

**Appendix F
Stormwater Quality Annual Report District of Sooke - 2004
Sampling of Major Watercourses**

Creek Name	Station No.	Station Description	Date Visited	Flow Rate (L/min)	Fecal Coliform (per/100mL)	Temperature °C	pH	Dissolved Oxygen (mg/L)	Specific Conductance (uS)	Turbidity (NTU)
Alderbrook Stream	2042A-1	point of discharge	Sep 27, 2001		110	12.2	7.1	5.67	1	
			Apr 4, 2002	100	10	8.5	7.55	11.77	143	
			Sep 24, 2002	5	30	12.1	6.98	5.73	154	
			Mar 10, 2003		40	9.2	7.77	10.3	137	10
			Sep 18, 2003	40	1600	11.9	7.51	9.35	140	27.5
			Mar 4, 2004	200	10	7.9	7.76	11.53	110.9	13.7
			Oct 1, 2004							
2042A-2	Immediately downstream of Sooke Rd	Sep 27, 2001		30	11.3	7.34	6.65	178		
		Apr 4, 2002	80	40	9.4	7.32	11.63	207		
		Sep 24, 2002	10	70	12.4	6.14	9.88	342		
		Mar 10, 2003		10	9.5	7.16	10.63	115	7.99	
		Sep 18, 2003	40	7300	14.1	6.82	9.48	100	3.04	
		Mar 4, 2004	100	10	8.7	7.41	11.18	111.3	12.6	
		Oct 1, 2004								
2042A-3	Immediately downstream of Kirby Rd	Sep 27, 2001		40	11.2	7.35	2.86	1		
		Apr 4, 2002	30	10	8.9	6.7	5.25	109		
		Sep 24, 2002								
2042A-3	Immediately downstream of Kirby Rd	Mar 10, 2003	60	10	10.5	6.67	8.58	111	12.7	
		Sep 18, 2003								
		Mar 4, 2004	60	10	7.5	6.79	9.22	50.8	4.39	
		Oct 1, 2004	20	30	10.9	6.44	2.55	5.1	31.4	
Ayum Creek	2036-1	Point of discharge to Cooper Cove	Nov 20, 1997	2000	10					
			Jan 16, 1998	3500	10					

Appendix F
Stormwater Quality Annual Report District of Sooke - 2004
Sampling of Major Watercourses

Creek Name	Station No.	Station Description	Date Visited	Flow Rate (L/min)	Fecal Coliform (per/100mL)	Temperature °C	pH	Dissolved Oxygen (mg/L)	Specific Conductance (uS)	Turbidity (NTU)
Ayum Creek	2036-1	Point of discharge to Cooper Cove	Jul 2, 1998		10					
			Jan 20, 1999		10					
			Jul 27, 1999		80					
			Feb 24, 2000		10					
			Aug 24, 2000	3	10					
			Mar 29, 2001		1	6.2	7.31	11.7	31	
			Sep 27, 2001		40	12.8	6.73	7.8	91	
			Mar 5, 2002		10	6.4	6.85	13.12	28	
			Sep 24, 2002		10	12.9	6.74	7.35	2	
			Mar 13, 2003		10	6.9	6.89	12.55	26	2.54
			Sep 15, 2003	0						
			Mar 4, 2004	300	10	6.1	7.47	12.88	29.1	0.48
			Jun 28, 2004	0						
Ayum Creek	2036-2	Hummingbird access road, 800 mm cmp under road flowing east to west	Mar 29, 2001	150	1	6	7.3	7.83	31	
			Sep 27, 2001	0						
			Mar 5, 2002	30	10	6.2	7.49	10.89	4	
			Sep 24, 2002	0						
			Mar 13, 2003	90	10	6.8	7.03	12.04	35	1.79
			Sep 15, 2003	0						
			Mar 4, 2004							
			Jun 28, 2004	0						
	2036-3	West side of Camp Hummingbird access road, at convergence of tributaries flowing north to south	Mar 29, 2001	100	1	5.8	7.05	36.6	12	

Appendix F
Stormwater Quality Annual Report District of Sooke - 2004
Sampling of Major Watercourses

