

APPENDIX Q

BC Parks



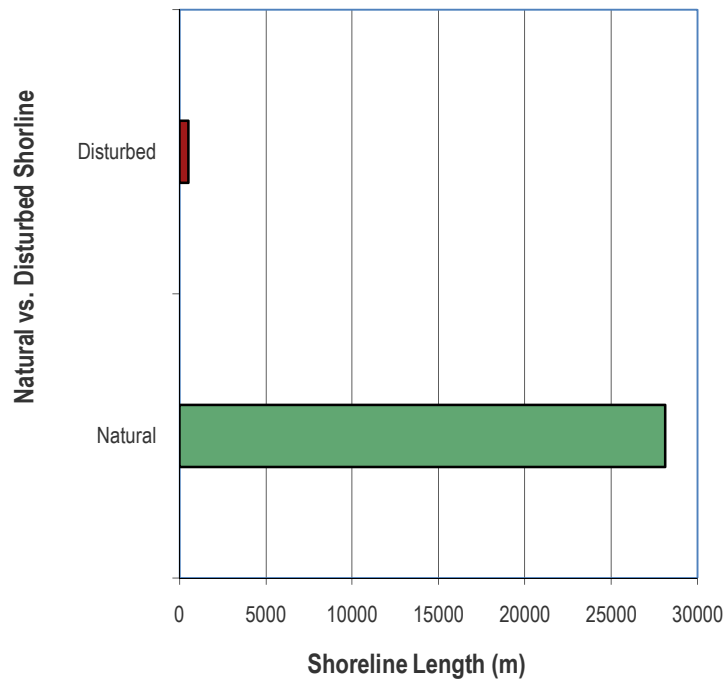


Figure 1: The percent of natural and disturbed shoreline.

Table 1: The total shore length of percentage of shore length along Okanagan Lake

	% of Shoreline	Shore Length (m)
Natural	98.14%	28117
Disturbed	1.86%	532
Total		28649.2



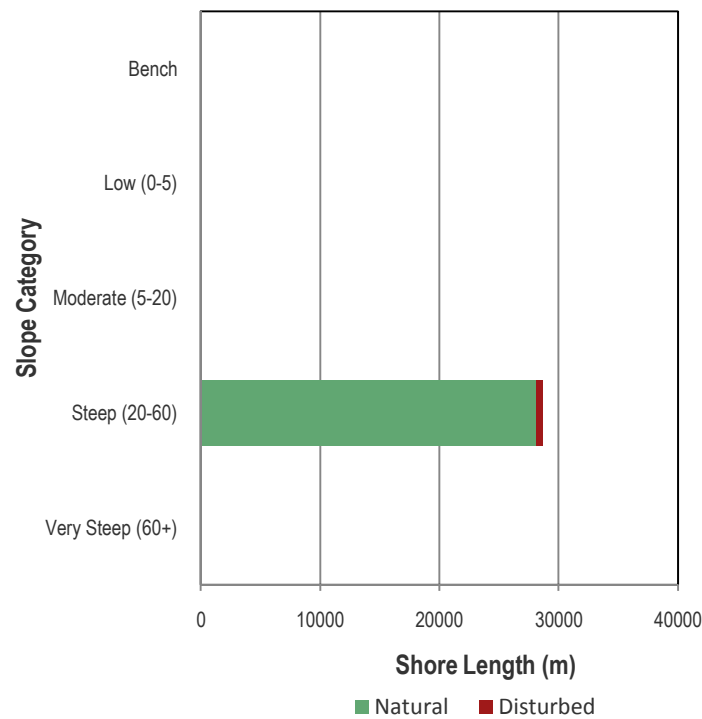


Figure 2: The length of natural and disturbed shorelines in each slope category.

Table 2: The percentage of natural and disturbed shore lengths within each of the different slope categories.

