

Water Impacts and Recovery Efforts East Troublesome Fire

September 2, 2021

Wildfire Matters Review Committee

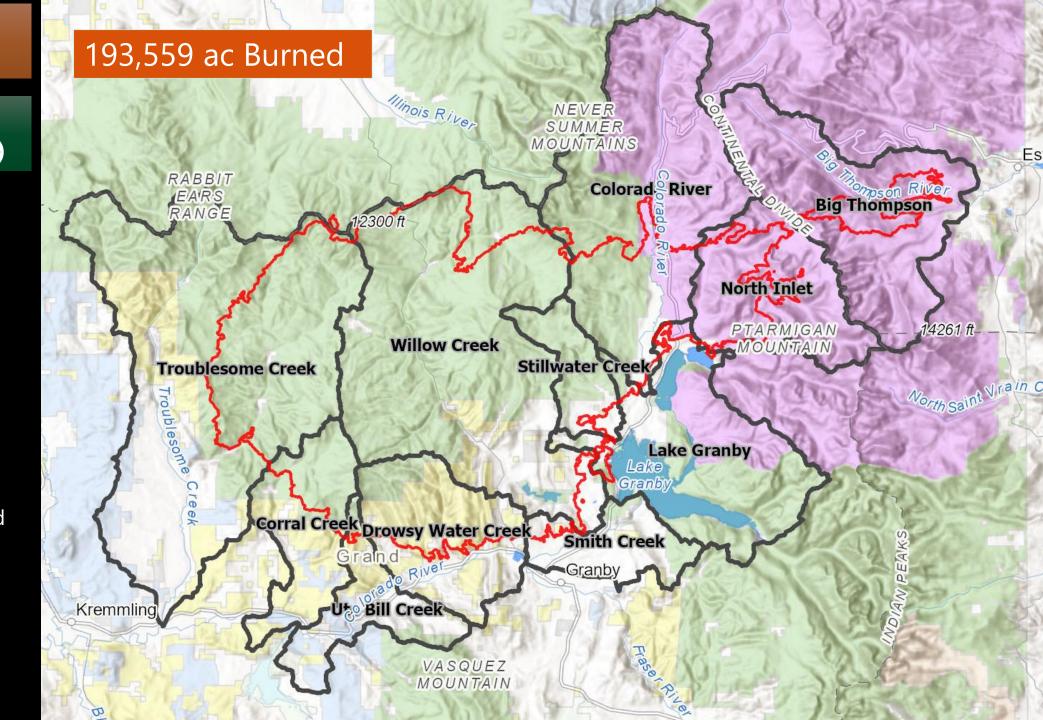
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PRIVATE LAND **19,757 ac (10%)**

FEDERAL LAND **168,908 ac (90%)**

Land Ownership

- RMNP (12%)
- USFS (68%)
- BLM (9%)
- State Land Board
- Private
- Burn Area



<u>E</u>mergency Watershed **Protection Program Sponsorship**

Partners

Northern Water

Grand County

River District



Northern Water LAKE GRANBY Knight SMITH CREEKIJOW **Private Lands** Emergency mitigation of watershed impairment that threaten life and property

