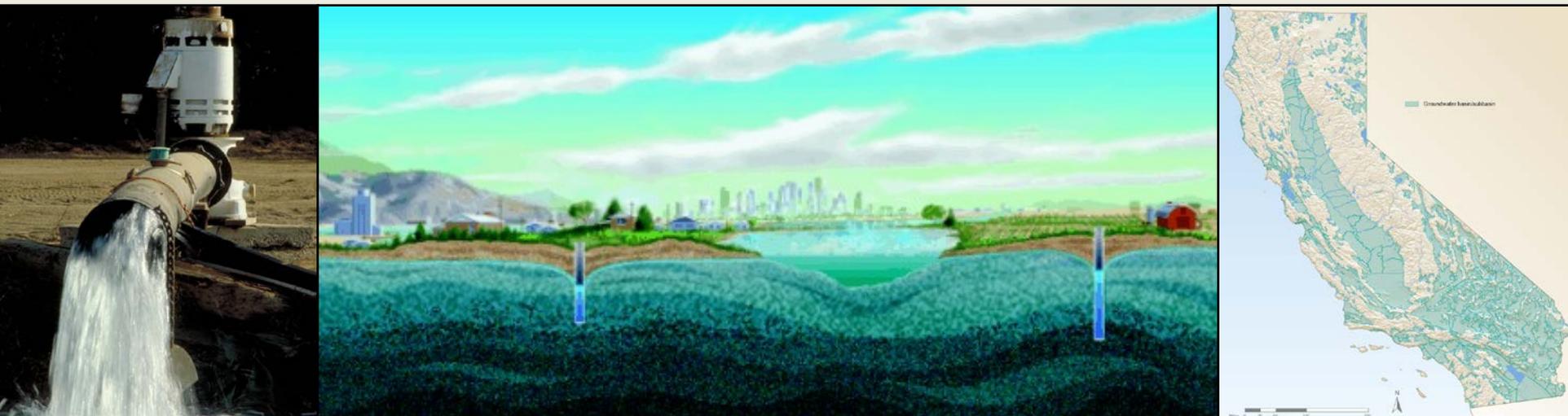


DWR's Sustainable Groundwater Management Implementation

- GSP/Alt. Emergency Regulations -
Consideration for Approval

1



California Water Commission
May 18, 2016
Sacramento, CA

1



Presentation Overview

1. Background

2. Brief Summary of Regulation

- Commissioner Input
- Clarification

3. Next Steps

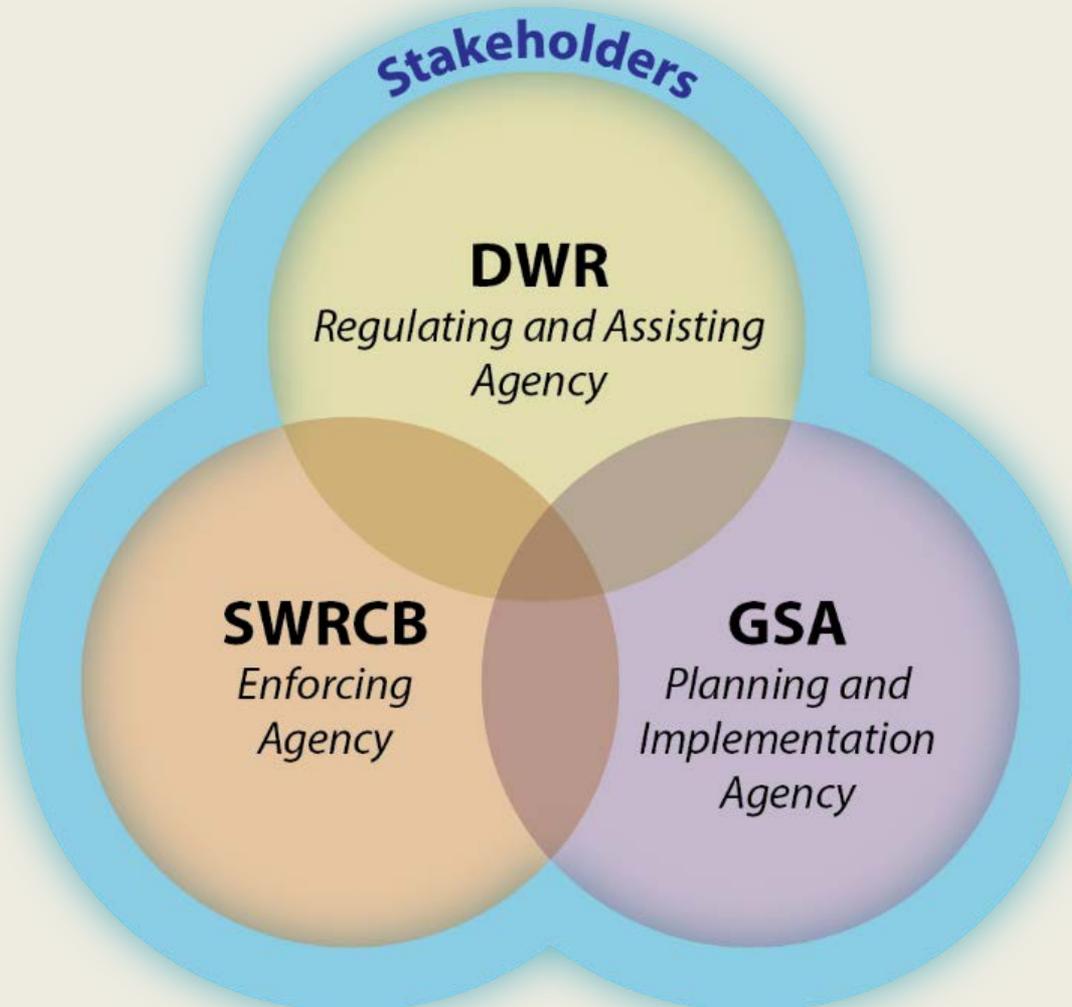
DWR's SGMA Responsibilities and Timelines



- Groundwater Sustainability Agency Formation: §10723 et seq.**
 - Due by June 30, 2017
- Initial Basin Prioritization: §10722.4**
 - Completed by January 31, 2015
- Regulations for Modifying Groundwater Basin Boundaries: §10722 et seq.**
 - Completed by January 1, 2016
- Identification of Critically Overdrafted Basins: §12924**
 - Completed January 2016
- Groundwater Sustainability Plan and Alternatives Regulations: §10733.2**
 - **Due June 1, 2016**
- Water Available for Replenishment: §10729(c)**
 - Due January 1, 2017
- Best Management Practices: §10729(d)**
 - Due January 1, 2017
- Bulletin 118: §12924**
 - Interim Update due January 2017; Comprehensive Update due 2020

Sustainable Groundwater Management

General Roles and Responsibilities



Process

• Phases of Implementation

Apr – Jun 2015

Jul – Sept 2015

Oct 2015 - Apr 2016

May
2016

Scoping

- Notify OAL
- Collect Issues from Stakeholders
- Coordinate with SWRCB & CWC

Draft Framework (Topic Based)

- Public Listening Sessions
- 10 Topic Papers
- Received Input from Advisory Groups and Public

Draft Emergency Regulations

- Required Public Meetings
- Present and Receive Input from Advisory Groups and Public

