

Spokane County Water Resources  
**Appendix B: Spokane Valley Rathdrum Prairie Aquifer Long Term Monitoring Program 2007 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	5304GO1	5304G01	5307H01	5307MO1	5307MO1	5307M01	5308H01	5308HO1	5308HO1	5308H01		
Quarter		1	2	3	4	1	2	3	4	1	2	3	4		
Sample Date		2/8/07	5/3/07	8/2/07	10/25/07	2/8/07	5/3/07	8/2/07	10/25/07	2/7/07	4/26/07	8/1/07	10/25/07		
Static Water Level (ft)		177.42	173.99	180.30	179.81	134.98	127.91	142.74	141.06	82.99	79.39	86.80	84.93		
Average Static Water Level (ft)		177.41	174.36	179.80	179.41	135.06	129.17	141.41	139.96	82.74	80.20	86.63	84.75		
Sample Depth (ft)		182.00	182.00	182.50	182.00	148.00	148.50	148.50	148.30	86.00	86.00	88.00	86.00		
Conductivity (µS/cm)		324	293	283	344	258	279	256	271	222	207	220	243		
Water Temperature (C°)		11.6	12.6	15.4	12.1	11.9	12.6	19.0	11.6	12.2	12.2	19.5	12.0		
pH		7.89	7.96	7.94	7.80	7.67	7.85	7.76	7.02	7.38	7.56	7.18	7.65		
Analytes	Washington Drinking Water Standards														
	MCL <sup>1</sup>	Trigger Level <sup>2</sup>	Secondary												
Chloride	-	250	250	8.04	5.45	5.14	7.98	5.56	5.17	5.97	5.90	2.84	4.09	5.22	5.00
Nitrate+Nitrite	10	5	-	1.43	1.35	1.17	2.05	1.18	1.33	1.16	1.29	0.91	0.91	0.93	1.17
Calcium	-	-	-	35.50	35.90	32.30	40.40	31.20	32.40	31.40	33.40	26.50	24.30	26.00	31.40
Sodium	-	-	-	5.08	5.01	6.03	5.90	3.60	3.80	3.54	3.81	2.98	2.79	2.91	3.43
Carbonate	-	-	-	<2.2	<2.99	<2	<2	<20	<2	<2	<2	<2	<2	<2	<2
Bicarbonate	-	-	-	142.0	130.0	105.0	148.0	123.0	114.0	114.0	117.0	64.7	89.7	94.5	112.0
TDS	-	-	500	191.0	161.0	169.0	205.0	161.0	154.0	146.0	146.0	133.0	108.0	117.0	138.0
Zinc	-	5	5	<0.01	<0.01	0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium	-	-	-	15.0	15.0	13.7	17.8	10.9	11.4	10.9	11.7	9.4	8.7	9.4	11.3
Potassium	-	-	-	2.0	2.0	2.0	2.4	1.7	1.8	1.7	2.0	1.7	1.6	1.5	1.9
Sulfate	-	-	250	12.4	11.4	38.3	16.8	10.6	9.9	10.4	11.4	8.4	7.6	8.7	10.7
Fluoride	4	0.5	2	0.100	<0.1	0.110	0.110	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ortho-Phosphate	-	-	-	0.005	0.003	0.002	0.004	0.005	0.004	<0.002	0.004	0.005	0.004	0.009	0.002
Arsenic	0.01	0.005	-	0.002	0.002	0.003	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.002	0.002
Cadmium	0.005	0.005	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chromium	0.1	0.02	-	<0.001	<0.001	0.00291	0.00548	<0.001	<0.001	0.00223	0.00288	<0.001	<0.001	<0.001	0.00201
Copper <sup>3</sup>	1.3	0.02	1	<0.001	<0.001	0.00122	0.00130	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.00110
Iron	-	0.1	0.3	<0.02	<0.02	0.03020	0.10900	<0.02	<0.02	<0.02	0.02270	<0.02	<0.02	<0.02	<0.02
Lead <sup>3</sup>	0.015	1	-	<0.001	<0.001	<0.001	<0.001	<0.001	0.00188	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese	-	0.05	0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Mercury	0.002	0.0004	-	<0.0005	<0.0002	<0.0002	<0.0002	<0.0005	<0.0002	<0.0002	<0.0002	<0.0005	<0.0002	<0.0002	<0.0002
Phosphorus	-	-	-	<0.02	<0.02	<0.06	0.007000	0.0223	<0.02	0.031300	<0.005	<0.02	<0.02	<0.06	<0.005

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 *italics* exceed the trigger level

Results in **bold italics** exceed the secondary standard

Spokane County Water Resources  
**Appendix B: Spokane Valley Rathdrum Prairie Aquifer Long Term Monitoring Program 2007 Results**

Well Name		monitoring well at SCC				Hale's Ale Nested Site, east				Hale's Ale Nested Site, mid						
WQMP Well ID		5310Q01				5311J05				5311J07						
SampleID/Comment		5310Q01	5310Q01	5310Q01	5310Q01	5311J05	5311J05	5311J05	5311J05	5311J07	5311J07	5311J07	5311J07a	5311J07		
Quarter		1	2	3	4	1	2	3	4	1	2	3	3	4		
Sample Date		2/7/07	4/26/07	8/1/07	10/23/07	2/7/07	4/26/07	8/1/07	10/23/07	2/7/07	4/26/07	8/1/07	8/1/07	10/23/07		
Static Water Level (ft)		37.87	32.85	40.64	39.46	65.50	60.55	68.79	67.40	65.54	60.60	68.85	68.85	67.47		
Average Static Water Level (ft)		35.65	33.41	40.71	38.80	63.32	59.09	68.14	66.73	63.36	58.93	67.95	67.95	66.77		
Sample Depth (ft)		41.00	41.00	41.50	40.50	66.50	63.00	70.00	68.50	105.00	105.00	105.00	105.00	105.00		
Conductivity (µS/cm)		236	268	212	223	332	332	328	311	327	323	314		314		
Water Temperature (C°)		12.3	12.7	15.9	12.2	11.1	12.4	17.1	12.3	11.0	12.1	15.2		11.8		
pH		7.89	8.05	8.00	7.88	7.95	7.99	7.83	7.89	8.01	8.04	7.93		7.84		
Analytes	Washington Drinking Water Standards															
	MCL <sup>1</sup>	Trigger Level <sup>2</sup>	Secondary													
Chloride	-	250	250	4.60	10.30	4.12	3.23	5.77	6.68	6.35	5.33	4.25	5.81	5.28	6.72	4.93
Nitrate+Nitrite	10	5	-	0.94	1.88	0.75	0.79	1.58	1.95	1.39	1.44	0.80	1.73	1.37	1.36	1.39
Calcium	-	-	-	28.60	32.80	25.70	26.80	38.30	38.00	37.30	38.10	37.30	37.90	37.00	36.60	37.10
Sodium	-	-	-	2.75	2.81	2.67	2.69	3.99	3.84	3.74	3.87	3.86	3.78	3.70	3.69	3.75
Carbonate	-	-	-	<2	<2	<2	<2	<2	<2	<2	2.19	<2	<2	<2	<2	2.12
Bicarbonate	-	-	-	99.7	110.0	104.0	76.6	52.0	152.0	149.0	150.0	146.0	152.0	154.0	154.0	153.0
TDS	-	-	500	149.0	157.0	120.0	133.0	186.0	194.0	204.0	183.0	184.0	191.0	180.0	198.0	172.0
Zinc	-	5	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.0
Magnesium	-	-	-	10.1	11.6	9.1	9.5	17.4	17.2	17.1	17.4	17.3	17.5	17.2	17.1	17.2
Potassium	-	-	-	1.7	1.8	1.5	1.8	2.2	2.1	2.0	2.3	2.1	2.1	2.0	2.0	2.3
Sulfate	-	-	250	8.2	11.0	7.8	8.2	14.2	14.7	15.2	15.5	14.4	14.6	15.3	15.7	15.5
Fluoride	4	0.5	2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ortho-Phosphate	-	-	-	0.005	0.002	0.010	0.003	0.007	0.004	0.007	0.006	0.010	0.005/0.027	0.004	0.007	0.005
Arsenic	0.01	0.005	-	0.003	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
Cadmium	0.005	0.005	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chromium	0.1	0.02	-	<0.001	<0.001	0.00169	<0.001	<0.001	<0.001	0.00161	<0.001	<0.001	<0.001	0.00132	0.00130	<0.001
Copper <sup>3</sup>	1.3	0.02	1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.00109
Iron	-	0.1	0.3	0.170	<b>0.459</b>	<b>0.712</b>	<b>0.589</b>	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Lead <sup>3</sup>	0.015	1	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese	-	0.05	0.05	<0.01	<0.01	0.02490	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Mercury	0.002	0.0004	-	<0.0005	<0.0002	<0.0002	<0.0002	<0.0005	<0.0002	<0.0002	<0.0002	<0.0005	<0.0002	<0.0002	<0.0002	<0.0002
Phosphorus	-	-	-	<0.02	<0.02	<0.06	<0.005	<0.02	<0.02	<0.06	0.007000	<0.02	<0.02	<0.06	0.076300	0.009000

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 *italics* exceed the trigger level

Results in **bold italics** exceed the secondary standard

Spokane County Water Resources  
**Appendix B: Spokane Valley Rathdrum Prairie Aquifer Long Term Monitoring Program 2007 Results**

