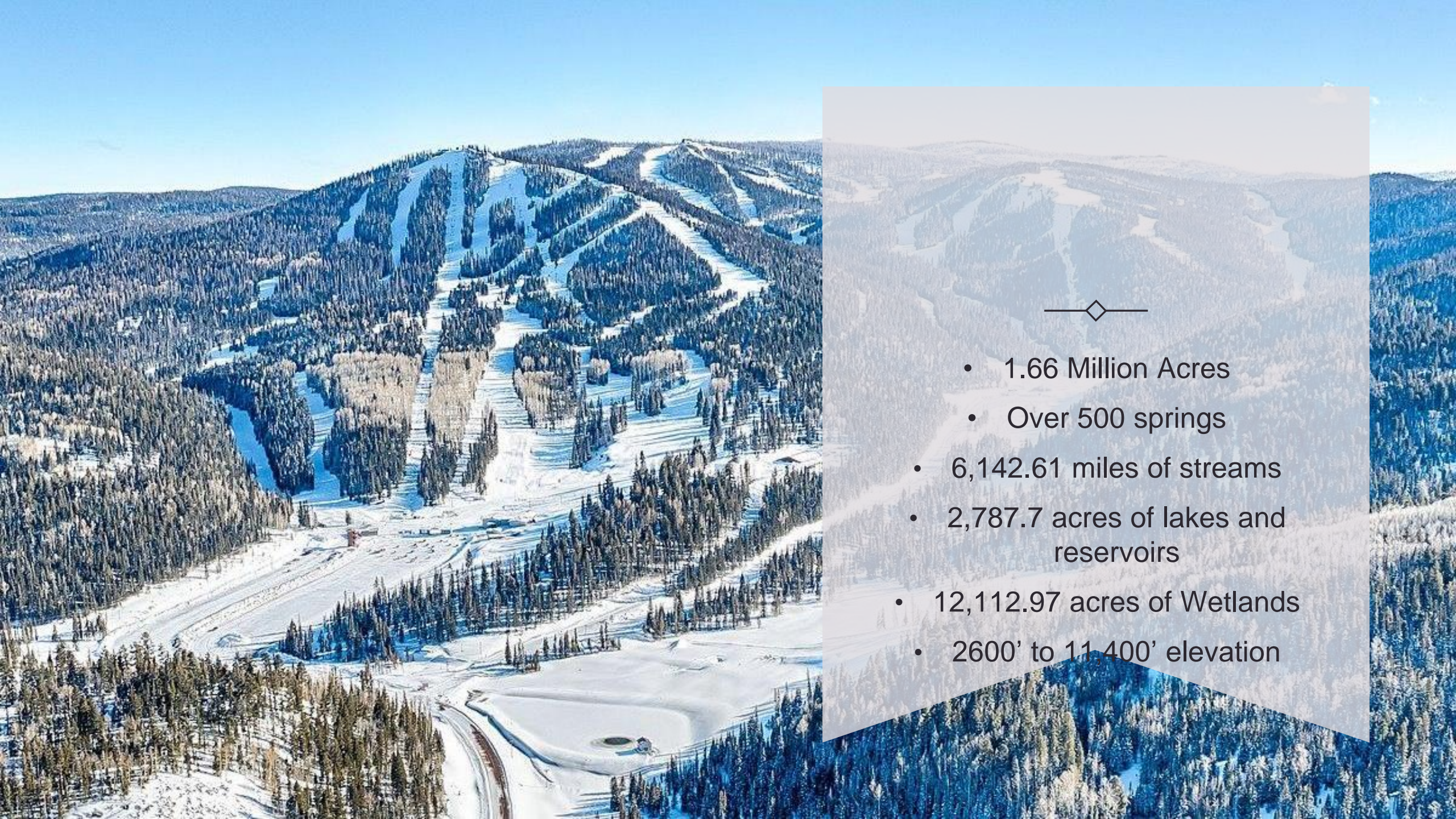




WHITE MOUNTAIN APACHE



Water Resources



- 1.66 Million Acres
- Over 500 springs
- 6,142.61 miles of streams
- 2,787.7 acres of lakes and reservoirs
- 12,112.97 acres of Wetlands
- 2600' to 11,400' elevation