Slope	% of Total Shore Length	Total Shore Length (m)	Shore Length Natural (m)	Shore Length Disturbed (m)	% Natural	% Disturbed
Very Steep (60+)	0.0	0	0	0	0	0
Steep (20-60)	100.0	28649	28117	532	98.1	1.9
Moderate (5-20)	0.0	0	0	0	0	0
Low (0-5)	0.0	0	0	0	0	0
Bench	0.0	0	0	0	0	0
Total	100.0	28649	28117	532	98.1	1.9



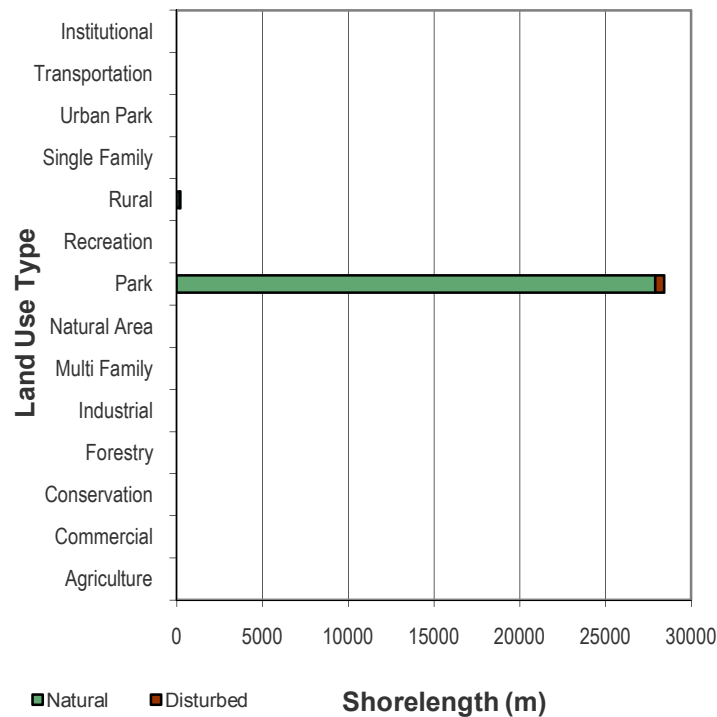


Figure 3: The length of natural and disturbed shoreline in each land use category

Table 3: The total length of natural and disturbed shorelines and their associated land uses around Okanagan Lake

	% of Shoreline Length	Shoreline Length (m)	Natural Shore Length (m)	Disturbed Shore Length (m)	% Natural	% Disturbed
Agriculture	0.0%	0	0	0	0	0
Commercial	0.0%	0	0	0	0	0
Conservation	0.0%	0	0	0	0.0%	0.0%
Forestry	0.0%	0	0	0	0.0%	0.0%
Industrial	0.0%	0	0	0	0.0%	0.0%
Multi Family	0.0%	0	0	0	0	0
Natural Area	0.0%	0	0	0	0.0%	0.0%
Park	99.3%	28445	27915	530	98.1%	1.9%
Recreation	0.0%	0	0	0	0	0
Rural	0.7%	205	202	2	99.0%	1.0%
Single Family	0.0%	0	0	0	0	0
Urban Park	0.0%	0	0	0	0	0
Transportation	0.0%	0	0	0	0	0
Institutional	0.0%	0	0	0	0.0%	0.0%
Total	100.0%	28649.2				



