



REGULAR BOARD MEETING

APRIL 20, 2021



**STOCKTON  
EAST WATER  
DISTRICT**  
PROVIDING SERVICE SINCE 1948  
www.sewd.net

**DIRECTORS**

Richard Atkins  
Vice President  
Division 1

Andrew Watkins  
President  
Division 2

Alvin Cortopassi  
Division 3

Melvin Panizza  
Division 4

Paul Sanguinetti  
Division 5

Loralee McGaughey  
Division 6

Thomas McGurk  
Division 7

**STAFF**

Scot A. Moody  
General Manager

Justin M. Hopkins  
Assistant General Manager

**LEGAL COUNSEL**

Jeanne M. Zolezzi  
General Counsel

Phone 209-948-0333  
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E-mail sewd@sewd.net

6767 East Main Street  
Stockton, CA 95215

Post Office Box 5157  
Stockton, CA 95205

**MEETING NOTICE**

THE REGULAR MEETING OF THE BOARD OF DIRECTORS OF THE STOCKTON EAST WATER DISTRICT WILL BE HELD AT 12:30 P.M., TUESDAY, APRIL 20, 2021 AT THE DISTRICT OFFICE, 6767 EAST MAIN STREET STOCKTON, CALIFORNIA 95215

**Board Training will be held from 9:00 a.m. to 11:00 a.m. prior to the regularly scheduled meeting.**

**Assistance for the Disabled:** If you are disabled in any way and need accommodation to participate in the meeting, please contact Kristin Carido, Administrative Services Manager (209) 948-0333 at least 48-hours in advance for assistance so the necessary arrangements can be made.

**DUE TO COVID-19 STOCKTON EAST WATER DISTRICT BOARD MEETINGS WILL BE AVAILABLE BY TELECONFERENCE.**

**Please call (425) 436-6336/Access Code: 866228# to be connected to the Regular Board Meeting, to begin at 12:30 p.m.**

Agendas and minutes are located on our website at www.sewd.net.

**AGENDA**

	<u>Page No</u>
<b>A. Pledge of Allegiance (Director Sanguinetti) &amp; Roll Call</b>	
<b>B. Consent Calendar (None)</b>	
<b>C. Public Comment (Non-Agenda Items)</b>	
<b>D. Scheduled Presentations and Agenda Items</b>	
1. Minutes 04/13/21 Regular Meeting	01
2. Warrants – California Public Employees’ Retirement System	09
3. Stockton East Water District – SonTek River Flow Measurement Device Memo	11
<b>E. Committee Reports</b>	
1. Eastern San Joaquin Groundwater Authority Steering Committee Meeting, 04/14/21	19
<b>F. Report of the General Manager</b>	
1. Water Supply Report as of 04/12/21	21

2. Information Items
  - a. Material Included, but Bound Separately from Agenda Packet:
    1. Valley Lawmakers Prod Newsom To Declare Drought Emergency, The San Joaquin Valley Sun, 04/07/21
    2. Officials Confident In Water Supply Management Without Drought Declaration, AgNet West, 04/13/21
    3. ACWA Testifies In Opposition Of SB 222, SB 223, ACWA News, 04/14/21
    4. Members Urged To Support SB 559, ACWA News, 04/08/21
  3. Report on General Manager Activities
    - a. Central Valley Project Water Association – Executive & Financial Affairs Committee, 04/16/21
    - b. Stockton East Water District Activities Update

**G. Director Reports**

1. Sexual Harassment Training – Live Webinar, 04/20/21 23

**H. Communications**

1. Central Valley Salinity Coalition – 2021 Board Level Membership Contribution – End of Support Letter, 04/14/21 25

**I. Agenda Planning/Upcoming Events**

1. ACWA Region 4 Leadership to Leadership, 1:00 p.m., 04/21/21
2. Greater San Joaquin County Regional Water Coordinating Committee Meeting, 3:00 p.m., 04/21/21

**J. Report of the Counsel**

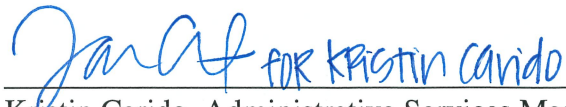
1. Closed Session - Existing Litigation  
Stockton East Water District vs. City of Stockton, et al.  
Government Code 54956.9 (a)
2. Closed Session - Potential Litigation  
Government Code 54956.9 (c) – one case
3. Closed Session – Personnel  
Government Code 54957

**K. Adjournment**

**Certification of Posting**

I hereby certify that on April 15, 2021 I posted a copy of the foregoing agenda in the outside display case at the District Office, 6767 East Main Street, Stockton, California, said time being at least 72 hours in advance of the meeting of the Board of Directors of the Stockton East Water District (Government Code Section 54954.2).