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The People

-15,500 residence

-about 18,000 Tribal Members





Tribal Council



Planning Department



Water Resources

Environmental Protection Office

Tribal Forestry

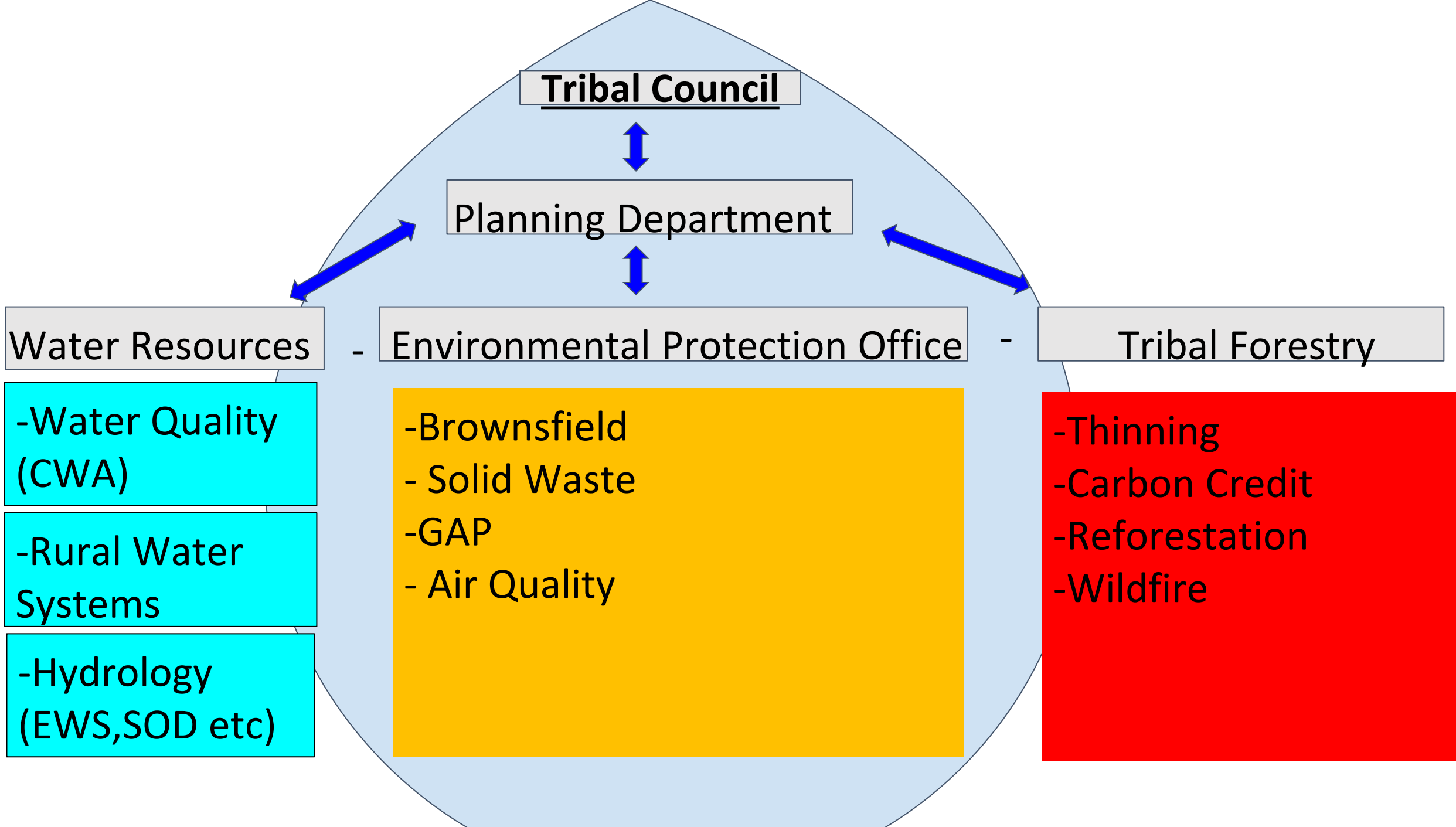
-Water Quality
(CWA)

-Rural Water
Systems

-Hydrology
(EWS,SOD etc)

