

# Revegetating the Bill Williams Refuge: A Discussion on Habitat Restoration

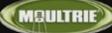
E. Seavey

Wildlife Biologist

Bill Williams River NWR

[emilie\\_seavey@fws.gov](mailto:emilie_seavey@fws.gov)

# Why am I here?



08 / 14 / 2019 03 : 40 PM 104°F

# Bill Williams River National Wildlife Refuge

*A “... refuge and breeding ground for migratory birds and other wildlife ...”  
(Executive Order 8647)*



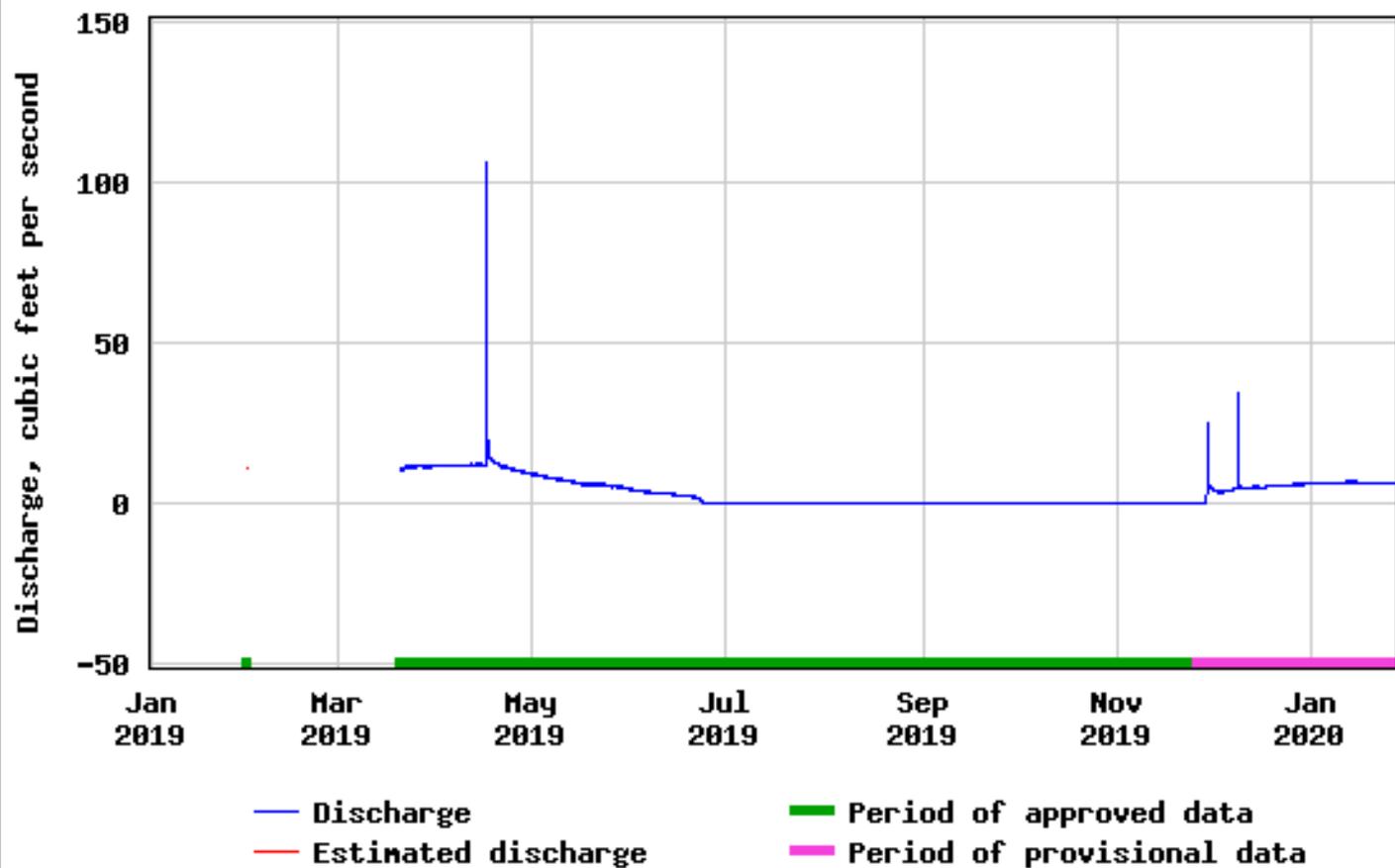
# The Challenge...



