



## **Bathymetric Survey System, Seafloor Systems OSM#9905295**



The bathymetric survey system can be mounted on the remote-control SeaFloor Systems Hydronautics boat, or mounted on MCR's jon boat in order to produce 3D models of underwater terrain such as the bottom of water impoundments and sediment ponds. The system allows sites containing water features to be fully mapped by combining LiDAR or other surface elevation data with the underwater survey data.

### **The System Includes:**

- Sonarmite underwater sensor and receiver
- Hydronautics remote-control boat
- Trimble ProXRT GNSS survey system w/ receiver, antenna and data collector
- Jon Boat w/ trailer (if required for larger water bodies)

### **Uses:**

- Perform underwater surveys of terrain in water-filled pits, ponds, lakes

### **Maintenance:**

- Annual subscription is necessary for OMNISTAR corrections on Trimble GNSS device
- Multiple batteries and receivers need charged and maintained
- Clean dirt from all equipment after use

### **Check out Contact information:**

This unit is available from the Technical Services Branch of the Mid Continent Region of OSM in Alton, IL. Typically, qualified technical staff from OSMRE should accompany the equipment when surveys are performed. Equipment is available on a case-by-case basis depending on demand. Training on the use of the equipment and software is required including processing the survey data. Contact **Chris Kiser at 618 463-6465 ext. 5120 at [ckiser@osmre.gov](mailto:ckiser@osmre.gov)** for more information.