



Beaver Creek Ditch Repairs

Montezuma Valley Irrigation Company
Substantially Complete November 1, 2024

Montezuma Valley Irrigation Company's Beaver Creek Ditch had two breaches that were discovered in May of 2023. Repairs were completed in October 2023.



Project Description

The Montezuma Valley Irrigation Company (Company) provides irrigation water to 1,546 shareholders and over 37,500 irrigated acres in Montezuma County.

In May of 2023, two breaches were discovered in the Company's Beaver Creek Ditch (Ditch) and over 10,000 AF of water was estimated to have been lost. The first washout extended northwards in a V-shaped erosion to a nearby drainage. This was estimated to be 30 feet long, 45 feet wide, and 15 to 20 feet deep from the direction of the canal. The second washout, unlike the first, created a deep ravine downstream of the washout location that extended westwards approximately 2,000 feet before entering a natural drainage.

Since the high elevation provided a very limited construction window for repairs before snowfall, the Company immediately hired Jones & DeMille Engineering to design the repairs. Repairs to the Ditch began in August and were completed by WCA Construction in October 2023. The eroded ravines along the hillside were filled in and regraded to allow for natural drainage. At the site of the breaches, the Ditch was lined with concrete and covered with an impermeable geosynthetic liner to prevent seepage. The Ditch operated the whole of the 2024 irrigation season without issue.

P R O J E C T D A T A		
<i>Sponsor:</i> Montezuma Valley Irrigation Company	<i>County:</i> Dolores	<i>Water Source:</i> Beaver Creek
<i>Type of Project:</i> Ditch Rehabilitation	<i>Board Approval Date:</i> November 2023	
<i>Loan Terms:</i> 30 years @ 2.10% (Original) \$1,414,000 (Final) \$689,366.75		
<i>Design Engineer:</i> Jones & DeMille Engineering		
<i>Contractor:</i> WCA Construction, LLC		