

Lower Monumental Dam Removable Spillway Weir (RSW) Kahlotus, Washington



Client:

United States
Army Corps of Engineers
Walla Walla, Washington

Contract Value:

\$16,088,600

Project Timeline:

Started: June 2006
Completed: March 2008

Project Highlights:

- 2 million pounds of structural steel fabrication for floating structure
- Underwater cast in place concrete placement
- Over 800 underwater dives to depths of 120 feet to support installation
- 500 undercut anchors installed underwater
- 16, 53' rock anchors were installed in 120' of water
- Highly technical ballasting and anchoring of the RSW
- Installed controls & control room



Dee Burch and Jake Duyck accepting the 2009 Aon Build America Award for the Lower Monumental RSW Project

In an effort to find safer, less stressful passage routes for juvenile salmon and steelhead as they pass through the Columbia and Snake Rivers, the U.S. Army Corps of Engineers & AAC collaborated to construct a Removable Spillway Weir (RSW) designed to attach to the Lower Monumental Dam Spillway #8.

One of only 3 in the world, the RSW consisted of a 2 million pound, 120 foot high, 80 foot wide and 70 foot deep, high-performance coated structure being fabricated, floated and towed 280 miles upstream for final installation to the Dam.

The project took top honors at the 2009 Aon Build American Awards in the Federal and Heavy New Construction Category.