2.5

Lulu City

COLORADO RIVER

STILLWATER

Esri, NASA, NGA, US

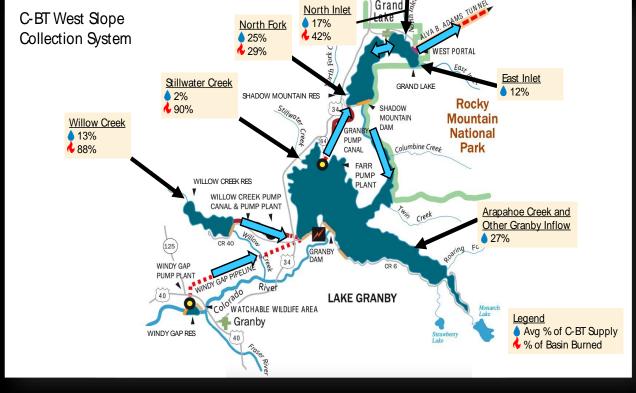
Miles

BIG THOMPSON

7.5



Post Wildfire Impacts









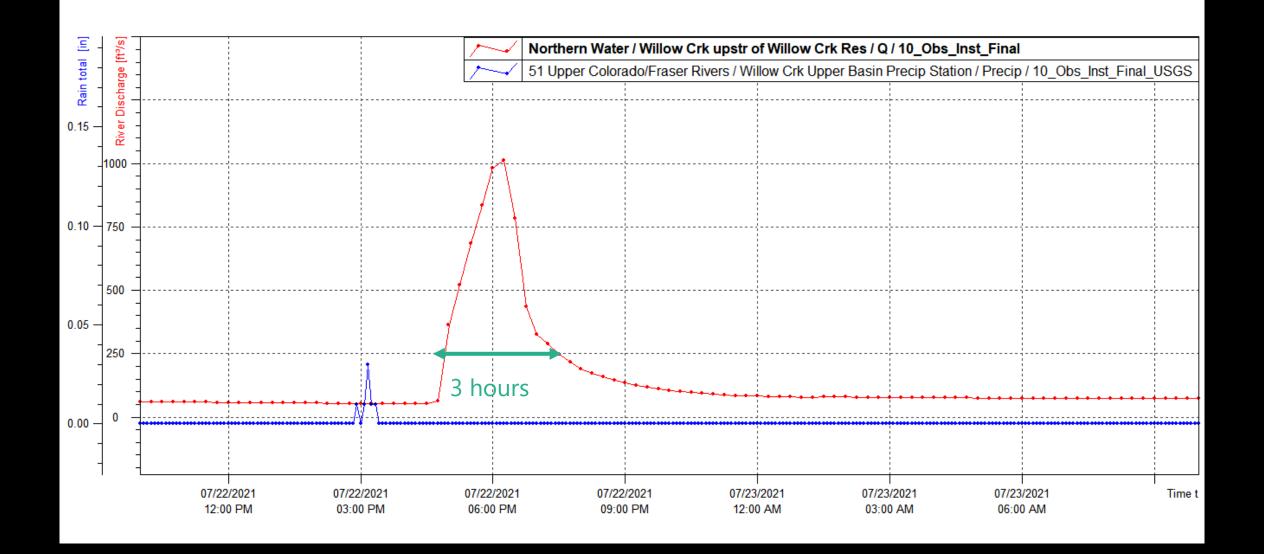




SEDIMENTATION

DEBRIS FLOWS

HARMFUL ALGAE BLOOMS WATER TREATMENT **FLASH FLOOD**





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



July 5, 2021









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



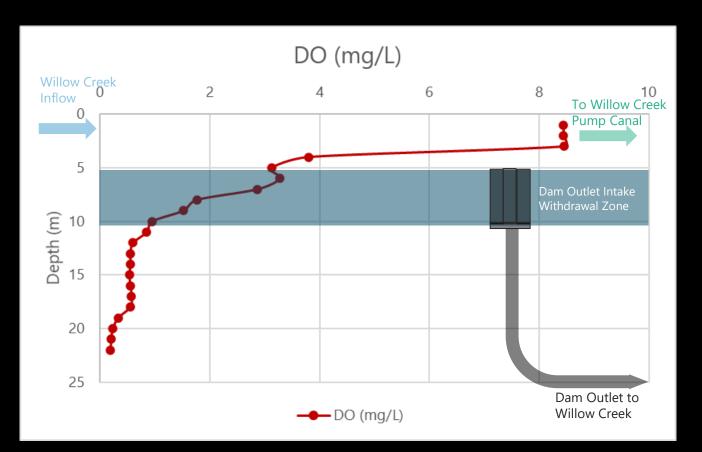


If you or your animals have nausea, vomiting, diarrhea, rash, irritated eyes, seizures or breathing problems, call Poison Control: 1-800-222-1222



