

## Cherryville Water Stewards Sampling Results 2012

### January

General parameters	RDL	Mac Limit	Ferry Creek - Sugar Lk Rd	Cherry Creek - Sugar Lk Rd	Cherry Creek - at Hall	South Fork Cherry Creek - S Fork Road	North Fork Cherry Creek- N Fork Road	Shuswap River - Sihlis Road	Shuswap River - Picnic Site	Reiter Creek - Sihlis Rd
Chloride	0.1 mg\L	(AO <250)								
Nitrogen, Nitrate+Nitrite as N	0.01 mg\L	-								
Nitrogen, Nitrate as N	0.01 mg\L	10								
Nitrogen, Nitrite as N	0.01 mg\L	3,2								
Nitrogen, Total Kjeldahl	0.05 mg\L	-								
Nitrogen, Total	0.05 mg\L	-								
Phosphorus, Total	0.01 mg\L	-								
Phosphorus, Dissolved	0.01 mg\L	-								
Turbidity	0.1 NTU	3								
E. coli	1 CFU	0								
Temperature, Celsius	-	-								
Oxygen, dissolved, mg\L	-	(5 minimum)								

### February 14th

General parameters	RDL	Mac Limit	Ferry Creek - Sugar Lk Rd	Cherry Creek - Sugar Lk Rd	Cherry Creek - at Hall	South Fork Cherry Creek - S Fork Road	North Fork Cherry Creek- N Fork Road	Shuswap River - Sihlis Road	Shuswap River - Picnic Site	Reiter Creek - Sihlis Rd
Chloride	0.1 mg\L	(AO <250)		<0.01				<b>0.01</b>		<b>0.01</b>
Nitrogen, Nitrate+Nitrite as N	0.01 mg\L	-		<b>0.048</b>				<b>0.067</b>		<b>0.013</b>
Nitrogen, Nitrate as N	0.01 mg\L	10		<b>0.048</b>				<b>0.067</b>		<b>0.013</b>
Nitrogen, Nitrite as N	0.01 mg\L	3,2		<0.01				<0.01		<0.01
Nitrogen, Total Kjeldahl	0.05 mg\L	-		<b>0.2</b>				<b>0.23</b>		<b>0.19</b>
Nitrogen, Total	0.05 mg\L	-		<b>0.252</b>				<b>0.294</b>		<b>0.202</b>
Phosphorus, Total	0.01 mg\L	-		<b>0.03</b>				<b>0.02</b>		<b>0.03</b>
Phosphorus, Dissolved	0.01 mg\L	-		<b>0.02</b>				<b>0.02</b>		<b>0.03</b>
Turbidity	0.1 NTU	3		<b>0.3</b>				<b>0.4</b>		<b>0.7</b>
E. coli	1 CFU	0		<1				<1		<b>1</b>
Temperature, Celsius	-	-		0.3				0.9		0.5
Oxygen, dissolved, mg\L	-	(5 minimum)		12.3				12.4		12.3

### March 16th

General parameters	RDL	Mac Limit	Ferry Creek - Sugar Lk Rd	Cherry Creek - Sugar Lk Rd	Cherry Creek - at Hall	South Fork Cherry Creek - S Fork Road	North Fork Cherry Creek- N Fork Road	Shuswap River - Sihlis Road	Shuswap River - Picnic Site	Reiter Creek - Sihlis Rd
Chloride	0.1 mg\L	(AO <250)		<b>2.86</b>				<b>0.1</b>		<b>0.13</b>
Nitrogen, Nitrate+Nitrite as N	0.01 mg\L	-		<b>0.047</b>				<b>0.058</b>		<0.01
Nitrogen, Nitrate as N	0.01 mg\L	10		<b>0.047</b>				<b>0.058</b>		<0.01
Nitrogen, Nitrite as N	0.01 mg\L	3,2		<0.01				<0.01		<0.01
Nitrogen, Total Kjeldahl	0.05 mg\L	-		<b>0.16</b>				<b>0.08</b>		<b>0.12</b>
Nitrogen, Total	0.05 mg\L	-		<b>0.21</b>				<b>0.133</b>		<b>0.117</b>
Phosphorus, Total	0.01 mg\L	-		<b>0.03</b>				<0.01		<b>0.08</b>
Phosphorus, Dissolved	0.01 mg\L	-		<0.01				<0.01		<b>0.02</b>
Turbidity	0.1 NTU	3		<b>2.4</b>				<b>0.2</b>		<b>0.5</b>
E. coli	1 CFU	0		<b>26</b>				<1		<b>1</b>
Temperature, Celsius	-	-		1.8				1.4		1.1
Oxygen, dissolved, mg\L	-	(5 minimum)		12				12.4		12.2

