

Appendix G

DATA TABLES CORRESPONDING TO FIGURES 2 - 28 IN PARTS I AND II

Figure 2: Summary information based on administrative boundaries within the study area.

Administrative Boundary	Number of Segments	Length of Shoreline (m)	% Natural		% Disturbed	
			% Natural	% Disturbed	Natural	Disturbed
RDCO North Westside OCP Area	52	38115.9	0.64	0.36	24394.18	13721.72
City of Kelowna	52	35504.7	0.37	0.63	13292.96	22211.74
RDCO Westside OCP Area	23	20420.5	0.29	0.71	5940.323	14480.18
District of Lake Country	31	18344.2	0.55	0.45	10096.65	8247.552
RDCO South Slopes	3	4908.6	0.86	0.14	4233.177	675.4234
Tsinstikeptum I.R. # 9 and I.R. #10	4	4592.528	0.02	0.98	91.85056	4500.677
TOTAL	165	121886			58049.13	63837.29

Figure 3: Summary of adjacent land use within the study area.

Primary Land Use	Length of Shoreline (m)	Total %
Rural (41%)	50306.8	41%
Urban Residential (20%)	24137	20%
Park (19%)	23207.1	19%
Commercial (9%)	11261.9	9%
Agriculture (5%)	5766.1	5%
Industrial (3%)	3256.6	3%
Crown (3%)	3210.9	3%
Institutional (<1%)	740	<1%

Figure 4: Summary of primary shore type within the study area.

Primary Shore Type	Length of Shoreline (m)	Total %
Gravel Beach	36962.9	30%
Cliff/Bluff	26114.3	21%
Vegetated Shore	23951	20%
Sand Beach	23113	19%
Low Rocky Shore	10741.8	9%
Wetland	1003.4	1%
TOTAL	121886.4	

Figure 5: Summary of modifications for entire study area.

Jurisdiction	Shoreline Length (m)	Docks	Retaining Walls	Groynes	Boat Launches	Marine Railways	Marinas
		#	#	#	#	#	#
RDCO South Slopes	4908	6	1	0	0	0	0
City of Kelowna	36073	392	241	31	15	17	4
District of Lake Country	17777	203	103	6	10	13	1
RDCO North Westside OCP Area	38176	268	171	51	29	15	2
Westside OCP Area	20363	220	176	33	8	1	0
IR 9 and 10	4589.4	55	30	4	2	0	1
TOTAL	121886.4	1144	722	125	64	46	8

#/km	Docks	Retaining Walls	Groynes	Boat Launches	Marine Railways	Marinas
RDCO South Slopes	1.22	*	0.00	0.00	0.00	0.00
City of Kelowna	10.87	*	0.86	0.42	0.47	0.11
District of Lake Country	11.42	*	0.34	0.56	0.73	0.06
RDCO North Westside OCP Area	7.02	*	1.34	0.76	0.39	0.05
Westside OCP Area	10.80	*	1.62	0.39	0.05	0.00

Summary	Docks	Retaining Walls	Groynes	Boat Launches	Marine Railways	Marinas
Total # structures	1089	692	125	64	46	8
Total shoreline length (m)	117293	117293	117293	117293	117293	117293
Total #/km	9.284442	*	1.065707	0.545642	0.39218	0.068205

* This value cannot be calculated as length of each retaining wall was not determined

Figure 6: Summary of land use disturbance for RDCO South Slopes.

Primary Land Use	Natural	Disturbed	Total Length	Natural%	Disturbed%
Rural	3895	450	4345	90%	10%
Urban Residential	-	-	-	-	-
Park	-	-	-	-	-
Commercial	-	-	-	-	-
Agricultural	338	225	563	60%	40%
Industrial	-	-	-	-	-
Crown	-	-	-	-	-
Institutional	-	-	-	-	-
TOTAL			4908		

Figure 7: Summary of shore type disturbance for RDCO South Slopes.

Primary Shore Type	Natural	Disturbed	Total length	Natural %	Disturbed %
Gravel Beach	728	270	998	73%	27%
Cliff/Bluff	2727	315	3042	90%	10%
Vegetated Shore	-	-	-	-	-
Sand Beach	-	-	-	-	-
Low Rocky Shore	779	90	869	90%	10%
Wetland	-	-	-	-	-
TOTAL			4909		

Figure 8: Summary of modifications for RDCO South Slopes.