E. Seavey/USFWS 2019



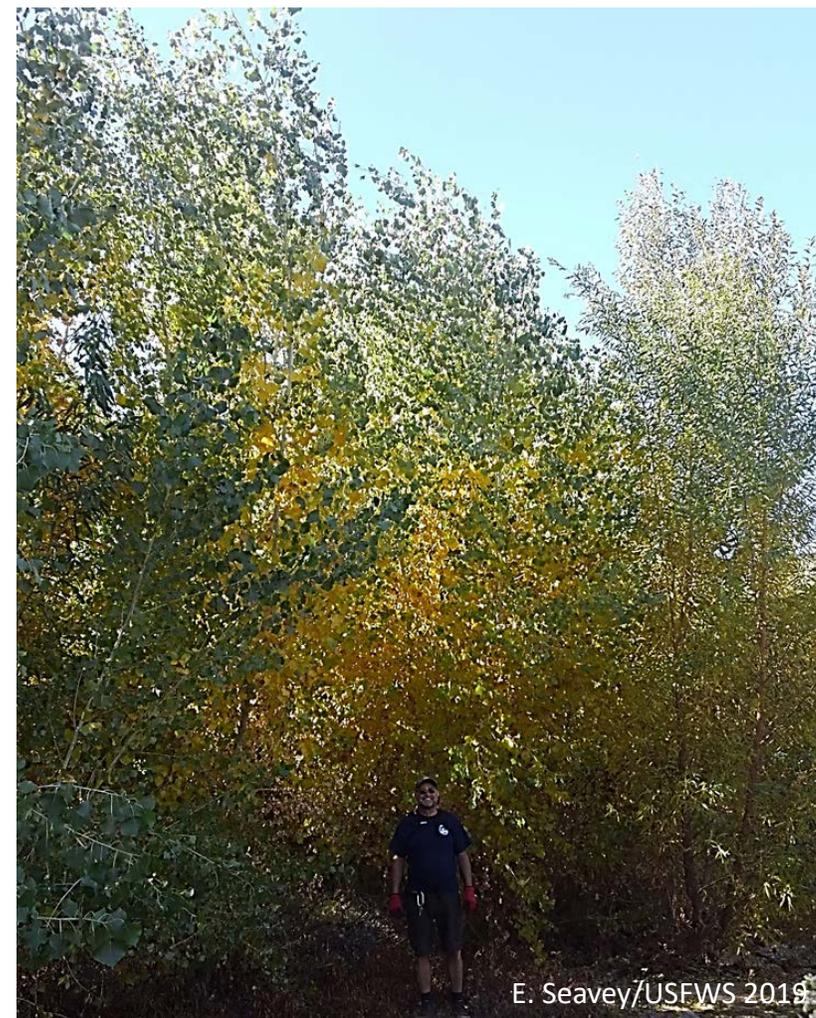
### USGS 09426620 BILL WILLIAMS RIVER NEAR PARKER, AZ



Source: [https://waterdata.usgs.gov/az/nwis/uv/?site\\_no=09426620&PARAMeter\\_cd=00065,00060](https://waterdata.usgs.gov/az/nwis/uv/?site_no=09426620&PARAMeter_cd=00065,00060)

# The Objective: Habitat Enhancement and Restoration

Within 10 years, restore 60 acres of native mesic (cottonwood, willow) and xeric (mesquite, palo verde, ironwood) habitat types dominant and other woody species subdominant, resulting in a mosaic of mixed age class stands that can support high biodiversity in the river corridor through time.



