8/9/2010	11/15/2010		
Static Water Level (ft)		128.86		128.05		128.70		128.05		107.11	106.16	106.82	106.17		
Average Static Water Level (ft)		127.94		125.98		127.50		128.59		106.01	103.34	105.35	106.18		
Sample Depth (ft)		130		129.5		130		129.5		108.5	107.5	108	107.5		
Conductivity (µS/cm)		295.00		325.00		304.00		313.00		303.00	327.00	305.00	317.00		
Water Temperature (C°)		10.81		11.78		10.98		10.58		10.28	10.66	10.75	9.53		
pH		7.69		7.56		7.78		7.96		7.73	7.56	7.60	7.84		
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	0.003	0.004	0.003	0.004	0.005	0.003
Ortho-Phosphate	-	-	-	0.002	0.002	0.003	0.002	0.003	0.003	0.002	0.002	0.001	0.002	0.002	0.001
Nitrate+Nitrite	10	5	-	2.24	2.24	2.48	2.50	2.54	2.52	2.28	2.23	1.03	1.060	1.040	0.956
Arsenic	0.01	0.005	-	0.00375	0.00294	0.00234	0.00233	0.00245	0.00207	0.00312	0.00314	0.00184	0.00205	0.00198	0.00287
Lead <sup>3</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>3</sup>	1.3	-	-	<0.00100	<0.00100	<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	<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	<0.00150	<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	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	0.112
Chloride	-	250	250	2.73	2.76	2.46	2.59	2.63	2.68	2.96	3.08	1.68	1.58	1.83	1.98
Sodium	-	-	-	3.27	3.31	3.41	3.35	3.36	3.27	3.14	3.17	2.91	2.95	2.97	2.80
Zinc	-	5	5	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
Magnesium	-	-	-	13.50	13.70	14.00	13.80	15.10	14.70	15.80	16.00	16.20	16.10	17.30	17.80
Potassium	-	-	-	1.98	2.02	1.89	1.85	1.97	1.89	2.06	2.09	1.87	1.75	1.84	1.91
Iron	-	0.1	0.3	<0.060	<0.060	<0.060	<0.060	<0.060	<0.060	<0.060	<0.060	<0.060	<0.060	0.076	0.099
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	0.00308	0.00224
Sulfate	-	-	250	9.79	9.84	9.48	9.89	10.20	10.30	10.10	10.60	16.20	14.30	15.80	17.00
Calcium	-	-	-	34.30	34.90	35.90	35.20	37.80	36.70	40.00	40.30	32.90	33.50	35.10	37.00
Carbonate	-	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bicarbonate	-	-	-	144	142	145	143	143	142	142	144	152	147	144	145
TDS	-	-	500	186	144	183	161	188	180	167	162	182	185	176	166

All results reported in mg/l (ppm)

1 Maximum Contaminant Levels

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

3 Federal Action Levels established for distribution systems.

Results in **bold italics** exceed a standard

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Spokane County Water Resources - Spokane Valley Rathdrum Prairie Aquifer Monitoring  
2010 Quarterly Results

