

**STREAMBANK EROSION SEVERITY INDEX**

**THUNDER BAY RIVER WATERSHED**

<b>Condition of bank</b>	<b>Points</b>	<b>Soil type or texture</b>	<b>Points</b>
Toe and upper bank eroding	5	Sand	3
Toe undercutting	3	Gravel	2
Toe stable, upper bank eroding	1	Stratified Clay, loam	2 1
<b>Problem trend</b>		<b>Vegetative cover on bank slope</b>	
Increasing	5	0-10%	5
Decreasing or stable	1	10-50%	3
		40-100%	1
<b>Side-slope of bank</b>		<b>Apparent cause of erosion</b>	
Vertical, 1:1	5	Light access traffic	1
2:1, 3:1	2	Obstruction in river	1
4:1 or flatter	1	Bank seepage	1
		Gullying by side channels	1
		Bend in river	2
		Wave action (impoundments)	2
		Road-stream crossing; grade/shoulder runoff	3
		Moderate access traffic	3
		Heavy access (foot, horse, etc.) traffic	5
<b>Length of eroded bank</b>		<b>Mean height of eroded bank</b>	
More than 50 ft.	5	More than 20 ft	7
2 to 50 ft.	3	10 to 20 ft	5
Less than 20 ft.	1	5 to 10 ft	3
		less than 5 ft	1
<b>Depth of river</b>		<b>Current</b>	
More than 3 ft	2	Fast	2
Less than 3 ft	1	Slow	1
<b>Total Points for Site</b>			

Accumulative points indicate extent of erosion:

**0-30      Minor**  
**30-36    Moderate**  
**> 36      Severe**