



Eastern Municipal Water District

Our Values: Public Trust, Honesty and Integrity, Responsibility, Loyalty, Courtesy, Human Value, Safety, and Community

West San Jacinto Groundwater Sustainability Agency Stakeholder Advisory Group Meeting Minutes January 14, 2020 from 10:00 am to 11:30 am in Room 101 (Community Room)

We Value: Safety – Ensure individual safety and the safety of coworkers and the public, without compromise. We believe in promoting creativity and opportunity for self-development; providing fair compensation; and recognizing excellence.

Attendees:

EMWD	EMWD	H-SJ WATERMASTER
<input type="checkbox"/> Alexander, Lanaya	<input checked="" type="checkbox"/> Powell, Brian	<input type="checkbox"/> Mortazavi, Behrooz
<input checked="" type="checkbox"/> Copeland, Stena	<input checked="" type="checkbox"/> Thomas, Daniel	MARCH AIR RESERVE BASE
<input checked="" type="checkbox"/> Daverin, John	<input type="checkbox"/> Wall, Jeff	<input checked="" type="checkbox"/> Lehto, Eric
<input checked="" type="checkbox"/> Dotinga, John	<input type="checkbox"/> Ward, John	<input checked="" type="checkbox"/> Waters, Douglas
<input type="checkbox"/> Fine, Amanda	<input checked="" type="checkbox"/> Wedeking, Matthew	NUEVO WATER COMPANY
<input type="checkbox"/> Ghaderi, Khos	<input type="checkbox"/>	<input type="checkbox"/> Robbins, Cinthia
<input type="checkbox"/> Gonzalez, Juan	CITY OF PERRIS	WMWD
<input checked="" type="checkbox"/> Gray, Rachel	<input type="checkbox"/> Ajobiewe, Stephen	<input type="checkbox"/> Shaw, Ryan
<input type="checkbox"/> Javier, Al	DEPT. OF WATER RESOURCES	WOODARD & CURRAN
<input type="checkbox"/> Kanetis, Nick	<input checked="" type="checkbox"/> Chatha, Pakiza	<input checked="" type="checkbox"/> Fordunski, Janet
<input checked="" type="checkbox"/> Kirk, Leighanne	<input type="checkbox"/> Ross, Timothy	<input type="checkbox"/> Taghavi, Ali
<input type="checkbox"/> Kowalski, Greg	DUDEK	CITY OF CORONA
<input checked="" type="checkbox"/> Mouawad, Joe	<input type="checkbox"/> Ohlund, Bob	<input checked="" type="checkbox"/> Melissa
<input type="checkbox"/> Ng, Gordon	<input checked="" type="checkbox"/> Weinberger, Jill	

AGENDA ITEMS	PRESENTER
Introductions: Brief introductions among the group and those participating via phone were conducted.	All
Project Overview: <ul style="list-style-type: none"> The Sustainable Groundwater Management Act (Act) was signed into law on September 16, 2014, and became effective in January 2015. The Act requires the formation of groundwater sustainability agencies (GSAs) for high and medium priority groundwater basins, as defined by the Department of Water Resources, and GSAs must prepare and submit a groundwater sustainability plan (GSP) to the Department of Water Resources by 2022. The GSP must outline a plan to achieve and maintain sustainability within 20 years of its adoption. The consultant has found that Eastern Municipal Water District has proven to be a 	Dudek



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responsible steward of the West San Jacinto Basin (Basin), as groundwater storage and elevations have been increasing over time. As such, the GSP will detail how the District will continue to maintain sustainability of the basin through the required GSP. Eastern Municipal Water District is responsible for all non-adjudicated or non-federal land within its boundaries (GSA Area).