Well Name		Idaho Road - East Farms monitoring well at CID11				I.E. COLD STORAGE				CITY of SPOKANE-Nevada					
WQMP Well ID		6631M07				5213B01				5308A02					
SampleID/Comment		6631M07	6631M07	6631M07	6631M07	5213B01	5213B01	5213B01	5213B01	5308A02	5308A02	5308A02	5308A02 #4		
Quarter		1	2	3	4	1	2	3	4	1	2	3	4		
Sample Date		2/8/2010	5/10/2010	8/9/2010	11/15/2010	1/26/2010	5/4/2010	7/27/2010	10/26/2010	1/26/2010	5/4/2010	7/27/2010	10/26/2010		
Static Water Level (ft)		118.09	117.01	117.76	117.03										
Average Static Water Level (ft)		116.99	114.31	116.55	117.16										
Sample Depth (ft)		119	118.5	119	118.5										
Conductivity (µS/cm)		263.00	295.00	274.00	281.00	339.00	324.00	287.00	252.00	233.00	219.00	165.00	172.00		
Water Temperature (C°)		13.61	15.53	14.00	14.22	11.50	12.25	11.89	11.62	11.84	11.46	11.79	11.02		
pH		7.60	7.44	6.80	8.28	7.12	7.92	6.58	7.63	7.42	7.81	7.41	7.09		
Analytes	Washington Drinking Water Standards														
	MCL <sup>1</sup>	Trigger Level <sup>2</sup>	Secondary												
Phosphorus	-	-	-	0.004	0.005	0.005	0.004	0.008	0.008	0.008	0.010	0.004	0.003	0.004	0.004
Ortho-Phosphate	-	-	-	0.003	0.004	0.004	0.003	0.008	0.007	0.007	0.009	0.001	0.003	0.003	0.004
Nitrate+Nitrite	10	5	-	1.52	1.70	1.71	1.56	2.34	1.94	1.84	2.06	1.16	1.00	1.04	1.07
Arsenic	0.01	0.005	-	0.00467	0.00459	0.00403	0.00469	0.00267	0.00256	0.00270	0.00261	0.00212	<0.00100	0.00182	0.00259
Lead <sup>3</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>3</sup>	1.3	-	-	<0.00100	<0.00100	<0.00100	<0.00100	0.00110	0.00123	0.00118	0.00111	<0.00100	0.00147	0.00108	0.00132
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	<0.00150	<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	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100
Chloride	-	250	250	3.53	3.44	3.89	4.05	20.40	18.30	17.50	19.30	4.78	4.04	3.75	4.49
Sodium	-	-	-	2.69	2.85	2.89	2.70	8.00	7.55	7.77	8.75	3.19	2.60	2.78	3.09
Zinc	-	5	5	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
Magnesium	-	-	-	12.80	13.40	14.40	14.80	12.60	12.40	11.40	12.50	9.81	9.30	9.84	10.30
Potassium	-	-	-	2.07	2.01	2.11	2.19	2.33	2.34	2.34	2.44	1.68	1.59	1.62	1.70
Iron	-	0.1	0.3	<0.060	<0.060	<0.060	<0.060	<0.060	<0.060	<0.060	<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	<0.00100	<0.00100
Sulfate	-	-	250	10.90	10.20	11.30	11.50	15.20	14.40	12.60	13.60	9.31	8.84	8.22	8.38
Calcium	-	-	-	28.80	30.80	32.20	33.30	38.20	37.60	34.10	38.90	29.10	26.70	26.00	28.90
Carbonate	-	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bicarbonate	-	-	-	124	126	128	123	131	129	113	120	112	105	99.1	103
TDS	-	-	500	122	192	172	149	210	165	180	181	155	126	121	131

All results reported in mg/l (ppm)

1 Maximum Contaminant Levels

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

3 Federal Action Levels established for distribution systems.

Results in **bold italics** exceed a standard

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Spokane County Water Resources - Spokane Valley Rathdrum Prairie Aquifer Monitoring  
2010 Quarterly Results

Well Name		ORCHARD AVE IRRIG DIST Site	CITY of SPOKANE-Ray				E. Spokane Water District - Well 3			E. SPKN WD, Site 1	PASADENA PARK #2					
WQMP Well ID		5312H01	5322F01				5324J01			5324G01	5405K01					
SampleID/Comment		5312H01	5322F01	5322F01	5322F01	5322F01 south	5324J01	5324J01	5324J01	5324G01	5405K01	5405K01	5405K01	5405K01		
Quarter		3	1	2	3	4	1	2	3	4	1	2	3	4		
Sample Date		7/27/2010	1/26/2010	5/4/2010	7/27/2010	10/26/2010	1/26/2010	5/4/2010	7/27/2010	10/26/2010	1/26/2010	5/4/2010	7/27/2010	10/26/2010		
Static Water Level (ft)																
Average Static Water Level (ft)																
Sample Depth (ft)																
Conductivity (µS/cm)		290.00	449	441	327	308	440	422.00	426.00	341.00	144.00	209.00	187.00	146.00		
Water Temperature (C°)		10.29	12.1	11.87	13.32	11.23	11.05	11.04	11.36	10.56	11.02	9.60	9.64	10.06		
pH		7.65	7.25	7.65	7.13	7.29	6.95	7.39	6.86	7.51	7.72	7.97	7.72	8.00		
Analytes	Washington Drinking Water Standards															
	MCL <sup>1</sup>	Trigger Level <sup>2</sup>	Secondary													
Phosphorus	-	-	-	0.017	0.0227713	0.0234175	0.0191626	0.033	0.080	0.069	0.082	0.021	0.007	0.007	0.006	0.008
Ortho-Phosphate	-	-	-	0.017	0.0201103	0.020353	0.0186846	0.022	0.075	0.065	0.081	0.020	0.007	0.006	0.006	0.007
Nitrate+Nitrite	10	5	-	2.31	4.11	3.74	2.73	3.22	4.85	3.94	4.56	3.73	1.75	1.86	1.72	1.030
Arsenic	0.01	0.005	-	0.00520	0.00367	0.00382	0.00456	0.00396	0.00183	0.00277	0.00180	0.00454	<0.00100	0.002	0.001	0.00148
Lead <sup>3</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	<0.00100
Copper <sup>3</sup>	1.3	-	-	<0.00100	<0.00100	<0.00100	<0.00100	0.00432	0.00289	0.00789	0.00729	0.00119	0.00151	0.00212	0.00142	0.00184
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	<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	<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	<0.00150	<0.00150	<0.00150
Fluoride	4	0.5	2	<0.100	<0.100	0.104	<0.100	<0.100	0.126	0.103	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100
Chloride	-	250	250	4.82	19.4	19.6	11.7	14.1	26.30	29.20	29.70	14.90	3.85	5.35	4.32	3.51
Sodium	-	-	-	4.15	10.5	10	6.96	8.76	13.50	12.30	14.20	9.44	3.71	3.73	3.83	4.36
Zinc	-	5	5	0.01200	0.00664	0.01750	0.01040	<0.00500	<0.00500	0.01030	0.01670	0.00691	0.00526	<0.00500	<0.00500	<0.00500
Magnesium	-	-	-	14.10	17.3	18	13.9	16.6	15.20	15.50	16.60	18.60	7.33	8.16	7.76	7.56
Potassium	-	-	-	2.16	2.91	3.1	2.48	2.81	2.64	2.68	2.91	3.10	1.88	1.96	1.92	2.01
Iron	-	0.1	0.3	<0.060	<0.060	<0.060	<0.060	<0.060	<0.060	<b>0.142</b>	<0.060	<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	0.00176	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Sulfate	-	-	250	12.00	18.10	18.10	12.20	14.80	17.20	15.70	15.60	16.90	9.32	9.77	8.97	8.97
Calcium	-	-	-	37.20	54.3	56.1	41.7	51.9	50.30	49.20	51.80	56.60	23.10	25.50	23.80	24.10
Carbonate	-	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bicarbonate	-	-	-	143	190	187	152	169	170	158	164	191	87.7	91.4	84.8	85.1
TDS	-	-	500	173	271	256	215	212	290	237	271	265	131	130	120	110

