

South East Kelowna Irrigation District

- Monthly Water Quality Sampling Stations -

SITE LOCATION & DATE	TEMP °C	pH	COLOUR APPARENT	COLOUR T.C.U	CONDUCTIVITY umhos/cm	TURBIDITY NTU	TOTAL	TOTAL	FREE CL MG/L	TOTAL CL MG/L	O-PO4-P MG/L	Total Coliform CFU/100 mL	E. Coli CFU/100 mL	N-NO3 MG/L
							IRON MG/L	AMMONIA-N MG/L						
SEKID INTAKE (PRIOR TO CL2)														
23-Jan-11	1.0	7.43	103	67	118.2	4.23	1.04	0.28	65	6.0	na	0.05	*19	2
27-Feb-11	1.0	7.49	91	57	102.9	3.58	1.33	0.24	60	5.6	na	0.12	*33	<1
27-Mar-11	3.0	7.50	87	62	113.3	3.60	1.19	0.24	60	5.4	na	0.14	*25	4
24-Apr-11	5.0	7.63	118	86	134.4	5.26	0.88	0.38	70	6.6	na	0.08	*31	7
23-May-11	7.0	7.56	135	118	64.9	3.07	0.31	0.77	40	4.0	na	0.15	*60	4
19-Jun-11	10.0	7.38	106	82	56.3	2.38	0.32	0.5	32	3.6	na	0.06	**overgrown	68
24-Jul-11	14.0	7.25	136	76	40.6	5.48	0.55	0.47	29	4.4	na	0.11	*>410	4
28-Aug-11	15.0	7.23	100	71	39.4	2.66	0.43	0.38	27	2.80	na	0.09	*>200	<1
23-Sep-11	15.0	7.27	89	63	43.4	3.02	0.36	0.4	27	3.7	na	0.08	*550	3
30-Oct-11	4.0	7.63	74	54	84.9	1.48	0.46	0.31	52	6.0	na	0.05	*160	3
Nov 20-11	1.0	7.42	68	51	98.8	1.44	0.51	0.38	53	6.0	na	0.10	*88	1
Dec 18-11	1.5	7.55	62	39	88.4	1.90	0.59	0.24	65	6.2	na	0.05		
RECORDER BUILDING														
23-Jan-11	2.5	7.01	61	40	117.9	3.60	0.93	0.08	63	2.87	3.15	0.04	<1	<1
27-Feb-11	1.5	7.04	55	29	125.5	3.62	1.45	0.12	64	1.63	2.00	0.08	<1	<1
27-Mar-11	2.5	7.15	56	32	121.3	3.30	1.19	0.07	56	2.52	3.08	0.05	<1	<1
24-Apr-11	4.0	7.12	74	38	146.3	4.35	0.85	0.21	71	2.36	2.7	0.07	<1	<1
23-May-11	7.5	6.60	72	62	74.1	2.90	0.32	0.63	40	2.33	2.88	0.08	<1	<1
19-Jun-11	10.0	6.79	61	38	64.2	2.03	0.28	0.44	31	1.95	2.32	0.03	<1	<1
24-Jul-11	13.5	6.63	83	43	48.2	5.22	0.6	0.44	28	2.70	3.27	0.08	<1	<1
28-Aug-11	15.0	6.65	74	37	45.3	3.19	0.45	0.25	27	1.90	2.32	0.04	<1	<1
23-Sep-11	15.0	6.67	65	33	50.1	2.51	0.4	0.34	24	2.97	4.92	nd	<1	<1
30-Oct-11	4.5	7.16	41	16	92.5	1.56	0.38	0.07	50	2.05	2.54	0.03	<1	<1
Nov 20-11	3.0	6.91	33	22	99.6	1.51	0.45	0.2	52	2.36	2.78	nd	<1	<1
