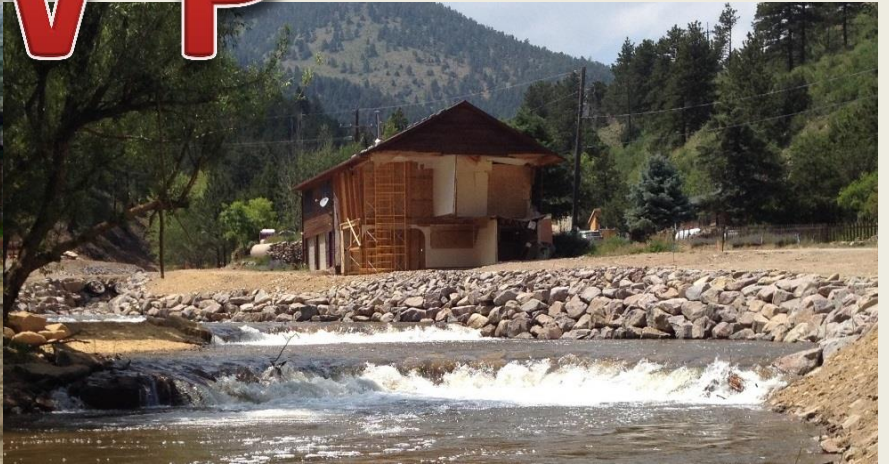


Emergency Watershed Protection Program

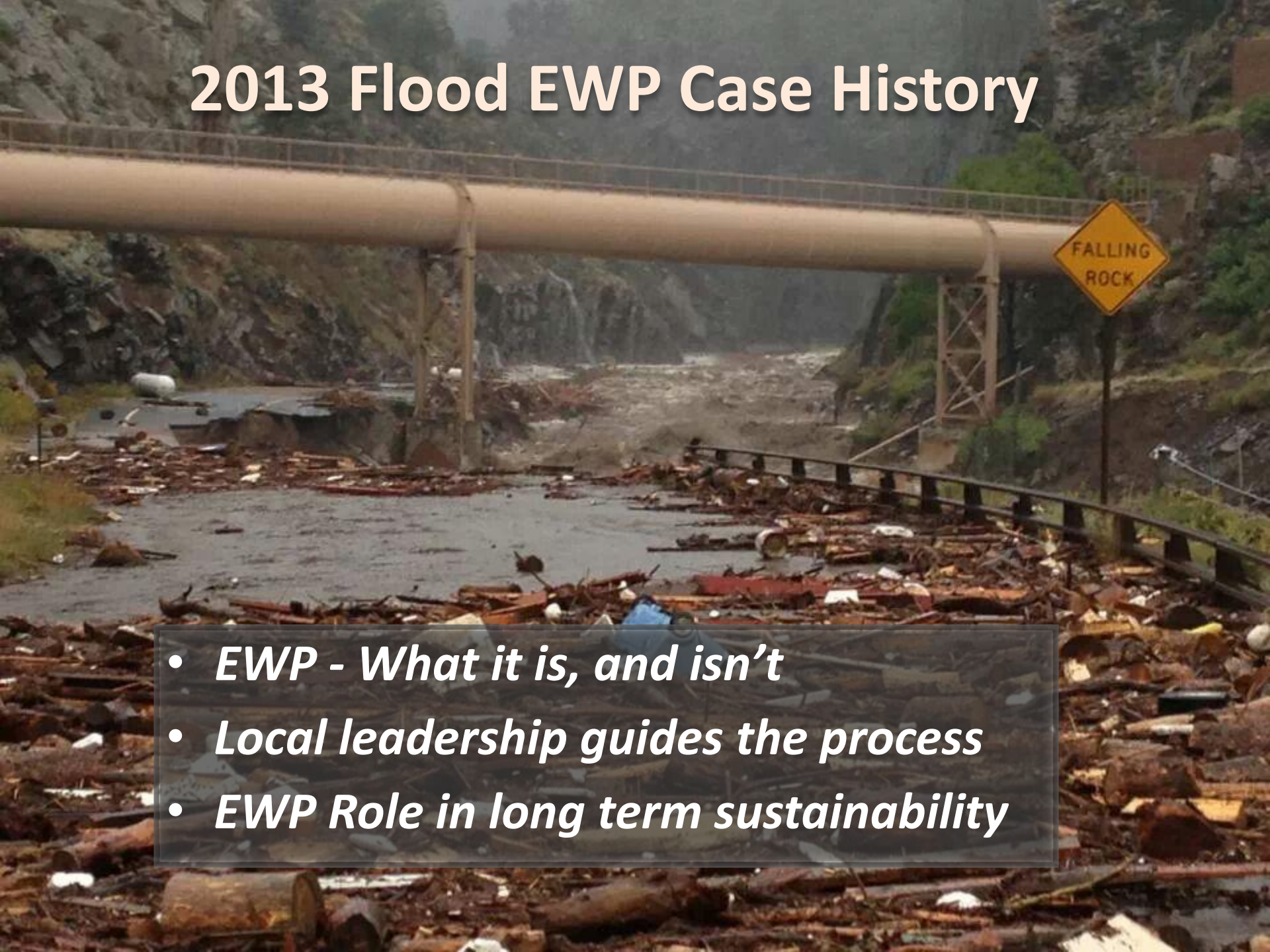


E W P



Colorado

2013 Flood EWP Case History

- 
- *EWP - What it is, and isn't*
 - *Local leadership guides the process*
 - *EWP Role in long term sustainability*

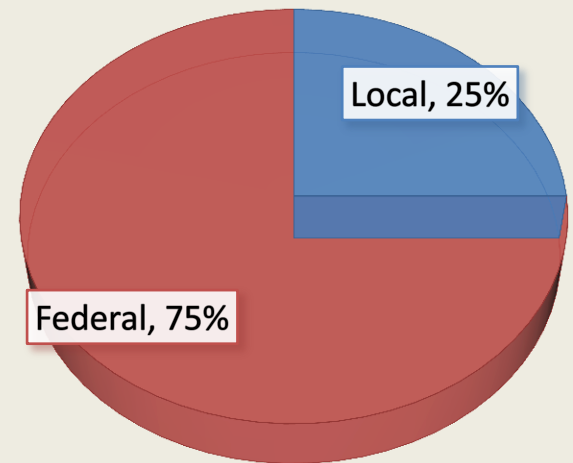
What can EWP do?