All results reported in mg/l (ppm)

1 Maximum Contaminant Levels

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

3 Federal Action Levels established for distribution systems.

Results in **bold italics** exceed a standard

J-Analyte was positively identified; the quantitation is estimated

R-The data are rejected due to deficiencies in the ability to analyze the sample and meet QC criteria

Spokane County Water Resources - Spokane Valley Rathdrum Prairie Aquifer Monitoring  
2010 Quarterly Results

Well Name		Orchard Ave Irrig Dist Site 2			MODERN ELECT WATER, Site 6				Mission Well, LIBERTY LAKE SEWER DIST				
WQMP Well ID		5407C01			5408N01				5515C01				
SampleID/Comment		5407C01	5407C01	5407C01	5408N01 #2	5408N01	5408N01	5408N01	5515C01	5515C01	5515C01		
Quarter		1	2	3	1	2	3	4	1	2	3		
Sample Date		1/26/2010	5/4/2010	10/26/2010	1/26/2010	5/4/2010	7/27/2010	10/26/2010	1/26/2010	7/27/2010	10/26/2010		
Static Water Level (ft)													
Average Static Water Level (ft)													
Sample Depth (ft)													
Conductivity (µS/cm)		259.00	305.00	227.00	251.00	245.00	172.00	194.00	245.00	265.00	187.00		
Water Temperature (C°)		15.33	11.70	9.40	10.61	11.46	10.43	10.41	11.03	12.00	12.48		
pH		8.02	8.04	7.65	7.77	7.79	7.84	8.07	7.97	7.92	8.36		
Analytes	Washington Drinking Water Standards												
	MCL <sup>1</sup>	Trigger Level <sup>2</sup>	Secondary										
Phosphorus	-	-	-	0.012	0.013	0.015	0.005	0.004	0.004	0.006	0.014	0.010	0.022
Ortho-Phosphate	-	-	-	0.012	0.013	0.014	0.004	0.003	0.003	0.004	0.014	0.009	0.015
Nitrate+Nitrite	10	5	-	0.92	0.64	1.95	1.41	1.23	1.36	1.35	1.42	1.34	1.10
Arsenic	0.01	0.005	-	0.00272	0.00332	0.00405	0.00236	0.00261	0.003	0.00258	0.002	0.00297	0.00312
Lead <sup>3</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>3</sup>	1.3	-	-	0.00241	0.00218	0.00104	<0.00100	<0.00100	<0.00100	0.00107	0.01760	0.00109	0.00124
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	<0.100	<0.100	0.103	<0.100	<0.100	<0.100	<0.100	<0.100
Chloride	-	250	250	3.85	4.29	4.47	3.14	3.54	3.62	3.65	4.43	4.11	4.23
Sodium	-	-	-	3.89	3.86	4.34	2.83	2.76	2.88	2.98	3.30	4.98	3.20
Zinc	-	5	5	<0.00500	<0.00500	0.00696	0.00759	<0.00500	<0.00500	<0.00500	0.01200	<0.00500	0.01050
Magnesium	-	-	-	12.90	14.10	15.10	12.20	12.80	13.20	13.10	10.70	11.90	10.90
Potassium	-	-	-	1.96	2.13	2.21	1.69	1.82	1.85	1.85	1.68	2.16	1.72
Iron	-	0.1	0.3	<0.060	<0.060	<0.060	<0.060	<0.060	<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	10.10	10.70	12.20	10.10	10.40	9.68	10.20	8.76	9.71	8.54
Calcium	-	-	-	31.50	33.30	38.20	27.70	29.30	29.60	30.00	28.90	35.80	29.80
Carbonate	-	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bicarbonate	-	-	-	138	133	144	121	121	119	120	117	135	108
TDS	-	-	500	166	155	182	155	148	142	140	169	162	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 Federal Action Levels established for distribution systems.