Dec 18-11	1.5	7.02	33	23	96.7	1.83	0.45	0.03	62	1.86	2.17	0.05		
TODD AND SAUCIER RDS														
23-Jan-11	3.5	7.00	56	34	122.9	3.51	0.92	0.12	62	1.58	1.97	0.06	<1	<1
27-Feb-11	2.0	7.08	55	16	121.1	3.42	1.37	0.12	60	1.56	1.83	0.09	<1	<1
27-Mar-11	3.0	7.15	57	35	123.8	3.45	1.15	0.11	63	1.49	1.77	0.08	<1	<1
24-Apr-11	5.0	7.10	86	29	149.0	5.01	0.93	0.18	70	1.98	2.19	0.09	<1	<1
23-May-11	8.5	6.68	77	58	74.2	3.14	0.41	0.58	40	0.70	1.11	0.09	<1	<1
19-Jun-11	10.5	6.81	62	43	65.4	2.00	0.29	0.39	27	1.07	1.45	0.02	<1	<1
24-Jul-11	14.5	6.59	90	37	49.4	4.39	0.62	0.43	27	1.27	1.66	0.07	<1	<1
28-Aug-11	16.0	6.68	77	30	44.9	3.08	0.42	0.34	20	0.76	1.02	0.08	<1	<1
23-Sep-11	16.0	6.71	67	30	51.7	2.87	0.4	0.38	23	1.28	1.64	0.06	<1	<1
30-Oct-11	5.5	7.18	34	19	95.9	1.74	0.35	0.14	51	1.61	1.88	0.07	<1	<1
Nov 20-11	3.5	6.94	38	25	113	1.53	0.62	0.19	63	1.96	2.31	nd	<1	<1
Dec 18-11	3.0	7.01	38	14	100.1	1.89	0.5	0.08	54	1.73	2.02	0.07		

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							IRON MG/L	AMMONIA-N MG/L	HARDNESS as CaCO3 mg/L	FREE CL MG/L	TOTAL CL MG/L				O-PO4-P MG/L
HART @ GULLEY RDS.															
23-Jan-11	6.0	7.02	50	39	119.8	3.21	0.83	0.14	60	0.69	0.91	0.07	<1	<1	
27-Feb-11	4.0	7.06	53	22	131.0	3.70	1.35	0.14	65	0.12	0.46	0.09	<1	<1	
27-Mar-11	4.0	7.19	60	41	124.7	3.74	1.20	0.08	60	0.77	1.06	0.10	<1	<1	
24-Apr-11	5.0	7.11	85	37	148.4	5.54	1.03	0.20	69	1.58	1.98	0.16	<1	<1	
23-May-11	8.5	6.69	90	63	75.2	3.44	0.55	0.63	44	0.81	1.18	0.10	<1	<1	
19-Jun-11	10.5	6.78	64	36	65.4	2.47	0.42	0.46	32	0.94	1.31	0.01	<1	<1	
24-Jul-11	14.0	6.56	85	34	48.9	4.17	0.62	0.34	31	1.53	1.99	0.05	<1	<1	
28-Aug-11	16.5	6.68	79	26	45.0	3.15	0.47	0.26	24	0.93	1.24	0.07	<1	<1	
23-Sep-11	16.5	6.73	75	29	51	3.23	0.49	0.43	24	1.3	1.69	0.08	<1	<1	
30-Oct-11	9.5	7.19	35	21	98.3	1.35	0.35	0.18	50	0.10	0.29	0.03	<1	<1	
Nov 20-11	6.5	6.93	31	20	115.2	1.56	0.49	0.2	60	0.02	0.28	0.04	<1	<1	
Dec 18-11	6.0	6.98	22	12	111.6	1.74	0.46	0.10	60	0.16	0.43	0.05			
STEWART @ SAUCIER RDS.															
