



El Dorado County
Water Agency

2019 Water Resources
Development and
Management Plan

Plan Advisory Group Meeting #6

May 22, 2019



Agenda

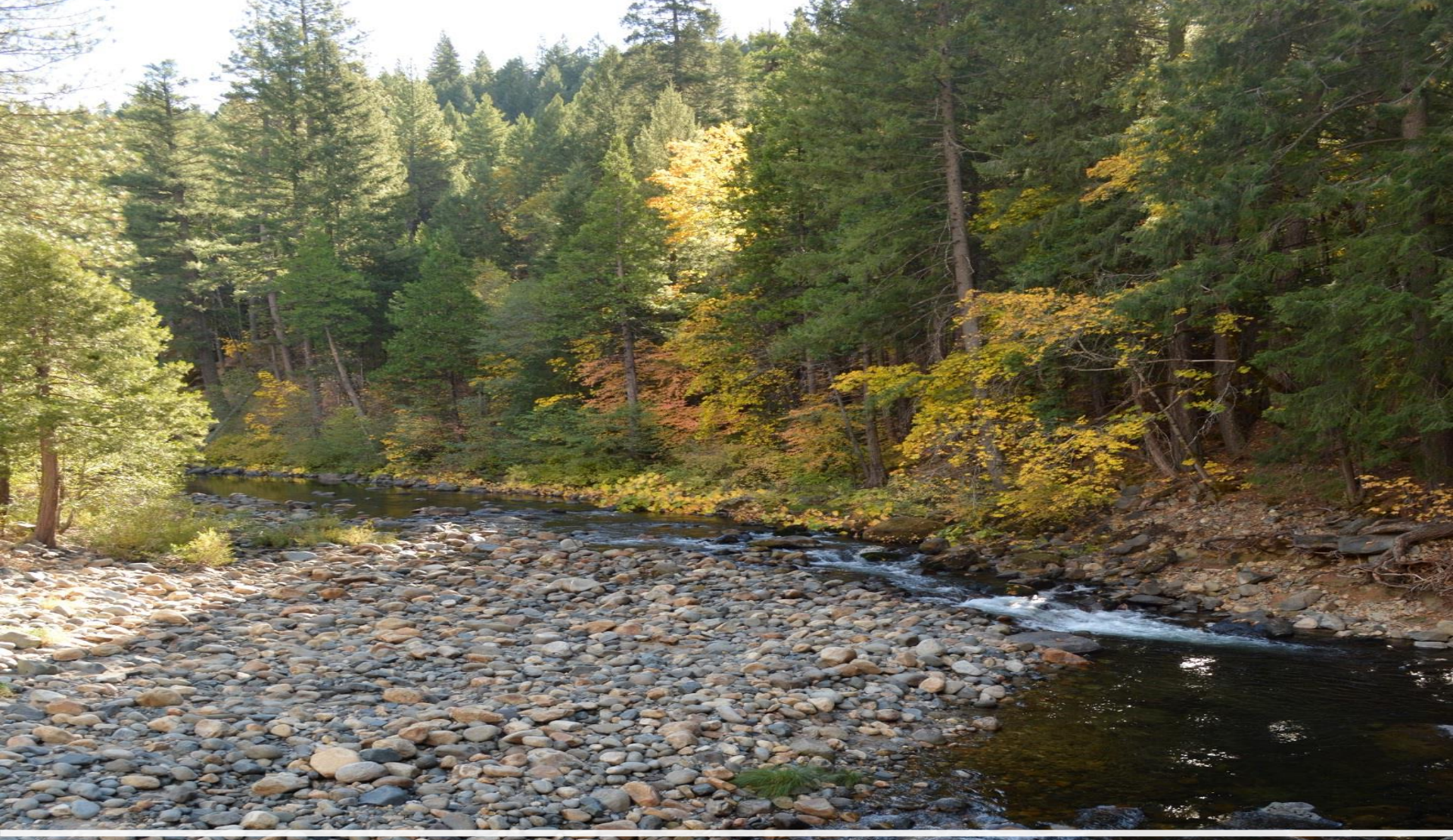
1. Welcome and Agenda Review
2. Recap and Project Overview
3. Draft Plan Review
4. Anticipated Plan Progress for Next Meeting
5. Recap, Action Items, and Next Meetings
6. Adjourn



