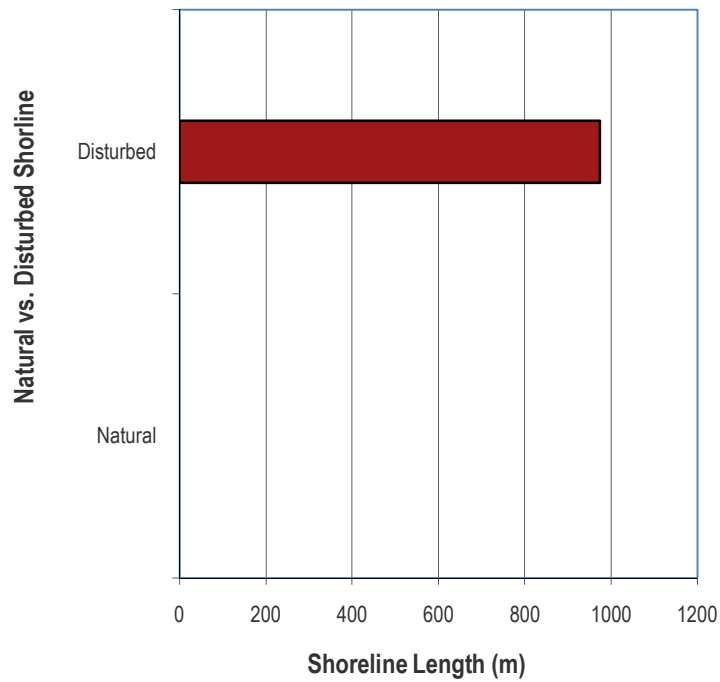


# **APPENDIX N**

## **Penticton Indian Band 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	0.00%	0
Disturbed	100.00%	974
	Total	974.0



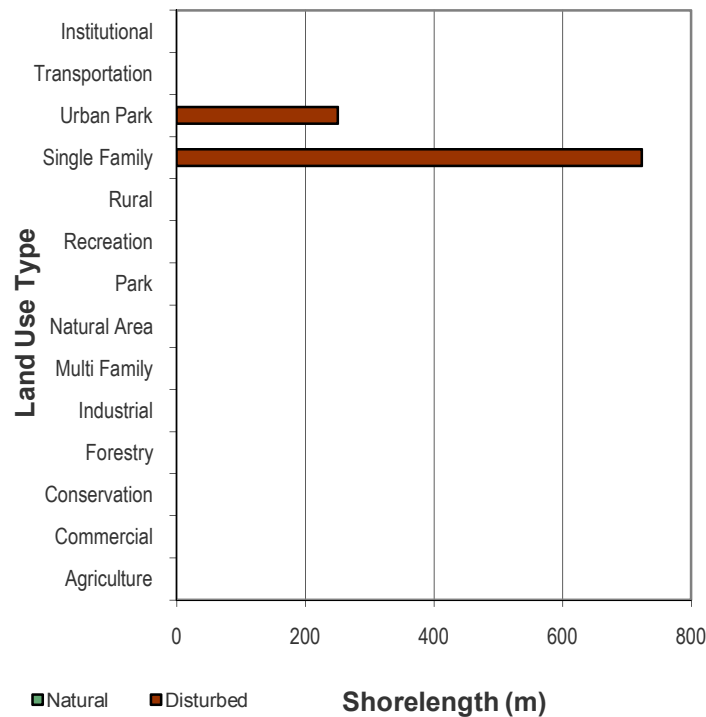


**Figure 2:** The length of natural and disturbed shorelines in each slope category.

**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+)	0.0	0	0	0	0	0
Steep (20-60)	0.0	0	0	0	0	0
Moderate (5-20)	0.0	0	0	0	0	0
Low (0-5)	100.0	974	0	974	0.0	100.0
Bench	0.0	0	0	0	0	0
<b>Total</b>	<b>100.0</b>	<b>974</b>	<b>0</b>	<b>974</b>	<b>0.0</b>	<b>100.0</b>



