

## Lower Diversion Dam Repair

In 2008 a major project was undertaken by the company to repair the lower diversion dam. When the dam was originally built, rock gabions were used as the primary building block of the dam. The gabions were then capped with a layer of cement. These gabions were slowly coming apart over time. A point was being reached where the whole dam was in danger of collapsing.



In this picture you can see how the gabions were shedding rocks. The wires holding the gabions together were breaking in my locations.

The cement cap on the top of gabions was showing significant cracking and we were afraid large chunks would be breaking off in the near future.



The lower apron had been breaking away for years and was only half the size as it had been originally created.



An excavator cleaned out the old broken cement of the apron.



Then a ditch was dug to create an end footer to anchor the apron.

A new cement layer was then poured to create the lower apron.







A massive wood wall was built to hold the cement pour of the face of the dam.

The wall and the top were pour at one time. Fingers were crossed that it would all hold together during the cement pour.



It looked pretty nice when it was all done.





The dam was placed back in operation and hopefully will last for many years to come. A special thanks to George Carter for all his work to get this project done.