#### Legend

- Value is lower than MAC Limit
- Value is higher than RDL**
- Value is equal to Maximum Acceptable Concentration Limit**
- Value is higher than Maximum Acceptable Concentration Limit**
- Value is at least five times higher than Value is higher than Maximum Acceptable Concentration Limit**

## Cherryville Water Stewards Sampling Results 2012

### April 15th

General parameters	RDL	Mac Limit	Ferry Creek - Sugar Lk Rd	Cherry Creek - Sugar Lk Rd	Cherry Creek - at Hall	South Fork Cherry Creek - S Fork Road	North Fork Cherry Creek- N Fork Road	Shuswap River - Sihlis Road	Shuswap River - Picnic Site	Reiter Creek - Sihlis Rd
Chloride	0.1 mg\L	(AO <250)	<b>0.65</b>	<b>0.93</b>	<b>4.05</b>	<b>0.12</b>	<b>1.40</b>	<0.1	<b>0.51</b>	<b>0.12</b>
Nitrogen, Nitrate+Nitrite as N	0.01 mg\L	-	<0.01	<b>0.046</b>	<b>0.039</b>	<b>0.035</b>	<b>0.093</b>	<b>0.067</b>	<b>0.059</b>	<0.01
Nitrogen, Nitrate as N	0.01 mg\L	10	<0.01	<b>0.046</b>	<b>0.039</b>	<b>0.035</b>	<b>0.093</b>	<b>0.067</b>	<b>0.059</b>	<0.01
Nitrogen, Nitrite as N	0.01 mg\L	3,2	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1	<0.01
Nitrogen, Total Kjeldahl	0.05 mg\L	-	<b>0.28</b>	<b>0.2</b>	<b>0.22</b>	<b>0.24</b>	<b>0.13</b>	<b>0.12</b>	<b>0.2</b>	<b>0.19</b>
Nitrogen, Total	0.05 mg\L	-	<b>0.275</b>	<b>0.241</b>	<b>0.26</b>	<b>0.272</b>	<b>0.223</b>	<b>0.186</b>	<b>0.26</b>	<b>0.192</b>
Phosphorus, Total	0.01 mg\L	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<b>0.03</b>
Phosphorus, Dissolved	0.01 mg\L	-	<0.01	<0.01	<b>0.01</b>	<0.01	<0.01	<0.01	<0.01	<b>0.01</b>
Turbidity	0.1 NTU	3	<b>0.6</b>	<b>0.4</b>	<b>1</b>	<b>1</b>	<b>0.9</b>	<b>0.4</b>	<b>0.6</b>	<b>8.5</b>
E. coli	1 CFU	0	<b>1</b>	<b>5</b>	<b>24</b>	<b>4</b>	<b>5</b>	<1	<1	<b>1</b>
Temperature, Celsius	-	-	4.7	4.2	4.3	3.1	3.3	3.2	3.7	2.5
Oxygen, dissolved, mg\L	-	(5 minimum)	11.7	11.4	11.6	10.9	11.3	11.8	11.6	11.5

