

Between September 4 and September 7, 2020, the fire grew over 78,000 acres









October 13th, 2020

October 19th, 2020 (200,000 acres)

100% contained on December 2nd, after burning 208,913 acres. The fire was declared controlled on January 12th, 2021.

Impact

- 25-mile-long perimeter
- 1,050 stream miles
- 124 trail miles
- 41,700 acres of Wilderness burned
- 32 miles of Wild and Scenic corridor burned
- Three watersheds Poudre, Big Thompson & Laramie
- Five reservoirs
- 16 mountain communities
- 492 structures destroyed

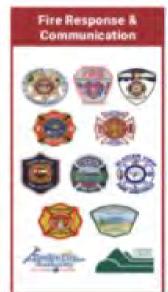
Long-term impacts

- Altered watershed processes
- Excess sediment & nutrients
- Debris flows, flash floods, washed out roads, water quality issues



: Cache la Poudre River runs black after a rain event over the Cameron Peak burn scar - July 1, 2021 - Lower Narro Campground (Photo: Coalition for the Poudre River Watershed)

Wildfire Response Phases & Stakeholders Involved

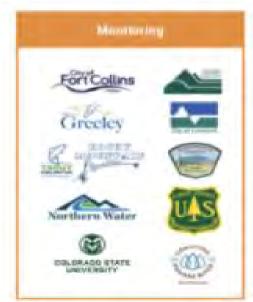


















Source: United Way of Larimer County

Public Information / Community Outreach PIOs from all Cooperating Agencies

Financial / Grants Management
Financial Coordination, Fund-Raising, Grants
Coordination

Collaborative Assessment and Recovery Team (CART)
City/County, USFS, CSFS, NRCS, USGS, CPRW, CWCB,
DHSEM

Executive Committee
(Consists of Elected and Key Officials who
must make policy decisions)

Water Recovery
Work Group
Facilitator:
Jen Kovecses, CPRW

Science and Monitoring

Modeling & Analysis

Infrastructure, Damages Assessment and Repair

Hillslpoe, Channel & Forest Rehab / Restoration Implementation

Watershed Grants and Fundraising

Infrastructure Work
Group
Facilitator:
Chris Dahl, USFS and
Kohl Parrott, LCOEM

Utilities Assessments, Repair and Restoration

Communications Assessments, Repair and Restoration

Road and Bridge Infrastructure Assessments, Repair and Restoration (City / County / State)

Community Lifelines and Critical Infrastructure

Infrastructure Grants and Fundraising

Public & Environmental
Health / Debris
Management
Facilitator:
LCDHE and Solid Waste

Debris Modeling, Mitigation and Management

Environmental Health Considerations

Public Health (COVID)
Considerations

Planning and Building Facilitator: Eric Fried and Lesli Ellis Larimer Building and Planning Departments

Private property permitting

Building Permits and Needs

Land Use Planning and Community Individual Needs
Work Group
Facilitator: LTRG

Housing Support Services

Donations Management

Volunteer Management

Construction Management

Emotional / Spiritual Care

Private Lands Unmet Needs Community Support
Services Work Group
(Facilitator: Laura
Walker, Larimer HEH
Director)

Aging and Adult Services

Housing Stability and Homelessness

Early Learning and Childcare Services

Food and Essential Needs

Behavioral and Physical Health Services Mitigation and Resilience Work Group Facilitator: Shayle Sabo, LCOEM

> Mitigation Project Implementation

Recovery Plan and Unmet Needs Study

Community Planning and Capacity Building

Resilience Framework Update and Implementation

Mitigation Project Funding Economic Health
Facilitator:
Jacob Castillo. LC
Economic
Development

Agriculture and Farming

Hospitality, Visitor Experience, and Outdoor Recreation

> Workforce and Employment

Small Business Support

Economic Development

Re-Ignite the Economy Plan Data and Information
Management Work
Group
Facilitator: ??