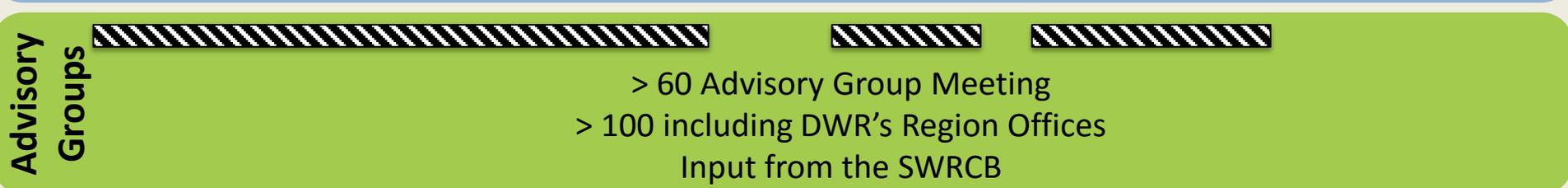
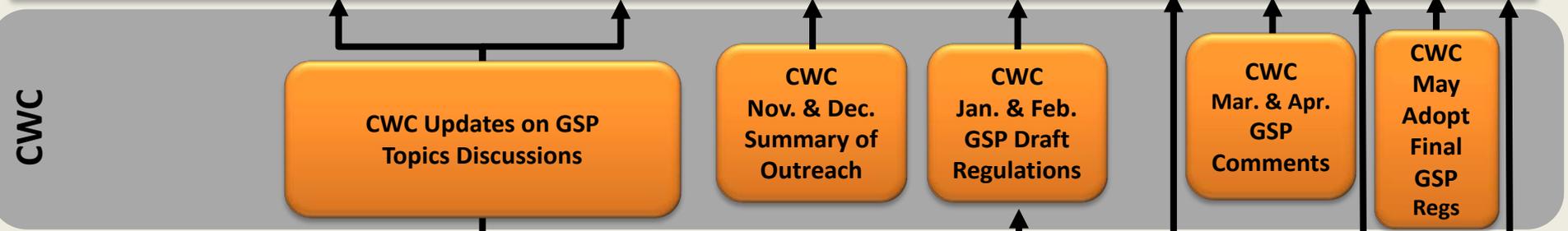
Adopt Emergency Regulations

