

Water Impacts and Recovery Efforts East Troublesome Fire

September 2, 2021

Wildfire Matters Review Committee

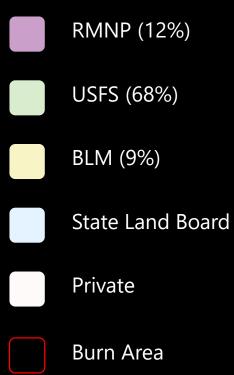
AN AN AN AND

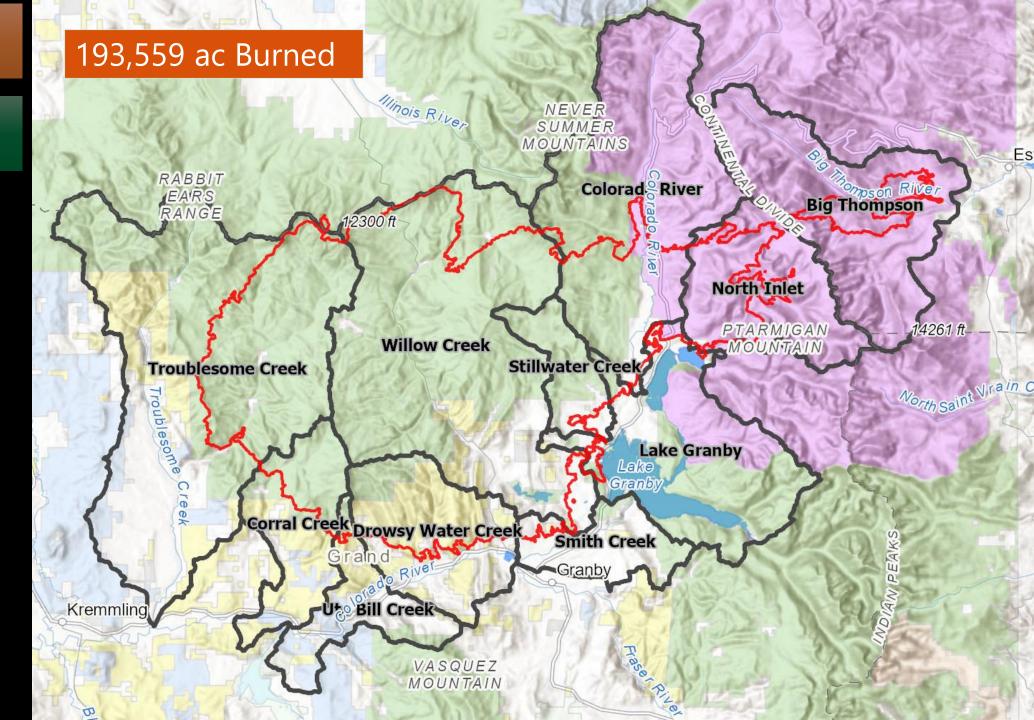
www.GCWatershedRecovery.com



FEDERAL LAND 168,908 ac (90%)



