

Yosemite National Park
Stanislaus National Forest



Ackerson Meadow Restoration

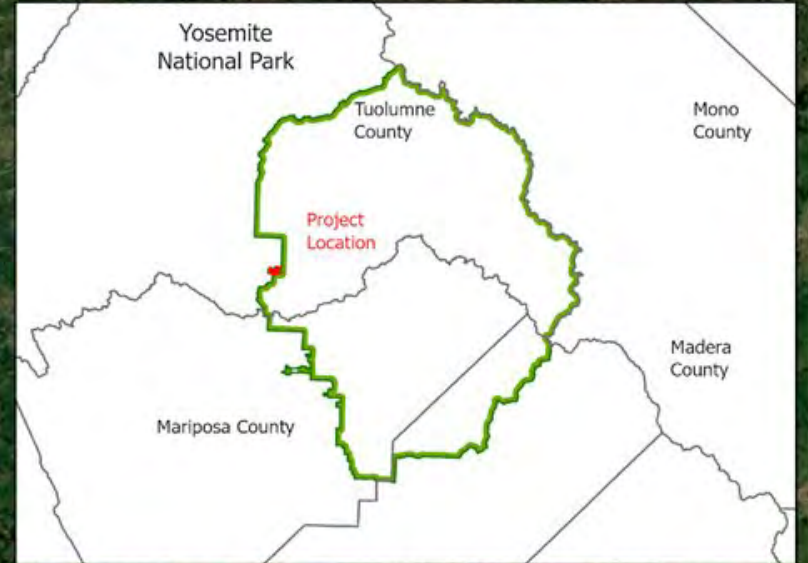
Yosemite Project Managers
Melissa Steller, Biological Science Technician
Tim Kuhn, Ecohydrologist

YSS Meeting
May 17, 2024
Curtis Kvamme, Soil Scientist
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Ackerson and South Ackerson Meadow

