



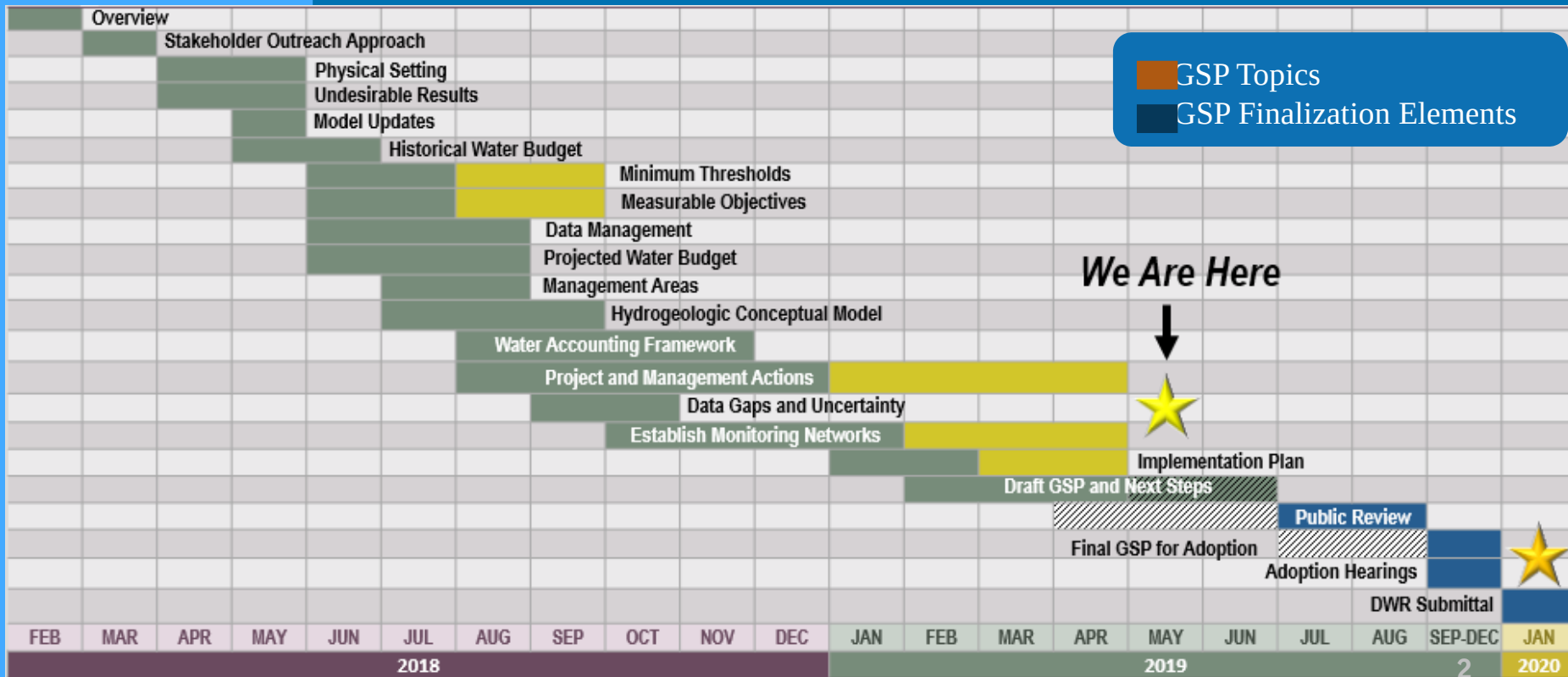
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**Materials for GSA Outreach  
May 2019**

# GSP Topics & Project Schedule



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# Water Budget Planning Estimates

# What is Sustainable Yield?



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“Sustainable yield means the maximum quantity of water, calculated over a base period representative of long-term conditions in the basin and including any temporary surplus, that can be withdrawn annually causing an undesirable result.”