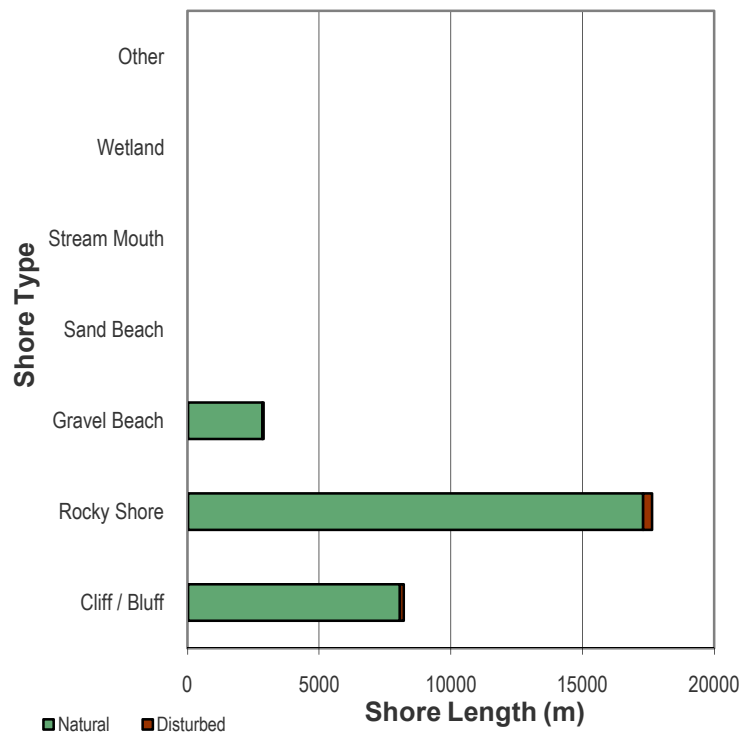


Figure 4: The length of natural and disturbed shoreline in each shore type category

Table 4: The total length of natural and disturbed shoreline and associated percentages within the different shore types that occur around Okanagan Lake

Shore Type	% of Total	Total Shoreline Length (m)	Natural Shore Length (m)	Disturbed Shore Length (m)	% Natural	% Disturbed
Cliff / Bluff	28.6%	8186	8030	155.5	98.1%	1.9%
Rocky Shore	61.4%	17599	17275	323.3	98.2%	1.8%
Gravel Beach	10.0%	2865	2812	53.2	98.1%	1.9%
Sand Beach	0.0%	0	0	0.0	0	0
Stream Mouth	0.0%	0	0	0.0	0	0
Wetland	0.0%	0	0	0.0	0	0
Other	0.0%	0	0	0.0	0	0
Total	100.00%	28649				



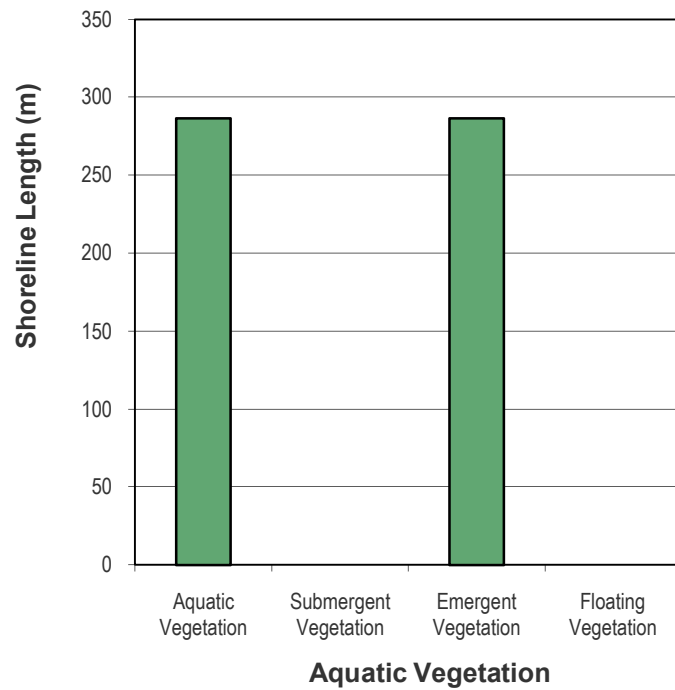


Figure 5: The shore length of each different type of aquatic vegetation.

