



Protecting our Mountain Islands and Desert Seas

Restoration in the Sky Islands:

Bringing volunteers, landowners, practitioners and agencies together to benefit wildlife and habitats in a global biodiversity hotspot

Sky Island Alliance

Dedicated to the protection and restoration of the rich natural heritage of native species and habitats in the Sky Island region of the southwestern United States and northwestern Mexico

www.skyislandalliance.org

Landscape Restoration Program Program

Restore habitats, watersheds and ecosystem function

- Inventory historical locales
- Identify native and non-native plant and animal locations
- Restore degraded areas
- Control non-native species and restore native species
- Monitoring and management

Targets

- Habitats/structural elements
- Cottonwood/willow gallery forest
- Mesquite bosque
- Cienegas
- Springs
- Creeks
- Tobosa and sacaton floodplains
- Ephemeral arroyos



Targets





Chiricahua leopard frog Lowland leopard frog







Targets

Non-Native Species

- Bullfrogs –introduced for sport/disperses up to 7 miles
- Fish –introduced for sport/widely stocked
- Crayfish –released or escaped bait
- Salamanders –released or escaped bait/interbreed with native
- Plants –introduced as forage or landscaping, escaped



Ciénega Creek Watershed

Goals

- Prioritize eroding tributary drainages and implement restoration
- Coordinate activities with partnering agencies and local landowners
- Train at least 40 volunteers in erosion control techniques
- Restore up to 16 kilometers of eroding tributary drainages
- Ensure that ongoing habitat restoration work endures at the administrative level