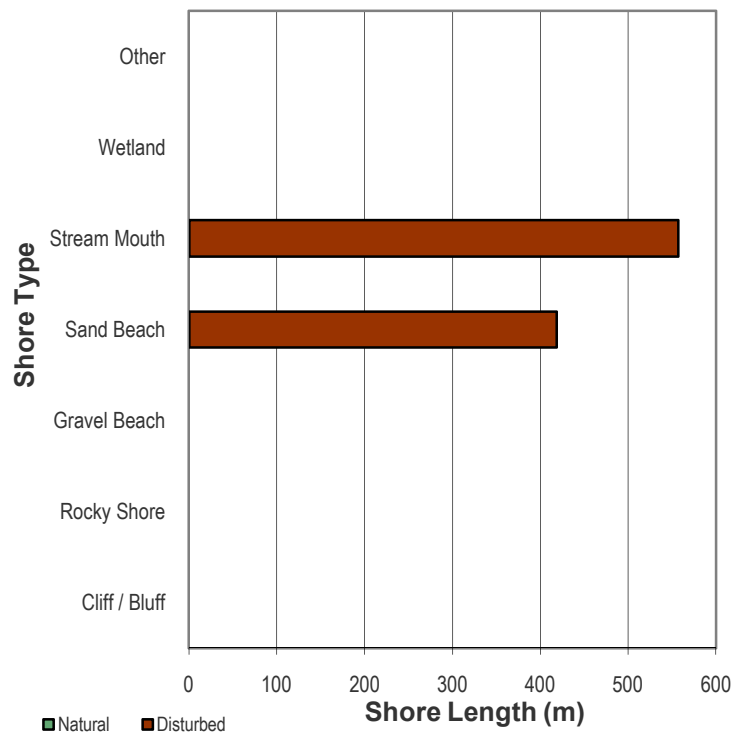


**Figure 3:** The length of natural and disturbed shoreline in each land use category

**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	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	0.0%	0	0	0	0	0
Recreation	0.0%	0	0	0	0	0
Rural	0.0%	0	0	0	0	0
Single Family	74.3%	724	0	724	0.0%	100.0%
Urban Park	25.7%	250	0	250	0.0%	100.0%
Transportation	0.0%	0	0	0	0	0
Institutional	0.0%	0	0	0	0.0%	0.0%
<b>Total</b>	<b>100.0%</b>	<b>974.0</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	0.0%	0	0	0.0	0	0
Rocky Shore	0.0%	0	0	0.0	0	0
Gravel Beach	0.0%	0	0	0.0	0	0
Sand Beach	42.9%	418	0	417.8	0.0%	100.0%
Stream Mouth	57.1%	556	0	556.1	0.0%	100.0%
Wetland	0.0%	0	0	0.0	0	0
Other	0.0%	0	0	0.0	0	0
<b>Total</b>	<b>100.00%</b>	<b>974</b>				



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	0.0%	0
Submergent Vegetation	0.0%	0
Emergent Vegetation	0.0%	0
Floating Vegetation	0.0%	0

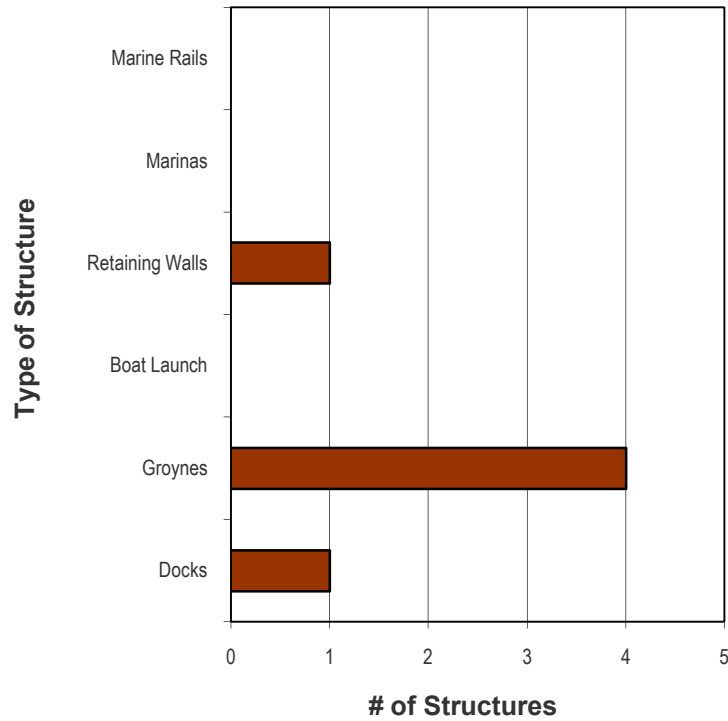


Figure 6: The total number of different types of modifications on Okanagan Lake



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

Type	Total #	# Per km
Docks	1	1.03
Groynes	4	4.11
Boat Launch	0	0.00
Retaining Walls	1	1.03
Marinas	0	0.00
Marine Rails	0	0.00