(7 CFR 624)

*“NRCS” is authorized to undertake **emergency measures** ... to safeguard lives and property from floods, drought, and the products of erosion”*

EWP Provides

- 75% of Construction Cost
- Technical Assistance
 - Planning
 - Design
 - Construction QA



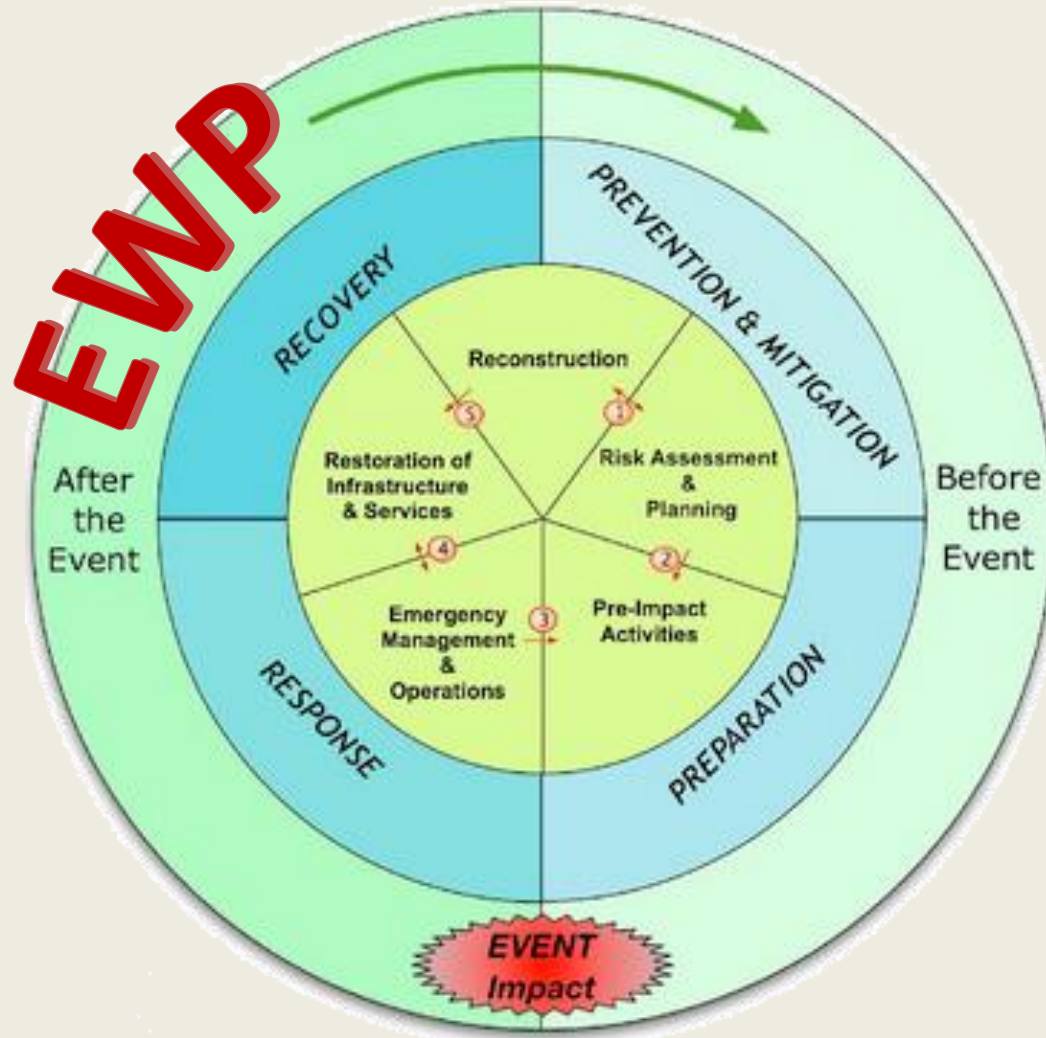
Recent EWP Funding in Colorado

Event	EWP \$
2012 High Park Fire	\$8,240,000
2012 Waldo Canyon Fire	\$11,778,000
2013 Flood – Phase I	\$10,979,000
2013 Flood – Phase II	\$56,902,000
Totals	\$87,899,000

Emergency Management Cycle



EWP is a recovery phase program



NRCS & Sponsor Survey Damage

EWP Site Eligibility Criteria

- 1. A New Threat to Life or Property**
- 2. A Sponsor who will obtain:**
 - Landowner permission, Permits, & 25% of cost
- 3. Technically Sound Solution**
 - For erosion, runoff or flooding concerns
- 4. Defensible Solution**
 - Economically, Environmentally & Socially

Phase 1 Projects - Debris Removal



Phase 1 Projects - Bank Protection



before



after

Why was EWP done in Phases?



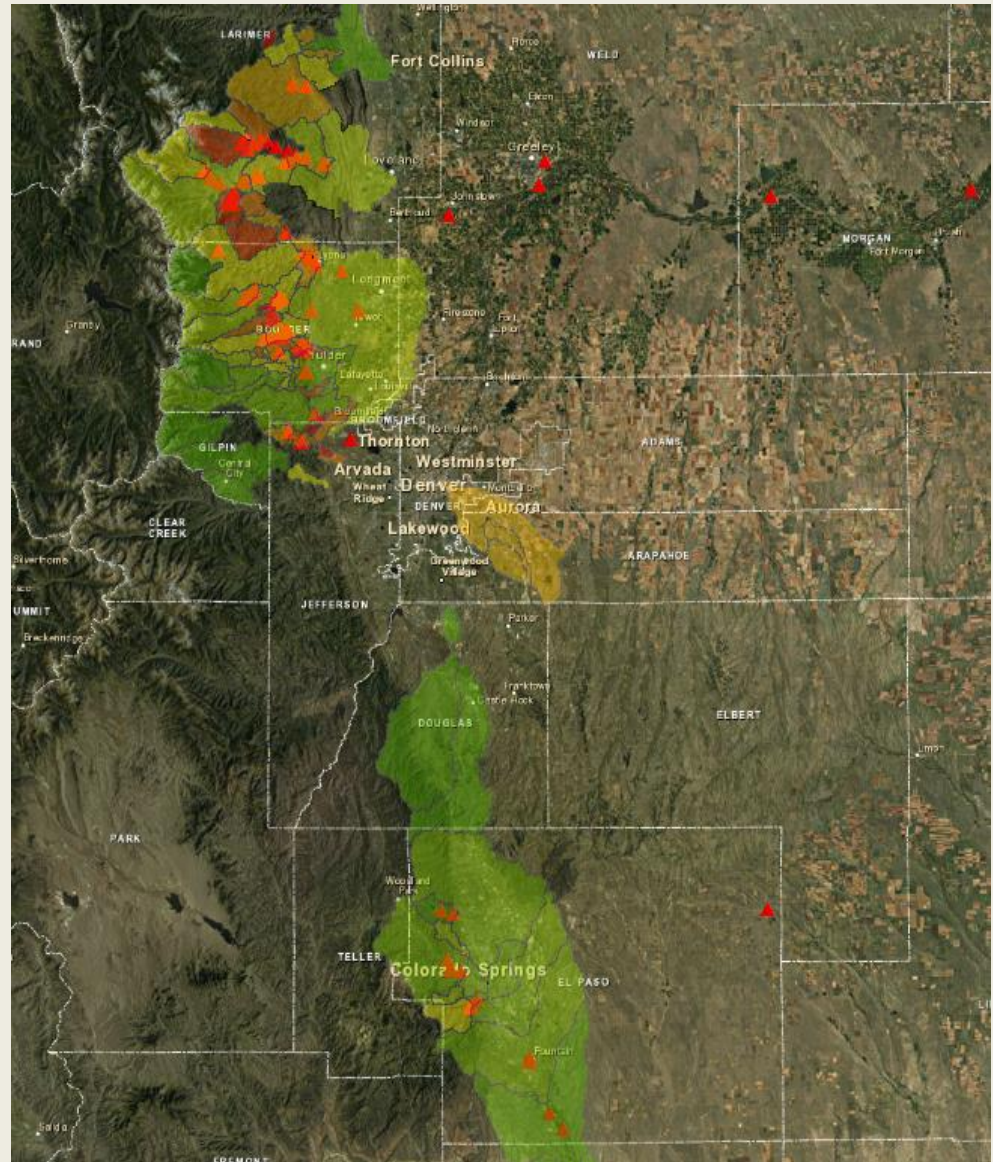
- EWP Funds Limited in 2013
- Funding for “Exigent Projects” Only
- Exigent sites were Phase I
- Wait List Projects are Phase II

