

## Advanced Underwater Tooling, Construction & Maintenance

- **POWER FACILITIES:** Blanking Plugs, Bulkheads
- **CIVIL & TRANSPORTATION:** Anchor Cable Threading
- **OTHER:** Manipulators, Retrieval Hooks, Line Cutting, High Pressure Water Jetting, Jet Pumping, ROV Controlled Lift Bag, Engagement Tools, Concrete Placement & Dredging

## ROV Fleet Capabilities

- **SWIMMING ROVs** up to 24,000 feet linear and 2000 meters of pressure/depth
- **CRAWLING ROVs** up to 7,500 feet linear and 100 feet of pressure/depth
- **STREAMING ROVs** with capability of concurrent use of sensing systems above and below the waterline
- **SENSORS AVAILABLE** include sonar, ground penetrating radar, color video, high-resolution black and white video, sub-bottom sonar, bathymetry, ultra-sonic thickness gauging, conductivity, H<sub>2</sub>S, and precision Tunnel Map™ technology.

## Inspection & Tooling Services

- **POWER & PUMPING FACILITIES:** Trash Racks, Lower Outlets, Head Gates, Wicket Gates, Ball Valves, Tailraces, Long Tunnels, Deep Tunnels, Bifurcations, Manifolds, Surge Shafts
- **WATER PURIFICATION/TREATMENT:** Tunnels, Cribs, River & Ocean Outfalls, Siphons
- **CIVIL & TRANSPORTATION:** Bridge Piers, Floating Bridge Anchors
- **INDUSTRIAL:** Cooling Water Tunnels, Intake/Outlet Structures



Hibbard Inshore brings technologically advanced solutions and experience to your worksite for complete inspection and construction in the most extreme conditions. Long penetrations, high turbidity, deep tooling, and short outage times all present challenges that we meet with innovative sensor and tooling packages delivered by the finest ROV's. When you need creative solutions for underwater construction and debris removal or crystal clear video and informative sonar plots showing the condition of your structure, call us.

 **Hibbard Inshore**

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 **Hibbard Inshore**



*Underwater Construction  
and Maintenance Services*

# Hibbard Inshore, LLC is pleased to announce its underwater construction and maintenance capabilities.

*The use of ROVs allows for controlled placement of dredging equipment and concrete pours in great depths with narrow space constraints.*

## Underwater Concrete Placement

Hibbard Inshore has the capability and experience to do accurate placement and pouring monitored by our ROVs. This is particularly advantageous if you need a precise underwater placement in low visibility, restricted access or at depths that are restrictive to a commercial dive team.

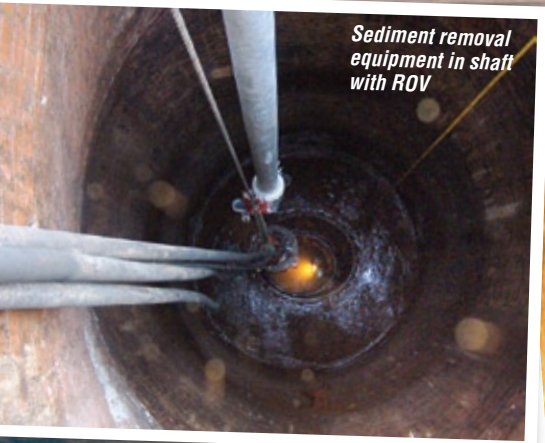
## ROV Controlled Dredging

Debris removal in low visibility or deep water can be both challenging and present safety concerns. Through the use of ROVs to monitor and control the dredging and jetting processes, the staff of Hibbard Inshore is able to quickly and accurately position equipment to complete the job while minimizing the job safety risk.

## ROV Controlled Tooling

The high quality ROV fleet of Hibboard Inshore has the ability to be equipped to do a wide variety of underwater construction tasks using Vehicle Assisted Tools®. Cutting, anchor line threading, retrieval, blanking plug installation, bulkhead installation, and lift bag control are some of the varied solutions that our team is able to deliver.

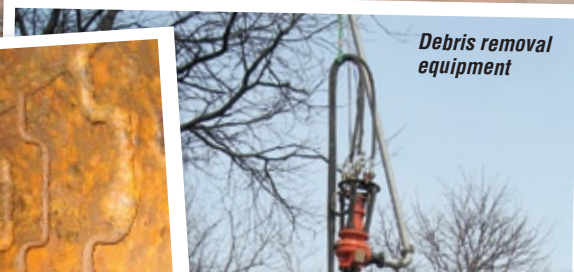
Concrete placement equipment in 400 foot shaft with ROV



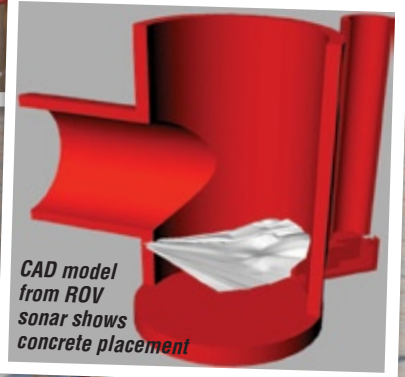
Sediment removal equipment in shaft with ROV



Shaft to be decommissioned by 400 foot continuous concrete pour.

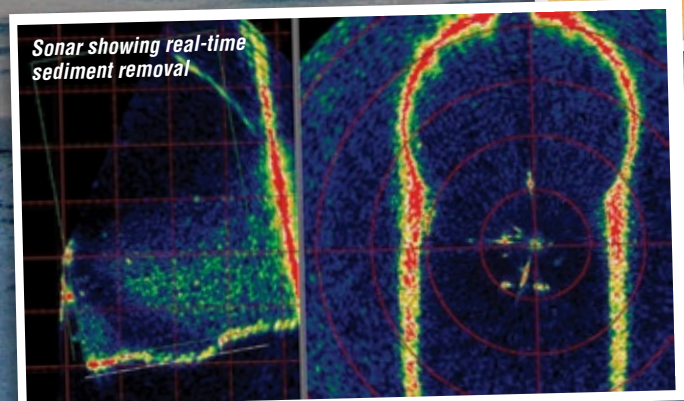


Debris removal equipment



CAD model from ROV sonar shows concrete placement

Dredging in an active pumping channel



Sonar showing real-time sediment removal