Modifications	Total #	#/km	Total shore length: 4908
Docks	6	1.222494	
Retaining Walls	1	0.203749	
Groynes	-	-	
Boat Launches	-	-	
Marine Railways	-	-	
Marinas	-	-	

Figure 9: Summary of foreshore impact values for RDCO South Slopes.

Disturbance Level	Number of Segments	Length of Shoreline (m)	% Of Total
Low	3	4909	100%
Moderate	-	-	-
High	-	-	-
TOTAL	3	4909	100%

Figure 10: Summary of land use disturbance within the City of Kelowna.

Primary Land Use	Natural	Disturbed	Total Length	Natural%	Disturbed%
Rural	9591	6742	16333	59%	41%
Urban Residential	808	8420	9228	9%	91%
Park	2284	5313	7597	30%	70%
Commercial	0	768	768	0%	100%
Agricultural	543	276	819	66%	34%
Industrial	-	450	450	0%	100%
Crown	-	-	-	-	-
Institutional	-	310	310	0%	100%
TOTAL			35505		

Figure 11: Summary of shore type disturbance within the City of Kelowna.

Primary Shore Type	Natural	Disturbed	Total length	Natural %	Disturbed %
Gravel Beach	3052.8	4593.9	7646.7	40%	60%
Cliff/Bluff	5865.6	1829	7694.6	76%	24%
Vegetated Shore	2019	1663	3681.3	55%	45%
Sand Beach	709	12280	12989.1	6%	94%
Low Rocky Shore	1641	1780	3421.3	48%	52%
Wetland	-	-	71.3	-	-
TOTAL			35504.3		

Figure 12: Summary of modifications within the City of Kelowna.

Modifications	Total #	#/km	Total Shore Length: 36073
Docks	392	10.86685	
Retaining Walls	241	6.680897	
Groynes	31	0.859369	
Boat Launches	15	0.415823	
Marine Railways	17	0.471267	
Marinas	4	0.110886	

Figure 13: Summary of foreshore impact values for the City of Kelowna.

Disturbance Level	Number of Segments	Length of Shoreline (m)	% Of Total
Low	11	9861	27%
Moderate	7	5439	15%
High	34	20772	58%
TOTAL		36072	

Figure 14: Summary of land disturbance within District of Lake Country.

Primary Land Use	Natural	Disturbed	Total Length	Natural%	Disturbed%
Rural	4979	3889	8868	56%	44
Urban Residential	475	1833	2308	20%	80
Park	483	613	1096	44%	56
Commercial	25	230	255	10%	90
Agricultural	653	1285	1938	34%	66
Industrial	602	67	669	-	-
Crown	3091	120	3211	96	4
Institutional	-	-	-	-	-
TOTAL			18345		

Figure 15: Summary of shore type disturbance within District of Lake Country.

Primary Shore Type	Natural	Disturbed	Total length	Natural %	Disturbed %
Gravel Beach	4036	5811	9847	41%	59%
Cliff/Bluff	2262	802	3064	74%	26%
Vegetated Shore	3430	1492	4922	70%	30%
Sand Beach	-	-	-	-	-
Low Rocky Shore	368	143	511	72%	28%
Wetland	-	-	-	-	-
TOTAL			18344		

Figure 16: Summary of modifications for District of Lake Country.

Modifications	Total #	#/km	Total Shore Length: 18344
Docks	203	11.06629	
Retaining Walls	103	5.614915	
Groynes	6	0.327082	
Boat Launches	10	0.545137	
Marine Railways	13	0.708679	
Marinas	1	0.054514	

Figure 17: Summary of foreshore impact values for District of Lake Country.

Disturbance Level	Number of Segments	Length of Shoreline (m)	% Of Total
Low	13	6663	36%
Moderate	7	6385	35%
High	11	5296	29%
total		18344	

Figure 18: Summary of land use disturbance within RDCO North Westside OCP area.