2013 Flood EWP Damage Survey

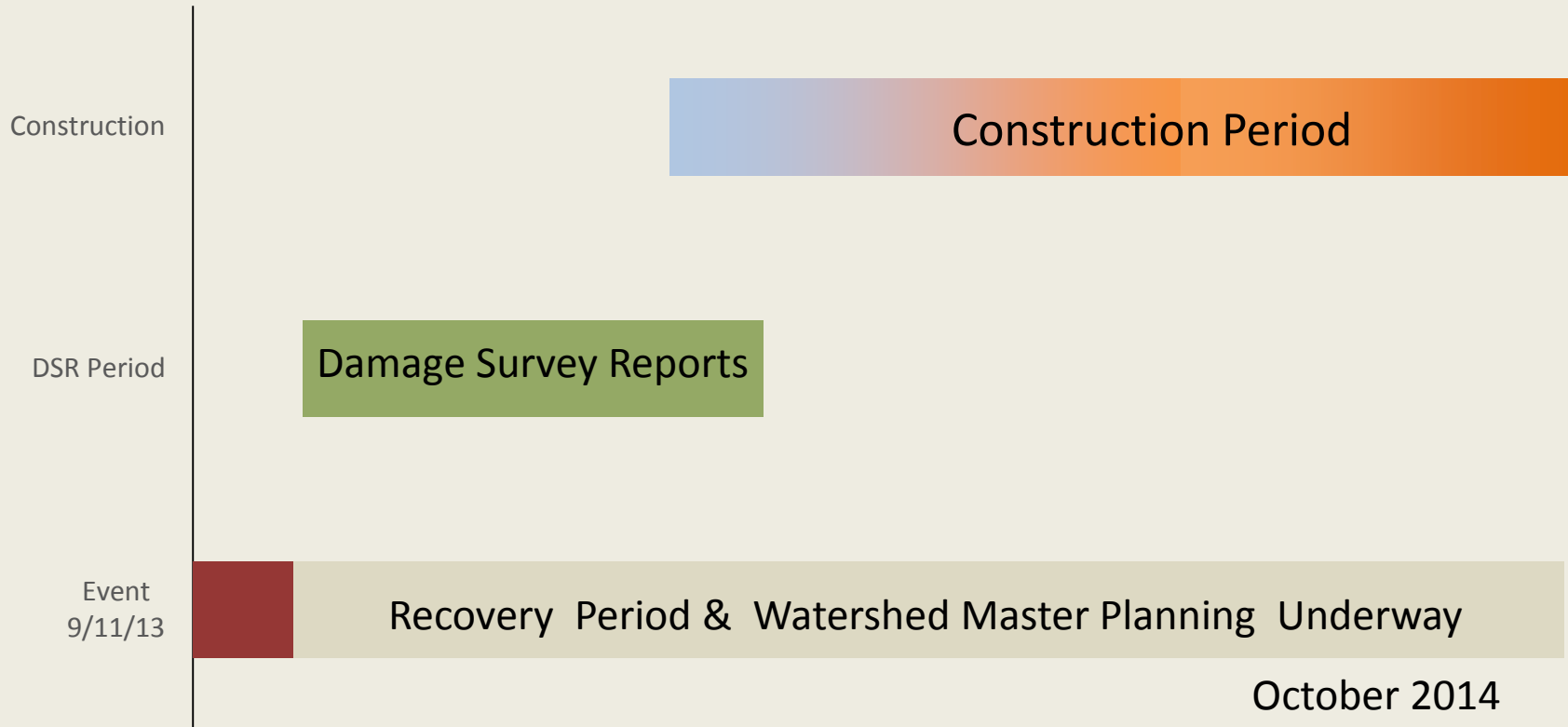
- *500 sites were evaluated*
- *178 exigent sites identified*

Values at Risk

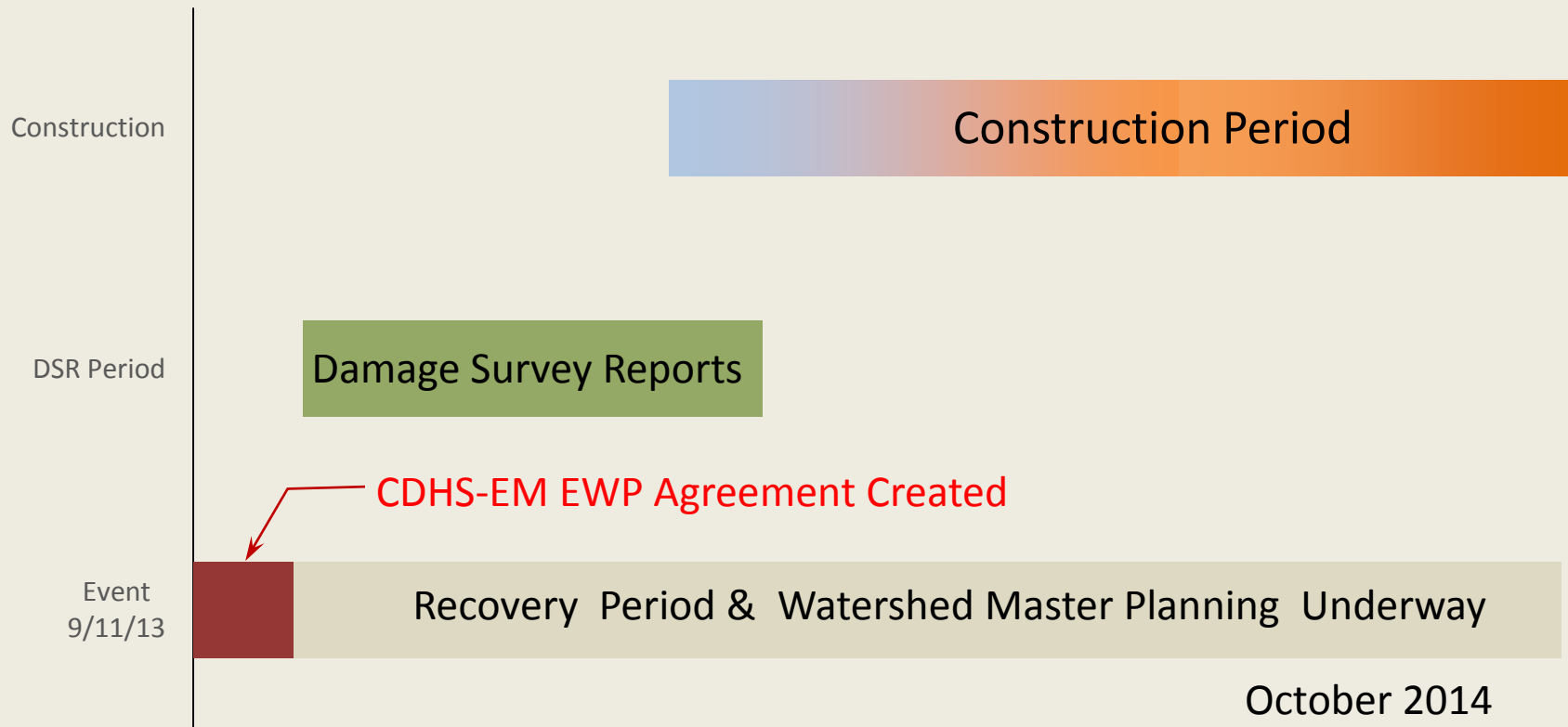
- **Life and Safety**
- Residential Properties
- Commercial Properties
- Transportation
- Utilities