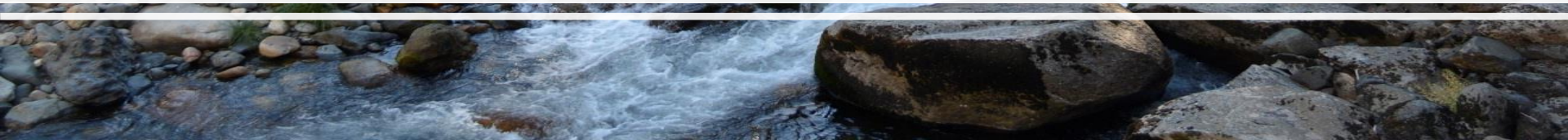
Safety Moment

Poison Ivy





Recap and Project Overview



Recap from PAG Meeting #5

- Received feedback on the working draft 2019
- Continued the discussion on the resources management strategies and how the Agency may lead/ coordinate/ support
- Provided an overview on the Agency's near-term actions and future investments

Agency's 2019 WRDMP



Why We Do It



Who Are Responsible



What Is Ahead

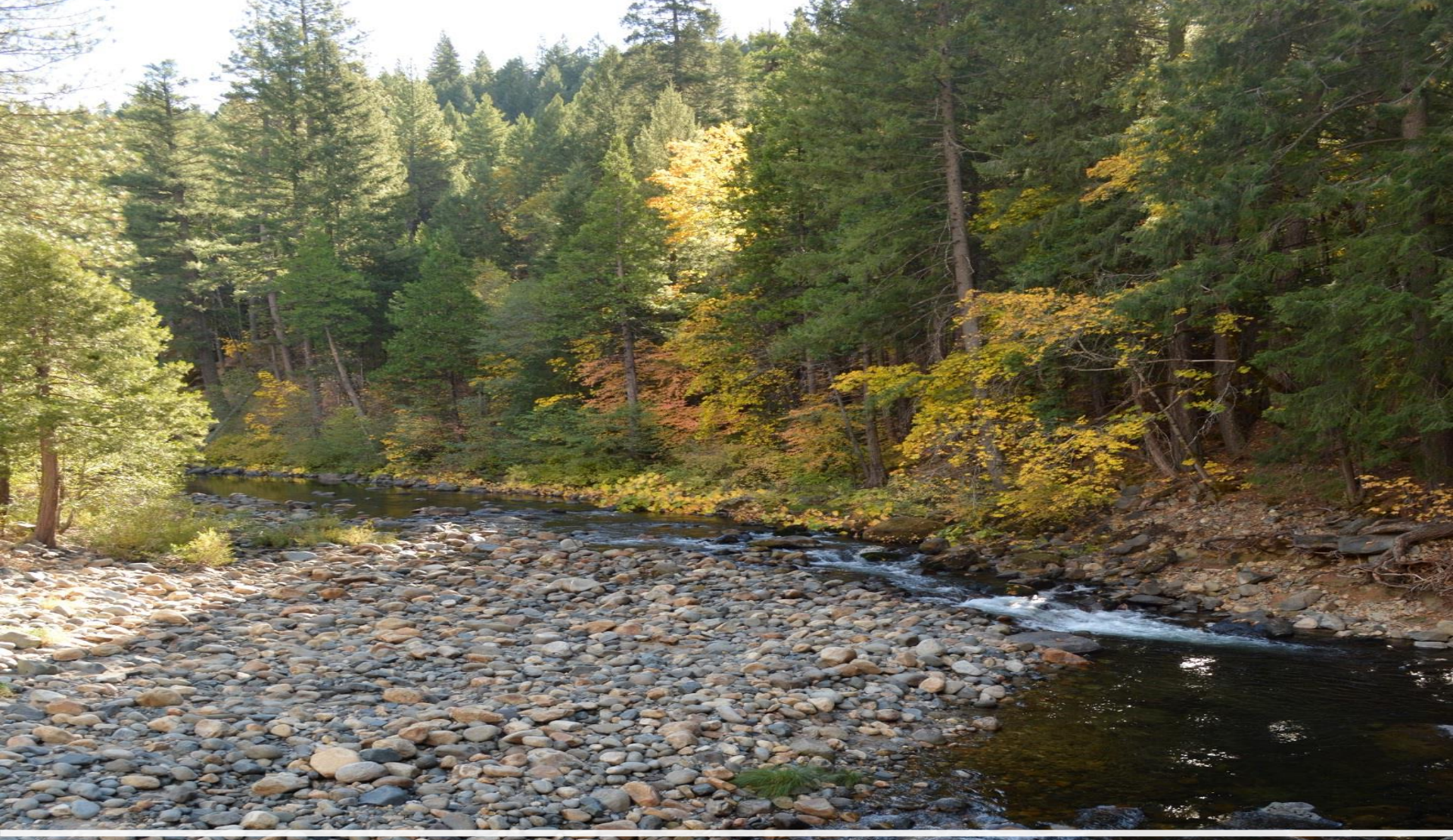


How We Do It

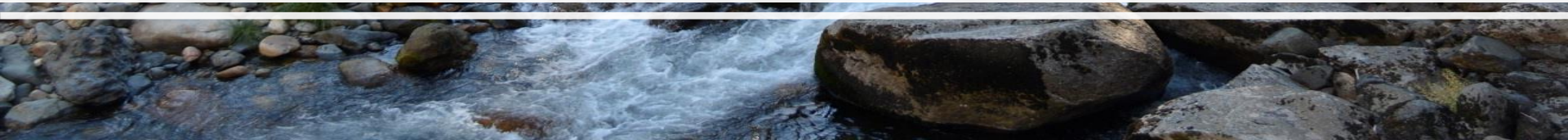


What We Do

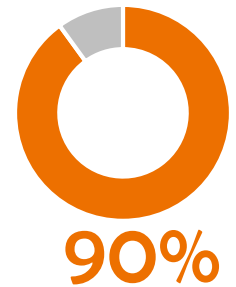
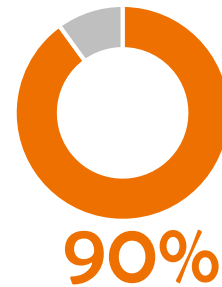
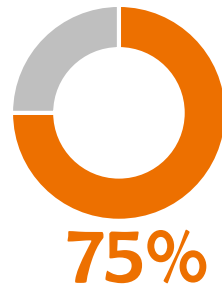
- **Supports realization of the County's General Plan vision for economic development, environmental protection and social well-being.**
- Is a concise document for policy guidance focusing on Agency's investment and actions
- Is being developed collaboratively, respecting roles and responsibilities
- 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

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

Sections 1, 2, and 3



Why We Do It



Who Are Responsible



What Is Ahead



How We Do It



What We Do

- **Changes from last time (PAG #5)**
 - Content and figure updates
 - Updated graphic layout
- **Input and comments**

