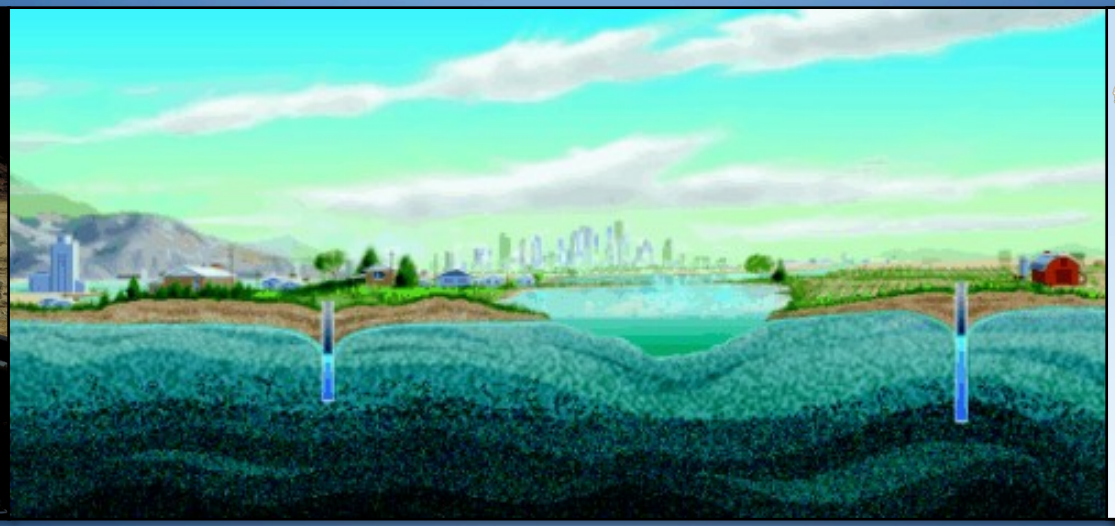
DWR's Sustainable Groundwater Management Implementation

Data Sharing Coordination and Transparency
DWR and SGMA

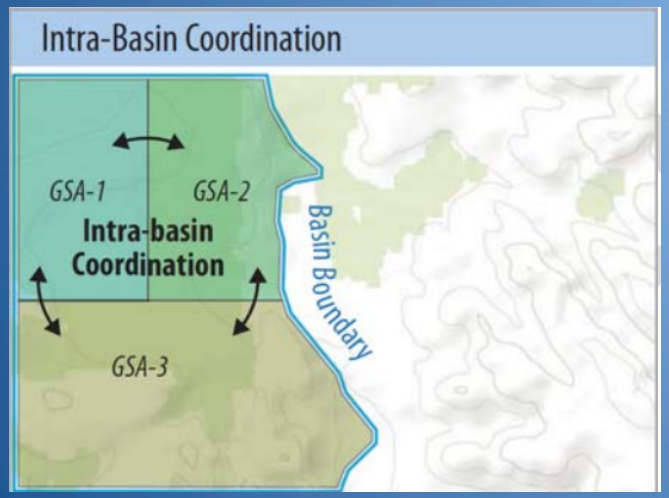


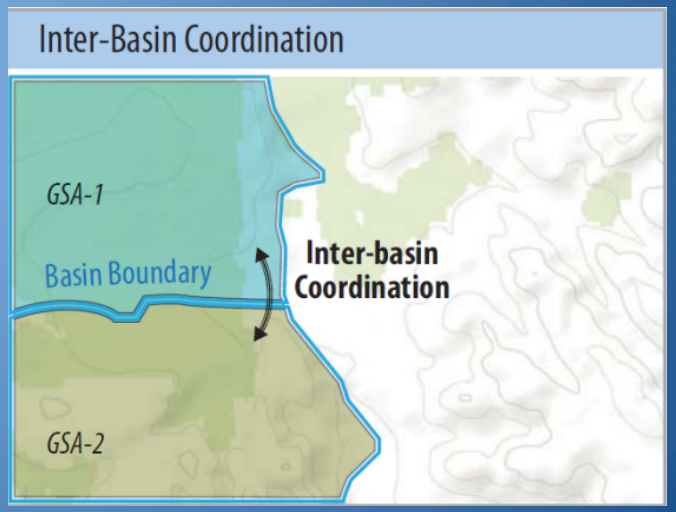
Water in the West
Groundwater Data in the SGMA Context
January 29, 2016