Executed at Stockton, California on April 15, 2021.



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Kristin Carido, Administrative Services Manager  
Stockton East Water District

Any materials related to items on this agenda distributed to the Board of Directors of Stockton East Water District less than 72 hours before the public meeting are available for public inspection at the District's office located at the following address: 6767 East Main Street, Stockton, CA 95215. Upon request, these materials may be available in an alternative format to persons with disabilities.

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THE REGULAR MEETING OF THE BOARD OF DIRECTORS  
OF STOCKTON EAST WATER DISTRICT WAS HELD AT THE DISTRICT OFFICE  
6767 EAST MAIN STREET, STOCKTON, CA  
ON TUESDAY, APRIL 13, 2021 AT 12:30 P.M.

**A. PLEDGE OF ALLEGIANCE AND ROLL CALL**

President Watkins called the regular meeting to order at 12:30 p.m. Director McGaughey led the Pledge of Allegiance.

Present at roll call at the District were Directors Atkins, Cortopassi, McGurk, Sanguinetti and Watkins. Also present were Manager Moody, Assistant Manager Hopkins, Finance Director Vega, Administrative Services Manager Carido and Administrative Assistant Curtis. Also present was Consultant Barkett. Present at roll call via teleconference were Directors McGaughey and Panizza. Also present via teleconference was Legal Counsel Zolezzi.

**B. CONSENT CALENDAR (None)**

**C. PUBLIC COMMENT (None)**

**D. SCHEDULED PRESENTATIONS AND AGENDA ITEMS**

1. Minutes

a. Minutes 04/06/21 Regular Meeting

There was discussion on how the cost breakdown of New Hogan and New Melones water was written in Item D-6.

A motion was moved and seconded to approve the April 6, 2021 Regular Board Meeting Minutes, as presented.

Roll Call:

Ayes: Atkins, Cortopassi, McGaughey, McGurk, Panizza, Sanguinetti, Watkins

Nayes: None

Abstain: None

Absent: None

b. Minutes 04/08/21 Special Meeting

A motion was moved and seconded to approve the April 8, 2021 Special Meeting Minutes, as presented.

Roll Call:

Ayes: Atkins, Cortopassi, McGaughey, McGurk, Panizza, Sanguinetti, Watkins

Nayes: None

Abstain: None

Absent: None

2. Warrants

- a. Fund 56 – Construction Fund
- b. Fund 70 – Administration Fund
- c. Fund 71 – Water Supply Fund
- d. Fund 89 – Fish Passage Improvements Fund
- e. Fund 91 – Vehicle Fund

- f. Fund 94 – Municipal & Industrial Fund
- g. Summary
- h. Payroll
- i. Short Names/Acronym List
- j. SEWD Vehicles & Equipment

Director Sanguinetti inquired on the expense on page 19, line item 107 for Big W Sales for replacement valve and plunger for Spray Rig in the amount of \$640.76. Finance Director Vega replied 3 motor assembly valves and 3 o-rings were purchased.

Director McGurk inquired on the expense on page 9, line item 5 for HDS White Cap Construction Supply for Mirafi for Whittles' Bridges Project in the amount of \$1,407.94. Assistant Manager Hopkins replied this is geotextile material that is put under the road base.

Director McGurk inquired on the expense on page 12, line item 40 for Standard Insurance for March/April 2021 Long Term Insurance in the amount of \$832. Finance Director Vega replied this is for disability insurance.

Director McGurk inquired on the expense on page 20, line item 127 for Stockton Windustrial Co. for water fountain replacement for Admin Building in the amount of \$1,333.49. Manager Moody replied it is the replacement for the fountain between the two restrooms.