### May 27th

General parameters	RDL	Mac Limit	Ferry Creek - Sugar Lk Rd	Cherry Creek - Sugar Lk Rd	Cherry Creek - at Hall	South Fork Cherry Creek - S Fork Road	North Fork Cherry Creek- N Fork Road	Shuswap River - Sihlis Road	Shuswap River - Picnic Site	Reiter Creek - Sihlis Rd
Chloride	0.1 mg\L	(AO <250)	<b>1.16</b>	<b>1.25</b>	<b>0.69</b>	<b>0.85</b>	<0.1	<0.1	<b>0.19</b>	<b>0.71</b>
Nitrogen, Nitrate+Nitrite as N	0.01 mg\L	-	<0.02	<b>0.070</b>	<b>0.072</b>	<b>0.146</b>	<b>0.039</b>	<b>0.081</b>	<b>0.071</b>	<0.02
Nitrogen, Nitrate as N	0.01 mg\L	10	<0.01	<b>0.070</b>	<b>0.072</b>	<b>0.146</b>	<b>0.039</b>	<b>0.081</b>	<b>0.071</b>	<0.01
Nitrogen, Nitrite as N	0.01 mg\L	3,2	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Total Kjeldahl	0.05 mg\L	-	<b>0.23</b>	<b>0.1</b>	<b>0.22</b>	<b>0.08</b>	<b>0.13</b>	<b>0.08</b>	<b>0.15</b>	<b>0.18</b>
Nitrogen, Total	0.05 mg\L	-	<b>0.231</b>	<b>0.171</b>	<b>0.291</b>	<b>0.227</b>	<b>0.167</b>	<b>0.160</b>	<b>0.218</b>	<b>0.185</b>
Phosphorus, Total	0.01 mg\L	-	<b>0.05</b>	<b>0.05</b>	<0.01	<b>0.03</b>	<b>0.06</b>	<b>0.02</b>	<b>0.04</b>	<b>0.04</b>
Phosphorus, Dissolved	0.01 mg\L	-	<b>0.04</b>	<b>0.04</b>	<0.01	<0.01	<b>0.04</b>	<b>0.02</b>	<b>0.03</b>	<b>0.04</b>
Turbidity	0.1 NTU	3	<b>2.3</b>	<b>2</b>	<b>1.9</b>	<b>1.3</b>	<b>1.2</b>	<b>0.7</b>	<b>1.2</b>	<b>5</b>
E. coli	1 CFU	0	<b>8</b>	<b>1</b>	<1	<1	<b>2</b>	<1	<b>3</b>	<b>1</b>
Temperature, Celsius	-	-	4.1	5.8	7.3	6.4	6.6	12.1	10.0	5.2
Oxygen, dissolved, mg\L	-	(5 minimum)	11.2	10.8	10.2	10.1	10.3	9.46	9.82	10.8

### June 15th

General parameters	RDL	Mac Limit	Ferry Creek - Sugar Lk Rd	Cherry Creek - Sugar Lk Rd	Cherry Creek - at Hall	South Fork Cherry Creek - S Fork Road	North Fork Cherry Creek- N Fork Road	Shuswap River - Sihlis Road	Shuswap River - Picnic Site	Reiter Creek - Sihlis Rd
Chloride	0.1 mg\L	(AO <250)		<b>1.13</b>				<b>1.05</b>		<b>1.47</b>
Nitrogen, Nitrate+Nitrite as N	0.01 mg\L	-		<b>0.059</b>				<b>0.072</b>		<0.02
Nitrogen, Nitrate as N	0.01 mg\L	10		<b>0.059</b>				<b>0.072</b>		<0.01
Nitrogen, Nitrite as N	0.01 mg\L	3,2		<0.01				<0.01		<0.01
Nitrogen, Total Kjeldahl	0.05 mg\L	-		<b>0.2</b>				<b>0.20</b>		<b>0.18</b>
Nitrogen, Total	0.05 mg\L	-		<b>0.258</b>				<b>0.168</b>		<b>0.179</b>
Phosphorus, Total	0.01 mg\L	-		<b>0.07</b>				0.07		<b>0.05</b>
Phosphorus, Dissolved	0.01 mg\L	-		<0.01				<0.01		<b>0.05</b>
Turbidity	0.1 NTU	3		<b>34.6</b>				<b>2.4</b>		<b>7.3</b>
E. coli	1 CFU	0		<b>10</b>				<b>330</b>		<b>4</b>
Temperature, Celsius	-	-		6.3				9.3		6.6
Oxygen, dissolved, mg\L	-	(5 minimum)		10.9				10.3		10.7

#### Legend

	Value is lower than MAC Limit
	Value is higher than RDL
	Value is equal to Maximum Acceptable Concentration Limit
	Value is higher than Maximum Acceptable Concentration Limit
	Value is at least five times higher than Value is higher than Maximum Acceptable Concentration Limit