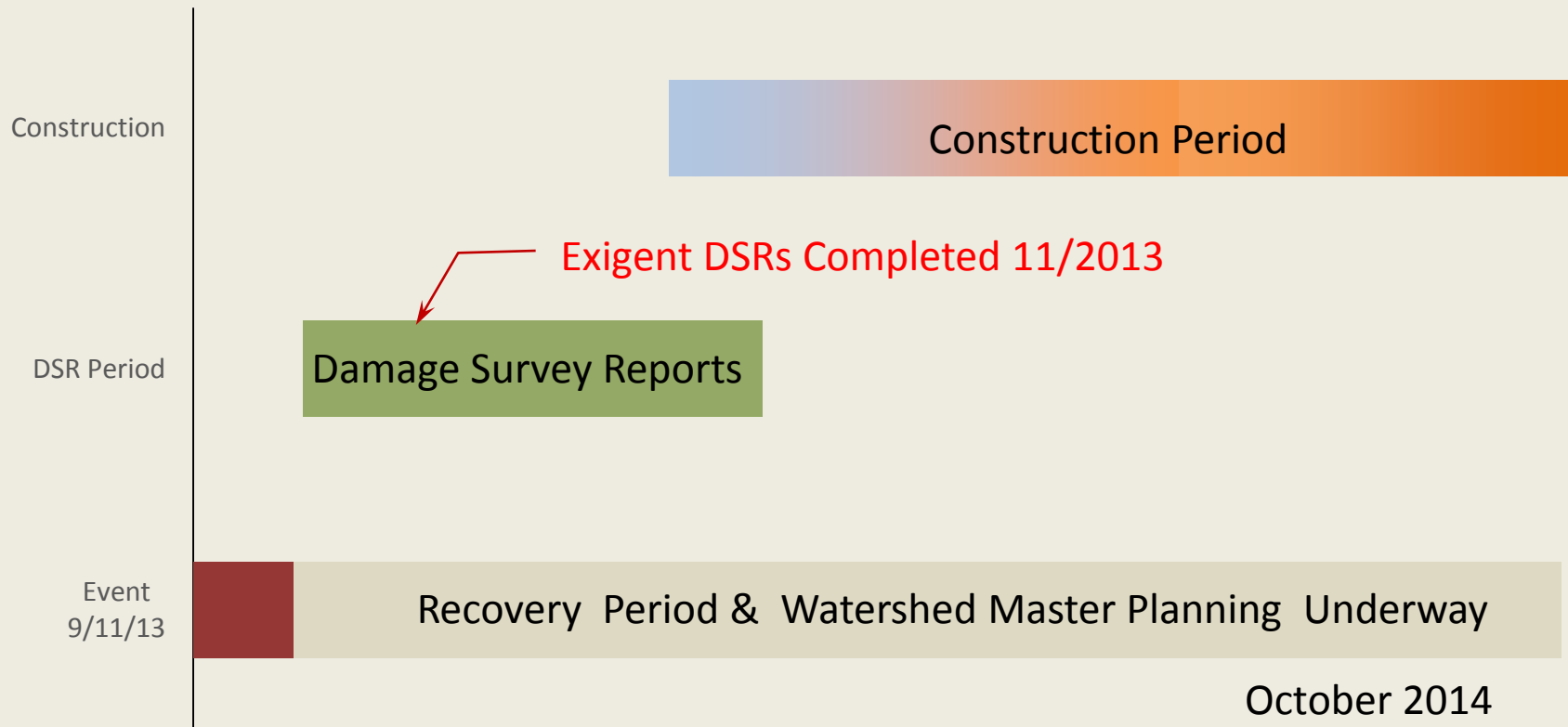
Colorado Flood EWP Phase 1 Time Line



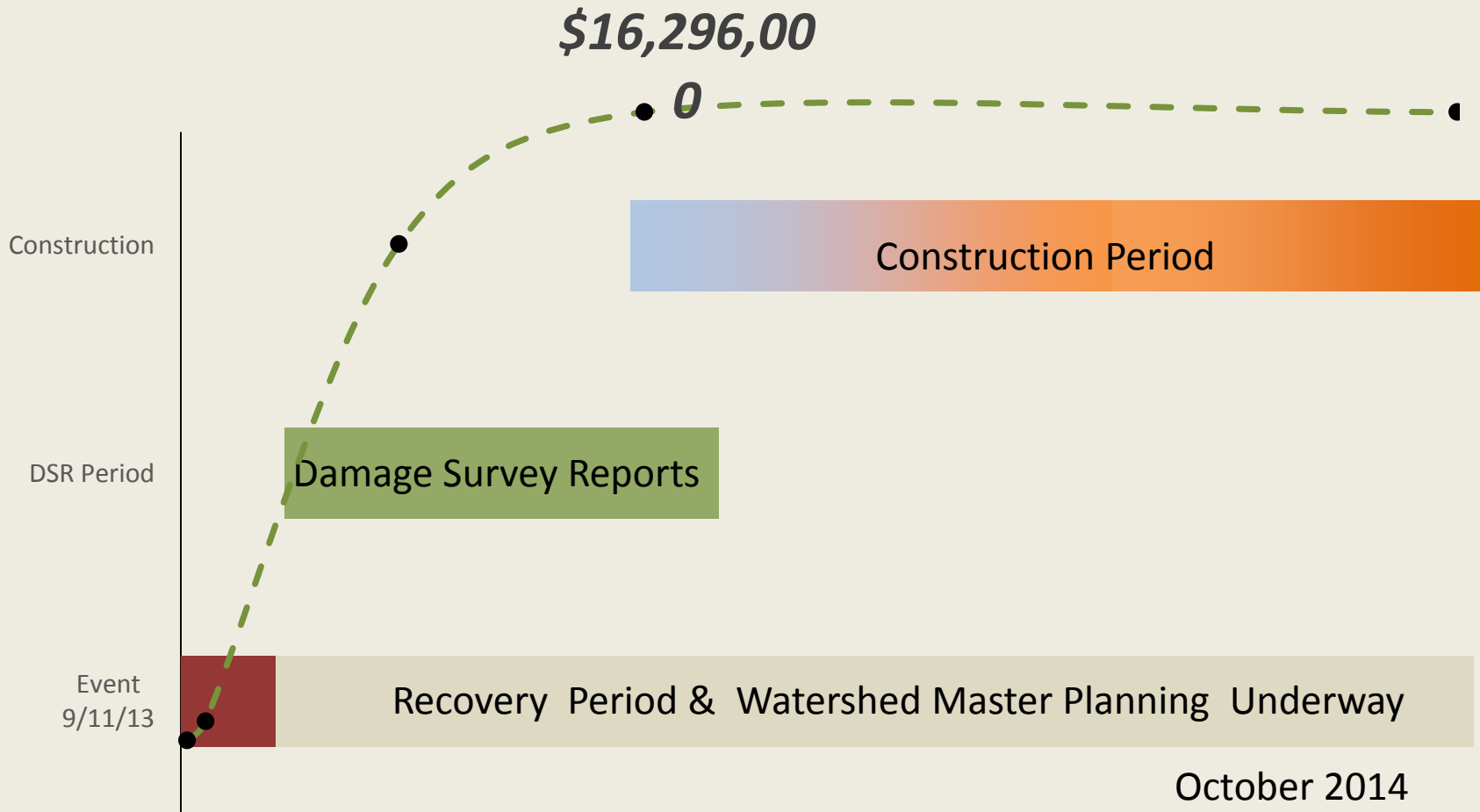
Colorado Flood EWP Phase 1 Time Line



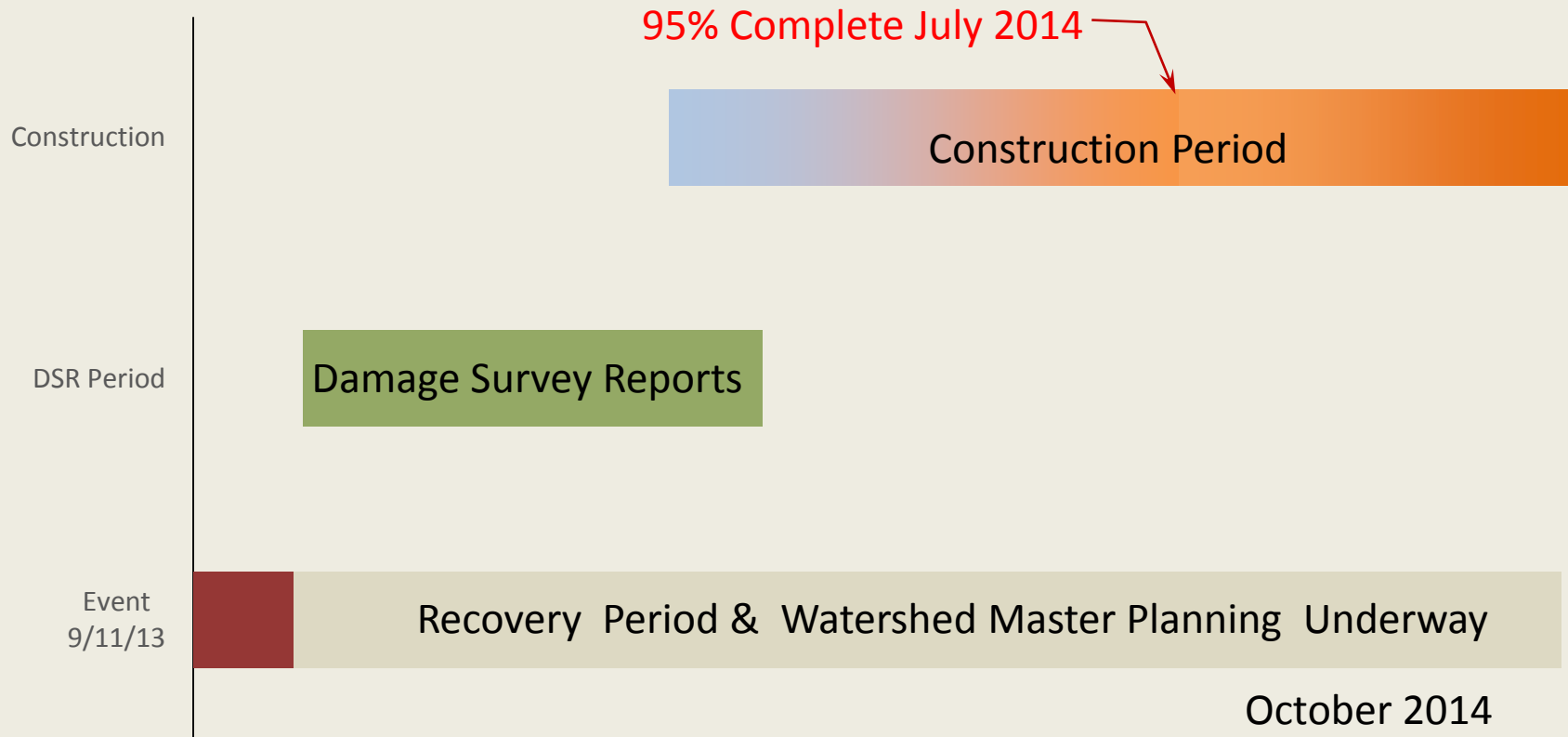
Colorado Flood EWP Phase 1 Time Line



Colorado Flood EWP Phase 1 Time Line






Colorado Flood EWP Phase 1 Time Line



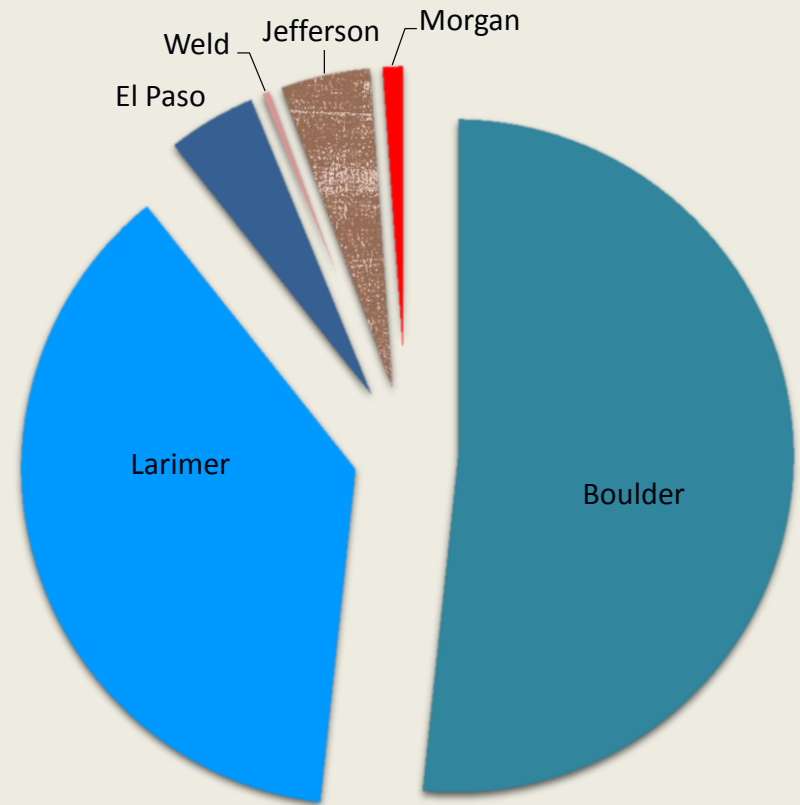
2013 Flood - Phase 1 Sponsorship

Colorado DHS - Emergency Management

 <u>Counties</u>	 <u>Municipalities</u>	 $\frac{1}{2}$ Local Funds <u>Other Entities</u>
Larimer County Boulder County El Paso County Morgan County	Estes Park Jamestown Lyons Evans Colorado Springs Fountain Loveland Longmont Louisville	Jefferson Conservation District Colorado Water Conservation Board Big Thompson Conservation District West Adams Conservation District Boulder County Open Space Colorado Dept. of Transportation Colorado Springs Utilities Consolidated ... Ditch ... Company

Phase I – 120 Exigent Projects

Location	# Sites Eligible	# Sites Treated
Boulder County	92	69
Larimer County	67	40
Jefferson County	8	4
El Paso County	8	6
Weld County	1	1
Morgan County	2	0



Project Costs

Construction (FA): \$ 9.3 mil

Sponsor's Share: \$ 2.6 mil

Technical Assistance (TA): \$ 1.9 mil

Total: \$13.8 mil

Permanent Fix ?



before



after



Or Temporary?