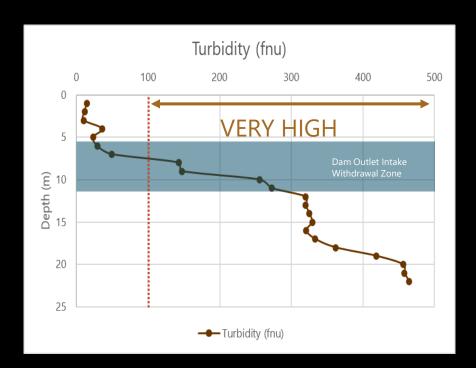


Willow Creek Reservoir - July 27, 2021





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





North Inlet Aug 3, 2021



North Inlet Samples, Aug 4, 2021





Debris Booms

Willow Creek Reservoir

Willow Creek Inlet

Completed

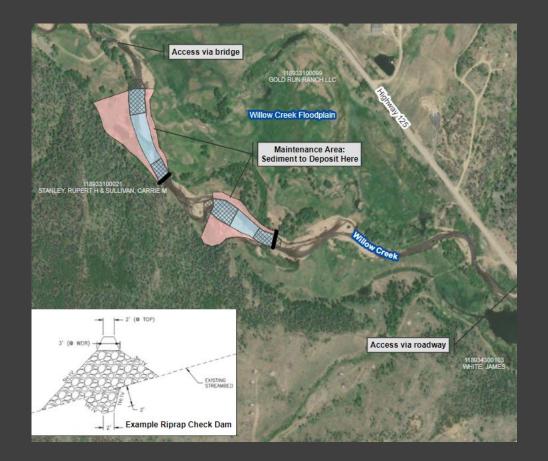






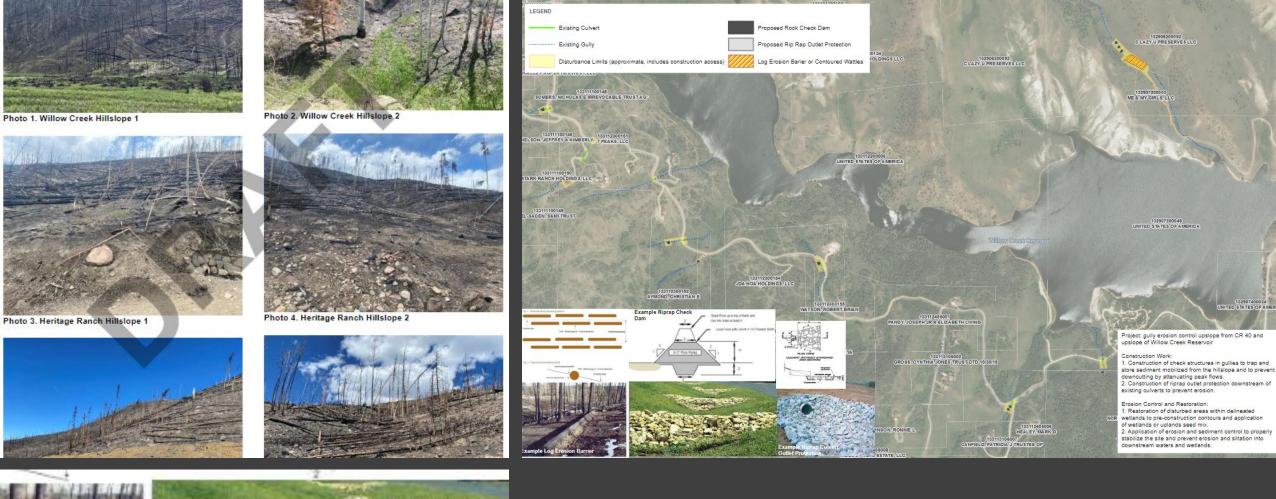


