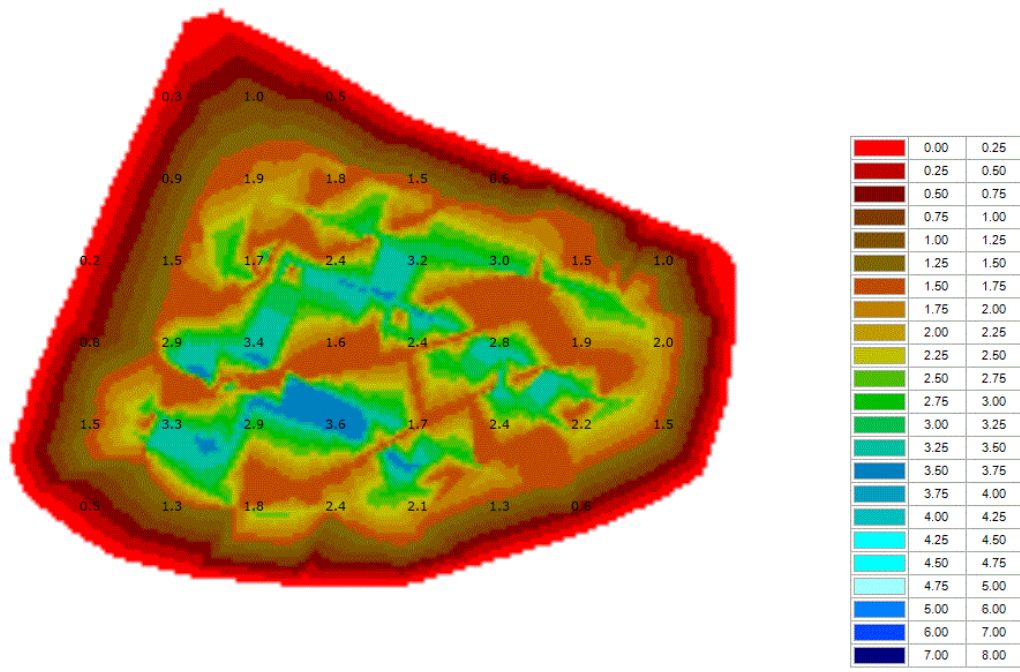


# SCOUT

## Hydro Profiling For Wastewater Lagoons and Any Pond or Lake

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Polishing lagoon of a 2 cell 25 year old facultative wastewater lagoon system for a small town in the US. Design depth and depth at the time of survey 5' deep. Measurements shown on the profile depict the amount of water above the measured top of the sludge in the lagoon.

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- ⦿ **Color enhanced hydrographic picture**
  - ⦿ **GPS/GONASS data positioning detail**
  - ⦿ **Visual and digital data supplied**
  - ⦿ **Sludge volume supplied**
  - ⦿ **Volume of water supplied**
  - ⦿ **3-D view available for curious images**
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The Reliant Water Technologies **SCOUT Hydro Profiling System** is the answer to obtaining clear and concise shallow water survey data quickly and inexpensively. By not only providing a visual hydrographic 'picture' of everything underwater, in any shallow body of water, the **SCOUT** also provides the volume of sludge in the water body (as well as the volume of free water). The 'picture' provided is color enhanced in order to provide clear, definitive delineation of variable depths of sludge, or debris, and includes multi-point water depth over-lays.

The **SCOUT** sonar hydrographic survey is obtained quickly onsite, often in less than an hour, and the profile can be supplied within 2 weeks. 3-D views can be supplied where curious underwater images are found. The same technology used for deep sea exploration by the U.S. Navy and under sea exploration companies is utilized. All high quality profiles utilize the latest in GPS (Global Positioning System) and GLONASS (Global Navigational Satellite System) data to provide the exact positioning of all the profile data supplied.

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## Data Acquisition Specifications and Limitations

**Environmental:** Operating water temperature - -5°C to 50°C (23°F to 122°F)  
Safe boating conditions

**Power required:** None

**Boat:** USV (unmanned Survey Vessel)

**Depth Range:** .3 to 200 meters (1 to 650 feet)

**Depth Resolution:** 7.5 cm (3 inches)

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## Nationwide Profiling Services Available