- CWC Approval
- Noticing and Submittal to OAL

Input and Feedback from the CWC and SWRCB



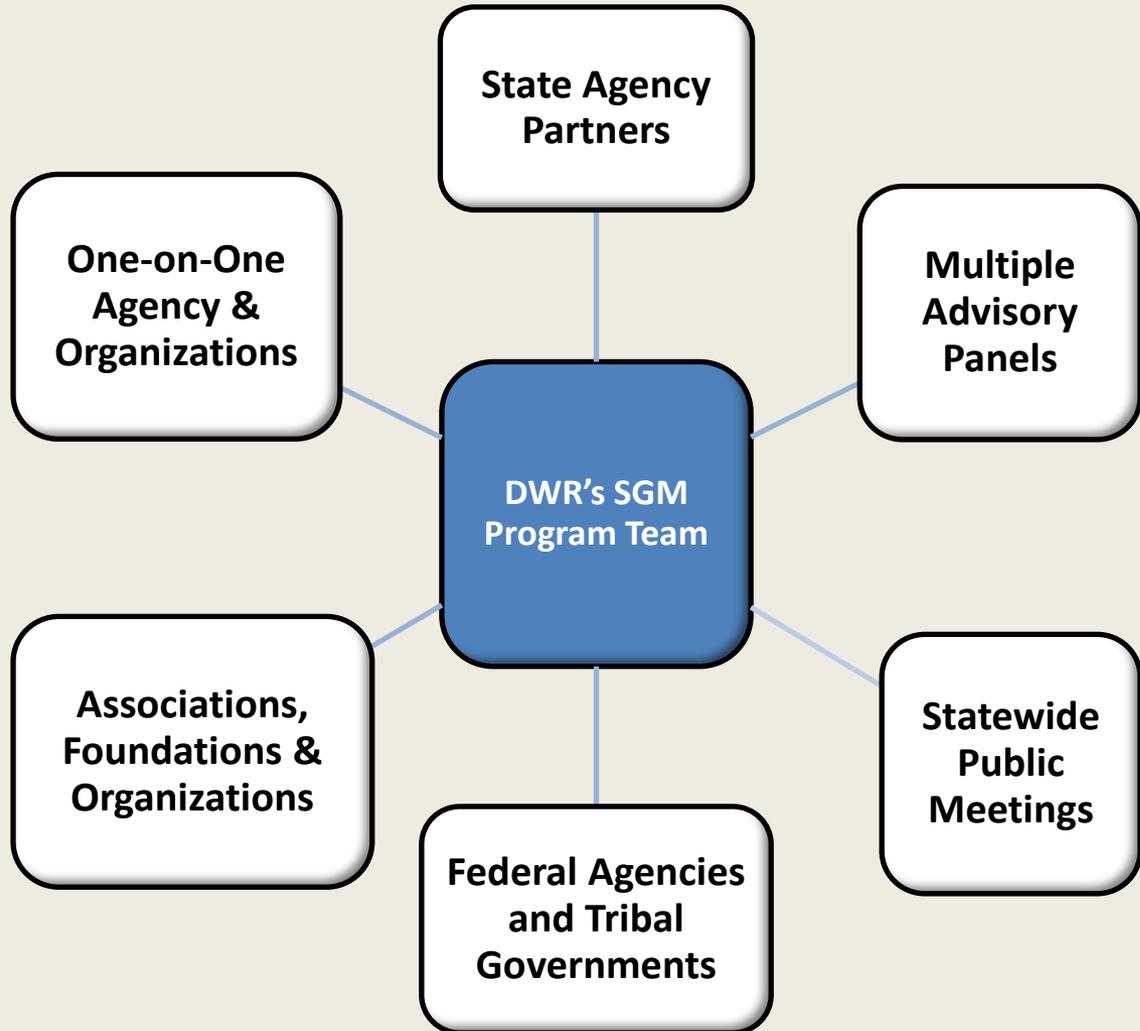
Timeline



= Focused Stakeholder Input



SGM Communication and Outreach



SGMA ADVISORY GROUPS

- Practitioners Advisory Panel
- Tribal Advisory Group
- Non-Governmental Organizations
- Association of California Water Agencies (ACWA)
- Northern California Water Association (NCWA)
- San Joaquin Tributaries Authority