## Cherryville Water Stewards Sampling Results 2012

### July 15th (See Heavy Metals Test Section)

General parameters	RDL	Mac Limit	Ferry Creek - Sugar Lk Rd	Cherry Creek Sugar Lk Rd	Cherry Creek - at Hall	South Fork Cherry Creek - S Fork Road	North Fork Cherry Creek- N Fork Road	Shuswap River - Sihlis Road	Shuswap River - Picnic Site	Reiter Creek - Sihlis Rd
Chloride	0.1 mg\L	(AO <250)	<b>1.14</b>	<b>0.87</b>	<b>2.97</b>	<b>1.57</b>	<b>1.02</b>	<0.1	<b>1.04</b>	<0.1
Nitrogen, Nitrate+Nitrite as N	0.01 mg\L	-								
Nitrogen, Nitrate as N	0.01 mg\L	10	<b>0.016</b>	<b>0.028</b>	<b>0.05</b>	<b>0.062</b>	<b>0.03</b>	<b>0.036</b>	<b>0.038</b>	<0.01
Nitrogen, Nitrite as N	0.01 mg\L	3,2	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Total Kjeldahl	0.05 mg\L	-								
Nitrogen, Total	0.05 mg\L	-								
Phosphorus, Total	0.01 mg\L	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Phosphorus, Dissolved	0.01 mg\L	-								
Turbidity	0.1 NTU	3	<b>0.5</b>	<b>13.1</b>	<b>25.3</b>	<b>12.1</b>	<b>2.9</b>	<b>2.6</b>	<b>4</b>	<b>0.8</b>
E. coli	1 CFU	0	<b>4</b>	<b>8</b>	<b>24</b>	<b>12</b>	<b>7</b>	<b>&lt;3</b>	<b>6</b>	<b>9</b>
Temperature, Celsius	-	-	12.9	10	8.5	7.8	9.7	12.2	10.3	11.8
Oxygen, dissolved, mg\L	-	(5 minimum)	9.23	8.98	9.05	10.2	N/A (91.6%)	9.55	8.23	9.28

### August 19th

General parameters	RDL	Mac Limit	Ferry Creek - Sugar Lk Rd	Cherry Creek Sugar Lk Rd	Cherry Creek - at Hall	South Fork Cherry Creek - S Fork Road	North Fork Cherry Creek- N Fork Road	Shuswap River - Sihlis Road	Shuswap River - Picnic Site	Reiter Creek - Sihlis Rd
Chloride	0.1 mg\L	(AO <250)	<b>0.83</b>	<b>1.59</b>	<b>2.46</b>	<b>1.66</b>	<0.1	<0.1	<b>0.38</b>	<0.1
Nitrogen, Nitrate+Nitrite as N	0.01 mg\L	-	<0.02	<0.02	<0.02	<b>0.059</b>	<0.02	<0.02	<0.02	<0.02
Nitrogen, Nitrate as N	0.01 mg\L	10	<b>0.011</b>	<b>0.012</b>	<b>0.014</b>	<b>0.059</b>	<b>0.018</b>	<0.01	<0.01	<0.01
Nitrogen, Nitrite as N	0.01 mg\L	3,2	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Total Kjeldahl	0.05 mg\L	-	<b>0.2</b>	<b>0.1</b>	<b>0.12</b>	<0.05	<b>0.08</b>	<b>0.1</b>	<b>0.12</b>	<b>0.1</b>
Nitrogen, Total	0.05 mg\L	-	<b>0.214</b>	<b>0.108</b>	<b>0.132</b>	<b>0.070</b>	<b>0.097</b>	<b>0.1</b>	<b>0.120</b>	<b>0.07</b>
Phosphorus, Total	0.01 mg\L	-	<b>0.03</b>	<b>0.02</b>	<b>0.02</b>	<b>0.02</b>	<b>0.02</b>	<b>0.02</b>	<b>0.02</b>	<b>0.02</b>
Phosphorus, Dissolved	0.01 mg\L	-	<b>0.02</b>	<b>0.02</b>	<b>0.02</b>	<b>0.02</b>	<b>0.01</b>	<b>0.02</b>	<b>0.02</b>	<b>0.01</b>
Turbidity	0.1 NTU	3	<b>0.3</b>	<b>1</b>	<b>1.1</b>	<b>2.4</b>	<b>0.2</b>	<b>0.5</b>	<b>0.4</b>	<b>0.4</b>
E. coli	1 CFU	0	<b>10</b>	<b>8</b>	<b>12</b>	<b>3</b>	<b>8</b>	<b>3</b>	<b>3</b>	<b>1</b>
Temperature, Celsius	-	-	12.6	13.1	11.8	9.8	11.1	20.3	18.4	14.5
Oxygen, dissolved, mg\L	-	(5 minimum)	9.56	9.26	9.25	9.58	9.31	8.05	8.11	8.84