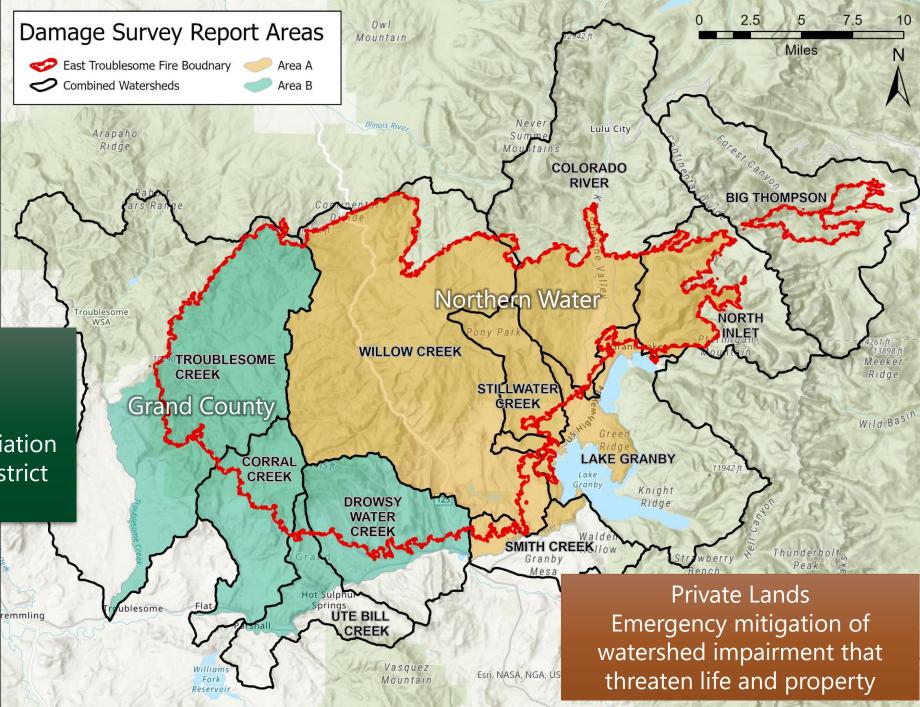




Emergency Watershed Protection Program Sponsorship

Partners Northern Water Grand County Three Lakes Watershed Association Middle Park Conservation District River District

