

## Reservoir Survey

**Performed by:** Mohammad Ansari and Regis Bouchard

**Date:** 08-Aug-2017

**Weather:** Cloudy with high winds, 14 °C

**Surveyed River Area:** From Muskrat Falls Site to Gull Island Site

### Comments

Heavy sedimentation was observed between kilometers 49 to 44 on the North Bank of the reservoir. Two new small slides were observed around kilometer 69 on the South Bank. All actively eroding areas are subjects to slow erosion due to sand and gravel deposits at the toe. No unusual conditions to report at this time.

### South Bank – From 43 km to 95 km

Kilometer	Sedimentation/Shoals	Slopes/Sloughs/Slides	Conditions
44 to 48	None	None	Normal
48 to 51	Shoals along the edge	None	Slow Erosion
51 to 60	Some shoals visible	None	Green cover/Sand deposit
60 to 66	Some shoals/ little sedimentation	No new slide	Active erosion
66 to 68	None	Two fresh slides – No change since last inspection	Active erosion
68 to 70	Shoals	Two new slides (small)	Active erosion
70 to 72	None	None	Green covered
72 to 78	Some shoals visible	Smaller slopes	Active erosion
78 to 81	Shoals	Small slope failures	Active erosion
81 to 84	None	None	Stable (Green and Gravel beach)
84 to 85	None	Fresh slides – not new	Rapid water/large slopes
85 to 88	None	None	Stable (Green and Gravel beach)
88 to 90	None	Two fresh slides	Some active erosion
90 to 92	Shoals	None	Gravel beach banks – stable
92 to 95	Shoals with gravel on top	Steep slopes with no green	Active erosion

**North Bank – From 95 km to 43 km**

Kilometer	Sedimentation/Shoals	Slopes/Sloughs/Slides	Conditions
95 to 84	Shoals –with gravel on top	None	Stable –gravel and green edges
84 to 80	Few shoals	None – few steep areas	Active erosion – with sedimentation
80 to 76	None	None	Active erosion/ sedimentation
76 to 70	None	None	Mostly Stable
70 to 60	None	None	Mostly Stable
60 to 56	Sedimentation	Steep slopes –no green	Active erosion
56 to 52	Shoals	None	Stable –all green
52 to 49	Sedimentation	None	Stable –all green
49 to 46	Heavy Sedimentation	None	Green covered
46 to 43	Sedimentation	None	Stable



**Figure 1: Between 67 to 68 Km, South Bank (Active Erosion)**



**Figure 2: New slide at 69 km, South Bank**



**Figure 3: About 58 km, North Bank, Sedimentation**



**Figure 4: North Bank 45 km, Heavy sedimentation**

For more pictures please check the link below:

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