

**Bear Creek OR
1976**



**Bear Creek OR
1988**





**Burro Creek AZ
1981**



**Burro Creek AZ
2000**



**Dixie Creek NV
1989**

**Dixie Creek NV
1995**





**Texas Creek CO
1976**



**Texas Creek CO
1987**



“Information does not resolve social conflicts, people do.”

(Duane 1997)

The Initiative for Accelerating Cooperative Riparian Restoration and Management

Created in 1996

BLM, USFS in
partnership with
NRCS



'Healthy Streams Through Bringing People Together'



“Restoration will not happen by regulation, changes in the law, more money or any of the normal bureaucratic approaches. It will only occur through the integration of ecological, economic and social factors, and participation of affected interests.”

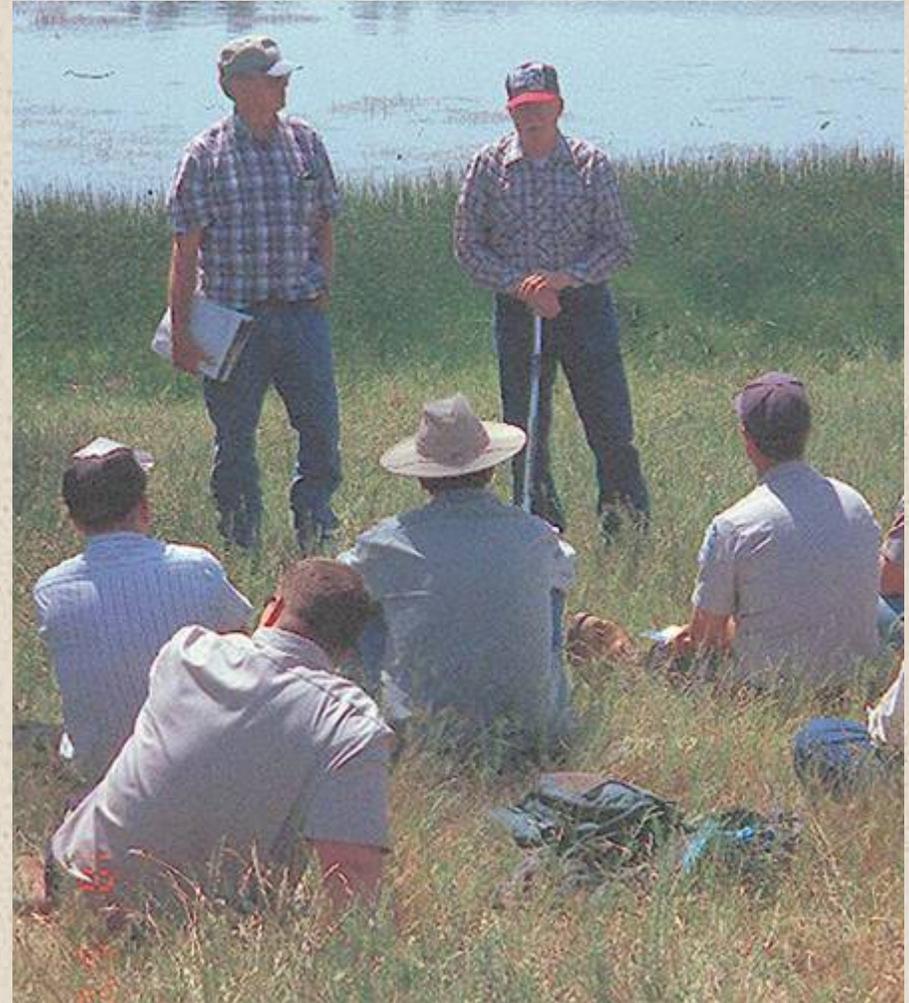


A group of approximately ten people is standing in a grassy field next to a stream. They are dressed in casual outdoor attire, including jackets, hats, and jeans. The background is filled with dense green foliage and trees. The scene suggests an outdoor educational or recreational activity.

Increase awareness and shared understanding of riparian function and sustainability across a large number of diverse people.