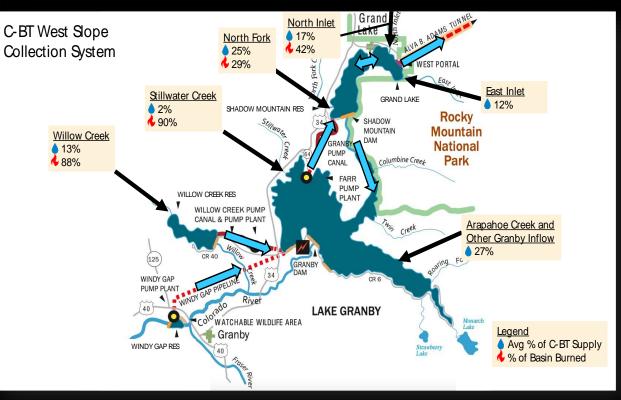








Post Wildfire Impacts





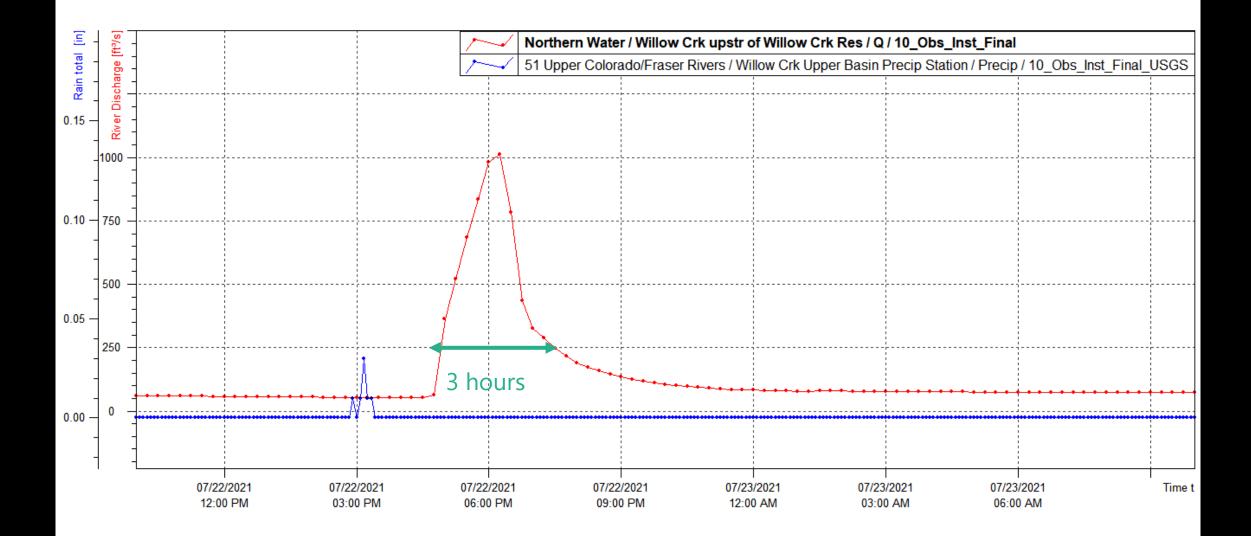








SEDIMENTATIONDEBRIS FLOWSHARMFUL ALGAEWATERFLASH FLOODBLOOMSTREATMENT





WILLOW CREEK UPSTREAM OF WILLOW CREEK RESERVOIR



July 22, 2021







Willow Creek @ C-Lazy U Ranch – July 22, 2021



Highway 125 along Willow Creek – July 27, 2021





August 5, 2021 Willow Creek Reservoir Inlet

Willow Creek Reservoir August 9, 2021

August 17, 2021 Willow Creek Reservoir Debris Removal



DANGER LAKE IS CLOSED TO FULL-BODY CONTACT

Toxic algae may be present! Water contact can cause illness

- Keep kids out
- No pets in water (death may occur)
- Do not drink water
- No water recreation (swimming, skiing, paddle-boarding, wading, etc.)
 If exposed, shower immediately

Fishing permitted - rinse fish with clean water and properly dispose guts Boating permitted - avoid algae



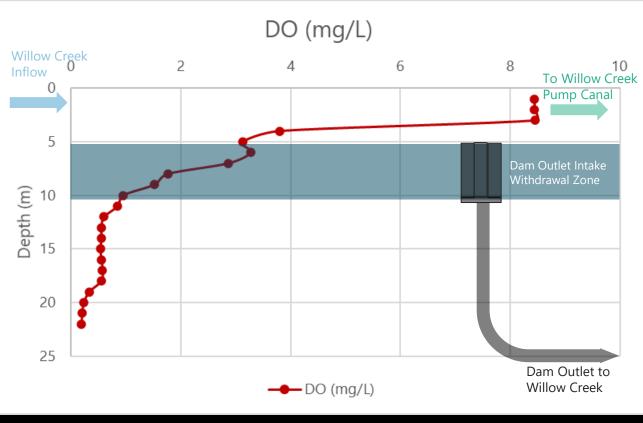
If you or your animals have nausea, vomiting, diarrhea, rash, irritated eyes, seizures or breathing problems, call Poison Control: 1-800-222-1222