Results in **bold italics** exceed a standard

J-Analyte was positively identified; the quantitation is estimated

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Spokane County Water Resources - Spokane Valley Rathdrum Prairie Aquifer Monitoring  
2010 Quarterly Results

Well Name		Spokane Co Water Dist #3, Site 2-5, 26th & Vercler								CONSOLIDATED IRRIG DIST 19, Site 2A					
WQMP Well ID		5427L01								5518R01					
SampleID/Comment		5427L01	5427L01A duplicate	5427L01	5427L01A duplicate	5427L01	5427L01A duplicate	5427L01	5427L01A duplicate	5518R01	5518R01	5518R01	5518R01		
Quarter		1	1	2	2	3	3	4	4	1	2	3	4		
Sample Date		1/26/2010	1/26/2010	5/4/2010	5/4/2010	7/27/2010	7/27/2010	10/26/2010	10/26/2010	1/26/2010	5/4/2010	7/27/2010	10/26/2010		
Static Water Level (ft)															
Average Static Water Level (ft)															
Sample Depth (ft)															
Conductivity (µS/cm)		395.00		398.00		379.00		310.00		144.00	137.00	139.00	110.00		
Water Temperature (C°)		10.84		10.86		11.25		10.59		11.97	12.05	11.95	11.66		
pH		7.65		7.71		7.66		7.96		8.36	8.33	8.28	8.53		
Analytes	Washington Drinking Water Standards														
	MCL <sup>1</sup>	Trigger Level <sup>2</sup>	Secondary												
Phosphorus	-	-	-	0.006	0.006	0.006	0.007	0.006	0.005	0.008	0.007	0.004	0.003	0.002	0.004
Ortho-Phosphate	-	-	-	0.006	0.006	0.005	0.005	0.005	0.005	0.006	0.006	0.002	0.002	0.002	0.003
Nitrate+Nitrite	10	5	-	3.15	3.16	2.92	2.90	3.11	3.11	3.10	3.11	0.535	0.465	0.597	0.530
Arsenic	0.01	0.005	-	0.00384	0.00424	0.00437	0.00365	0.00389	0.00379	0.00447	0.00469	<0.00100	<0.00100	<0.00100	0.002
Lead <sup>3</sup>	0.015	-	-	<0.00100	<0.00100	0.00139	0.00149	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Copper <sup>3</sup>	1.3	-	-	<0.00100	0.00105	0.00267	0.00284	<0.00100	<0.00100	0.00114	<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	<0.00150	<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	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100
Chloride	-	250	250	7.38	7.40	9.09	9.11	8.39	8.38	9.09	9.14	2.81	2.87	3.01	2.89
Sodium	-	-	-	6.46	6.23	6.23	6.09	6.46	6.49	6.66	6.64	2.15	1.95	2.15	2.14
Zinc	-	5	5	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
Magnesium	-	-	-	17.00	16.40	18.40	17.90	18.30	18.40	18.70	18.70	4.55	4.57	4.99	4.63
Potassium	-	-	-	2.50	2.38	2.64	2.64	2.72	2.71	2.64	2.63	1.13	1.16	1.23	1.14
Iron	-	0.1	0.3	<0.060	<0.060	<0.060	<0.060	<0.060	<0.060	<0.060	<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	<0.00100	<0.00100
Sulfate	-	-	250	14.80	14.90	15.70	15.80	14.90	15.10	15.30	15.30	4.84	5.24	5.21	5.15
Calcium	-	-	-	47.10	45.40	50.30	50.30	49.90	49.80	51.90	51.90	18.80	18.70	19.00	19.80
Carbonate	-	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bicarbonate	-	-	-	189	188	190	190	185	185	185	187	68.1	64.3	67.2	62.9
TDS	-	-	500	245	235	228	234	228	244	237	230	117	95	89	85