Program Implementation

- Riparian Coordination Network
- Community-Based Training
- Service Trips
- Proper Functioning Condition Method (PFC)



On-The-Ground Condition

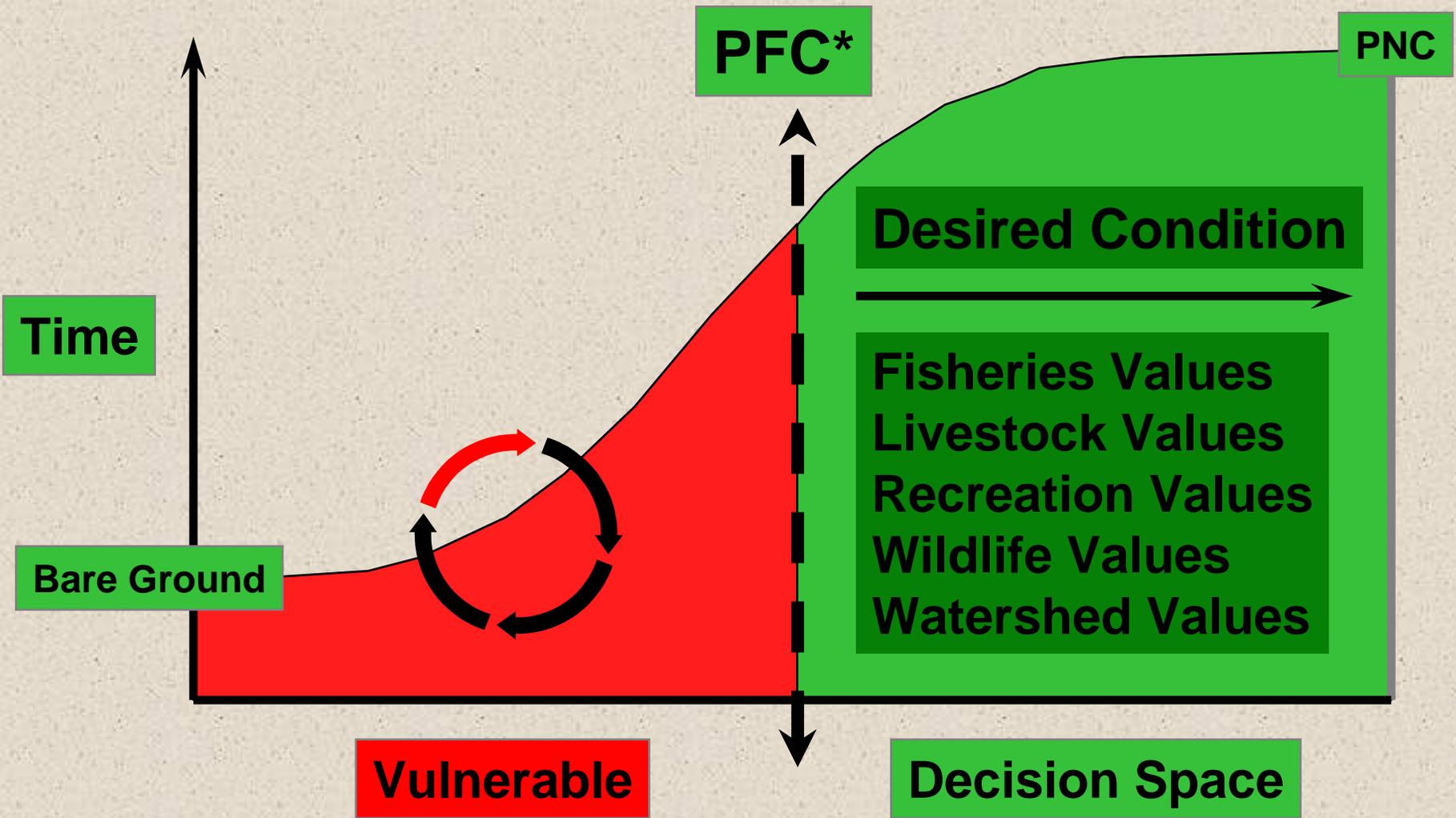
Adequate vegetation, land form or large woody material to:

- Dissipate stream energy
- Reduce erosion
- Filter sediment
- Capture bedload
- Aid floodplain development
- Improve floodwater retention and groundwater recharge
- Develop root masses that stabilize stream banks

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- Increased water quality and quantity
- Diverse ponding and channel characteristics
- Habitat for fish and wildlife
- Greater biodiversity
- Forage for livestock

