

2020 Summer Regional Tribal Operations Committee Meeting Arizona Breakout Session Wednesday, August 12, 2020 Virtual via MS Teams



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Meeting Outcome & Agenda

Outcome goals: For tribes to come away with an understanding of Arizona's Nonpoint Source (NPS) program and the state's priorities, as well as, provide feedback on ADEQ's NPS Five Year Plan. For EPA Region 9 and ADEQ to better understand tribal perspective on how the Five-Year Plan affects tribal neighbors and how to identify partnership opportunities.

1. Introductions – 5 min (Everyone)

2. Purpose – 2 min (EPA)

3. Presentation: Summary and highlights of Arizona's NPS Five Year Plan – 30 min (EPA & ADEQ)

Discussion – 20 min (Everyone)

Clean Water Act (CWA) Tools for Watershed Protection and Restoration

Assess

Establish WQ Standards
and Beneficial Uses
CWA 303 (c)

Monitor and Assess
CWA 106 (\$)

State WQ Report
CWA 305 (b)

Impaired Waters List
(where and what)
CWA 303 (d)

TMDLs
establish goals, identify
pollutant loads + sources
CWA 303(d)

Planning
(How to restore/protect)
CWA 319, CWA 104 (b)(3)

Restore & Protect

Wetlands Regulatory
Permits (dredge and fill)
CWA 404

NPDES Permits
(regulatory stormwater,
industrial, wastewater
discharges)
CWA 402

State Revolving Fund
CW SRF (\$\$\$\$)

**Nonpoint
Source Program
CWA 319 (\$)**

National Estuary
Program
CWA 320

Geographic Programs
SFBWQIF, SNPLMA,
Great Lakes (\$)

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NPS Planning Actions Are Tiered



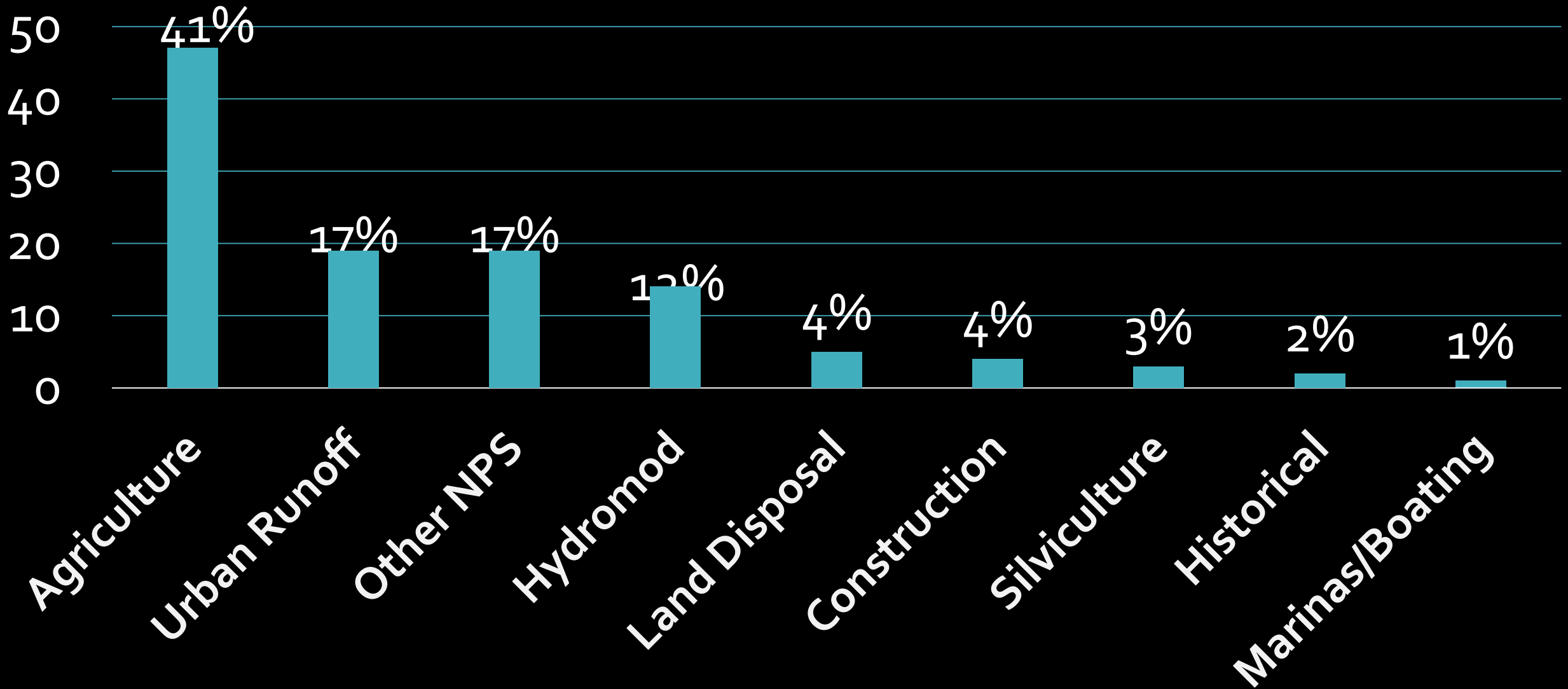
This process allows states to build a flexible approach to solving their unique challenges.