Creek Name	Station No.	Station Description	Date Visited	Flow Rate (L/min)	Fecal Coliform (per/100mL)	Temperature °C	pH	Dissolved Oxygen (mg/L)	Specific Conductance (uS)	Turbidity (NTU)
Ayum Creek	2036-3	West side of Camp Hummingbird access road, at convergence of tributaries flowing north to south	Sep 27, 2001	0						
			Mar 5, 2002		10	7.4	6.71	8.41	37	
			Sep 24, 2002	0						
			Mar 13, 2003		10	7.5	6.02	3.9	41	4.34
			Sep 15, 2003	0						
			Mar 4, 2004							
			Jun 28, 2004							
Broom Hill Stream	2102-1	Point of discharge into Sooke Bay	Oct 23, 1997	8	20					
			Jan 15, 1999	30	50					
			Jul 26, 1999	0						
			Feb 28, 2000	50	10					
			Aug 23, 2000	0						
			Feb 20, 2001	40	3					
			Mar 26, 2001	40	6	10.2	7.44	10.08	22	
			Sep 28, 2001	0						
			Apr 5, 2002	30	10	8.8	7.37	10.24	91	
			Jul 24, 2002	0						
			Mar 11, 2003		10	7.7	6.59	11.7	45	12.2
			Sep 15, 2003	0						
			Feb 26, 2004	80	10	7.5	6.98	10.72	55.4	2.96
			Jun 24, 2004	0						
			2102-2	0.3 Km north of West Coast Rd on Butler Main	Mar 26, 2001	12	1	6.9	7.13	3.86

Appendix F
Stormwater Quality Annual Report District of Sooke - 2004
Sampling of Major Watercourses

Creek Name	Station No.	Station Description	Date Visited	Flow Rate (L/min)	Fecal Coliform (per/100mL)	Temperature °C	pH	Dissolved Oxygen (mg/L)	Specific Conductance (uS)	Turbidity (NTU)
Broom Hill Stream	2102-2	0.3 Km north of West Coast Rd on Butler Main	Sep 28, 2001	0						
			Apr 5, 2002	0						
			Jul 24, 2002	0						
			Mar 11, 2003		40	7.6	6.59	9.54	44	40.3
			Sep 15, 2003	0						
			Feb 26, 2004							
			Jun 24, 2004	0						
Ella Stream	2101-1	access through Otter Point Log Purchase	Oct 23, 1997	100	10					
			Jan 15, 1999	100	30					
			Jul 26, 1999	4	20					
			Feb 28, 2000	150	10					
			Aug 23, 2000	1	10					
			Feb 20, 2001	100	28					
			Oct 24, 2001	60	100					
			Apr 10, 2002	60	10	11	7.24	10.41	112	
			Sep 24, 2002		10	12.8	8.08	1.87	143	
			Mar 11, 2003	80	150	8	6.8	10.33	225	10.3
			Sep 15, 2003	0						
			Feb 26, 2004	100	50	8.2	7.19	10.02	10.24	7.04
			Jun 24, 2004	0						
Kemp Lake Stream	2103-1	Point of discharge into Sooke Bay	Oct 23, 1997	600	10					
			Jan 15, 1999	600	40					

Appendix F
Stormwater Quality Annual Report District of Sooke - 2004
Sampling of Major Watercourses

Creek Name	Station No.	Station Description	Date Visited	Flow Rate (L/min)	Fecal Coliform (per/100mL)	Temperature °C	pH	Dissolved Oxygen (mg/L)	Specific Conductance (uS)	Turbidity (NTU)
Kemp Lake Stream	2103-1	Point of discharge into Sooke Bay	Jul 26, 1999	2	90					
			Feb 28, 2000	300	10					
			Aug 23, 2000	1	60					
			Feb 20, 2001	250	1					
			Mar 26, 2001		1	9.3	7.51	10.54	56	
			Sep 27, 2001	0						
			Apr 5, 2002		10	9.8	7.22	11.85	48	
			Jul 24, 2002	0						
			Mar 11, 2003		30	7.7	7.07	12.44	46	2.43
			Sep 15, 2003	0						
			Feb 26, 2004	200	10	6.8	7.35	12.42	42.6	3.13
			Jun 26, 2004							
Kemp Lake	2103-2	Immediately downstream of Kemp Lake	Mar 26, 2001		1	10	7.03	8.1	61	
			Sep 27, 2001	5	40	10.3	6.69	9.42	71	
			Apr 5, 2002		10	9.8	6.72	11.21	48	
			Jul 24, 2002	0						
			Mar 11, 2003		10	7.6	7.07	12.29	45	1.84
			Sep 15, 2003	0						
			Feb 26, 2004							
			Jun 26, 2004							
Nott Brook	2100-1	Tsouke First nation, @ end of McMillan Rd	Oct 27, 1997	300	81					
			Aug 26, 1998		20					

