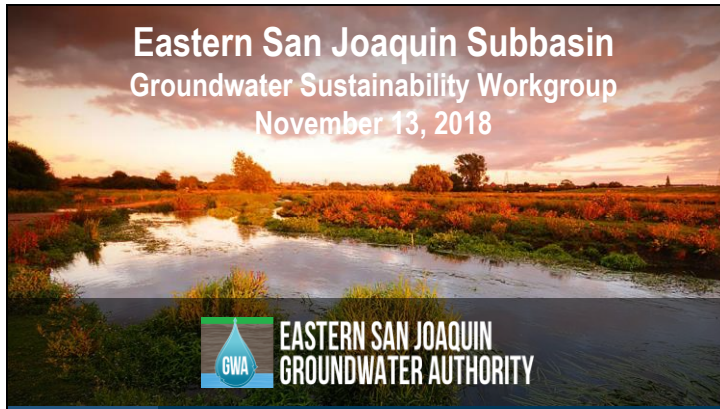


Slide 1



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Slide 2

	<h1>Agenda</h1> 
	<ul style="list-style-type: none"><li>• Comments on Meeting Notes</li><li>• Projects and Management Actions</li><li>• Data Management System (DMS) Demo</li><li>• Public Meeting Recap and Outreach</li><li>• Follow-Up from Last Meeting</li><li>• Announcements</li><li>• Other Topics</li></ul> <p style="text-align: right;">2</p>

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**Comments Received** 

To address:

- Communicating our discussions to the GWA Board
- Is groundwater recharge a “beneficial use”?

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**Communicating Our Discussions to the GWA Board**



- Concerns about communicating Workgroup messages to the GWA Board
  - Each month at the Board meeting, we give an overview of the Workgroup discussion including attendees, discussion topics, and key takeaways
  - Meeting summaries are provided in the Board packet

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### Is Groundwater Recharge a "Beneficial Use"?



- Is groundwater recharge a beneficial use?
  - Groundwater recharge itself is not a beneficial use. After it is withdrawn, the following uses of recharge are beneficial uses.

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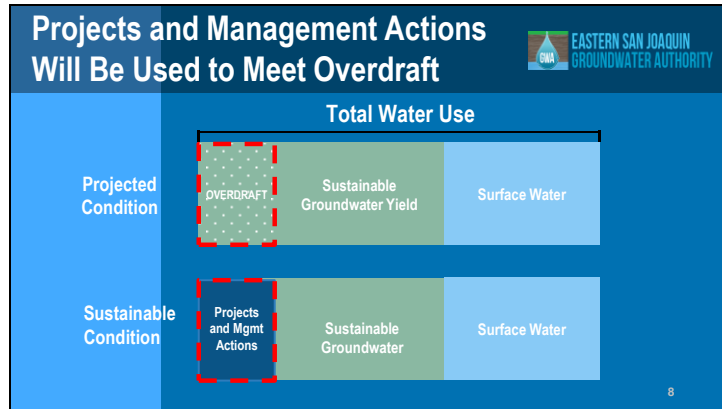
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**Review – Categories of Projects and Management Actions**



- Flood/Stormwater Management
- Recycling
- Conservation
- Recharge
- Transfers

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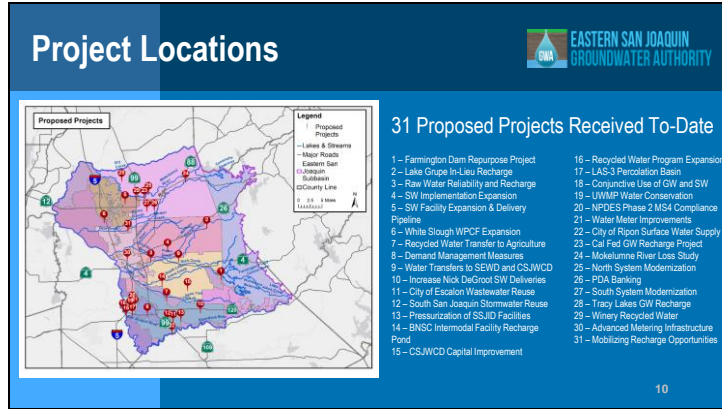
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Projects Received – Part 1 of 3			
			
