

Monitoring for Progress Reporting

Tools for progress reporting

- Rapid monitoring inform progress tracking and implementation planning
- Site visits
- Watershed wide monitoring

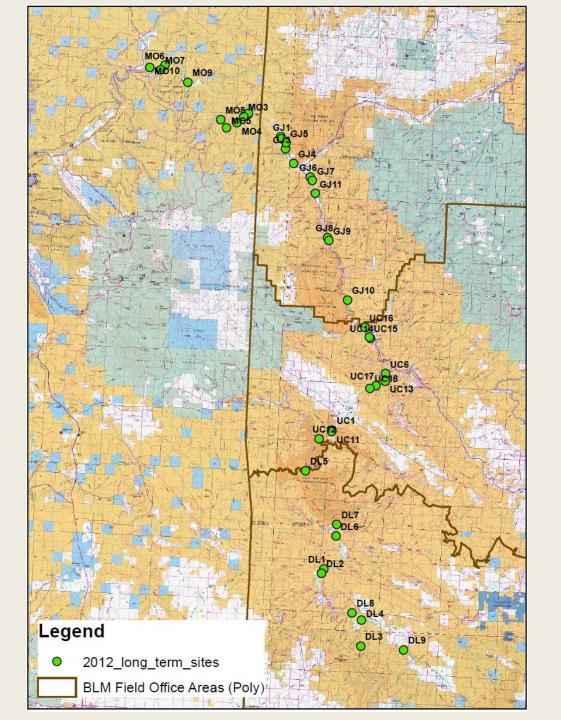


What are we doing and why are we doing it?

What are we doing?

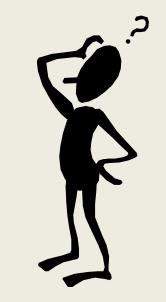
- 40 intensively monitored sites
- Point intercept vegetation monitoring (systematic way to sample vegetation cover)
- Photos
- Soils analysis
- Coupled with treatment data (implementation committee)





Why are we doing this?

- Rapid monitoring progress
 - Did we meet our goals?
- Watershed wide monitoring – patterns
 - How did we meet our goals?





Why are we doing this?

- How did we get success?
 - Native vegetation regrowth
 - Treatments
- How did we get failure?
 - Secondary invasions
 - Native vegetation
- How often did we get success or failure?



Watershed wide



DRRAP Ecological goals

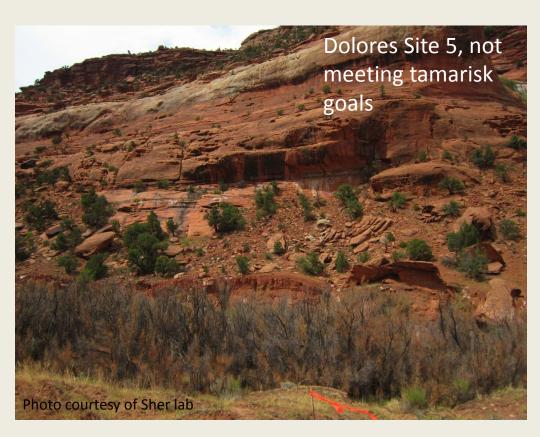
DRRAP goals

- Relative cover of tamarisk <5%
- Relative cover of other invasive, non-native plants <15%
- 3. Relative cover of native species >80%
- 4. **Total vegetation cover of a site ≥30%



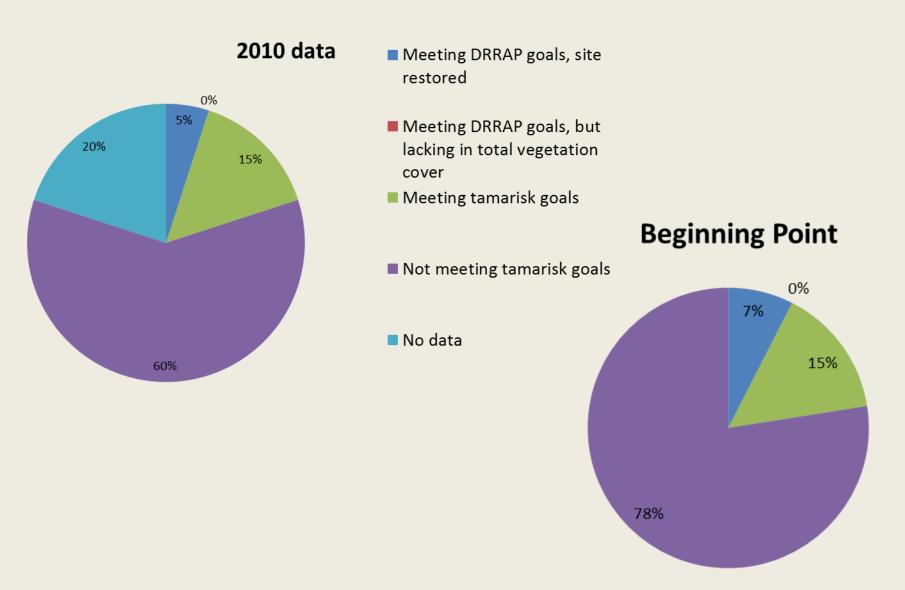


Site evaluation categories: Where are we in the process of ecological restoration?



