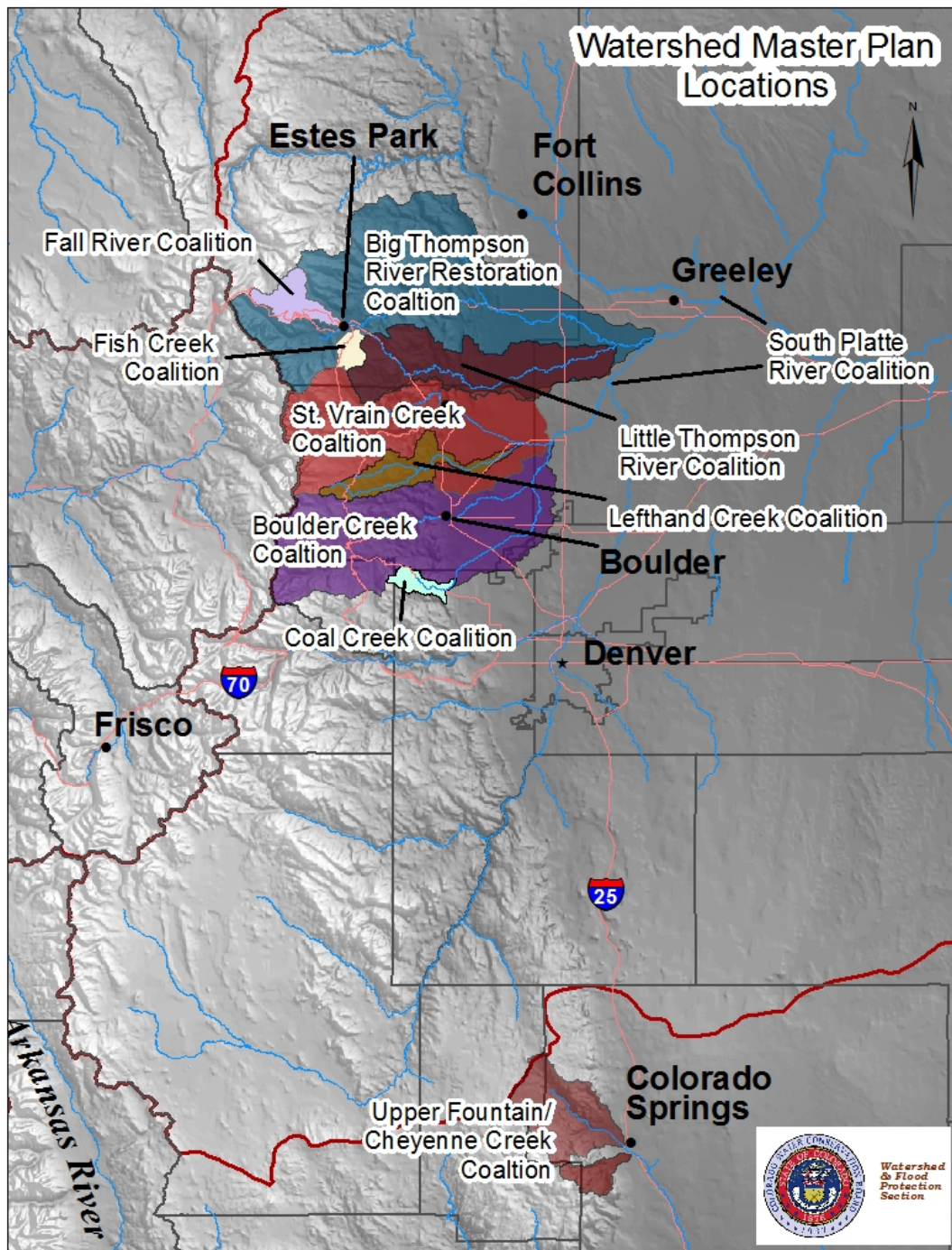


CWCB Flood Recovery Team

- Technical Support for exigent stabilization projects
- Local Stream Coalition Development and Coordination
- Watershed and Stream Master Plan RFP Development
- Master Plan Scope of Work Review
- Develop Strategy for Multi-Objective Diversion
Design/Construction