Project #	Project Description	Submitting GSA	Category
1	Farmington Dam Repurpose Project	SEWD	Recharge
2	Lake Grupe In-Lieu Recharge	SEWD	Recharge
3	Raw Water Reliability and Recharge	SEWD	Recharge
4	SW Implementation Expansion	SEWD	SW Supply
5	SW Facility Expansion & Delivery Pipeline	City of Lodi	SW Supply
6	White Slough WPCF Expansion	City of Lodi	Recycling
7	Recycled Water Transfer to Agriculture	City of Manteca	Recycling/Transfers
8	Demand Management Measures	City of Manteca	Conservation
9	Water Transfers to SEWD and CSJWCD	SSJ GSA	Transfers
10	Increase Nick DeGroot SW Deliveries	SSJ GSA	SW Supply
11	City of Escalon Wastewater Reuse	SSJ GSA	Recycling

Highlighted projects included in baseline

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### Projects Received – Part 3 of 3



Project #	Project Description	Submitting GSA	Category
23	Cal Fed GW Recharge Project	NSJWCD	Recharge
24	Mokelumne River Loss Study	NSJWCD	Accounting
25	North System Modernization	NSJWCD	SW Supply
26	PDA Banking	NSJWCD	SW Supply
27	South System Modernization	NSJWCD	SW Supply
28	Tracy Lakes GW Recharge	NSJWCD	Recharge
29	Winery Recycled Water	NSJWCD	Recycling/Recharge
30	Advanced Metering Infrastructure	City of Stockton	Accounting
31	Mobilizing Recharge Opportunities	San Joaquin County	Recharge

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**Project Assessment** 

Projects were reviewed using the criteria developed by the Advisory Committee:

1. Implementability
2. Location / Proximity to Area of Overdraft
3. Cost per Volume Water Savings
4. Environmental Benefit / Impact
5. Disadvantaged Community Benefit
6. Water Quality Impact (Positive or Negative)

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**Question 1: Completeness of Projects List**



Is this preliminary project list complete as a starting point for developing the GSP implementation plan? **Somewhat (52%), Yes (26%), No (22%)**

What's missing?

- **Discussion of NSJWCD projects**
- Discussion of projects in baseline
- Basin-scale fallowed lands program
- More stormwater capture and grey water uses
- Projects that provide drinkable water to contaminated water users
- Water banking programs
- Hybrid of proposed projects

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Question 2: Range of Project Types	 EASTERN SAN JOAQUIN GROUNDWATER AUTHORITY
	<p>Does this list reflect a wide enough range of project types to be considered for the implementation plan? <b>Yes (56%), Somewhat (32%), No (12%)</b></p> <p>Additional suggested projects include:</p> <ul style="list-style-type: none"><li>• Projects upstream of overdraft areas rather than downstream solutions</li><li>• Direct benefits to areas of depression</li><li>• Conservation projects (farm improvements demonstration)</li><li>• Recharge ponds and field flooding</li><li>• Large storage projects</li><li>• Water rights modifications</li></ul> <p>16</p>

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**Question 3: Consistency with Regional Values**



Are the projects in the preliminary list consistent with regional groundwater values (see next slide)? **Somewhat** (52%), **Yes** (44%), **No** (4%)

Why not?