Well Name		Felts Field City monitoring well					Olive & Fiske monitoring well				Third & Havana Nested Site, east					
WQMP Well ID		5312C01					5315L01				5322A01					
SampleID/Comment		5312C01	5312C01	5312C01	5312C01	5312C01a duplicate	5315L01	5315L01	5315L01	5315L01	5322A01	5322A01	5322A01	5323A01		
Quarter		1	2	3	4	4	1	2	3	4	1	2	3	4		
Sample Date		2/7/07	4/26/07	8/1/07	10/23/07	10/23/07	2/7/07	4/26/07	8/1/07	10/23/07	2/7/07	4/26/07	8/1/07	10/23/07		
Static Water Level (ft)		61.59	56.75	64.07	63.29		67.37	62.89	70.28	69.16	49.81	44.98	53.01	51.74		
Average Static Water Level (ft)		60.76	56.82	63.79	62.89		66.58	62.78	70.09	68.83	48.00	44.31	52.22	51.33		
Sample Depth (ft)		68.00	68.00	68.00	68.00		68.50	68.00	71.50	70.00	51.00	47.00	54.00	52.50		
Conductivity (µS/cm)		212	199	184	203		285	274	245	230	268	272	273	261		
Water Temperature (C°)		12.5	14.7	17.4	14.8		11.8	13.4	17.4	12.0	12.0	13.7	16.1	13.1		
pH		8.16	8.21	8.21	8.06		7.89	8.04	8.02	7.99	7.88	8.00	7.88	7.85		
Analytes	Washington Drinking Water Standards															
	MCL <sup>1</sup>	Trigger Level <sup>2</sup>	Secondary													
Chloride	-	250	250	2.66	2.51	3.30	3.32	3.46	18.60	17.00	9.65	4.54	7.23	7.88	7.18	6.04
Nitrate+Nitrite	10	5	-	1.41	0.79	0.92	1.19	1.18	1.00	1.42	0.93	1.02	0.14	1.69	1.31	1.40
Calcium	-	-	-	28.80	26.60	24.60	29.60	29.00	34.20	33.30	29.30	29.50	33.40	33.90	32.90	34.50
Sodium	-	-	-	3.81	3.38	3.26	3.58	3.53	3.55	3.46	3.11	3.24	4.79	4.91	4.31	4.55
Carbonate	-	-	-	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Bicarbonate	-	-	-	96.8	91.9	89.1	98.3	98.2	107.0	109.0	104.0	109.0	117.0	119.0	124.0	101.0
TDS	-	-	500	134.0	113.0	104.0	115.0	126.0	162.0	157.0	145.0	144.0	156.0	156.0	161.0	162.0
Zinc	-	5	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium	-	-	-	7.8	7.1	6.6	8.0	7.9	11.6	11.2	10.0	10.1	10.9	11.0	11.0	11.6
Potassium	-	-	-	1.6	1.5	1.4	1.7	1.6	1.8	1.9	1.7	1.8	1.9	2.0	1.8	2.1
Sulfate	-	-	250	9.7	7.3	7.8	10.6	10.7	8.8	9.2	8.0	9.3	9.0	9.0	8.9	9.7
Fluoride	4	0.5	2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ortho-Phosphate	-	-	-	0.022	0.017	0.015	0.016	0.014	0.006	0.004	0.006	0.005	0.011	<i>0.014</i>	0.008	0.008
Arsenic	0.01	0.005	-	<i>0.006</i>	<i>0.007</i>	<i>0.007</i>	<i>0.006</i>	<i>0.007</i>	0.002	0.002	0.002	0.002	0.003	0.003	0.002	0.002
Cadmium	0.005	0.005	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chromium	0.1	0.02	-	<0.001	<0.001	0.00122	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.00101	0.00559
Copper <sup>3</sup>	1.3	0.02	1	0.00211	0.00160	<0.001	0.00209	0.00201	<0.001	<0.001	<0.001	<0.001	<0.001	0.00100	<0.001	<0.001
Iron	-	0.1	0.3	0.02750	<0.02	<0.02	<0.02	<0.02	0.02690	0.03870	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Lead <sup>3</sup>	0.015	1	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.00141	<0.001	<0.001
Manganese	-	0.05	0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Mercury	0.002	0.0004	-	<0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0002	<0.0002	<0.0002	<0.0005	<0.0002	<0.0002	<0.0002
Phosphorus	-	-	-	0.026000	<0.02	0.044400	0.023000	0.039000	<0.02	<0.02	<0.06	0.012000	0.018600	<0.02	<0.06	0.019000

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 *italics* exceed the trigger level

Results in ***bold italics*** exceed the secondary standard

Spokane County Water Resources  
**Appendix B: Spokane Valley Rathdrum Prairie Aquifer Long Term Monitoring Program 2007 Results**

Well Name		Third & Havana Nested Site, mid				Plantess Ferry Park monitoring well					monitoring well Frederick & Bowdish					
WQMP Well ID		5322A03				5404A01					5409C02					
SampleID/Comment		5322A03	5322A03	5322A03	5323A03	5404A01	5404A01A duplicate	5404A01	5404A01	5404A01	5409C02	5409C02	5409C02	5409C02		
Quarter		1	2	3	4	1.000	1	2	3	4	1	2	3	4		
Sample Date		2/7/07	4/26/07	8/1/07	10/23/07	2/7/2007	2/7/07	4/26/07	7/31/07	10/24/07	2/7/07	4/26/07	7/31/07	10/24/07		
Static Water Level (ft)		49.76	44.94	52.97	51.70	47.28		44.34	50.21	49.99	91.36	86.90	93.33	93.24		
Average Static Water Level (ft)		48.04	44.29	52.15	51.26	47.28		44.34	50.33	49.56	90.70	87.52	93.17	93.00		
Sample Depth (ft)		90.00	90.00	90.00	90.00	109.50		109.50	110.50	109.50	92.50	88.00	94.00	94.50		
Conductivity (µS/cm)		276	274	274	260	318		309	312	310	282	285	290	311		
Water Temperature (C°)		12.1	13.9	16.8	13.7	13.20		14.1		13.7	11.3	11.9	17.1	10.9		
pH		8.01	8.08	7.93	7.96	6.96		7.02		6.80	7.91	8.18	7.23	7.84		
Analytes	Washington Drinking Water Standards															
	MCL <sup>1</sup>	Trigger Level <sup>2</sup>	Secondary													
Chloride	-	250	250	7.15	8.61	7.99	6.83	2.64	2.84	2.54	2.60	2.48	3.13	3.47	4.13	3.45
Nitrate+Nitrite	10	5	-	1.42	1.73	1.40	1.44	<0.001	<0.01	0.02	0.10	0.01	1.38	1.60	1.34	1.59
Calcium	-	-	-	33.80	33.50	33.90	34.40	25.50	25.70	25.60	27.30	27.00	35.50	34.70	36.00	37.40
Sodium	-	-	-	5.09	4.99	4.58	4.84	12.90	12.90	11.30	11.20	11.30	3.67	3.48	3.48	3.69
Carbonate	-	-	-	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Bicarbonate	-	-	-	115.0	119.0	129.0	93.7	135.00	130.0	130.0	132.0	145.0	134.0	129.0	136.0	143.0
TDS	-	-	500	160.0	155.0	145.0	163.0	222.00	221.0	207.0	221.0	208.0	163.0	166.0	164.0	173.0
Zinc	-	5	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01		<0.01
Magnesium	-	-	-	11.5	11.2	11.4	11.7	13.20	13.3	13.3	12.9	13.5	13.2	12.8	13.5	14.0
Potassium	-	-	-	2.0	2.0	1.9	2.1	5.09	5.1	5.0	5.2	5.5	1.9	1.9	1.8	2.1
Sulfate	-		250	9.2	9.4	9.1	9.8	19.30	19.5	18.2	21.1	25.0	10.9	10.0	11.5	12.0
Fluoride	4	0.5	2	<0.1	<0.1	<0.1	<0.1	0.32	0.329	0.311	0.270	0.300	<0.1	<0.1	<0.1	<0.1
Ortho-Phosphate	-	-	-	0.011	0.008	0.008	0.008	0.04	0.027	0.007/0.008	0.242	0.187	0.012	0.007	0.005	<0.002
Arsenic	0.01	0.005	-	0.002	0.003	0.002	0.003	<0.001	<0.001	<0.001	<0.001	0.001	<i>0.005</i>	<i>0.005</i>	0.004	<i>0.005</i>
Cadmium	0.005	0.005	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chromium	0.1	0.02	-	<0.001	<0.001	0.00111	0.00109	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.00129	0.00102
Copper <sup>3</sup>	1.3	0.02	1	<0.001	0.00350	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Iron	-	0.1	0.3	<0.02	<0.02	<0.02	<0.02	<b>7.38</b>	<b>7.37</b>	<b>6.92</b>	<b>6.30</b>	<b>6.08</b>	0.23600	<b>0.30600</b>	0.06040	0.0385
Lead <sup>3</sup>	0.015	1	-	<0.001	0.00156	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese	-	0.05	0.05	<0.01	<0.01	<0.01	<0.01	<b>0.41</b>	<b>0.44700</b>	<b>0.42900</b>	<b>0.38200</b>	<b>0.35900</b>	0.01000	<0.01	<0.01	<0.01
Mercury	0.002	0.0004	-	<0.0005	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0002	<0.0002	<0.0002	<0.0005	<0.0002	<0.0002	<0.0002
Phosphorus	-	-	-	<0.02	<0.02	<0.06	0.016000	0.29	0.292000	0.285000	0.320000	0.280000	0.031500	<0.02	<0.06	0.009