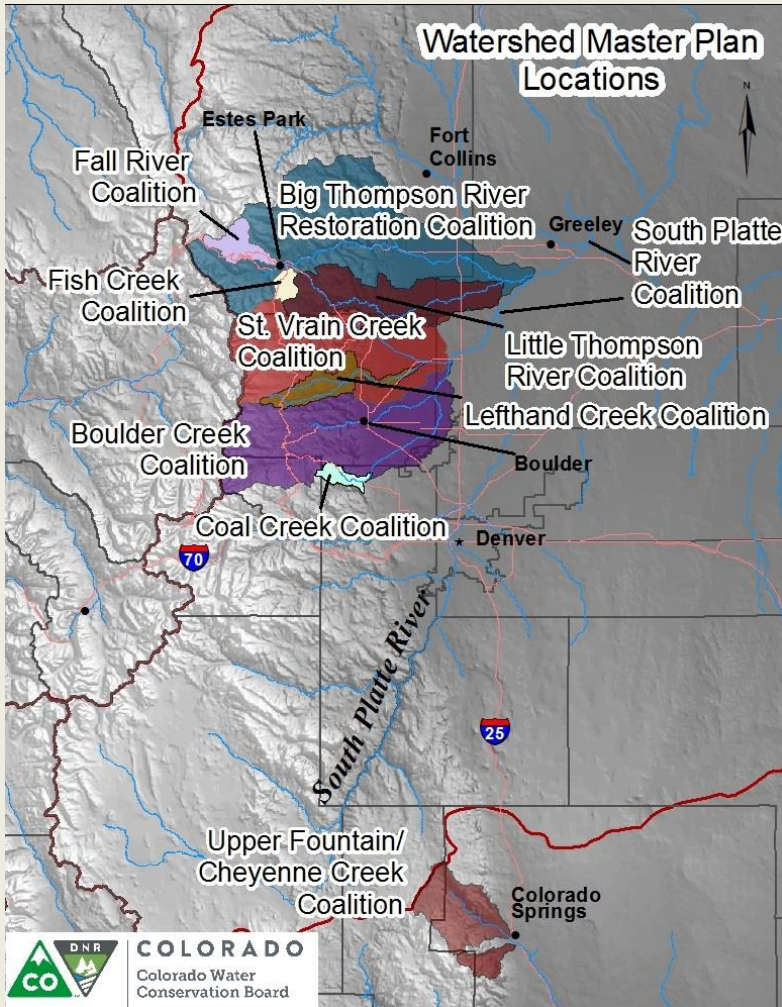


before



after

Watershed Coalitions



- Estes Valley Watershed Coalition
- Big Thompson River Restoration Coalition
- Little Thompson Watershed Restoration Coalition
- St. Vrain Creek Coalition
- Fourmile Watershed Coalition
- Left Hand Watershed Oversight Group
- Coal Creek Canyon Watershed Partnership
- Middle South Platte River Alliance
- El Paso County Regional Watershed Collaborative

Coalition Lead Masterplan Approach

Common Process

- Involve stakeholders
- Build participation and acceptance
- Develop a common vision
- Foster ownership of the planning process

Intended Outcomes

- Unified strategy to reduce future impacts:
 - Reduce risk to lives property
 - Restore ecological health
 - Identifies opportunities for improvements
- Community accepted restoration techniques
- Guide short term efforts with long-term objectives
- Prioritize projects & target resources
- Basis for future funding opportunities

Support for the process

CWCB, DOLA & many others resources for:

- Guiding the Planning Process
- Data Collection & Assessment
 - Ecological, Geomorphic & Flooding Risks
- Developing decision tools
- Hiring Watershed Coordinators
- Implementing Plans
 - 30% Design & Construction

2013 Flood Recovery Phase II

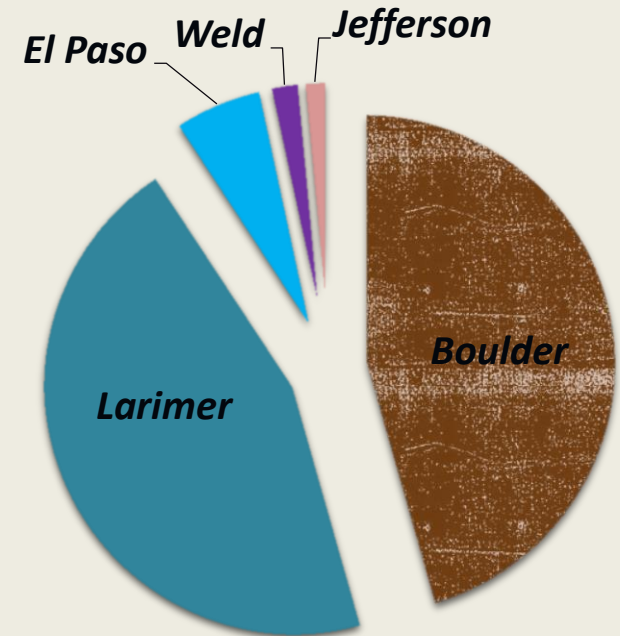
70 Preliminary Damage Survey Reports (March 2014)