# Current Project Planning

- Enhanced access and fire management
- Bosque restoration
- Floodplain restoration

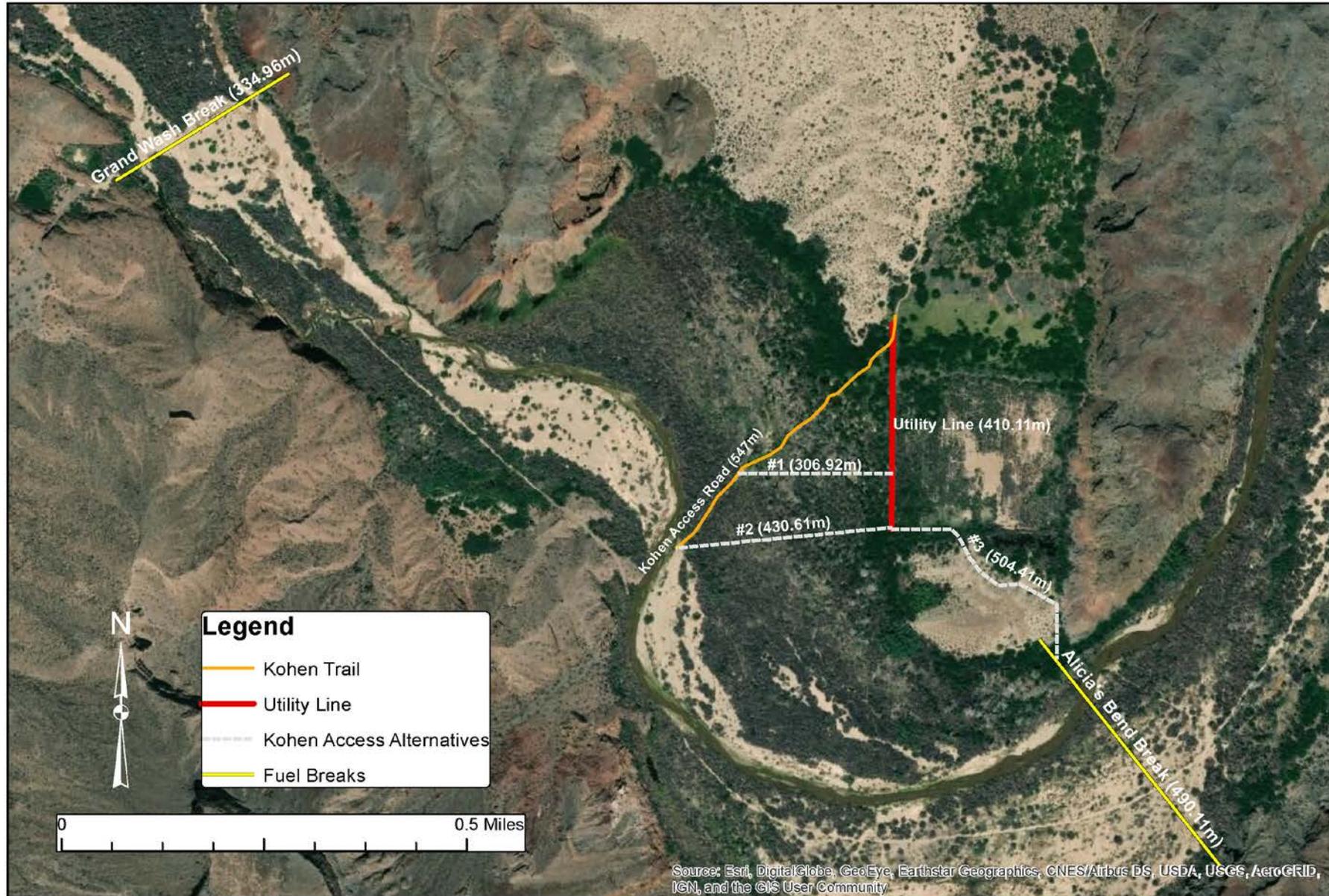


E. Seavey/USFWS 2018

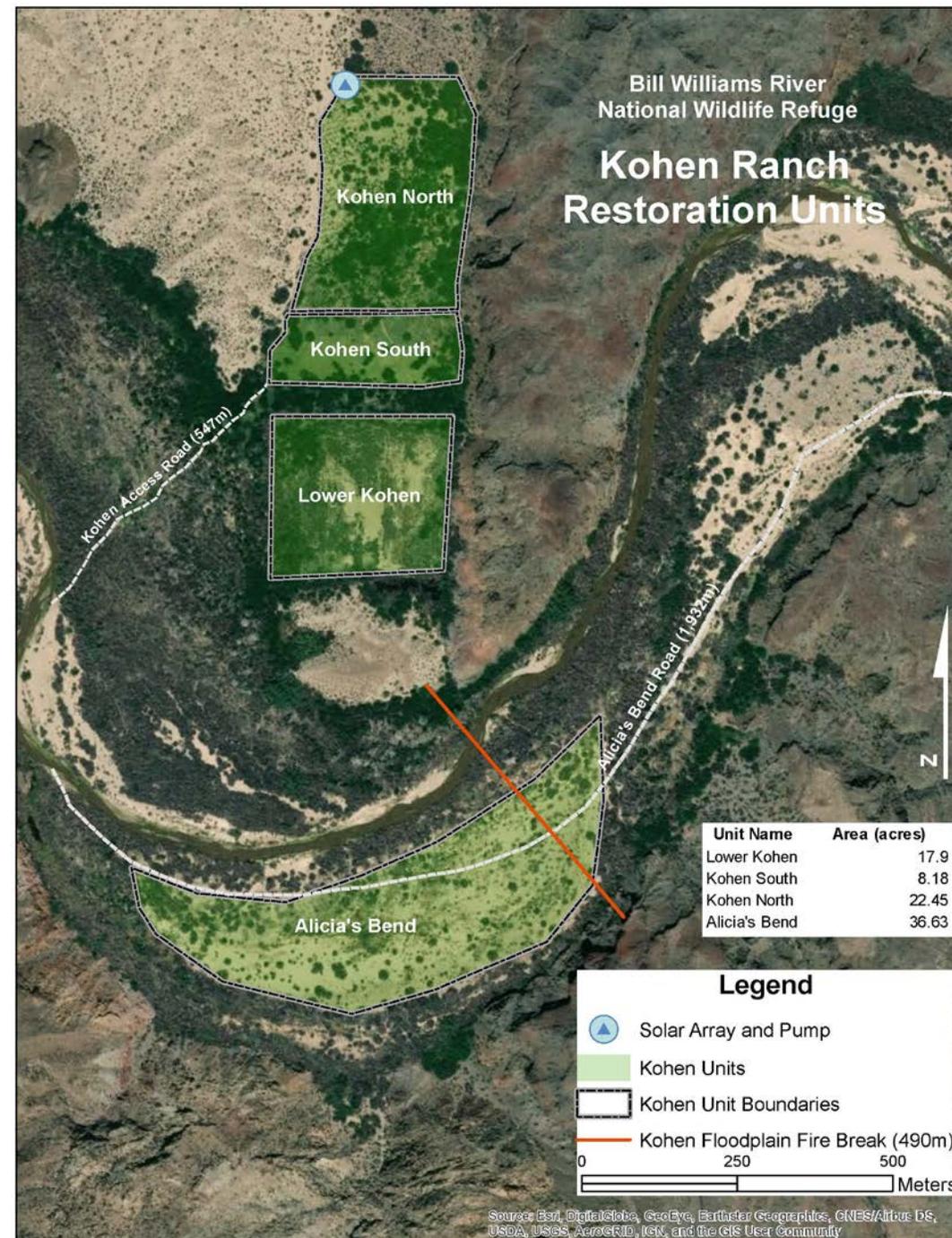


# BWR Fuel Breaks and Access Points

Prepared by: E. Seavey  
17 January 2020



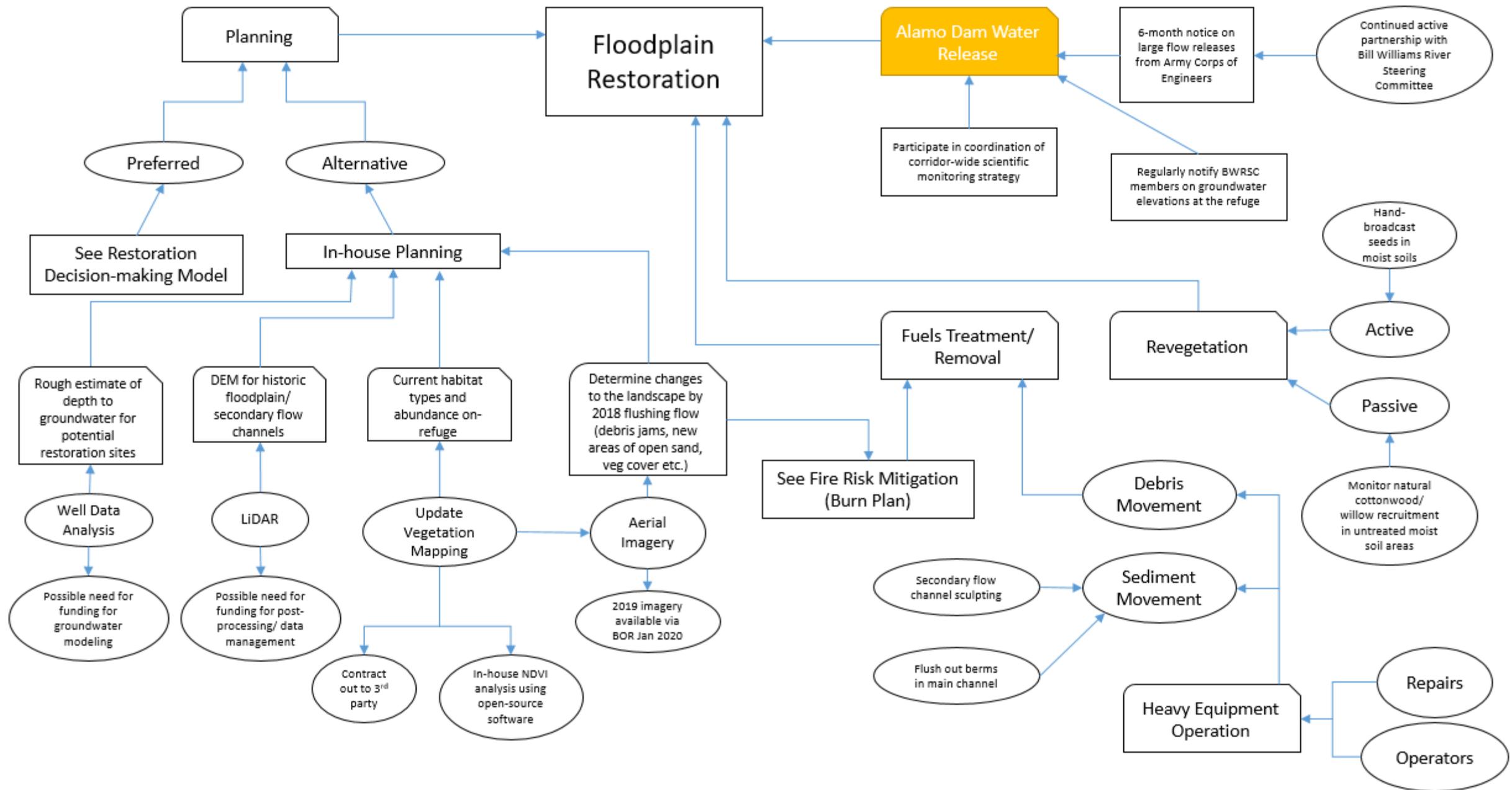
