

## Hydroline LLC Select CEESCOPE™ for Frac Pit Volume Surveys

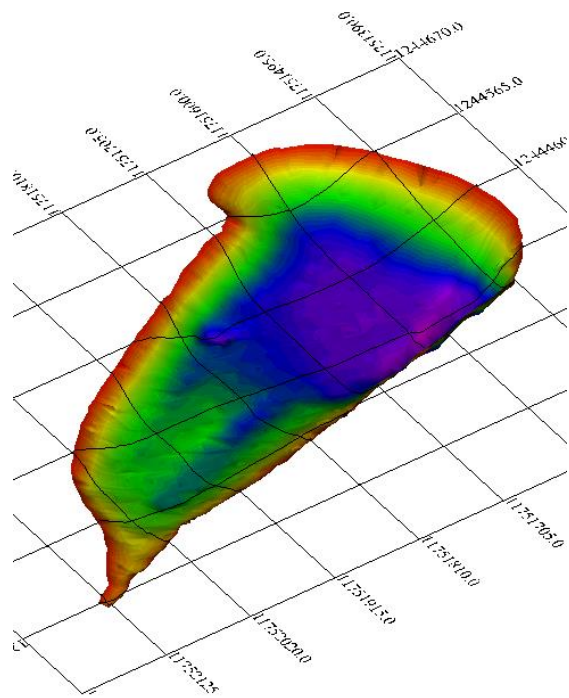
*Louisiana, USA based Hydroline LLC offer water volume surveys supporting the hydraulic fracturing industry. Using a single-person survey system based around the CEESCOPE™ “all in one” echo sounder, Hydroline use advanced HYPACK® software in combination with exceptionally detailed 20Hz CEESCOPE™ sounding data to generate surveys demonstrably superior to the industry standard.*

After reviewing various echo sounder and unmanned boat survey systems, Hydroline LLC teamed up with CEE HydroSystems to develop a leading survey capability for frac’ water storage ponds. The goal was to obtain unequivocal, high quality pond and pit volume data for their clients.



For flexibility to cover all survey scenarios from small excavated pits to large natural lakes, a small manned boat was selected over a remotely-

operated boat. The CEESCOPE’s 200 kHz transducer and GPS antenna were mounted at the bow on a pivoting mount to allow very shallow operation.



While surveying, the on-board laptop display offers a real-time view of the boat track, soundings, and detailed water column echogram for a complete view of the survey data, all with only a single cable to the CEESCOPE™.

Ease of operation and industrial-grade ruggedness were key decision factors for the setup; the Hydroline team are already producing wonderful results.