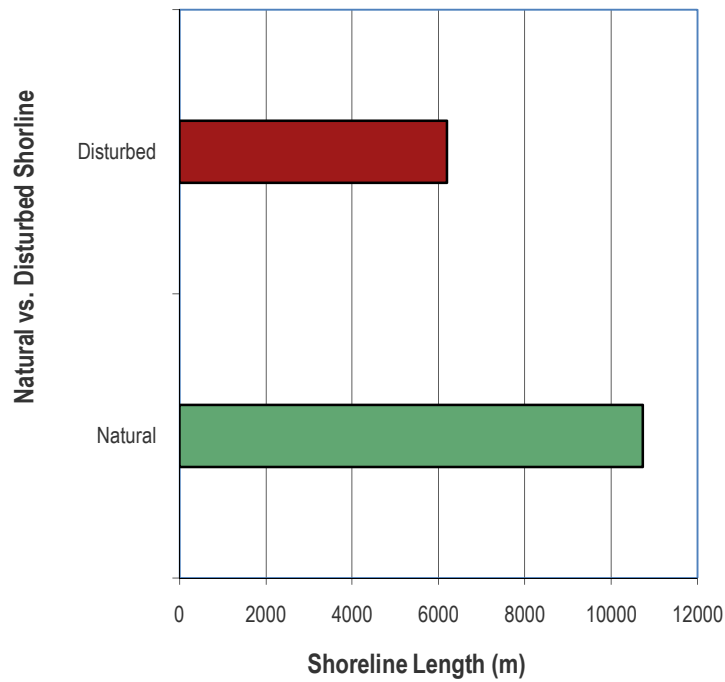


# **APPENDIX F**

## **RDOS Electoral Area F Results**





**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	63.39%	10723
Disturbed	36.61%	6193
Total		16916.0



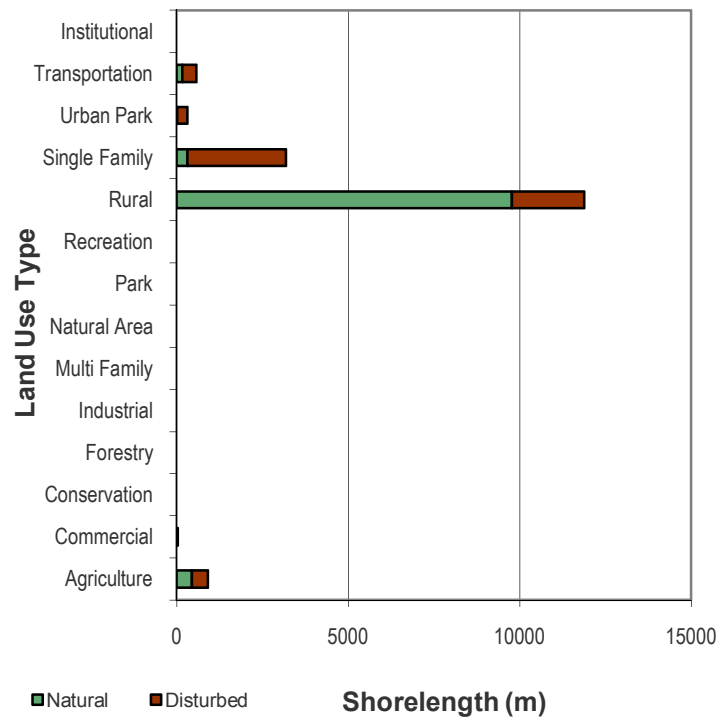


**Figure 2:** The length of natural and disturbed shorelines in each slope category.

**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+)	2.8	482	477	5	99.0	1.0
Steep (20-60)	50.5	8547	7949	598	93.0	7.0
Moderate (5-20)	18.3	3096	1921	1175	62.0	38.0
Low (0-5)	28.3	4791	376	4415	7.8	92.2
Bench	0.0	0	0	0	0	0
<b>Total</b>	<b>100.0</b>	<b>16916</b>	<b>10723</b>	<b>6193</b>	<b>63.4</b>	<b>36.6</b>