- *Feasibility and affordability concerns*
- Not enough information provided
- Heavy reliance on SW supply projects may increase vulnerability

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The slide, titled 'Regional Groundwater Values', lists 12 criteria in a 3x4 grid. The Eastern San Joaquin Groundwater Authority logo is in the top right. The criteria are:

Be implemented in an equitable manner	Be affordable and accessible	Exhibit multiple benefits to local land owners and other participating agencies	Minimize and mitigate adverse impacts to the environment including climate change
Maintain or enhance the local economy	Minimize adverse impacts to entities within the Subbasin	Maintain overlying landowner and Local Agency control of the Subbasin	Protect the rights of overlying land owners
Protect groundwater and surface water quality	Provide more reliable water supplies	Restore and maintain groundwater resources	Increase amount of water put to beneficial use within the Subbasin

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## Question 4: Addressing All 6 Sustainability Indicators



Are there any sustainability indicators that are not adequately addressed through the preliminary projects list (see next slide)? **No (41%), Somewhat (33%), Yes (26%)**

Which sustainability indicators are not addressed?

- *Water Quality*
- Depletion of interconnected surface waters and GDEs

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### Question 5: Reducing Demand or Increasing Supply



Which do you feel is more important to achieving sustainability, reducing total demand or increasing surface water supply to meet projected demands? Equally Important (42%), Increasing SW Supply (39%), Reducing Demand (19%)

What considerations should be made?

- Affordability
- Unpredictable variation in hydrology (drought) and regulatory conditions
- Projected future demands

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**Question 6: Significant Concerns on Any Projects** 

Are there any projects in the preliminary list with which you have significant concerns? **No (44%), Yes (37%), Somewhat (19%)**

Which projects?

- High cost/volume projects
- Recycled water programs
- Projects that rely on landowner expenditure
- Projects that rely on additional surface water supplies from Calaveras River
- Localized projects

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**Question 7: Fatal Flaws**  EASTERN SAN JOAQUIN  
GROUNDWATER AUTHORITY

Are there any projects on the preliminary list with "fatal flaws you are aware of that would preclude them from being able to be implemented within the SGMA timeframe"? **Somewhat (38.5%), No (38.5%), Yes (23%)**

Which projects?

- Those with higher costs
- Projects with funding, costs, permitting challenges
- Large scale projects (but these would make a good longer-term projects)

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<b>Question 8: Small or Large Projects?</b>	 EASTERN SAN JOAQUIN GROUNDWATER AUTHORITY
	<p>Should the GSP implementation plan include a small number of large projects or a large number of small/medium projects? Large number of small/medium projects (87.5%), Small number of large-sized projects (12.5%)</p> <p>Others?</p> <ul style="list-style-type: none"><li>• Include a mix of both</li><li>• Whichever is most cost-effective and feasible</li><li>• Prioritize projects with biggest GW gain and regional benefit</li></ul> <p>*General consensus that costs, location, feasibility, and benefit are more important than size. Overall support for a mix of sizes.</p>

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Question 9: Targeting DAC Benefits	 EASTERN SAN JOAQUIN GROUNDWATER AUTHORITY
	<p>Should the implementation plan include projects targeting disadvantaged communities (DAC) benefits even if they are not the most cost-effective options for overall regional sustainability? <b>Yes (60%), No (40%)</b></p> <p>Comments:</p> <ul style="list-style-type: none"><li>• <i>Projects should be developed to align with grant funding</i></li><li>• This is more important for water quality benefits</li><li>• Project accommodation to deepen wells or provide alternate water sources would be beneficial</li></ul> <p>25</p>

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**What is the Data Management System (DMS)?**



**A Flexible, One-Stop Shop for Managing Groundwater Data**

- Allows for transparent and efficient data entry and visualization
- Allows for coordination and sharing of data
- Allows for automated reporting
- Will support sustainable groundwater management monitoring and give ESJ the ability to track undesirable results

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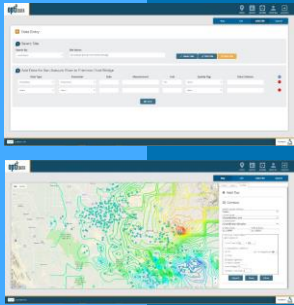
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**DMS Features**