Yosemite National Park, California

Yosemite National Park
National Park Service
U.S. Department of the Interior





Ackerson Meadow, NPS



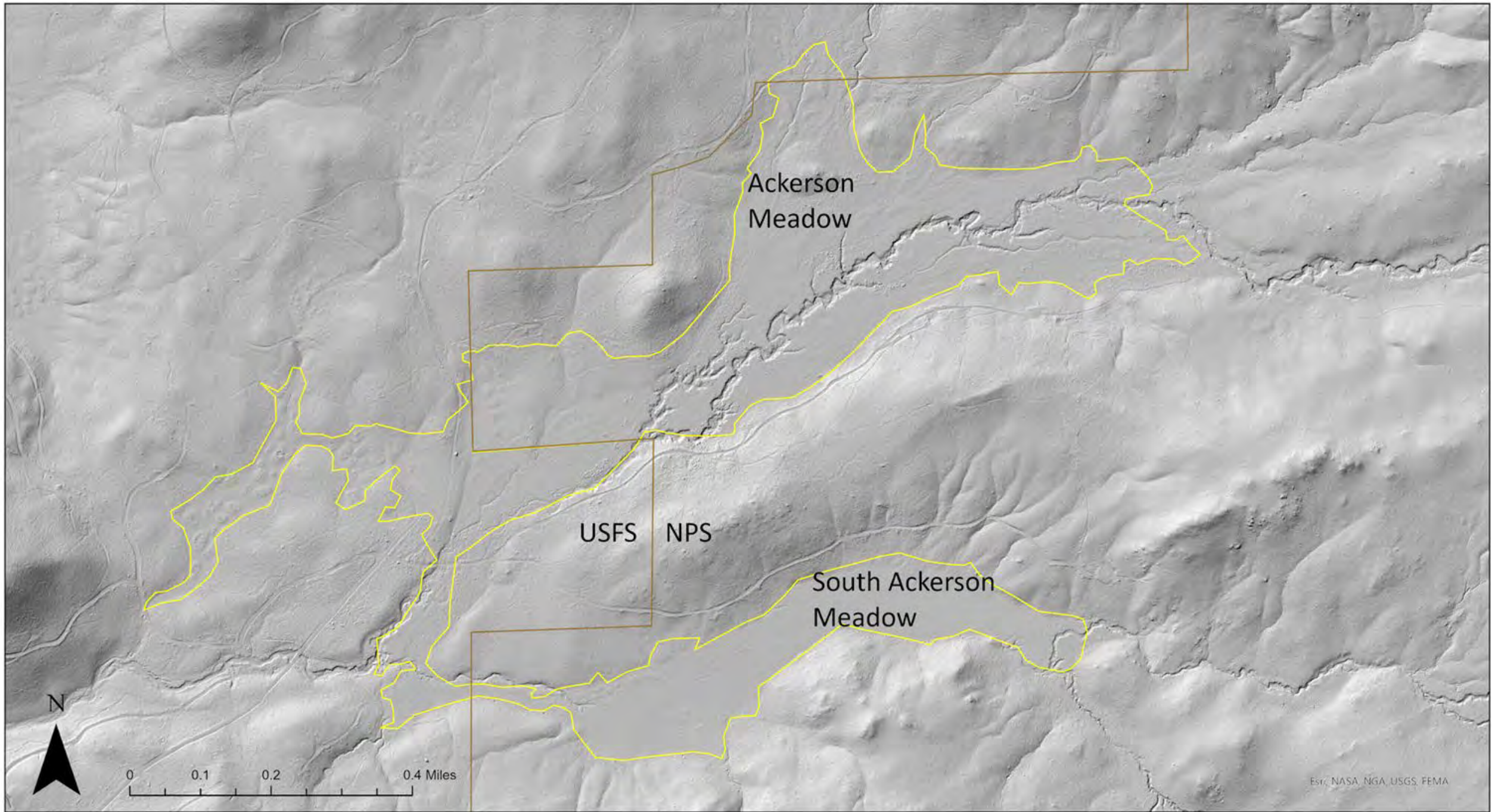
