### GRAND COUNTY WATERSHED RECOVERY

# **East Troublesome Fire Watershed Recovery**

Water Resources and Agricultural Review Committee

August 24, 2022

Brian Murphy – Grand County Watershed Recovery Coordinator

## **Partnerships**

Natural Resources Conservation Service	US Forest Service
	Three Lakes

Colorado State Forest Service Three Lakes Watershed Association Middle Park Conservation <u>District</u>

Bureau of Land

Management

Colorado Water Conservation Board

Colorado River District

And many other federal, state, and local partners

## **Outreach to Community**

WATERSHED FIRE RECOVERY 2021 - Fact Sheet #5

WATERSHED

#### EWP Project Design Moves Forwi WATERSHED FIRE RECOVERY

Northern Wales and Gavet County lach hear circuitatia under carrinate la complete designed engineering week for progets identified drough the USDA Alexand Hearcore, Conservation Weaks (WASI) foreignery, Weishneber Roseton (DAV) Register Not Hear Trachelisters files Chily abduk 45 protected 12 WW and hear to see advocated that lar, marking it necessarily to proteed with phased replanetation of EWP enservation. Northern Water and Grand Ecoryty are carriently foculard on

implementation of early warring del systems seeding and middiing of hilplopis that have high excess potential, and deline management practices in answ with elevated rule of non-n management proctices in a loss with developing of the effective course consummers with contracts to work on the namely a vehicle from . When important a loss of these projects receive, consumming with contracts to work on th or granewing for uninterval treatment presses that can begin ance with your handling must the DMP Program leasting.

#### **Construction Begins on**

**Debris Boom at West Por** orectruction is in program for a definit factor at West Portal on Gram is expected to be complete by how 23. In addition, design work to doted for districtions at Willow Creek Reservors, with permitting 

land by the end of farm with construction to begin the informing in

#### Seeding and Mulching to Begin this Summer

Application of smill and molets is important to reducing potential particle ension on barned hilldages. Since will any be applied to lase that has been as 20 percent and 50 percent shope and a readerate to high dagrest awaren. Nothern Water Na Generatical applications 22 percent parts (name project) have now per aligned to an awaren. malding. We are working to final an User areas, as well as obtain process permitting and landparse agreement Recidents can expect to see helicopters beginning to make aerial drips of oved and make beginning to mak Due to the upp of the area reciding tearment, application will take approximately 10 to 45 days to complete

THANK YOU to Grand County landowners for their cooperation in allowing access to their properties lost



#### Virtual Town Hall Set for Nov. 1, 2021

WATERSHED

Search

Stand County and Northem Water officials will answer spectrone about the Binegency Watershiel Protection (BVP) Program auring a uncur toom will reacting plannes for 52 bits 7 pm an Manzay New 5 Beauce of drogoing protection to proventing apraise of 2010-115 the meeting will be conducted an the univer Zoom meeting parts. The Virtue Toom will a open to be guide to give.

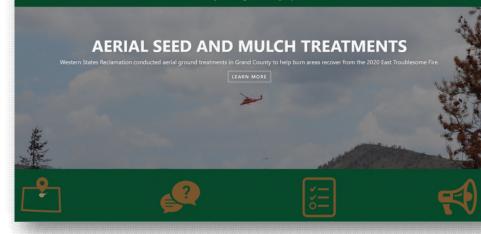
Topics to be addressed include uniques on the respiraty projects. EVA funding status and summit positive impacts.

#### Along the Town Hall





About \* Project Planning Recovery Map \* News





# Landowner Coordination (EWP)

500+ landowners contacted

Landowner cooperation is critical to EWP

Landowner consent required

Many projects originally identified were not constructed

EWP work on Federal lands performed under a Special Use Permit (2021).

# What have we done? (EWP)



# **Completed EWP Projects**





### **Flood Protection**

### Sediment Management



### **Headgate Protection**



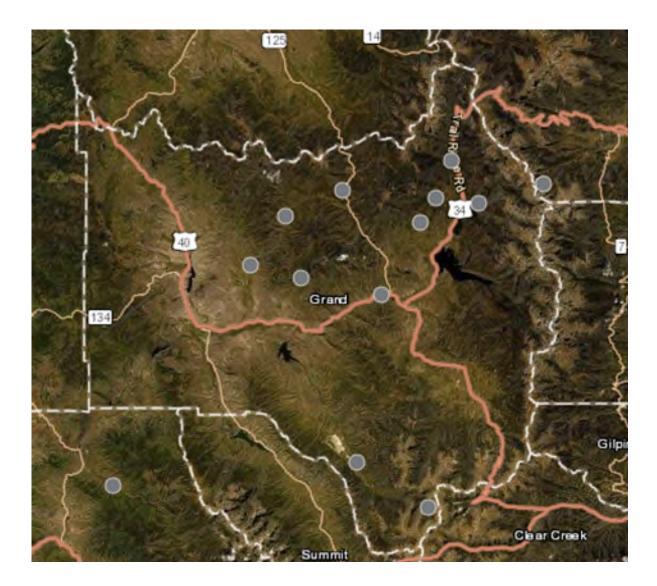




**Roadway Protection** 

www.GCWatershedRecovery.com

# USGS Precipitation Gages for Early Flood Warning



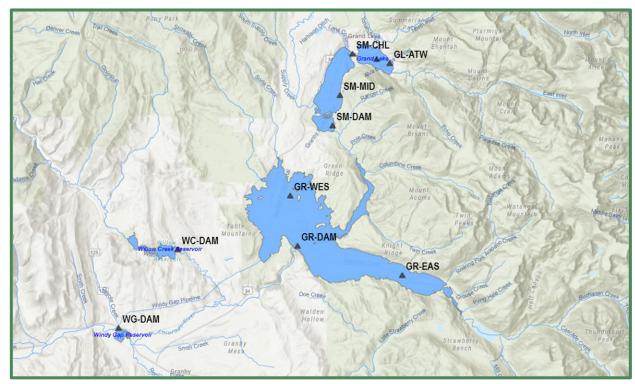
https://co.water.usgs.gov/infodata/COPrecip/index.html

### Post-fire Water Quality Monitoring

Increase in monitoring frequency Additional parameters Increase in real-time data collection

**2022 USGS Joint Funding Agreement Total Cost \$331,674** USGS \$77,996 Northern Water \$253,678





## Sediment Transport to the Upper Colorado River





# Sediment Transport on the Upper Colorado River





# **Post Wildfire Impacts Can Last up to 10 Years or More**



# **Questions? Comments?**

watershedrecovery@northernwater.org