Riparian Area Recovery



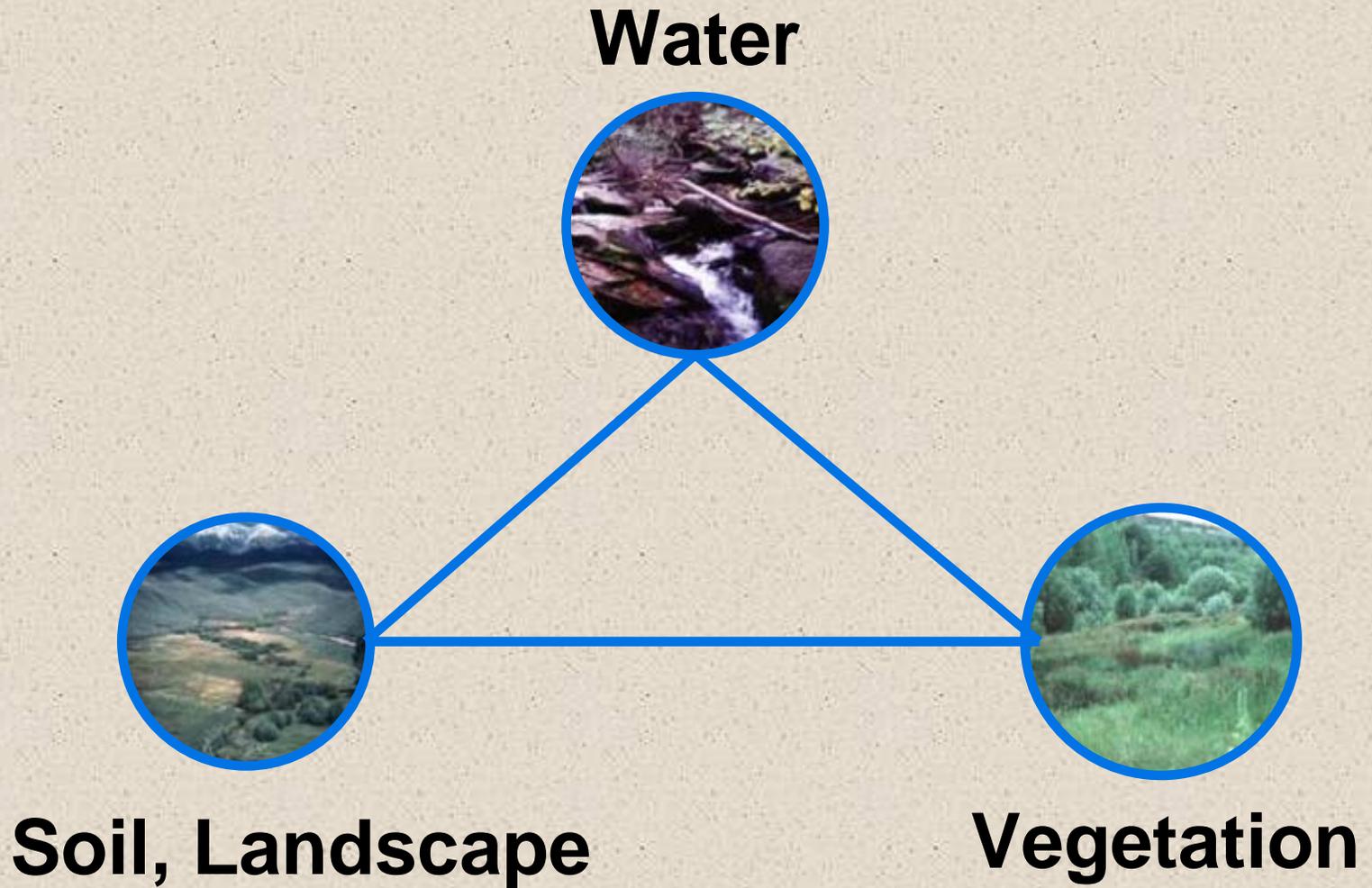
*Proper Functioning Condition = Resilient to a 25 - 30 year event or less (>85% of flows)

Communication Tool



Provides common terms, definitions and concepts important to building a shared understanding and vision among diverse stakeholders.