### September 16th

General parameters	RDL	Mac Limit	Ferry Creek - Sugar Lk Rd	Cherry Creek Sugar Lk Rd	Cherry Creek - at Hall	South Fork Cherry Creek - S Fork Road	North Fork Cherry Creek- N Fork Road	Shuswap River - Sihlis Road	Shuswap River - Picnic Site	Reiter Creek - Sihlis Rd
Chloride	0.1 mg\L	(AO <250)	<b>0.64</b>	<b>1.79</b>	<b>2.76</b>	<b>1.87</b>	<b>0.1</b>	<b>0.1</b>	<b>0.49</b>	<b>0.15</b>
Nitrogen, Nitrate+Nitrite as N	0.01 mg\L	-	<0.02	<0.02	<0.02	<b>0.037</b>	<0.02	<0.02	<0.02	<0.02
Nitrogen, Nitrate as N	0.01 mg\L	10	<b>0.01</b>	<b>0.015</b>	<b>0.019</b>	<b>0.037</b>	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrite as N	0.01 mg\L	3,2	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Total Kjeldahl	0.05 mg\L	-	<0.05	<0.05	<b>0.08</b>	<0.05	<0.05	<0.05	<b>0.05</b>	<0.05
Nitrogen, Total	0.05 mg\L	-	<0.07	<0.07	<b>0.097</b>	<0.07	<0.07	<0.07	<0.07	<0.07
Phosphorus, Total	0.01 mg\L	-	<b>0.02</b>	<b>0.01</b>	<b>0.03</b>	<b>0.05</b>	<b>0.04</b>	<b>0.03</b>	<b>0.02</b>	<b>0.01</b>
Phosphorus, Dissolved	0.01 mg\L	-	<b>0.02</b>	<0.01	<b>0.03</b>	<b>0.05</b>	<b>0.02</b>	<b>0.02</b>	<b>0.02</b>	<0.01
Turbidity	0.1 NTU	3	<b>0.3</b>	<b>0.4</b>	<b>0.4</b>	<b>0.6</b>	<b>0.2</b>	<b>0.3</b>	<b>0.3</b>	<b>0.3</b>
E. coli	1 CFU	0	<b>2</b>	<b>1</b>	<b>1</b>	<1	<1	<1	<b>1</b>	<1
Temperature, Celsius	-	-	8	8.6	9.4	7.1	7.8	14.7	13.1	8.3
Oxygen, dissolved, mg\L	-	(5 minimum)	10.6	10.3	9.98	10.3	10.2	8.91	9.22	10.3

#### Legend

	Value is lower than MAC Limit
	<b>Value is higher than RDL</b>
	<b>Value is equal to Maximum Acceptable Concentration Limit</b>
	<b>Value is higher than Maximum Acceptable Concentration Limit</b>
	<b>Value is at least five times higher than Value is higher than Maximum Acceptable Concentration Limit</b>

## Cherryville Water Stewards Sampling Results 2012

### October 18th

General parameters	RDL	Mac Limit	Ferry Creek - Sugar Lk Rd	Cherry Creek - Sugar Lk Rd	Cherry Creek - at Hall	South Fork Cherry Creek - S Fork Road	North Fork Cherry Creek - N Fork Road	Shuswap River - Sihlis Road	Shuswap River - Picnic Site	Reiter Creek - Sihlis Rd
Chloride	0.1 mg\L	(AO <250)		1.53				<0.1		<b>0.17</b>
Nitrogen, Nitrate+Nitrite as N	0.01 mg\L	-		<b>&lt;0.02</b>				<0.02		<0.02
Nitrogen, Nitrate as N	0.01 mg\L	10		<b>0.012</b>				<0.01		<0.01
Nitrogen, Nitrite as N	0.01 mg\L	3,2		<0.01				<0.01		<0.01
Nitrogen, Total Kjeldahl	0.05 mg\L	-		<b>0.15</b>				<b>0.11</b>		<b>0.07</b>
Nitrogen, Total	0.05 mg\L	-		<b>0.158</b>				<b>0.112</b>		<0.07
Phosphorus, Total	0.01 mg\L	-		0.07				<b>0.02</b>		<b>0.02</b>
Phosphorus, Dissolved	0.01 mg\L	-		0.06				<0.01		<b>0.02</b>
Turbidity	0.1 NTU	3		<b>0.7</b>				<b>0.3</b>		<b>0.7</b>
E. coli	1 CFU	0		<b>2</b>				<1		<b>1</b>
Temperature, Celsius	-	-		5.8				10.3		5.7
Oxygen, dissolved, mg\L	-	(5 minimum)		11.0				10.0		11.0