**EASTERN SAN JOAQUIN  
GROUNDWATER AUTHORITY**

- Web-based, GIS-enabled
- Easy-to-Use
- Flexible Data Structure to Store and Manage Different Datasets
- User and Agency Security/Permissions
- Data Entry and Validation
- Visualization and Analysis
- Query and Reporting
- Framework to Link to other Data Management Systems and Modeling Results
- Viewing capabilities for publicly available information

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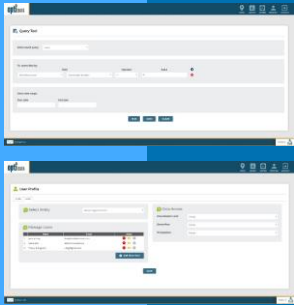
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## How Will the DMS be Used?





- The DMS will create a centralized and integrated repository for multiple data sources managed by stakeholders
- Data sharing portal to enable utilization of the same data and tools for visualization and analysis
- Interface with model results to support groundwater modeling and analysis
- Generate reports for management and other agencies (DWR, etc.)
- Track sustainability criteria and management objectives

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## How the DMS Will Evolve?



- Collect and input additional data – member agency and other stakeholder data sets, GIS, etc.
- Onboard stakeholders for local control and efficient data management
- Integrate model viewing capabilities and model results to support water budget development
- Implement reporting capabilities compatible with DWR SGMA portals

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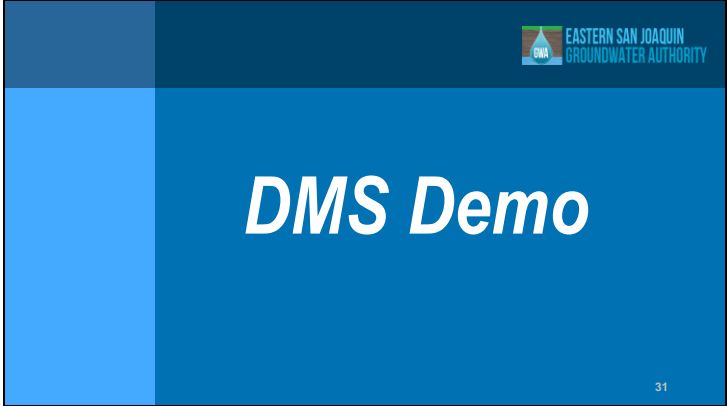
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Slide 31



The slide features a dark blue header with the Eastern San Joaquin Groundwater Authority logo on the right. The main body of the slide is a lighter blue with the text ***DMS Demo*** centered in white. The number 31 is located in the bottom right corner of the slide.

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## Second Informational Meeting



**November 7<sup>th</sup>, 6:30-8:00 PM**  
**Manteca Transit Center**  
220 Moffat Blvd.  
Manteca, CA 95336

- For those of you who attended, do you have any comments or feedback on the event?

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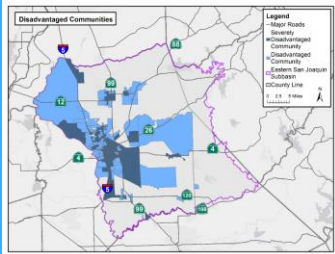
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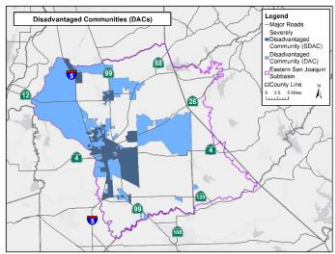
# The DAC Map Has Been Updated with New Data from DWR



Previous Version (2015)



Updated Version (2016)



