

Williston Bathymetric Mapping Project

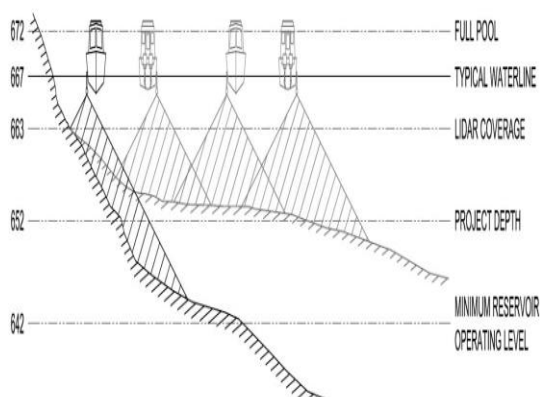
Charting Williston Reservoir

The Peace Water Use Plan (WUP) Committee recommended a project to develop a full technical understanding of issues associated with the operating draft of the Williston Reservoir. The Williston Reservoir Bathymetry project provides charts and profiles to better understand the impact of operations on interests such as Reservoir Navigation and Safety, Erosion Control, Dust Control, Tributary Access and Wetland Habitats.



Project Requirements

1. Map the reservoir between full pool 672.08 metres and 652.27 metres.
2. Conduct a spring low pool LiDAR survey and summer sounding survey.
3. Produce hydrographic charts, bathymetric contour maps, 3-D projections and bathymetric profiles of Williston Reservoir.



Project Update

- A hydrographic survey of the Reservoir was completed in 2011.
- In 2013, 25 navigational charts, bathymetric profiles and 3-D projections of the Reservoir were produced.
- The charts include the bathymetry, topography, roads and river channel profiles for a visual presentation of the surrounding and submerged terrain.

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Learnings and Next Steps

- Coverage is a function of water depth and deeper water results in greater coverage.
- Shallow slopes increase the project area and number of survey lines.
- The charts support the planning for other physical works projects in the Peace Water Use Plan.