### November 19th

General parameters	RDL	Mac Limit	Ferry Creek - Sugar Lk Rd	Cherry Creek - Sugar Lk Rd	Cherry Creek - at Hall	South Fork Cherry Creek - S Fork Road	North Fork Cherry Creek - N Fork Road	Shuswap River - Sihlis Road	Shuswap River - Picnic Site	Reiter Creek - Sihlis Rd
Chloride	0.1 mg\L	(AO <250)	<b>0.70</b>	1.24	<b>1.64</b>	<b>1.30</b>	<b>0.15</b>	<0.1	<b>0.55</b>	<b>0.19</b>
Nitrogen, Nitrate+Nitrite as N	0.01 mg\L	-	<b>0.027</b>	<b>0.04</b>	<b>0.05</b>	<b>0.093</b>	<b>0.033</b>	<b>0.048</b>	<b>0.045</b>	<0.02
Nitrogen, Nitrate as N	0.01 mg\L	10	<b>0.027</b>	<b>0.04</b>	<b>0.05</b>	<0.01	<b>0.033</b>	<b>0.048</b>	<b>0.045</b>	<0.01
Nitrogen, Nitrite as N	0.01 mg\L	3,2	<0.01	<0.01	<0.01	<b>0.19</b>	<0.01	<0.01	<0.01	<0.01
Nitrogen, Total Kjeldahl	0.05 mg\L	-	<b>0.14</b>	<b>0.06</b>	<b>0.13</b>	<b>0.01</b>	<b>0.13</b>	<b>0.14</b>	<b>0.15</b>	<b>0.1</b>
Nitrogen, Total	0.05 mg\L	-	<b>0.171</b>	<b>0.104</b>	<b>0.181</b>	<b>0.279</b>	<b>0.167</b>	<b>0.189</b>	<b>0.193</b>	<b>0.103</b>
Phosphorus, Total	0.01 mg\L	-	<b>0.02</b>	<b>0.01</b>	<0.01	<b>0.01</b>	<b>0.01</b>	<b>0.01</b>	<b>0.01</b>	<b>0.01</b>
Phosphorus, Dissolved	0.01 mg\L	-	<b>0.01</b>	<b>&lt;0.01</b>	<0.01	<0.01	<b>0.01</b>	<0.01	<b>0.01</b>	<b>0.01</b>
Turbidity	0.1 NTU	3	<b>0.5</b>	<b>1</b>	<b>1.2</b>	<b>2.1</b>	<b>0.5</b>	<b>0.4</b>	<b>0.4</b>	<b>2.8</b>
E. coli	1 CFU	0	<b>3</b>	<b>3</b>	<1	<1	<b>1</b>	<1	<1	<b>1</b>
Temperature, Celsius	-	-	3.8	3.6	3.4	3.2	2.6	5.7	5.2	3.0
Oxygen, dissolved, mg\L	-	(5 minimum)	11.6	11.5	11.6	11.2	11.5	11.0	10.9	11.6

### December

General parameters	RDL	Mac Limit	Ferry Creek - Sugar Lk Rd	Cherry Creek - Sugar Lk Rd	Cherry Creek - at Hall	South Fork Cherry Creek - S Fork Road	North Fork Cherry Creek - N Fork Road	Shuswap River - Sihlis Road	Shuswap River - Picnic Site	Reiter Creek - Sihlis Rd
Chloride	0.1 mg\L	(AO <250)								
Nitrogen, Nitrate+Nitrite as N	0.01 mg\L	-								
Nitrogen, Nitrate as N	0.01 mg\L	10								
Nitrogen, Nitrite as N	0.01 mg\L	3,2								
Nitrogen, Total Kjeldahl	0.05 mg\L	-								
Nitrogen, Total	0.05 mg\L	-								
Phosphorus, Total	0.01 mg\L	-								
Phosphorus, Dissolved	0.01 mg\L	-								
Turbidity	0.1 NTU	3								
E. coli	1 CFU	0								
Temperature, Celsius	-	-								
Oxygen, dissolved, mg\L	-	(5 minimum)								

#### Legend

	Value is lower than MAC Limit
	<b>Value is higher than RDL</b>
	<b>Value is equal to Maximum Acceptable Concentration Limit</b>
	<b>Value is higher than Maximum Acceptable Concentration Limit</b>
	<b>Value is at least five times higher than Value is higher than Maximum Acceptable Concentration Limit</b>