“Key Components of an Effective State NPS Management Program”

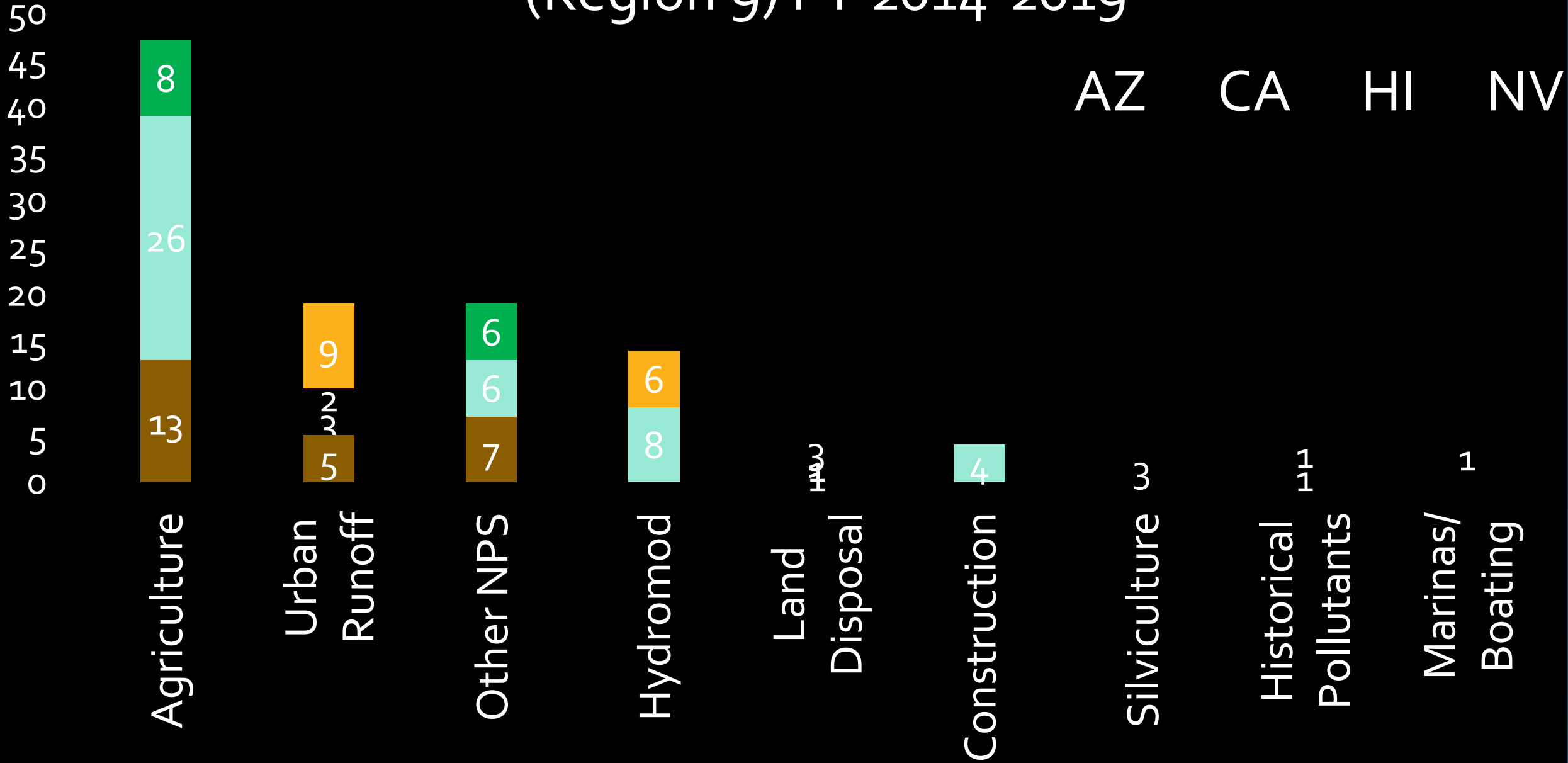
Appendix A to 319 Grant Guidelines, April 2013

| | |
|--|--|
| 1. Explicit short- and long-term goals, objectives, and strategies | 2. Strengthened partnerships |
| 3. Integration of programs | 4. Resource allocation to protection & restoration |
| 5. Identification & Prioritization of waters | 6. Adaptive management to achieve & maintain WQ standards |
| 7. Efficient & Effective Implementation | 8. Review, Evaluation & Revision using measures of success |

