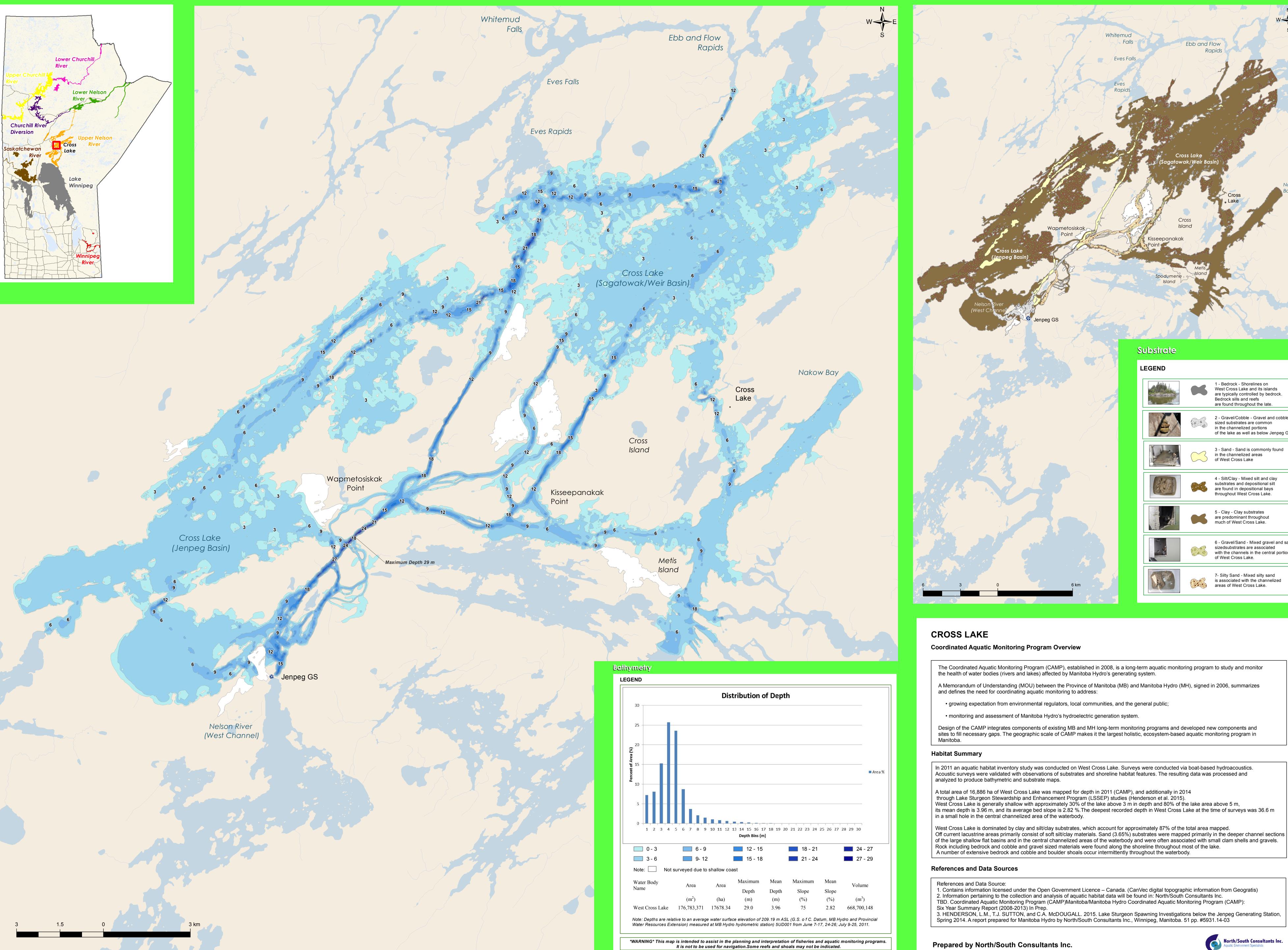
CROSS LAKE





A Memorandum of Understanding (MOU) between the Province of Manitoba (MB) and Manitoba Hydro (MH), signed in 2006, summarizes

Design of the CAMP integrates components of existing MB and MH long-term monitoring programs and developed new components and sites to fill necessary gaps. The geographic scale of CAMP makes it the largest holistic, ecosystem-based aquatic monitoring program in

In 2011 an aquatic habitat inventory study was conducted on West Cross Lake. Surveys were conducted via boat-based hydroacoustics. Acoustic surveys were validated with observations of substrates and shoreline habitat features. The resulting data was processed and

A total area of 16,886 ha of West Cross Lake was mapped for depth in 2011 (CAMP), and additionally in 2014

West Cross Lake is generally shallow with approximately 30% of the lake above 3 m in depth and 80% of the lake area above 5 m, its mean depth is 3.96 m, and its average bed slope is 2.82 %. The deepest recorded depth in West Cross Lake at the time of surveys was 36.6 m

West Cross Lake is dominated by clay and silt/clay substrates, which account for approximately 87% of the total area mapped. Off current lacustrine areas primarily consist of soft silt/clay materials. Sand (3.65%) substrates were mapped primarily in the deeper channel sections of the large shallow flat basins and in the central channelized areas of the waterbody and were often associated with small clam shells and gravels.

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Information pertaining to the collection and analysis of aquatic habitat data will be found in: North/South Consultants Inc.
TBD. Coordinated Aquatic Monitoring Program (CAMP)Manitoba/Manitoba Hydro Coordinated Aquatic Monitoring Program (CAMP):



2 - Gravel/Cobble - Gravel and cobble

of the lake as well as below Jenpeg GS

3 - Sand - Sand is commonly found in the channelized areas

4 - Silt/Clay - Mixed silt and clay substrates and depositional silt are found in depositional bays

throughout West Cross Lake.

5 - Clay - Clay substrates are predominant throughout much of West Cross Lake.

6 - Gravel/Sand - Mixed gravel and sand sizedsubstrates are associated with the channels in the central portion of West Cross Lake.

7- Silty Sand - Mixed silty sand is associated with the channelized areas of West Cross Lake.

sized substrates are common in the channelized portions

of West Cross Lake