WATERSHED

COALITION LEAD

Fall River

Estes Park

Fish Creek

Big Thompson

Wildlands
Restoration
Volunteers

Little Thompson

Big Thompson
Water
Conservancy
District

St. Vrain
Boulder
Lefthand

Boulder County

Coal Creek

The Env. Group

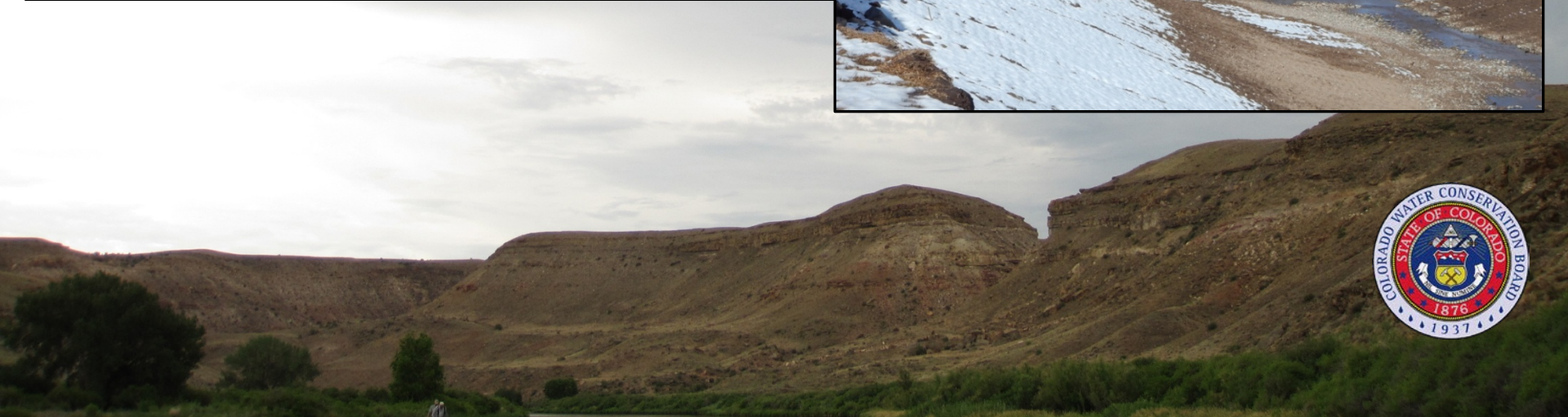
South Platte

City of Evans

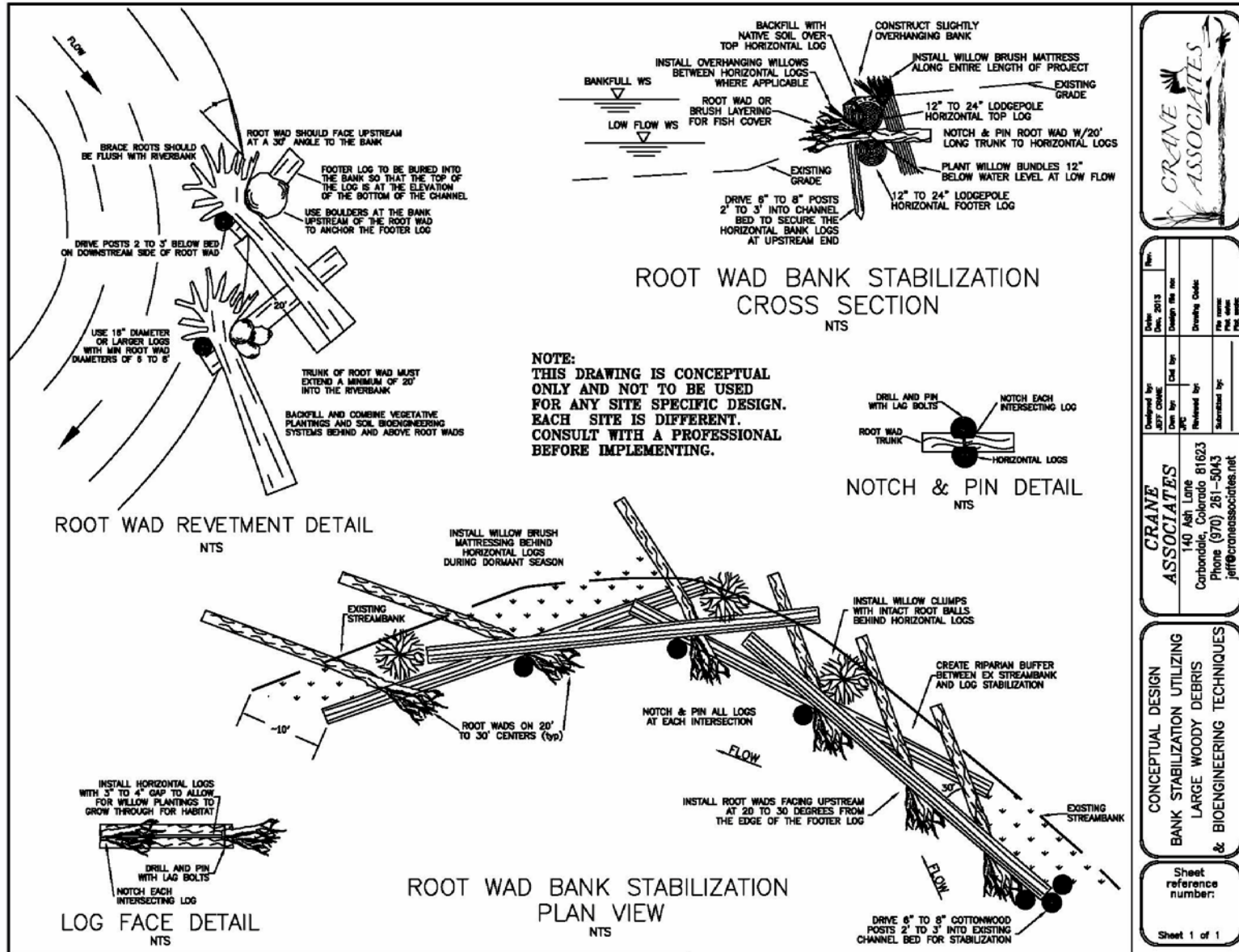
Upper Fountain
Cheyenne Creek

Fountain Creek
Watershed Flood
Control & Greenway
District

Exigent Implementation



Exigent Implementation



Client:	City of Aspen
Project:	Aspen River
Location:	Aspen, CO
Scale:	1" = 10'
Drawn by:	JAC
Checked by:	JAC
Approved by:	JAC
Date:	10/1/13
Sheet:	1 of 1

CRANE ASSOCIATES
140 Ash Lane
Carbondale, Colorado 81623
Phone (970) 261-5043
jeff@craneassociates.net

CONCEPTUAL DESIGN BANK STABILIZATION UTILIZING LARGE WOODY DEBRIS & BIOENGINEERING TECHNIQUES
Sheet reference number: Sheet 1 of 1