SGMA Data Coordination

SGMA Requirements for Intra-Basin Coordination (§10727.3)…

GSAs shall coordinate with other agencies preparing a groundwater sustainability plan within the basin to ensure that the ***plans utilize the same data and methodologies*** *for the following assumptions in developing the plan: a) gw elevation, b) gw extraction, c) sw supply, d) total water use, e) change in gw storage, f) water budget, g) sustainable yield*



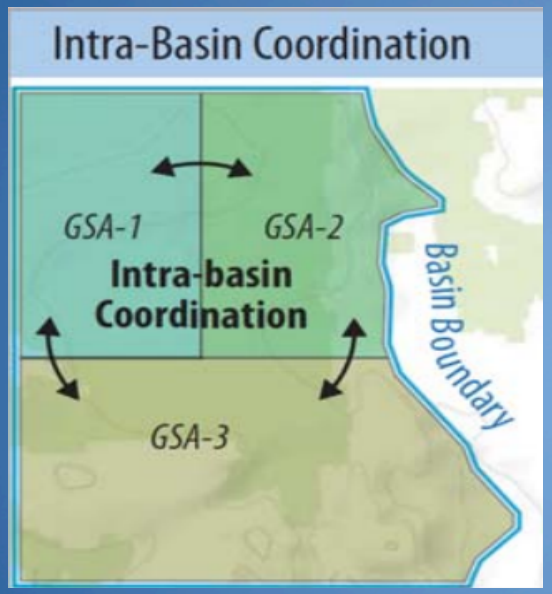


- **Coordination Agreement is required if there are multiple GSPs in basin (§10726.6)**
- **DWR shall evaluate if one GSP adversely affects an adjacent GSP (§10733(c))**

SGMA Data Coordination

Intra-Basin

(Within Basin)



Coordination Agreement

GSA-1 → GSP-1

GSA-2 → GSP-1

GSA-3 → GSP-2

GSP "whole basin" Requirements

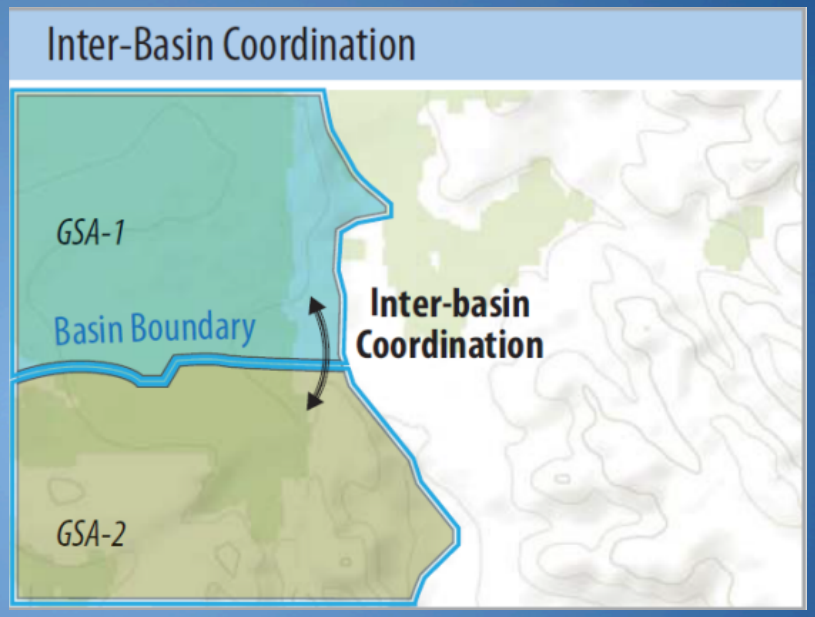
1. Coordinated GSP- includes summary document submitted with multiple GSPs where multiple GSAs exist within one basin
   a) Sustainability Goal
   b) Sustainable Yield
      I. Undesirable Results
   c) State of the Basin
      I. Hydrogeologic Conceptual Model
      II. Water Budget/Baseline
   d) Monitoring Plan
2. Annual Report

Draft – For Discussion Purposes Only (Subject to Change)

Coordination Agreements

Inter-Basin (Between Hydraulically Connected Basins)

- **Technical Requirements**
  - Water budget information necessary to estimate groundwater flux across basin boundaries
  - Estimate of stream-aquifer interactions at boundaries



- **Narrative Requirements**
  - Description of how GSAs interact between adjacent hydraulically connected basins and how the GSAs will not adversely affect adjacent hydraulically connected basins
  - Description of how conflicts will be identified and resolved
- **Not a duplication of Intra Basin Coordination requirements**