Table 5: The total shoreline length and percentage that has aquatic, submergent, emergent, and floating vegetation along Okanagan Lake

Type	% of Total Shoreline Length	Shoreline Length (m)
Aquatic Vegetation	1.0%	286
Submergent Vegetation	0.0%	0
Emergent Vegetation	1.0%	286
Floating Vegetation	0.0%	0



Table 6: The total number and density (# per km) of different shoreline modifications occurring around Okanagan Lake

Type	Total #	# Per km
Docks	0	0.00
Groynes	0	0.00
Boat Launch	0	0.00
Retaining Walls	0	0.00
Marinas	0	0.00
Marine Rails	0	0.00

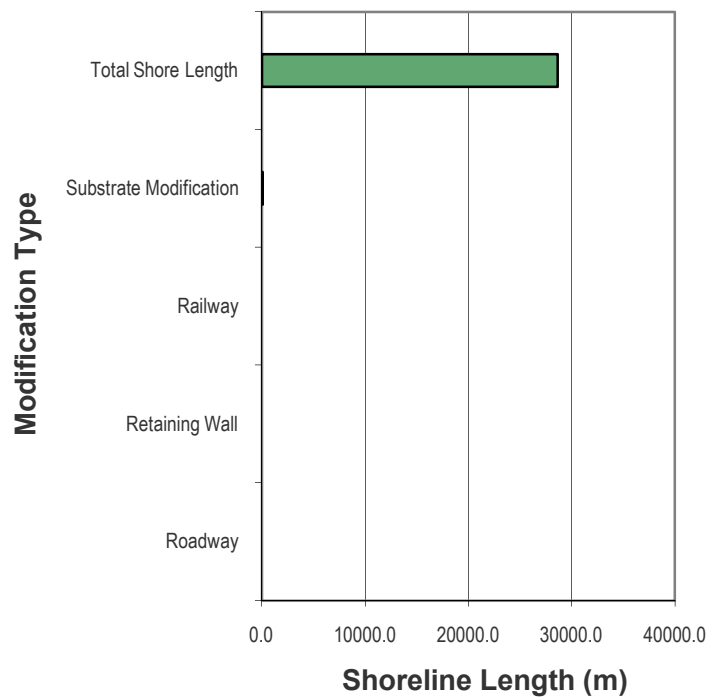


Figure 7: The shore length of different shore modifiers were observed.



Table 7: The approximate shoreline length that has been impacted by substrate modification, road and railways, and retaining walls along Okanagan Lake

Category	% of Shoreline	Shorelength (m)
Roadway	0%	0.0
Retaining Wall	0%	0.0
Railway	0%	0.0
Substrate Modification	0%	40.9
Total Shore Length		28649.2

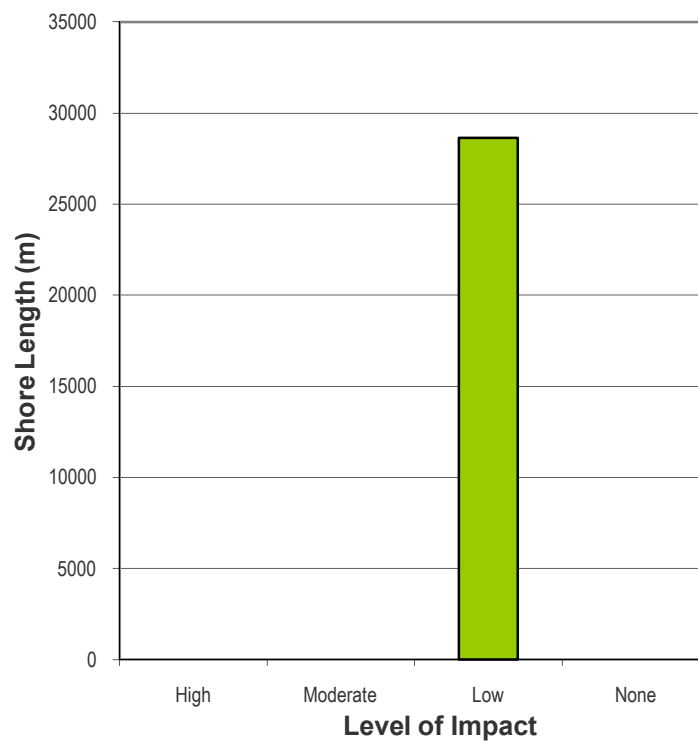


Figure 8: The shore length of different levels of impact on Okanagan Lake..