PFC Assessment Method



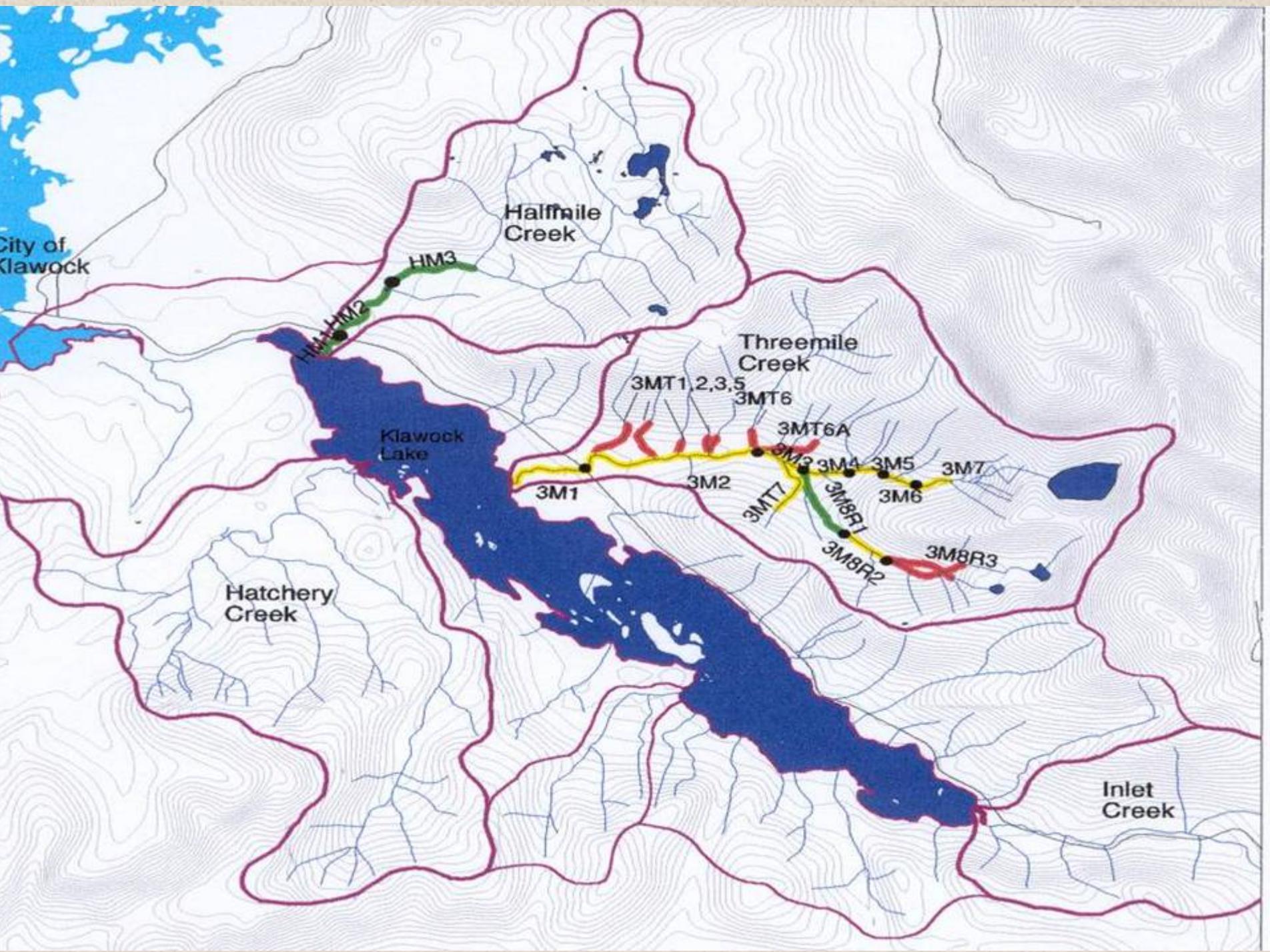
What may be limiting?

How can management be improved?

What further evaluations are appropriate?



What's working well?



City of
Klawock

Halfmile
Creek

Threemile
Creek

Klawock
Lake

Hatchery
Creek

Inlet
Creek

HM1
HM2
HM3

3MT1, 2, 3, 5
3MT6

3M1

3M2

3M3

3M4

3M5

3M6

3M7

3MT7

3M8R1

3M8R2

3M8R3

3MT6A

Program Activities

- **300 briefings and presentations**
 - 10,000 people
- **400 workshops**
 - 12,000 people
- **175 service trips**
 - 3,000 people



Program Evaluation

- ✓ Evaluate effectiveness of original strategy
- ✓ Indicate where program improvements could be made
- ✓ Provide information about specific program activities and accomplishments

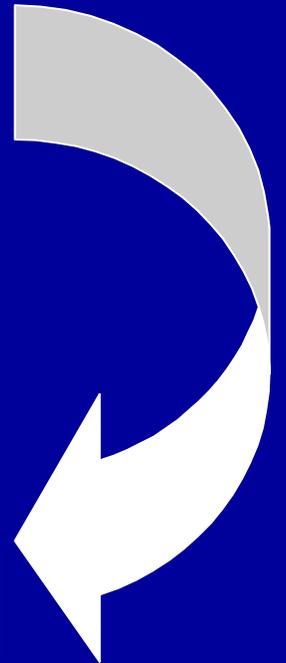
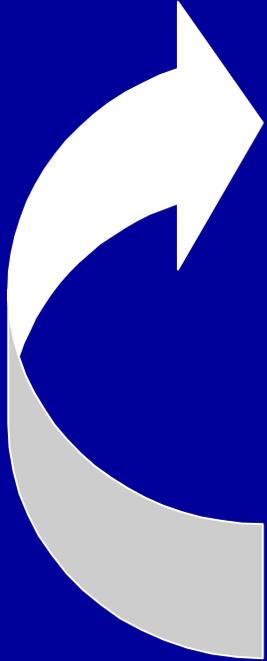