Appendix F
Stormwater Quality Annual Report District of Sooke - 2004
Sampling of Major Watercourses

Creek Name	Station No.	Station Description	Date Visited	Flow Rate (L/min)	Fecal Coliform (per/100mL)	Temperature °C	pH	Dissolved Oxygen (mg/L)	Specific Conductance (uS)	Turbidity (NTU)
Nott Brook	2100-1	Tsouke First nation, @ end of McMillan Rd	Jan 22, 1999	800	90					
			Jul 26, 1999		210					
			Feb 28, 2000		120					
			Aug 23, 2000		40					
			Feb 20, 2001		32					
			Oct 24, 2001		500					
			Apr 10, 2002		70	9.7	7.41	10.26	108	
			Sep 26, 2002		20	13.1	8.67	18.3	650	
			Mar 10, 2003		30	7.6	7.14	11.09	88	6.1
			Sep 15, 2003	0						
			Mar 26, 2004	100	30	8.2	7.19	10.02	10.24	7.04
			Jun 24, 2004	25	1100	14.3	7.48	6.33	60	11.9
Saseenos / Lannon Creek	2039-1	immediately upstream of CMP under Sooke Road	Nov 27, 1997	300	120					
			Jan 15, 1998	750	70					
			Jun 30, 1998	70	270					
			Jan 19, 1999	800	20					
			Jul 26, 1999	70	190					
			Feb 24, 2000	800	10					
			Aug 24, 2000	20	730					
			Feb 20, 2001		46					
			Dec 12, 2001		320					
			Apr 10, 2002	100	40	10	7.28	10.85	102	
			Sep 27, 2002	20	100	14.5	8.45	9.97	23	

Appendix F
Stormwater Quality Annual Report District of Sooke - 2004
Sampling of Major Watercourses

Creek Name	Station No.	Station Description	Date Visited	Flow Rate (L/min)	Fecal Coliform (per/100mL)	Temperature °C	pH	Dissolved Oxygen (mg/L)	Specific Conductance (uS)	Turbidity (NTU)
Saseenos / Lannon Creek	2039-1	immediately upstream of CMP under Sooke Road	Mar 10, 2003		10	8.4	6.98	11.53	134	3.64
			Sep 15, 2003	0						
			Apr 8, 2004	100	20	11.6	7.08	11.06	82.1	3.79
			Jun 28, 2004	0						
Sooke River	2043-1	Point of discharge for Sooke River	Nov 24, 1997		10					
			Jan 16, 1998		10					
			Jul 2, 1998		210					
			Jan 20, 1999		10					
			Jul 27, 1999		50					
			Mar 2, 2000		10					
			Sep 7, 2000		20					
			Feb 20, 2001		1					
			Apr 19, 2001		5	9.9	7.15	9.69	62	
			Sep 27, 2001		470	14.5	6.69	6.57	64	
			Apr 4, 2002		10	8	7.14	12.44	52	
			Sep 26, 2002		10	12.5	6.98	10.3	36	
			Mar 12, 2003		60	6.8	7.05	12.27	35	2.89
			Sep 18, 2003		20	14.3	7.3	7.2	50	0.8
			Mar 4, 2004		70	5.5	7.61	12.82	34.6	1.43
			Jun 24, 2004		20	15.6	7.19	10.3	50	0.44
2043-1A		DeMamiel Creek, immediately upstream of bridge on Phillip Rd	Apr 10, 2002		20	8.5	7.24	11.65	27	
			Sep 26, 2002	40	40	12.4	7.14	9.32	543	
			Sep 18, 2003	0						

Appendix F
Stormwater Quality Annual Report District of Sooke - 2004
Sampling of Major Watercourses