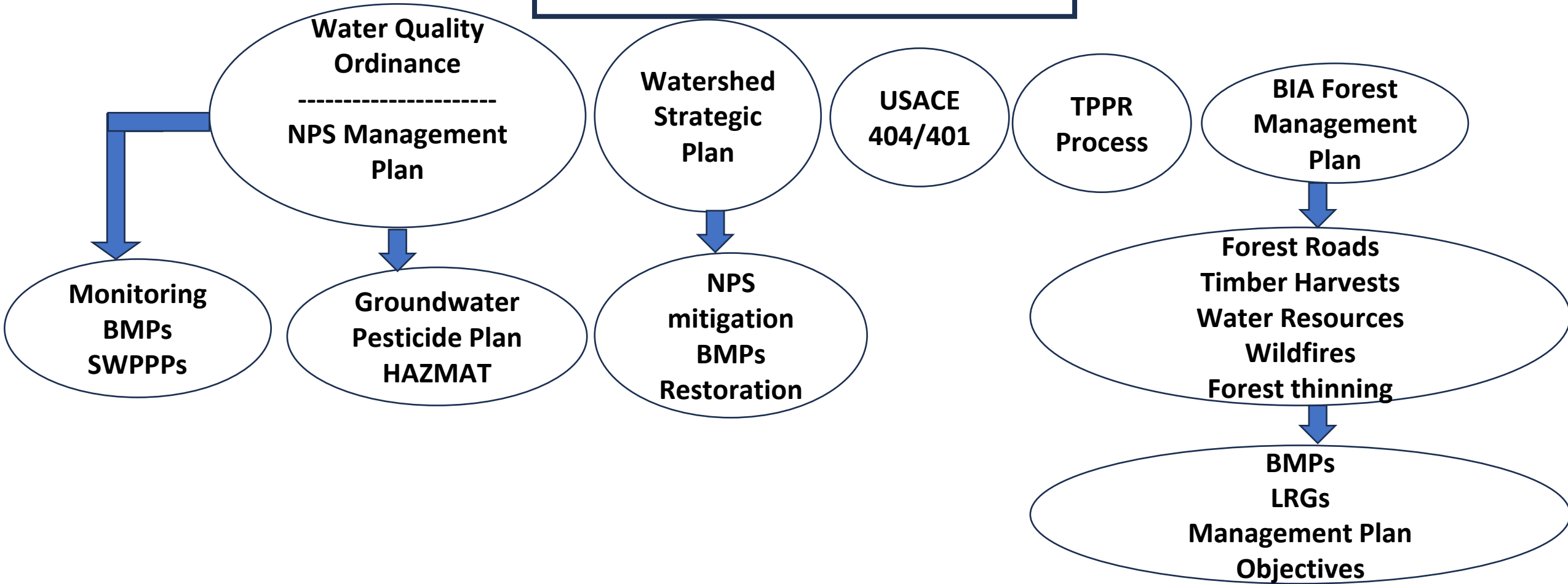
-Brownsfield
- Solid Waste
-GAP
- Air Quality