Program Evaluation Framework

PARTICIPATORY RESEARCH

Refine Program Description

Design Evaluation Approach



Data Collection

Surveys of PFC training session and service trip participants

- ❖ *Demographic information*
- ❖ *Levels of satisfaction*
- ❖ *Barriers to success*
- ❖ *Indicators of short & long-term outcomes*

Data Collection

Interviews and focus groups with network members

- ❖ *How does the initiative operate?*
- ❖ *What are its advantages and disadvantages?*
- ❖ *How are participants, including interviewees, affected?*
- ❖ *What are the on-the-ground outcomes?*
- ❖ *What are barriers to success?*

Satisfaction

'Extremely Satisfied'

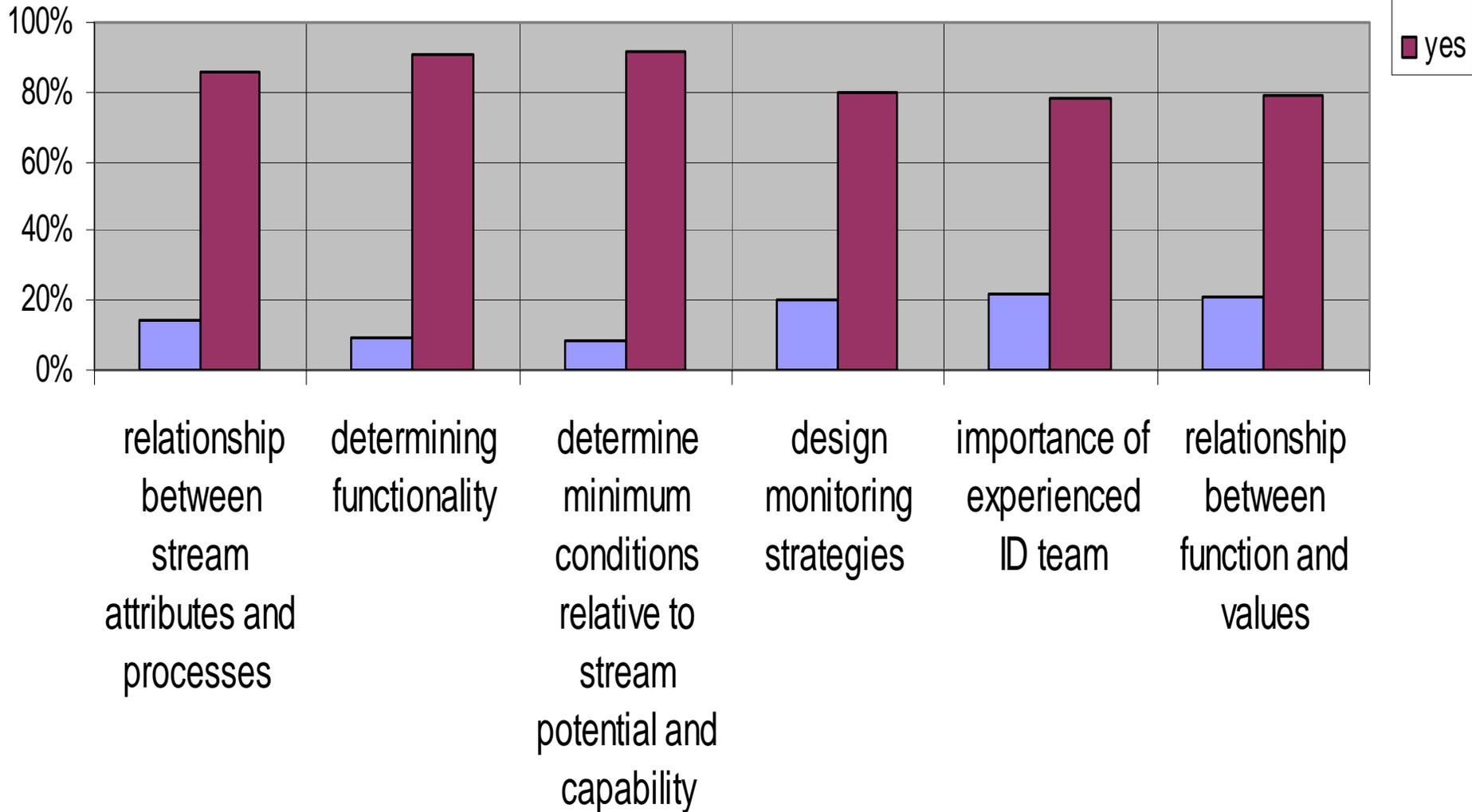
- instructor attributes
- products and services delivered

Some Concern

- availability and flexibility of NRST
- effectiveness of outreach efforts



Did Participant Knowledge Increase?