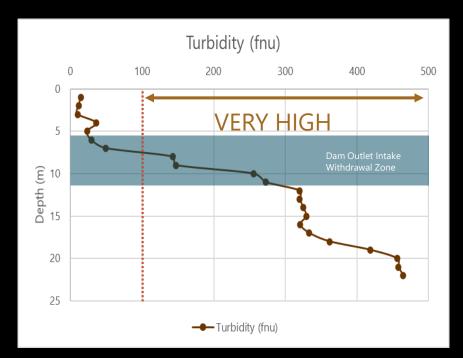


Willow Creek Reservoir - July 27, 2021





Dissolved Oxygen < 6 mg/L = Impacts to Aquatic Life





North Inlet Aug 3, 2021



North Inlet Samples, Aug 4, 2021



Fire Recovery

Progress Update

Debris Booms



West Portal Completed



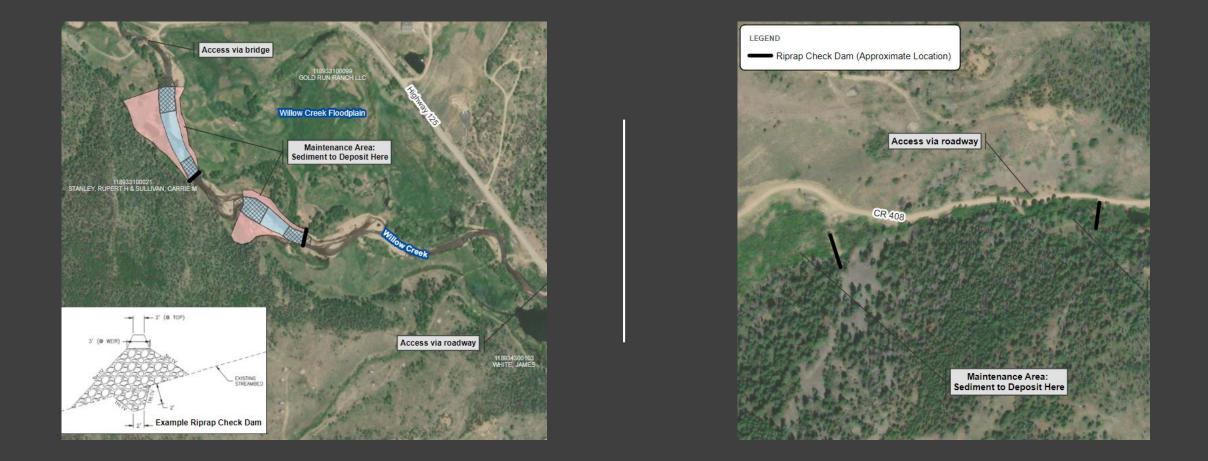




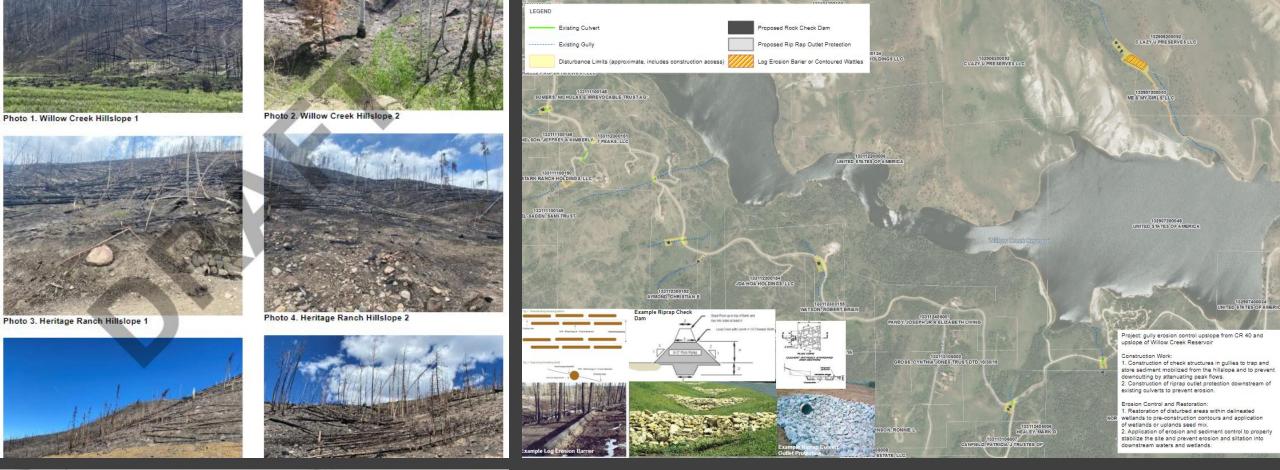




Pre-Existing Debris Removal

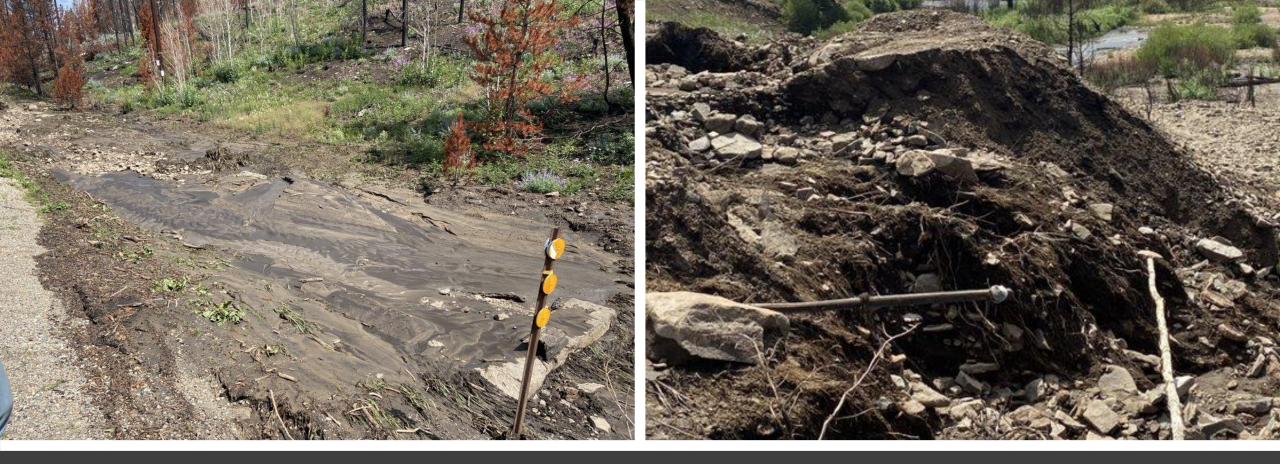