Willow flycatcher, NPS



Great grey owl, NPS



Northwestern pond turtle, NPS



Ackerson
Meadow

USFS NPS

South Ackerson
Meadow



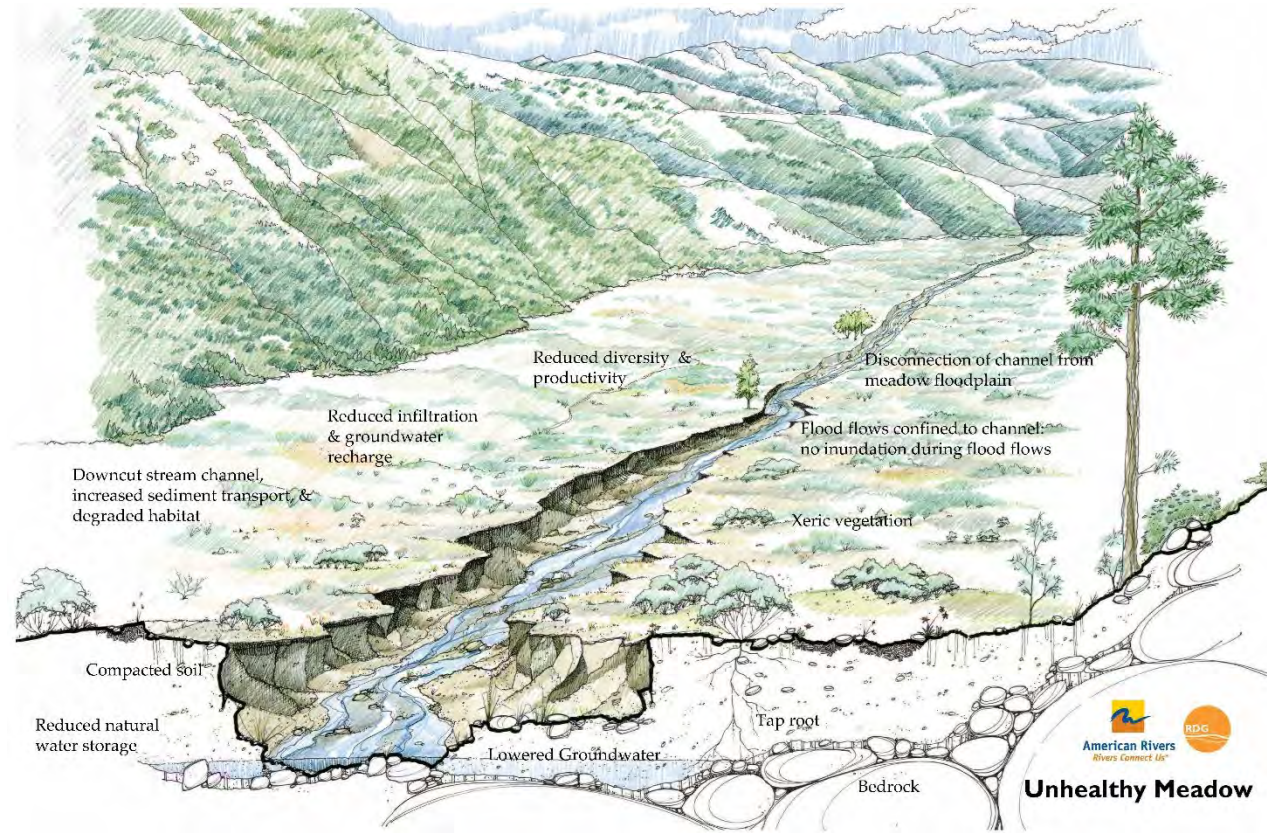