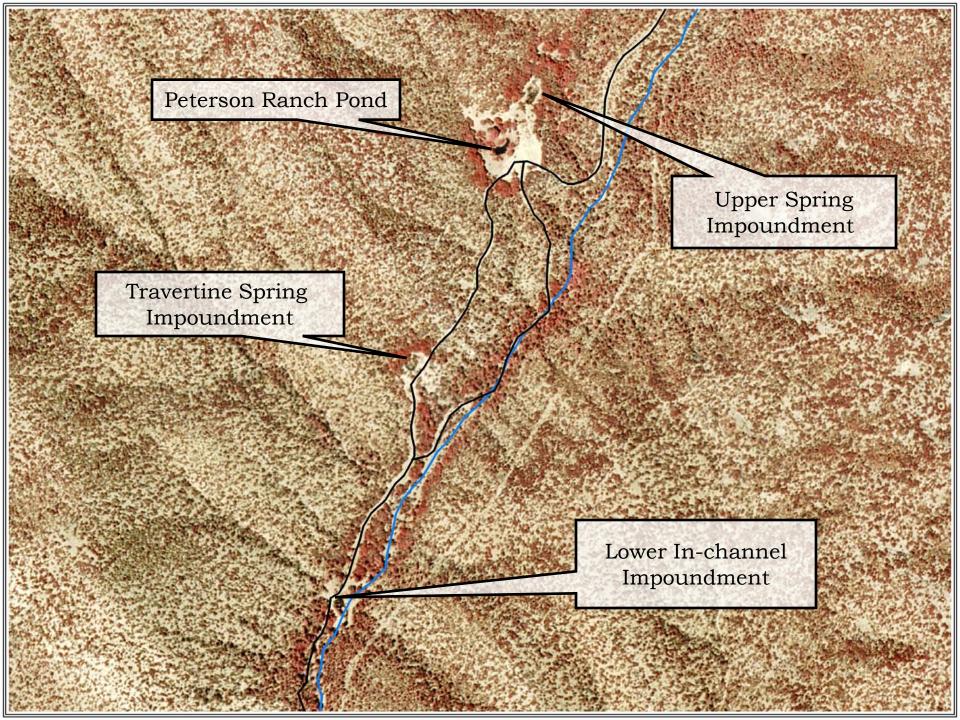




























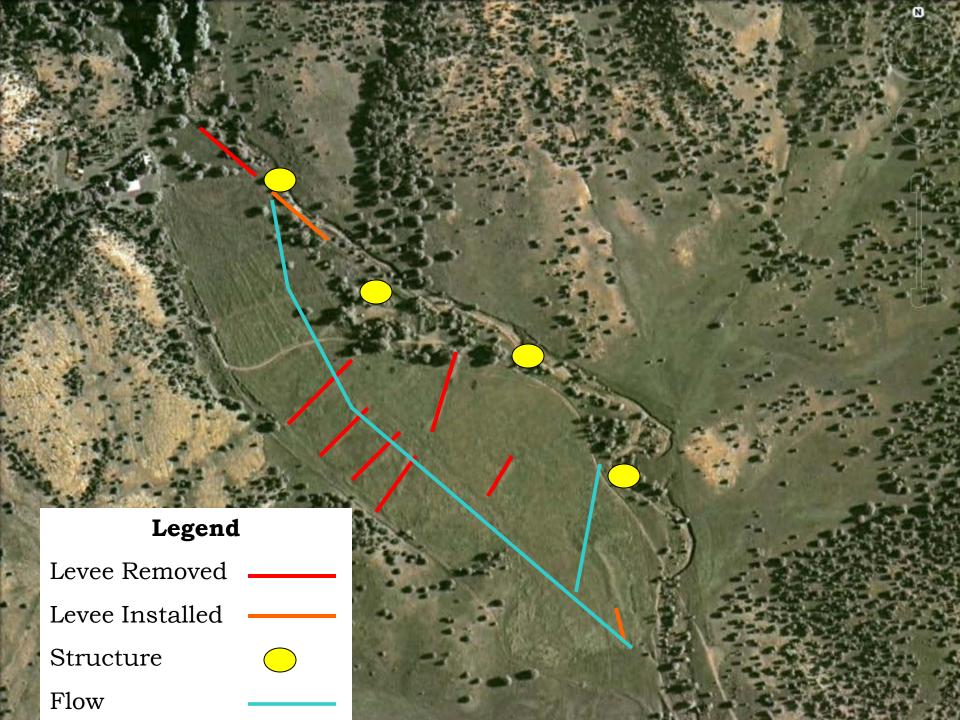


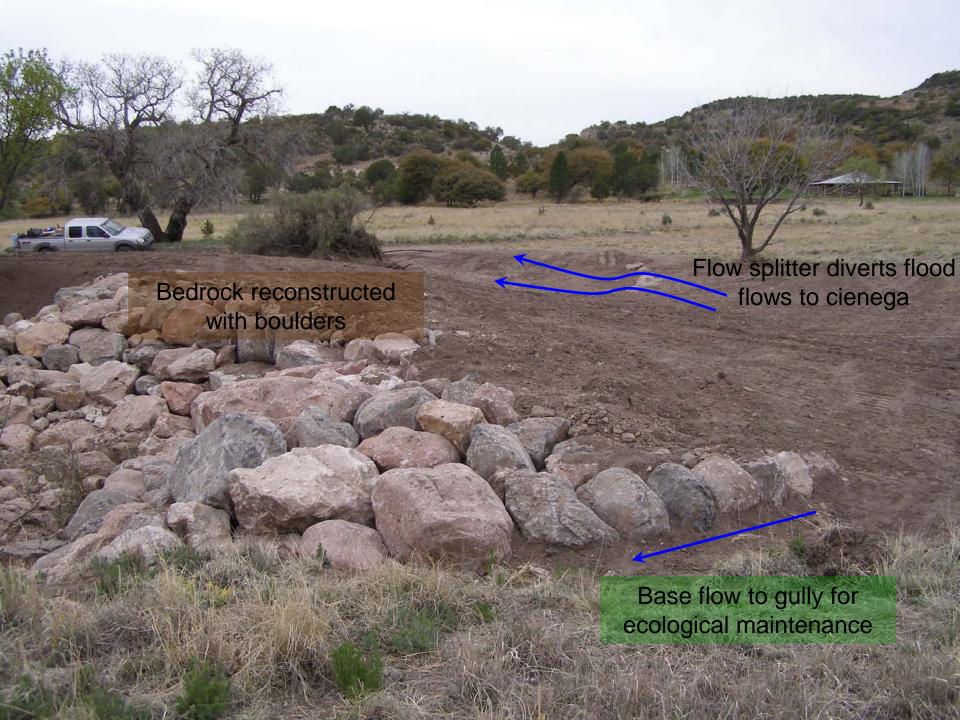


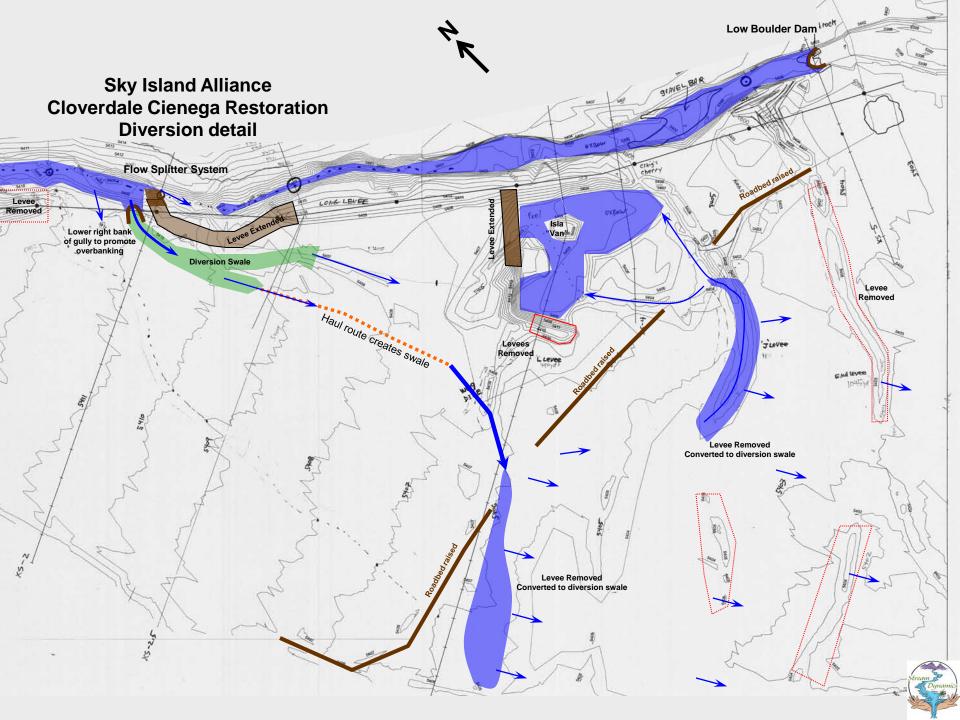


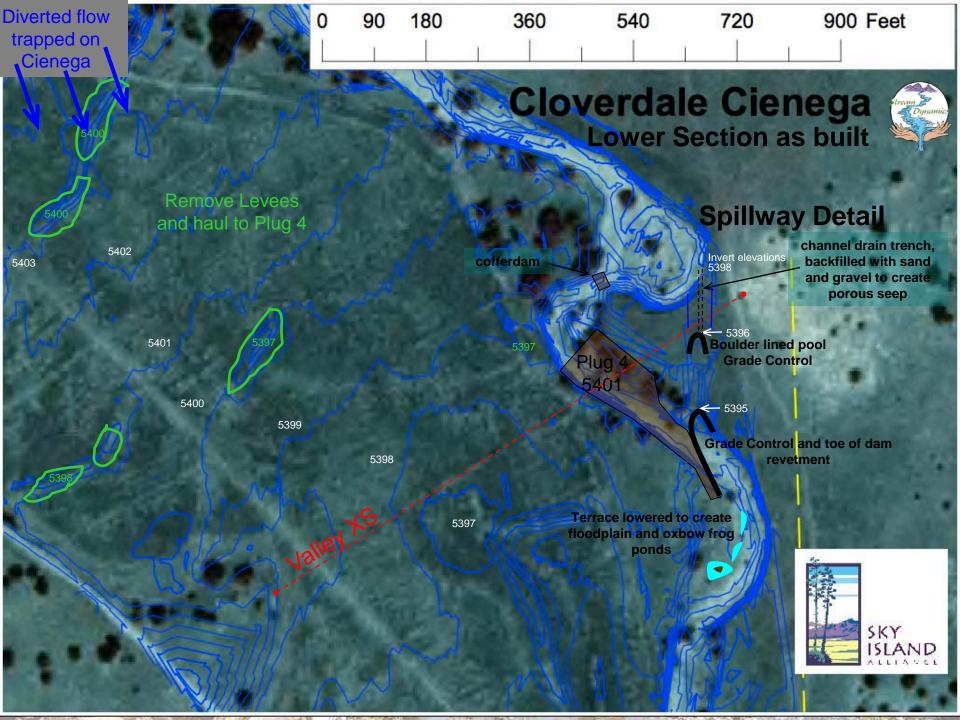












Lessons Learned

- Early & consistent communications
- Experienced help -hydrology, botany, geomorphology, land & wildlife management
- Use volunteers
- Use low-tech méthods
- Study, think, look, ask
- Start small
- Look at the whole watershed

Lessons Learned

Budget time and money for thorough & thoughtful observation

"Don't just do something, stand there"

-Bill Zeedyk

"Ecosystems are not only more complex than we think, they are more complex than we can think"-Frank Egler

"Think like a mountain" –Aldo Leopold

What's next?

 Working on restoration in an experimental (BACI) design on three ranches in Sonora

 Springs, Seeps and Shallow
 Groundwater Inventory, Assessment and Management Analysis Project

How to Get Involved

- Volunteer with Sky Island Alliance on over 20 field weekends every year
- Support your local conservation organization
- Tell your Elected Officials to support conservation
- Get Out There & See Why!

