



DATA SOURCE: Reaches - North/South Consultants Inc.; Peatland disintegration - ECOSTEM Ltd.; Mineral bank erosion - J D Mollard and Associates Ltd.; Existing water (gull-ee-95perc-4327cms-rev3), flooded area (pp-95perc-4327-159-shore-rev5), Infrastructure - Manitoba Hydro; Water - NTS; Roads and rail - Manitoba Conservation; First Nation Reserves - Natural Resources Canada.		
CREATED BY: ECOSTEM Ltd.		
COORDINATE SYSTEM: UTM NAD 1983 Z15N	DATE CREATED: 19-JAN-12	REVISION DATE: 14-FEB-12
VERSION NO.: 1.0	QA/QC: APPROVED	

Legend

- Existing Water Surface Area
 - Initial Flooded Area (159 m)
 - Peatland Disintegration
 - Mineral Bank Erosion
- Post Project Reach**
- 1 = Riverine Shore Zones Upstream of Birthday Rapids
 - 2 = Riverine Shore Zones at Birthday Rapids
 - 3 = Riverine Shore Zones Downstream of Birthday Rapids to the Inlet of Gull Lake
 - 4 = Lake Shore Zones in Gull Lake

Peatland Disintegration and Erosion in the Western Upstream Reaches

During First 30 Years of Operation

PE - 6