

# Reservoir Maintenance

## Haweswater Reservoir, Cumbria – Scour Draw Off Pipe

OFFSHORE & INSHORE DIVING SERVICES TO PUBLIC, PRIVATE, FRAMEWORK AND ENERGY CLIENTS WITHIN THE INSHORE/INLAND, MARINE RENEWABLES AND OIL & GAS SECTOR



Date:  
**October 2013**

Programme Duration:  
**5 Days**

Project Number:  
**513064**

Client:  
**United Utilities**

Principal Contractor:  
**Red7 Group**

### Overview:

Red7 was contracted by United Utilities to conduct air diving operations in Haweswater Reservoir, Cumbria. The diving operations were required to facilitate the temporary blanking off of the scour draw off pipe system.

### Description:

As part of routine maintenance United Utilities (UU) needed to work on one of the two valves located on the downstream side of the scour draw off pipe. To act as a secondary control method UU asked Red7 to install a blanking plate on the upstream side.

To install the blanking plate Red7 had to first remove a pyramid shaped debris grill using hydraulic grinders and hand tools. With the grill detached it was then lifted to surface and recovered to the top of the dam wall using a system of air bags and a bespoke purpose built davit arm and winch. The blanking plate was then installed to allow UU to undertake the required maintenance on the downstream valve.

On completion of the valve maintenance Red7 returned to Haweswater Reservoir to remove the blanking plate and re-install the debris grill.