

Stormwater Quality Report
Sampling of Major Watercourses (for the period of Jan 01, 2005 to Dec 31, 2010)

Creek Name	Station Number	Date Visited	Flow Rate	Fecal Coliform	Temperature	pH	Dissolved Oxygen	Specific Conductance	Turbidity	Nitrate/Nitrogen	Phosphorous
	Units		L/min	FC /100mL	°C	pH	mg/L	µS/cm	NTU	mg/L	mg/L
Water Quality Guidelines			NA	14 200	19	6.5 9	5.00	NA	8.00	2.95	0.1
Reay Creek											
0441-1	Apr 29, 2005	50	<u>28</u>	14.7	7.27	5.58	357.0	9.88	1.4	0.03	
	Jul 13, 2005	50	<u>56</u>	16.9	7.70	8.00	348.9	2.42	1.4	0.05	
	Apr 19, 2006	90	4	10.2	7.91	9.52	300.0	3.86	1.7	0.09	
	Sep 13, 2006	30	<u>16</u>	14.6		6.37	471.1	1.69	1.0	0.15	
	Mar 28, 2007	200	<u>19</u>	8.0	7.73	12.22	396.0	7.24	0.9	0.01	
	Sep 20, 2007	40	<u>70</u>	12.9	7.50	7.89	267.0	2.35	1.7	0.01	
	Feb 18, 2008	180	<u>775</u>	5.1	7.60	13.01	488.0	4.07	0	0.24	
	Jun 20, 2008	60	<u>89</u>	14.9	7.00	7.89	509.0	1.24	0.8	0.04	
	Mar 05, 2009	80	<u>20</u>	7.0	7.66	9.49	485.0	5.70	0.6	0.06	
	Sep 23, 2009	20	<u>58</u>	14.3	7.41	7.17	279.0	0.82	1.1	0.09	
	Feb 11, 2010	100	<u>96</u>	8.1	6.97	10.21	357.0	6.90	0.6	0.06	
	Sep 02, 2010	40	<u>110</u>	14.3	7.07	8.25	179.0	2.90	1.2	0.08	
Tatlow Creek											
3079-1	Apr 29, 2005	50	<u>89</u>	12.2	7.22	8.18	384.9	11.90	0.3	0.00	
	Jul 15, 2005	30	<u>46</u>	14.8	8.06	7.38	376.1	9.54	0	0.05	
	Apr 19, 2006	50	<u>44</u>	8.7	7.99	9.24	322.5	7.32	1.0	0.05	
	Aug 31, 2006	20	10	13.2	7.12	6.82	405.9	7.04	0.2	0.11	
	Feb 28, 2007	90	<u>140</u>	4.6	7.76	13.20	254.0	23.70	0.8	0.06	
	Sep 05, 2007	35	<u>2800</u>	14.1	7.55	7.75	332.0	16.90	0	0.05	
	Feb 18, 2008	200	<u>131</u>	3.8	7.69		292.0	11.80	0	0.01	
	Jul 29, 2008	10	<u>17</u>	13.0	7.39	9.85	971.0	13.00	0	0.07	
	Mar 06, 2009	200	<u>50</u>	4.0	7.96	12.57	312.0	23.10	0.1	0.06	
	Jul 24, 2009	18	<u>2200</u>	14.2	8.04	6.49	2376.0	52.00	0.9	0.16	