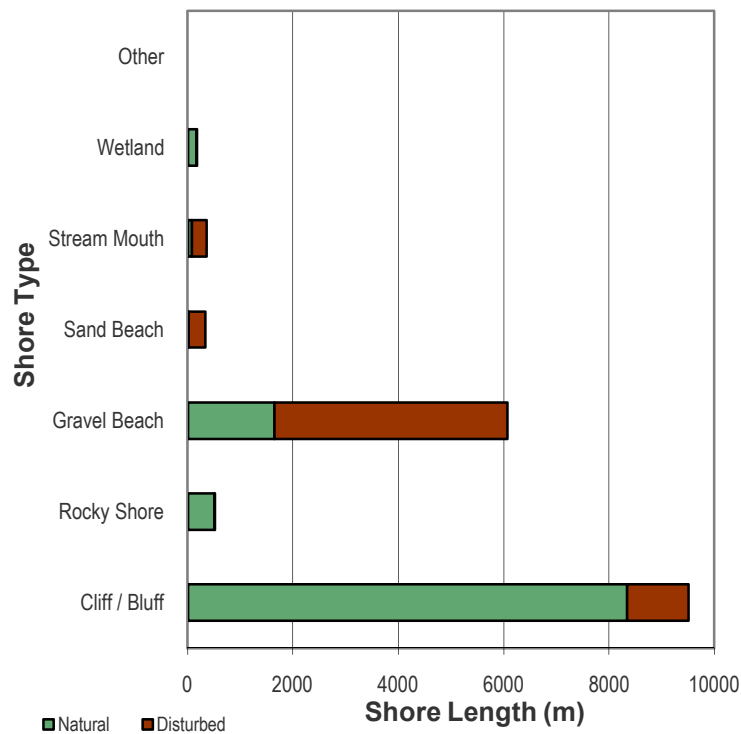


**Figure 3:** The length of natural and disturbed shoreline in each land use category

**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	5.4%	919	449	471	48.8%	51.2%
Commercial	0.2%	33	2	31	5.0%	95.0%
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	0.0%	0	0	0	0	0
Recreation	0.0%	0	0	0	0	0
Rural	70.3%	11886	9781	2105	82.3%	17.7%
Single Family	18.8%	3183	315	2867	9.9%	90.1%
Urban Park	1.8%	313	13	300	4.2%	95.8%
Transportation	3.4%	583	163	420	28.0%	72.0%
Institutional	0.0%	0	0	0	0.0%	0.0%
<b>Total</b>	<b>100.0%</b>	<b>16916.0</b>				



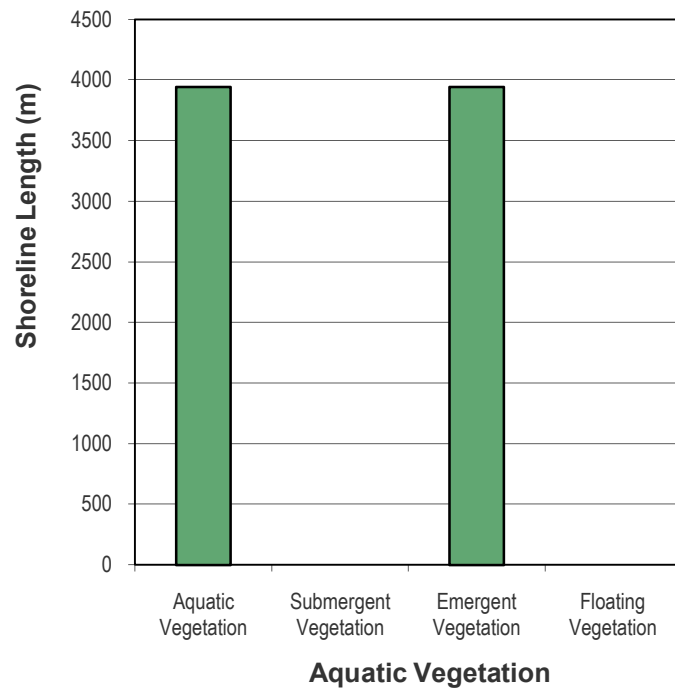


**Figure 4:** The length of natural and disturbed shoreline in each shore type category

**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	56.1%	9491	8336	1154.6	87.8%	12.2%
Rocky Shore	3.0%	508	502	5.1	99.0%	1.0%
Gravel Beach	35.8%	6063	1640	4423.4	27.0%	73.0%
Sand Beach	1.9%	327	16	310.3	5.0%	95.0%
Stream Mouth	2.1%	358	75	282.5	21.1%	78.9%
Wetland	1.0%	170	153	17.0	90.0%	10.0%
Other	0.0%	0	0	0.0	0	0
<b>Total</b>	<b>100.00%</b>	<b>16916</b>				