Director McGurk inquired on the expense on page 20, line item 138 for Valley Landscaping & Maintenance Inc. for WTP landscaping maintenance service March 2021 in the amount of \$2,445.00. Manager Moody replied this is the same vendor the District has been in contract with for the last few years.

Director Cortopassi inquired on the expense on page 19, line item 115 for HART High-Voltage for high voltage testing, maintenance and repairs for the Treatment Plant in the amount of \$55,451.00. Manager Moody replied this is the work the Board approved for all transformers campus wide; a report will be forthcoming.

Director Cortopassi inquired on the expenses on page 9 as they were all allocated towards the Whittle's Bridge Project. He further inquired if the Board could be provided with a memo for the total cost of the work to this point. Manager Moody replied yes.

Director Atkins inquired on the expenses on page 20, line item 123 for Platt Electric Supply Inc. for tools for Units 67 & 36 in the amount of \$1,119.42 and line items 130 for US Bank Corporate Payment Systems for tools for Unit 36 in the amount of \$333.53 and tools for Units 67 & 66 in the amount of \$417.45. Manager Moody replied that staff determined during the Plant shutdown, there were multiple ongoing projects and only one person with specific tools. Staff was having to drive to retrieve the necessary tools to complete projects. The trucks have been restocked and inventoried, then each driver signed an inventory list of what is on the truck.

Director McGurk inquired on the expense on page 20, line item 120 for MarTech for Master Backwash and Filter Isolation Valves Replacement in the amount of \$187,913.09. Manager Moody replied this amount is for the largest part of the Project.

Director Atkins inquired on the expense on page 11, line item 28 for GeoStabilization International, LLC for Potter Creek Survey in the amount of \$20,000. Assistant Manager Hopkins replied this survey was from Drais Road to Mormon Slough. Manager Moody added once staff looks over the information further, they would like to schedule an Agricultural Operations Committee Meeting to review the data and make finalizations. Director Cortopassi inquired if staff has an elevation map. Manager Moody replied yes.

A motion was moved and seconded to approve the April 13, 2021 Warrants, as presented.

Roll Call:

Ayes: Atkins, Cortopassi, McGaughey, McGurk, Panizza, Sanguinetti, Watkins

Nays: None

Abstain: None

Absent: None

3. Stockton East Water District – Funck Road Traveling Screen Memo

Manager Moody provided the Board with a memo on the Funck Road Traveling Screen Project. Manager Moody reported staff obtained electrical service from PG&E and installed new electric gate actuators. To complete the Project, the screen equipment needs to be purchased, steel supports and concrete support and drainage pads need to be constructed and screen equipment installed by a contractor.

Manager Moody reported that staff received several bids for the screens and International Water Screens Co. was the lowest, most responsive bidder, with a bid amount of \$224,331.75. Staff requests the Board consider approval to order the screens, which would provide a lead time to bid the installation portion of the Project out.

President Watkins inquired on the location of International Water Screens Co. Assistant Manager Hopkins replied they are from Bakersfield.

Director McGurk inquired on the responsible party for ensuring the screens are in perfect condition upon arrival. Assistant Manager Hopkins replied the District is responsible for making sure what is delivered is perfect for installation. Manager Moody added that staff has seen receipt of several screen and know what to inspect upon arrival.

Director Cortopassi inquired if the vendor from the Pacific Southwest Irrigation Expo was contacted to bid on this Project. Assistant Manager Hopkins replied yes they were contacted and submitted a bid in the amount of \$266,936.63 (The Weld Group).

A motion was moved and seconded to purchase the traveling screens and conveyor system from International Water Screens Co. in the amount of \$224,331.75 plus a 5% contingency in the amount of \$11,216.59 for change orders.

Roll Call:

Ayes: Atkins, Cortopassi, McGaughey, McGurk, Panizza, Sanguinetti, Watkins

Nays: None

Abstain: None

Absent: None



4. Resolution No. 21-22-01 – Authorization To File A Grant Application With The Department Of Interior United States Bureau Of Reclamation For The WaterSMART: Applied Science Grants For Fiscal Year 2021

Manager Moody reported the Board previously approved authorizing working with the County and North San Joaquin Water Conservation District (NSJWCD) and Central San Joaquin Water Conservation District (CSJWCD) to apply for the Applied Science grant. As part of this, each agency is required to submit a resolution of support.