Creek Name	Station No.	Station Description	Date Visited	Flow Rate (L/min)	Fecal Coliform (per/100mL)	Temperature °C	pH	Dissolved Oxygen (mg/L)	Specific Conductance (uS)	Turbidity (NTU)
Sooke River	2043-1A	DeMamiel Creek, immediately upstream of bridge on Phillip Rd	Mar 4, 2004	500	90	6.8	7.48	12.11	36.2	1.61
			Jun 24, 2004	90	80	15	7.21	12.47	160	0.6
	2043-1B	Baker Creek, at end of Soule Rd	Apr 10, 2002		20	9.2	7.18	10.81	40	
			Sep 26, 2002	0						
			Sep 18, 2003	0						
			Mar 4, 2004	100	10	7.5	7.01	11.42	59.8	1.59
			Jun 24, 2004	60	390	12.4	6.78	11.86	90	1.07
	2043-2	Charters Creek point of discharge into Sooke River	Apr 19, 2001		1	7.2	6.98	11.71	19	
			Sep 27, 2001		10	12.6	6.61	10.42	50	
			Apr 4, 2002		10	5.8	7.03	13.28	20	
			Sep 26, 2002	50	10	12.8	6.55	9.73	37	
			Mar 12, 2003		30	6.3	6.51	12.59	19	1.07
			Sep 18, 2003	100	10	13.2	7.02	8.78	40	0.35
			Mar 4, 2004	500	10	5.4	7.36	12.67	21.6	0.36
			Jun 24, 2004	100	10	14.3	6.93	12.06	40	0.44
	2043-3	Todd Creek point of discharge into Sooke River	Apr 19, 2001		1	6.5	6.97	11.66	28	
			Sep 27, 2001		10	11.1	6.78	10.44	60	
			Apr 4, 2002		10	5.7	7.62	12.9	20	
			Sep 26, 2002	10	10	11.9	6.84	9.78	48	
			Mar 12, 2003		10	6.6	6.71	12.4	17	0.65
			Sep 18, 2003	0						
			Mar 4, 2004	200	10	5.8	7.65	12.11	22.9	0.29

Appendix F
Stormwater Quality Annual Report District of Sooke - 2004
Sampling of Major Watercourses

Creek Name	Station No.	Station Description	Date Visited	Flow Rate (L/min)	Fecal Coliform (per/100mL)	Temperature °C	pH	Dissolved Oxygen (mg/L)	Specific Conductance (uS)	Turbidity (NTU)
Sooke River	2043-3	Todd Creek point of discharge into Sooke River	Jun 24, 2004	80	10	14.6	7.21	9.38	50	2.58
	2043-4	Sooke River near Juan De Fuca EA / District of Sooke border	Apr 19, 2001		1	7.2	6.82	11.57	27	
			Sep 27, 2001		60	15.2	6.88	6.97	73	
			Apr 4, 2002		10	5.7	7.25	12.98	15	
			Sep 26, 2002		10	14.6	7.03	10.69	74	
			Mar 12, 2003		20	5.5	6.45	13.38	13	5.4
	2043-4	Sooke River near Juan De Fuca EA / District of Sooke border	Sep 18, 2003	300	20	14.5	7.38	7	40	0.6
			Mar 4, 2004		10	5.6	7.65	12.4	18.9	0.57
			Jun 24, 2004		10	18.8	7.35	10.04	50	0.88
	Throup Stream	2046-1	Belvista Pl, east side of Cooper Cove Oyster Farm	Nov 24, 1997	200	240				
Jan 16, 1998				650	710					
Jul 2, 1998				80	210					
Jan 22, 1999				600	140					
Jul 27, 1999				75	100					
Feb 19, 2001				150	28					
Oct 22, 2001				60	830					
Apr 10, 2002				80	10	11	7.33	11.67	705	
Sep 26, 2002				10	50	11.5	7.21	9.32	1124	
Mar 10, 2003				80	10	10.7	7.19	9.85	216	7.61
Sep 16, 2003				10	70	11.3	7.26	9.9	764	4.03
Apr 8, 2004				60	10	13	7	10.51	810	4.87
Jun 28, 2004				60	320	13.6	7.34	9.69	2290	4.73

Appendix F
Stormwater Quality Annual Report District of Sooke - 2004
Sampling of Major Watercourses

