



El Dorado County  
Water Agency

2019 Water Resources  
Development and  
Management Plan

# Plan Advisory Group Meeting #4

March 27, 2019



# Agenda

1. Welcome and Agenda Review
2. Recap and Project Overview
3. Draft Plan Review
4. Anticipated Plan Progress for Next Meeting
5. Recap, Action Items, and Next Meetings
6. Adjourn



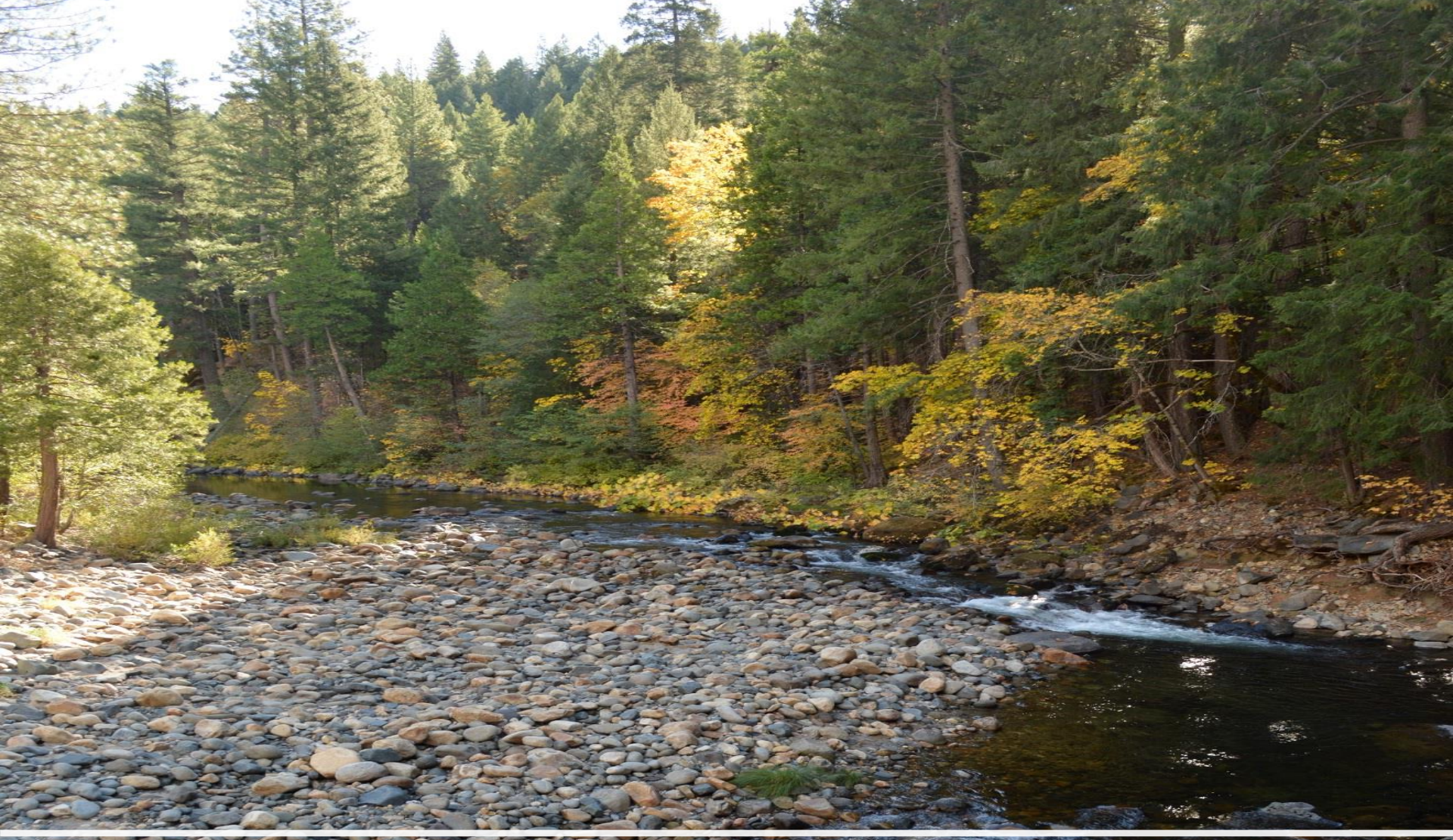


# Safety Moment

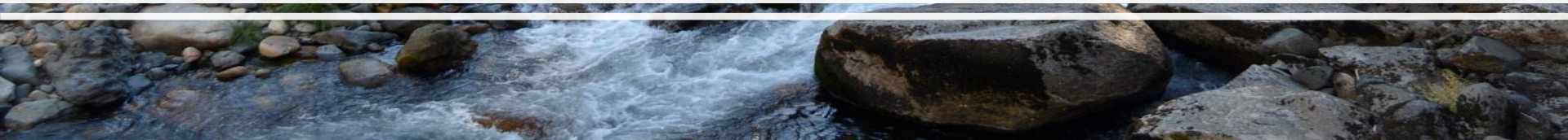
Hazards of  
Using a  
Smartphone







## Recap and Project Overview

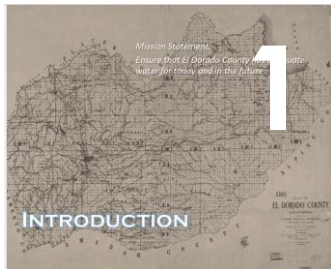




## Recap from PAG Meeting #3

- Received feedback on the working draft 2019
- Began a discussion on resources management strategies and how the Agency may lead/ coordinate/ support