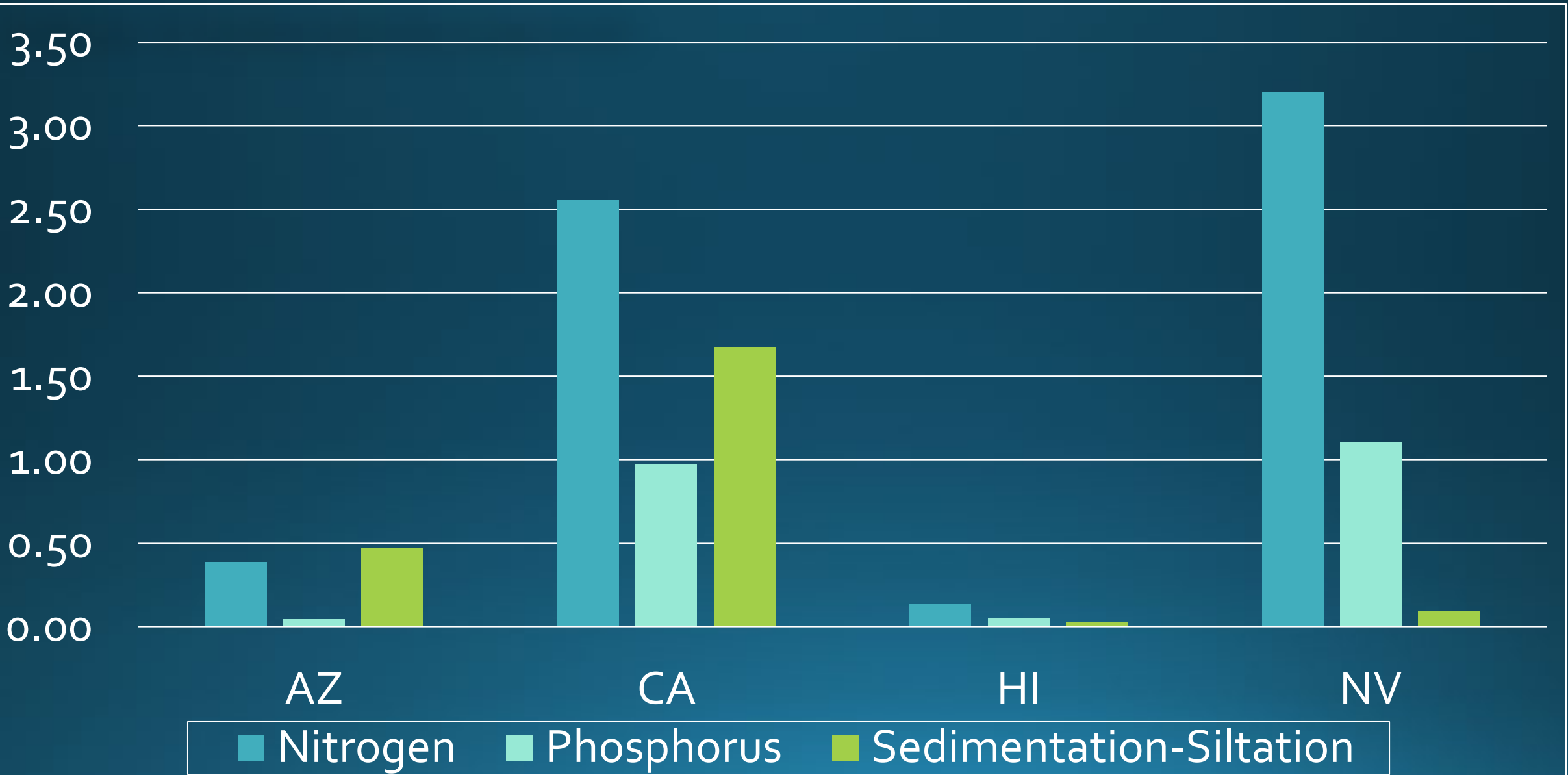
Total % NPS Projects Addressing Sources of Pollution (Region 9) FY 2014-2019