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 *italics* exceed the trigger level

Results in **bold italics** exceed the secondary standard

Spokane County Water Resources  
**Appendix B: Spokane Valley Rathdrum Prairie Aquifer Long Term Monitoring Program 2007 Results**

Well Name		Sullivan Park North, monitoring well				Sullivan Park South, monitoring well					Sullivan Road and Centennial Trail, monitoring well					
WQMP Well ID		5411R02				5411R03					5411R04					
SampleID/Comment		5411R02	5411R02	5411R02 check w/Rob	5411R02	5411R03	5411R03A duplicate	5411R03	5411R03 check w/Rob	5411R03	5411R04	5411R04	5411R04	5411R04		
Quarter		1	2	3	4	1	1	2	3	4	1	2	3	4		
Sample Date		2/6/07	4/25/07	7/31/07	10/24/07	2/6/07	2/6/07	4/25/07	7/31/07	10/24/07	2/6/07	4/25/07	7/31/07	10/24/07		
Static Water Level (ft)		33.27	27.15		34.95	32.51		26.67		34.18	54.12	48.49	57.13	55.79		
Average Static Water Level (ft)		30.84	26.33	33.92	34.44	30.51		25.34	33.18	33.65	52.98	48.65	55.04	55.38		
Sample Depth (ft)		34.50	28.00		36.00	33.50		27.00		35.00	55.00	49.50	59.00	57.00		
Conductivity (µS/cm)		235	201		236	238		201		228	223	195		249		
Water Temperature (C°)		10.5	12.3		13.2	10.6		11.9		13.8	11.5	9.6		13.8		
pH		7.83	7.89		7.96	7.99		8.03		7.98	7.94	8.08		7.95		
Analytes	Washington Drinking Water Standards															
	MCL <sup>1</sup>	Trigger Level <sup>2</sup>	Secondary													
Chloride	-	250	250	2.56	3.47	2.63	2.38	2.34	2.41	3.29	2.62	2.35	2.84	2.75	2.80	2.15
Nitrate+Nitrite	10	5	-	0.84	0.84	0.75	0.93	0.84	0.84	0.86	0.71	0.98	0.83	0.83	0.80	0.99
Calcium	-	-	-	26.30	22.30	26.40	27.70	27.40	26.90	23.00	26.90	28.10	25.60	22.40	26.10	31.20
Sodium	-	-	-	2.64	2.81	2.64	2.60	2.72	2.67	2.72	2.62	2.61	2.59	2.64	2.50	2.90
Carbonate	-	-	-	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Bicarbonate	-	-	-	107.0	92.1	102.0	113.0	107.0	107.0	94.5	107.0	111.0	99.6	89.5	109.0	121.0
TDS	-	-	500	140.0	146.0	133.0	134.0	128.0	136.0	138.0	150.0	126.0	134.0	127.0	129.0	143.0
Zinc	-	5	5	<0.01	0.0	<0.01	<0.01	<0.01	<0.01	0.0	<0.01	<0.01	<0.01	0.0	<0.01	<0.01
Magnesium	-	-	-	11.5	9.5	11.4	12.2	12.0	11.8	9.9	11.7	12.4	11.4	10.0	11.6	14.0
Potassium	-	-	-	1.5	1.4	1.7	1.8	1.6	1.5	1.5	1.7	1.8	1.5	1.4	1.6	1.9
Sulfate	-	-	250	11.0	9.1	10.4	11.5	11.1	11.0	8.9	11.1	11.5	10.6	8.8	11.4	12.3
Fluoride	4	0.5	2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ortho-Phosphate	-	-	-	0.009	0.026	0.009	0.004	0.006	0.005	0.004/0.005	0.009	0.007	0.012	0.006	0.006	0.003
Arsenic	0.01	0.005	-	0.003	0.003	0.003	0.002	0.002	0.003	0.003	0.002	0.002	0.002	0.001	0.002	0.002
Cadmium	0.005	0.005	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chromium	0.1	0.02	-	<0.001	0.00112	<0.001	0.00129	<0.001	<0.001	<0.001	<0.001	0.00120	<0.001	<0.001	0.00113	0.00634
Copper <sup>3</sup>	1.3	0.02	1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Iron	-	0.1	0.3	<0.02	0.02270	<0.02	<0.02	0.02210	<0.02	<0.02	<0.02	<0.02	0.09150	0.03970	<0.02	0.05820
Lead <sup>3</sup>	0.015	1	-	<0.001	0.00184	<0.001	<0.001	<0.001	<0.001	0.00146	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese	-	0.05	0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Mercury	0.002	0.0004	-	<0.0005	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0002	<0.0002	<0.0002	<0.0005	<0.0002	<0.0002	<0.0002
Phosphorus	-	-	-	<0.02	<0.02	<0.06	0.009000	<0.02	<0.02	<0.02	<0.06	0.010000	<0.02	<0.02	<0.06	0.014000

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 *italics* exceed the trigger level

Results in ***bold italics*** exceed the secondary standard

Spokane County Water Resources  
**Appendix B: Spokane Valley Rathdrum Prairie Aquifer Long Term Monitoring Program 2007 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		2/6/07	4/25/07	7/30/07	10/22/07	2/6/07	4/25/07	7/30/07	10/22/07	2/6/07	4/25/07	7/30/07	10/22/07		
Static Water Level (ft)		93.82	89.43	95.72	94.87	70.94	66.35	73.04	72.04	49.53	44.81	51.51	50.43		
Average Static Water Level (ft)		93.45	90.48	94.53	95.10	70.58	66.96	71.28	72.11	49.59	45.35	49.58	50.59		
Sample Depth (ft)		95.00	90.50	97.00	96.00	72.00	67.50	74.00	73.00	50.50	46.00	52.50	51.50		
Conductivity (µS/cm)		356	353	355	350	346	342	336	354	52	55	64	51		
Water Temperature (C°)		11.7	12.0	21.9	11.8	11.0	11.4	21.4	11.1	7.1	8.3	23.4	14.6		
pH		7.78	7.91	7.76	7.84	7.72	7.85	7.70	7.71	7.72	7.79	7.06	7.16		
Analytes	Washington Drinking Water Standards														
	MCL <sup>1</sup>	Trigger Level <sup>2</sup>	Secondary												
Chloride	-	250	250	4.30	5.32	5.82	4.95	2.01	2.24	2.67	2.22	1.82	2.00	2.35	1.34
Nitrate+Nitrite	10	5	-	2.94	3.00	2.71	2.86	1.27	1.47	1.22	1.36	0.22	0.30	0.17	0.13
Calcium	-	-	-	46.20	47.10	47.50	48.20	42.50	41.60	42.90	43.70	5.83	6.00	6.84	6.01
Sodium	-	-	-	5.88	5.93	5.81	5.98	3.14	3.02	3.20	3.11	1.72	2.08	2.15	1.87
Carbonate	-	-	-	<2	<2	<2	<2	<2	<2	<2	2.00	<2	<2	<2	<5.71
Bicarbonate	-	-	-	167.0	162.0	163.0	163.0	169.0	169.0	168.0	173.0	20.0	20.0	24.9	28.4
TDS	-	-	500	191.0	236.0	230.0	208.0	168.0	219.0	223.0	199.0	43.0	51.0	65.6	40.0
Zinc	-	5	5	<0.01	0.0	0.0	<0.01	<0.01	0.0	0.0	<0.01	0.0	0.0	0.0	0.0
Magnesium	-	-	-	13.8	14.2	14.0	14.2	18.4	17.9	18.5	19.0	1.8	1.9	2.0	1.8
Potassium	-	-	-	2.4	2.4	2.3	2.6	2.0	2.1	2.0	2.2	0.5	0.6	0.9	0.8
Sulfate	-	-	250	11.0	11.2	11.9	11.8	15.9	15.4	16.8	16.6	4.4	3.8	3.6	4.0
Fluoride	4	0.5	2	<0.1	0.102	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ortho-Phosphate	-	-	-	0.015	0.011	0.013	0.009	0.005	0.003/0.004	0.004	<0.002	0.009	0.010	0.012	0.005
Arsenic	0.01	0.005	-	<i>0.005</i>	<i>0.005</i>	0.004	<i>0.005</i>	0.002	0.002	0.002	0.002	<0.001	<0.001	<0.001	<0.001
Cadmium	0.005	0.005	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chromium	0.1	0.02	-	<0.001	<0.001	0.00279	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.00137	<0.001
Copper <sup>3</sup>	1.3	0.02	1	<0.001	<0.001	<0.001	0.00112	<0.001	<0.001	<0.001	0.00101	<0.001	<0.001	<0.001	0.00122
Iron	-	0.1	0.3	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.05750	0.04350	0.03570	0.02310
Lead <sup>3</sup>	0.015	1	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.00183	<0.001	<0.001
Manganese	-	0.05	0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Mercury	0.002	0.0004	-	<0.0005	<0.0002	<0.0002	<0.0002	<0.0005	<0.0002	<0.0002	<0.0002	<0.0005	<0.0002	<0.0002	<0.0002
Phosphorus	-	-	-	0.019	0.020	<0.06	0.025	<0.02	<0.02	<0.06	0.010000	<0.02	<0.02	<0.06	0.012000