- San Luis & Delta Mendota Water Authority
- Central Coast Area
- RCRC & CSAC
- Agricultural Community
- Tulare Lake Hydrologic Group
- Numerous other meetings with Local Agencies

Overall Regulatory Approach



“A central feature of these bills is the recognition that groundwater management in California is best accomplished locally.”

Governor Jerry Brown, September 2014



**Public
Engagement**

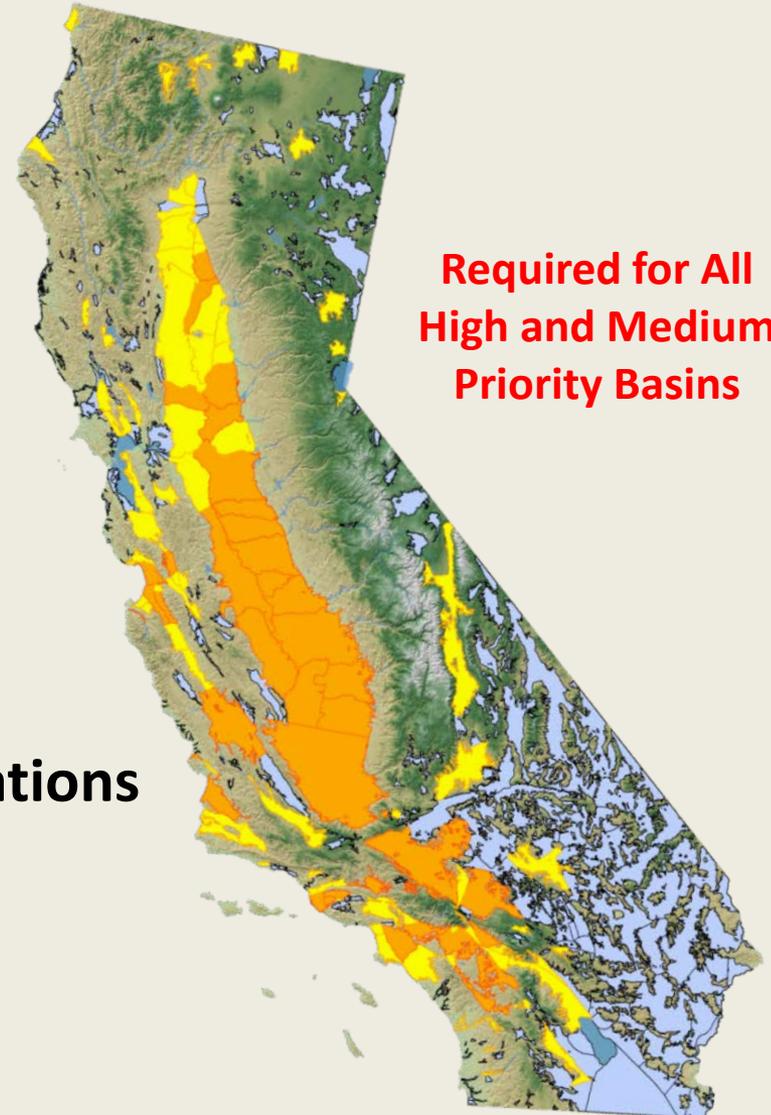
Local Agencies
Plan Development
Plan Implementation