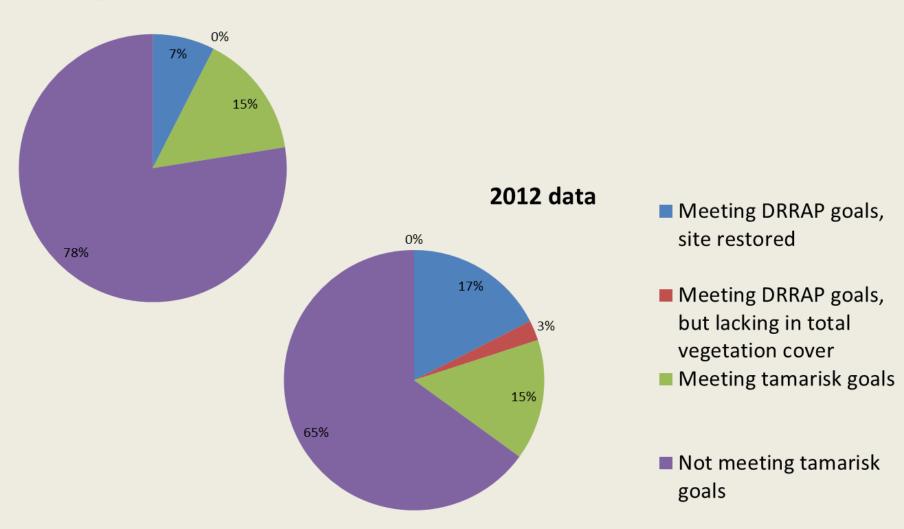
- 1. Site meeting DRRAP goals, site restored.
- 2. Meeting DRRAP goals, but lacking in total vegetation cover.
- 3. Meeting tamarisk goals.
- 4. Not meeting tamarisk goals.

Where were we, all 40 sites?



Where are we, all 40 sites?

Beginning Point



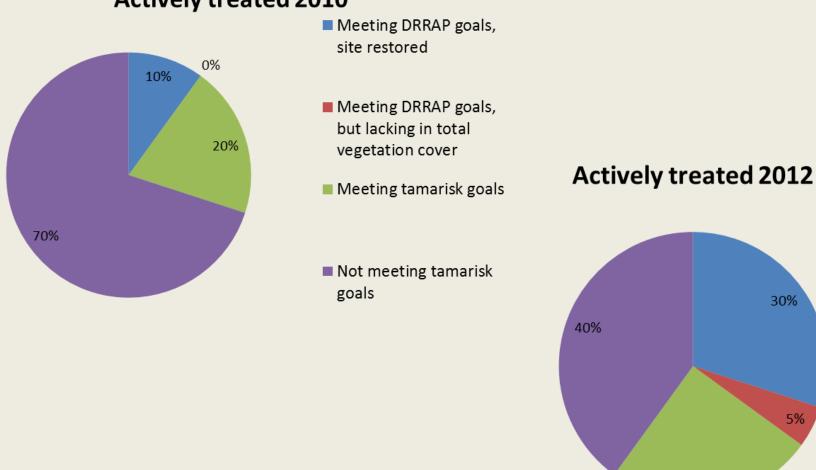
Where are we, 20 sites with some type of active treatment?