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 *italics* exceed the trigger level

Results in **bold italics** exceed the secondary standard

Spokane County Water Resources  
**Appendix B: Spokane Valley Rathdrum Prairie Aquifer Long Term Monitoring Program 2007 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	5508M01a duplicate	5508M01	5508M02	5508M02	5508M02	5508M02	5508M02a duplicate	5517D05	5517D05	5517D05a	5517D05	5517D05		
Quarter		1	2	3	3	4	1	2	3	4	4	1	2	2	3	4		
Sample Date		2/6/07	4/25/07	7/30/07	7/30/07	10/22/07	2/6/07	4/25/07	8/6/07	10/22/07	10/22/07	2/6/07	4/25/07	4/25/07	8/6/07	10/22/07		
Static Water Level (ft)		67.97	63.25	70.04	70.04	69.00	68.77	64.11	71.36	69.84	69.84	85.39	80.80		88.08	86.54		
Average Static Water Level (ft)		67.74	63.83	68.33	68.33	69.15	68.65	64.78	69.00	69.68	69.68	84.78	80.34		85.82	86.65		
Sample Depth (ft)		69.00	64.00	71.00	71.00	70.00	70.00	65.00	73.00	71.00		86.50	82.00		89.00	87.57		
Conductivity (µS/cm)		49	48	61		56	50	50	56	58	60	94	107		65	101		
Water Temperature (C°)		9.5	7.9	25.3		17.2	9.9	8.4	17.7	16.7		14.4	14.8		17.3	13.2		
pH		7.46	7.67	7.03		6.86	7.46	7.58	7.39	6.92		7.30	7.47		7.24	7.27		
Analytes	Washington Drinking Water Standards																	
	MCL <sup>1</sup>	Trigger Level <sup>2</sup>	Secondary															
Chloride	-	250	250	1.39	1.74	2.31	2.22	1.50	1.26	1.75	2.13	1.52	1.50	2.59	1.82	1.86	2.28	2.11
Nitrate+Nitrite	10	5	-	0.16	0.15	0.13	0.13	0.15	0.15	0.15	0.19	0.19	0.18	0.40	0.69	0.70	0.38	0.57
Calcium	-	-	-	5.68	5.49	6.36	6.30	6.22	5.64	5.82	6.51	6.82	6.62	11.00	12.20	12.50	11.70	11.00
Sodium	-	-	-	1.61	1.60	2.02	2.01	1.96	1.59	1.55	2.07	2.15	2.10	1.97	2.00	2.06	1.93	1.78
Carbonate	-	-	-	<2	<2	<2	<2	<2	<2	<2	<2	<6.67	<2	<2	<2	<2	<2	<2
Bicarbonate	-	-	-	20.0	22.5	25.0	25.0	24.9	25.0	20.0	25.0	16.6	24.9	40.0	47.4	44.9	44.9	49.8
TDS	-	-	500	36.0	51.0	57.0	56.0	39.0	43.0	51.0	25.4	34.0	38.0	68.0	87.0	<b>896.0</b>	57.7	65.4
Zinc	-	5	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	<0.01	0.0	0.0	0.0	<0.01
Magnesium	-	-	-	1.7	1.7	1.8	1.8	1.8	1.7	2.0	1.9	1.9	1.9	3.8	4.3	4.4	4.1	3.7
Potassium	-	-	-	0.6	0.5	0.8	0.7	0.9	0.6	0.8	0.8	0.9	0.9	1.0	1.1	1.1	1.0	1.0
Sulfate	-		250	4.2	3.7	3.7	3.9	4.0	4.2	4.0	3.5	4.0	3.9	4.9	4.9	5.0	4.8	5.0
Fluoride	4	0.5	2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ortho-Phosphate	-	-	-	0.010	0.007	0.011	0.011	0.006	0.011	0.021/0.007	0.004	0.005	0.005	0.005	0.004	0.004	0.003	<0.002
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	<0.001	<0.001	<0.001	<0.001	<0.001
Cadmium	0.005	0.005	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chromium	0.1	0.02	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.00109	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.00144	<0.001
Copper <sup>3</sup>	1.3	0.02	1	<0.001	<0.001	<0.001	<0.001	0.00123	<0.001	0.00163	<0.001	0.00107	<i>0.03170</i>	<0.001	<0.001	<0.001	<0.001	<0.001
Iron	-	0.1	0.3	<0.02	<0.02	<0.02	<0.02	<0.02	0.02840	<b>0.67200</b>	<0.02	0.03260	<0.02	0.04560	<0.02	<0.02	<0.02	<0.02
Lead <sup>3</sup>	0.015	1	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.00207	<0.001	<0.001	<0.001
Manganese	-	0.05	0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01750	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Mercury	0.002	0.0004	-	<0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0002	<0.0002	<0.0002	<0.0002
Phosphorus	-	-	-	<0.02	<0.02	<0.06	<0.06	0.028000	<0.02	0.020200	0.164000	0.020000	0.019000	<0.02	<0.02	<0.02	0.064600	0.017000

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 *italics* exceed the trigger level

Results in **bold italics** exceed the secondary standard

Spokane County Water Resources  
**Appendix B: Spokane Valley Rathdrum Prairie Aquifer Long Term Monitoring Program 2007 Results**

Well Name		Fire Station Houston & Regal, No. Spokane WD				Holy Cross, Rhoades & Washington monitoring well						Franklin Park, City monitoring well					
WQMP Well ID		6327N04				6330J01						6331J01					
SampleID/Comment		6327N04	6327N04	6327N04	6327N04	6330J01	6330J01A duplicate	6330J01	6330J01 a duplicate	6330J01	6330J01	6331J01	6331J01	6331J01	6331J01		
Quarter		1	2	3	4	1	1	2	2	3	4	1	2	3	4		
Sample Date		2/8/07	5/3/07	8/2/07	10/25/07	2/8/07	2/8/07	5/3/07	5/3/07	8/2/07	10/25/07	2/8/07	5/3/07	8/2/07	10/25/07		
Static Water Level (ft)		187.29	184.50	188.67	190.02	208.45		207.23		211.88	212.45	204.10	201.84	207.40	207.05		
Average Static Water Level (ft)		187.87	185.94	188.15	189.65	209.71		208.44		211.45	211.34	204.98	202.66	206.90	207.00		
Sample Depth (ft)		189.00	186.00	190.00	192.00	210.00		210.00		214.00	214.00	208.50	208.50	210.00	208.50		
Conductivity (µS/cm)		381	372	415	426	273		270		257	260	256	242	244	240		
Water Temperature (C°)		11.6	13.4	17.0	13.7	11.5		13.7		16.2	13.5	11.8	13.2	17.7	13.0		
pH		7.84	7.99	7.75	7.78	7.99		8.14		7.99	8.05	8.08	8.17	8.02	7.96		
Analytes	Washington Drinking Water Standards																
	MCL <sup>1</sup>	Trigger Level <sup>2</sup>	Secondary														
Chloride	-	250	250	13.40	10.00	16.60	14.30	4.74	4.78	3.98	3.97	3.53	4.86	5.90	3.71	3.60	3.11
Nitrate+Nitrite	10	5	-	2.82	2.58	2.06	3.36	1.20	1.21	1.32	1.31	1.01	1.02	1.03	1.08	0.93	1.42
Calcium	-	-	-	33.10	35.20	35.50	38.90	28.80	28.90	30.20	29.70	26.50	29.50	28.40	27.40	25.70	26.90
Sodium	-	-	-	11.10	9.67	11.50	13.20	3.44	3.44	3.82	3.74	3.09	3.31	3.10	3.05	2.80	2.93
Carbonate	-	-	-	<2	<4.65	<2	2.15	<2	<2	<2	<2	<2	<2	<2.2	<5.71	<2	<2
Bicarbonate	-	-	-	164.0	161.0	179.0	190.0	127.0	122.0	124.0	124.0	119.0	118.0	123.0	113.0	109.0	111.0
TDS	-	-	500	231.0	215.0	238.0	248.0	175.0	162.0	155.0	142.0	148.0	154.0	162.0	136.0	137.0	141.0
Zinc	-	5	5	<0.01	<0.01	0.2	<0.01	<0.01	<0.01	<0.01	<0.01	0.0	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium	-	-	-	23.3	22.8	24.7	25.5	15.6	15.6	16.6	16.2	14.3	15.9	14.0	13.5	12.7	13.2
Potassium	-	-	-	3.5	3.3	3.7	4.0	1.8	1.8	1.9	1.9	1.7	2.0	1.7	1.7	1.7	1.8
Sulfate	-	-	250	18.5	16.4	19.3	21.6	13.2	13.3	12.5	12.1	13.1	12.4	11.6	11.0	11.5	11.8
Fluoride	4	0.5	2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ortho-Phosphate	-	-	-	0.007	0.004	0.004	0.002	0.015	0.005	0.003	0.003	<0.002	0.004	0.006	0.004/0.005	0.002	0.003
Arsenic	0.01	0.005	-	0.002	0.001	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
Cadmium	0.005	0.005	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chromium	0.1	0.02	-	<0.001	<0.001	0.00294	0.00231	<0.001	<0.001	<0.001	<0.001	0.00171	0.00187	<0.001	0.00147	0.00398	0.00360
Copper <sup>3</sup>	1.3	0.02	1	<0.001	0.00102	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Iron	-	0.1	0.3	<0.02	0.06200	0.03010	<0.02	0.03290	0.04090	<0.02	<0.02	<0.02	<0.02	0.03920	0.02210	0.14500	<0.02
Lead <sup>3</sup>	0.015	1	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.00154	<0.001	<0.001
Manganese	-	0.05	0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Mercury	0.002	0.0004	-	<0.0005	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0002	<0.0002	<0.0002
Phosphorus	-	-	-	<0.02	<0.02	0.046300	<0.005	<0.02	<0.02	<0.02	<0.02	<0.06	0.010000	0.020500	<0.02	<0.06	0.006000

All results reported in mg/l (ppm)

<sup>1</sup> Maximum Contaminant Levels

<sup>2</sup> Trigger level identified on WA Dept of Health analytical results forms.