# Agency's 2019 WRDMP



Why We Do This



Where We Are



What Is Ahead



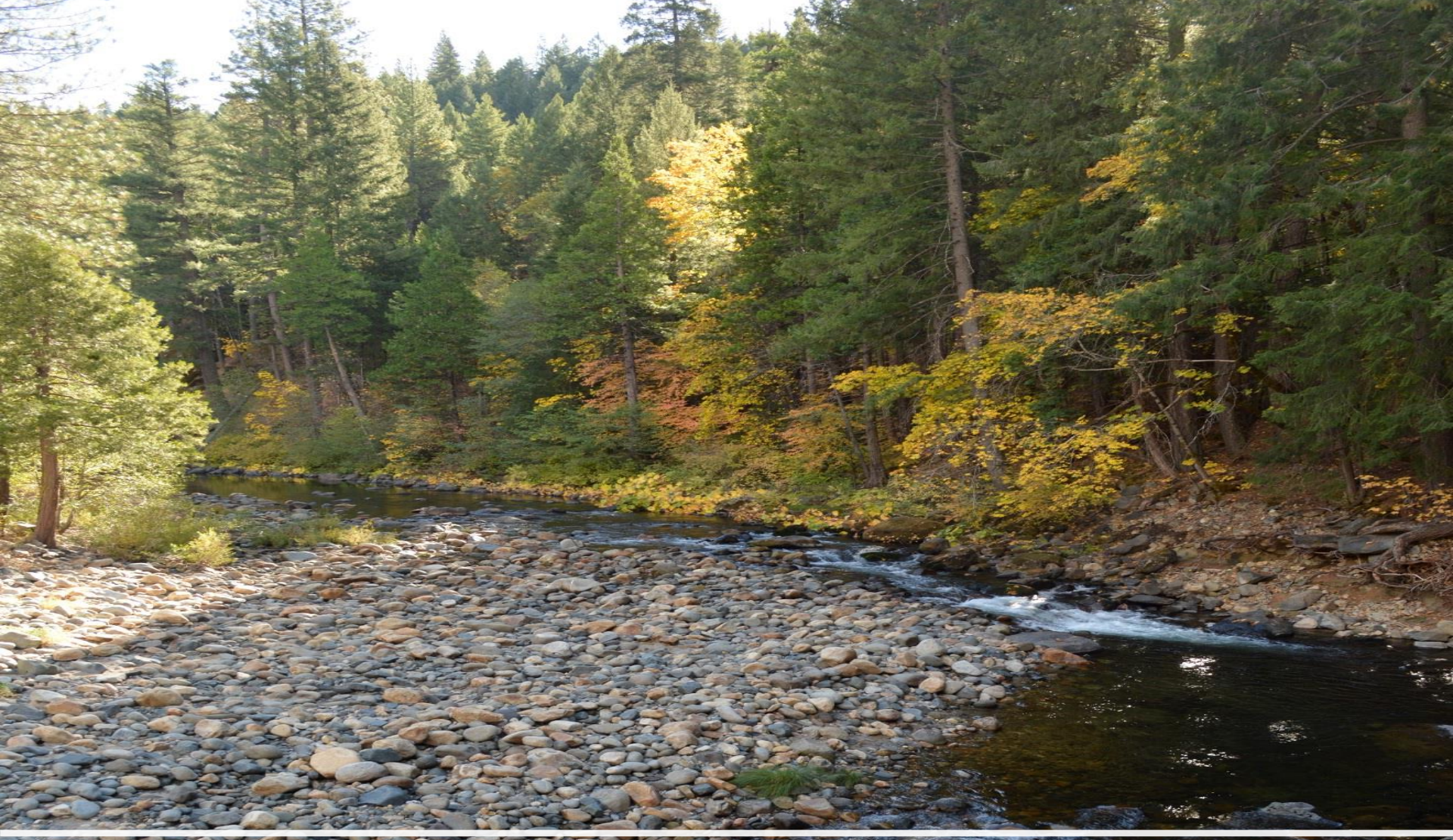
What We Could Do



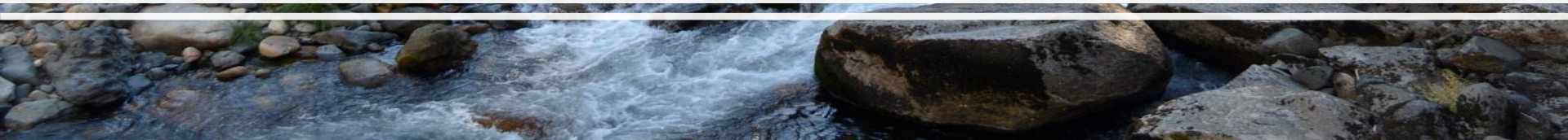
What the Agency Should Do

- **Supports realization of the County's General Plan vision for economic development, environmental protection and social well-being.**
- Is a concise document for policy guidance focusing on Agency's investment and actions
- Is being developed collaboratively, respecting roles and responsibilities
- Is scheduled for completion in June/July 2019, subject to Agency Board's adoption.



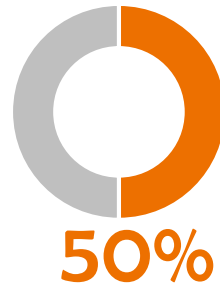
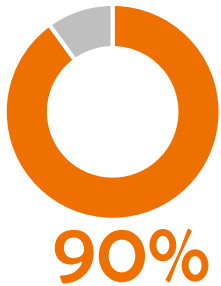
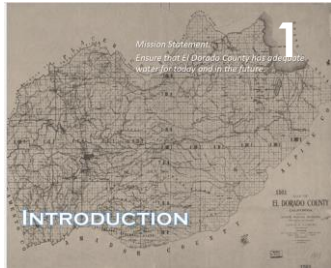


# Draft Plan Review





# 2019 WRDMP Progress Update



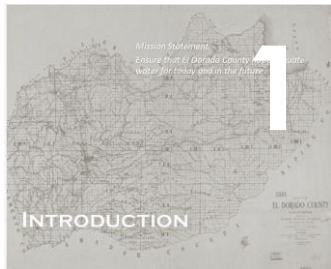
 **Major Piece:**  
Supply-Demand  
Scenarios



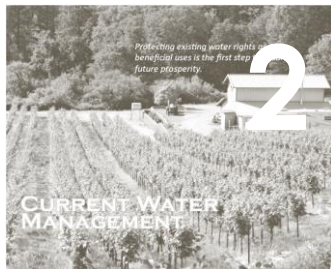
## Draft Plan Review

- Discussion of Sections 4 and 5
- Land use report and evaluation framework
- Update on demand, supply, and imbalance scenario evaluation
- Review of Sections 1, 2, and 3

# Sections 4 and 5



Why We Do This



Where We Are



What Is Ahead



What We Could Do



What the Agency Should Do

- **Continuing discussion today**
  - Initial discussion points, based on team brainstorming and Plan Advisory Group Feedback
  - Add/subtract/modify
- **Continue in the next 1-2 meetings**



## Section 4\_Framing



- **Strategy through the lens of water resource management that is mindful of statewide and national trends**
  - Locally-grounded perspective
  - Tangible outcomes to improve conditions of water resources management (see Section 3)
  - Integrated considerations that recognize connectivity among management of different resources [*organization is more a convenient matter but not absolute*]
  - Collective efforts by the County and its water resource management agencies, weighted more on what may be missing or largely deficient where attention would be warranted

**A point of clarification:**

*The WRDMP is a document that can help clarify the advocacy position for the County as a whole, but it is not a document for advocacy purposes.*