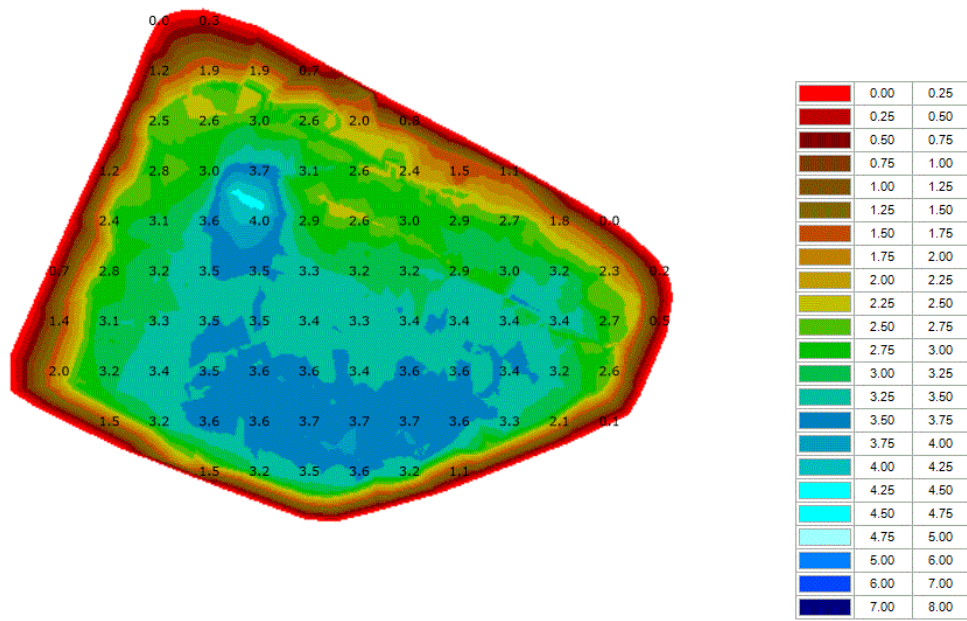
Reliant Water Scout USV (Unmanned Survey Vessel)

States within a 1 day drive of New Orleans, LA can be serviced by a profiling specialist with all necessary equipment including the USV.

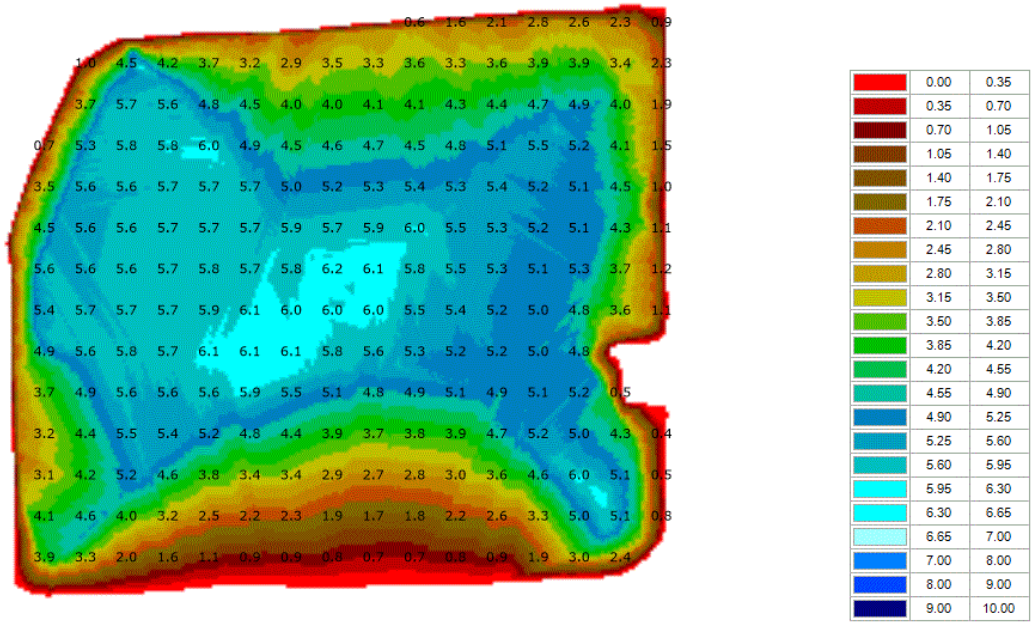
All hydrologic profiling electronic equipment and USV are portable and can be carried in a pickup or shipped by plane for survey areas outside of driving range.

Final report includes a colored digitized profile with all digital data included. Sludge volume and water volumes will also be provided.