-Thinning
-Carbon Credit
-Reforestation
-Wildfire

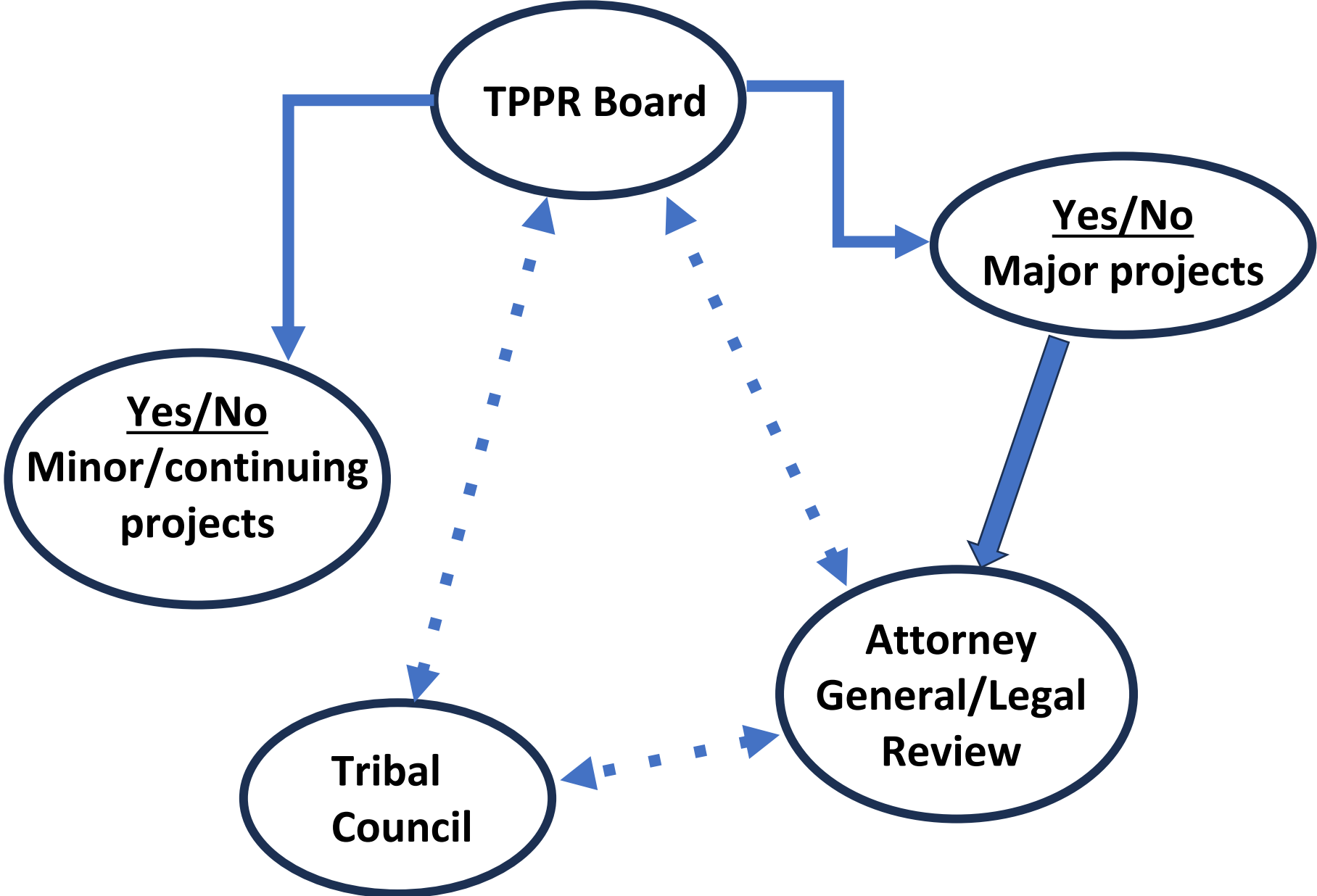


POLICIES

Source water protection



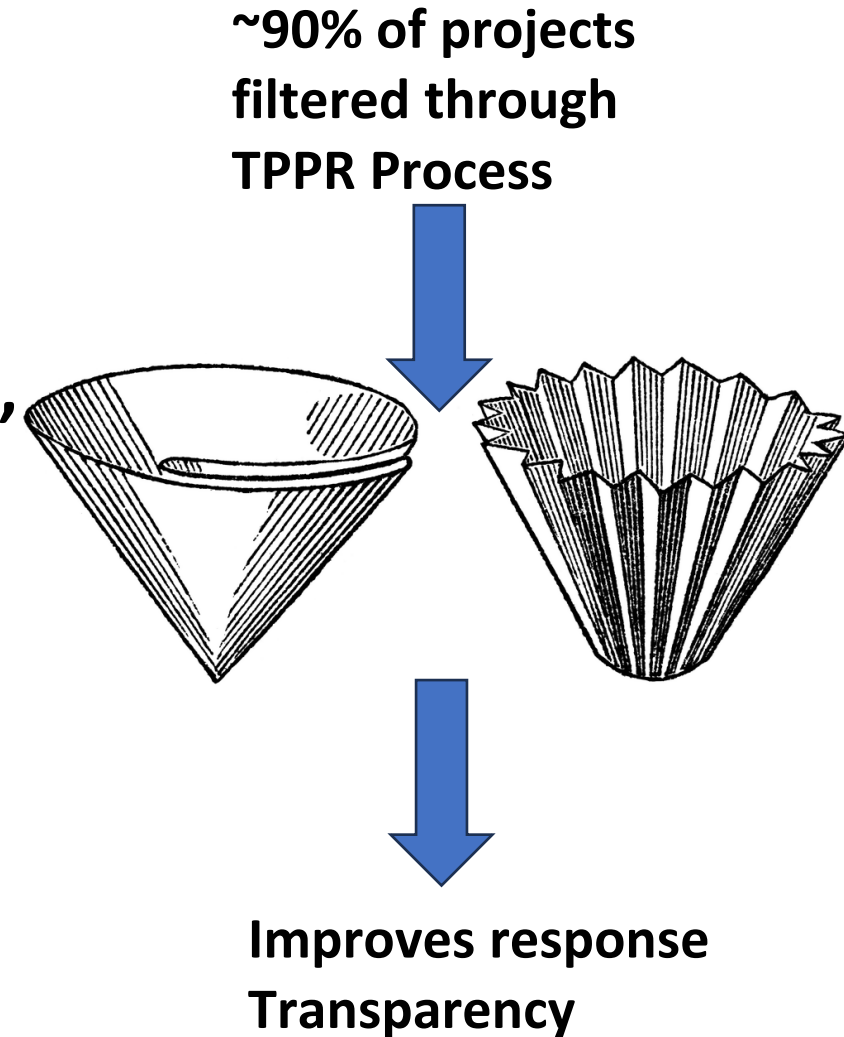
TPPR PROCESS



TPPR

Tribal Plan & Project Review or TPPR

- Established in 1996 ☐ process recommended by tribal elders
- Streamlines tribal project review process
- Board consists professionals and representatives:
 - ☐ Natural Resources (forestry, water resources, Game and fish, etc)
 - ☐ Cultural Resources
 - ☐ Legal (Attorney General, Legal, Realty, etc)