Data and Modeling

GIS

Models

Assessments (Fire, BAER)

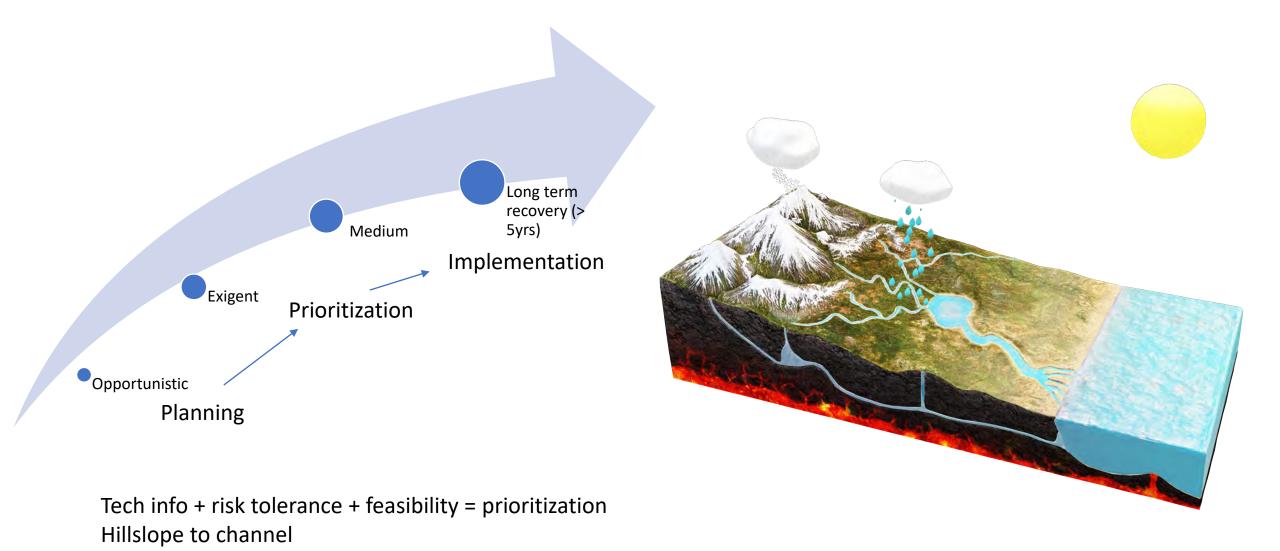
Organization and sharing of information

Tracking data modeling

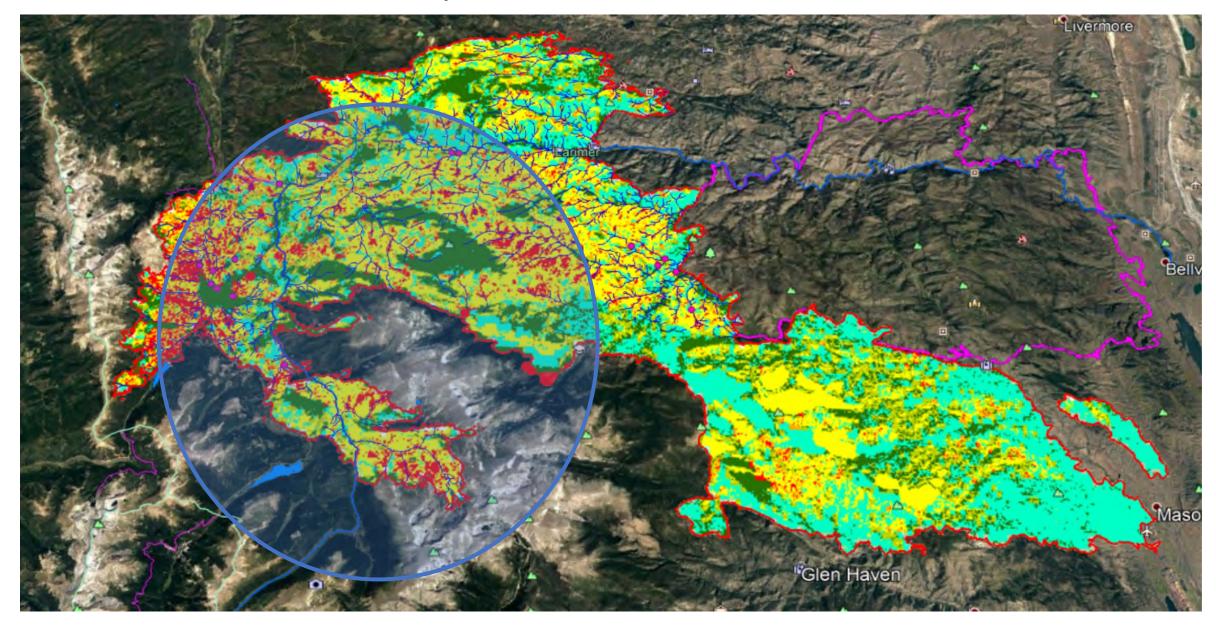
Facilitating data sharing requests