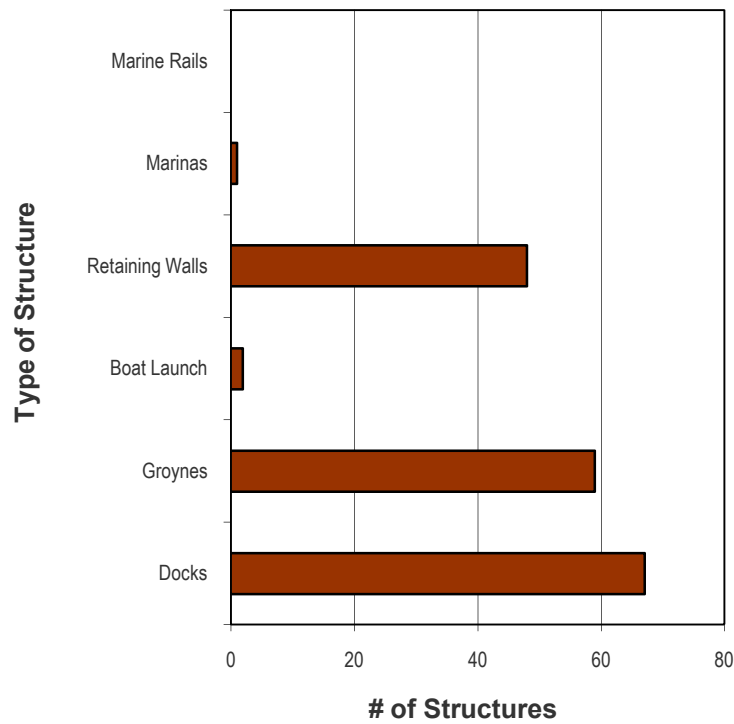


**Figure 5:** The shore length of each different type of aquatic vegetation.

**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	23.3%	3942
Submergent Vegetation	0.0%	0
Emergent Vegetation	23.3%	3942
Floating Vegetation	0.0%	0



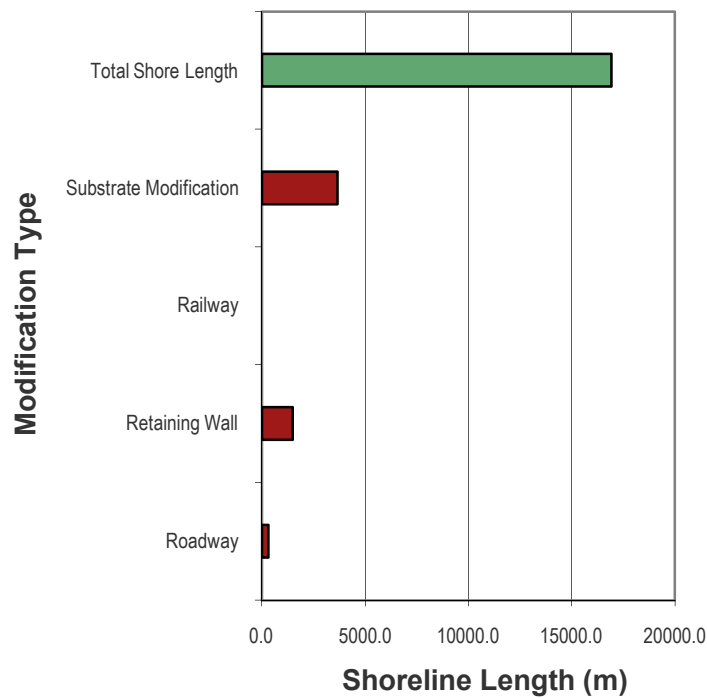


**Figure 6:** The total number of different types of modifications on Okanagan Lake

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

Type	Total #	# Per km
Docks	67	0
Groynes	59	0
Boat Launch	2	0
Retaining Walls	48	0
Marinas	1	0
Marine Rails	0	0