Number of Projects Addressing Source (Region 9) FY 2014-2019



NPS Load Reductions



We Get Results from NPS Investments

| State | #Distinct Success Stories | #Distinct Waterbodies | Impairments Now Meeting WQS |
|---------------------|---------------------------|-----------------------|-----------------------------|
| CA | 12 | 19 | 20 |
| AZ | 3 | 14 | 38 |
| CNMI | 1 | 1 | 1 |
| NV | 1 | 1 | 1 |
| Grand Total: | 17 | 35 | 60 |

Arizona Watersheds
The State of Arizona
Department of Environmental Quality



S NPS



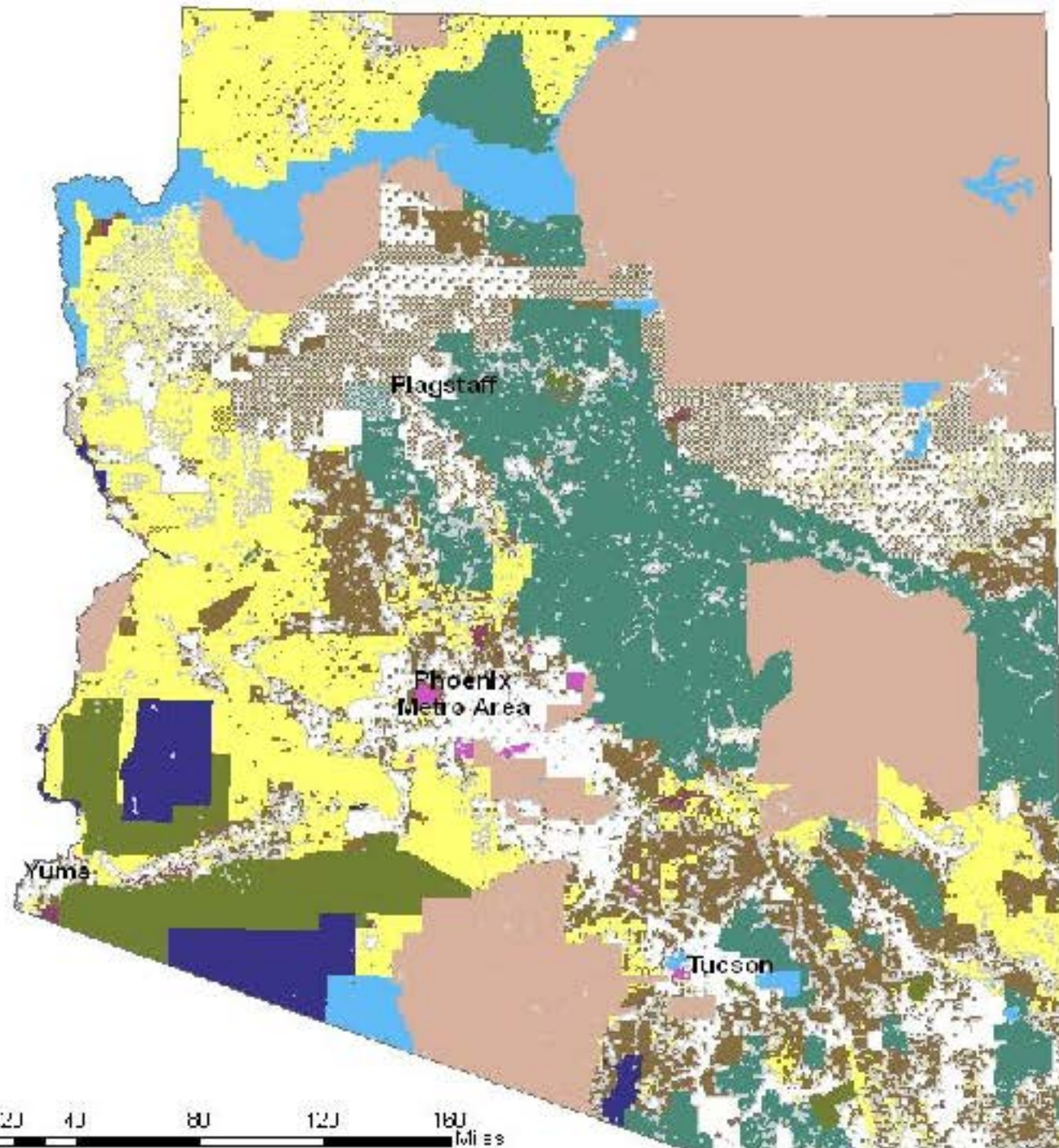
Arizona Land Ownership

Legend

| | |
|---|---------------------|
|  | Arizona |
|  | Bureau of Land Mgmt |
|  | Forest Service |
|  | Indian Reservation |
|  | Local or State Park |
|  | Military |
|  | National Park |
|  | Other |
|  | Private |
|  | State Trust |
|  | Wildlife Refuge |