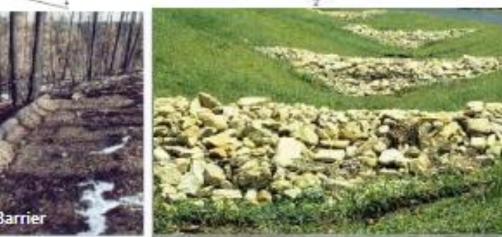
Pre-Existing Debris Removal



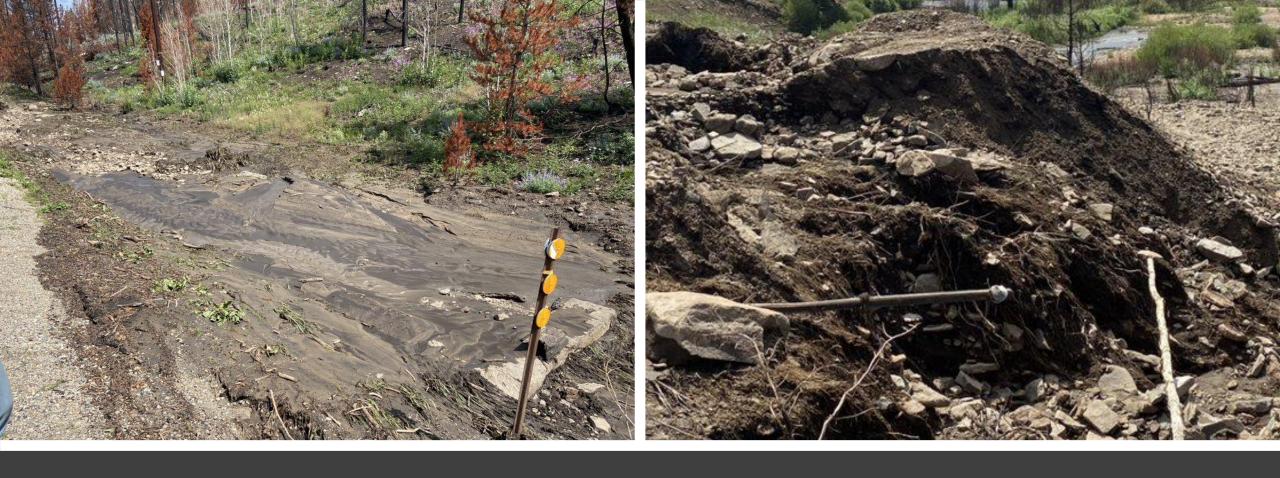


Sediment Management





Hillslope/Gully Erosion Control



New Debris Removal





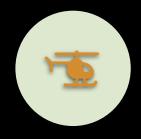


2,318 ACRES

361 SEMI LOADS

24 DAYS



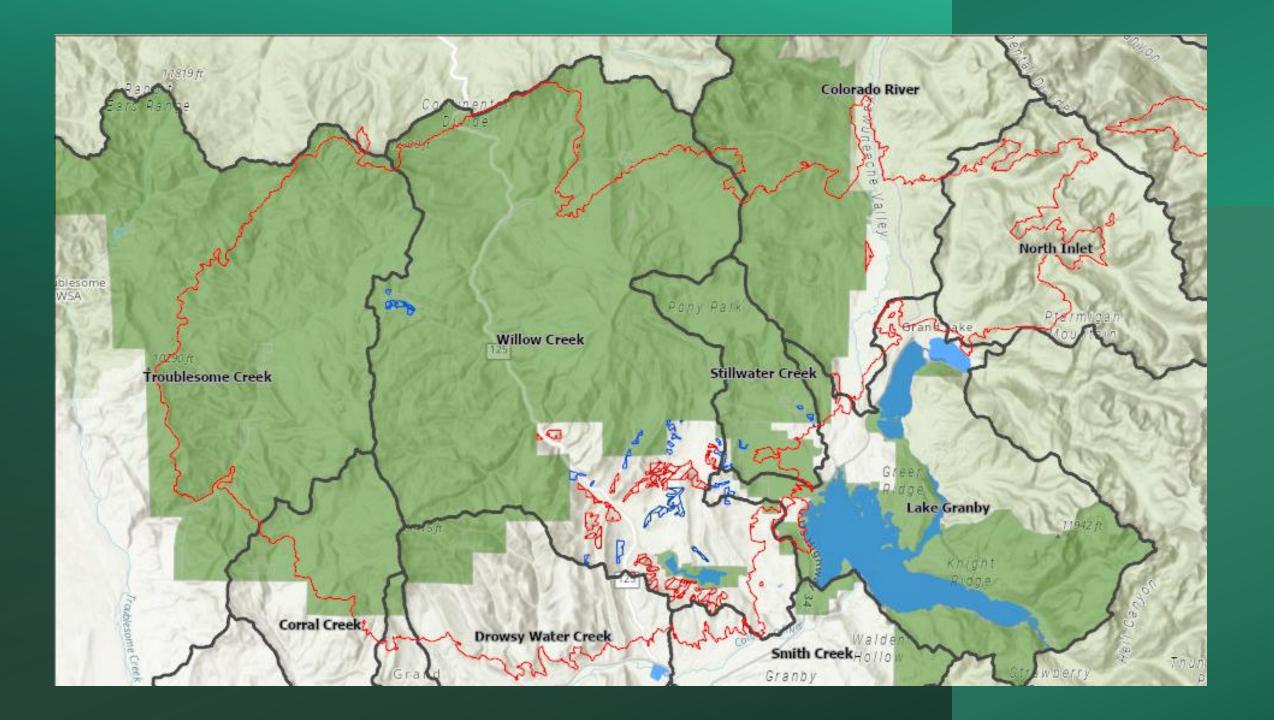


\$5.2 MILLION

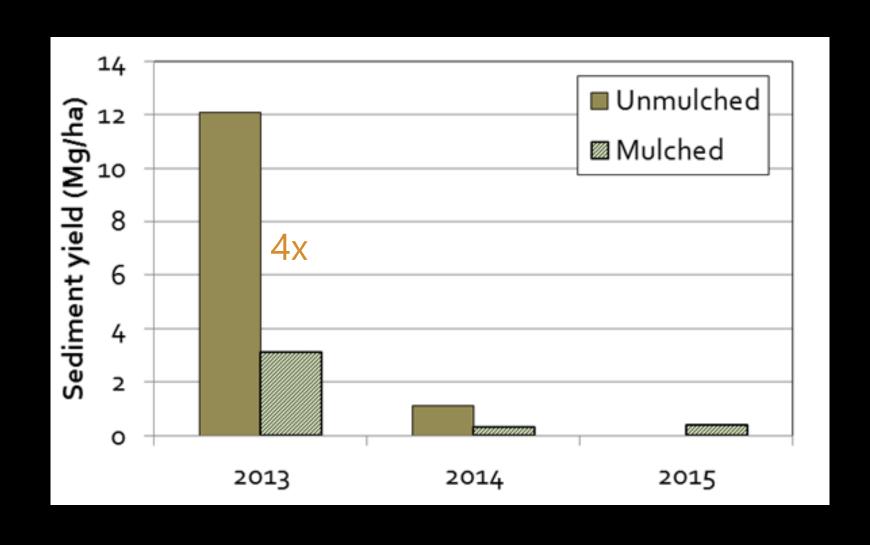