## Section 4\_Discussion

- **Handout with initial structure and items for discussion purposes**



## Section 5\_Framing



- **5-year implementation with a long-term view**
  - Agency-specific and consistent with the following:
    - Roles and responsibilities
    - Principles of engagement (see *Section 1*)
  - Specific roles during implementation:
    - Lead (active development-oriented actions)
    - Facilitate (valued-added assistance-oriented actions)
    - Support (coordinated participation-oriented actions)

**Reminder:**

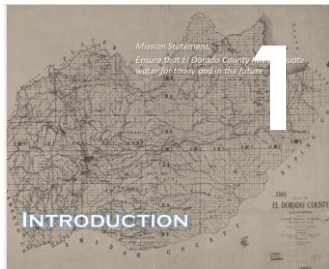
*The WRDMP is an Agency document to be adopted by its Board. It is not a detailed master plan (nor is it intended to be one).*

## Section 5\_Discussion

- **Handout with initial structure and items for discussion purposes**



# Sections 1, 2, and 3



Why We Do This



Where We Are



What Is Ahead



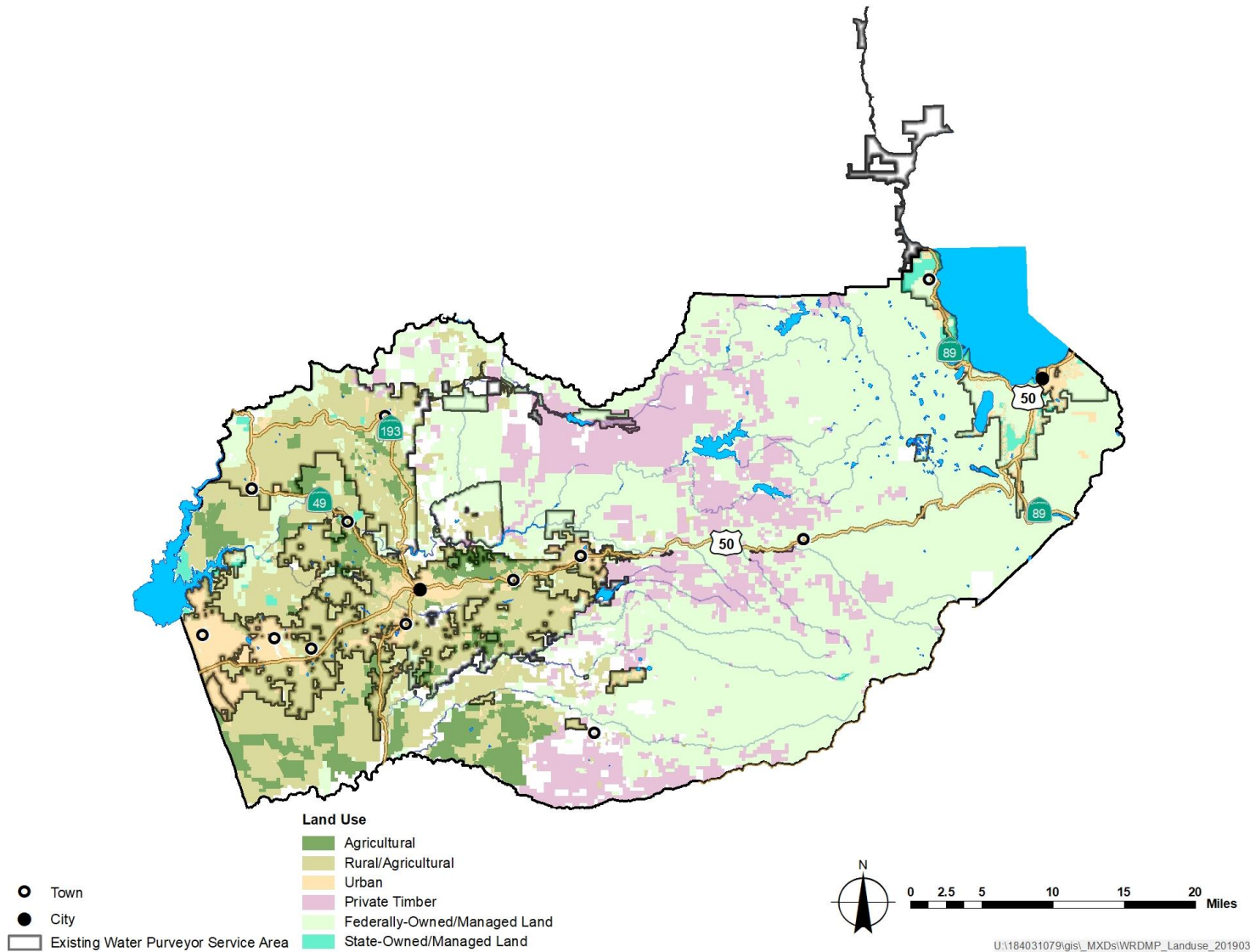
What We Could Do



What the Agency Should Do

- **Changes from last time (PAG #3)**
  - Content and figure updates
  - Updated graphic layout
  - Resolved land use designations
  - Better display of analytic framework
