



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: 27-APR-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

3 = Riverine Shore Zones Downstream of Birthday Rapids to the Inlet of Gull Lake	5 = Riverine Shore Zones at Gull Rapids
4 = Lake Shore Zones in Gull Lake	

Keeyask Principal Structures

Peatland Disintegration and Erosion in the Eastern Upstream Reaches During First 30 Years of Operation

PE - 7