 - ☐ Public Works, Utilities
 - ☐ Public Safety Representative
 - ☐ Local federal agencies (IHS, BIA, etc)





Source Water Protection Activity: BMPs



Source Water
Protection
Activity/Forest
Management
Plan: BMPs



Source
water
protection:
USACE
404/401



Watershed Strategic Plan: Restoration



May 2022



Late June 2022



Late July 2022

Watershed Strategic Plan: Monitoring

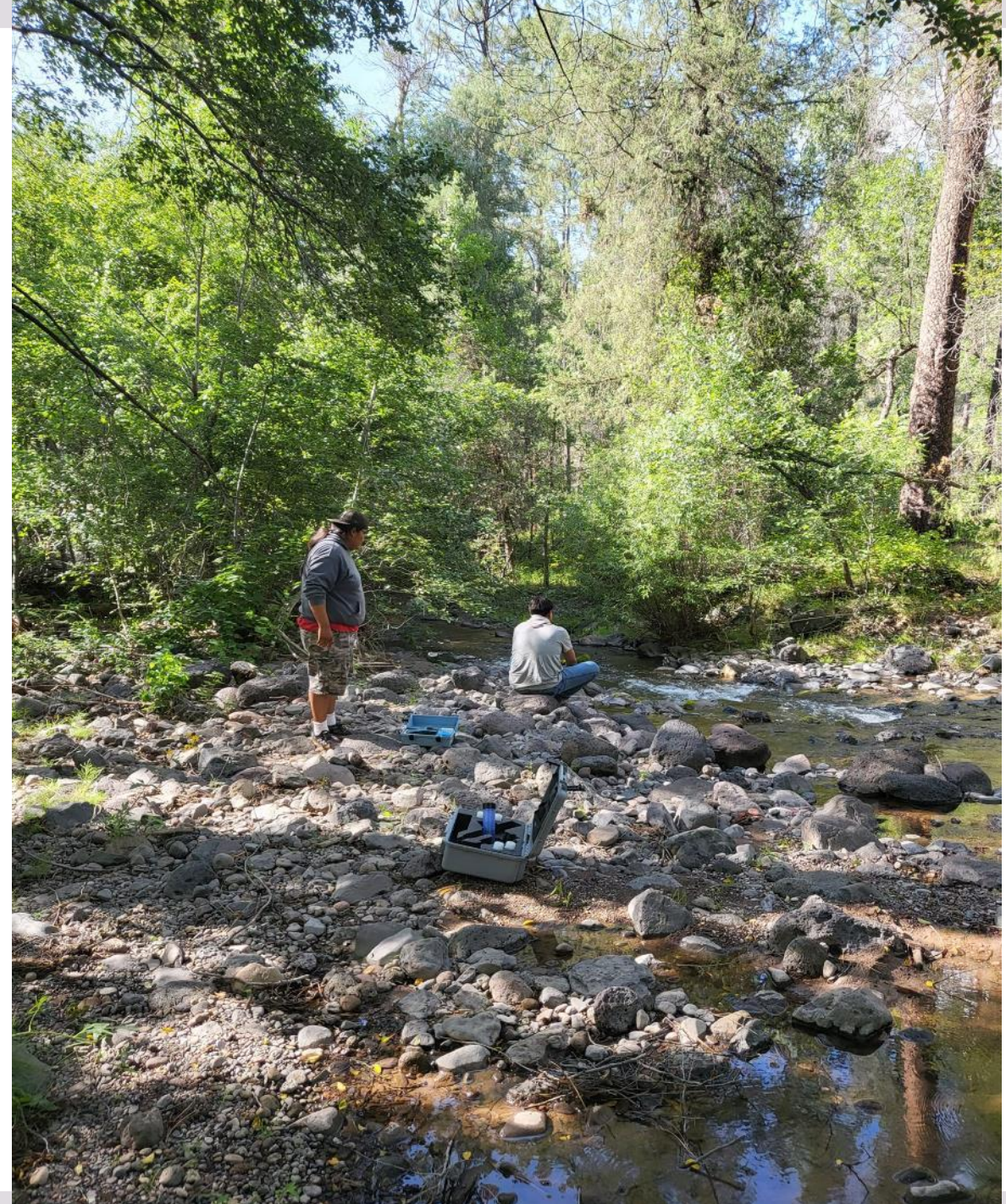
PFC assessments complemented program objectives/goals by:

- “Defining the issue(s) that needs to be addressed”
 - “Determine appropriate monitoring”
 - “Assist w/determining appropriate management practice”
 - “Determine habitat and reach potential
 - “Repeatable and universal assessment method”
-



Water Quality Monitoring

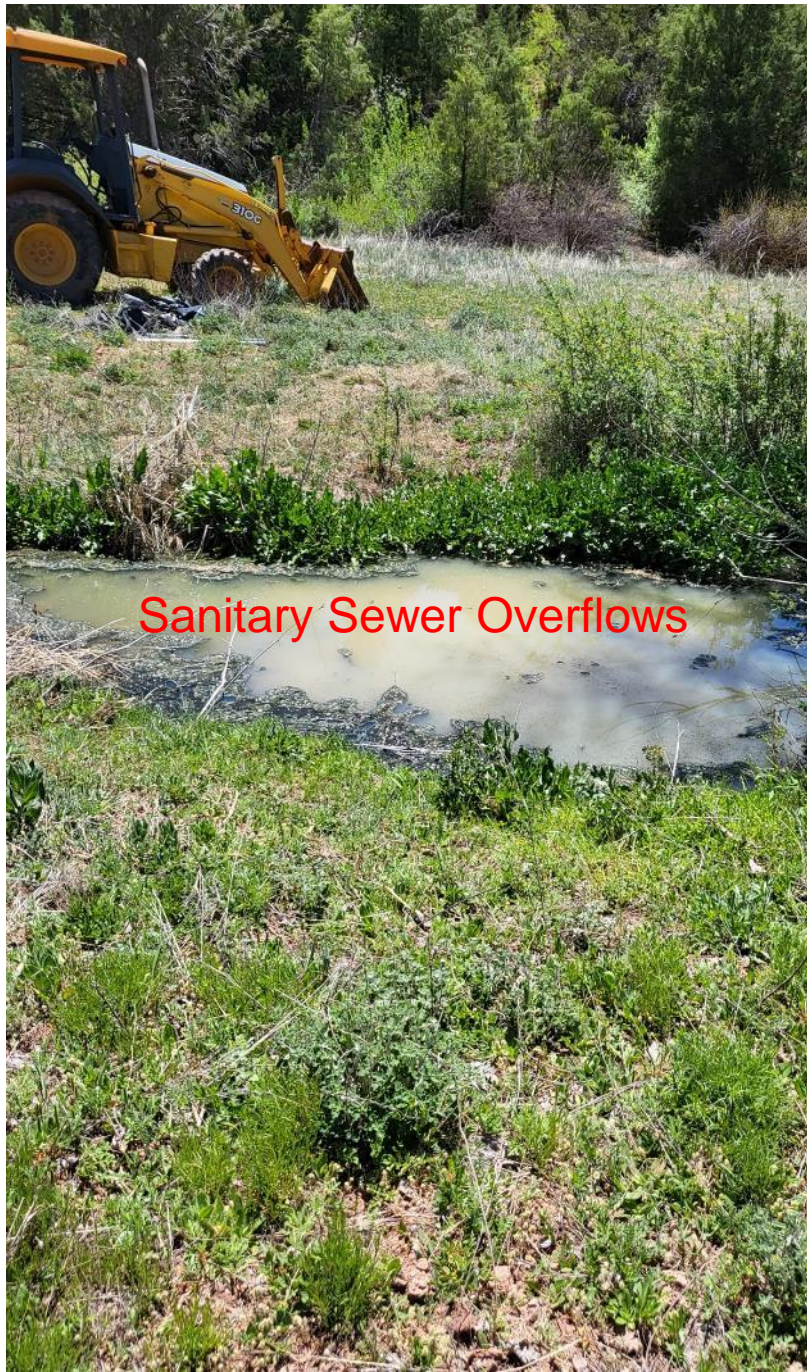
- Temperature, Dissolved Oxygen, Turbidity, Conductivity, pH, Nitrogen, Phosphorous, E. Coli, Total Algae
- Continuous Temperature Loggers
- Benthic Macroinvertebrate
- Fish Tissue
- Metals