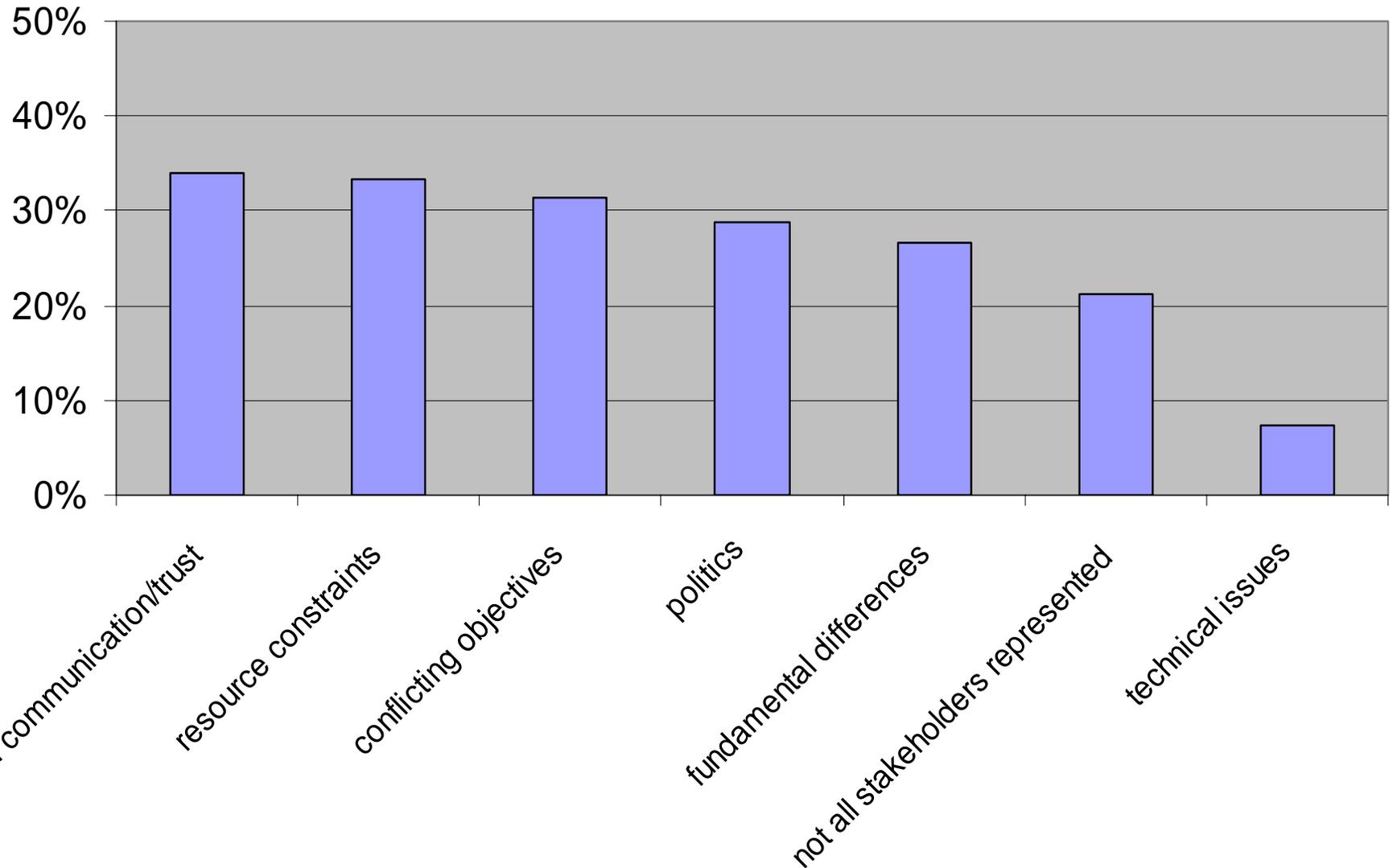


PFC Training Sessions

- Lack of diverse participation
- Limited long-term improvement in cooperation



Extremely Serious Barriers to