



## Emergency Inlet Ditch and Diversion Structure Repair

Ish Reservoir Company  
Project Closeout December 1, 2016



The Boulder Larimer diversion dam after the September 2013 flood, picture taken 9/17/13



### Project Description

During the unprecedented flood of September 2013 in the tributaries to the South Platte River, a significant number of diversion structures and dams along the river corridor were damaged. The purpose of this Project was to repair the Little Thompson River diversion structure and the Ish Reservoir inlet ditch structure to allow the Company to deliver water to shareholders. Diversion structure repairs involved removing debris from the dam and diversion structure, forming and pouring a new wing wall on the north side of the diversion dam, and then rechanneling the Little Thompson River to flow back over the diversion dam. The scope of work for the inlet ditch washout repairs involved creating a new path for the Company's ditch through the area. This involved creating a foundation secured to bedrock and building a new water conveyance system on top of the foundation.

P R O J E C T D A T A		
<i>Sponsor:</i> Ish Reservoir Company	<i>County:</i> Boulder & Larimer	<i>Water Source:</i> Little Thompson River
<i>Type of Project:</i> Diversion Rehabilitation		<i>Board Approval Date:</i> October 2013
<i>Loan Terms:</i> \$207,050 at 1.75% for 30 years		
<i>Design Engineer:</i> Tessara Water, LLC & SM&RC Structural Engineers, Inc.		
<i>Contractor:</i> Concrete Structures, Inc. & Zak Dirt, Inc.		
<i>Project Elements:</i> Diversion reconstruction, channel re-shaping		