Department of Water Resources
Plan Evaluation
Statewide Minimum Standards
Technical & Financial Assistance

**Sustainable
Groundwater
Management**

GSP Regulation Articles

1. **Introductory Provisions**
2. **Definitions**
3. **Technical & Reporting Standards**
4. **Procedures**
5. **Plan Contents**
6. **Department Evaluation & Assessment**
7. **Annual Reports and Periodic Evaluations by the Agency**
8. **Interagency Agreements**
9. **Alternatives**





ARTICLE 1. INTRODUCTORY PROVISIONS

Provides regulation intent, authority, and methods and criteria used by the Department to evaluate those plans, alternatives, and coordination agreements and information required by the Department to facilitate that evaluation.

§ 350.2. Applicability

§ 350.4. General Principles



ARTICLE 2. DEFINITIONS

Provides the simple key terms used in the regulation.

- *The definitions in SGMA, Bulletin 118, and Basin Boundary Regulations apply to these regulations.*
- *In the event of conflicting definitions, the definitions in SGMA govern the meanings in this regulation.*



ARTICLE 3. TECHNICAL AND REPORTING STANDARDS

This Article describes the monitoring protocols, standards for monitoring sites, and other technical elements related to the development or implementation of a Plan.

§ 352.2. Monitoring Protocols

§ 352.4. Data and Reporting Standards

§ 352.6. Data Management System



ARTICLE 4. PROCEDURES

This Article describes various procedural issues related to the submission of Plans and public comment to those Plans.

§ 353.2. Information Provided by the Department

§ 353.4. Reporting Provisions

§ 353.6. Initial Notification

§ 353.8. Comments

§ 353.10. Withdrawal or Amendment of Plan



ARTICLE 5. PLAN CONTENTS

This Article describes the required contents of Plans submitted to the Department for evaluation, including administrative information, a description of the basin setting, sustainable management criteria, description of the monitoring network, and projects and management actions.



Article 5. Plan Contents

1. Administrative Information

- § 354.4. General Information
- § 354.6. Agency Information
- § 354.8. Description of Plan Area
- § 354.10. Notice & Communication

2. Basin Setting

- § 354.14. Hydrogeologic Conceptual Model
- § 354.16. Groundwater Conditions
- § 354.18. Water Budget
- § 354.20. Management Areas

3. Sustainable Management Criteria

- § 354.24. Sustainability Goal
- § 354.26. Undesirable Results
- § 354.28. Minimum Thresholds
- § 354.30. Measurable Objectives

4. Monitoring Networks

- § 354.34. Monitoring Network
- § 354.36. Representative Monitoring
- § 354.38. Assessment & Improvement
- § 354.40. Reporting Monitoring Data to the Department

5. Projects and Management Actions

- § 354.44. Projects & Management Actions

Undesirable Results

Significant and Unreasonable



Lowering
GW Levels



Reduction
of Storage



Seawater
Intrusion



Degraded
Quality



Land
Subsidence



Surface Water
Depletion



ARTICLE 6: DEPARTMENT EVALUATION AND ASSESSMENT

This Article describes the methodology and criteria used by the Department to evaluate and assess a Plan, periodically evaluate and assess the implementation of a Plan, or evaluate and assess amendments to a Plan.