California Water Code Section 10721

## Undesirable Results:



**Chronic Lowering of Groundwater Levels**



**Reduction in Groundwater Storage**



**Seawater Intrusion**



**Degraded Water Quality**



**Land Subsidence**



**Depletion of Interconnected Surface  
Water**



# Board Action on Water Budget Planning Estimates



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- The GWA Board approved using the low-end estimate of long-term average groundwater pumping reductions needed to meet sustainable yield as the basis for developing an initial implementation plan (78,000 AFY).
- The initial implementation plan will include projects and management actions aimed at using non-groundwater supplies in lieu of groundwater, reductions in total water demand, and / or increasing recharge to the groundwater basin to achieve sustainable yield by 2020.
- Using the lower end estimate for the 2020 GSP will prevent over-planning projects in the 2020-2025 timeframe, while data is being collected and analyzed to further refine and verify sustainable yield estimates.



# Sustainable Management Criteria

# Staff Workshop Held on Sustainable Management Criteria



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## GSA Staff Workshop 4/3







### Workshop Objectives:

- Go over the details of the sustainable management criteria and projects and management actions
- Identify policy decisions related to minimum thresholds, measurable objectives, monitoring network, and projects and management actions to be brought to Advisory Committee
- These topics will be presented to the GWA Board in May

# Overview of Six Sustainability Indicators



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-  **Chronic Lowering of Groundwater Levels**
-  **Reduction in Groundwater Storage**
-  **Seawater Intrusion**
-  **Degraded Water Quality**
-  **Land Subsidence**
-  **Depletion of Interconnected Surface Water**



# Board Action on Addressing Sustainability Indicators



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The GWA Board voted to fully address all six sustainability indicators with minimum thresholds and measurable objectives. Where applicable, minimum thresholds and measurable objectives for groundwater levels can be used as a proxy for other sustainability indicators in accordance with DWR guidance.



# Monitoring, Measuring and Model Refinements

# Monitoring, Measuring, and Model Refinements



The following actions are required by SGMA:

- Monitoring and reporting
- Data collection and analysis
- Administrative actions
- 5-year update
- DMS updates
- Public outreach
- Website maintenance
- Legal support
- Grant writing

# Board Action on Monitoring, Measuring, and Model Refinements



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The GWA Board voted that measuring, reporting, and model verification and refinement activities be completed at the basin scale, as opposed to at the local GSA scale, subject to a financing plan with appropriate cost share allocations to be developed following GSP adoption.





# Project Implementation



# Board Action on Project Implementation



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The GWA Board voted that projects in the GSP Implementation Plan be developed and implemented at the GSA level. This allows for GSAs to lead projects in their area and have full responsibility and authority regarding those projects as they typically do as an agency. GSAs with projects in the GSP may work with additional parties in the development of their projects, or may request that the JPA considers implementing projects on their behalf, at its sole discretion.



# Outreach & Groundwater Sustainability Workgroup Update

# Groundwater Sustainability Workgroup Update



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- 7 Workgroup members and 3 members of the public attended the Groundwater Sustainability Workgroup meeting held on April 10th
- The next Workgroup meeting will be held on May 8<sup>th</sup> at 4:00pm at the San Joaquin County Public Works Department
- Notes from Workgroup meeting are available on the website, [esjgroundwater.org](http://esjgroundwater.org) (under 'Agendas' tab)
- The April Workgroup focused on sustainability indicators and undesirable results, along with monitoring network

# Groundwater Sustainability Workgroup Update



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Eastern San Joaquin Groundwater Authority Groundwater Sustainability Workgroup  
April 10, 2019  
4 – 5:30 p.m.  
San Joaquin County Public Works Department  
1810 E. Hazelton Ave., Stockton, CA  
Conference Room A

#### Agenda

- I. Welcome
- II. Meeting Objectives
- III. Interconnected Surface Water
  - Discussion: Identification of current or historical undesirable results
- IV. Sustainability Indicators (Seawater Intrusion, Storage, Subsidence)
  - Presentation and Discussion: Walk through Minimum Thresholds and Measurable Objectives for a subset of sustainability indicators
- V. Monitoring Network
  - Presentation and Discussion: Understand and review the proposed monitoring network
- VI. Announcements
- VII. Other Topics
  - a. Non-agenda Items
  - b. Public Comment





# DWR Update





# Technical Support Services Funding Update



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- DWR's Technical Support Services (TSS) provides funding to construct monitoring wells in areas where data gaps exist.
- The TSS application for the Eastern San Joaquin Subbasin has been approved to go to the next level, and the formal agreement is underway.