CPF Recovery Team Structure

CPF Recovery Process

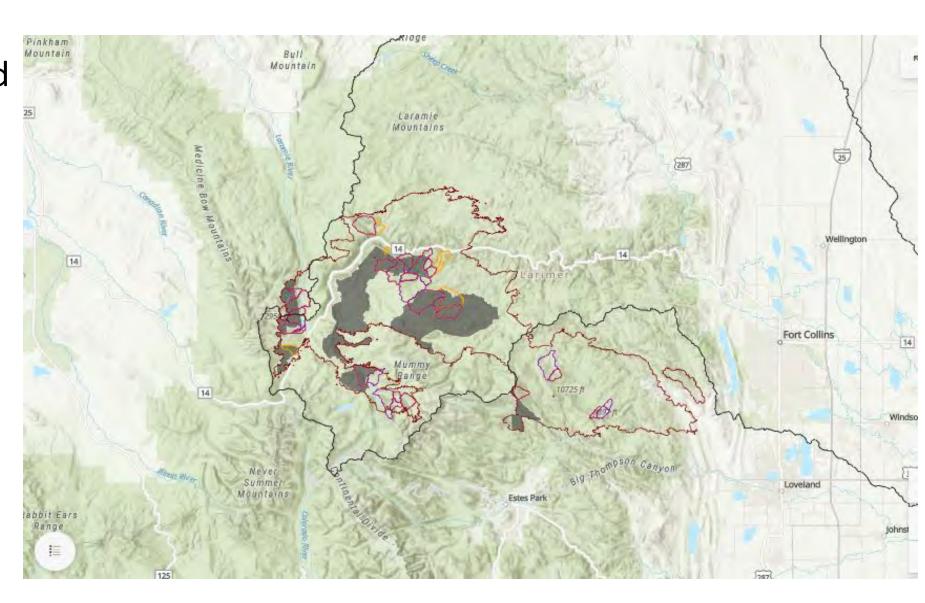


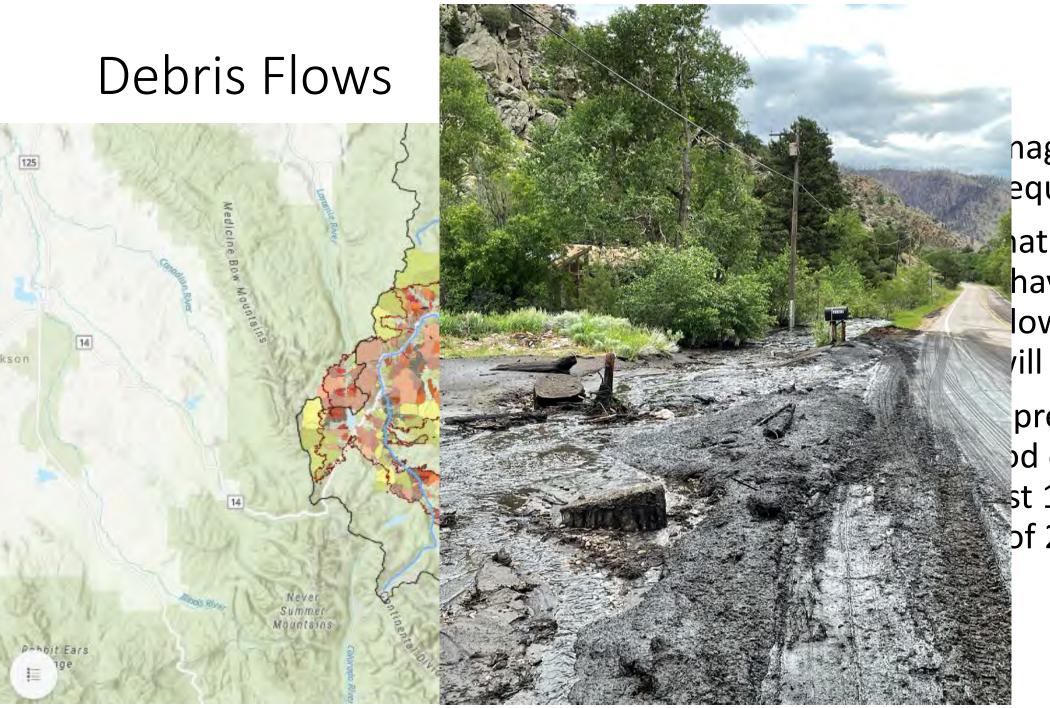
Soil Burn Severity



Post-Fire Sediment Yield

- Modeling prioritized by extent of treatment (reward) vs. untreated (risk)