Supply-Demand Analysis

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

CalSim III Representation of El Dorado County

2019 WRDMP

Urban Demand

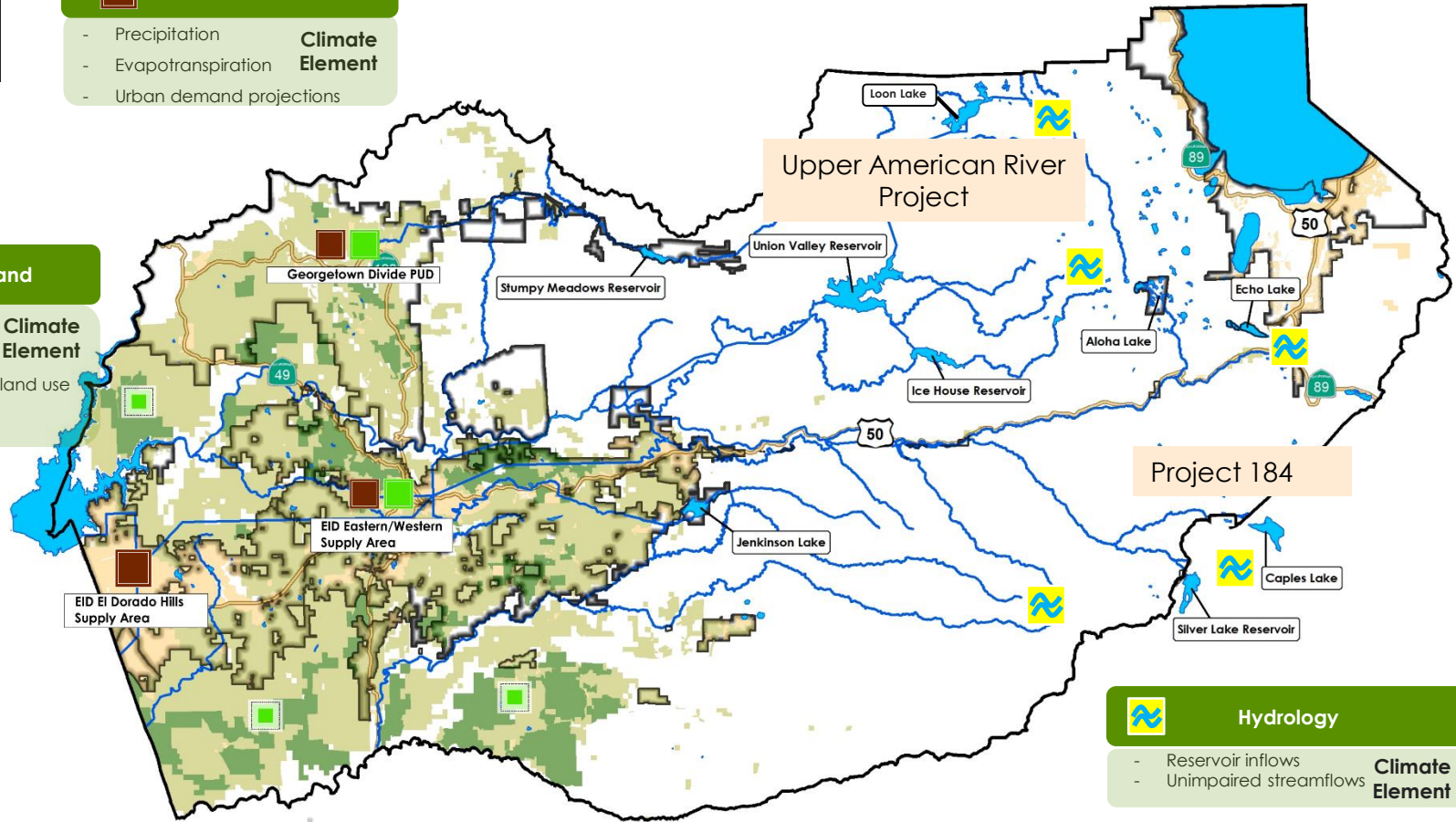
- Precipitation
- Evapotranspiration
- Urban demand projections