Creek Name	Station No.	Station Description	Date Visited	Flow Rate (L/min)	Fecal Coliform (per/100mL)	Temperature °C	pH	Dissolved Oxygen (mg/L)	Specific Conductance (uS)	Turbidity (NTU)
Veitch Creek	2030-1	Point of discharge into Hutchinson Cove	Nov 20, 1997	2000	60					
			Jan 19, 1998	5000	25					
Veitch Creek	2030-1	Point of discharge into Hutchinson Cove	Jan 22, 1999		30					
			Jul 7, 1999	150	30					
			Mar 21, 2000		10					
			Aug 24, 2000	30	20					
			Feb 27, 2001		7					
			Mar 26, 2001		14	7	7.57	12.39	59	
			Sep 27, 2001		40	10.7	7.68	9.95	160	
			Apr 4, 2002		10	5.5	7.35	13.8	49	
			Sep 24, 2002	75	80	11.4	7.42	9.98	108	
			Mar 3, 2003		10	7.4	7.27	12.62	41	3.1
			Sep 15, 2003	30	10	12.7	7.77	7.83	167	1.31
			Mar 4, 2004	700	10	6.3	7.89	11.33	51.6	0.64
			Jun 28, 2004	90	60	14.6	7.63	10.18	111.6	0.8
2030-2	District of Sooke/ Juan De Fuca EA border. Between 1848 and 1850 Connie Rd	Mar 26, 2001		27	7.4	7.58	11.58	59		
		Sep 27, 2001		40	11.2	6.97	7.67	111		
		Apr 4, 2002		10	5.5	7.35	13.34	48		
		Sep 24, 2002	0							
		Mar 3, 2003		20	7.4	7.77	12.16	40	2.07	
		Sep 15, 2003	0							
		Mar 4, 2004	500	10	6.1	7.58	11.89	52.2	0.73	

Appendix F
Stormwater Quality Annual Report District of Sooke - 2004
Sampling of Major Watercourses

Creek Name	Station No.	Station Description	Date Visited	Flow Rate (L/min)	Fecal Coliform (per/100mL)	Temperature °C	pH	Dissolved Oxygen (mg/L)	Specific Conductance (uS)	Turbidity (NTU)
Veitch Creek	2030-2	District of Sooke/ Juan De Fuca EA border. Between 1848 and 1850 Connie Rd	Jun 28, 2004		50	15.8	6.86	6.92	226.6	0.38
	2030-3	Juan De Fuca EA/ Metchosin border. South side of 4976 Sooke Rd, flow from north to south	Mar 26, 2001	180	101	6.6	7.54	9.95	42	
			Sep 28, 2001							
			Apr 4, 2002	100	10	5.4	7.38	13.4	17	
			Sep 24, 2002	0						
			Mar 3, 2003		10	7	7.02	12.33	30	0.91
			Sep 15, 2003	0						
			Mar 4, 2004	200	10	5.8	6.89	12.75	35.6	0.42
			Jun 28, 2004	0						
	2030-4	border. South side of 4976 Sooke Rd, flow from east to	Mar 26, 2001		22	7.2	7.59	11.37	62	
			Sep 27, 2001		20	10.4	6.81	7.35	121	
			Apr 4, 2002	250	10	5.3	6.83	13.21	21	
			Sep 24, 2002		10	14.5	6.55	6.67	103	
			Mar 3, 2003		10	7.2	6.94	12.07	43	2.81
Sep 15, 2003			0							
Mar 4, 2004			300	10	5.9	7.44	12.44	54.7	0.83	
Jun 28, 2004			20	30	14.5	6.88	7.9	88	0.65	
Wright Road Creek	2064-1	north side of 1729 Whiffin Spit Rd	Nov 27, 1997	120	45					
			Jan 15, 1998	225	1800					
			Jun 30, 1998	4	30					

Appendix F
Stormwater Quality Annual Report District of Sooke - 2004
Sampling of Major Watercourses

Creek Name	Station No.	Station Description	Date Visited	Flow Rate (L/min)	Fecal Coliform (per/100mL)	Temperature °C	pH	Dissolved Oxygen (mg/L)	Specific Conductance (uS)	Turbidity (NTU)
			Jan 19, 1999	400	70					
			Jul 26, 1999	3	10					
			Feb 19, 2001	70	18					
			Nov 1, 2001	2	60					
			Apr 10, 2002	50	40	10.3	7.35	10.85	108	
			Sep 27, 2002	0						
			Mar 10, 2003	100	40	8.7	7.34	10.8	641	6.37
			Sep 15, 2003	0						
			Mar 8, 2004	150	80	9.2	6.9	11.04	92.8	
			Jun 24, 2004							