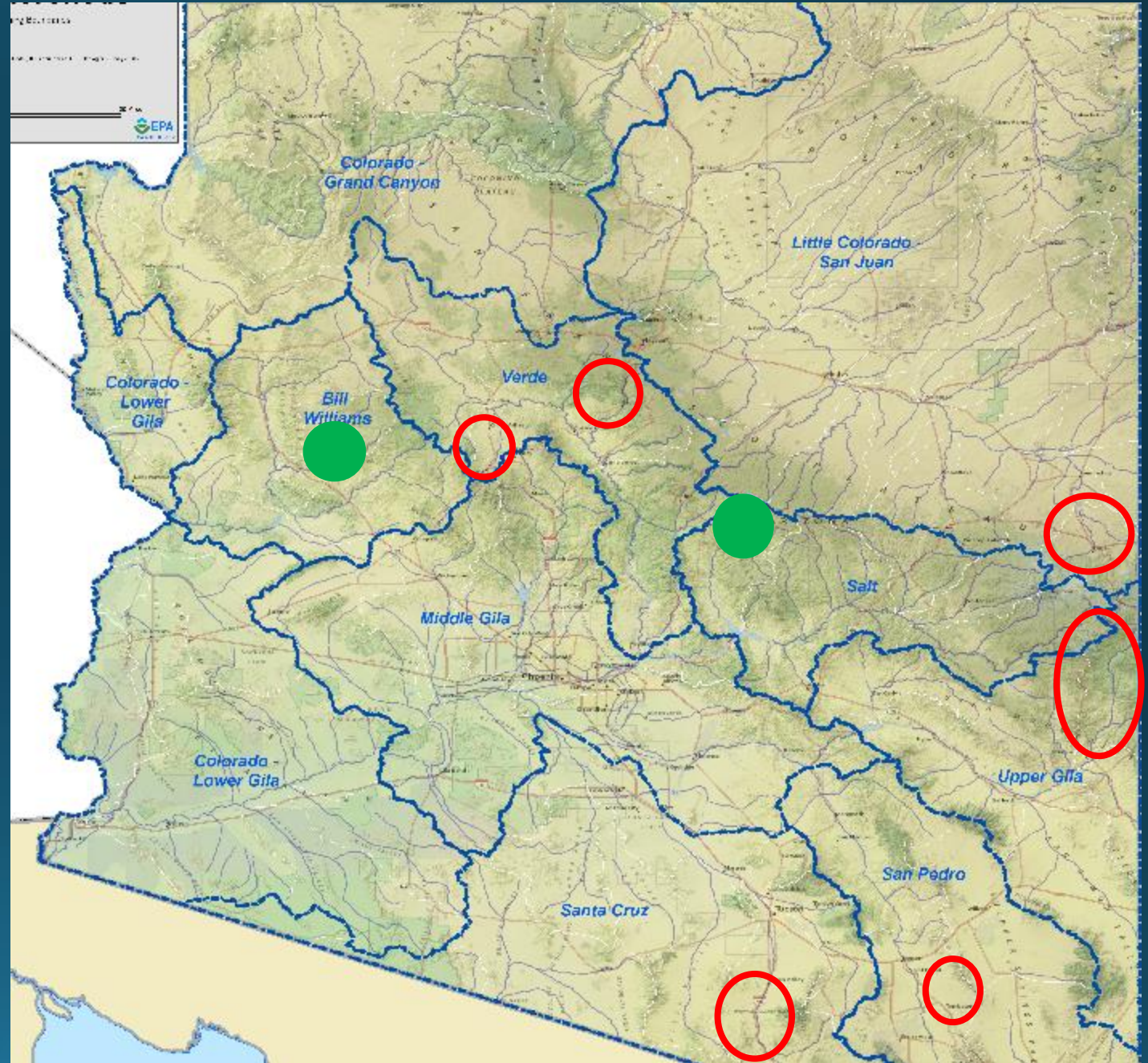


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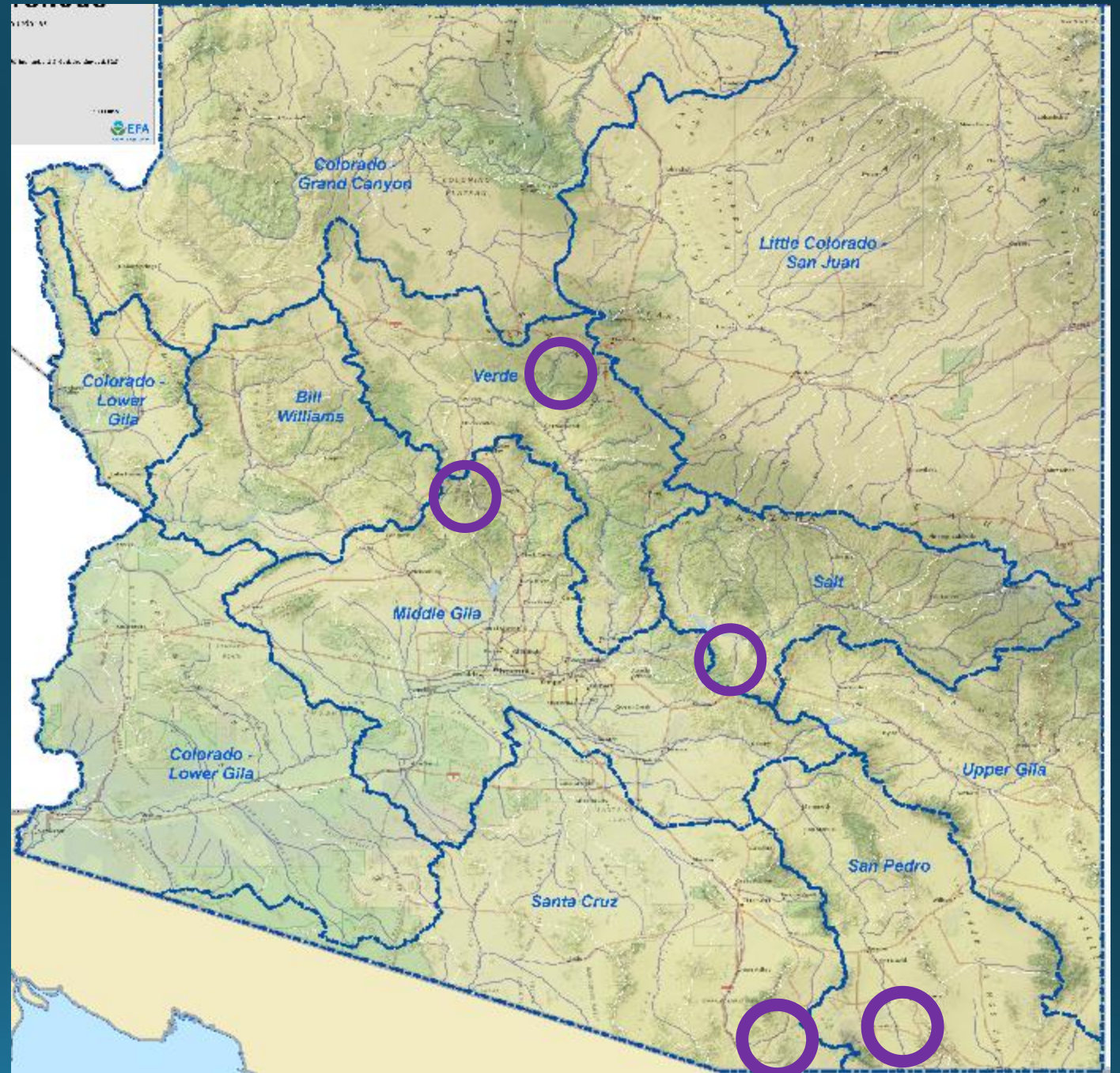
AZ's Targeted Watersheds 2014 to 2019

- 8 targeted watersheds
- 2 have shown water quality improvements and have ,or will be, delisted