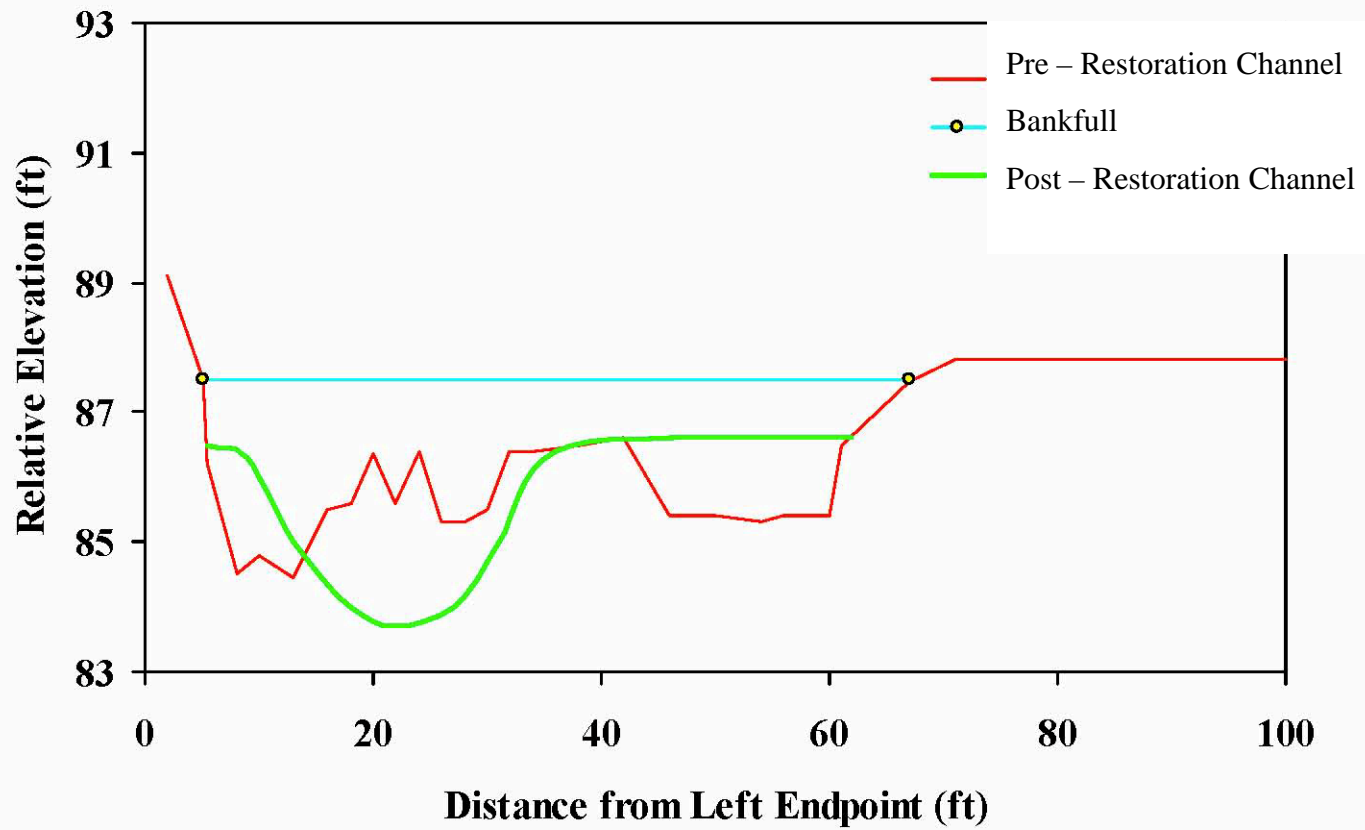


**Before: Over wide, braided into
3 channels**

**AFTER: Single channel with rock
bank protection and habitat rock**



Channel Cross Section





Before and After Comparison

Trail Creek at West Creek Road
Crossing, Upper South Platte
Watershed

Upper Picture – September 2009

Lower Picture – October 2012





Before and After Comparison

Trail Creek at West Creek Road
Crossing, Upper South Platte
Watershed

Upstream of Box Culvert





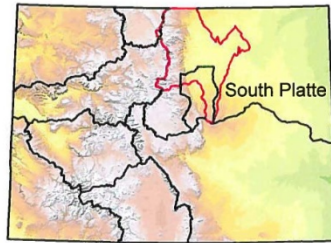
Before and After Comparison

Trail Creek at West Creek Road
Crossing, Upper South Platte
Watershed

Downstream of Box Culvert



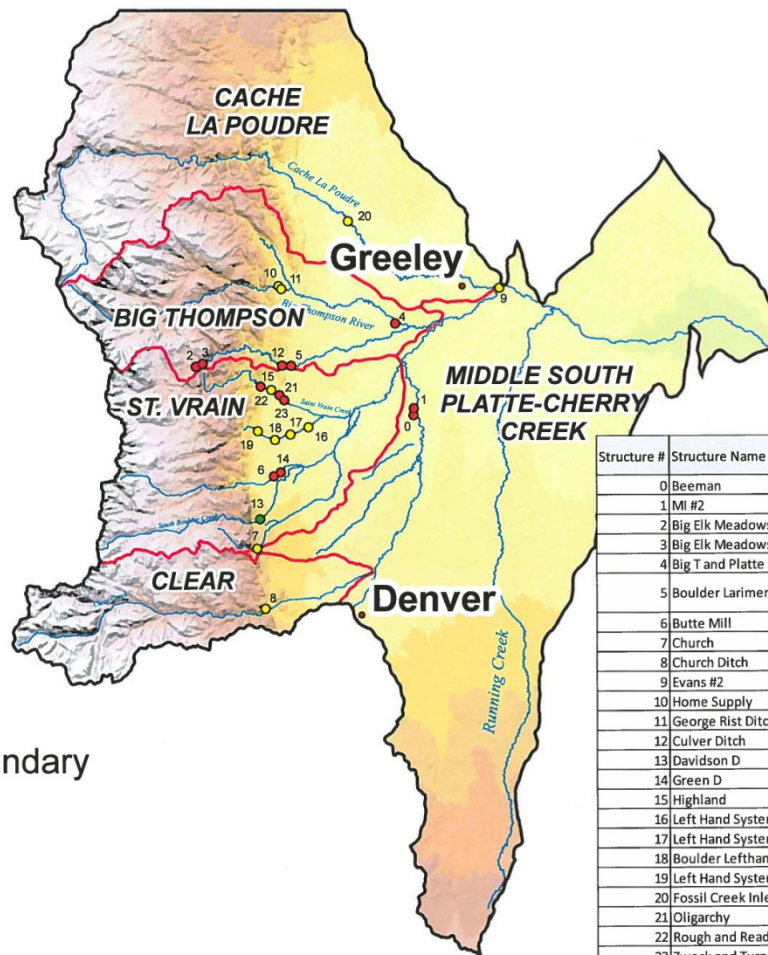
Flood Damaged Structures Receiving Funding From CWCB Emergency Loans



0 4
Miles

- Can't access
- Damaged
- Destroyed
- Operational

Huc-8 Sub-basin Boundary



Structure #	Structure Name	Borrower	Emergency Loan Amount
0	Beeman	Beeman Irrigating Ditch and Milling Company	\$2,000,000.00
1	Mt #2		
2	Big Elk Meadows Upper Flume	Big Elk Meadows Association	\$1,515,000.00
3	Big Elk Meadows Lower Flume		
4	Big T and Platte River Ditch	Big Thompson and Platte River Ditch Company	\$808,000.00
5	Boulder Larimer Ditch	Ish Reservoir Company	\$207,050.00
		Boulder & Larimer County I&M Ditch Co.	\$202,000.00
6	Butte Mill	Butte Irrigating and Milling Company	\$275,000.00
7	Church		
8	Church Ditch	Church Ditch Water Authority	\$606,000.00
9	Evans #2	City of Evans	\$722,150.00
10	Home Supply		\$1,616,000.00