<sup>3</sup> Federal Action Levels established for distribution systems.

Results in *italics* exceed the trigger level

Results in ***bold italics*** exceed the secondary standard

Spokane County Water Resources  
**Appendix B: Spokane Valley Rathdrum Prairie Aquifer Long Term Monitoring Program 2007 Results**

Well Name		East Valley High School monitoring well						Idaho Road 1000 ft south of Trent, monitoring well				Idaho Road 300 ft south of pipeline, monitoring well						
WQMP Well ID		6436N01						6524R01				6525R01						
SampleID/Comment		6436N01	6436N01	6436N01A duplicate	6436N01	6436N01A duplicate	6436N01	6436N01a duplicate	6425R01	6524R01	6524R01	6524R01	6525R01	6525R01	6525R01	6525R01		
Quarter		1	2	2	3	3	4	4	1	2	3	4	1	2	3	4		
Sample Date		2/7/07	4/26/07	4/26/07	7/31/07	7/31/07	10/24/07	10/24/07	2/6/07	4/25/07	7/30/07	10/22/07	2/6/07	4/25/07	7/30/07	10/22/07		
Static Water Level (ft)		115.43	110.38	110.38	118.71	118.71	117.24	118.71	127.54	124.52	128.47	128.10	105.77	102.57	106.67	106.22		
Average Static Water Level (ft)		115.43	110.38	110.38	118.37	118.37	117.04	118.37	127.76	126.12	127.79	129.12	106.03	103.25	105.61	106.43		
Sample Depth (ft)		116.50	111.50	111.50	120.00	120.00	118.50	120.00	129.00	125.50	130.00	129.00	107.00	103.50	108.00	107.00		
Conductivity (µS/cm)		526	473		520		653		289	298	282	284	303	297	304	304		
Water Temperature (C°)		12.7	13.5				13.5		10.7	11.7	22.1	11.0	10.2	10.9	18.1	11.0		
pH		7.47	7.66				7.45		7.86	7.94	7.78	7.82	7.75	7.99	7.86	7.83		
Analytes	Washington Drinking Water Standards																	
	MCL <sup>1</sup>	Trigger Level <sup>2</sup>	Secondary															
Chloride	-	250	250	9.34	11.70	11.70	6.93	7.02	7.23	7.37	2.36	3.05	3.11	2.49	1.33	1.74	2.05	1.67
Nitrate+Nitrite	10	5	-	4.78	5.15	5.05	5.67	5.71	6.20	6.50	1.75	2.40	1.59	1.93	0.81	0.88	0.78	0.91
Calcium	-	-	-	64.90	52.30	53.50	63.60	65.20	79.30	79.70	34.70	36.40	33.90	35.30	33.90	34.20	33.80	35.20
Sodium	-	-	-	8.55	10.50	10.70	8.47	8.72	9.41	9.51	3.27	3.23	3.15	3.26	2.96	2.92	2.93	3.04
Carbonate	-	-	-	<2	<2	<2	<2	<2	<2	2.05	<2	<2	<2	<2	<2	<2	<2	<2
Bicarbonate	-	-	-	249.0	204.0	204.0	249.0	261.0	323.0	323.0	132.0	142.0	136.0	133.0	145.0	147.0	146.0	138.0
TDS	-	-	500	330.0	293.0	289.0	338.0	337.0	382.0	392.0	144.0	205.0	182.0	166.0	160.0	183.0	186.0	170.0
Zinc	-	5	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.0	0.0	<0.01	<0.01	0.0	0.0	<0.01
Magnesium	-	-	-	26.0	22.6	23.1	28.5	29.3	35.9	36.0	14.0	14.7	13.9	14.3	16.8	16.9	17.0	17.7
Potassium	-	-	-	4.0	3.7	3.8	4.0	4.1	5.0	4.9	1.9	2.1	1.8	2.1	1.8	1.9	1.9	2.1
Sulfate	-	-	250	18.5	19.0	19.2	20.5	18.6	18.3	18.3	8.7	9.3	9.4	9.7	14.9	14.5	16.9	16.4
Fluoride	4	0.5	2	0.113	0.125	0.120	0.110	0.110	0.100	0.100	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ortho-Phosphate	-	-	-	0.050	0.060	0.060	0.049	0.049	0.040	0.039	0.007	0.004	0.010	0.006	0.006	0.003/0.005	0.008	0.003
Arsenic	0.01	0.005	-	0.003	0.003	0.003	0.002	0.003	0.002	0.003	0.003	0.003	0.003	0.004	0.002	0.002	0.002	0.003
Cadmium	0.005	0.005	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chromium	0.1	0.02	-	0.00162	0.00138	0.00120	0.00331	0.00329	0.00308	0.00262	<0.001	<0.001	0.00277	<0.001	<0.001	<0.001	0.00260	<0.001
Copper <sup>3</sup>	1.3	0.02	1	0.00177	0.00107	0.00105	<0.001	<0.001	0.00131	0.00171	<0.001	<0.001	<0.001	0.00123	<0.001	<0.001	<0.001	0.00145
Iron	-	0.1	0.3	<b>0.97400</b>	<i>0.23500</i>	<i>0.19600</i>	<i>0.17300</i>	<i>0.27900</i>	<b>1.13000</b>	<i>0.24700</i>	<0.02	<0.02	<0.02	<0.02	0.04750	<0.02	0.02620	<0.02
Lead <sup>3</sup>	0.015	1	-	0.00106	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.00157	<0.001	<0.001	<0.001	0.00131	<0.001	<0.001
Manganese	-	0.05	0.05	0.01630	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Mercury	0.002	0.0004	-	<0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0002	<0.0002	<0.0002	<0.0005	<0.0002	<0.0002	<0.0002
Phosphorus	-	-	-	0.094400	0.130000	0.267000	<0.06	0.065400	0.045000	0.054000	<0.02	<0.02	<0.06	0.027000	<0.02	<0.02	<0.06	0.024000

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 *italics* exceed the trigger level

Results in **bold italics** exceed the secondary standard

Spokane County Water Resources

**Appendix B: Spokane Valley Rathdrum Prairie Aquifer Long Term Monitoring Program 2007 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		
Quarter		1	2	3	4	1	2	3	4	1	2	3	4		
Sample Date		2/6/07	4/25/07	7/30/07	10/22/07	1/30/07	4/24/07	7/31/07	10/30/07	1/30/07	4/24/07	7/31/07	10/30/07		
Static Water Level (ft)		116.12	113.44	117.70	117.11										
Average Static Water Level (ft)		117.02	114.25	116.73	117.42										
Sample Depth (ft)			114.50	119.00	118.00										
Conductivity (µS/cm)		244	272	266	274	359	347	317	337	246	238	221	257		
Water Temperature (C°)		11.3	13.9	19.5	13.6	12.9	16.2	13.7	10.8	11.4	12.8	12.4	10.5		
pH		7.93	7.21	7.66	7.73	7.32	7.87	7.50	7.80	7.78	8.02	8.04	7.99		
Analytes	Washington Drinking Water Standards														
	MCL <sup>1</sup>	Trigger Level <sup>2</sup>	Secondary												
Chloride	-	250	250	4.26	3.97	4.96	3.82	22.10	18.50	23.30	18.40	4.92	4.48	5.03	5.60
Nitrate+Nitrite	10	5	-	1.44	1.63	1.36	1.68	2.58	2.58	1.79	2.37	0.98	1.14	0.94	1.29
Calcium	-	-	-	30.80	31.30	30.20	32.10	43.50	39.10	37.00	39.80	32.70	30.10	27.70	32.30
Sodium	-	-	-	2.77	2.80	2.72	2.87	8.19	8.27	7.28	7.56	3.22	3.04	2.77	3.34
Carbonate	-	-	-	<2	<2	<2	<2	<2	<2	<2.22	<2	<2	<2	<2	<2
Bicarbonate	-	-	-	127.0	124.0	121.0	124.0	107.0	67.0	121.0	128.0	112.0	104.0	104.0	113.0
TDS	-	-	500	139.0	173.0	171.0	150.0	214.0	208.0	191.0	200.0	155.0	142.0	136.0	150.0
Zinc	-	5	5	0.0	<0.01	0.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium	-	-	-	13.6	13.9	13.2	14.3	14.2	13.0	12.4	13.0	10.7	10.0	10.0	11.2
Potassium	-	-	-	2.1	2.2	2.0	2.3	2.5	2.5	2.3	2.5	1.7	1.7	1.5	1.8
Sulfate	-	-	250	10.5	10.2	11.4	11.0	17.3	13.4	15.0	15.5	9.3	8.8	9.6	10.4
Fluoride	4	0.5	2	<0.1	<0.1	<0.1	<0.1	0.100	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ortho-Phosphate	-	-	-	0.009	0.007	0.011	0.005	0.012	0.011	0.140	0.010	0.005	0.006/0.010	0.006	<0.002
Arsenic	0.01	0.005	-	0.004	0.004	0.004	0.004	0.002	0.003	0.002	0.002	0.002	0.002	0.002	0.002
Cadmium	0.005	0.005	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chromium	0.1	0.02	-	<0.001	<0.001	0.00111	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Copper <sup>3</sup>	1.3	0.02	1	<0.001	<0.001	<0.001	<0.001	0.00107	0.00180	0.00261	<0.001	0.00123	0.00135	0.00248	<0.001
Iron	-	0.1	0.3	<0.02	<i>0.14000</i>	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Lead <sup>3</sup>	0.015	1	-	<0.001	<0.001	<0.001	<0.001	<0.001	0.00145	<0.001	<0.001	<0.001	0.00191	<0.001	<0.001
Manganese	-	0.05	0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Mercury	0.002	0.0004	-	<0.0005	<0.0002	<0.0002	<0.0002	<0.0005	<0.0002	<0.0002	<0.0002	<0.0005	<0.0002	<0.0002	<0.0002
Phosphorus	-	-	-	<0.02	<0.02	<0.06	0.027000	0.017600	<0.02	<0.06	0.019000	<0.02	<0.02	0.031800	0.012000