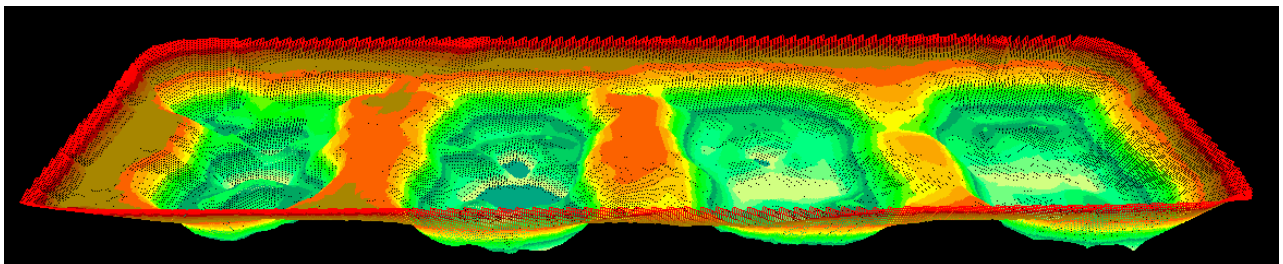
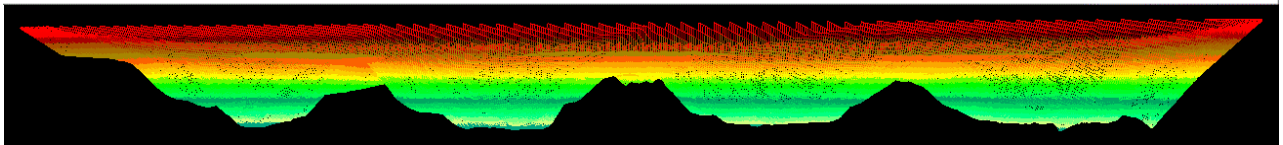
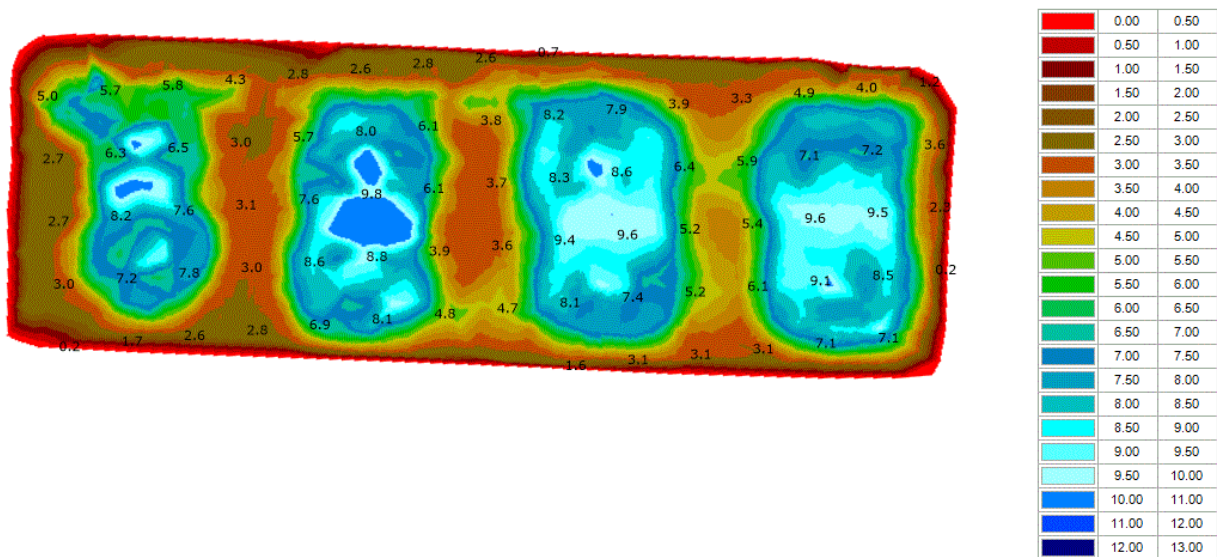
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1.5 acre facultative wastewater lagoon, with a 5' depth. Scout profile exhibiting color delineations based on the color and depth scale on the right. Measurements shown on the profile depict the amount of water above the measured top of the sludge in the lagoon



A seven acre wastewater polishing lagoon, with a 7' water depth. Scout profile exhibiting sludge delineations based on the color and depth scale on the right. Measurements shown on the profile depict the amount of water above the measured top of the sludge in the lagoon



A three acre wastewater lagoon, with a 10' design depth. Top Scout profile exhibiting color delineations based on the color and depth scale. Measurements shown on the profile depict the amount of water above the measured top of the sludge in the lagoon. Sludge parapets built by the use of large surface aerators. Center 3-D provides a complete 90° perspective that clearly shows the depth of the sludge buildup areas. The bottom 45° 3-D view illustrates another perspective of the sludge buildup in the lagoon.

**RELIANT**

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