\$68.3 mil Construction Cost

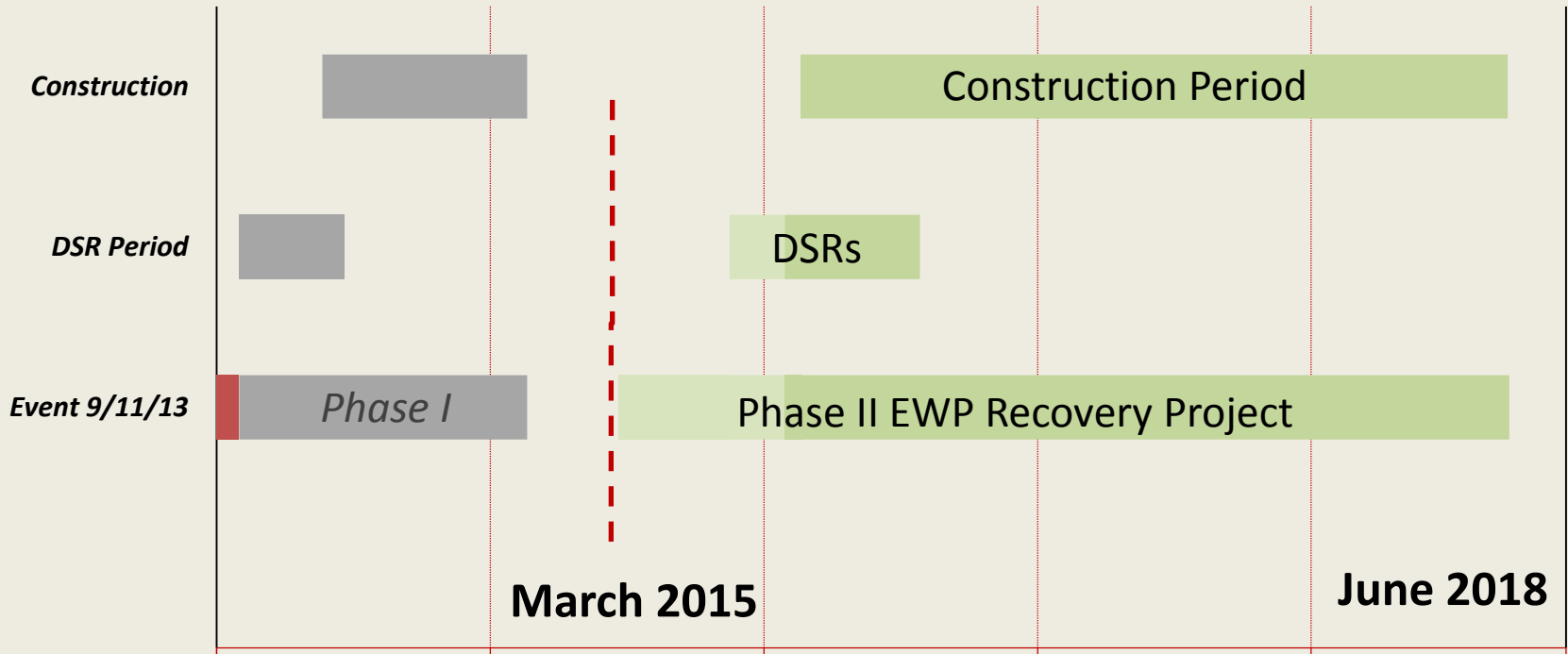
Phase II Funding

Allocated March 2015

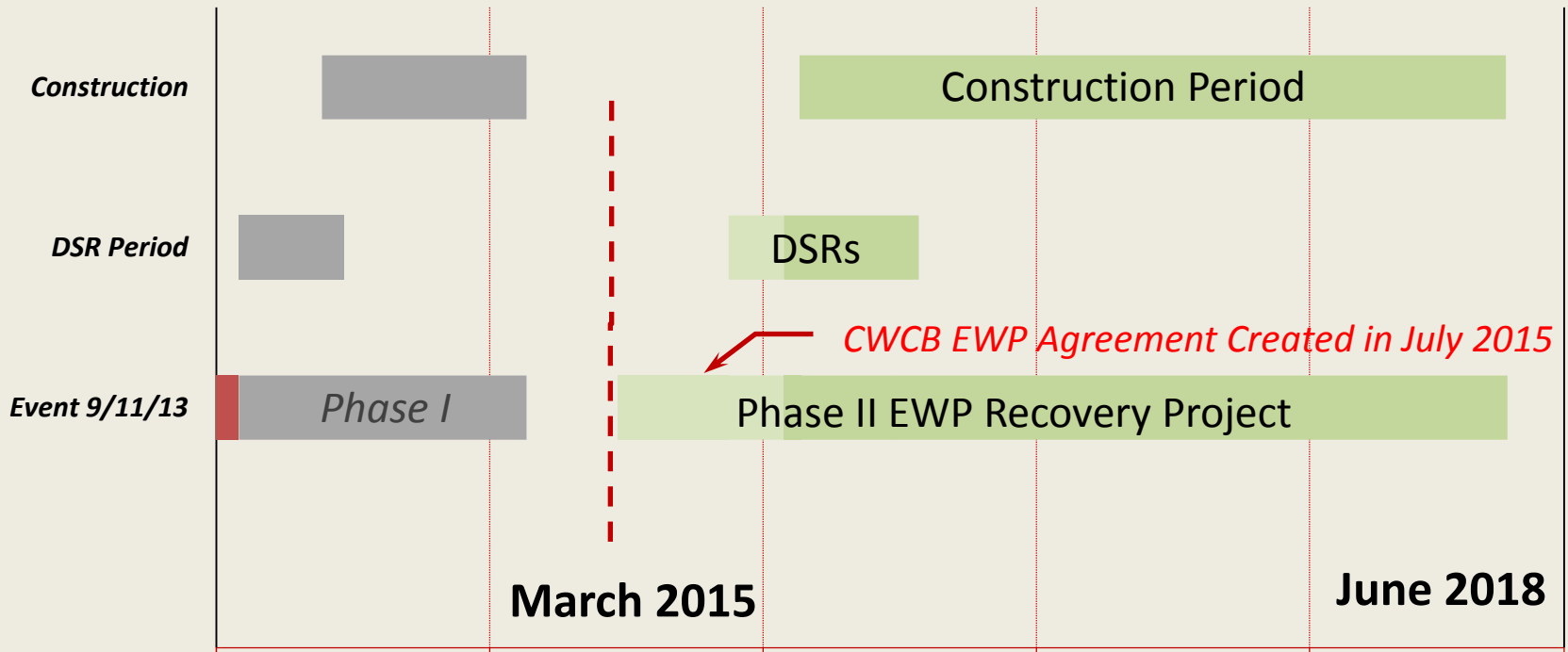
Construction (FA):	\$51.3 mil	\$47.4 mil
Technical Assistance (TA):	\$10.2 mil	\$ 9.5 mil
Total:	\$61.5 mil	\$56.9 mil
Non-Federal Share:	State	\$7.9 mil
	Local	\$7.9 mil