Cooperative Riparian-Restoration and Management

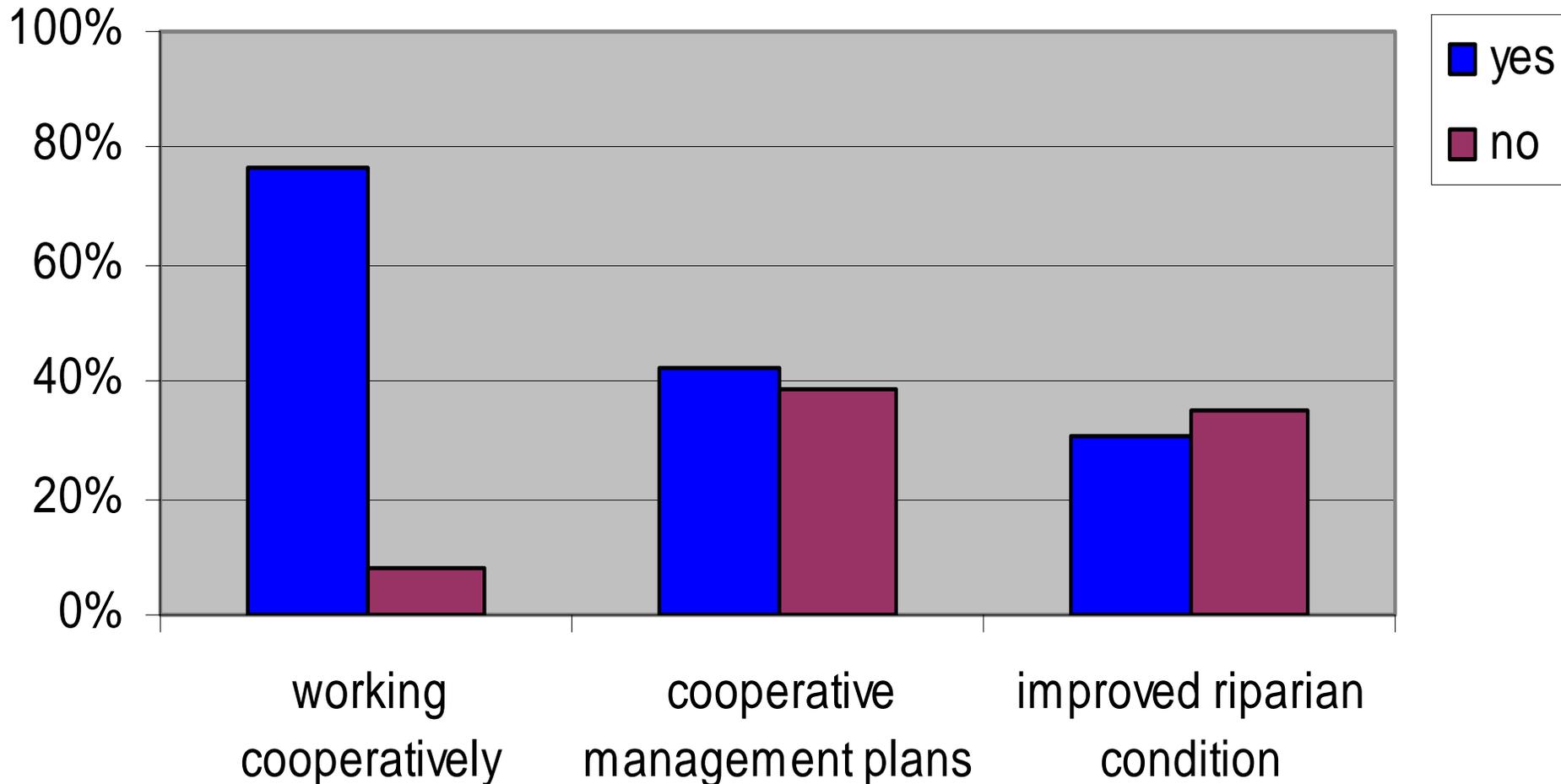


Training sessions
are important to
building awareness
and a shared
understanding...