- High reward and High risk have greatest potential for post-fire increases in sediment





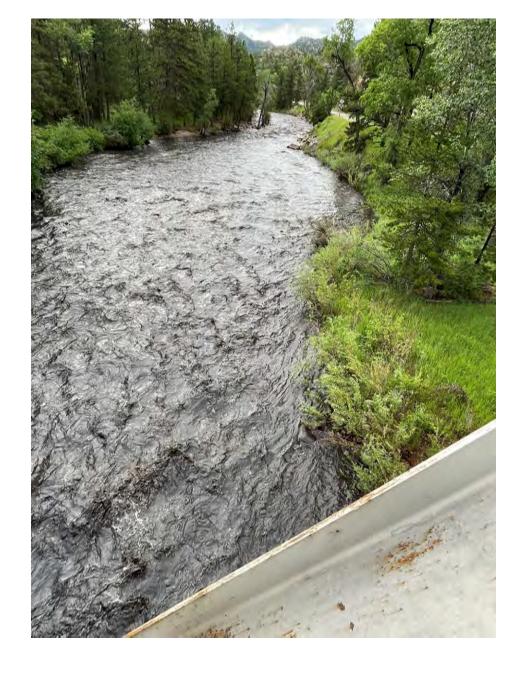
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Black Hollow Flood July 21, 2021

