

## Company

Friends of the Teton River

## Application

Fish/debris/water screening at a barrier that converts a branch of a creek into a canal

## Challenge

To improve irrigation efficiency and minimize fish entrainment and impingement

## Results

Improved irrigation and fish exclusion, reduced costs, and zero maintenance



The Hydrolox screen now prevents fish from entering the irrigation canal.

# Hydrolox Screen Requires Zero Maintenance after Two Years at Badger Creek

## Background

Friends of the Teton River (FTR) is a non-profit organization that endeavors to preserve clean water and healthy streams and fisheries in the Teton Valley. In 2005, an FTR survey determined that Badger Creek, a tributary of the upper Teton River, required removal of a significant barrier, labeled “the splitter,” which served to convert a branch of the creek into a canal.

## Problem

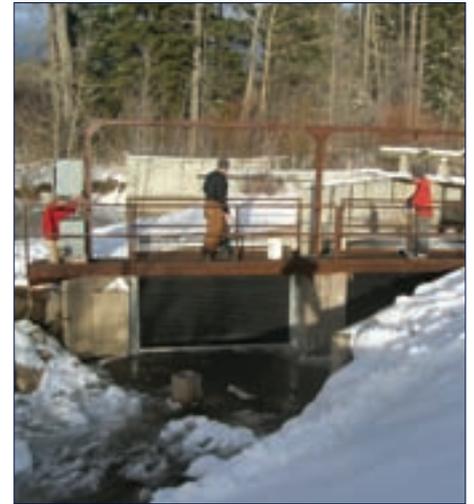
Because of its position on a bend in Badger Creek, the splitter sustained a great deal of hydraulic pressure during high flows. The possibility of a potential blowout was a great concern of the irrigators using the diversion. Additionally, the splitter was responsible for the substantial number of Yellowstone cutthroat trout that were trapped in the irrigation canal each year.

## Solution

To replace this troublesome barrier, FTR sought a solution that would improve the long-term safety of the structure and irrigation efficiency, as well as reduce fish entrainment and impingement. A solar-powered Hydrolox traveling water screen was an important part of the new design. Hydrolox fish screens are made of engineered polymer materials and are designed to be fish friendly, long lasting, and virtually maintenance free.

## Results

The small footprint and simplicity of design made the Hydrolox screen



Following the success at Badger Creek, FTR installed another Hydrolox screen at South Leigh Creek.

easy to install. Nearly two years later, Friends of the Teton River reports that the Hydrolox screen has excelled in the application. The screen successfully prevents fish and debris from entering the irrigation canal while allowing efficient water flow. Most importantly, the screen has proven to be maintenance free. “There is no maintenance necessary with the Hydrolox screen,” said Mike Lien, Restoration Director of FTR. “You can put it in the water and forget about it.”

The screen has also contributed to cost savings. “Hydrolox screens are a phenomenal value in terms of maintenance-free operation,” says Lien. He also praised Intralox for its customer service: “Intralox helped with the installation, with shipping issues, and with design questions...they were extremely responsive. I give Intralox an A+ on customer service. Simply amazing customer service!”

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