

Summary of 2003 Shoreline Erosion Questionnaire Results

The questionnaire respondents were:

Summer resident - 20

Year round resident - 40

Years respondent has lived along the lakeshore – ranged from 1-57 years

1. Check any of the following boxes that best describe your waterfront property:

Description	Response
Lawn	28
Sand	23
Woody debris	4
Soft slope	18
Steep slope	4
Log breakwall	1
Concrete breakwall	11
Rocky	15
Many aquatic plants	5
A few aquatic plants	15
No aquatic plants	3
No shrubs or trees	4
A few shrubs	17
Many shrubs	3
A few trees	23
Many trees	6
Creek outlet on property	6
Wood dock	28
Concrete dock	n/a
Rock/stone/riprap breakwall	9
Imported sand/rock	2

2. Have you noticed any of the following naturally-occurring changes to your shoreline during the time you have lived on this property?

Change	Response
Loss of shoreline property	11
Increase in shoreline property	2
Loss of terrestrial shoreline vegetation	3
Changes in terrestrial vegetation <i>type</i>	1
Loss of aquatic vegetation	2
Changes in aquatic vegetation <i>type</i>	16
Increases in wave activity at shoreline	11

Other comments: Movement of sand (7), increased *Elodea* presence (7), no major change noticed (3)

3. If you have experienced loss of shoreline property, what would you estimate the yearly loss at?

Estimate ranges	Response
Not noticeable	3
Between 1 to 3 feet / decade	3
Between 3 to 5 feet / decade	1
Over 5 feet / decade	1

4. What factors do you feel have had the greatest influence on changes to your shoreline?

Influence	Response
Wave action due to boat traffic	3
Wave action due to high winds	8
Ice break-up and ice movement	13
High water levels	13

Other comments: Loss of aquatic plants along shoreline (1), forestry practices that cause high water levels and erosion at creek mouths (1), shoreline modifications on neighbour's property (1)

5. During the winter, does ice movement affect your shoreline property in any of the following ways:

Effect	Response
No effect	9
Pushes mountains of ice ashore	14
Damages trees and shrubs	4
Damages docks and breakwalls	14

Other comments: sand and dirt are moved around by ice (6), all of the above over the years (1)

6. Have you noticed any changes in the lake levels during the time you have lived here?

Lake level observation	Response
Generally the same	9
Fluctuates from year to year	18
Increasing	3
Decreasing	2

Other comments: degree of fluctuation more pronounced (1), outflow change noticed (1),

7. As part of the Lake Management Planning process, a list of priority concerns were generated by the LWS. How would you rate importance of the LWS concerns list?

(Respondent's answers were compiled and analysed, and results were then ranked by order of importance)

LWS concerns	As ranked by respondents
<i>Elodea</i> (aquatic plant) growth and its impact on the ecosystem	1
fish sustainability (particularly Sockeye)	2
drinking water quality	3
sediment increases due to stream modification	4
forestry and the potential impact of future logging	5
shoreline modification and erosion	6
water level changes and effects	7

8. Do you have any concerns that have not been included in the LWS list? If so please list below:

Concern <i>not addressed</i> in the Lake Management Plan	Associated remarks
Boating	<ul style="list-style-type: none"> • Jet Skis and noise • Should be horsepower restriction on boats • Boat sizes increasing • Should be a noise By-law • Convert Lakelse to “no motor” zone • Water Craft not respecting no-wake zone • Boat traffic and safety of swimmers • Water craft disturbing fish at the mouth of spawning streams
Increasing population	<ul style="list-style-type: none"> • Increase in walls and projections into lake that stop natural water flow. Removing these things could improve water circulation and help eliminate <i>Elodea</i>. • Further subdivision on First Ave. • Regional District needs to take a more active role in development at the lake.
Ice breakup	<ul style="list-style-type: none"> • Creating erosion problems • Damaging property
Specific Lake Contaminants	<ul style="list-style-type: none"> • Lawn fertilizer • Quality of septic fields • Pet feces
Beavers	<ul style="list-style-type: none"> • Damming up Layton Creek and flooding area • Riparian vegetation removal by beavers
Water Fowl	<ul style="list-style-type: none"> • Water fowl habitat • Increase in swan and geese populations