- **Input and comments**

# Land Use Designation Map





# Supply-Demand Scenario

2019 WRDMP



## Climate Change Inputs

Precipitation | Temperature | Evapotranspiration | Unimpaired Streamflows

The climate change inputs have been developed as part of the **American River Basin Study**

### El Dorado County General Plan Capacity

#### Agricultural Demands

- Parametrically evaluated irrigated land use under a range of water and land development costs

#### Municipal and Industrial Demands

- Demand projections by purveyors' service areas and other county areas
- Water conservation recommendations

**Agricultural Demand**

**Urban Demand**

**Hydrology**

## System Analysis

Analytical Tool: CalSim III Upper American Module

The CalSim III Upper American Module has been developed as part of the **American River Basin Study**

### Potential Supply-Demand Imbalance

- Overall conditions
- Drought conditions
- Geographical disparity
- Range of uncertainty

2019 WRDMP Update

**Urban Demand**

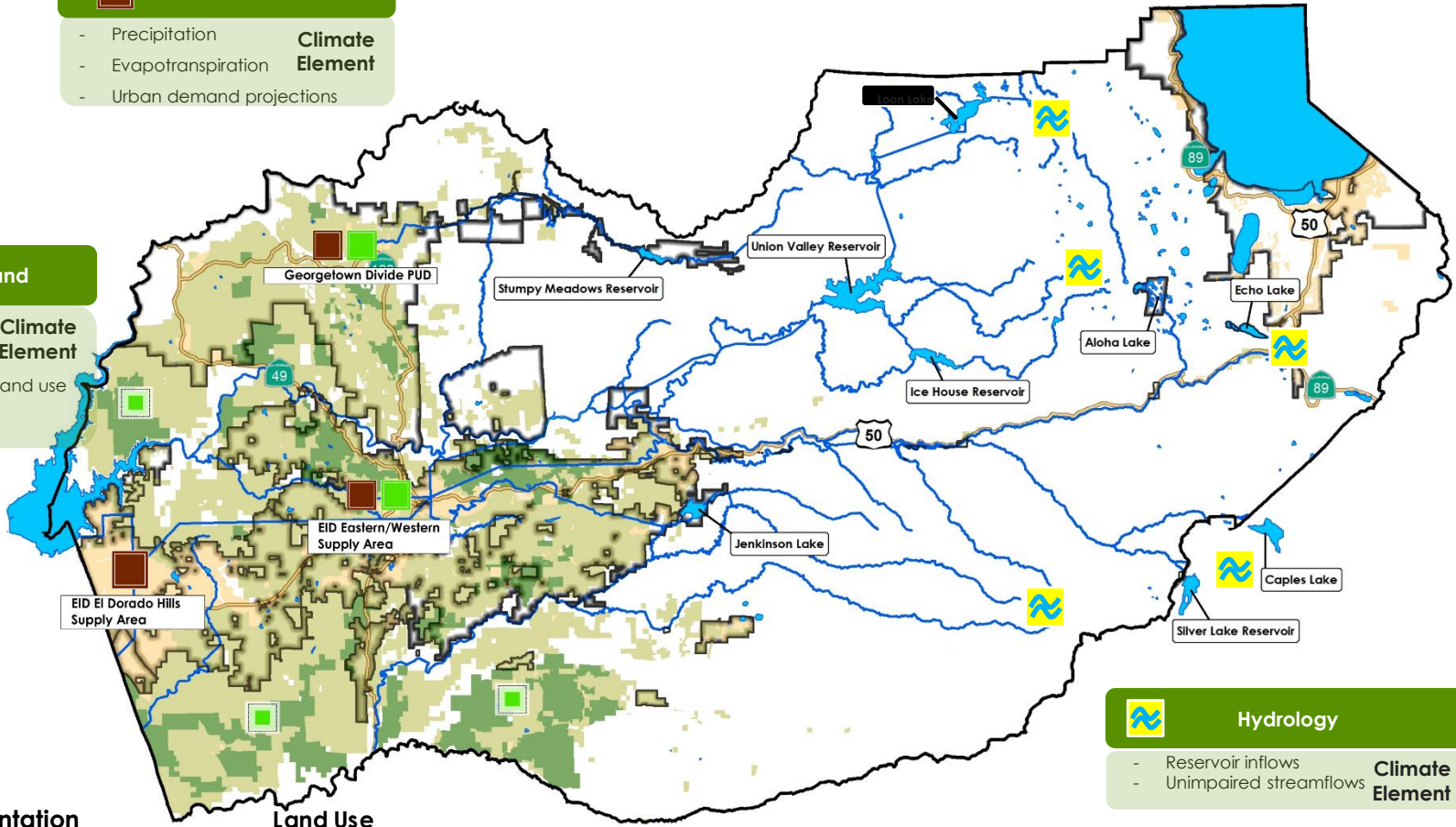
- Precipitation
- Evapotranspiration
- Urban demand projections