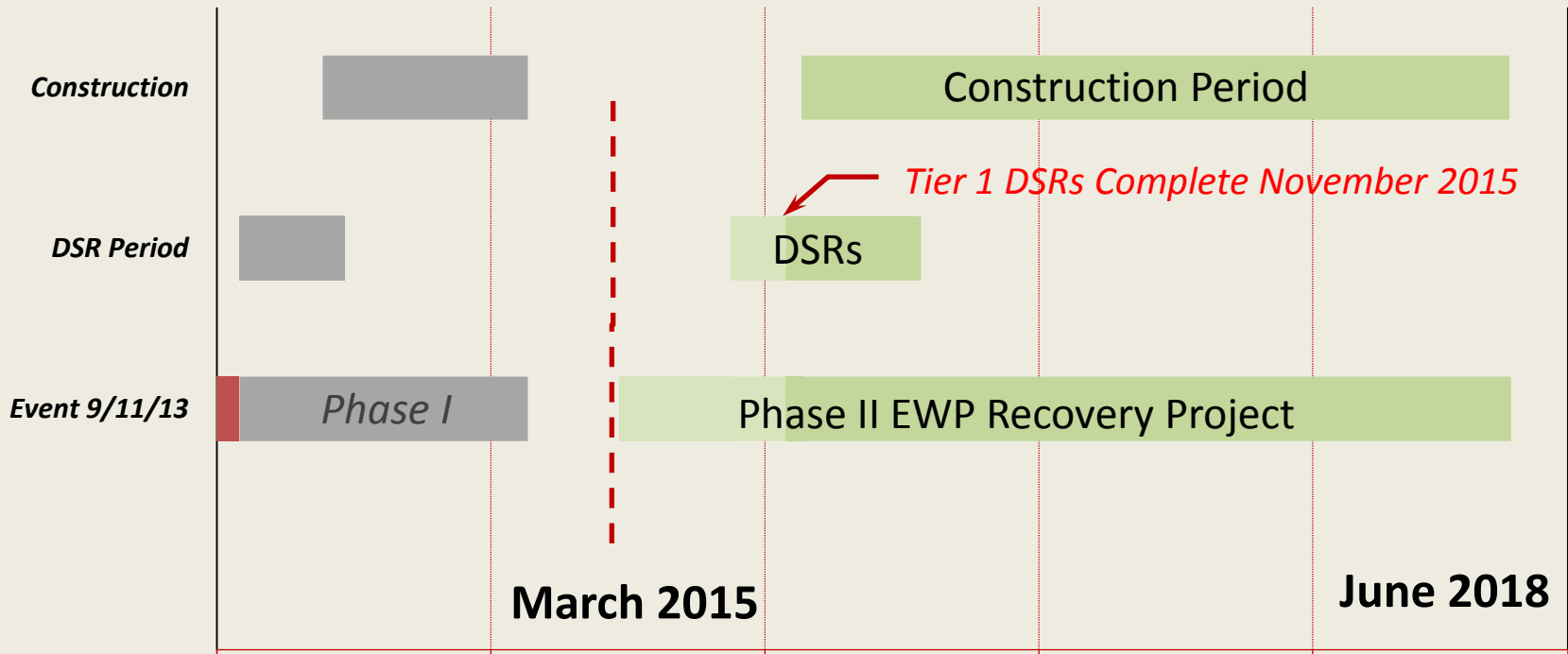
2013 Flood Recovery Timeline



2013 Flood Recovery Timeline



2013 Flood Recovery Timeline



DSR Revision Process

- 50 – 70 DSRs
 - March 2014 DSRs are outdated
- Watershed Coalition / Masterplan Priority
 - Community accepted techniques
 - Align with long-term objectives
 - Prioritize projects & target resources

DSR Revision Process

Current Work - Coalition's High Priority Sites

- Eligibility
- Concept Plan
- Estimated Cost
- NEPA



Next Steps

Complete the DSR

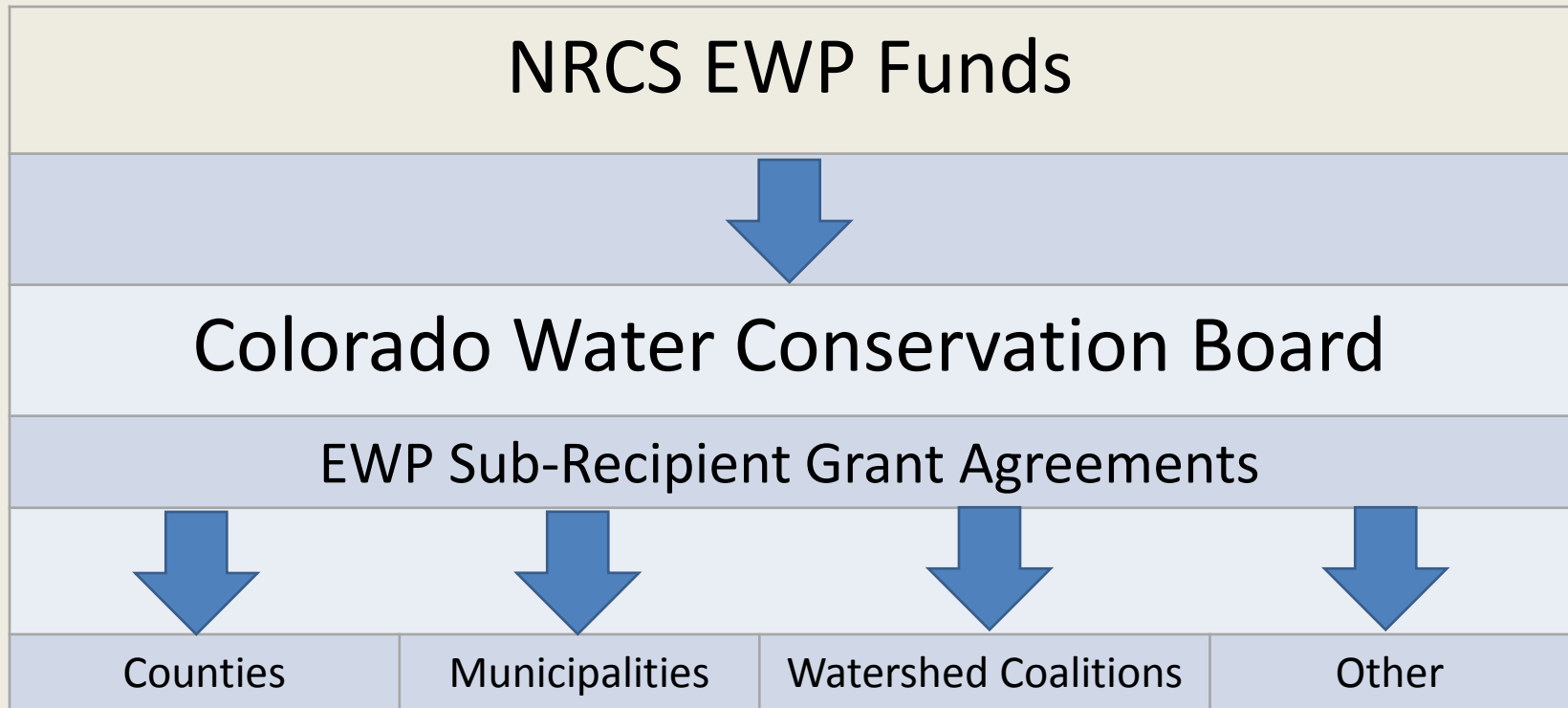
- Project Benefits
- Environmental Evaluation
- Sponsor & NRCS Approvals



Next Steps

- Prioritize Projects
- Make Decisions
 - Confirm local sponsorship
 - Obtain landowner permissions
 - Source of local match
- 30% Design & Final Design
- Permitting & Construction

2013 Flood - Phase 2 Sponsorship



CWCB EWP Grant Agreements

Establish local sponsor responsibilities

- Finish Design
- Landowner Permissions
- Permitting
- Construction Contracting
- Operation & Maintenance

CWCB EWP Grant Agreements

Reimburse Implementation Cost

- Identify Federal & State Cost Share Amount
 - Design
 - Construction
- Cash or In-kind Contributions

Expected Phase II Outcomes

- Reduce risk to lives & property
 - Build eligible Masterplans elements
- Contribute to long term sustainability
 - Restore ecological health
 - Identifies opportunities for improvements
- Build and Strengthen Partnerships
- Feature Watershed Approach

Emergency Watershed Protection Program

E W P

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Emergency Watershed Protection Program

E W P

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