Director McGurk inquired if the grant amount should be listed in the Resolution. Manager Moody replied it is not necessary, funds will be discussed in the grant. If the grant is awarded the Board will have the option to approve or decline at that time.

A motion was moved and seconded to approve Resolution No. 21-22-01 – Authorization To File A Grant Application With The Department Of Interior United States Bureau Of Reclamation For The WaterSMART: Applied Science Grants For Fiscal Year 2021, as presented.

Roll Call:

Ayes: Atkins, Cortopassi, McGaughey, McGurk, Panizza, Sanguinetti, Watkins  
Nays: None  
Abstain: None  
Absent: None

5. Association of California Water Agencies/Joint Powers Insurance Authority – Rate Stabilization Fund Report

Manager Moody provided the Board with information on the rate stabilization fund report from ACWA/JPIA. Manager Moody reported the District received a check from ACWA/JPIA in the amount of \$25,960.66.

Director McGurk inquired where those funds go once received by the District. Manager Moody replied all refunds from ACWA/JPIA are put into the Other Post-Employment Benefits fund. This item was for information only.

6. Central Valley Salinity Coalition – 2021 Board Level Membership

Manager Moody provided the Board with the 2021 Board Level Membership for the Central Valley Salinity Coalition (CV Salts). Manager Moody reported the price for this membership has increased this year and is now \$20,000. Manager Moody reported the County and the Coalition are both members of CV Salts. Manager Moody queried the Board to see if they would like to move forward with payment or terminate membership.

Legal Counsel Zolezzi reported there is not much on the agenda that is of interest to the District. The District can continue to monitor by participating as part of the public.

A motion was moved and seconded to suspend the District’s membership with the Central Valley Salinity Coalition (CV Salts).

Roll Call:

Ayes: Atkins, Cortopassi, McGaughey, McGurk, Panizza, Sanguinetti, Watkins  
Nays: None  
Abstain: None  
Absent: None

President Watkins suggested sending a letter to CV Salts to advise of the District's end of membership.

## **E. COMMITTEE REPORTS**

### **1. San Joaquin County & Delta Water Quality Coalition Meeting, 04/12/21**

Director Atkins attended the April 12, 2021 San Joaquin County & Delta Water Quality Coalition Meeting. Director Atkins reported there was discussion on the Financial Report and the Coalition is \$127,000 in the positive. There was discussion on fees being increased and Coalition members paying \$5 per AF, instead of the current \$4.25. The Coalition expected the State to also raise their dues, which would effect Coalition members. Director Atkins reported the Nitrogen Management Reports were due March 1<sup>st</sup>. Grower meetings for the Nitrogen Management Plan self-certification are held online for 4-hour blocks. There is discussion to change that to 2-hour sessions. There was discussion on the CV Salts price increase. There was discussion on the Program Manager's Report, in January they tested after the storm and found no pyrethroid hits initially, and then they were later found. They found the hit at Mormon Slough and Jack Tone Road. They are unable to determine what would have been sprayed in the winter to cause a hit. Director McGurk inquired when the Coalition expects the rates to increase. Director Atkins replied within the next year.

### **2. Eastern Water Alliance Meeting, 04/12/21**

Directors McGurk, Sanguinetti and Alternate Watkins and Manager Moody and staff attended the April 12, 2021 Eastern Water Alliance (EWA) Meeting. Director McGurk reported the meeting was called to ensure the EWA Board was up to speed on the current status of the DREAM Project. The construction phase will be starting soon with extending the pipeline under Eight Mile Road and Mosher Slough. Director McGurk reported once the construction is completed the EWA Board will convene again to discuss next steps. There was discussion on the learning experience between NSJWCD and the Water Master at Camanche. The water flow must be watched closely as it is carefully measured. Director Sanguinetti reported there was discussion on how much water went into the ground and was used. This amount is a small percentage of what they expected. The group is hopeful next year will have a better outcome. Only construction will take place this year, water will not be utilized as it is a dry year and there will not be enough water to use. Manager Moody reported there are benchmarks written into the approved ordinance for this Project. If the groundwater level is below a specific level, water cannot be extracted. They have not extracted any water and the levels are already exceeding the benchmarks. The EWA Board will need to revise a Resolution for the County Board of Supervisors approval to change certain benchmarks. The next meeting is scheduled for June 7, 2021.

