

Single Beam Hydrographic Soundings

Robinson Lake in Franklin, TN



Prepared for:



City of Franklin, TN



Prepared By:

Mainstream Commercial Divers, Inc.
a **MER** company

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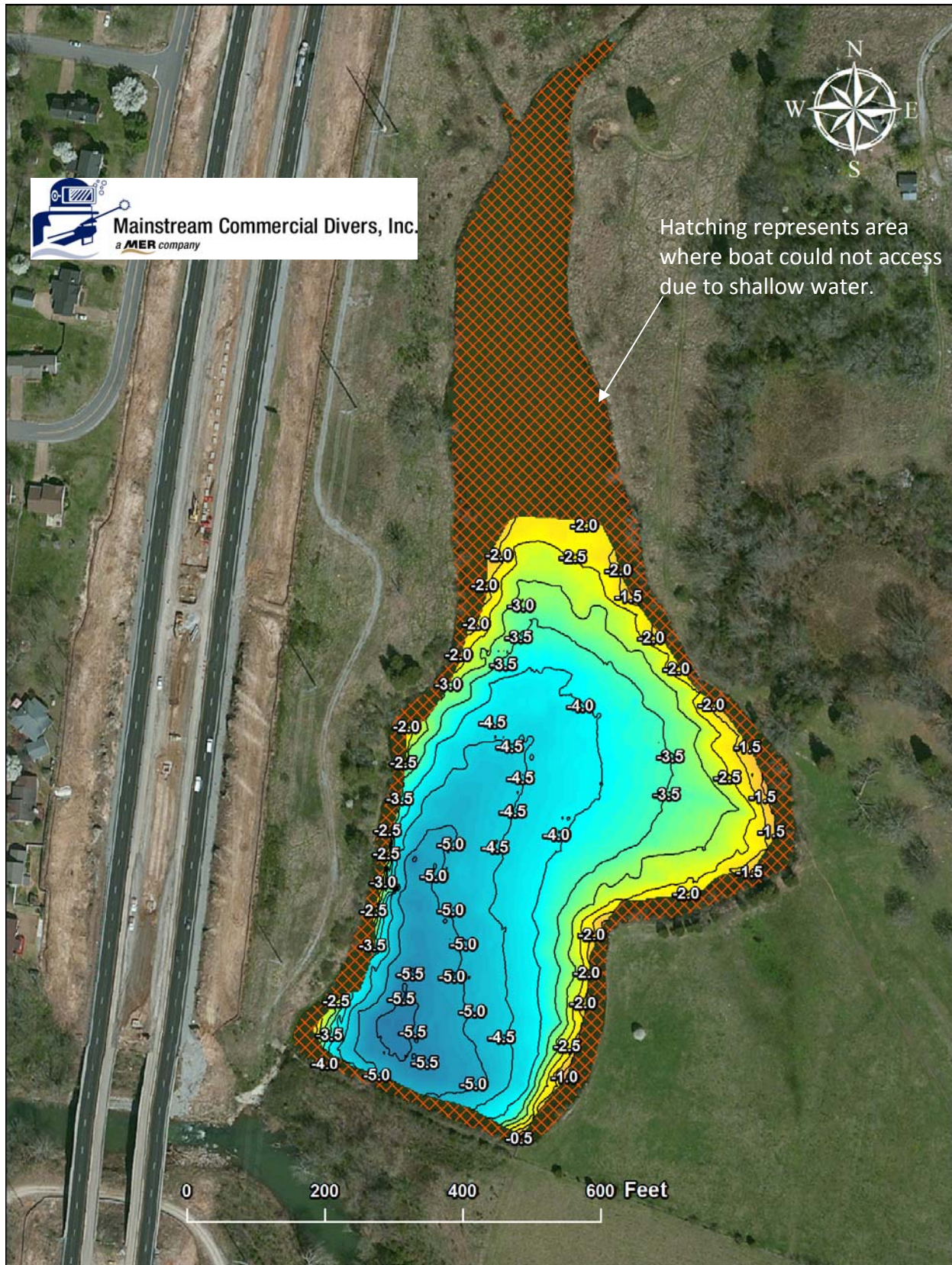
Inspection Date: July 13, 2017

Bathymetric Survey Notes
Mainstream Commercial Divers, Inc.