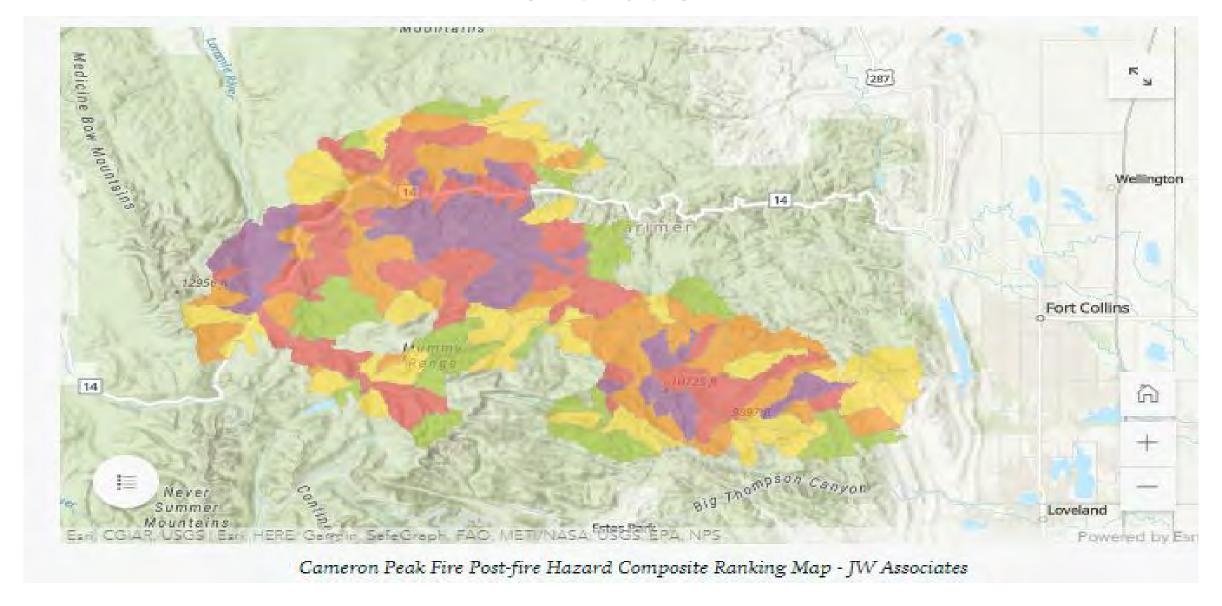




On July 21, 2021, City of Fort Collins Utilities staff collect water samples from the Poudre River in the wake of the Black Hollow flood. (Photo: City of Fort Collins Utilities)



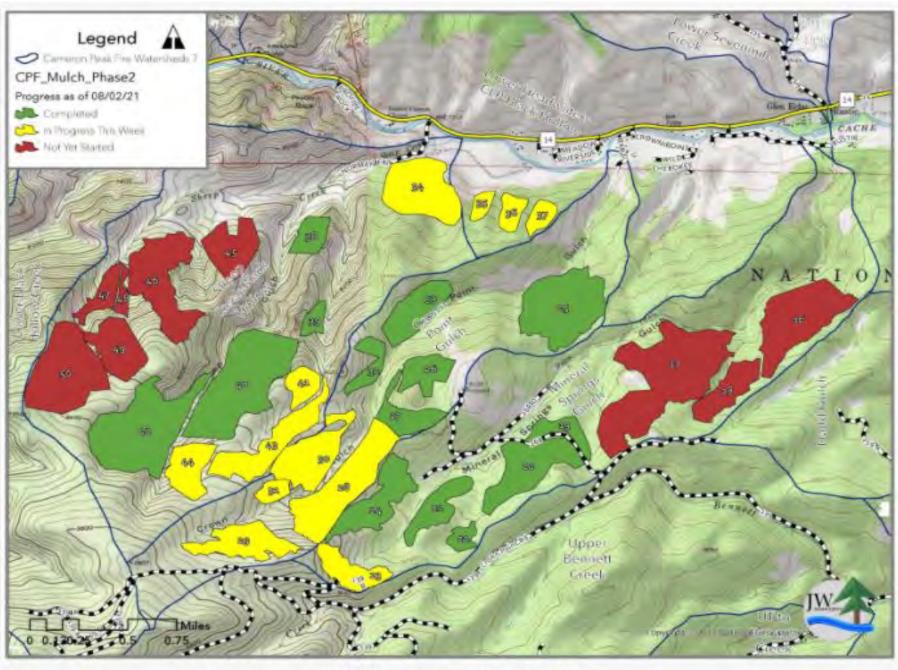
Watershed Hazards, Treatments and Targeting Prioritization