7,137 DROPS







Mulching Works!!!!

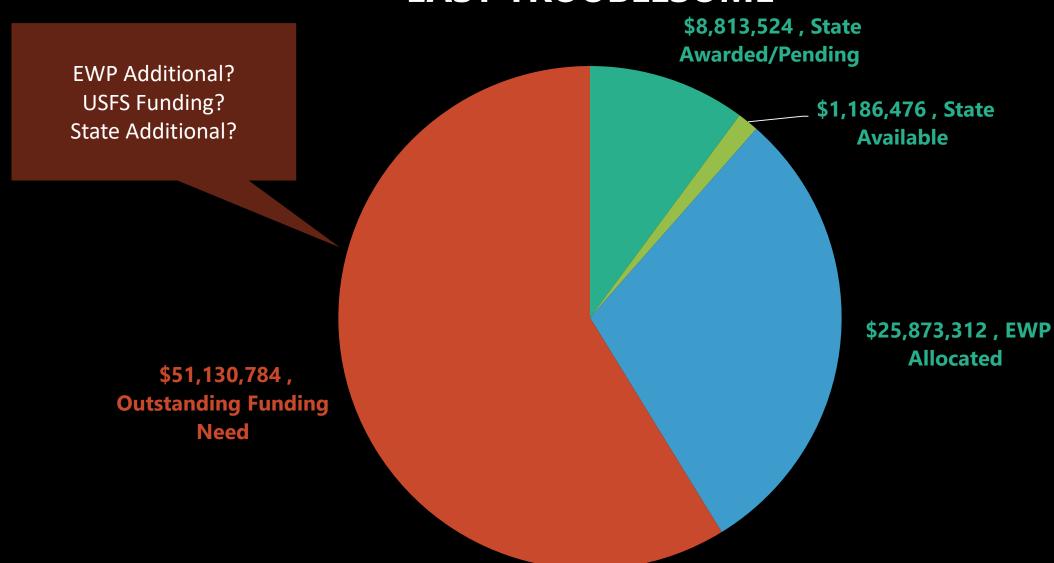


Watershed Restoration Moving Forward

22,803 acres of high-risk watersheds on USFS Implement remaining EWP Projects
(FY 21 & FY 22)

Redirect some existing EWP 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
evincent@northernwater.org
970-217-3570

Questions & Comments