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 *italics* exceed the trigger level

Results in ***bold italics*** exceed the secondary standard

Spokane County Water Resources  
**Appendix B: Spokane Valley Rathdrum Prairie Aquifer Long Term Monitoring Program 2007 Results**

Well Name		ORCHARD AVE IRRIG DIST, Site 1			CITY of SPOKANE-Ray				E. SPOKANE WTR DIST, Site 1					
WQMP Well ID		5312H01			5322F01				5324G01					
SampleID/Comment		5312H01	5312H01	5312H01	5322F01	5322FO1	5322FO1	5322F01	5324G01	5324GO1	5324GO1	5324G01		
Quarter		1	2	4	1	2	3	4	1	2	3	4		
Sample Date		1/30/07	7/31/07	10/30/07	1/30/07	4/24/07	7/31/07	10/30/07	1/30/07	4/24/07	7/31/07	10/30/07		
Static Water Level (ft)														
Average Static Water Level (ft)														
Sample Depth (ft)														
Conductivity (µS/cm)		306	315	209	453	428	354	445	412	411	360	418		
Water Temperature (C°)		10.1	16.9	11.0	11.0	12.4	13.3	11.6	9.9	12.3	14.9	11.9		
pH		7.96	7.95	7.72	7.49	7.68	7.72	7.61	7.35	7.56	7.75	7.28		
Analytes	Washington Drinking Water Standards													
	MCL <sup>1</sup>	Trigger Level <sup>2</sup>	Secondary											
Chloride	-	250	250	3.34	4.92	3.46	19.40	16.70	13.60	15.90	22.30	19.30	12.40	19.80
Nitrate+Nitrite	10	5	-	1.82	1.84	1.65	3.82	3.92	2.46	3.78	4.50	4.74	2.39	4.16
Calcium	-	-	-	38.20	37.20	35.40	59.20	53.30	43.80	57.10	51.50	47.60	44.00	50.90
Sodium	-	-	-	4.07	4.07	3.95	10.30	9.97	7.15	9.65	11.00	9.78	6.97	11.10
Carbonate	-	-	-	<2	<2	2.22	<2	<2	<2	<2	<2	<2	<2	<2
Bicarbonate	-	-	-	142.0	144.0	133.0	187.0	174.0	159.0	191.0	165.0	165.0	159.0	164.0
TDS	-	-	500	196.0	175.0	166.0	278.0	260.0	216.0	276.0	268.0	261.0	215.0	269.0
Zinc	-	5	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	<0.01	<0.01	<0.01	<0.01
Magnesium	-	-	-	14.4	14.5	13.5	18.9	17.2	14.6	18.5	16.3	16.2	15.1	16.0
Potassium	-	-	-	2.0	2.1	2.1	2.9	2.9	2.4	3.0	2.5	2.6	2.5	2.7
Sulfate	-	-	250	11.4	12.5	10.9	17.8	15.6	13.7	17.2	15.0	13.2	13.6	15.6
Fluoride	4	0.5	2	<0.1	<0.1	<0.1	0.100	<0.1	<0.1	<0.1	0.110	0.103	<0.1	<0.1
Ortho-Phosphate	-	-	-	0.017	0.023	0.013	0.026	0.026	0.024	0.018	0.057	0.049/0.017	0.018	0.047
Arsenic	0.01	0.005	-	<i>0.005</i>	<i>0.005</i>	<i>0.006</i>	0.004	0.004	0.004	0.004	0.002	0.003	0.003	0.003
Cadmium	0.005	0.005	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chromium	0.1	0.02	-	<0.001	<0.001	<0.001	<0.001	<0.001	0.00111	<0.001	0.00118	<0.001	0.00100	<0.001
Copper <sup>3</sup>	1.3	0.02	1	0.00120	<0.001	<0.001	0.00132	0.00172	0.00121	0.00141	0.00417	0.00377	0.00170	0.00498
Iron	-	0.1	0.3	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<i>0.16400</i>	0.09910	<i>0.10500</i>	<b>0.57200</b>
Lead <sup>3</sup>	0.015	1	-	<0.001	<0.001	<0.001	<0.001	0.00218	<0.001	<0.001	<0.001	0.00106	<0.001	0.00196
Manganese	-	0.05	0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Mercury	0.002	0.0004	-	<0.0005	<0.0002	<0.0002	<0.0005	<0.0002	<0.0002	<0.0002	<0.0005	<0.0002	<0.0002	<0.0002
Phosphorus	-	-	-	0.024900	0.073000	0.029000	0.030300	<0.02	0.041200	0.030000	0.075900	<0.02	0.050500	0.256000

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 *italics* exceed the trigger level

Results in **bold italics** exceed the secondary standard

Spokane County Water Resources  
**Appendix B: Spokane Valley Rathdrum Prairie Aquifer Long Term Monitoring Program 2007 Results**

Well Name		PASADENA PARK #2					Orchard Ave. Ring Dist, Site 2 Buckeye & Dick		MODERN ELECT WATER, Site 6				VERA WATER & POWER, Well 4				
WQMP Well ID		5405K01					5407C01		5408N01				5426L01				
SampleID/Comment		5405K01	5405K01	5405K01	5405K01	5405K01	5407C01	5407C01	5408N01	5408N01	5408N01	5408N01	5426L01	5426L02/duplicate	5426L01	5426L01a duplicate	
Quarter		1	2	3	3	4	2	3	1	2	3	4	1	2	3	3	
Sample Date		1/30/07	4/24/07	7/31/07	7/31/07	10/30/07	4/24/07	7/31/07	1/30/07	4/24/07	7/31/07	10/30/07	1/30/07	1/30/07	7/31/07	7/31/07	
Static Water Level (ft)																	
Average Static Water Level (ft)																	
Sample Depth (ft)																	
Conductivity (µS/cm)		210	180	189	178	209	333	306	264	281	268	259	305		406		
Water Temperature (C°)		10.8	11.2	13.0	13.0	11.0	14.6	12.9	10.6	11.7	13.4	10.8	11.1		14.2		
pH		7.64	7.87	7.75	7.75	7.72	8.01	8.03	8.00	8.15	8.09	8.11	7.61		7.90		
Analytes	Washington Drinking Water Standards																
	MCL <sup>1</sup>	Trigger Level <sup>2</sup>	Secondary														
Chloride	-	250	250	4.58	4.42	3.74	3.91	3.37	3.30	3.01	3.45	3.97	3.24	4.95	5.55	9.13	8.84
Nitrate+Nitrite	10	5	-	1.78	1.45		1.06	1.14	1.49	1.28	1.33	1.21	1.28	1.55	1.60	2.90	2.91
Calcium	-	-	-	27.10	21.60		21.80	27.30	28.60	32.00	32.20	32.00	32.70	40.90	40.70	50.90	52.90
Sodium	-	-	-	3.82	3.61	3.48	3.39	4.14	4.34	2.99	3.14	3.09	3.13	4.86	4.77	6.59	6.80
Carbonate	-	-	-	<2	<2		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Bicarbonate	-	-	-	89.8	77.3		81.0	98.9	107.0	130.0	129.0	129.0	126.0	132.0	135.0	181.0	178.0
TDS	-	-	500	128.0	109.0	115.0	110.0	136.0	134.0	159.0	162.0	155.0	163.0	187.0	195.0	245.0	238.0
Zinc	-	5	5	0.0	<0.01	<0.01	<0.01	0.0	<0.01	<0.01	<0.01	<0.01	<0.01	0.0	0.0	0.0	<0.01
Magnesium	-	-	-	8.5	6.7		7.1	8.7	8.5	14.0	14.3	14.5	14.4	12.4	12.2	14.0	14.5
Potassium	-	-	-	2.0	1.9		1.8	2.1	1.7	1.8	1.9	1.9	2.0	2.3	2.3	2.8	2.9
Sulfate	-		250	9.2	7.5	9.1	9.5	10.4	7.1	11.0	10.4	11.4	11.0	9.9	10.0	14.6	14.2
Fluoride	4	0.5	2	<0.1	<0.1	<0.1	<0.1	<0.1	0.117	<0.1	<0.1	<0.1	<0.1	<0.1	0.100	0.100	0.100
Ortho-Phosphate	-	-	-	0.008	0.010		0.011	0.005	0.015	0.008	0.009	0.007	<0.002	0.016	0.009	0.018	0.021
Arsenic	0.01	0.005	-	0.001	0.001	<0.002	0.001	0.001	0.003	0.002	0.002	0.002	0.002	0.004	0.004	0.004	0.004
Cadmium	0.005	0.005	-	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chromium	0.1	0.02	-	0.00106	<0.001	<0.0085	0.00313	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.00102	0.00123	<0.001
Copper <sup>3</sup>	1.3	0.02	1	0.00204	0.00588	<0.00745	0.00132	0.01490	0.00163	<0.001	<0.001	0.00102	<0.001	0.00479	0.02930	0.00182	0.00153
Iron	-	0.1	0.3	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<b>0.50300</b>	<b>0.49700</b>	<0.02	<0.02
Lead <sup>3</sup>	0.015	1	-	<0.001	0.00164	<0.001	<0.001	0.00159	0.00256	<0.001	0.00177	<0.001	<0.001	<0.001	0.00301	<0.001	<0.001
Manganese	-	0.05	0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Mercury	0.002	0.0004	-	<0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0002	<0.0002
Phosphorus	-	-	-	<0.02	<0.02		0.033700	0.040000	<0.02	<0.02	<0.02	0.033700	0.059000	0.021200	<0.02	0.033700	<0.06