All results reported in mg/l (ppm)

1 Maximum Contaminant Levels

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

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Spokane County Water Resources - Spokane Valley Rathdrum Prairie Aquifer Monitoring  
2010 Quarterly Results

Well Name		Spokane Fish Hatchery well					WHITWORTH WATER DIST. #2, Well 2A				NORTH SPOKANE IRRIG. DIST. # 4, Site 4					
WQMP Well ID		6211K01					6320D01				6328H01					
SampleID/Comment		6211K01	6211K01	6211K01	6211K01	6211K01A duplicate	6320D01	6320D01	6320D01	6320 D01	6328H01	6328H01	6328H01	6328H01		
Quarter		1	2	3	4	4	1	2	3	4	1	2	3	4		
Sample Date		2/9/2010	5/13/2010	8/12/2010	11/17/2010	11/17/2010	2/11/2010	5/13/2010	8/12/2010	11/17/2010	2/11/2010	5/13/2010	8/12/2010	11/17/2010		
Static Water Level (ft)																
Average Static Water Level (ft)																
Sample Depth (ft)																
Conductivity (µS/cm)		270.00	322.00	297.00	310.00		254.00	274.00	255.00	260.00	236.00	249.00	237.00	243.00		
Water Temperature (C°)		10.10	10.89	11.60	10.48		10.80	10.78	11.16	10.40	15.82	14.42	10.67	17.76		
pH			7.93		8.26		8.08	7.94	8.37	8.54	8.13	7.90	8.38	8.81		
Analytes	Washington Drinking Water Standards															
	MCL <sup>1</sup>	Trigger Level <sup>2</sup>	Secondary													
Phosphorus	-	-	-	0.005	0.005	0.005	0.006	0.006	0.004	0.004	0.003	0.006	0.004	0.005	0.004	0.005
Ortho-Phosphate	-	-	-	0.002	0.005	0.005	0.004	0.005	0.003	0.003	0.003	0.002	0.004	0.004	0.004	0.003
Nitrate+Nitrite	10	5	-	1.48	1.51	1.54	1.51	1.51	1.12	1.07	1.07	1.06	1.24	1.07	1.23	1.18
Arsenic	0.01	0.005	-	0.00320	0.00325	0.00245	0.00282	0.00386	0.00369	0.00357	0.00203	0.00387	0.00274	0.00266	<0.00100	0.00294
Lead <sup>3</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	<0.00100
Copper <sup>3</sup>	1.3	-	-	0.00115	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	0.00118	0.00159	0.00128	0.00131
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	<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	<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	<0.00150	<0.00150	<0.00150
Fluoride	4	0.5	2	<0.100	<0.100	<0.100	0.307	0.307	<0.100	<0.100	<0.100	0.300	<0.100	<0.100	<0.100	0.191
Chloride	-	250	250	5.95	5.86	6.09	6.79	6.78	3.43	3.42	3.34	3.56	6.83	5.78	6.52	6.17
Sodium	-	-	-	3.79	3.82	4.01	4.12	4.23	2.82	2.82	3.09	3.19	4.82	4.40	5.17	5.27
Zinc	-	5	5	0.00864	0.00639	<0.00500	0.00605	0.01900	0.00838	0.00681	0.00576	0.00550	<0.00500	0.01000	<0.00500	<0.00500
Magnesium	-	-	-	15.80	16.60	16.80	16.60	17.10	14.30	14.30	15.20	14.70	10.90	10.50	11.40	11.10
Potassium	-	-	-	2.04	2.10	2.12	2.22	2.28	1.75	1.76	1.85	1.94	2.16	2.04	2.16	2.33
Iron	-	0.1	0.3	<0.060	<0.060	<0.060	<0.060	<0.060	<0.060	<0.060	<0.060	<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	<0.00100	<0.00100	<0.00100
Sulfate	-	-	250	14.80	13.90	14.20	15.40	15.50	13.40	12.80	12.90	13.70	11.80	10.80	11.40	11.80
Calcium	-	-	-	30.00	30.60	31.80	31.60	32.60	26.10	25.40	27.60	26.80	25.40	24.10	26.30	25.80
Carbonate	-	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bicarbonate	-	-	-	136	139	139	136	135	120	120	116	117	101	101	104	101
TDS	-	-	500	174	186	171	169	164	144	171	139	130	131	155	174	120

All results reported in mg/l (ppm)

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Spokane County Water Resources - Spokane Valley Rathdrum Prairie Aquifer Monitoring  
2010 Quarterly Results