0 0.1 0.2 0.4 Miles



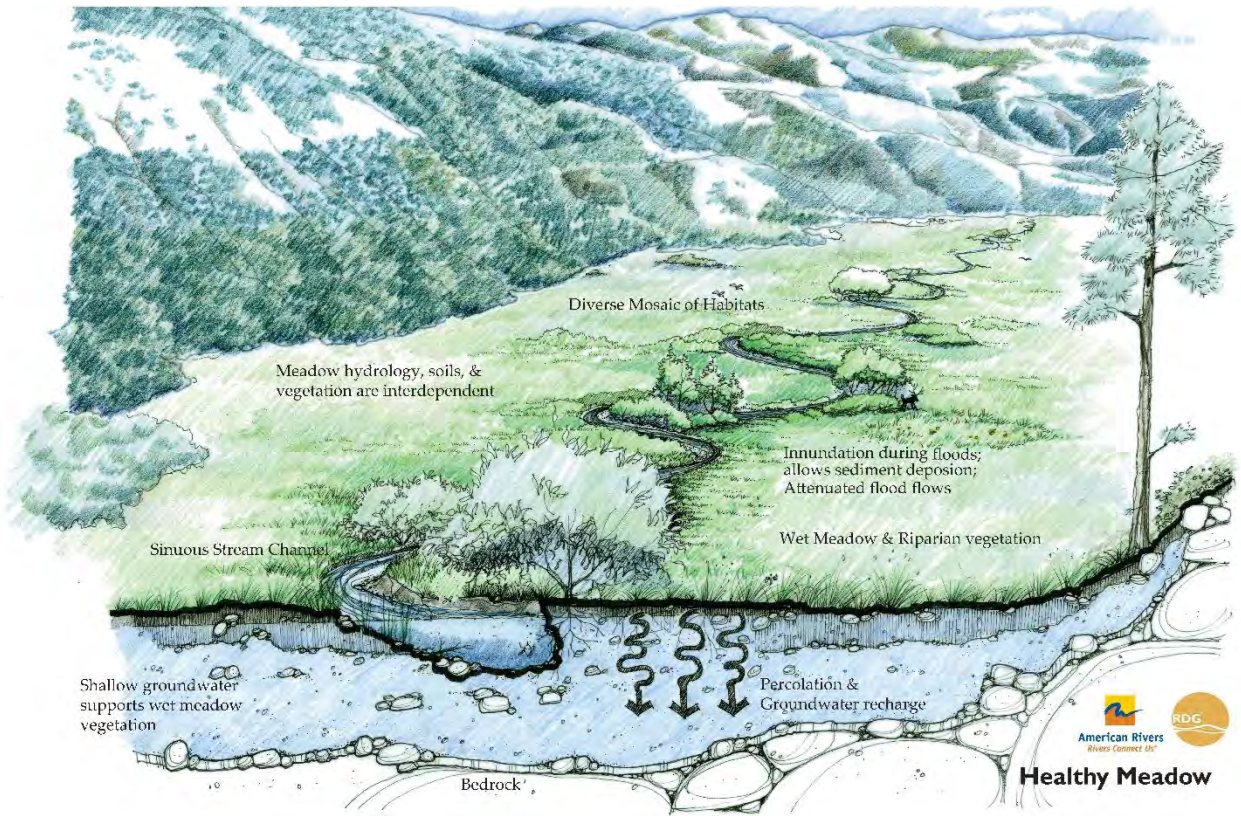


Restoration Goals:

- slow water loss through runoff
- stop excess soil erosion
- reverse habitat conversion