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 *italics* exceed the trigger level

Results in **bold italics** exceed the secondary standard

Spokane County Water Resources

**Appendix B: Spokane Valley Rathdrum Prairie Aquifer Long Term Monitoring Program 2007 Results**

Well Name		Spokane Co Water Dist #3, Site 2-5, 26th & Vercler					Mission Well, LIBERTY LAKE SEWER DIST					CONSOLIDATED IRRIG DIST 19, Site 2A					
WQMP Well ID		5427L01					5515C01					5518R01					
SampleID/Comment		5427L01	5427L01	5427L01	5427L01	5427L01a duplicate	5515C01	5515C01	5515C01A - duplicate	5515C01	5515C01	5518R01	5518R01	5518R01	5518R01		
Quarter		1	2	3	4	4	1	2	2	3	4	1	2	3	4		
Sample Date		1/30/07	4/24/07	7/31/07	10/30/07	10/30/07	1/30/07	4/24/07	4/24/07	7/31/07	10/30/07	1/30/07	4/24/07	7/31/07	10/30/07		
Static Water Level (ft)																	
Average Static Water Level (ft)																	
Sample Depth (ft)																	
Conductivity (µS/cm)		313	380	386	370		265	225		269	213	143	142	159	142		
Water Temperature (C°)		10.8	13.7	14.3	11.5		10.8	12.1		15.3	12.4	12.3	13.3	14.9	13.2		
pH		7.90	7.97	7.96	7.88		8.01	8.13		8.03	7.82	8.40	8.60	8.47	8.49		
Analytes	Washington Drinking Water Standards																
	MCL <sup>1</sup>	Trigger Level <sup>2</sup>	Secondary														
Chloride	-	250	250	6.50	6.14	7.60	6.22	6.17	3.65	5.55	3.32	4.48	2.28	2.34	2.52	3.45	3.72
Nitrate+Nitrite	10	5	-	2.68	2.86	2.47	2.46	2.46	1.45	1.83	1.50	1.61	0.49	0.51	0.49	0.56	1.37
Calcium	-	-	-	50.20	47.50	49.70	47.40	46.70	34.40	40.10	28.90	34.70	19.30	20.50	19.30	20.70	36.00
Sodium	-	-	-	6.66	6.62	6.77	6.48	6.39	3.27	4.36	4.37	4.64	2.08	2.10	2.10	2.11	5.08
Carbonate	-	-	-	<2	<2	<2	2.49	2.88	<2	<2	<2	<2	<2	<2	<2	<2	2.17
Bicarbonate	-	-	-	182.0	176.0	181.0	175.0	172.0	127.0	149.0	99.4	124.0	63.4	67.3	64.5	71.9	133.0
TDS	-	-	500	226.0	226.0	227.0	224.0	223.0	177.0	193.0	133.0	157.0	95.0	106.0	84.0	90.0	168.0
Zinc	-	5	5	<0.01	<0.01	<0.01	<0.01	<0.01	0.0	<0.01	<0.01	0.0	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium	-	-	-	17.8	17.0	17.8	17.0	16.7	11.6	16.4	8.6	10.7	4.7	4.9	4.7	5.2	11.1
Potassium	-	-	-	2.5	2.6	2.6	2.7	2.6	1.7	2.3	1.8	1.9	1.2	1.1	1.2	1.2	2.1
Sulfate	-	-	250	13.0	12.1	15.2	13.0	13.1	9.4	13.8	7.1	10.7	5.4	5.4	5.1	5.9	10.2
Fluoride	4	0.5	2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.117	0.100	<0.1	<0.1	<0.1	<0.1	<0.1
Ortho-Phosphate	-	-	-	0.015	0.010	0.012	0.005	0.004	0.019	0.023	0.013/0.054	0.019	0.002	0.006	0.008	0.006	0.007
Arsenic	0.01	0.005	-	0.005	0.004	0.004	0.004	0.004	0.003	0.004	0.003	0.003	<0.001	0.001	0.001	0.001	0.003
Cadmium	0.005	0.005	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chromium	0.1	0.02	-	0.00128	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Copper <sup>3</sup>	1.3	0.02	1	0.00379	0.00247	0.00147	0.00419	0.00280	0.00332	0.00223	0.00186	0.00290	<0.001	<0.001	0.00109	<0.001	0.00238
Iron	-	0.1	0.3	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.03570	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Lead <sup>3</sup>	0.015	1	-	<0.001	0.00258	<0.001	<0.001	<0.001	<0.001	0.00176	0.00175	<0.001	<0.001	<0.001	0.00164	<0.001	<0.001
Manganese	-	0.05	0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Mercury	0.002	0.0004	-	<0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0002	<0.0002	<0.0002
Phosphorus	-	-	-	<0.02	<0.02	0.044900	0.020000	0.018000	0.017600	<0.02	<0.02	<0.06	0.009000	<0.02	<0.02	<0.06	0.019000

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 *italics* exceed the trigger level

Results in **bold italics** exceed the secondary standard

Spokane County Water Resources  
**Appendix B: Spokane Valley Rathdrum Prairie Aquifer Long Term Monitoring Program 2007 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	6211K01a duplicate	6211K01	6320D01	6320D01	6320D01	6320D01	6328H01	6328H01	6328H01	6328H01		
Quarter		1	2	3	3	4	1	2	3	4	1	2	3	4		
Sample Date		2/8/07	5/3/07	8/2/07	8/2/07	10/25/07	2/8/07	5/3/07	8/2/07	10/25/07	2/8/07	5/3/07	8/2/07	10/25/07		
Static Water Level (ft)																
Average Static Water Level (ft)																
Sample Depth (ft)																
Conductivity (µS/cm)		294	301	294		293	260	259	254	243	242	372	250	229		
Water Temperature (C°)		10.7	11.9	13.7		11.2	10.6	11.8	13.7	12.1	11.2	13.4	13.8	11.8		
pH		8.08	8.23	8.13		7.93	8.15	8.30	8.24	8.23	8.17	7.99	8.26	8.28		
Analytes	Washington Drinking Water Standards															
	MCL <sup>1</sup>	Trigger Level <sup>2</sup>	Secondary													
Chloride	-	250	250	6.88	6.33	6.88	6.96	6.02	4.56	3.63	3.58	3.05	11.00	8.89	9.11	7.74
Nitrate+Nitrite	10	5	-	1.37	1.59	1.42	1.43	1.54	0.99	1.09	0.94	1.07	0.93	1.00	1.08	1.18
Calcium	-	-	-	31.50	32.90	32.10	30.40	32.80	26.50	28.20	25.60	28.00	25.80	26.70	26.00	25.90
Sodium	-	-	-	3.96	4.13	3.98	3.78	4.14	2.96	3.15	2.85	3.16	4.62	4.85	5.14	4.96
Carbonate	-	-	-	<2	<2	<2	<2	2.10	<2	<2.67	<2	<2	<2	<2	<2	<2
Bicarbonate	-	-	-	79.4	131.0	136.0	136.0	138.0	119.0	119.0	119.0	118.0	99.3	96.8	102.0	98.3
TDS	-	-	500	166.0	172.0	168.0	171.0	180.0	156.0	147.0	147.0	149.0	130.0	142.0	142.0	147.0
Zinc	-	5	5	0.0	<0.01	0.0	0.0	<0.01	<0.01	<0.01	0.0	<0.01	<0.01	<0.01	0.0	<0.01
Magnesium	-	-	-	16.8	17.5	17.3	16.4	17.8	14.7	15.7	14.4	15.7	11.4	11.6	11.8	11.6
Potassium	-	-	-	2.1	2.1	2.1	2.0	2.3	1.8	1.8	1.7	2.0	2.1	2.2	2.1	2.3
Sulfate	-		250	15.0	13.9	15.1	15.2	15.4	13.7	12.2	13.4	13.7	11.7	10.1	11.8	12.2
Fluoride	4	0.5	2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ortho-Phosphate	-	-	-	0.009	0.007	0.004	0.005	0.010	0.007	0.006/0.005	0.003	0.007	0.008	0.005	0.004	0.007
Arsenic	0.01	0.005	-	0.003	0.003	0.003	0.003	0.004	0.003	0.003	0.004	0.004	0.002	0.002	0.002	0.002
Cadmium	0.005	0.005	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chromium	0.1	0.02	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Copper <sup>3</sup>	1.3	0.02	1	<0.001	<0.001	<0.001	<0.001	0.00107	<0.001	<0.001	0.00447	0.00123	<0.001	0.00130	<0.001	0.00103
Iron	-	0.1	0.3	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.02180	<0.02	<0.02	<0.02
Lead <sup>3</sup>	0.015	1	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.00169	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese	-	0.05	0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Mercury	0.002	0.0004	-	<0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0002	<0.0002	<0.0002	<0.0005	<0.0002	<0.0002	<0.0002
Phosphorus	-	-	-	0.027800	<0.02	0.035100	0.063200	0.005000	<0.02	<0.02	<0.06	<0.005	<0.02	0.026300	<0.06	<0.005