Pesticides

- Groundwater Pesticide Management Plan
- TPPR
- Monitor





401

- Water Quality Standards
- Environmental Code Chapter 3





NPDES

- 8 NPDES permits
- Construction General Permit





Wildfires





Resource Advising

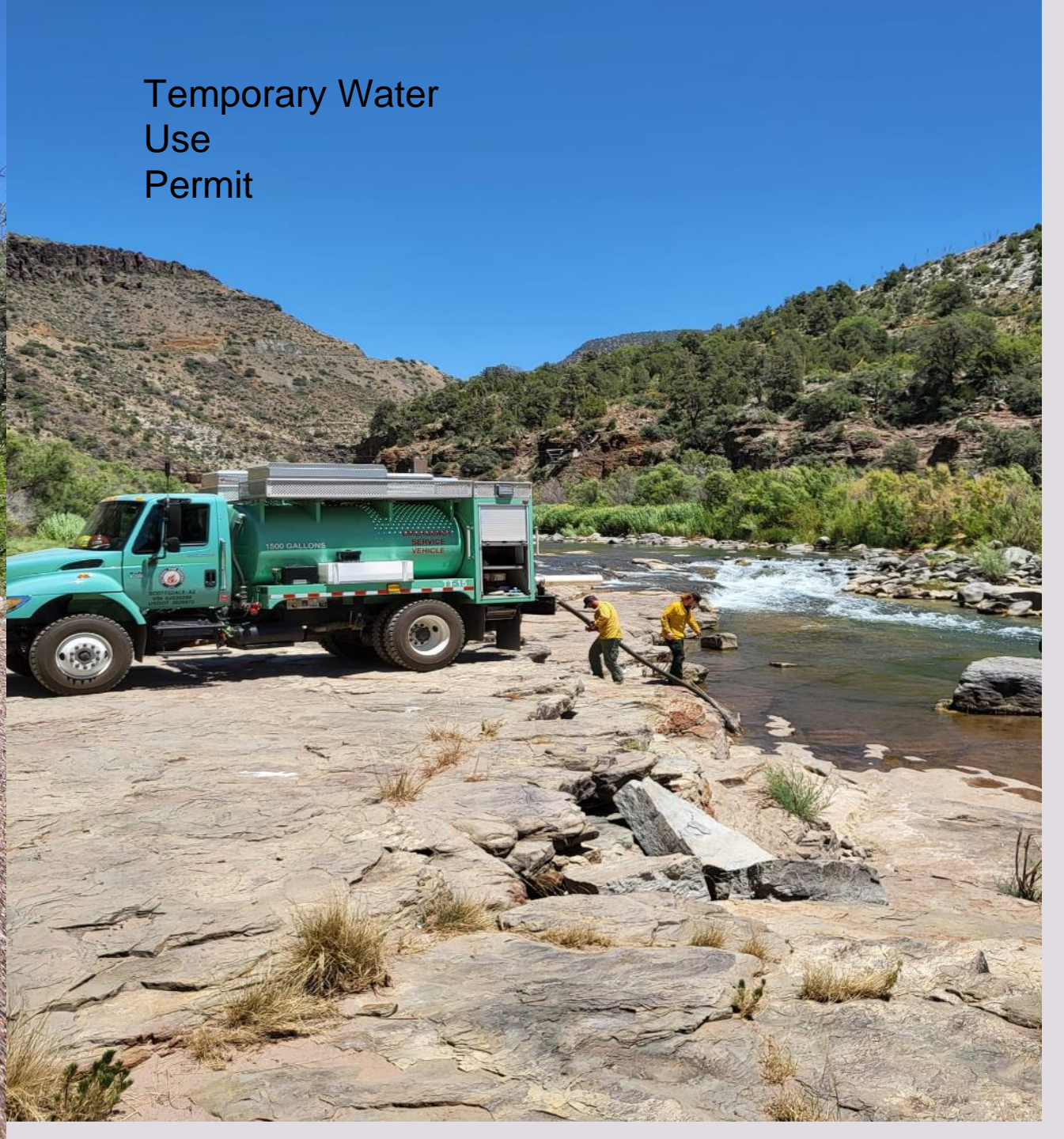






Emergency Response

Temporary Water
Use
Permit



WMAT 2024



Invasive Species

US 60



Legend

- | | | | |
|--|-------------------|--|------------------|
| | Leafy Spurge | | Diffuse Knapweed |
| | Sunflower - HEAN3 | | Musk Thistle |
| | SALSO | | Russian Knapweed |
| | KOSC | | Camelthorn |
| | Bull Thistle | | Scotch Thistle |