Well Name		CONSOLIDATED IRRIG DIST 19, Site 11B				MODERN ELECT WATER, Site 11				6th & Havana monitoring well (MW-2)					
WQMP Well ID		6631M04				5415E03				5323E01					
SampleID/Comment		6631M04	6631M04	6631M04	6631M04	5415E03	5415E03	5415E03 north well	5415E03 north well	5323E01	5323E01	5323E01	5323E01		
Quarter		1	2	3	4	1	2	3	4	1	2	3	4		
Sample Date		2/8/2010	5/10/2010	8/9/2010	11/15/2010	1/26/2010	5/4/2010	7/27/2010	10/26/2010	2/10/2010	5/12/2010	8/11/2010	11/17/2010		
Static Water Level (ft)										51.20	47.46	52.96	51.66		
Average Static Water Level (ft)										50.02	45.62	52.83	51.91		
Sample Depth (ft)										52	49	54	52.5		
Conductivity (µS/cm)		241.00		247.00	257.00	196.00	200.00	202.00	165.00	370.00	363.00	379.00	377.00		
Water Temperature (C°)		12.62		12.43	12.13	10.73	10.58	10.69	11.19	11.11	12.65	12.60	12.16		
pH		7.30		7.46	8.05	8.02	8.15	7.74	8.10	7.82	7.60	7.87	8.88		
Analytes	Washington Drinking Water Standards														
	MCL <sup>1</sup>	Trigger Level <sup>2</sup>	Secondary												
Phosphorus	-	-	-	0.004	0.005	0.005	0.004	0.005	0.004	0.006	0.004	0.011	0.012	0.012	0.012
Ortho-Phosphate	-	-	-	0.004	0.004	0.004	0.003	0.004	0.003	0.003	0.004	0.011	0.012	0.012	0.012
Nitrate+Nitrite	10	5	-	1.34	1.35	1.47	1.38	0.931	0.877	1.040	0.940	2.98	2.32	2.92	2.76
Arsenic	0.01	0.005	-	0.00467	0.00457	0.00405	<b>0.00537</b>	0.00335	0.00305	0.00330	0.00321	0.00327	0.00342	0.00231	0.00379
Lead <sup>3</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>3</sup>	1.3	-	-	0.00124	<0.00100	<0.00100	0.00147	<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	<0.00150	<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	<0.100	<0.100	<0.100	0.128	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100
Chloride	-	250	250	3.43	3.14	3.63	4.00	2.27	2.59	2.53	2.50	12.10	9.64	11.90	10.30
Sodium	-	-	-	2.69	2.70	2.81	2.61	2.34	2.18	2.40	2.56	8.09	6.20	7.54	7.47
Zinc	-	5	5	<0.00500	<0.00500	<0.00500	0.00582	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
Magnesium	-	-	-	12.10	12.00	13.20	13.60	9.48	9.96	10.70	11.10	15.80	12.60	15.50	15.10
Potassium	-	-	-	2.00	1.84	1.96	2.04	1.50	1.55	1.63	1.65	2.82	2.24	2.58	2.64
Iron	-	0.1	0.3	<0.060	<0.060	<0.060	<0.060	<0.060	<0.060	<0.060	<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 <sup>J</sup>	<0.00100	<0.00100
Sulfate	-	-	250	10.40	9.55	10.60	10.80	8.42	9.11	9.26	9.60	13.50	12.00	13.40	13.80
Calcium	-	-	-	26.50	26.80	28.70	29.80	22.40	23.20	24.60	26.20	46.40	36.70	45.80	44.70
Carbonate	-	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bicarbonate	-	-	-	112	114	112	112	94.6	96.4	99.7	98.8	165	148	163	160
TDS	-	-	500	111	156	157	137	124	102	108	111	215	235	214	221

All results reported in mg/l (ppm)

1 Maximum Contaminant Levels

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

3 Federal Action Levels established for distribution systems.

Results in **bold italics** exceed a standard

J-Analyte was positively identified; the quantitation is estimated

R-The data are rejected due to deficiencies in the ability to analyze the sample and meet QC criteria



Spokane County Water Resources - Spokane Valley Rathdrum Prairie Aquifer Monitoring  
2010 Quarterly Results