Climate Element

Agricultural Demand

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

Climate Element



Hydrology

- Reservoir inflows
- Unimpaired streamflows

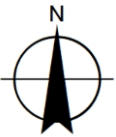
Climate Element

El Dorado County West Slope Land Use

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

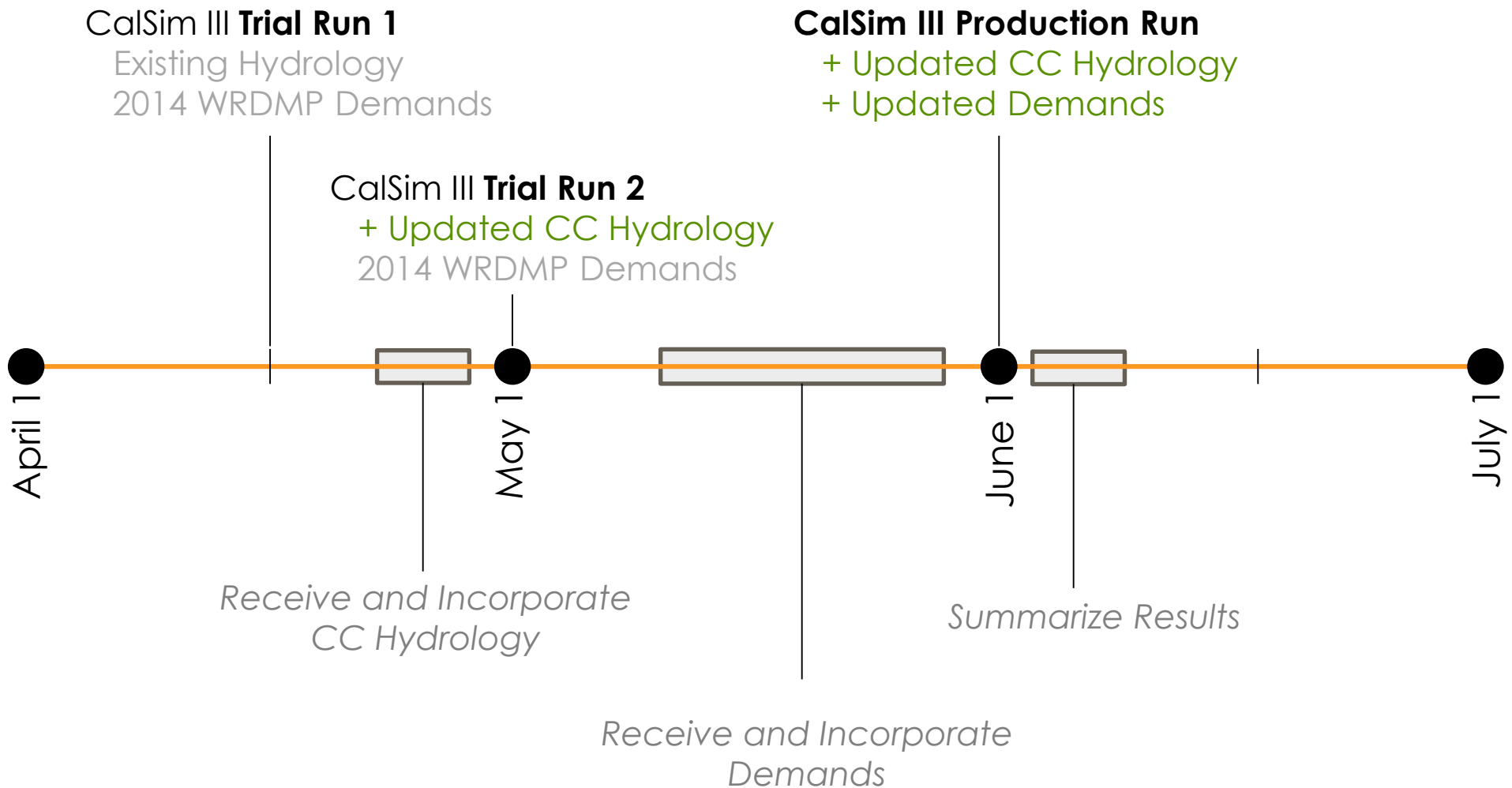
CalSim III Representation

- Urban Demand Unit
- Agricultural Demand Unit
- Potential New Ag Demand Unit Outside of Existing Water Purveyor Service Areas
- Surface Water Conveyance Represented in CalSim III
- CalSim III Hydrologic Inputs



Supply-Demand Analysis Schedule

2019 WRDMP



Sections 4 and 5



Why We Do It



Who Are Responsible



What Is Ahead



How We Do It



What We Do

- **Continuing discussion today**

- Initial discussion points, based on team brainstorming and Plan Advisory Group Feedback
- Add/subtract/modify