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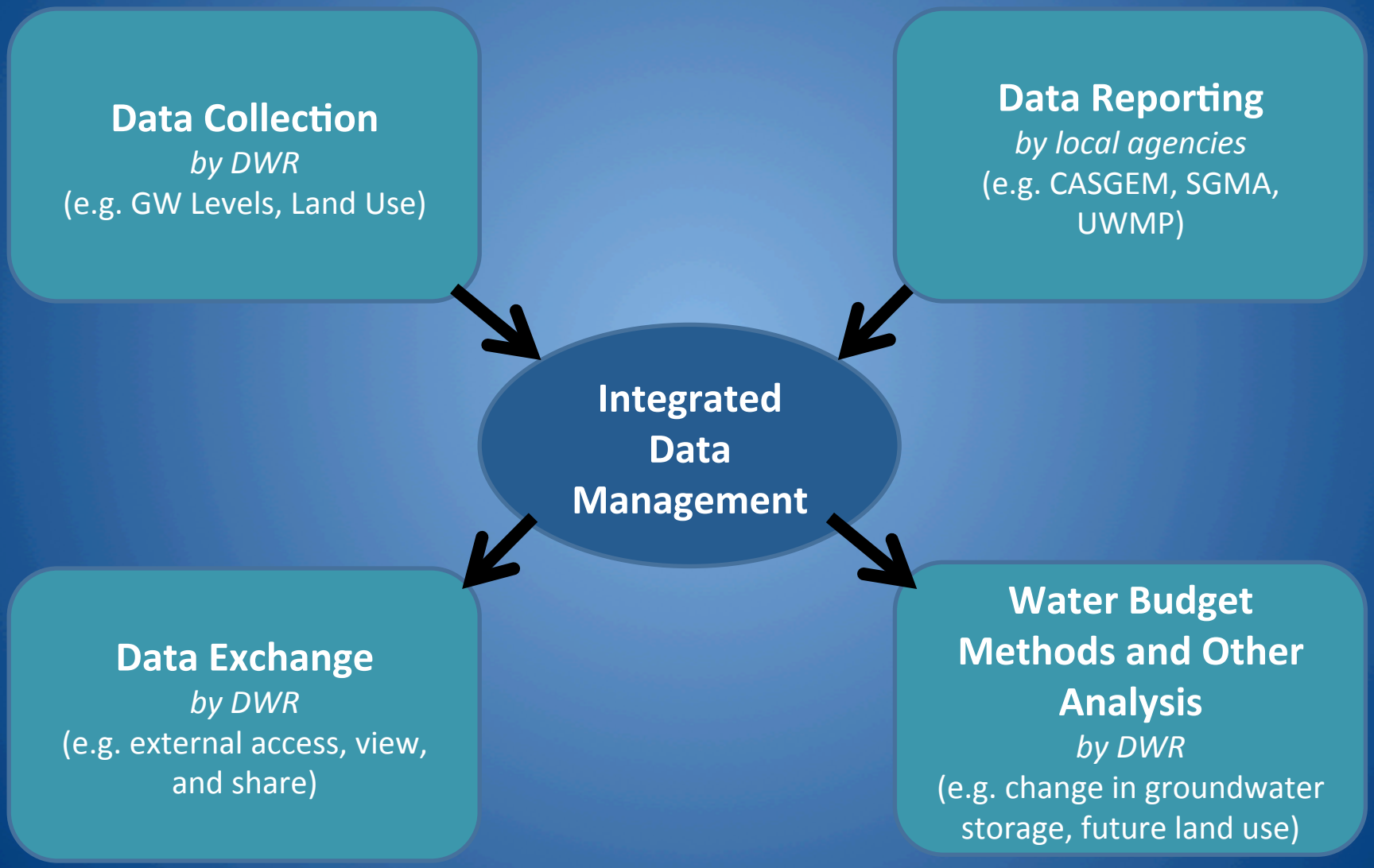
DRW Strategic Vision and Framework for Data Collection and Management

- Describes the current conditions for data, tools, and water budget methods
- Identifies legislation and other drivers and linkages to SGMA and CWAP.
- Describes intended outcomes and benefits for data and tool investments.
- Defines vision, objectives, and actions to implement an integrated data framework to support SGMA implementation and the CWAP.