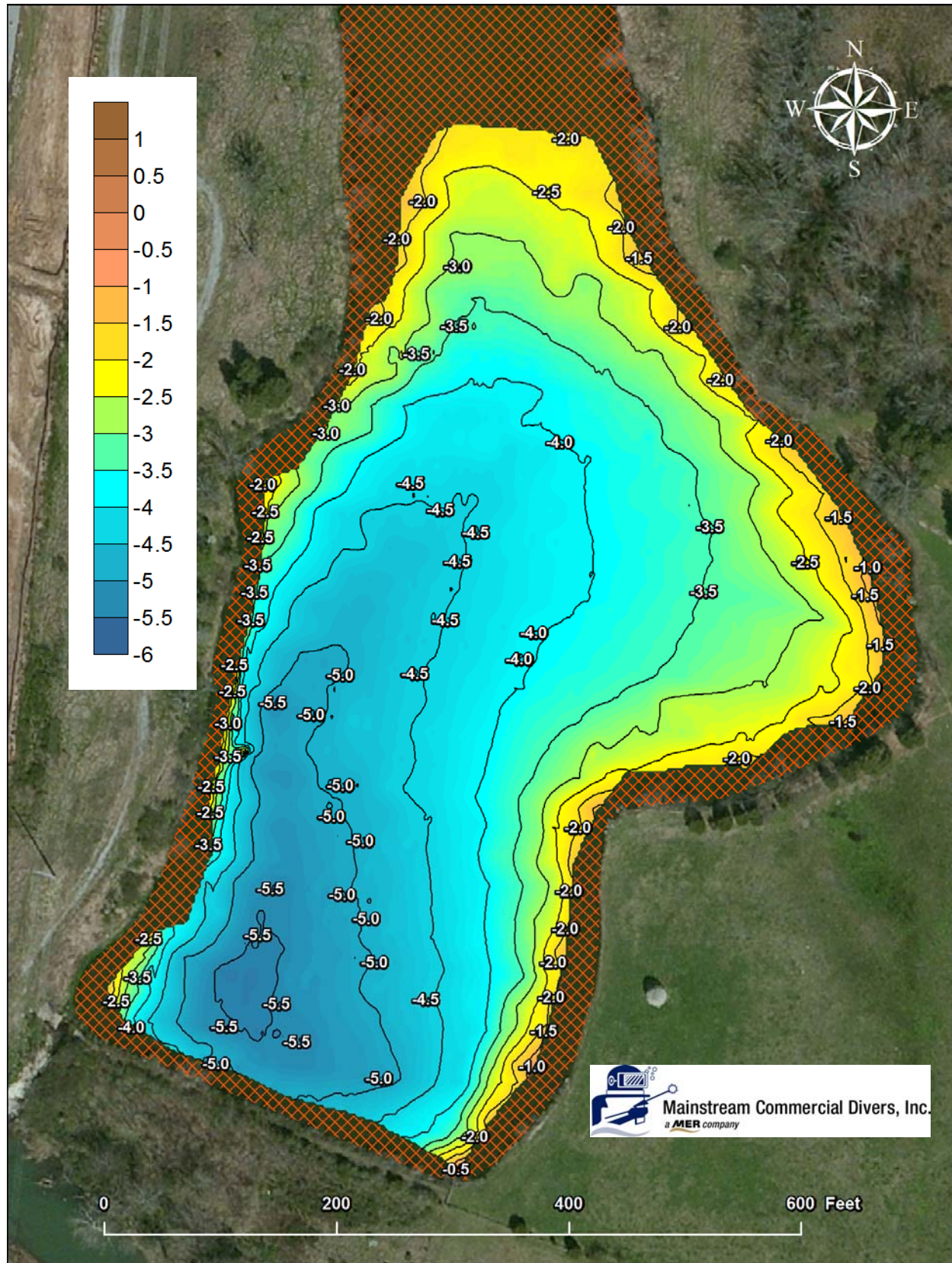
Bathymetric Study – Robinson Lake – Franklin, TN

Date of Survey	July 13, 2017
Customer Name	City of Franklin, TN
Site Location	Franklin, TN
Elevation Reference Info	An elevation reference point was not available at the time of data collection. Elevation values within report imagery are depth at time of data collection. Some vertical measurements were recorded relative to partially submerged fence posts. Images are included in the report. One post was flagged onsite with pink ribbon. The measurement from the top of the flagged post to the surface of the water was 2.90 feet.
Water Elevation at Survey	Surface elevation was stable throughout data collection period.
Site Conditions	Wind was no issue. Isolated small lake with minimal wind.
Horizontal Coordinates	Tennessee State Plane feet (NAD 83)
Equipment Used	Oquawka Survey Boat Odom CV100 Survey grade echosounder Trimble dual frequency GPS unit (MS750) Odom Digibar SVP Hypack 2016 Hydrographic Software
Other Notes	Boat launching in the lake was challenging. It was barely deep enough to launch, though it was successfully completed. City of Franklin staff provided equipment (bobcat) to pull tow vehicle and boat w/ trailer up steep incline to a roadside parking area on the east side of the lake.

Overview of Data Collection Area



Contours of Data Collection Area



Site Photos



View of Boat Launch



Looking Towards Fence Posts

Site Photos



Two Fence Posts for Reference



Flagged Fence Post