Outreach

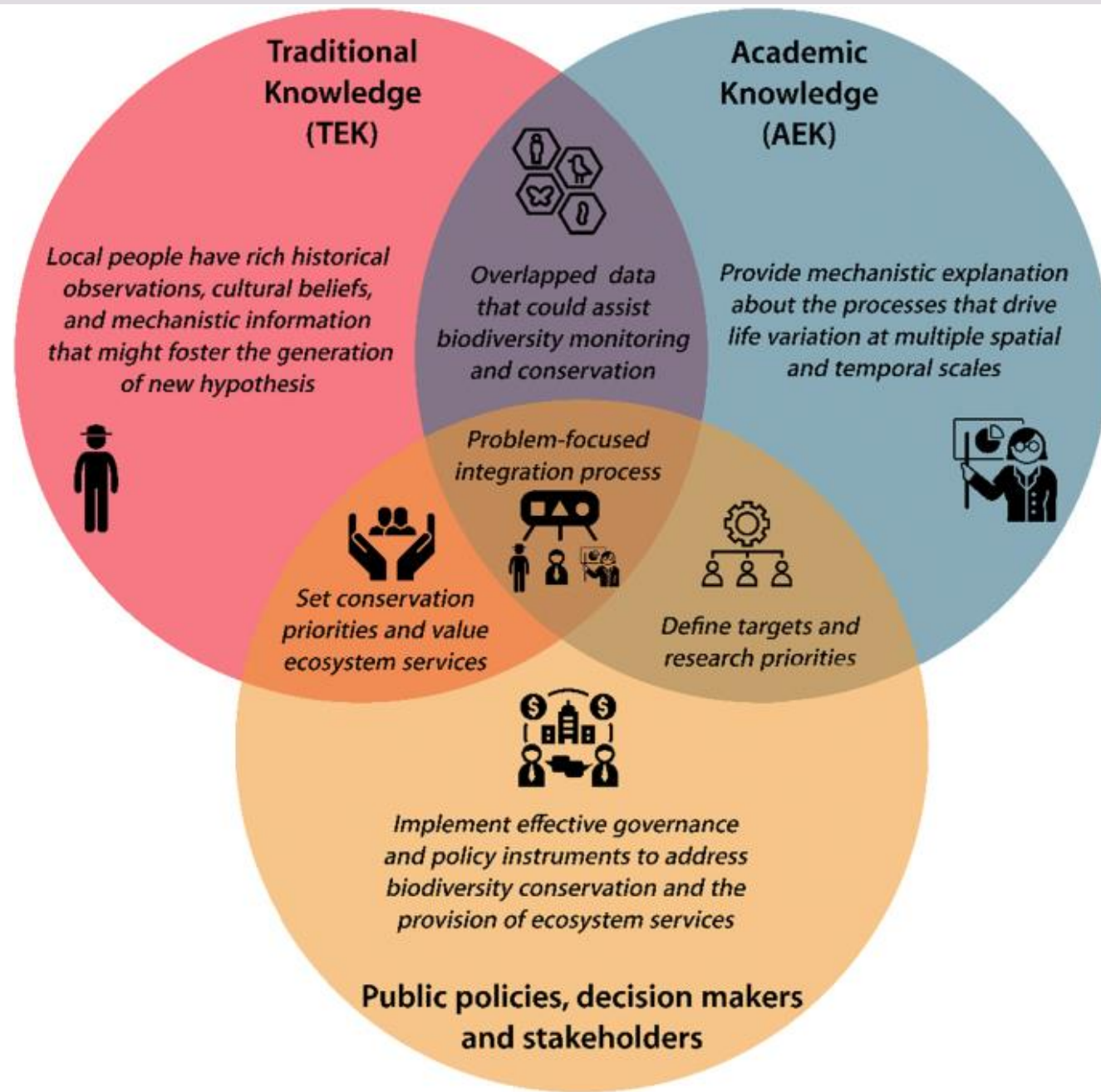


Grant Writing



Triannual Review and QAP







Lessons Learned

- Wholistic Approach
- Communication and rapport building
- Documentation
- Having Clear Goals and Objectives
- Stay Up to Date on Policies
- Be Flexible



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