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	Units		L/min	FC /100mL	°C	pH	mg/L	µS/cm	NTU	mg/L	mg/L
Water Quality Guidelines			NA	14 200	19	6.5 9	5.00	NA	8.00	2.95	0.1
3079-1	Feb 17, 2010	200	<u>84</u>	8.3	7.73	11.67	255.0	16.10	0.8	0.06	
	Sep 10, 2010	12	<u>108</u>	13.4	7.92	11.92	327.0	4.50	0.1	0.10	
	Oct 07, 2010	12	<u>160</u>	13.6	7.53	7.73	539.0	10.70	0.4	0.10	
Wsikem Creek											
3095-1	Apr 29, 2005	80	<u>461</u>	13.5	8.22	8.85	489.0	10.30	0.7	0.09	
	Jul 15, 2005	70	<u>229</u>	18.2	8.02	6.79	11680.0	11.10	2.7	0.10	
	Apr 19, 2006	45	<u>236</u>	11.1	7.78	5.48	1072.0	10.10	0.4	0.10	
	Sep 13, 2006	10	<u>49</u>	14.0		6.51	1873.0	5.22	0	0.78	
	Mar 28, 2007	300	<u>4800</u>	9.3	7.75	12.63	551.0	15.20	0.3	0.09	
	Sep 05, 2007	80	<u>61968</u>	17.6	7.81	7.24	1787.0	38.80	0.5	1.08	
	Mar 11, 2008	100	<u>44</u>	11.0	7.80	13.92	1307.0	19.70	0	0.33	
	Jul 30, 2008	25	<u>3640</u>	14.4	7.80	7.60	1502.0	11.20	1.0	0.51	
	Mar 06, 2009	200	<u>228</u>	5.5	7.80	11.04	527.0	15.80	0.5	0.15	
	Jul 24, 2009	30	<u>22400</u>	16.3	7.88	6.22	852.0	12.30	0.1	0.04	
	Feb 11, 2010	85	<u>400</u>	7.1	6.92	10.33	484.0	12.80	0.4	0.18	
	Aug 30, 2010	15	<u>7000</u>	13.8	7.34	2.39	579.0	20.20	0.3	0.71	
	Sep 10, 2010	20	<u>330</u>	13.0	7.49	5.40	484.0	1.90	0.3	0.41	
Oct 29, 2010	60	<u>600</u>	9.7	7.35	6.52	485.0	3.24	0.5	0.37		
Ten Ten											
3104-1	Apr 29, 2005	30	<u>205</u>	13.7	7.37	5.18	283.5	12.60	2.7	0.19	
	Jul 15, 2005	40	<u>800</u>	14.4	9.02	8.04	792.0	4.98	1.5	0.10	
	Apr 19, 2006	90	<u>56</u>	10.3	8.03	11.18	426.9	4.06	1.2	0.11	
	Sep 13, 2006	10	<u>577</u>	13.4		8.51	60.6	3.17	0.5	0.56	
	Mar 28, 2007	400	<u>148</u>	7.4	7.51	12.35	229.0	12.30	0.7	0.09	
	Sep 20, 2007	20	<u>415</u>	13.1	7.70	8.38	325.0	3.47	0.9	0.45	

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	Units		L/min	FC /100mL	°C	pH	mg/L	µS/cm	NTU	mg/L	mg/L
Water Quality Guidelines			NA	14 200	19	6.5 9	5.00	NA	8.00	2.95	0.1
3104-1	Mar 11, 2008	200	4	8.6	7.45	12.75	285.0	6.95	2.2	0.11	
	Jul 30, 2008	10	<u>253</u>	14.1	7.70	8.98	876.0	3.45	9.7	0.63	
	Mar 06, 2009	200	10	4.1	7.40	10.89	348.0	7.66	0.7	0.11	
	Sep 25, 2009	20	<u>157</u>	12.7	7.56	4.18	636.0	2.42	4.4	0.47	
	Mar 26, 2010	120	<u>1000</u>	9.4	6.66	10.04	213.0	7.90	0.7	0.13	
	Aug 20, 2010	40	<u>1000</u>	13.5	7.31	5.70	395.0	4.90	3.1	0.71	
Hagan Creek											
3133-1	Apr 29, 2005	400	<u>499</u>	15.3	7.39	8.36	220.5	8.98	0.1	0.05	
	Jul 15, 2005	50	<u>306</u>	16.1	7.86	6.87	260.5	2.86	0.8	0.06	
	Apr 25, 2006	300	<u>223</u>	9.3	7.44	10.63	264.1	9.59	0.7	0.07	
	Sep 13, 2006	150	<u>66</u>	15.2		8.64	282.7	2.45	0.7	0.07	
	Mar 20, 2007	400	<u>66</u>	8.7	7.52	12.09	184.0	17.80	0.2	0.04	
	Sep 05, 2007	400	<u>27</u>	15.8	7.61	8.54	258.0	1.12	1.3	0.04	
	Feb 18, 2008	1500	<u>83</u>	4.3	7.85		223.0	12.90	0.2	0.33	
	Jun 24, 2008	300	<u>1000</u>	16.2	6.95	8.24	253.0	1.74	0.5	0.03	
	Sep 05, 2008		<u>28</u>								
	Mar 05, 2009	400	<u>20</u>	7.9	7.78	11.29	265.0	7.27	0.3	0.06	
	Jul 30, 2009	100	<u>42</u>	22.3	7.53	4.32	280.0	1.00	0.5	0.05	
	Feb 03, 2010	400	<u>18</u>	8.0	6.09	10.68	211.0	7.50	1.3	0.05	
	Aug 30, 2010	300	2	15.4	7.41	9.81	217.0	1.00	0.2	0.29	
Tod Creek											
3154-1	Apr 29, 2005	800	<u>14</u>	13.3	6.99	7.97	200.3	8.20	0.6	0.11	
	Jul 11, 2005	100	<u>16</u>	14.0	12.38	9.50	310.3	4.25	0.2	0.03	
	Apr 25, 2006	300	<u>46</u>	9.8	8.14	10.77	229.1	9.81	0.5	0.11	
	Sep 13, 2006	5	-								
	Mar 28, 2007		<u>36</u>	7.9	7.82	12.79	144.0	5.47	0.5	0.04	