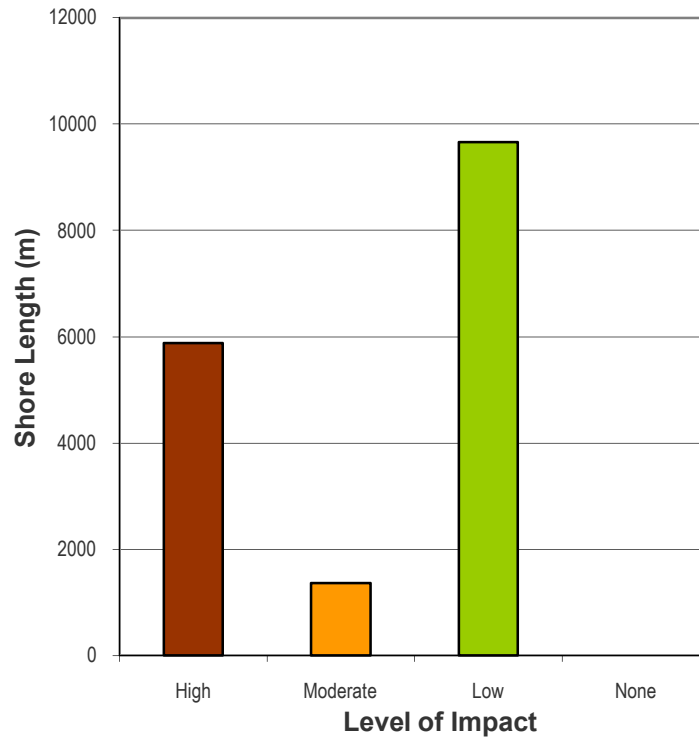
. **Figure 7:** The shore length of different shore modifiers were observed.

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	2%	303.7
Retaining Wall	9%	1480.2
Railway	0%	0.0
Substrate Modification	22%	3669.7
Total Shore Length		16916.0







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



Table 9: The shore length and percentage of shoreline areas classified as having High, Moderate, or Low Juvenile Rearing 2004 and 2010.

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	34.79%	5886
Moderate	8.08%	1367
Low	57.12%	9663
None	0.00%	0
	Shore Length	16916.0

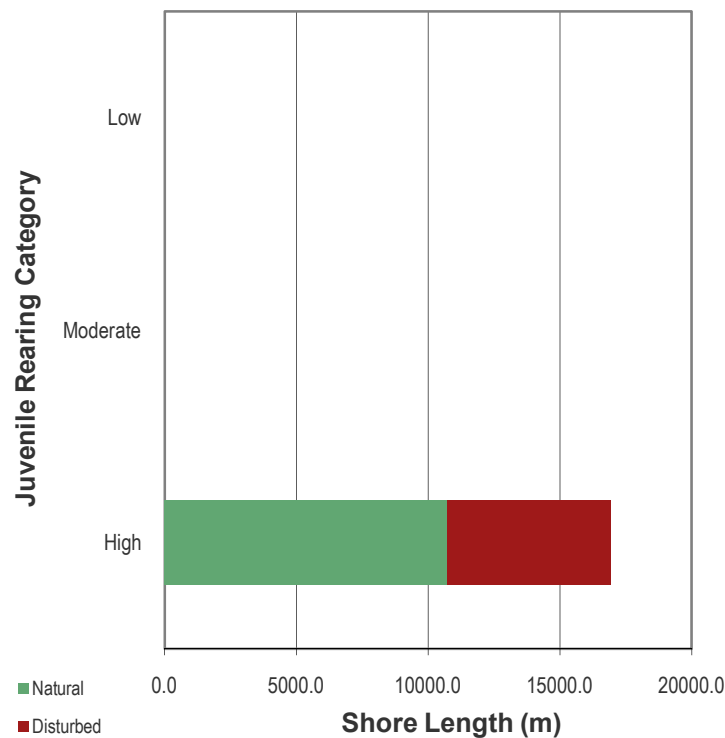


Figure 9: The natural and disturbed shore length of areas classified as having and High, Moderate, or Low Juvenile Rearing ranking.



Juvenile Rearing Category	# of Segments	2004					2010			
		Shore Length (m or %)					Juvenile Rearing Category	# of Segments	Shore Length (m or %)	
		Natural (m)	Natural (%)	Disturbed (m)	Disturbed (%)	Total			Natural (m)	Natural (%)
High	3	3030.7	81.50%	688.136	18.50%	3719.7	High	3	2987.0	80.3%
Moderate	0	0.0	0	0	0	0	Moderate	0	0.0	0
Low	0	0.0	0	0	0	0	Low	0	0.0	0