Table 8: The Level of Impact around Okanagan Lake (High > 40%, Moderate (10-40%), Low (<10%), None (0%))

Level of Impact	% of Shoreline	Shore Length
High	0.00%	0
Moderate	0.00%	0
Low	100.00%	28649
None	0.00%	0
	Shore Length	28649.2



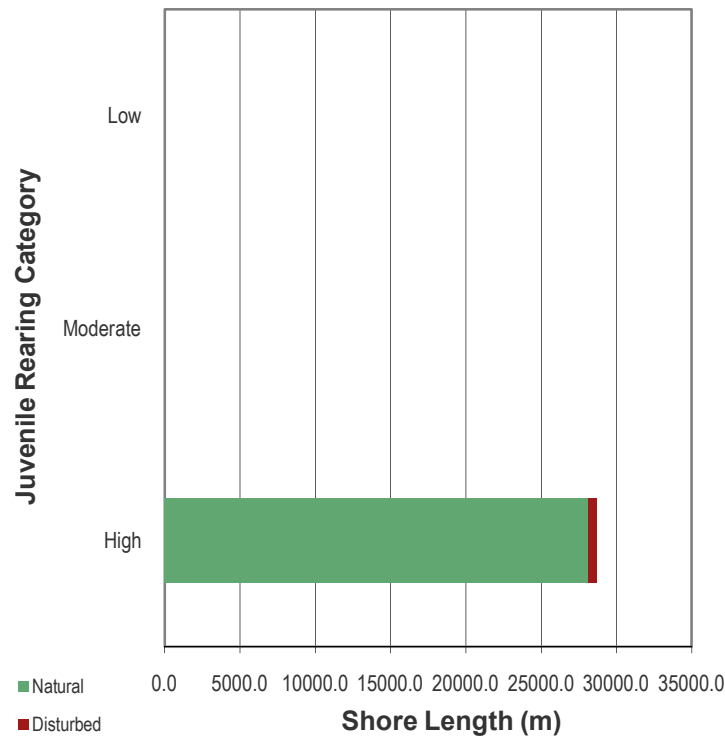


Figure 9: The natural and disturbed shore length of areas classified as having and High, Moderate, or Low Juvenile Rearing ranking.

Table 9: The shore length and percentage of shoreline areas classified as having High, Moderate, or Low Juvenile Rearing Value on Okanagan Lake.

Juvenile Rearing Category	# of Segments	Shore Length (m or %)				Total
		Natural (m)	Natural (%)	Disturbed (m)	Disturbed (%)	
High	5	28117.1	98.1%	532.1	1.9%	28650.2
Moderate	0	0.0	0	0.0	0	0
Low	0	0.0	0	0.0	0	0
						0