Aerial Mulching







- Mitigate the negative consequences to watershed values
- >10,000 high priority acres identified in the Poudre watershed; 1,500 acres in the Big Thompson

Erosion Control



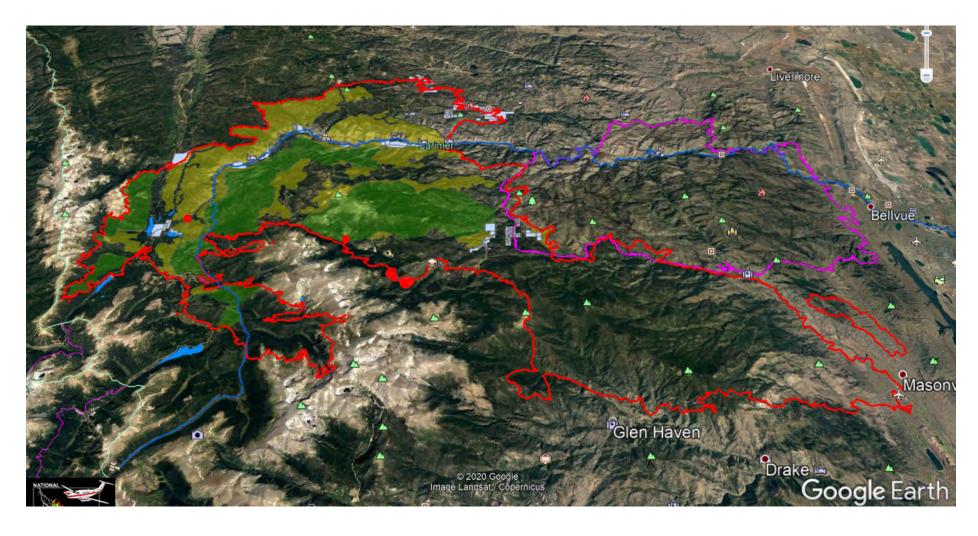
- LCCC, WRV, BTWC and CPRW
- Wattles, seeding, mulching, check dams etc.

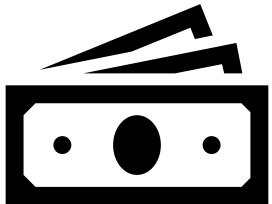
Debris Removal and Structure Protection

- Greeley & LaCo coordinating life & property protection work
 - Check dams, diversion berms, sandbags, wattles, armored crossings, willows etc.
- LaCo also coordinating debris removal



Recovery Challenges Ahead





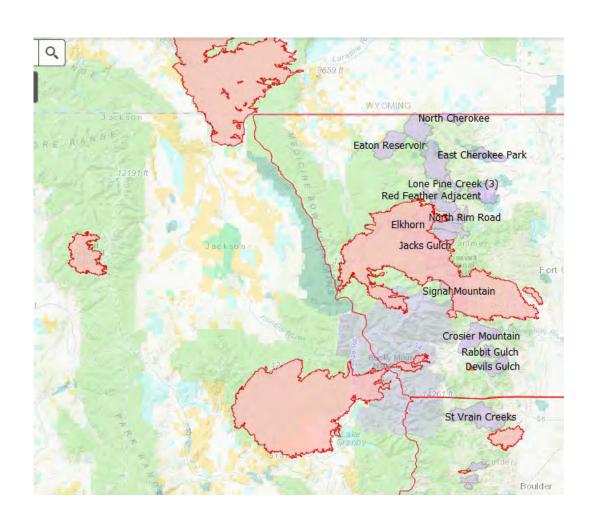




Cycle of Recovery and Watershed Health







Funding Sources

- Emergency Watershed Protection (EWP) Program
- Colorado Water Conservation Board
- City of Fort Collins
- City of Greeley
- Community Foundation NoCo Fires Fund