23-Jan-11	4.0	7.08	66	34	127.7	3.59	0.95	0.12	59	1.03	1.36	0.04	<1	<1	
27-Feb-11	2.5	7.11	44	28	118.6	3.27	1.42	0.13	65	1.02	1.29	0.01	<1	<1	
27-Mar-11	4.0	7.20	56	44	124.8	3.46	1.22	0.08	61	0.88	1.16	0.08	<1	<1	
24-Apr-11	5.0	7.12	88	38	148.5	5.42	1.04	0.16	70	1.21	1.4	0.14	<1	<1	
23-May-11	9.0	6.70	82	67	73.5	3.33	0.36	0.59	41	0.3	0.49	0.12	<1	<1	
19-Jun-11	10.5	6.78	60	42	65.3	2.13	0.32	0.46	34	0.15	0.32	0.01	<1	<1	
24-Jul-11	14.0	6.52	90	40	50.5	4.43	0.61	0.49	30	0.72	0.88	0.07	<1	<1	
28-Aug-11	16.0	6.68	76	30	45.1	2.99	0.44	0.26	25	0.26	0.51	0.08	overgrown	overgrown	
23-Sep-11	16.5	6.75	76	31	51.9	2.79	0.43	0.38	25	0.64	0.98	0.07	<1	<1	
30-Oct-11	7.5	7.23	32	23	95.4	1.31	0.45	0.15	47	0.28	0.56	0.04	<1	<1	
Nov 20-11	3.5	6.96	38	28	103.4	1.75	0.59	0.11	55	0.97	1.27	0.02	<1	<1	
Dec 18-11	4.5	7.01	20	12	104.8	1.77	0.53	0.13	59	0.78	1.07	0.07			
JOHNSON RD (Well Water)															
23-Jan-11	10.0	7.56	0	0	454	0.14	0.01	0.02	236	na	na	0.11	<1	<1	4.6
27-Feb-11	9.5	7.50	0	0	452	0.19	0.02	nd	226	na	na	0.08	<1	<1	4.8
27-Mar-11	9.5	7.48	0	0	455	0.19	0.02	0.03	230	na	na	0.16	<1	<1	4.7
24-Apr-11	9.5	7.50	1	0	459	0.27	nd	0.01	220	na	na	0.23	<1	<1	4.8
23-May-11	10.5	7.55	0	0	461	0.23	0.02	0.01	210	na	na	0.1	<1	<1	5.7
19-Jun-11	10.5	7.54	0	0	457	0.29	0.01	0.02	204	na	na	0.05	<1	<1	5.3
24-Jul-11	10.5	7.45	0	0	450	0.3	0.01	0.05	212	na	na	0.06	<1	<1	5.0
28-Aug-11	10.5	7.41	0	0	443	0.29	0.03	nd	224	na	na	0.15	<1	<1	4.8
23-Sep-11	10.5	7.47	0	0	440	0.23	0.01	0.02	210	na	na	0.13	<1	<1	4.4
30-Oct-11	10.0	7.47	0	0	445	0.23	0.02	0.07	210	na	na	0.14	<1	<1	5.0
Nov 20-11 (surface water)	5.0	6.94	40	19	106.6	2.72	0.53	0.15	52	0.81	1.36	0.01	<1	<1	na
Dec 18-11	9.5	7.43	0	0	450	0.12	0.01	0.02	225	na	na	0.11			4.5

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							IRON MG/L	AMMONIA-N MG/L	HARDNESS as CaCO3 mg/L	FREE CL MG/L	TOTAL CL MG/L				O-PO4-P MG/L
DUNSTER RD															
23-Jan-11	5.0	7.04	58	34	128.3	3.55	0.95	0.13	63	0.94	1.24	0.04	<1	<1	
27-Feb-11	2.5	7.07	47	26	121.2	3.29	1.39	0.12	66	1.02	1.23	0.03	<1	<1	
27-Mar-11	4.0	7.22	64	32	127.7	3.61	1.21	0.1	62	0.90	1.20	0.05	<1	<1	
