

CENTER OF COLORADO WATER CONSERVANCY DISTRICT SMELTER PIPELINE RESERVOIR ENLARGEMENT PROJECT



Before and after photos from Smelter Pipeline Reservoir Dam

Project Description

The Center of Colorado Water Conservancy District (CCWCD), a Title 37 Special District, co-owns and manages a blanket augmentation plan across Park County with the Upper South Platte Water Conservancy District. The CCWCD purchased Smelter Pipeline Reservoir in 2005 to increase its augmentation capacity in the upstream reach of the basin. When purchased, the reservoir had significant seepage issues and its diversion headgate was deteriorated and marginally operational. The enlargement of the reservoir from 21 AF to 28 AF increased CCWCD's storage capacity and enabled it to more efficiently implement its augmentation obligation across Park County. Included in the project was the lining of the reservoir, replacement of the diversion headgate, and modification of the dam outlet works to accommodate the increased capacity.

Project Data

Sponsor: Center of Colorado Water Conservancy District

County: Park

Water Source: Michigan Creek

Substantial Completion: February 1, 2013

Terms of Loan (Contract #C150335): \$404,000 (\$404,000 drawn) for 10 years @ 2.50%

Design Engineer: TZA Water Engineers, Lakewood, CO

Contractor: Hudick Excavating, Inc., Castle Rock, CO

Project Elements: 35,000 CY of native material excavation and placement, 150,000 SF of 30 mil PVC liner, 300,000 SF of 8oz. geotextile layer, 750 LF 8" PVC, 850 LF 6" PVC, and installation of a 4" flow meter and valve box