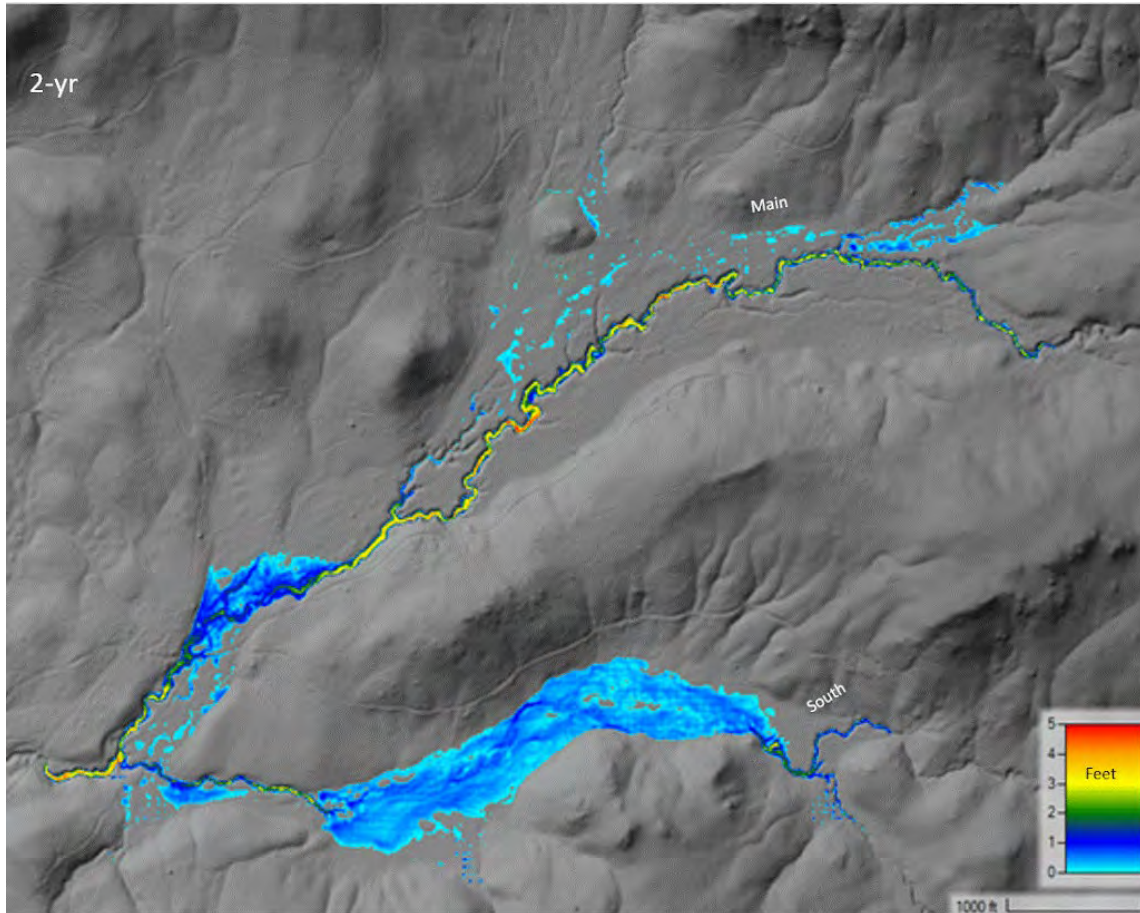
Unhealthy Meadow



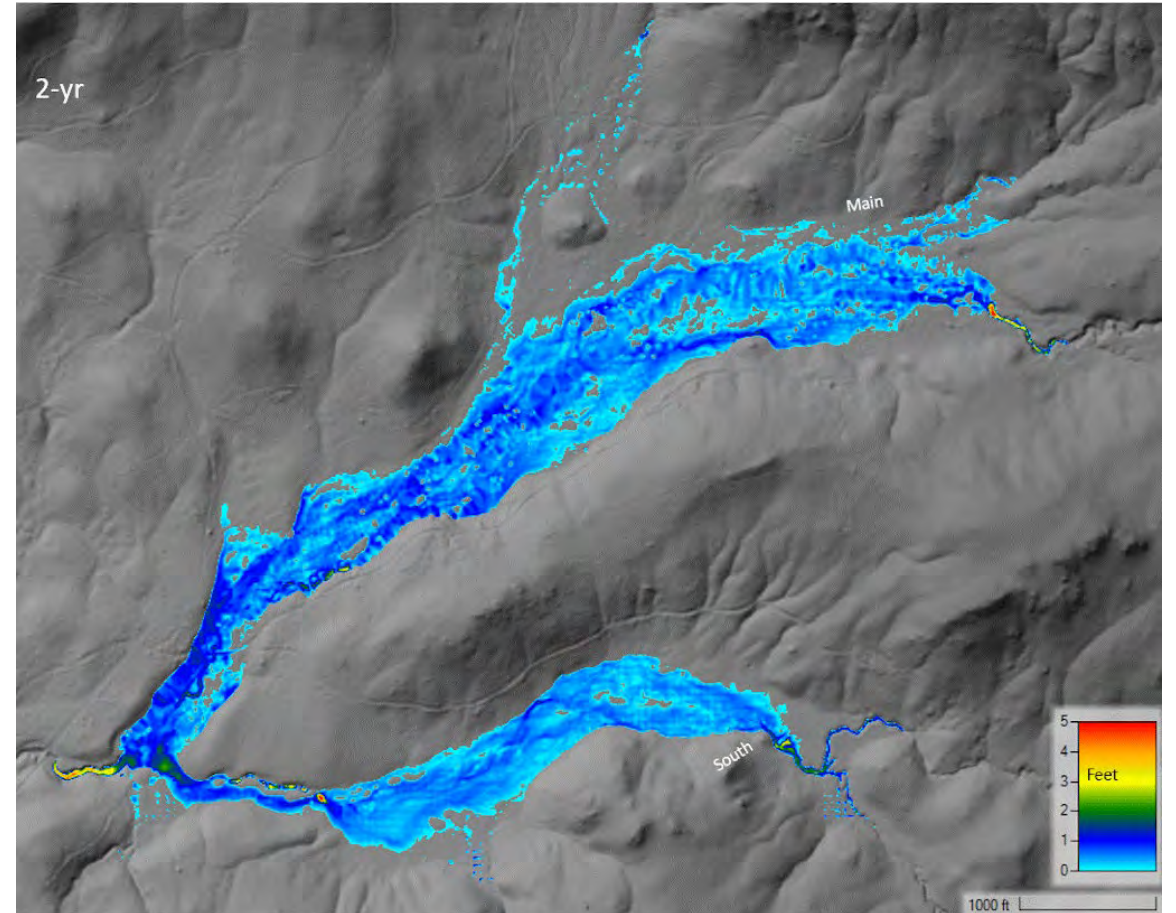
Healthy Meadow

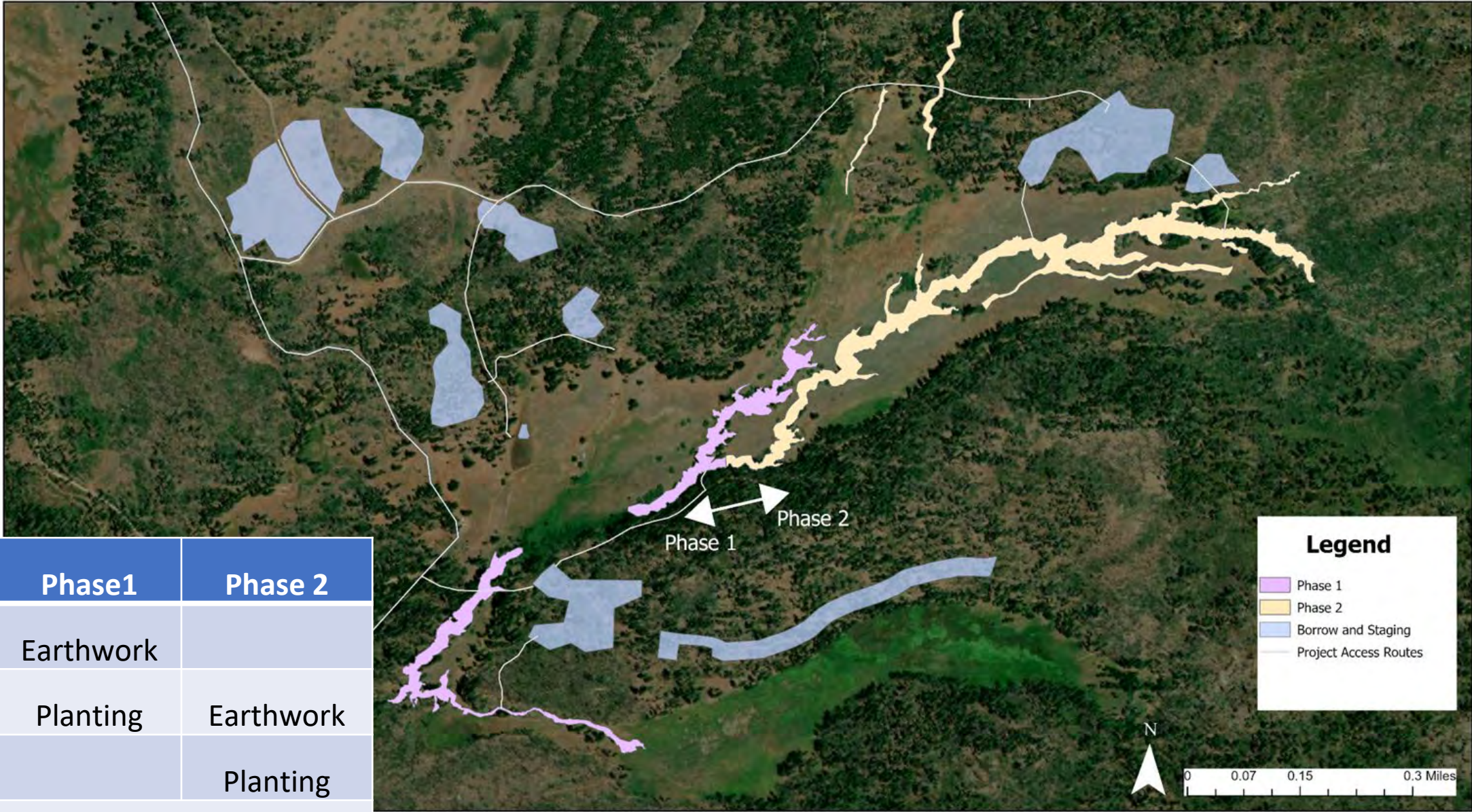
Hec-Ras Models of 2-100 year Floods

Pre-Restoration



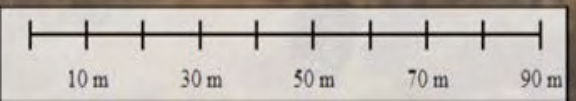
Post-Restoration





Year	Phase1	Phase 2
2023	Earthwork	
2024	Planting	Earthwork
2025		Planting
2025-2035	Long-term Monitoring	

2023 Post Phase 1 LiDAR of Main Ackerson North Arm