Targeted Watersheds 2020 to 2025

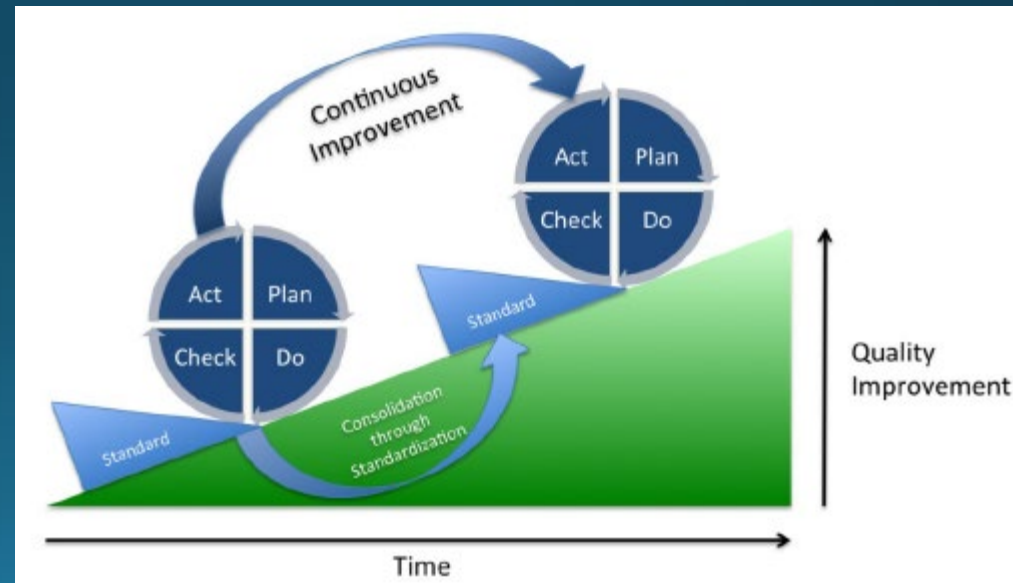
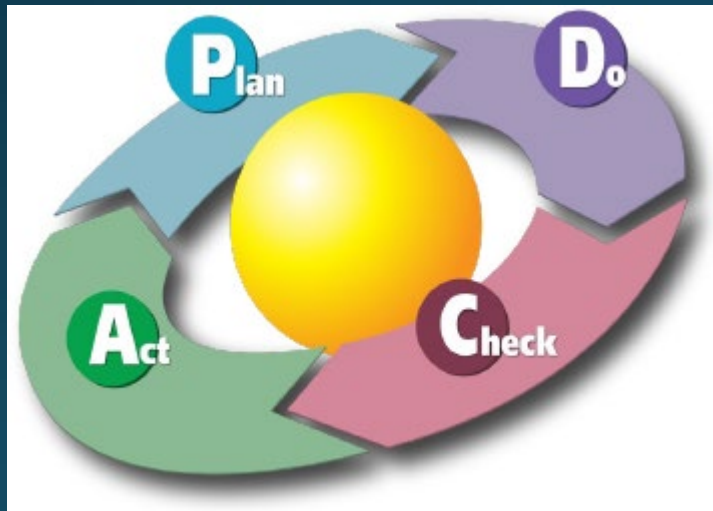
- 5 Watersheds
 - San Pedro/Babocomari (E.coli)
 - Santa Cruz (metals, pH)
 - Verde - Oak Creek (E. coli)
 - Middle Gila - Bradshaw Mountains (metals)
 - Salt – Pinto Creek (metals)



Arizona's NPS Goals in Five Year Plan

1. Identify and prioritize NPS threats and impairments
2. Plan and implement actions to prevent and reduce nonpoint source pollution discharges to protect and restore water quality
3. Evaluate state programs, rules, and authorities to protect and restore water quality for effectiveness and potential need for modification.

How?



Highlights of AZ's NPS Program

- Innovative technical tools
- Directly fund high priority implementation projects
- Internal and external funding for project implementation
- Implementing new prioritization strategy
- Focused monitoring to identify sources, fill 305(b) assessment data gaps, and determine project effectiveness



Key Project Sites – Metals – NPS Plan Section 2.0

| | Contaminant(s) | Watershed | Impaired Waterbody |
|---------------------------------------|--|-------------|--------------------|
| Humboldt Well (artesian discharge) | Copper; Zinc; pH | Santa Cruz | Humboldt Canyon |
| Exposed Reef Mine | Cadmium; Copper; Zinc; pH | Santa Cruz | Alum Gulch |
| McKinley Mill Mine | Cadmium; Copper; Iron; Lead; Zinc | Middle Gila | Hassayampa River |
| Storm Cloud Mine | Cadmium; Copper; Lead; Iron; Zinc | Middle Gila | Hassayampa River |
| McCleure Mine | Cadmium; Copper; Lead; Zinc | Middle Gila | Hassayampa River |
| Cash Mine | Cadmium; Copper; Lead; Selenium; Zinc | Middle Gila | Hassayampa River |
| 3R Mine | Copper; Zinc; Cadmium; pH | Middle Gila | 3R Canyon |
| Poland Walker Tunnel Mine | Cadmium; Zinc; Copper; Lead | Middle Gila | Big Bug Creek |
| Gibson Mine | Dissolved Copper | Salt | Pinto Creek |

Key Project Sites – E.coli – NPS Plan 2.2 -2.4 Objectives

| Project Site | Contaminant(s) | Watershed | Impaired Waterbody |
|--------------|----------------|-----------|----------------------|
| Oak Creek | e. Coli | Verde | Oak Creek |
| San Pedro | e. Coli | San Pedro | San Pedro/Babocomari |



View ADEQ's NPS Five Year Plan

Watershed Protection

ADEQ helps ensure Arizona's surface waters are safe for swimming, fishing and other uses. This is done by gathering information, monitoring and focusing on the land uses that can negatively impact surface and groundwater within the state.