24-Apr-11	5.5	7.12	74	40	153	4.41	0.93	0.16	68	0.88	1.21	0.20	<1	<1	
23-May-11	9.5	6.76	73	58	74.9	3.00	0.35	0.62	40	0.76	1.13	0.12	<1	<1	
19-Jun-11	11.5	6.78	66	30	65.1	1.89	0.3	0.44	34	0.80	1.14	0.05	<1	<1	
24-Jul-11	14.0	6.52	81	37	49.4	4.22	0.59	0.34	28	1.17	1.52	0.03	<1	<1	
28-Aug-11	16.5	6.67	74	34	45.3	3.10	0.43	0.24	24	0.87	1.14	0.11	<1	<1	
23-Sep-11	16.0	6.73	79	33	51.3	2.91	0.42	0.4	25	1.21	1.57	0.03	<1	<1	
30-Oct-11	9.0	7.24	41	26	96.7	1.45	0.37	0.12	52	0.22	0.50	0.06	<1	<1	
Nov 20-11	5.0	6.96	44	19	107.7	1.99	0.61	0.08	54	1.56	2.01	0.06	<1	<1	
Dec 18-11	4.0	7.01	24	15	105.4	1.70	0.46	0.08	60	0.81	1.12	0.06			
FIELD RD RESERVOIR															
23-Jan-11	2.5	7.06	70	43	134.5	3.40	0.83	0.07	62	2.58	3.18	0.08	<1	<1	
27-Feb-11	1.5	7.05	53	26	136.6	3.46	1.32	0.09	60	1.77	2.08	0.04	<1	<1	
27-Mar-11	2.5	7.17	65	25	139.2	4.26	1.23	0.13	58	1.83	2.16	0.09	<1	<1	
24-Apr-11	4.0	7.13	71	32	152.9	4.64	0.97	0.14	70	1.35	1.71	0.13	<1	<1	
23-May-11	8.0	6.68	67	48	90.4	3.28	0.37	0.57	37	1.45	2.05	0.11	<1	<1	
19-Jun-11	10.0	6.79	49	25	90.0	1.86	0.32	0.41	32	1.10	1.41	0.08	<1	<1	
24-Jul-11	14.0	6.52	67	28	80.5	3.72	0.57	0.20	28	3.98	4.68	0.05	<1	<1	
28-Aug-11	16.0	6.6	66	28	56.7	2.88	0.44	0.24	20	0.8	1.11	0.09	<1	<1	
23-Sep-11	14.5	6.74	62	27	66.5	2.59	0.41	0.36	24	2.19	2.51	0.02	<1	<1	
30-Oct-11	5.0	7.21	41	25	106.9	1.58	0.37	0.03	50	1.51	2.04	0.06	<1	<1	
Nov 20-11	2.0	6.95	32	14	122.7	1.80	0.47	0.10	55	2.09	2.40	0.05	<1	<1	
Dec 18-11	1.5	6.95	26	13	115.1	1.79	0.53	0.04	50	2.16	2.53	0.10			
GASPODONE RD															
23-Jan-11	5.0									0.86	1.15		<1	<1	
27-Feb-11	3.5									0.55	0.84		<1	<1	
27-Mar-11	4.5									0.80	1.12		<1	<1	
24-Apr-11	7.0									1.44	1.84		<1	<1	
23-May-11	11.0									0.43	0.77		<1	<1	
19-Jun-11	13.0									1.47	1.97		<1	<1	
24-Jul-11	17.0									1.58	1.86		<1	<1	
28-Aug-11	18.5									1.28	1.63		<1	<1	
23-Sep-11	18.0									2.11	2.43		<1	<1	
30-Oct-11	11.0									1.90	2.32		<1	<1	
Nov 20-11	7.0									1.59	2.00		<1	<1	
Dec 18-11	5.0									1.18	1.55				
*estimated, background growth over 200															
**estimated, background growth over 2000															