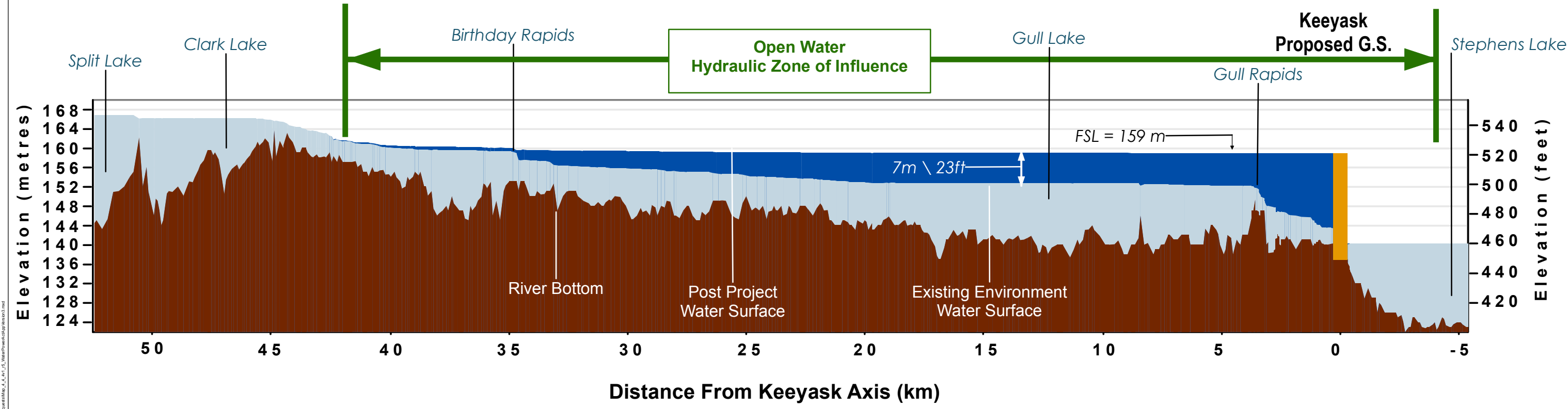


Notes: Stephens Lake Level = 140.2 m (459.65 ft)
 Keeyask G.S. Reservoir Level = 159 m (521.65 ft)
 Map illustrates initial flooded area at initial impoundment of the reservoir.
 During the first 30 years of operation, the reservoir area is projected to increase approximately 7-8 km² due to shoreline erosion and peatland disintegration.

Areas
 Initial Reservoir Area: 93.1 sq. km (23,000 acres)
 Initial Flooded Area: 45.1 sq. km (11,100 acres)
 Riverbed Area: 48.0 sq. km (11,900 acres)

Map illustrates the estimated extent of the dewatered area when the spillway is not in operation. The true extent of this area is uncertain due to the limited bathymetric data.



DATA SOURCE:
 Government of Canada; Government of Manitoba; Manitoba Hydro:
 gull-ee-50perc-3032cms-rev3; Shore Year 30 Polygon
 pp-50perc-3032-159-shore-rev3; pp-DS-50perc-3030-140p2-shore-rev1

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Legend

- Existing Water Surface Area
- Initial Flooded Area (159 m)
- Reservoir Expansion During First 30 Years
- Keeyask Principle Structures

Note:
 50th Percentile, Open Water Flow
 Existing Environment
 and Post-Project Environment

The 30-year shoreline expansion upstream,
 of Birthday Rapids is not a Project effect as it is
 predicted to occur without the Project.

Water Surface Profiles and Flooded Area