**Climate Element**

**Agricultural Demand**

- Precipitation
- Evapotranspiration
- Agronomically viable land use and crop distribution

**Climate Element**



**Hydrology**

- Reservoir inflows
- Unimpaired streamflows

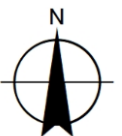
**Climate Element**

**CalSim III Representation**

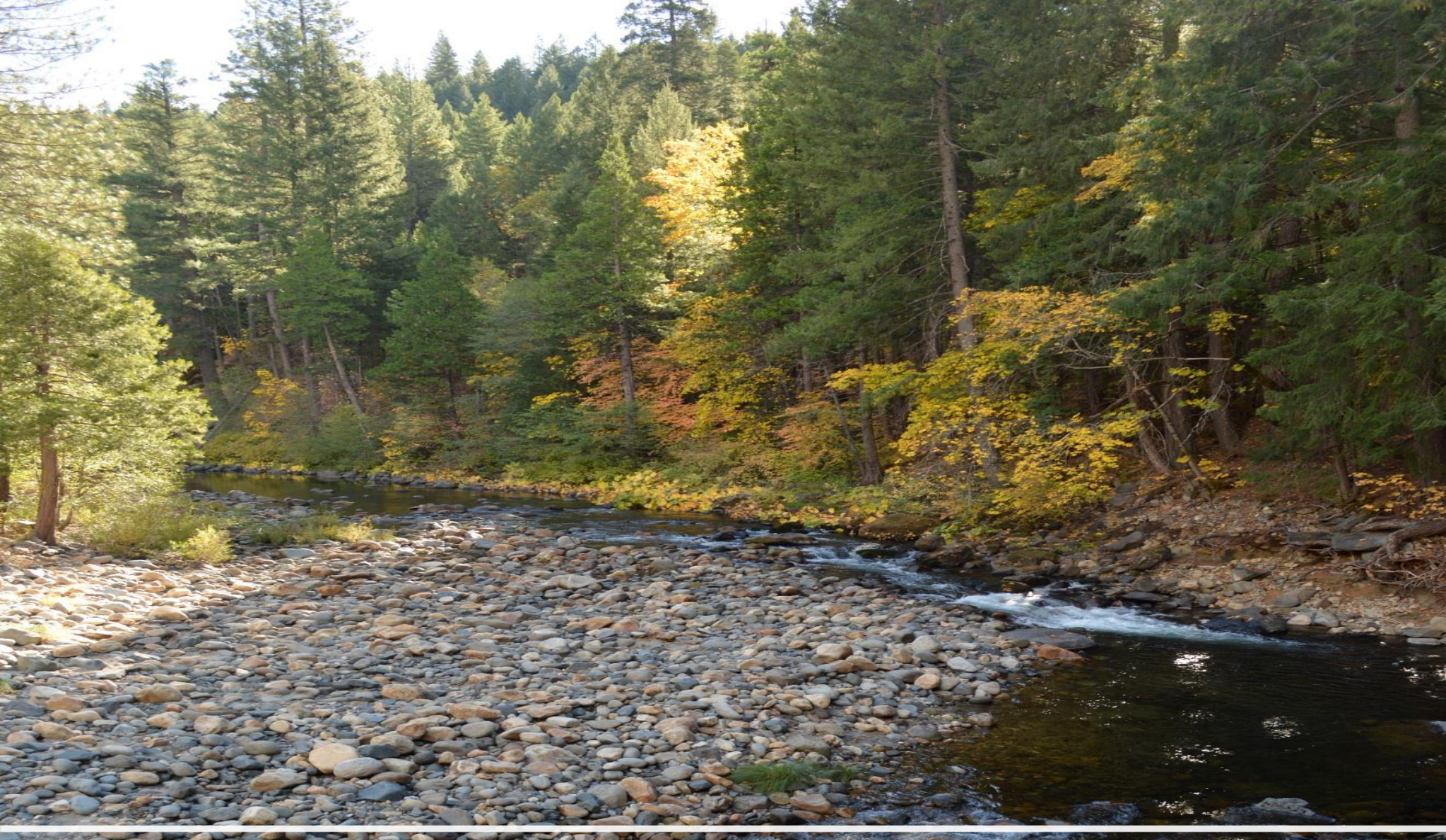
- Urban Demand Unit
- Agricultural Demand Unit
- Potential New Ag Demand Unit Outside of Existing Water Purveyor Service Areas
- CalSim III Geo-Referenced Arcs