11	George Rist Ditch	Consolidated Home Supply Ditch and Reservoir Company	\$448,440.00
12	Culver Ditch	Culver Lateral Ditch Company	\$151,500.00
13	Davidson D	Davidson Ditch & Reservoir Company	\$37,370.00
14	Green D	Green Ditch Company	\$525,000.00
15	Highland	Highland Ditch Company	\$1,999,800.00
16	Left Hand System		
17	Left Hand System	Left Hand Ditch Company	\$3,276,056.00
18	Boulder Lefthand D		
19	Left Hand System	Haldi Ditch Company	\$50,500.00
20	Fossil Creek Inlet Ditch	North Poudre Irrigation Company	\$481,770.00
21	Oligarchy	Oligarchy Irrigation Company	\$1,262,500.00
22	Rough and Ready	Rough and Ready Irrigating Ditch Company	\$1,843,250.00
23	Zweck and Turner	Zweck and Turner Ditch Company	\$252,500.00



A map of the South Platte River watershed area in Colorado. The river is shown in red, flowing from the north towards the south. The surrounding land is colored in shades of yellow and orange, indicating different land use or elevation. The text 'South Platte' is visible on the right side of the map.



0 12 Miles

- Can't access
- Damaged
- Destroyed
- Operational

 HUC-8 Sub-basin Boundary[illegible]



Support The Colorado Healthy Rivers Fund

✓ ON YOUR STATE INCOME TAX RETURN
WWW.COLORADOWATER.ORG



Support The Colorado Healthy Rivers Fund On Your Next State Income Tax Return!

Your donation helps support:

- ✓ Cleaner Water
- ✓ Healthier Wildlife & Restored Habitat
- ✓ Improved Recreation & Accessibility

Photo courtesy of John Felder

To learn more visit
www.coloradowater.org