Primary Land Use	Natural	Disturbed	Total Length	Natural%	Disturbed%
Rural	11304	6456	17760	64%	36
Urban Residential	1400	2893	4293	33%	67
Park	8511	1394	9905	86%	14
Commercial	2541	1754	4295	59%	41
Agricultural	-	-	-	-	-
Industrial	-	1433	1433	0%	100
Crown	-	-	-	-	-
Institutional	-	430	430	0%	100
TOTAL			38116		

Figure 19: Summary of shore type disturbance within the RDCO North Westside OCP area.

Primary Shore Type	Natural	Disturbed	Total Length	Natural %	Disturbed %
Gravel Beach	4119	7509	11628	35%	65%
Cliff/Bluff	8009	1773	9782	82%	18%
Vegetated Shore	8635	2334	10969	79%	21%
Sand Beach	271	401	672	40%	60%
Low Rocky Shore	3361	1705	5066	66%	34%
Wetland	-	-	-	-	-
TOTAL		13722	38117		

Figure 20: Summary of modifications for the RDCO North Westside OCP area.

Modifications	Total #	#/km	Total Shore Length: 38176
Docks	268	7.020117	
Retaining Walls	171	4.479254	
Groynes	51	1.335918	
Boat Launches	29	0.75964	
Marine Railways	15	0.392917	
Marinas	2	0.052389	

Figure 21: Summary of foreshore impact values for the RDCO North Westside OCP area.

Disturbance Level	Number of Segments	Length of Shoreline (m)	% Of Total
Low	25	19194	50%
Moderate	16	10644	28 %
High	11	8278	22%
TOTAL		38116	

Figure 22: Summary of land use disturbance within the RDCO Westside OCP area.

Primary Land Use	Natural	Disturbed	Total Length	Natural%	Disturbed%
Rural	2057	944	3001	69%	31
Urban Residential	599	7369	7968	8%	92
Park	1986	2624	4610	43%	57
Commercial	44	1647	1691	3%	97
Agricultural	1190	1256	2446	49%	51
Industrial	70	634	704	10%	90
Crown	-	-	-	-	-
Institutional	-	-	-	-	-
TOTAL			20420		

Figure 23: Summary of shore type disturbance within the RDCO Westside OCP Area.

Primary Shore Type	Natural	Disturbed	Total Length	Natural %	Disturbed %
Gravel Beach	511	6129	6640	8%	92%
Cliff/Bluff	1715	817	2532	68%	32%
Vegetated Shore	2937	1441	4378	67%	33%
Sand Beach	181	4883	5064	4%	96%
Low Rocky Shore	210	665	875	24%	76%
Wetland	387	545	932	42	58
TOTAL			20421		

Figure 24: Summary of modifications within the RDCO Westside OCP area.

Modifications	Total #	#/km	Total Shore Length: 20421
Docks	220	10.77322	
Retaining Walls	176	8.618579	
Groynes	33	1.615984	
Boat Launches	8	0.391754	
Marine Railways	1	0.048969	
Marinas	-	-	

Figure 25: Summary of foreshore impact values for RDCO Westside OCP area.

Disturbance Level	Number of Segments	Length of Shoreline (m)	% Of Total
Low	4	4562	22%
Moderate	4	2685	13%
High	15	13174	65%
TOTAL		20421	

Figure 26: Summary of dominant shore type and recent kokanee spawning activity (since 2001) in the Central Okanagan.

Dominant Shore type	Number of segments exhibiting recent kokanee shore spawning activity	Percent of each shore type exhibiting recent kokanee shore spawning activity
Gravel Beach	9	15
Vegetated Shore	13	34
Low Rocky Shore	6	75
Cliff/Bluff	26	83
TOTAL	54	

Figure 27: Summary of dominant substrate and recent kokanee spawning activity (since 2001) in the Central Okanagan.

Dominant Substrate	Number of segments exhibiting recent kokanee shore spawning activity	Percent of segments exhibiting recent kokanee shore spawning activity
Gravel	22	23
Boulder	9	78
Bedrock	23	82
TOTAL	54	

Figure 28: Summary of disturbance level and recent kokanee spawning activity (since 2001) in the Central Okanagan.

Disturbance Level	Number of segments exhibiting recent kokanee shore spawning activity	Percent of total
Low	32	66
Moderate	17	46
High	5	10
TOTAL	54	