



Milner-Gooding Canal

Shoshone, Idaho, USA



Owner
**BIG WOOD CANAL COMPANY
OF SHOSHONE, IDAHO**

Products
MEGAMIX II, CONCENTRATE

Since its construction in the 1930's, the Milner-Gooding Canal has provided vital water to the farmers in and around Shoshone, Idaho. Recently, a concrete flume on the canal which was showing extensive deterioration due to freeze-thaw attack has been restored with [Xypex crystalline waterproofing](#) materials.

The owner, Big Wood Canal Company of Shoshone, Idaho, hired MWH Global who, after thorough analysis determined the flume was still in sound structural condition and did not need replacement with a new structure. Instead, they chose Xypex crystalline waterproofing and repair products to restore and waterproof the existing structure to protect it against freeze that damage and extend its service life while saving millions of dollars in the process.



The first step in the restoration required extensive high pressure water blasting to remove the decades of lime deposits. Once these were removed and the surfaces were clean, Xypex [Megamix II](#) was used to patch badly deteriorated areas before a spray coat application of Xypex [Concentrate](#) at a coverage rate of 2 lb/sq. yd. (1 kg/m²). The application of Xypex products was completed by Guaranteed Waterproofing Company of Salt Lake, Utah in a continuous operation of watering, and coating all along the 2.2 mile long flume. A total surface area 375,000 sq. ft. (35,500 m²) was treated.