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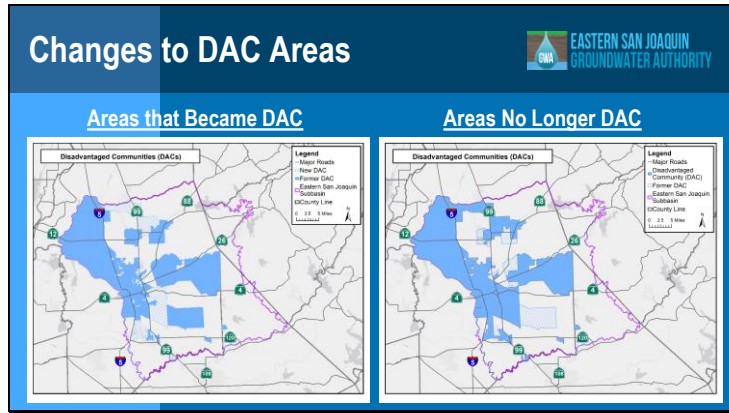
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## DAC Statistics



	Average Domestic Well Depth (ft)	Domestic Well Count
<b>Basin-Wide</b>	230.2	10,034
<b>Outside DACs</b>	235.4	7,829
<b>Within DACs</b>	211.6	2,205

2,205 domestic wells located in DAC areas  
DAC average domestic depth = 211.6 ft

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GSA	% of GSA that is a DAC	% of GSA that is not a DAC
Lockeford Community Services District	67%	33%
Linden County Water District	50%	50%
City of Manteca	33%	67%
City of Lathrop	50%	50%
Central San Joaquin Water Conservation District	50%	50%
North San Joaquin Water Conservation District	40%	60%
South Delta Water Agency	33%	67%
South San Joaquin GSA	30%	70%
Woodbridge Irrigation District	44%	56%
City of Lodi	75%	25%
Stockton East Water District	45%	55%
City of Stockton	58%	42%
Central Delta Water Agency	50%	50%
Oakdale Irrigation District	33%	67%
Eastside San Joaquin GSA	17%	83%
San Joaquin County	43%	57%
San Joaquin County No. 2	60%	40%

MINORITY

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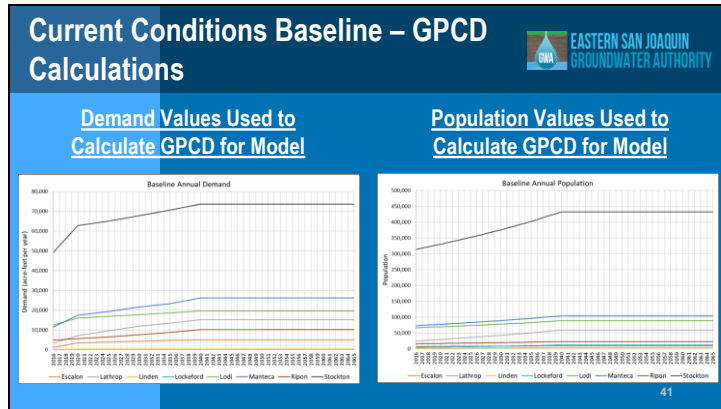
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**Situation Assessment**



- Situation Assessment interviews have wrapped up
- We anticipate Lisa Buetler will present at the next Workgroup meeting, giving an overview of findings and next steps

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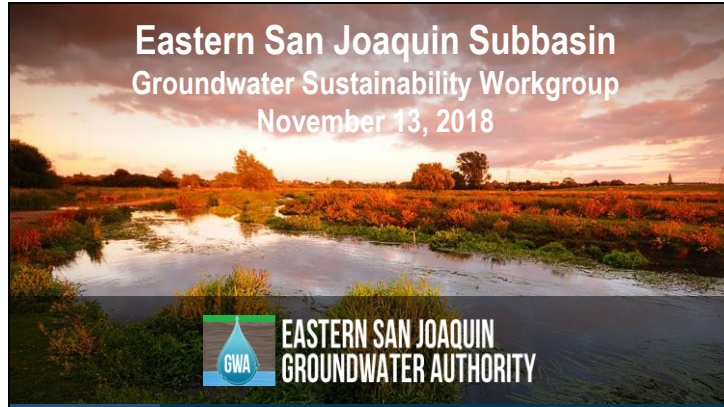
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Slide 44



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