Sediment Management





Hillslope/Gully Erosion Control



New Debris Removal







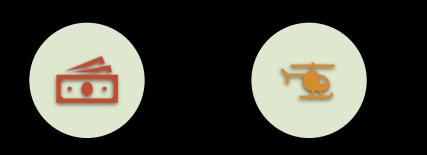
361 SEMI

LOADS



24 DAYS

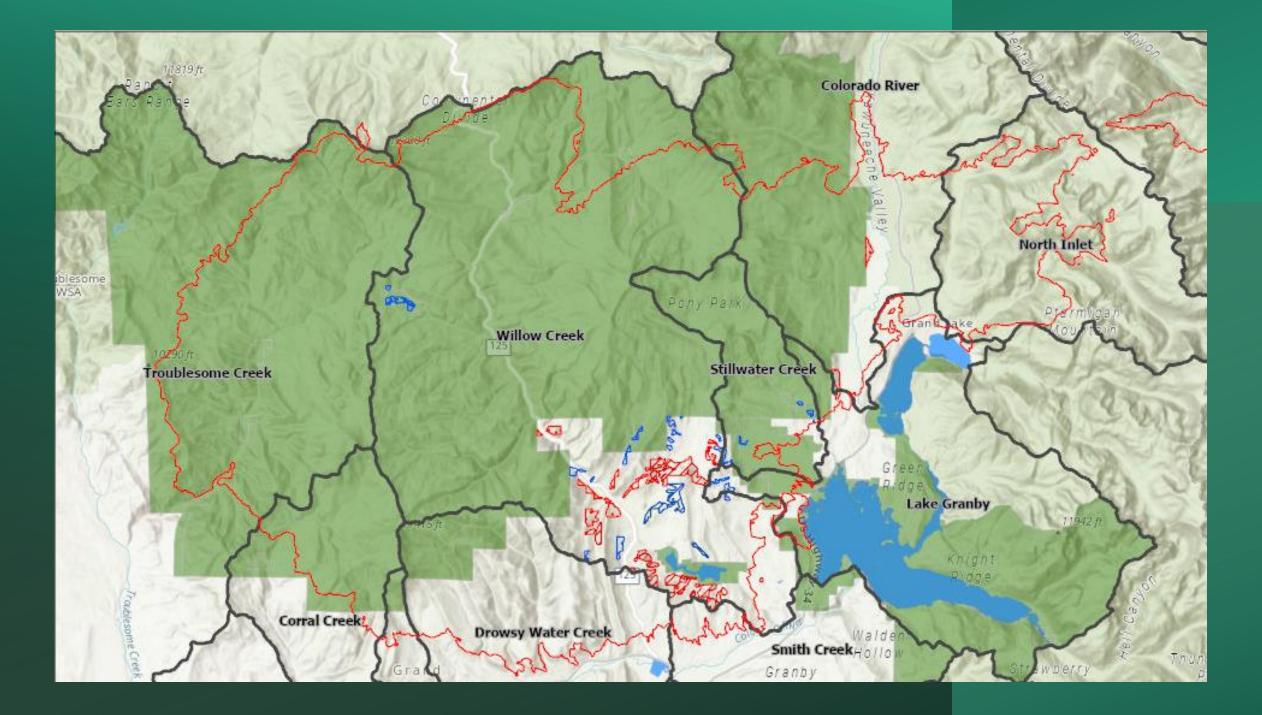
2,318 ACRES



7,137 DROPS

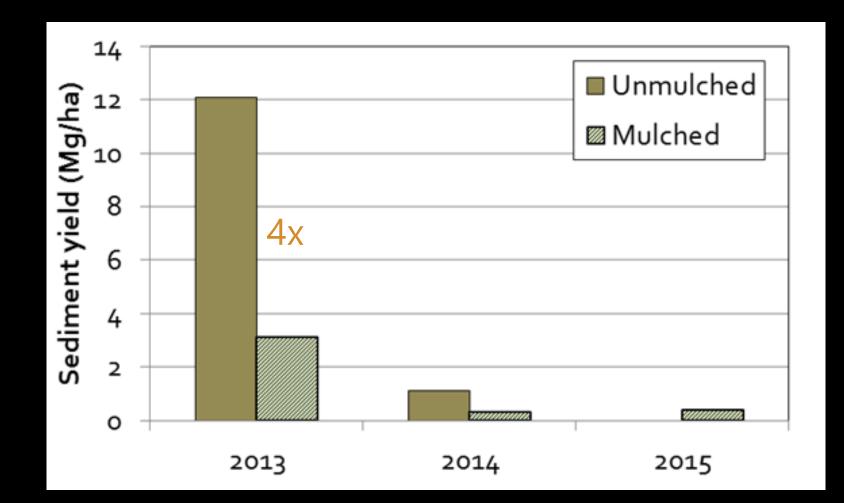
\$5.2 MILLION





2012 High Park Fire Study Sites

Mulching Works!!!!



Watershed Restoration Moving Forward 22,803 acres of high-risk watersheds on USFS