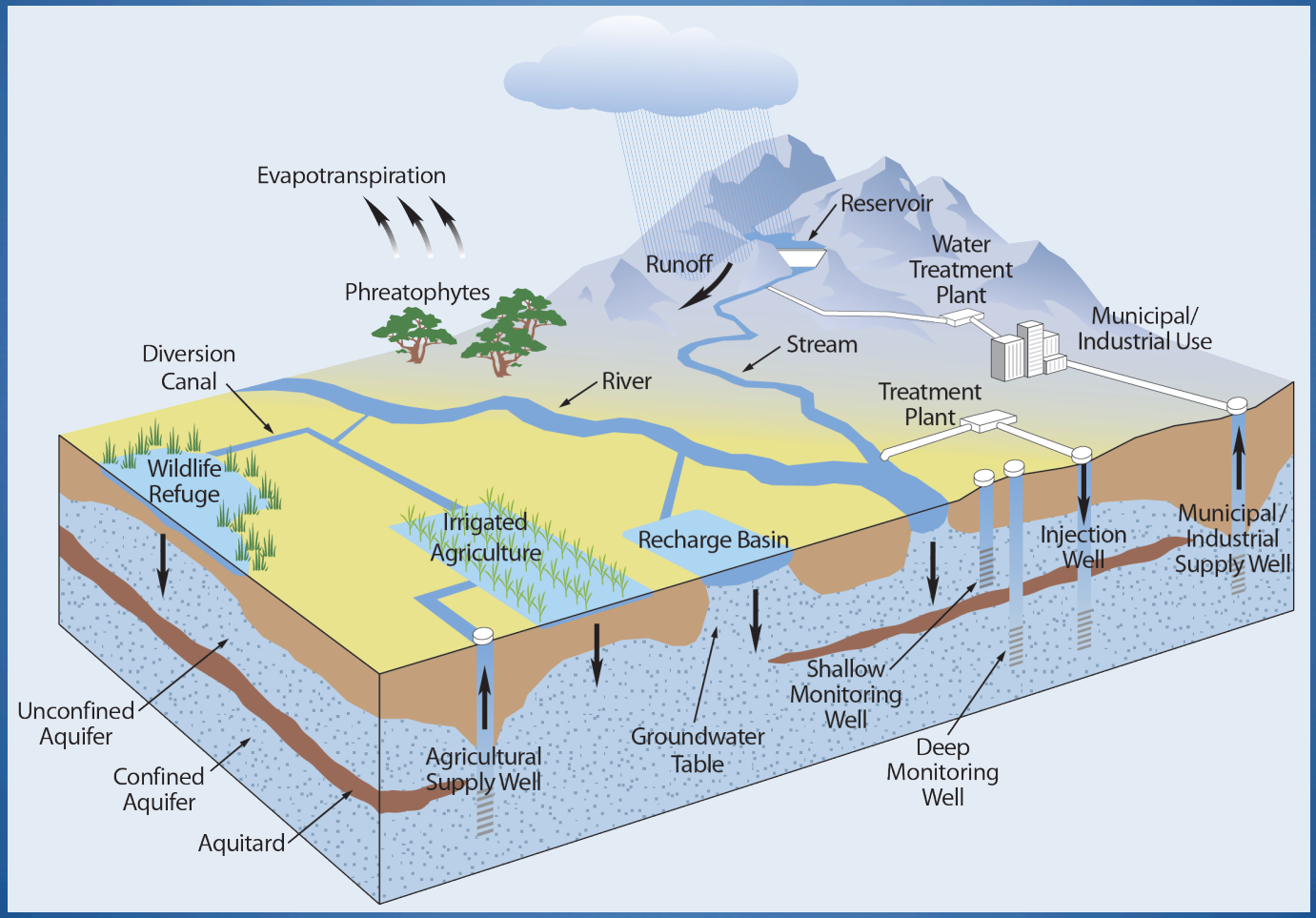
Key Findings on Current DWR Business Practices

- ***Standardization***
- ***Consistency***
- ***Quality Control***
- ***Basic Data and Data Coverage***
- ***Programmatic***
- ***Tools***

Data Framework and Tools Needed to Support IWM



Comprehensive Water Budgets and Water Reliability Maps Needed to Support IWM



Benefits of Integrated Data Framework

- Reduced redundancy and duplicative efforts.
- Increased efficiency and reduced costs of reconciliation.
- Increased access, usability, and consistency.
- Increased transparency, credibility and acceptance.
- Meets legislative mandates and policy provisions (e.g., SGMA and CWAP).