§ 355.2. Department Review of Adopted Plans

§ 355.4. Criteria for Plan Evaluation

§ 355.6. Periodic Review of Plan By Department

§ 355.8. Department Review of Annual Reports

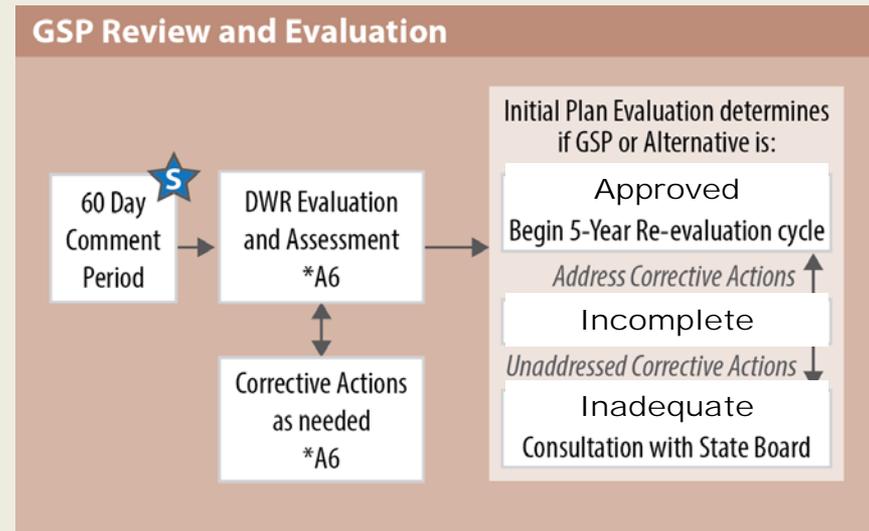
§ 355.10. Plan Amendments

Article 6.

Evaluation and Assessment

§ 355.2. Department Review of Initial Adopted Plan

- GSA(s) submit GSP(s)
- DWR posts GSPs to website within 20 days
- 60 day public comment period
- DWR evaluates GSP within two years
- DWR approval determination
- DWR may identify GSP deficiencies and recommend corrective actions