ADEQ also offers assistance through the Water Quality Improvement Grant (WQIG) Program, which allocates money from the United States Environmental Protection Agency (U.S. EPA) to interested parties for implementation of nonpoint source management and watershed protection. [Learn more about the WQIG Program >](#)

Nonpoint source pollution is non-permitted, non-regulated pollution that comes from many places. Some examples include, but are not limited to:

- Recreation
- Domesticated animals
- Wildlife
- Agriculture
- Trash
- Onsite/septic waste treatment systems
- Abandoned/inactive mines

ADEQ produces a 5-Year Nonpoint Source Management Plan every five years which will guide and direct ADEQ's activities for the state fiscal years covered in the plan and fulfills the requirements of Section 319 of the Clean Water Act. This describes a comprehensive framework for agency coordination and cooperation including

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SEE MORE

TMDL Status & Plans

- [Bill Williams Watershed >](#)
- [Middle Gila Watershed >](#)
- [Little Colorado Watershed >](#)
- [Salt Watershed >](#)
- [San Pedro Watershed >](#)
- [Santa Cruz Watershed >](#)
- [Upper Gila Watershed >](#)
- [Verde Watershed >](#)

[Nonpoint Source Management Five Year Plan 2020-2024 >](#)

[Watershed Plans and TMDLs >](#)

[Stages Of A Clean Water Plan >](#)

[Triennial Review of Surface Water Quality Standards >](#)

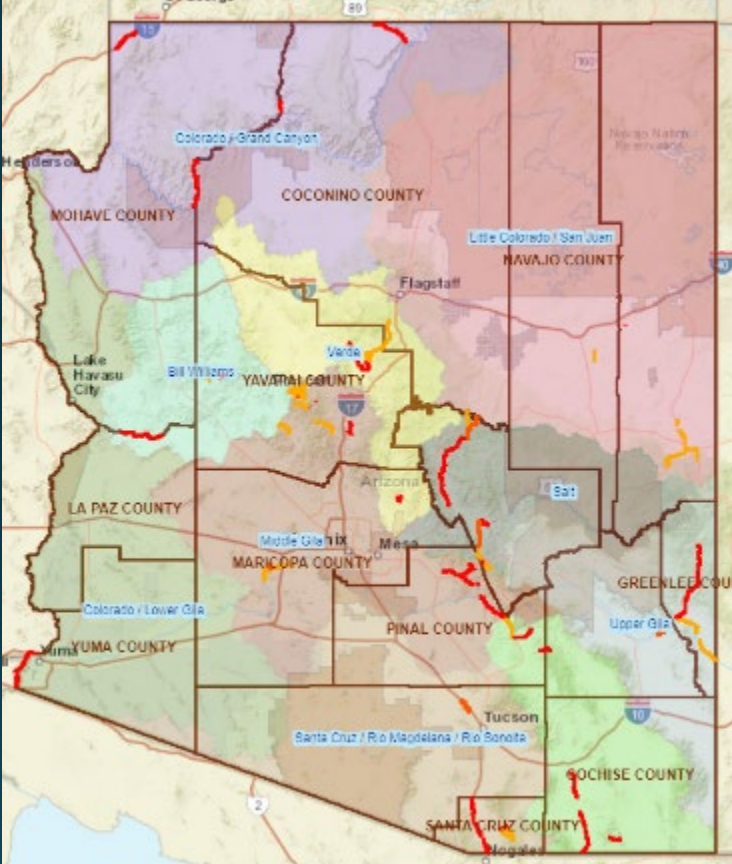
[Apply For WQIG Program Grants >](#)

[What are CWP's \(formerly WIP's\) >](#)

<http://azdeq.gov/programs/water-quality-programs/watershed-protection>

https://static.azdeq.gov/wqd/swqip/az_nps_fy20-24.pdf

There's More!



ADEQ's eMAPs

<http://azdeq.gov/emaps>



ADEQ's My Community

<http://azdeq.gov/MyCommunity>

Questions?



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