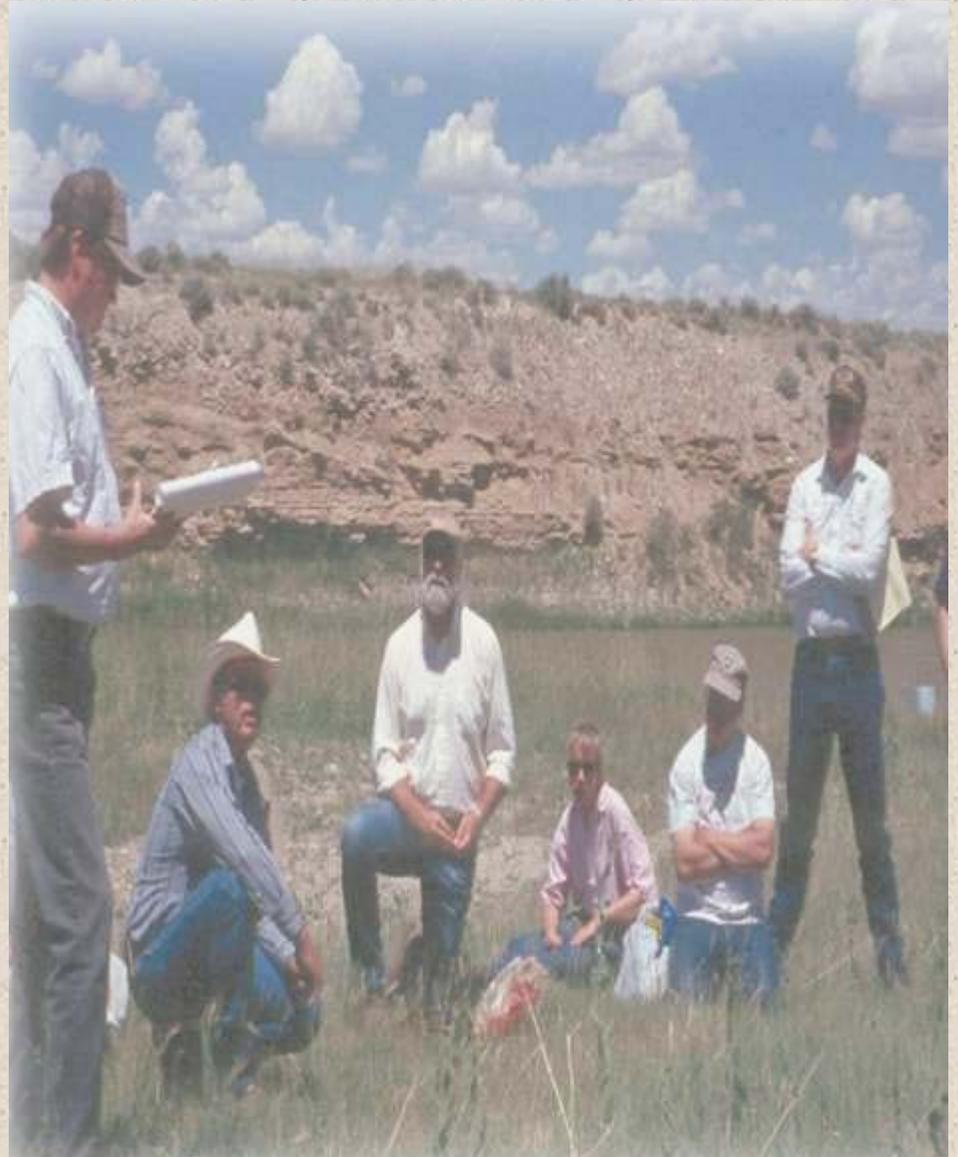
...the initiative's
mission cannot be
fulfilled through
training sessions
alone.

On-The-Ground Improvements Associated with Service Trips



Lower Rates of Success

- ✓ Lack of up-front participation by all stakeholders.
- ✓ Insufficient opportunities for dialogue and mutual learning.
- ✓ Limited follow-up.



Strategy Revisions

PFC training sessions...

- Engage in deliberate and personal outreach
- Combine training and place-based problem solving

Service trips...

- Use pre-work to encourage up-front participation
- Facilitate opportunities for dialogue and mutual learning
- Engage in follow-up activities

Network...

- Increase network ability to respond to a range of community needs

Secure the Up-Front Participation of Diverse Stakeholders



Build Relationships

Encourage Mutual Learning



Integrating Science into Collaborative Decision-Making



- ✓ Structure the dialogue
- ✓ Joint fact-finding

Build ownership and commitment



Increase the Ability of a Group to Implement Agreed Upon Solutions



Building Capacity for Collaborative Stewardship

- Dealing with conflict
- Creating a common understanding
- Engaging in joint fact-finding
- Promoting mutual learning
- Building trust
- Encouraging collaborative relationships
- Fostering will
- Enhancing capabilities