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			Units	L/min	FC /100mL	°C	pH	mg/L	µS/cm	NTU	mg/L	mg/L
				NA	14 200	19	6.5 9	5.00	NA	8.00	2.95	0.1
	3154-1	Sep 05, 2007	200	<u>98</u>	14.0	7.98	9.98	209.0	2.87	0.7	0.06	
		Feb 18, 2008	2000	<u>18</u>	4.1	7.53		160.0	6.59	0	0.18	
		Jun 20, 2008	150	<u>66</u>	11.9	6.54	10.00	242.0	9.04	0.3	0.06	
		Mar 06, 2009	1000	4	3.3	7.68	12.42	209.0	2.66	0.7	0.03	
		Sep 23, 2009	100	4	12.0	7.03	10.35	255.0	5.84	0.5	0.07	
		Feb 17, 2010	500	<u>16</u>	6.1	7.67	12.85	189.0	3.80	1.0	0.03	
		Aug 30, 2010	120	6	12.1	7.44	11.43	211.0	1.90	0.3	0.07	
Tetayut Creek												
	0412-1	Apr 29, 2005	25	<u>16</u>	11.8	7.94	8.92	287.7	13.00	0.8	0.07	
		Jul 12, 2005	130	<u>268</u>	14.5	7.87	8.80	302.1	8.79	1.2	0.04	
		Apr 25, 2006	100	<u>363</u>	10.0	8.04	10.66	311.5	9.64	0.4	0.08	
		Sep 13, 2006	150	<u>76</u>	13.2		9.10	295.6	5.02	1.2	0.11	
		Mar 28, 2007	350	<u>18</u>	7.3	7.72	12.50	241.0	11.30	1.3	0.05	
		Sep 25, 2007	150	<u>3000</u>	10.9	7.79	10.57	293.0	10.10	0.2	0.13	
		Feb 18, 2008	280	<u>24</u>	4.4	7.76		276.0	6.34	0.7	0.03	
		Jul 30, 2008	120	<u>436</u>	13.1	7.67	8.84	256.0	4.38	1.7	0.08	
		Mar 05, 2009	300	<u>70</u>	6.8	7.93	10.71	319.0	5.28	0.8	0.13	
		Jul 24, 2009	25	<u>600</u>	15.2	8.17	9.72	310.0	4.11	1.4	0.08	
		Feb 17, 2010	300	<u>85</u>	6.6	7.08	12.20	270.0	10.90	1.4	0.07	
		Aug 20, 2010	100	<u>400</u>	13.4	7.88	11.41	247.0	3.30	1.1	0.09	
Tsawout Creek												
	0407-1	Apr 29, 2005	40	<u>18</u>	20.8	7.19	8.03	27720.0	16.80	0.3	0.08	
		Jul 11, 2005	5	<u>4</u>	24.3	8.23	7.08	36230.0	16.80	0	0.03	
		Apr 19, 2006	20	<u>151</u>	12.3	7.57	7.96	42750.0	4.99	0.8	0.08	
		Sep 15, 2006	40	<u>1600</u>	13.7		5.49	46910.0	8.07	0	0.10	
		Mar 20, 2007	100	<u>17</u>	10.1	7.08	9.17	33428.0	8.46	0	0.06	

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	Units		L/min	FC /100mL	°C	pH	mg/L	µS/cm	NTU	mg/L	mg/L
Water Quality Guidelines			NA	14 200	19	6.5 9	5.00	NA	8.00	2.95	0.1
0407-1	Aug 27, 2007	35	<u>60</u>	19.4	7.41	8.38	21050.0	10.40	0.2	0.10	
	Mar 11, 2008	300	<u>6</u>	12.8	7.21	12.57	35950.0	6.01	0	0.05	
	Jul 30, 2008	400	<u>80</u>	17.9	7.00	6.45	45493.0	8.95	0	0.05	
	Mar 05, 2009	400	<u>8</u>	7.1	7.84	8.24	45306.0	1.34	0.4	0.07	
	Jul 24, 2009	25	<u>6</u>	21.0	7.20	4.70	47880.0	10.50	0	0.18	
	Mar 31, 2010	250	<u>48</u>	13.5	7.38	9.85	27907.0	5.70	0.1	0.04	
	Aug 26, 2010	30	<u>128</u>	16.3	7.20	2.90	38320.0	11.50	0.5	0.20	

NA = not available

Guidelines adopted from BC MOE (or CCME if MOE unavailable) freshwater guidelines for aquatic life

Shaded values exceed applicable guidelines. Bold italicized values exceed the MOE shellfish harvesting guideline for fecal coliforms

Blank values were not measured due to low flow; phosphorus and nitrate were not measured prior to 2005.