 Implement remaining EWP Projects (FY 21 & FY 22)
 Redirect some existing EWP
 Seek additional funding for

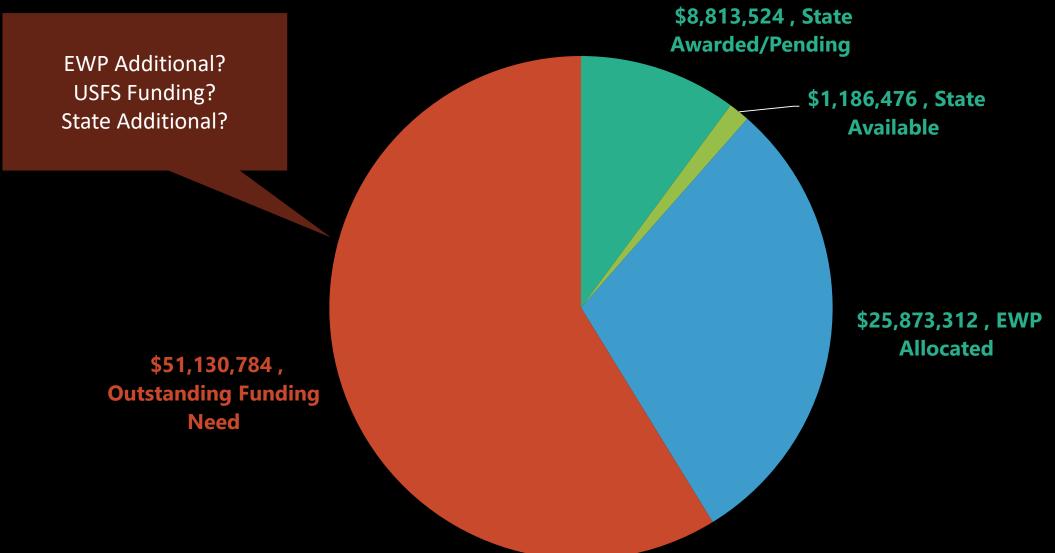
funding to USFS

mulching

(FY 21)

Seek additional funding for remaining USFS treatments (FY 22)

WILDFIRE RECOVERY FUNDING NEEDS EAST TROUBLESOME



Esther Vincent, P.E. Environmental Services Director Northern Water <u>evincent@northernwater.org</u> 970-217-3570



Questions & Comments