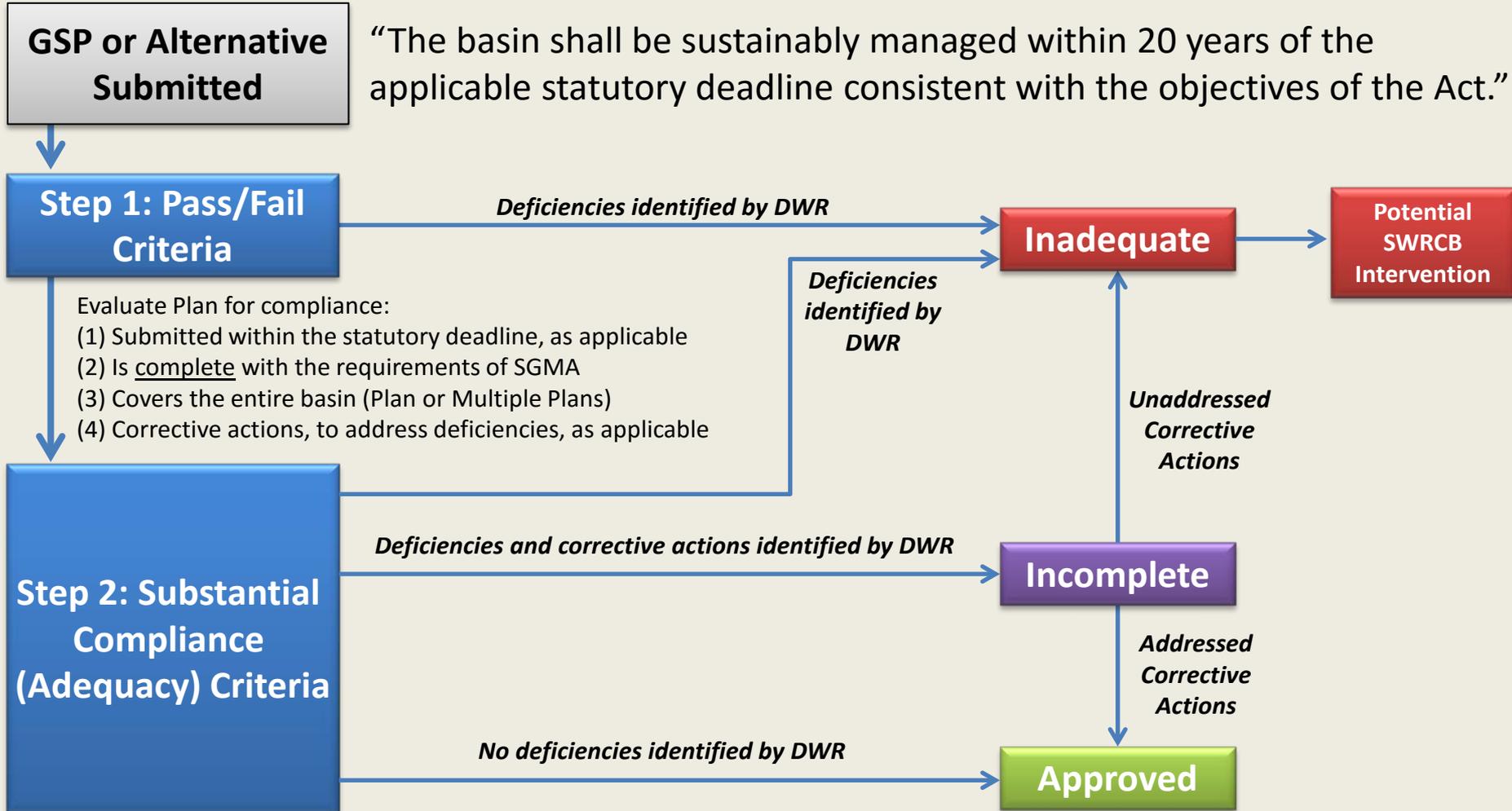


Article 6.

Evaluation and Assessment

§ 355.4. Criteria for Plan Evaluation

“The basin shall be sustainably managed within 20 years of the applicable statutory deadline consistent with the objectives of the Act.”





ARTICLE 7. ANNUAL REPORTS AND PERIODIC EVALUATIONS BY THE AGENCY

This Article describes the procedural and substantive requirements for the annual reports and periodic evaluation of Plans prepared by an Agency.

§ 356.2. Annual Reports

§ 356.4. Periodic Evaluation by Agency



ARTICLE 8. INTERAGENCY AGREEMENTS

This Article describes the requirements for voluntary coordination agreements between agencies in different basins and mandatory coordination agreements between agencies within a basin developed pursuant to Water Code Section 10727.6.

