



## Inspection and Maintenance Services for Hydroelectric Facilities

### Hibbard Services

Advanced Sensors to Assess Remaining Life of Structures

#### Inspection

- Deep Water
- Long Range
- High Incline
- Visual
- Sonar Crack Detection
- Dimensioning
- 3-D Mapping
- Concrete Assessment
- Metal Corrosion and Thickness Assessment

#### Construction

- Bulkheading
- Debris and Sediment Removal in Front of Units
- Trash Rack Removal and Replacement
- Cutting
- Coring

### Hibbard Benefits

#### Minimize Outages

- Work In Flow
- Unmanned
- No Dewatering

Equipment Fit to Customer Need

Low or Zero Visibility Operation

### *Alternative Solutions to Reduce Maintenance and Inspection Costs*

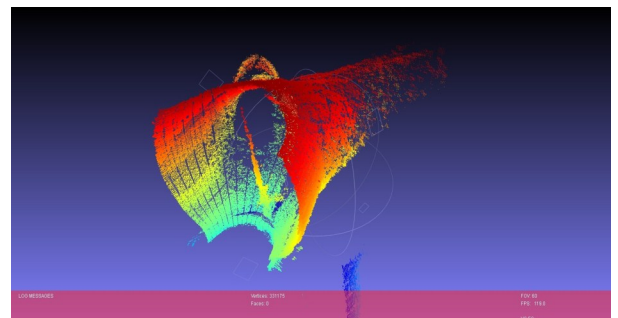
Managing and maintaining the condition of critical structures and assets for functionality, lifespan assessment, and regulatory compliance are common challenges for dam owners. Hibbard Inshore helps its customers address these challenges by giving them quantifiable data on the underwater portions of their structures allowing them to plan and perform necessary maintenance proactively.

Structures Hibbard Inshore can inspect include: **Trash Racks, Lower Outlets, Face of Dam, Intakes, Head Gates and Seals, Stoplogs, Reservoir Bathymetry, Toe of Dam, Penstocks (Flooded and Dry), Turbines, Turbine Shut Off Valves, Diversion Tunnels, and Long Conveyance Tunnels.** Hibbard Inshore also performs **Dredging in Front of Units, Bulkheading, and Trash Rack Removal and Replacement.**

The Hibbard advantage is that, along with highly experienced operators, we have a wide variety of vehicles and sensors to fit any level and physical length of project. Our objective is always to deliver more useful data to our customers at a lower cost. If you have an inspection, structural lifespan evaluation, debris removal project, or you need a bulkhead installation and you do not want to dewater or perform confined entry, please contact us for a quotation.



Inspection Vehicle with Sonar and Additional Lighting



3D Sonar Point Data from Intake at Bifurcation