30%

5%

25%

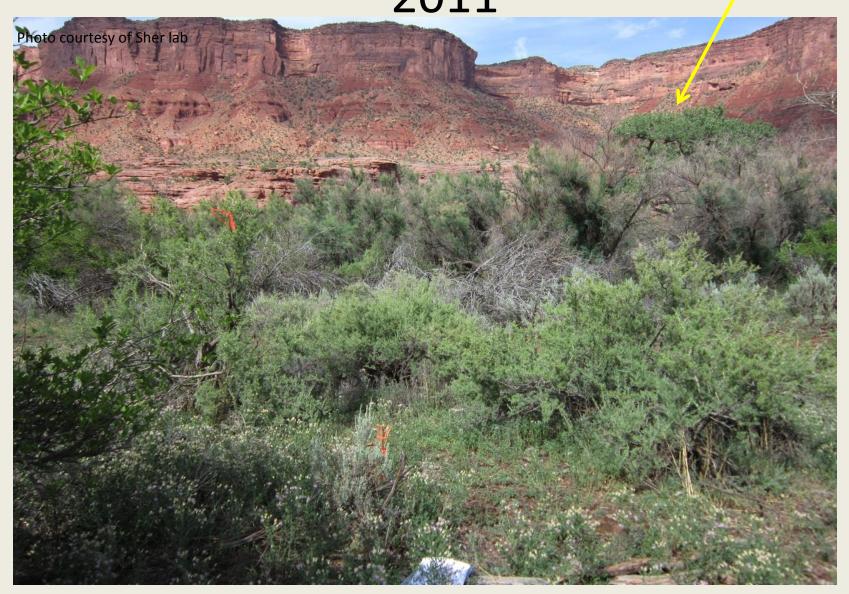
Actively treated 2010



Grand Junction Site 6 2010



Grand Junction Site 6 2011



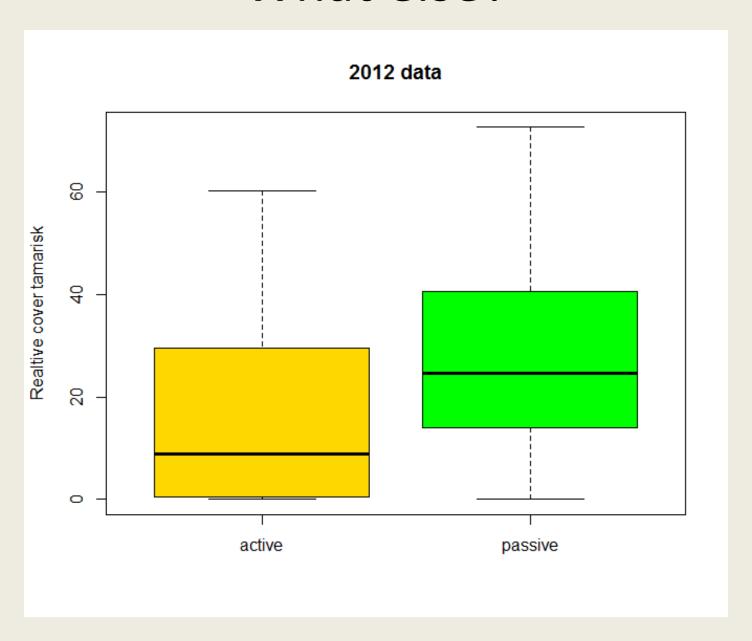
Grand Junction Site 6 2012

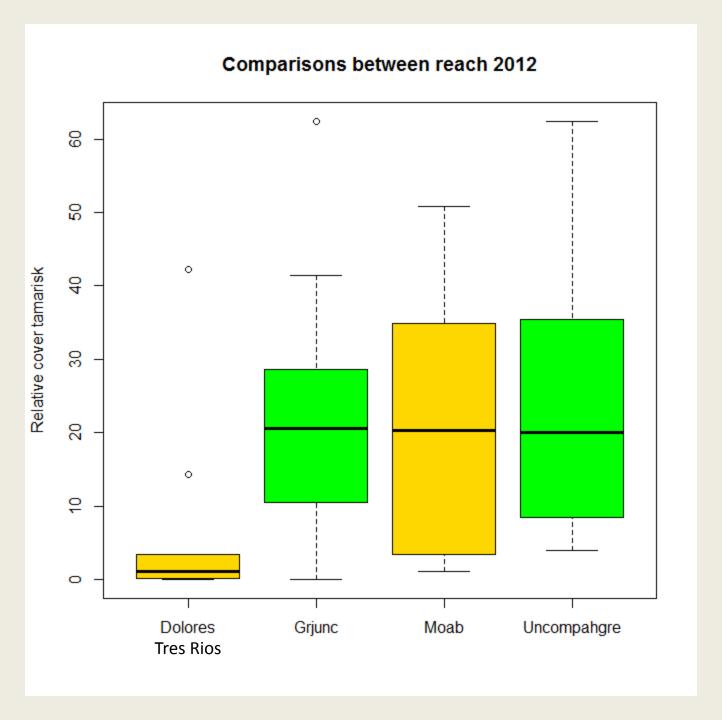


Watershed wide monitoring



What else?





Where are we going?

- Types of treatments
 - Response of tamarisk
 - Response of nonnatives
 - Response of natives



Where are we going?

 Relationship between % cover tamarisk in year 1 versus % cover native plants 4 years later



