

# American Basin Fish Screen and Habitat Improvement Project

## Construction Progress Summary – November 2011

TO: Dee Swearingen/NMWC  
FROM: Jane Rozga /CH2M HILL  
Jerimy Borchardt/CH2M HILL  
DATE: December 15, 2011

This report provides a summary of progress for November 2011 for the American Basin Fish Screen and Habitat Improvement Project.

The American Basin Fish Screen and Habitat Improvement Project is being constructed in two packages. Schedule A (Sankey Diversion) is the new river intake facility, including the fish screen, 434 cfs pumping plant, access bridges, and canal connection. The Sankey Diversion was designed by CH2M HILL and is being constructed by Mountain Cascade Inc. (MCI). Schedule B (Sankey Canal) includes a new irrigation canal, connections to existing canals, and hibernacula and wetlands plantings. The Sankey Canal was designed by Mead & Hunt and is being constructed by Teichert Construction. CH2M HILL is providing construction management and observation services, along with biological monitoring, for both portions of the project.

### Activities Performed and/or Completed

#### Schedule A – Sankey Diversion

##### Diversion Structure:

Mountain Cascade completed the second lift of most of the walls this month.

##### Other Structures and Site Work:

The valve vault slab was completed and work on the vault walls got underway. Placement of riprap scour protection for the diversion structure and the training walls was completed.



Diversion facility south wall



Discharge pipes and valve vault walls

**General:**

Mountain Cascade continues to prepare and transmit submittals for equipment and materials, while CH2M HILL continues to review and provide comments. No significant issues are noted. The 18<sup>th</sup> pay request for work through the end of November, \$1,211,194 including retention, was approved. The value of work in progress and stored materials through the end of November is \$11,746,645, representing an approximate completion level of 63%. No new Work Change Directives were finalized during this period.

**Key Sankey Diversion Dates:**

- NTP - June 25, 2010
- Start of cofferdam construction - August 25, 2010
- Fish rescue and closure of cofferdam and training wall work areas - Oct 7, 2010
- Diversion structural slab poured – August 10, 2011
- First diversion structure wall pour – September 1, 2011
- Completion of rip rap scour protection – November 29, 2011

**Schedule B – Sankey Canal****General:**

Teichert Construction continues to prepare and transmit submittals for equipment and materials, while CH2M HILL continues to process through the design team and provide comments. No significant issues are noted. The seventh pay request, for work through the end of November, was submitted and approved for \$1,061,755 (including retention) for work progress and stored materials. The current value of work in progress and stored materials is \$5,823,535 representing an approximate completion level of 83%. No Work Change Directives were issued in November.

**Structures:**

Dry finishing of the concrete for all canal structures was completed in November. Except for backfilling, handrails, and grating, the structures are complete. Welding of the 72-inch WSP at the NDC crossing was also completed in November.

**Canal:**

Teichert resumed importing embankment fill at the approximate rate of 6,000 CY/day, placing fill from the Bennett Canal to the Northern Canal. The canal between Bennett Canal and the NDC was almost complete at the end of November. Teichert has a majority of the 3-inch force main installed and is waiting for the pipe lining subcontractor before completing the tie in.



Canal between NDC and Northern Canal



Completed NDC Structures and 72-inch WSP

**Key Sankey Canal Dates:**

- NTP & Start of construction - May 2, 2011
- Completed pile installation – July 29, 2011
- Begin importing embankment fill – August 30, 2011
- Hauling suspended due to trucking issues – Sept 28, 2011
- Hauling resumed – October 13, 2011

**Activities Anticipated Next Month (December)****Schedule A – Sankey Diversion**

- Complete diversion facility walls.
- Complete concrete lining in canal at outlet structure.
- Begin concrete work for bridge columns.

**Schedule B – Sankey Canal**

- Continue placing embankment fill for canal.
- Complete installation of force main.
- Install handrail at structures.