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 %)				
		Natural (m)	Natural (%)	Disturbed (m)	Disturbed (%)	Total
High	15	10723.1	63.4%	6193.0	36.6%	16916.7
Moderate	0	0.0	0	0.0	0	0
Low	0	0.0	0	0.0	0	0

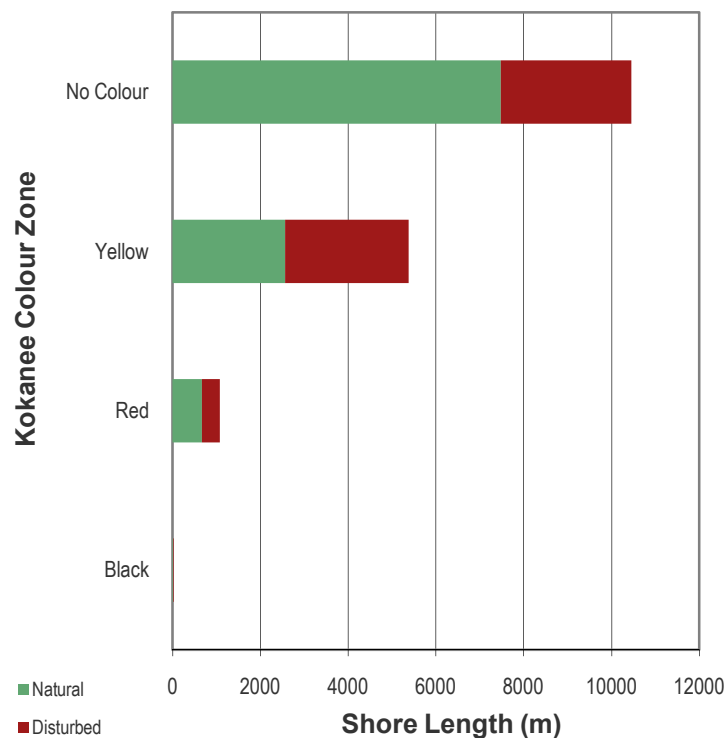


Figure 10: The length of natural and disturbed shoreline in the different shore spawning kokanee zones.

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
99.0%	1.0%	62.2%	37.8%	47.6%	52.4%	71.6%	28.4%
12	0	672	408	2561	2818	7479	2967

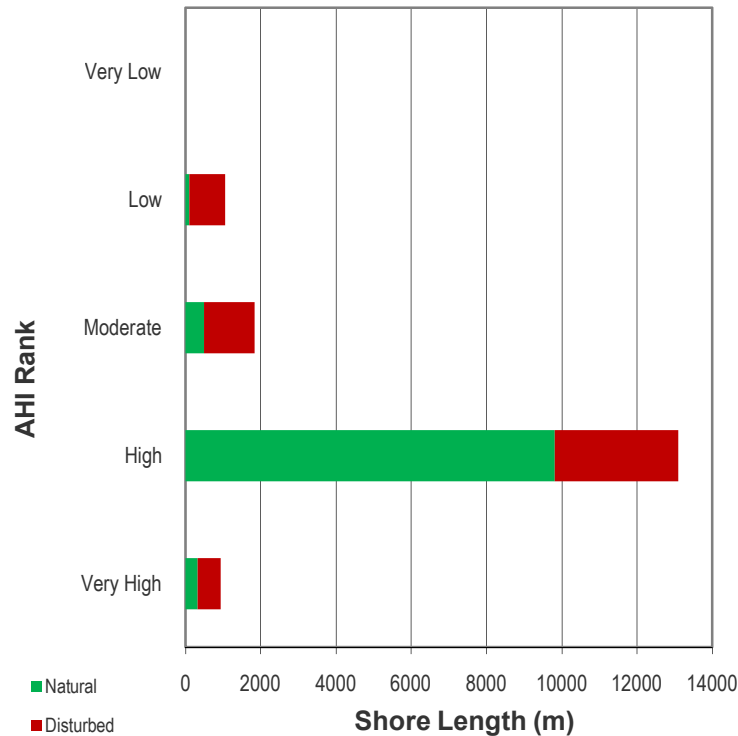


Figure 11: The length of natural and disturbed shoreline in the different AHI rankings.

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	320.6796624	34.5%	608.3257707	65.5%
High	9803.772847	74.9%	3288.579931	25.1%
Moderate	493.2215971	26.8%	1347.537411	73.2%
Low	105.3911551	10.0%	948.5203957	90.0%
Very Low	0	0	0	0