Main Ackerson Channel Before & After



South Ackerson Channel Before & After



Phase 1 Revegetation April-May 2024





Radio-tagged NW pond turtle



Soil/carbon sampling



Bat Acoustic Recording Unit



Groundwater monitoring



Vegetation monitoring



Bird banding

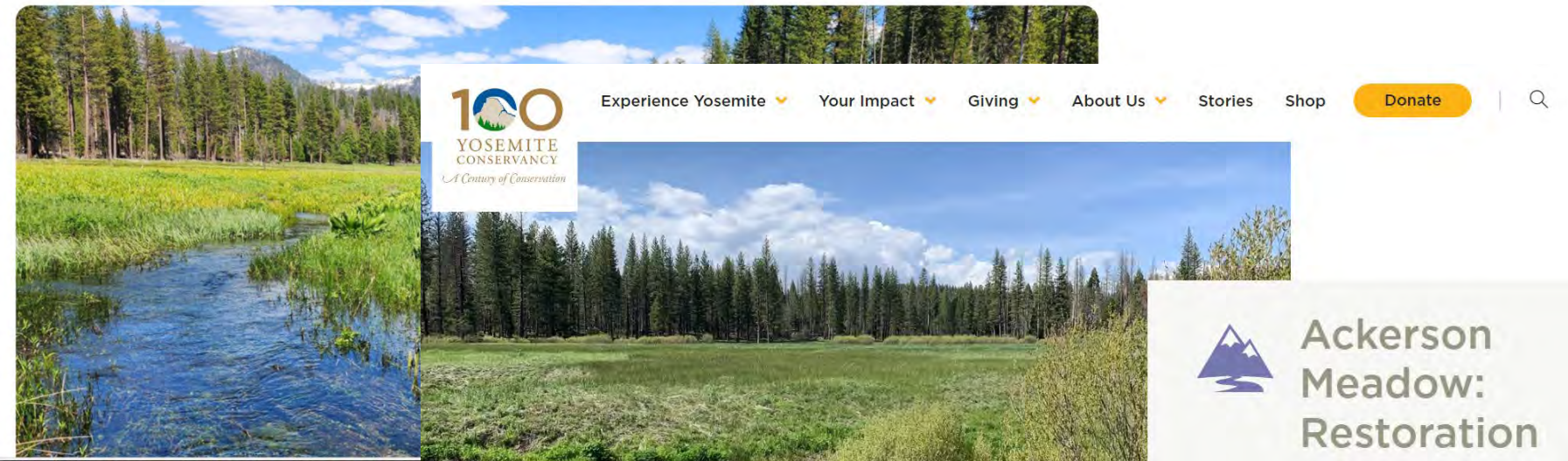


To learn more visit:

[Ackerson Meadow Restoration Project - Yosemite National Park \(U.S. National Park Service\) \(nps.gov\)](https://www.nps.gov/ackerson/)

[Ackerson Meadow Restoration Project \(americanrivers.org\)](https://www.americanrivers.org/ackerson/)

Ackerson Meadow Restoration Project



Additional Links:

[Ackerson Meadow: Restoration Planning — Yosemite Conservancy](#)

[Restoring Ackerson Meadow - USFS](#)



Thank you!



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CONSERVANCY.**