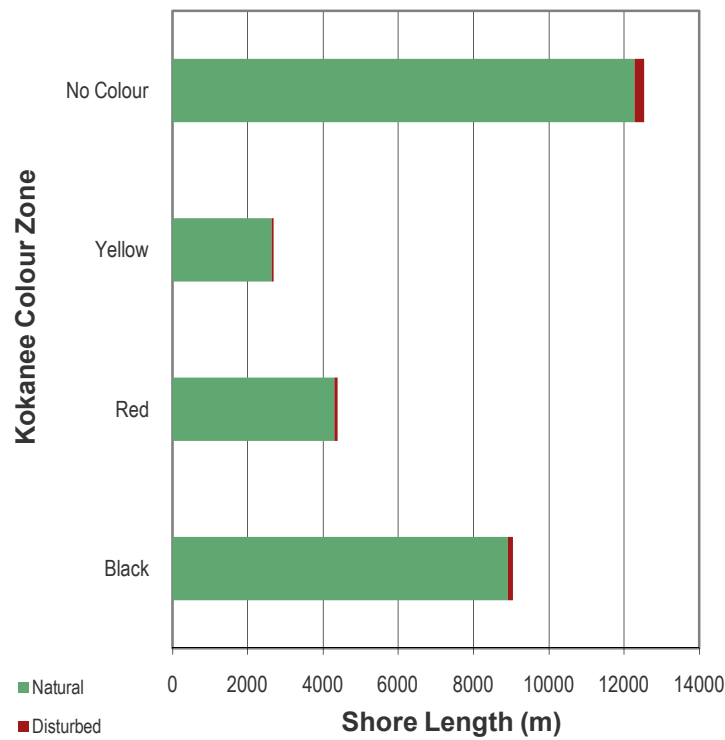


Figure 10: The length of natural and disturbed shoreline in the different shore spawning kokanee zones.

Table 10: The length of natural and disturbed shorelines within the different Okanagan Large Lakes Protocol Kokanee Shore Spawning areas.

Black		Red		Yellow		No Colour	
Natural	Disturbed	Natural	Disturbed	Natural	Disturbed	Natural	Disturbed
98.4%	1.6%	98.0%	2.0%	98.0%	2.0%	98.0%	2.0%
8907	141	4294	87	2635	54	12281	251



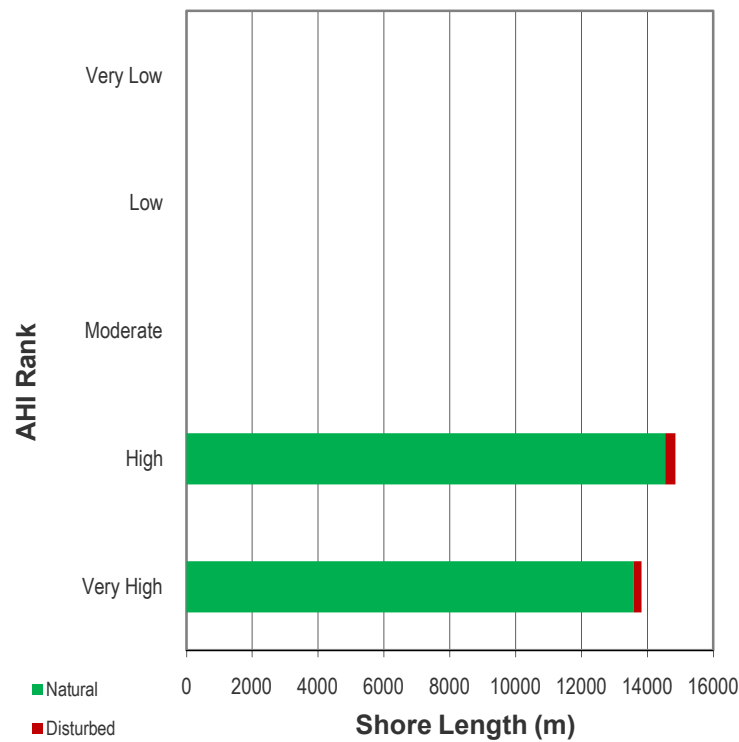


Figure 11: The length of natural and disturbed shoreline in the different AHI rankings.

Table 13: The shoreline that is natural and disturbed (m and %) within each of the different AHI rankings.

AHI Rank	Natural		Disturbed	
	m	%	m	%
Very High	13578.67185	98.3%	235.3764334	1.7%
High	14538.4353	98.0%	296.7027612	2.0%
Moderate	0	0	0	0
Low	0	0	0	0
Very Low	0	0	0	0