Section 4_Framing

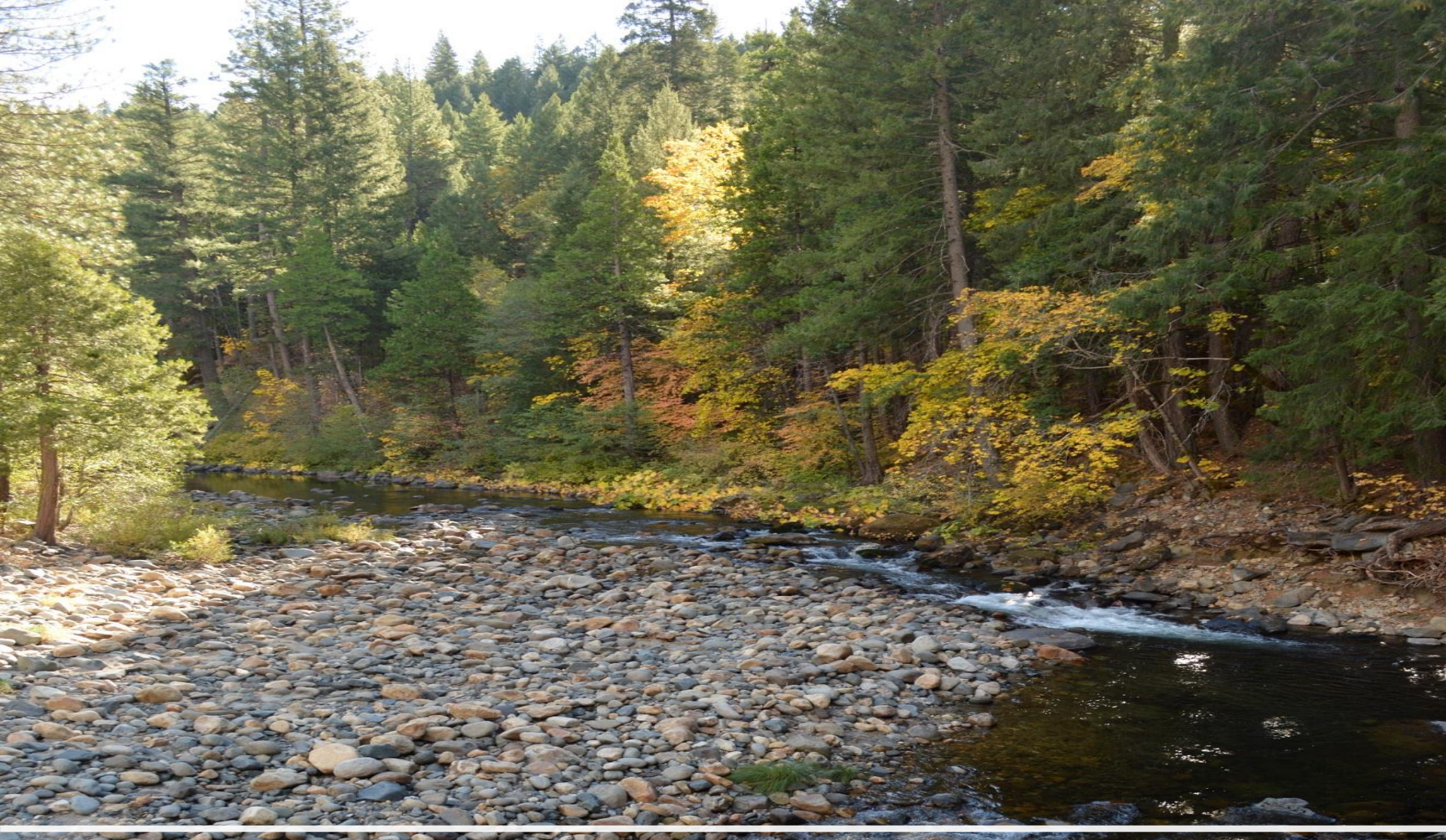


- **Strategy through the lens of water resource management that is mindful of statewide and national trends**
 - Locally-grounded perspective
 - Tangible outcomes to improve conditions of water resources management (*see Section 3*)
 - Collective efforts by the County and its water resource management agencies, weighted more on what may be missing or largely deficient where attention would be warranted
 - Agency specific roles during implementation:
 - Lead (active development-oriented actions)
 - Facilitate (valued-added assistance-oriented actions)
 - Support (coordinated participation-oriented actions)

Section 5_Framing



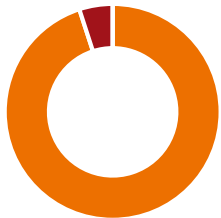
- **5-year implementation with a long-term view**
 - Agency-specific and consistent with the following:
 - Roles and responsibilities
 - Principles of engagement (see *Section 1*)
 - Agency near-term actions and future investments



Anticipated Plan Progress for Next Meeting

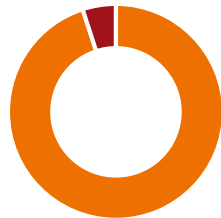


Anticipated Progress



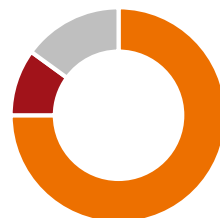
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- Text refinement
- Graphic refinement
- Page layout



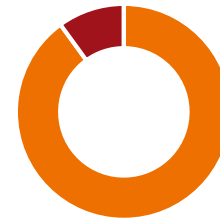
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- Text refinement
- Graphic refinement
- Page layout



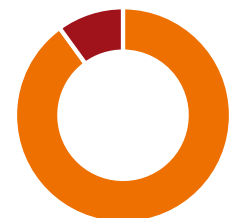
85%

- Text refinement
- Graphic refinement
- Page layout
- Demand revisions
- Water supply-demand scenarios