**Land Use**

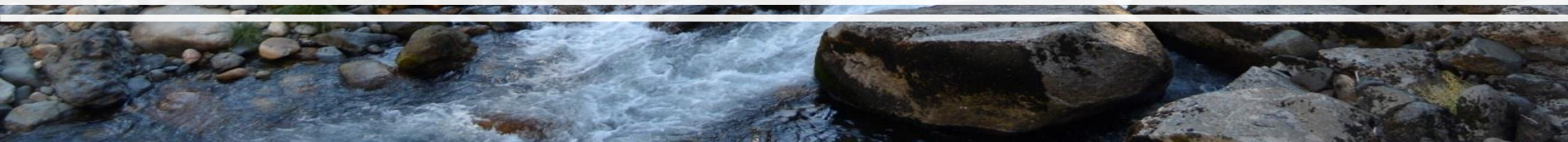
- Agricultural
- Rural/Agricultural
- Urban
- Existing Water Purveyor Service Area





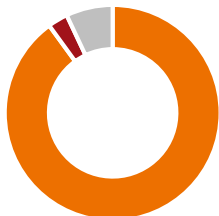
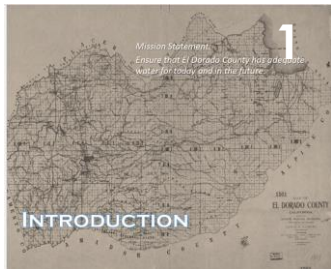