## Cherryville Water Stewards Sampling Results Heavy Metals Test, July 2012

General parameters	RDL	Mac Limit	Ferry Creek - Sugar Lk Rd	Cherry Creek - Sugar Lk Rd	Cherry Creek - at Hall	South Fork Cherry Creek - S Fork Road	North Fork Cherry Creek- N Fork Road	Shuswap River - Sihlis Road	Shuswap River - Picnic Site	Reiter Creek - Sihlis Rd
Alkalinity, Total as CaCO3	1 mg/L		<b>91</b>	<b>81</b>	<b>83</b>	<b>80</b>	<b>53</b>	<b>18</b>	<b>31</b>	<b>77</b>
Chloride	0.10 mg/L	AO <250	<b>1.14</b>	<b>0.87</b>	<b>2.97</b>	<b>1.57</b>	<b>1.02</b>	<0.1	<b>1.04</b>	<0.1
Colour, True	5 color units	AO <15	<b>20</b>	<b>5</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>8</b>	<b>7</b>	<b>11</b>
Conductivity	2 uS/cm		<b>213</b>	<b>187</b>	<b>188</b>	<b>184</b>	<b>124</b>	<b>44</b>	<b>70</b>	<b>164</b>
Fluoride	0.10 mg/L	MAC 1.5	<0.10	<0.1	<0.10	<0.1	<0.10	<0.1	<0.10	<0.1
Nitrogen, Nitrate as N	0.010 mg/L	MAC 10	<b>0.016</b>	<b>0.028</b>	<b>0.050</b>	<b>0.062</b>	<b>0.030</b>	<b>0.036</b>	<b>0.038</b>	<0.01
Nitrogen, Nitrite as N	0.010 mg/L	MAC 1	<0.010	<0.01	<0.010	<0.010	<0.010	<0.01	<0.010	<0.01
pH	0.01 pH units	AO 6.5-8.5	<b>8.17</b>	<b>8.11</b>	<b>8.07</b>	<b>7.98</b>	<b>7.88</b>	<b>7.55</b>	<b>7.73</b>	<b>8.10</b>
Sulfate	1.0 mg/L	AO <500	<b>14.6</b>	<b>10.4</b>	<b>10.5</b>	<b>10.8</b>	<b>7.1</b>	<b>2.2</b>	<b>3.9</b>	<b>5.3</b>
Turbidity	0.1 NTU	3	<b>0.5</b>	<b>13.1</b>	<b>25.3</b>	<b>12.1</b>	<b>2.9</b>	<b>2.6</b>	<b>4.0</b>	<b>0.8</b>
UV Transmittance @ 254nm	0.1 %		<b>73.8</b>	<b>87.5</b>	<b>92.6</b>	<b>94.9</b>	<b>90.2</b>	<b>86.5</b>	<b>89.0</b>	<b>82.1</b>

Calculated Parameters	RDL	Mac Limit	Ferry Creek - Sugar Lk Rd	Cherry Creek - Sugar Lk Rd	Cherry Creek - at Hall	South Fork Cherry Creek - S Fork Road	North Fork Cherry Creek- N Fork Road	Shuswap River - Sihlis Road	Shuswap River - Picnic Site	Reiter Creek - Sihlis Rd
Hardness, Total as CaCO3	5.0 mg/L		<b>112</b>	<b>103</b>	<b>101</b>	<b>97.5</b>	<b>65.9</b>	<b>20.1</b>	<b>34.0</b>	<b>82.5</b>
Ion Balance	-		-	-	<b>109</b>	<b>109</b>	-	<b>109</b>	<b>99.6</b>	<b>105</b>
Solids, Total Dissolved	2.0 mg/L		<b>118</b>	<b>102</b>	<b>104</b>	<b>100</b>	<b>67.6</b>	<b>21.6</b>	<b>38.1</b>	<b>86.2</b>