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 *italics* exceed the trigger level

Results in ***bold italics*** exceed the secondary standard

Spokane County Water Resources  
**Appendix B: Spokane Valley Rathdrum Prairie Aquifer Long Term Monitoring Program 2007 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	5323E01	5323E01	5323E01	5323E01		
Quarter		1	2	3	4	1	2	4	1	2	3	4		
Sample Date		2/6/07	4/25/07	7/30/07	10/22/07	1/30/07	4/24/07	10/30/07	2/7/07	4/26/07	8/1/07	10/23/07		
Static Water Level (ft)									50.38	45.61	53.57	52.32		
Average Static Water Level (ft)									49.71	45.80	52.90	51.99		
Sample Depth (ft)									51.50	46.50	54.50	53.30		
Conductivity (µS/cm)		278	233	237	250	209	217	210	390	362	387	381		
Water Temperature (C°)		13.2	13.3	14.4	12.8	10.8	12.2	12.2	12.0	13.7	16.4	12.9		
pH		7.51	7.89	8.09	7.79	8.17	8.27	8.23	7.81	7.87	7.73	7.71		
Analytes	Washington Drinking Water Standards													
	MCL <sup>1</sup>	Trigger Level <sup>2</sup>	Secondary											
Chloride	-	250	250	3.39	3.66	4.23	3.45	3.05	2.72	2.51	13.40	12.00	15.00	11.40
Nitrate+Nitrite	10	5	-	1.30	1.27	1.16	1.30	0.90	0.98	0.90	3.04	2.80	2.81	2.80
Calcium	-	-	-	27.90	27.20	27.20	28.50	25.70	25.50	25.50	46.40	43.30	47.40	47.60
Sodium	-	-	-	2.77	2.67	2.68	2.76	2.45	2.48	2.51	8.21	7.26	7.63	8.14
Carbonate	-	-	-	<2	<2	<2	<6.9	<2	<2	<2	<2	<2	<2	<2
Bicarbonate	-	-	-	107.0	109.0	109.0	101.0	99.6	69.5	98.2	164.0	157.0	174.0	163.0
TDS	-	-	500	160.0	148.0	148.0	137.0	122.0	125.0	125.0	226.0	209.0	239.0	223.0
Zinc	-	5	5	0.0	0.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium	-	-	-	12.7	12.4	12.3	13.0	11.0	11.0	11.1	16.0	14.7	16.4	16.5
Potassium	-	-	-	2.0	2.0	1.9	2.2	1.5	1.7	1.7	2.7	2.5	2.6	2.9
Sulfate	-	-	250	10.0	9.0	10.0	10.4	8.9	8.6	9.1	13.7	12.6	13.9	14.5
Fluoride	4	0.5	2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ortho-Phosphate	-	-	-	0.010	0.005	0.007	0.004	0.005	0.007	0.002	0.016	0.016	0.010	0.011
Arsenic	0.01	0.005	-	<i>0.005</i>	<i>0.005</i>	<i>0.005</i>	<i>0.005</i>	0.003	0.003	0.003	0.003	0.004	0.003	0.003
Cadmium	0.005	0.005	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chromium	0.1	0.02	-	<0.001	<0.001	0.00154	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.00206	0.00297
Copper <sup>3</sup>	1.3	0.02	1	0.00465	0.00162	<0.001	0.00100	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.00105
Iron	-	0.1	0.3	<i>0.14700</i>	0.07870	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<i>0.29100</i>
Lead <sup>3</sup>	0.015	1	-	<0.001	<0.001	<0.001	<0.001	<0.001	0.00182	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese	-	0.05	0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Mercury	0.002	0.0004	-	<0.0005	<0.0002	<0.0002	<0.0002	<0.0005	<0.0002	<0.0002	<0.0005	<0.0002	<0.0002	<0.0002
Phosphorus	-	-	-	<0.02	<0.02	<0.06	0.019000	0.017600	<0.02	0.052000	<0.02	<0.02	<0.06	0.020000

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 *italics* exceed the trigger level

Results in **bold italics** exceed the secondary standard

Spokane County Water Resources  
**Appendix B: Spokane Valley Rathdrum Prairie Aquifer Long Term Monitoring Program 2007 Results**

Well Name		SPOKANE FISH HATCHERY, GRIFFITH SPR			Sullivan Spring		Mirabeau Springs	Springs near SCC	Three Springs		Waikiki Springs			
WQMP Well ID	6211J01s	6211J01S	6211J01S		5411R05s	5410H02s	5311M01s	5212F01s	5212F01s	6306P01s	6306P01s			
SampleID/Comment	6211J01S	6211J01S	6211J01a duplicate	Sullivan Spring	Sullivan Park	Mirabeau	Rendering Plant	Three Springs	3-Springs	Waikiki	Waikiki Springs			
Quarter														
Sample Date	8/9/2007	10/25/2007	10/25/2007	7/31/2007	8/9/2007	8/9/2007	8/9/2007	8/9/2007	10/29/2007	10/25/2007	8/9/2007			
Static Water Level (ft)														
Average Static Water Level (ft)														
Sample Depth (ft)														
Conductivity (µS/cm)		325.00		220.00					322.00	310.00				
Water Temperature (C°)		12.20							12.00	12.00				
pH		8.00							7.91	8.24				
Analytes	Washington Drinking Water Standards													
	MCL <sup>1</sup>	Trigger Level <sup>2</sup>	Secondary											
Chloride	-	250	250	9.35	7.79	8.27	2.72	2.98	3.21	4.48	12.90	11.60	8.45	10.80
Nitrate+Nitrite	10	5	-		1.72	1.75	0.81	0.78	0.84	0.86	2.18	2.40	1.97	2.00
Calcium	-	-	-	36.30	35.40	36.70	26.30	26.70	32.30	29.20	38.90	41.70	31.20	32.80
Sodium	-	-	-	4.37	4.69	4.93	2.61	2.45	2.59	2.89	5.51	6.41	6.52	6.10
Carbonate	-	-	-	<2.00	2.25	2.19	<2.67	<2.00	<2.00	<2.00	<2.00	<2.00	2.09	<2.00
Bicarbonate	-	-	-	148	148	150	103	109	134	111	131	141	140	138
TDS	-	-	500	192	198	193	133	145	159	136	214	204	179	200
Zinc	-	5	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium	-	-	-	19.00	19.00	19.80	11.40	11.40	14.90	11.00	14.20	15.40	17.90	18.40
Potassium	-	-	-	2.46	2.45	2.55	1.72	1.78	1.85	1.79	2.28	2.52	2.46	2.49
Sulfate	-		250	14.80	16.50	16.80	10.60	9.55	11.70	8.55	13.60	16.40	16.60	15.50
Fluoride	4	0.5	2	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Ortho-Phosphate	-	-	-	0.008	0.009	0.009	0.013	0.007	0.006	0.009	0.009	<0.002		0.008
Arsenic	0.01	0.005	-	0.00263	0.00335	0.00322	0.00287	0.00302	0.00217	0.00207	0.00298	0.00278	0.00251	0.00221
Cadmium	0.005	0.005	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chromium	0.1	0.02	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Copper <sup>3</sup>	1.3	0.02	1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Iron	-	0.1	0.3	0.03	<0.02	<0.02	<0.02	0.02	0.07	0.06	0.04	<0.02	<0.02	0.03
Lead <sup>3</sup>	0.015	1	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese	-	0.05	0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Mercury	0.002	0.0004	-	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Phosphorus	-	-	-	<0.06	0.005	<0.005	<0.06	<0.06	<0.06	<0.06	<0.06	0.019	0.022	<0.06

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 *italics* exceed the trigger level

Results in **bold italics** exceed the secondary standard