- The Groundwater Sustainability Plan (GSP) is a technical and planning document that demonstrates a hydrogeological understanding of the West San Jacinto basin, as well as outlines the plan that EMWD will use to manage the basin sustainably and avoid “undesirable results.”
- Update on the Groundwater Sustainability Plan Development – Hydrogeologic Conceptual Model and Historical/Current Water Budgets: The hydrogeological conceptual model describes the physical characteristics of the basin and references items such as the geological setting of the basin, aquifer location and thickness, and depth-to-groundwater. The second component is the numerical model which includes components such as groundwater extractions, recharge of groundwater, and other inputs/outputs of water in the basin. Water budgets are developed by taking into account both the hydrogeology of the basin and the inputs/outputs in and out of the basin. The GSP is required to present the historical, current, and future water budgets and these topics will be covered in the next SAG meeting. Overall, the GSP must consider and speak to the following six sustainability criteria: groundwater elevation, groundwater in storage, groundwater quality, seawater intrusion (this does not apply to the West San Jacinto Basin), land subsidence, and the interconnection of surface water and groundwater.

It is important to re-state that the Department of Water Resources wants the GSP to cover the entire West San Jacinto Basin, as it is describe in Bulletin 118. The District’s groundwater model covers the entire basin, but the GSP will not include details for the adjudicated areas. The GSP will incorporate and retain the naming of the groundwater management zones (GMZs).

The hydrogeological conceptual model details the physical characteristics of the basin, which includes regional hydrology, land use, geology and geologic structures, water quality, aquifer, and aquitards. It is also important to keep in mind that the basin is a tectonically active area. First, there is a variable depth-to-bedrock



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which influences the flow of groundwater. Second, the San Jacinto lower pressure area runs along a fault. To the east of this fault, there are finer sediments which limit the ability of surface water to infiltrate into groundwater supplies. Finally, there are many smaller aquifers, but the GSP will manage the basin as a single aquifer system.

The groundwater model boundary originally extended to the groundwater management zones and captured 50 feet of alluvial thickness. The groundwater model boundaries was revised to include the modified DWR Bulletin 118 basin boundary.

The historical water budget consist of the period 1984-2012, the current conditions water budget consist of the period 2013-2018, and the future conditions water budget consist of a 52 year period using historical conditions consistent with the average annual precipitation and consist of the periods 1984-2012 and 1996-2012 to represent at least a 50 year hydrologic period. The overall average annual rainfall is 9.2 inches.

The groundwater model for the historical water budget shows a general increase in groundwater in storage over the 1984-2012 period for the West San Jacinto GSA Area. The current conditions water budget shows a general increase in groundwater in storage over the 2013-2018 period for the West San Jacinto GSA Area. The current conditions groundwater in storage increased at a slower rate during the drought period.

- Timeline and Next Steps: Woodard & Curran will present on the water budgets (historical, current, and projected) at the next SAG meeting in April. EMWD and its consultants will work to identify sustainable management criteria as based on the six sustainability indicators. Sustainable yield will be discussed for future projects and plan implementation and actions will be outlined. An administrative draft of the GSP is expected to be presented to EMWD for review in July-Septemeber 2020, and a public draft of the GSP is expected by the end of the year. It is anticipated that the final product will be handed over to the Department of Water Resources by August - October 2021.

SGMA Webpage

- Once meeting minutes are uploaded, a link to the site will be forwarded to all stakeholders.

Matthew
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<ul style="list-style-type: none"> Stakeholders can find the website by going to www.emwd.org and then searching for “SGMA.” Find a meeting schedule, get background information, public notices, and program documents related to the Sustainable Groundwater Management Act at: https://www.emwd.org/post/sustainable-groundwater-management-act 	
<p>Questions & Answers: No questions were forthcoming to the meeting.</p>	<p>All</p>
<p>Additions to the Agenda & Walk-In Items: No items were raised at the meeting.</p>	<p>All</p>

ACTION ITEMS	RESPONSIBLE
<p>Explanation of the pie charts (slides 14 and 17) included in the presentation is required for buy-in by staff. Rachel will coordinate with consultant.</p>	<p>Rachel Gray, Woodard & Curran</p>