Total Recoverable Metals	RDL	Mac Limit	Ferry Creek - Sugar Lk Rd	Cherry Creek - Sugar Lk Rd	Cherry Creek - at Hall	South Fork Cherry Creek - S Fork Road	North Fork Cherry Creek- N Fork Road	Shuswap River - Sihlis Road	Shuswap River - Picnic Site	Reiter Creek - Sihlis Rd
Aluminum, total	0.05 mg/L	AO < 0.1	<0.05	<b>0.66</b>	<b>1.31</b>	<b>0.86</b>	<b>0.31</b>	<b>0.18</b>	<b>0.30</b>	<b>0.06</b>
Antimony, total	0.001 mg/L	MAC 0.006	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Arsenic, total	0.005 mg/L	MAC 0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Barium, total	0.05 mg/L	MAC 1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Beryllium, total	0.001 mg/L		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Boron, total	0.04 mg/L	MAC 5	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Cadmium, total	0.0001 mg/L	MAC 0.005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Calcium, total	2 mg/L		<b>34</b>	<b>34</b>	<b>32</b>	<b>32</b>	<b>22</b>	<b>7</b>	<b>11</b>	<b>29</b>
Chromium, total	0.005 mg/L	MAC 0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Cobalt, total	0.0005 mg/L		<0.0005	<0.0005	<b>0.0008</b>	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Copper, total	0.002 mg/L	AO <1	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Iron, total	0.1 mg/L	AO <0.3	<0.1	<b>0.8</b>	<b>1.9</b>	<b>1.0</b>	<b>0.5</b>	<b>0.1</b>	<b>0.4</b>	<0.1
Lead, total	0.001 mg/L	MAC 0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Magnesium, total	0.1 mg/L		<b>6.6</b>	<b>4.3</b>	<b>5.1</b>	<b>4.2</b>	<b>2.4</b>	<b>0.7</b>	<b>1.3</b>	<b>2.2</b>
Manganese, total	0.002 mg/L	AO <0.05	<0.002	<b>0.020</b>	<b>0.039</b>	<b>0.023</b>	<b>0.013</b>	<b>0.003</b>	<b>0.011</b>	<0.002
Mercury, total	0.0002 mg/L	MAC 0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum, total	0.001 mg/L		<b>0.001</b>	<b>0.001</b>	<b>0.002</b>	<b>0.001</b>	<b>0.001</b>	<0.001	<0.001	<0.001
Nickel, total	0.002 mg/L		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Phosphorus, total	0.2 mg/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Potassium, total	0.2 mg/L		<b>2.0</b>	<b>0.9</b>	<b>1.1</b>	<b>0.7</b>	<b>1.0</b>	<b>0.5</b>	<b>0.6</b>	<b>1.3</b>
Selenium, total	0.005 mg/L	MAC 0.01	<0.005	<0.005	<0.005	<b>0.008</b>	<0.005	<0.005	<0.005	<0.005
Silicon, total	5 mg/L		<5	<5	<5	<5	<5	<5	<5	<5
Silver, total	0.0005 mg/L		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Sodium, total	0.2 mg/L	AO <200	<b>4.2</b>	<b>1.6</b>	<b>2.1</b>	<b>1.7</b>	<b>1.0</b>	<0.2	<b>0.8</b>	<b>1.1</b>
Uranium, total	0.0002 mg/L	MAC 0.02	<b>0.0006</b>	<b>0.0004</b>	<b>0.0004</b>	<b>0.0004</b>	<b>0.0003</b>	<0.0002	<b>0.0002</b>	<b>0.0002</b>
Vanadium, total	0.01 mg/L		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zinc, total	0.4 mg/L	AO <5	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04

Microbiological Parameters	RDL	Mac Limit	Ferry Creek - Sugar Lk Rd	Cherry Creek - Sugar Lk Rd	Cherry Creek - at Hall	South Fork Cherry Creek - S Fork Road	North Fork Cherry Creek- N Fork Road	Shuswap River - Sihlis Road	Shuswap River - Picnic Site	Reiter Creek - Sihlis Rd
Coliforms, Total	1 CFU/100ml	MAC <1	<b>360</b>	<b>120</b>	<b>220</b>	<b>76</b>	<b>130</b>	<b>180</b>	<b>200</b>	<b>180</b>
Background Colonies	200 CFU/100ml		<b>&gt;200</b>	<b>&gt;200</b>	<b>&gt;200</b>	<b>&gt;200</b>	<b>&gt;200</b>	<b>&gt;200</b>	<b>&gt;200</b>	<b>&gt;200</b>
E. coli	1 CFU/100ml	MAC <1	<b>4</b>	<b>8</b>	<b>24</b>	<b>12</b>	<b>7</b>	<b>&lt;3</b>	<b>6</b>	<b>9</b>