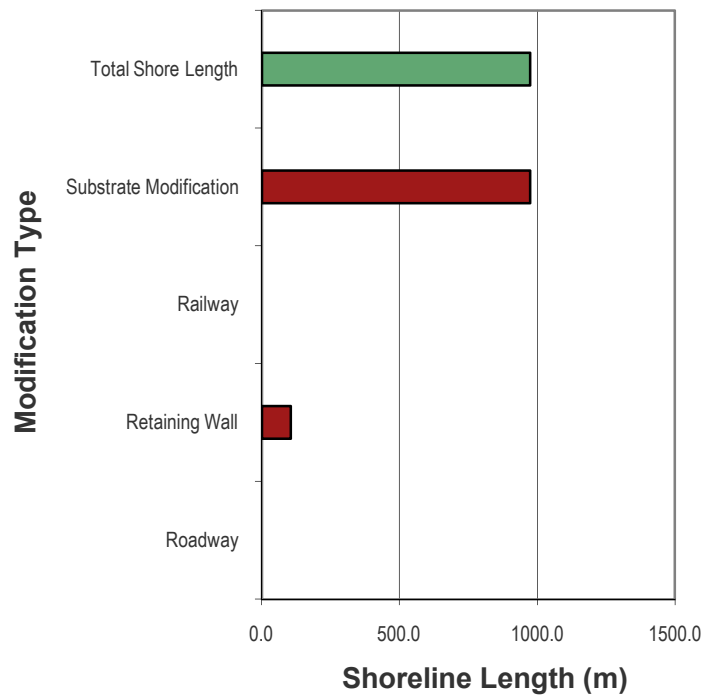


Figure 7: The shore length of different shore modifiers were observed.



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	11%	104.5
Railway	0%	0.0
Substrate Modification	100%	974.0
Total Shore Length		974.0

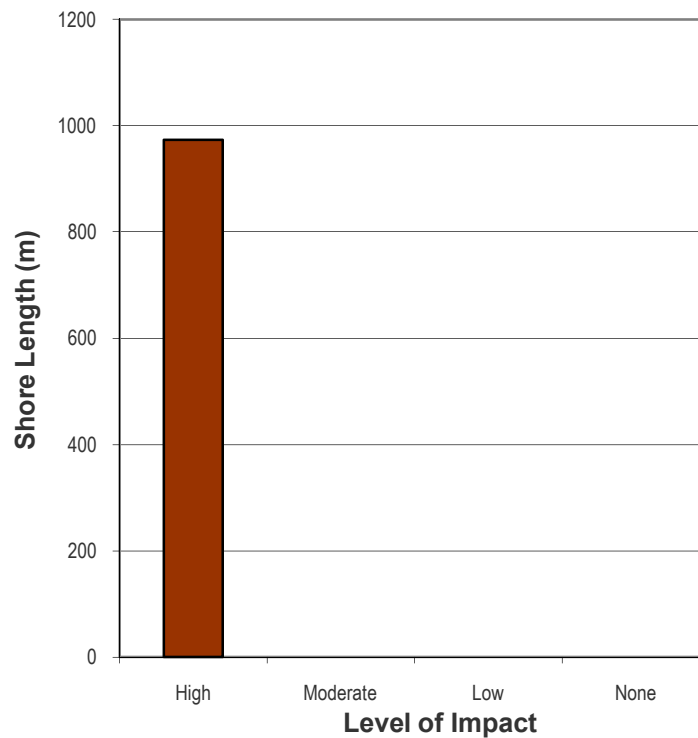


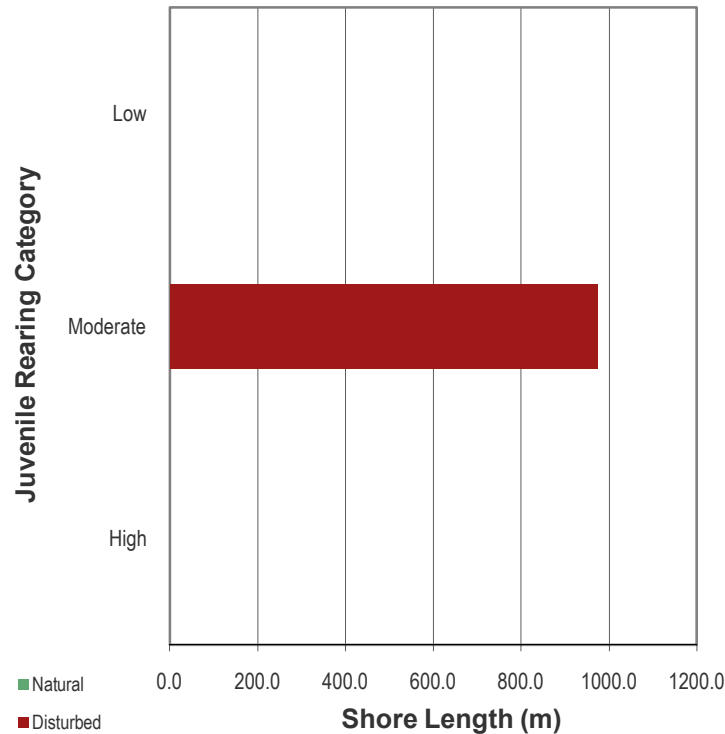
Figure 8: The shore length of different levels of impact on Okanagan Lake..