Well Name		New Balfour Park monitoring well							SPOKANE FISH HATCHERY, GRIFFITH SPR				Sullivan Spring		
WQMP Well ID		5417R02							6211J01s				5411R05s		
SampleID/Comment		5417R02	5417R02A duplicate	5417R02	5417R02A duplicate	5417R02	5417R02A duplicate	5417R02	6211J01s	6211J01s	6211J01s (pipe in reservoir broken day before sample)	6211J01s	Sullivan Spring		
Quarter		1	1	2	2	3	3	4	1	2	3	4	3		
Sample Date		2/9/2010	2/9/2010	5/11/2010	5/11/2010	8/10/2010	8/10/2010	11/15/2010	2/9/2010	5/13/2010	8/12/2010	11/17/2010	8/10/2010		
Static Water Level (ft)		71.65		69.01		72.36		72.11							
Average Static Water Level (ft)		71.65		66.86		72.295		72.09							
Sample Depth (ft)		72.5		70		73.5		73							
Conductivity (µS/cm)		199.00		215.00		196		218	313.00	355.00	350.00	338.00	239.00		
Water Temperature (C°)		14.21		13.97		13.7		13.03	11.00	10.84	11.20	10.37	11.12		
pH		8.00		7.87		7.96		7.88		7.73		8.22	7.91		
Analytes	Washington Drinking Water Standards														
	MCL <sup>1</sup>	Trigger Level <sup>2</sup>	Secondary												
Phosphorus	-	-	-	0.008	0.009	0.008	0.008	0.008	0.008	0.007	0.006	0.007	0.008	0.006	0.006
Ortho-Phosphate	-	-	-	0.008	0.008	0.007	0.007	0.007	0.007	0.007	0.004	0.006	0.005	0.005	0.005
Nitrate+Nitrite	10	5	-	0.88	0.88	1.050	1.060	0.921	0.923	0.943	1.70	1.67	1.74	1.73	0.94
Arsenic	0.01	0.005	-	0.00327	0.00218	0.00286	0.00379	0.00203	0.00215	0.00261	0.00297	0.00347	0.00217	0.00281	0.00206
Lead <sup>3</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>3</sup>	1.3	-	-	<0.00100	<0.00100	<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	<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	<0.00150	<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	<0.100	<0.100	<0.100	<0.100	0.102	<0.100	<0.100	<0.100	0.358	<0.100
Chloride	-	250	250	3.82	3.81	4.01	4.03	3.32	3.41	3.99	7.78	7.22	8.04	8.50	3.02
Sodium	-	-	-	2.54	2.59	3.03	3.15	2.68	2.52	2.65	4.30	4.19	4.63	4.78	3.13
Zinc	-	5	5	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
Magnesium	-	-	-	7.62	7.72	8.02	8.17	8.19	8.05	8.74	17.00	17.20	18.10	18.60	12.20
Potassium	-	-	-	1.49	1.52	1.52	1.56	1.57	1.53	1.65	2.22	2.21	2.39	2.46	1.86
Iron	-	0.1	0.3	<0.060	<0.060	<0.060	<0.060	<0.060	<0.060	<0.060	<0.060	<0.060	<0.060	<0.060	<0.060
Manganese	-	0.05	0.05	0.00141	0.00128	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	0.00425	<0.00100	<0.00100
Sulfate	-	-	250	6.69	6.71	6.87	6.89	6.57	6.67	7.36	16.00	14.60	15.30	16.50	11.00
Calcium	-	-	-	24.20	24.60	25.60	26.20	24.80	25.10	29.20	32.50	31.90	34.60	35.00	27.40
Carbonate	-	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bicarbonate	-	-	-	93.6	93.2	92.4	89.5	90.7	90.2	140	149	146	145	148	115
TDS	-	-	500	111	113	120	110	107	136	118	186	223	184	172	149

All results reported in mg/l (ppm)

1 Maximum Contaminant Levels

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

3 Federal Action Levels established for distribution systems.

Results in **bold italics** exceed a standard

J-Analyte was positively identified; the quantitation is estimated

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Spokane County Water Resources - Spokane Valley Rathdrum Prairie Aquifer Monitoring  
2010 Quarterly Results