# Mesquite Bosque Restoration



# Floodplain Restoration

Objective: By 2029 enhance 500 meters of historic secondary channels to widen and promote channel change in floodplain from Kohen Ranch through Mineral Wash for passive riparian regeneration.





# Considerations Moving Forward

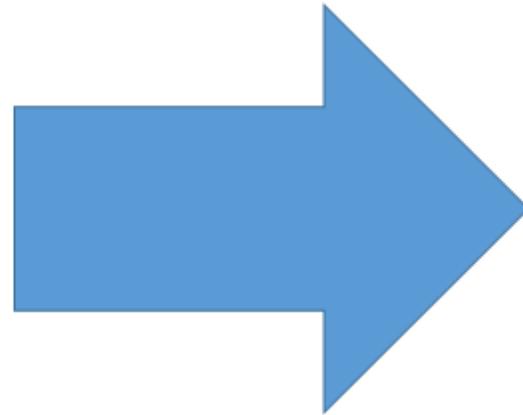
Water Data

Geospatial Data

Anecdotal Knowledge

Organismal Survey Data

Scholarly Work



**Habitat  
Restoration**

Questions, comments, thoughts, [constructive] criticism, and feedback are always welcome!

[emilie\\_seavey@fws.gov](mailto:emilie_seavey@fws.gov)

Bill Williams River NWR

60911 HWY 95, Parker, AZ 85344

Office: (928) 667-4144 x122

Cell: (760) 401-2525