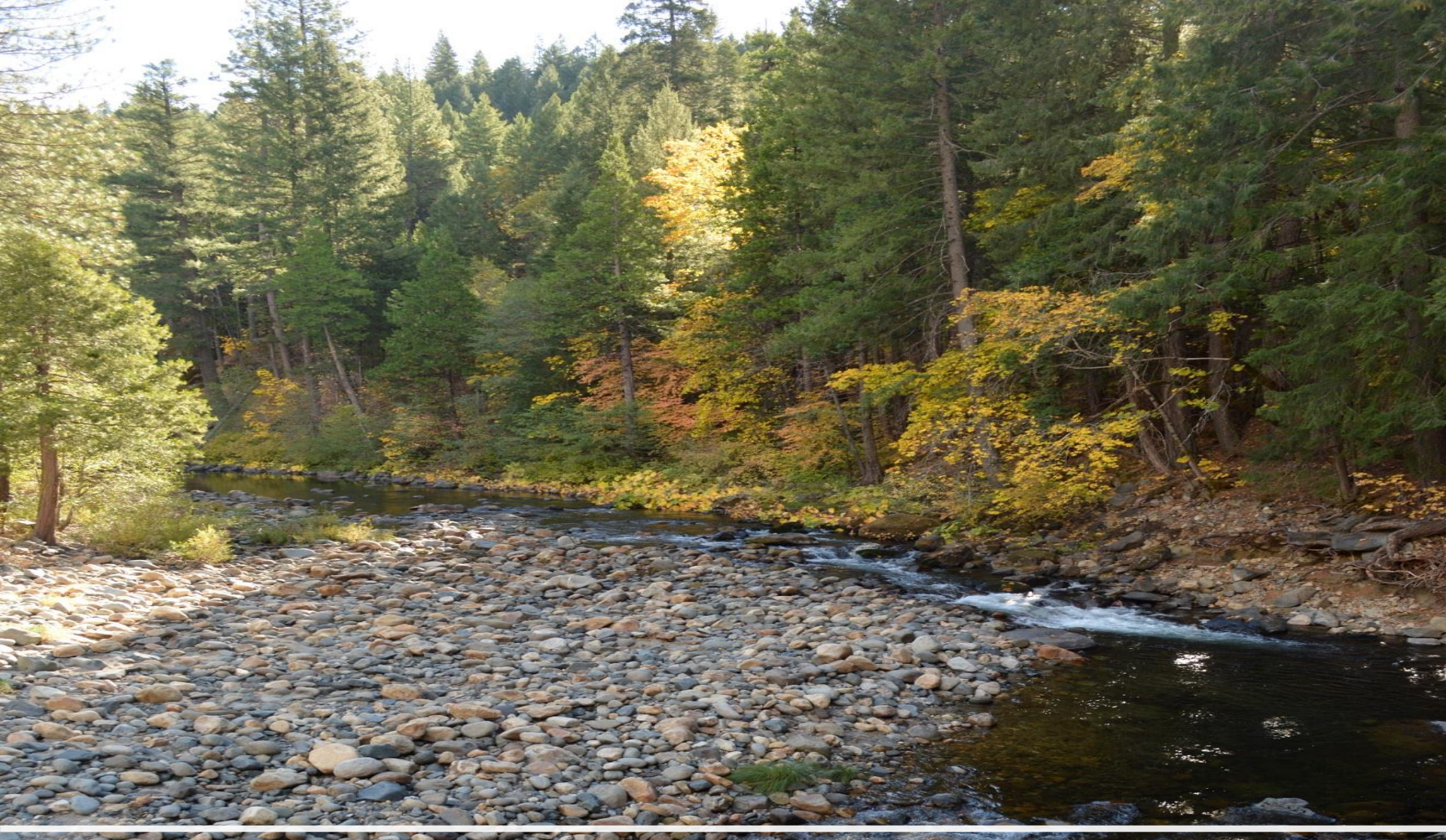
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- Management strategy refinement
- Supporting graphic development
- Page layout



100%

- Refinement of implementation focus, priorities, and actions
- Supporting graphic development
- 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 #7- June 26th, 10:00 am to 1:00 pm