§ 357.2. Interbasin Agreements

§ 357.4. Coordination Agreements



ARTICLE 9. ALTERNATIVES

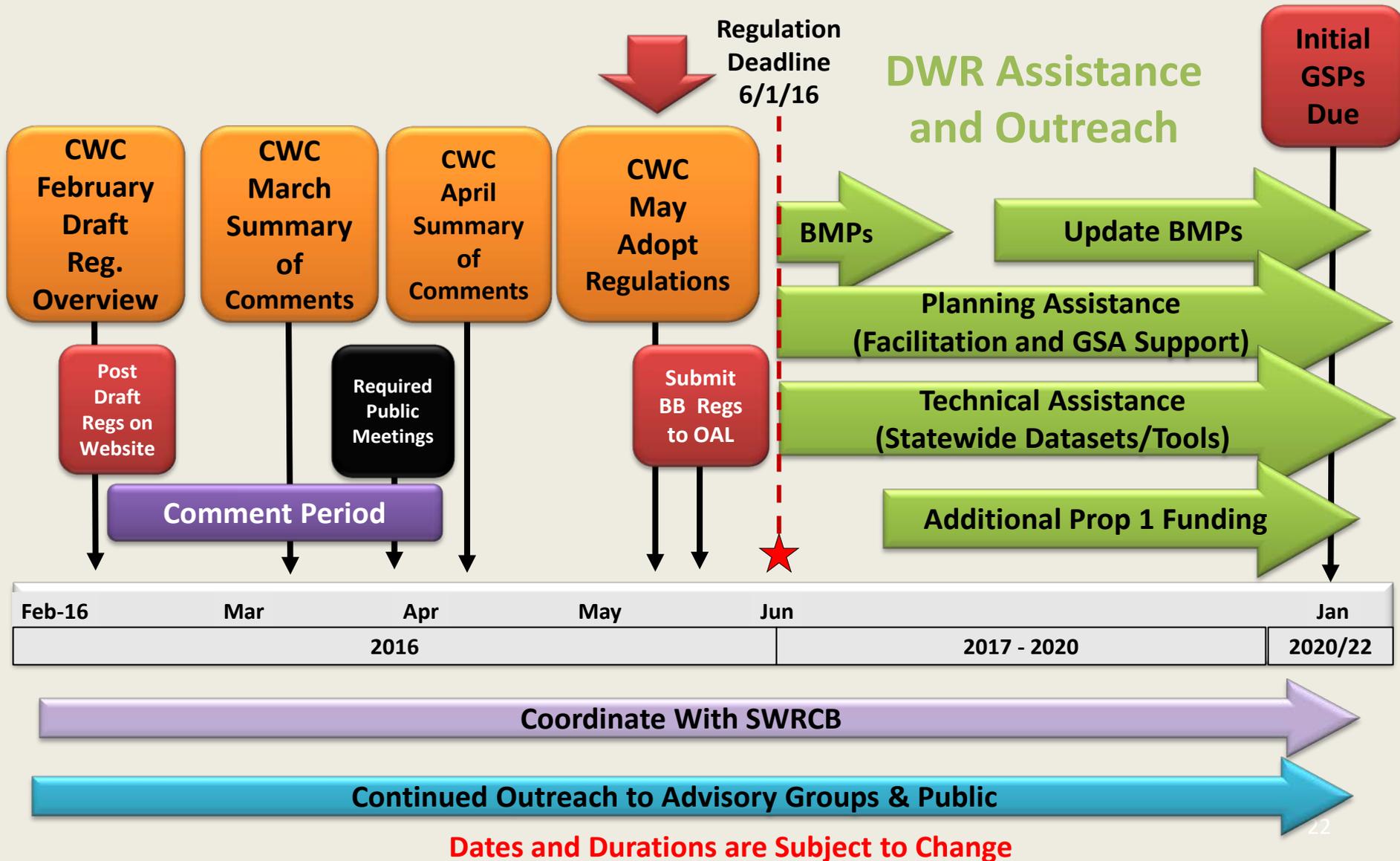
This Article describes the methodology and criteria for the submission and evaluation of Alternatives.

§ 358.2. Alternatives to Groundwater Sustainability Plans

§ 358.4. Department Evaluation of Alternatives



Next Steps Timeline



Next Steps

DWR's Upcoming Program Implementation

- Develop BMPs
- Update Bulletin 118
- Proposition 1 Funding
- Water Available for Replenishment
- Data Management Framework
- Regional Water Budget Support
- Update Well Standards
- GSA Support