Well Name		Three Springs				Waikiki Springs				Blank					
WQMP Well ID		5212F01s				6306P01s				Blank					
SampleID/Comment		5212F01s	5212F01s	5212F01s	5212F01s	6306P01s	6306P01s	6306P01s	6306P01s	BLANK	BLANK	BLANK	BLANK		
Quarter		1	2	3	4	1	2	3	4	1	2	3	4		
Sample Date		2/9/2010	5/13/2010	8/12/2010	11/17/2010	2/9/2010	5/13/2010	8/12/2010	11/17/2010	2/10/2010	5/12/2010	8/12/2010	11/18/2010		
Static Water Level (ft)															
Average Static Water Level (ft)															
Sample Depth (ft)															
Conductivity (µS/cm)		308.00	323.00	310.00	335.00	358.00	407.00	400.00	389.00						
Water Temperature (C°)		11.20	11.27	12.10	10.59	10.8	10.63	11.1	10.24						
pH			7.80		8.19		7.73		7.96						
Analytes	Washington Drinking Water Standards														
	MCL <sup>1</sup>	Trigger Level <sup>2</sup>	Secondary												
Phosphorus	-	-	-	0.005	0.006	0.005	0.006	0.004	0.004	0.003	0.004	<0.002	<0.002	<0.002	<0.002
Ortho-Phosphate	-	-	-	0.004	0.004	0.002	0.004	<0.001	0.004	0.002	0.002	<0.001	<0.001	<0.001	<0.001
Nitrate+Nitrite	10	5	-	2.08	2.00	1.90	2.53	2.93	2.98	3.18	3.28	<0.0500	<0.0500	<0.0500	<0.0500
Arsenic	0.01	0.005	-	0.00196	0.00289	0.00204	0.00328	0.00142	0.00219	0.00129	0.00192	<0.00100	<0.00100	<0.00100	<0.00100
Lead <sup>3</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>3</sup>	1.3	-	-	0.00156	0.00149	0.00125	0.00107	<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	<0.00150	<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	<0.100	0.106	<0.100	<0.100	0.104	0.386	<0.100	<0.100	<0.100	<0.100
Chloride	-	250	250	8.82	8.70	9.78	10.70	10.90	12.20	13.20	12.20	<0.20	<0.20	<0.20	<0.20
Sodium	-	-	-	5.70	5.65	5.36	5.99	6.37	6.03	7.59	8.03	<0.50	<0.50	<0.50	<0.50
Zinc	-	5	5	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.00607
Magnesium	-	-	-	12.60	12.60	12.60	14.00	19.90	21.50	21.50	22.50	<0.060	<0.060	<0.060	<0.060
Potassium	-	-	-	2.04	2.05	2.06	2.23	2.49	2.57	2.72	2.89	<0.50	<0.50	<0.50	<0.50
Iron	-	0.1	0.3	<0.060	<0.060	<0.060	<0.060	<0.060	<0.060	<0.060	<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	<0.00100	<0.00100
Sulfate	-	-	250	14.70	12.70	12.40	15.70	20.00	18.70	18.40	20.40	<0.30	<0.30	<0.30	<0.30
Calcium	-	-	-	34.80	34.20	34.90	38.80	34.80	36.50	37.20	39.10	0.06	<0.040	0.09	<0.040
Carbonate	-	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bicarbonate	-	-	-	135	130	125	133	159	157	147	161	<1.0	<1.0	<1.0	<1.0
TDS	-	-	500	175	197	169	186	193	252	200	203	<10	35	<10	11

All results reported in mg/l (ppm)

1 Maximum Contaminant Levels

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

3 Federal Action Levels established for distribution systems.

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Spokane County Water Resources - Spokane Valley Rathdrum Prairie Aquifer Monitoring  
2010 Quarterly Results

Well Name				Equipment Blank			
WQMP Well ID				Equipment Blank			
SampleID/Comment				EQUIPMEN T BLANK	EQUIPMEN T BLANK	EQUIPMEN T BLANK	EQUIPMEN T BLANK
Quarter				1	2	3	4
Sample Date				2/10/2010	5/12/2010	8/12/2010	11/18/2010
Static Water Level (ft)							
Average 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
Ortho-Phosphate	-	-	-	<0.001	<0.001	<0.001	<0.001
Nitrate+Nitrite	10	5	-	<0.0500	<0.0500	<0.0500	<0.0500
Arsenic	0.01	0.005	-	<0.00100	<0.00100	<0.00100	<0.00100
Lead <sup>3</sup>	0.015	-	-	<0.00100	<0.00100	<0.00100	<0.00100
Copper <sup>3</sup>	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	<0.100	<0.100
Chloride	-	250	250	<0.20	<0.20	<0.20	<0.20
Sodium	-	-	-	<0.50	<0.50	<0.50	<0.50
Zinc	-	5	5	<0.00500	<0.00500	<0.00500	<0.00500
Magnesium	-	-	-	<0.060	<0.060	<0.060	<0.060
Potassium	-	-	-	<0.50	<0.50	<0.50	<0.50
Iron	-	0.1	0.3	<0.060	<0.060	<0.060	<0.060
Manganese	-	0.05	0.05	<0.00100	<0.00100 <sup>J</sup>	<0.00100	<0.00100
Sulfate	-	-	250	<0.30	<0.30	<0.30	<0.30
Calcium	-	-	-	0.08	<0.040	0.10	0.04
Carbonate	-	-	-	<1.0	<1.0	<1.0	<1.0
Bicarbonate	-	-	-	<1.0	<1.0	<1.0	<1.0
TDS	-	-	500	<10	36	<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 Federal Action Levels established for distribution systems.

Results in **bold italics** exceed a standard

J-Analyte was positively identified; the quantitation is estimated

R-The data are rejected due to deficiencies in the ability to analyze the sample and meet QC criteria