# **Anticipated Plan Progress for Next Meeting**



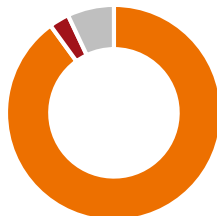


# Anticipated Progress



93%

- Text refinement
- Graphic refinement
- Page layout




93%

- Text refinement
- Graphic refinement
- Page layout



60%

- Text refinement
- Graphic refinement
- Page layout

 Demand revisions

Water supply-demand scenarios



45%

- Management strategy refinement

Supporting graphic development

Initial page layout



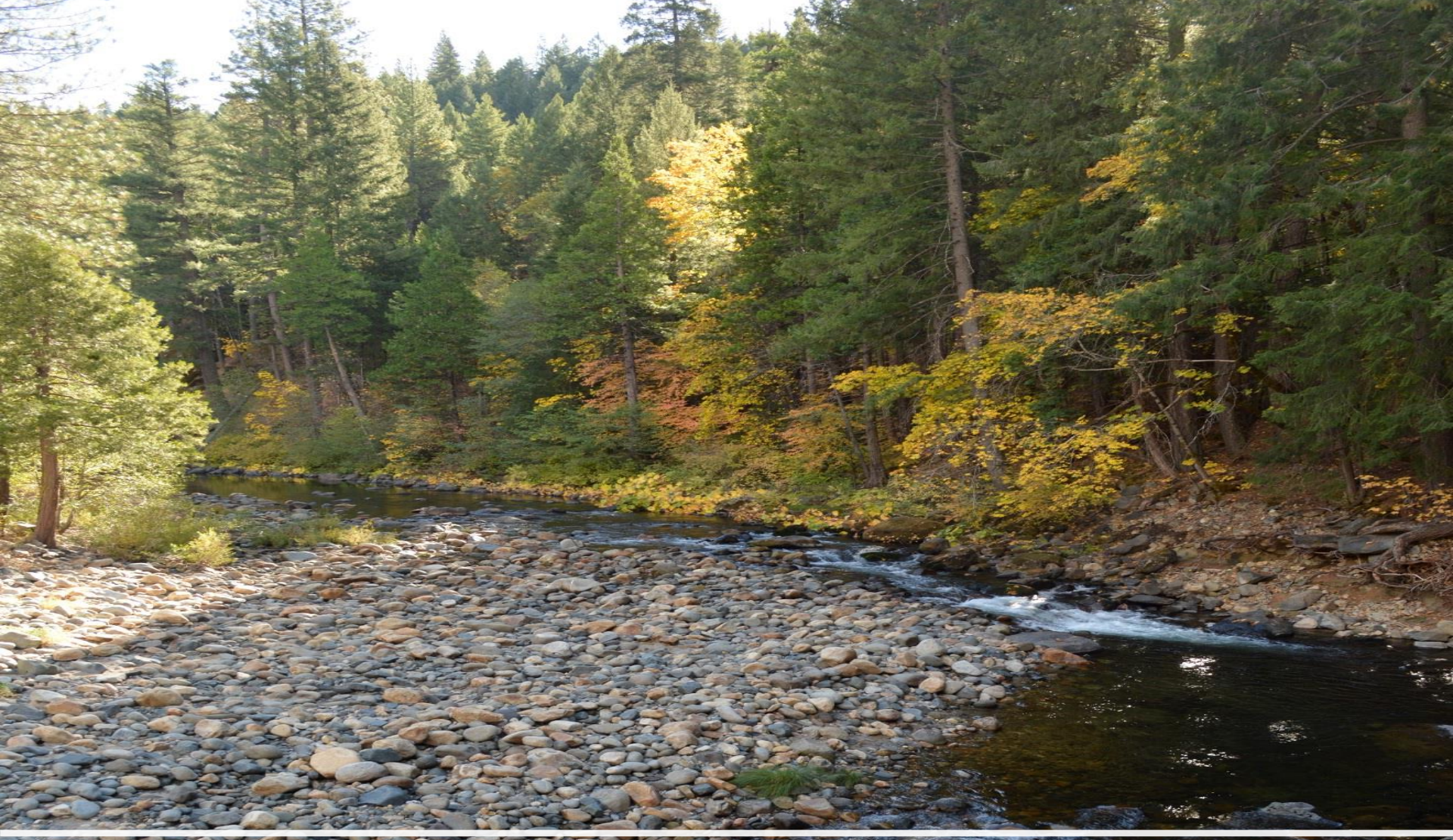
40%

- Refinement of implementation focus, priorities, and actions

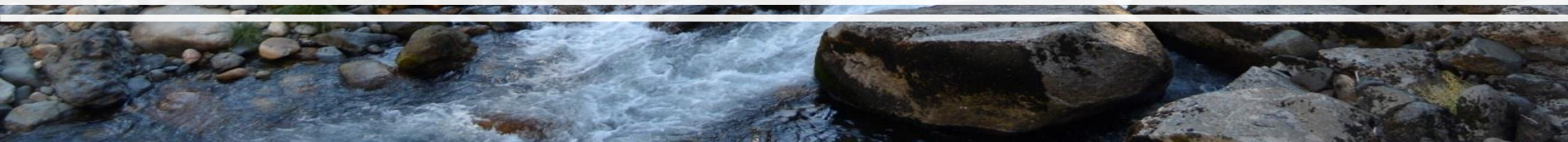
Supporting graphic development

Initial page layout





## **Recap, Action Items and Next Meetings**





## Recap

- ✓ Reviewed outcomes from previous meeting
- ✓ Shared progress of entire draft 2019 WRDMP
- ✓ Received feedback on current draft 2019 WRDMP
- ✓ Discussed anticipated draft 2019 WRDMP progress

## Action Items and Next Meetings

- PAG Meeting #5- April 24<sup>th</sup>, 10:30 am to 12:30 pm
- PAG Meeting #6- May 22<sup>nd</sup>, 10:30 am to 12:30 pm
- PAG Meeting #7- June 26<sup>th</sup>, 10:30 am to 12:30 pm