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	100.00%	974
Moderate	0.00%	0
Low	0.00%	0
None	0.00%	0
Shore Length		974.0





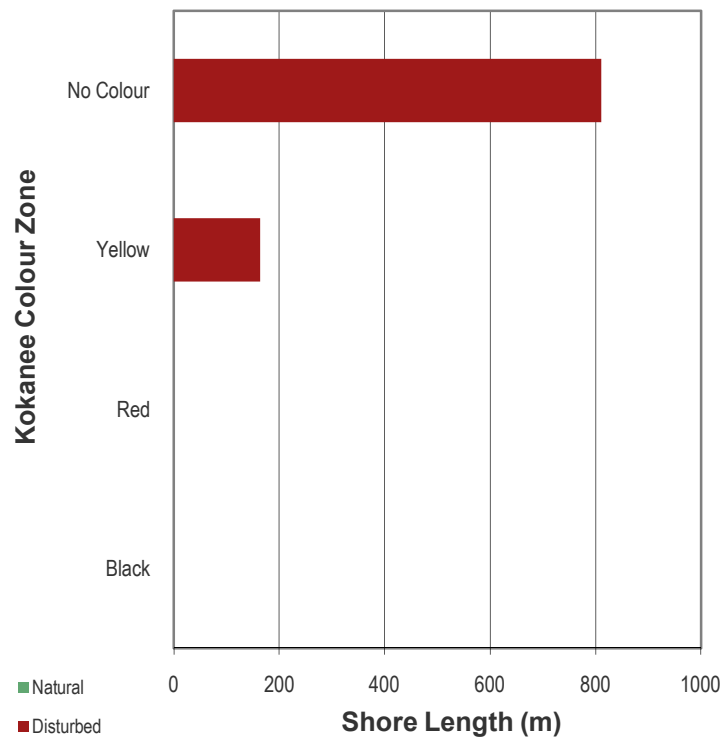


**Figure 9:** The natural and disturbed shore length of areas classified as having and High, Moderate, or Low Juvenile Rearing ranking.

**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	0	0.0	0	0.0	0	0
Moderate	2	0.0	0.0%	974.0	100.0%	974.0
Low	0	0.0	0	0.0	0	0
						0



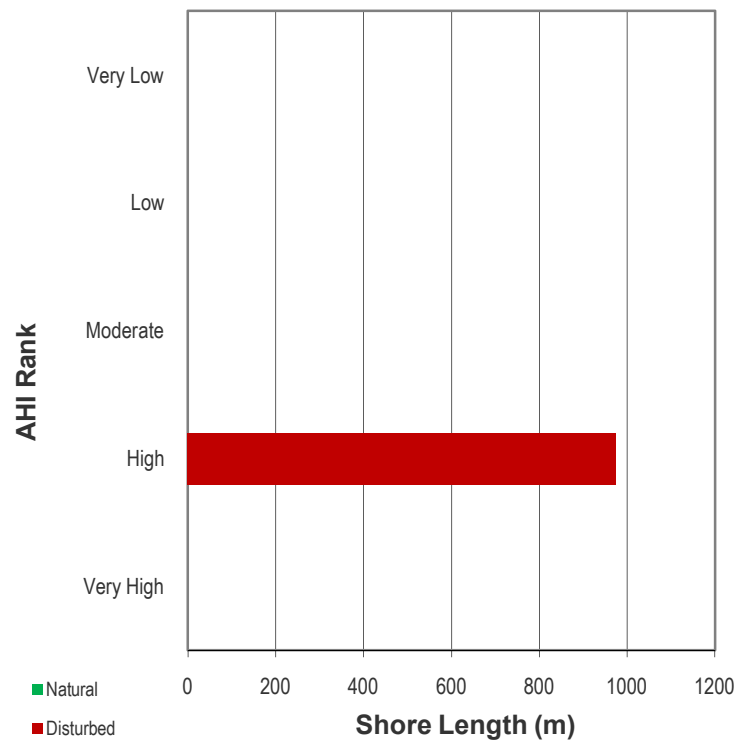


**Figure 10:** The length of natural and disturbed shoreline in the different shore spawning kokanee zones.

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
0	0	0	0	0.0%	100.0%	0.0%	100.0%
0	0	0	0	0	163	0	811





**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	0	0	0	0
High	0	0.0%	973.9615286	100.0%
Moderate	0	0	0	0
Low	0	0	0	0
Very Low	0	0	0	0