## **F. REPORT OF GENERAL MANAGER**

### **1. Water Supply Report as of 04/12/21**

Manager Moody provided a handout of the Water Supply Report for information only that included storage, release, and production data collected from various sources as of midnight last night.

There is 152,472 AF in storage at New Hogan Reservoir. Current releases are set at 41 cfs. There is 1,514,443 AF in storage at New Melones Reservoir. Current release at Goodwin Dam to Stanislaus River are set at 1,089 cfs and release to all water users are set at 112 cfs. The water treatment plant is currently processing 25 mgd. The City of Stockton is currently processing 20 mgd.

2. Information Items:

Manager Moody noted items: F2a-1, F2a-2 and F2a-3.

3. Report on General Manager Activities

- a. Eastern San Joaquin Groundwater Authority FloodMAR Virtual Workshop, 04/08/21  
Directors Atkins, McGurk, Panizza and Watkins and Manager Moody attended the April 8, 2021 Eastern San Joaquin Groundwater Authority FloodMAR Virtual Workshop. Manager Moody reported an item of note is that there were Southern California interests on the call discussing FloodMARs and what needs to be remembered is that a permit is required to divert water for groundwater recharge.
- b. ACWA State Legislative Committee Meeting, 04/09/21  
Manager Moody attended the April 9, 2021 ACWA State Legislative Committee Meeting. Manager Moody reported Ukiah, CA had the least amount of rain on record ever this year. There was discussion on Senator Feinstein working on a bill that would fund over \$1 billion for Ag water. Toni Atkins, President pro Tempore of the Senate, wants to fund \$2 billion and is asking for non-controversial water projects. ACWA is working to gather a list of projects. Manager Moody reported he also sits on a sub-committee of the State Legislative Committee regarding mandatory consolidation. Bills are continuously appearing that are trying to give the State Board authorization to force consolidation. ACWA is opposed, as no District should ever be forced. The sub-committee is working to come up with criteria to limit the State Board's interpretations for what a mandatory consolidation would mean. The next meeting is scheduled for April 30, 2021.
- c. Stockton East Water District Activities Update  
Manager Moody reported the District signed up for the ACWA Region 4 Leadership to Leadership Virtual Meeting on Wednesday, April 21<sup>st</sup> from 1:00 – 2:00 PM. This will be the time for agencies to meet with the ACWA President and Vice President.

Manager Moody reported Purviance Drillers inspected the 8,000 pump for Potter Creek. Based on President Watkins recommendation the motor was flushed and re-greased and there are still issues persisting. Purviance determined it was the bowls, the pump will need to be pulled and evaluated.

**G. DIRECTOR REPORTS** (None)

**H. COMMUNICATIONS**

1. Stockton East Water District – Letter to Oppose Assembly Bill 377 (R. Rivas) – Water Quality: Impaired Waters, 04/06/21  
Manager Moody provided the Board with correspondence dated April 6, 2021 regarding the District's opposition of Assembly Bill 377 (R. Rivas) – Water Quality: Impaired Waters. Director McGurk commented that these were well written letters.
2. Stockton East Water District – Letter to Oppose Assembly Bill 1434 (Friedman) – Indoor Residential Water Use Standards, 04/06/21  
Manager Moody provided the Board with correspondence dated April 6, 2021 regarding the District's opposition of Assembly Bill 1434 (Friedman) – Indoor Residential Water Use Standards.

**I. AGENDA PLANNING/UPCOMING EVENTS**

1. Eastern San Joaquin Groundwater Authority Steering Committee Meeting, 8:30 a.m., 04/14/21
2. Eastern San Joaquin Groundwater Authority Joint Exercise of Powers Authority Meeting, 11:00 a.m., 04/14/21 *\*The next meeting will take place in June\**
3. Central Valley Project Water Association – Executive & Financial Affairs Committee, 10:00 a.m., 04/16/21
4. Sexual Harassment Training – Live Webinar, 9:00 a.m., 04/20/21

**J. REPORT OF THE COUNSEL**

1. Closed Session - Existing Litigation  
Stockton East Water District vs. City of Stockton, et al.  
Government Code 54956.9 (a)
2. Closed Session - Potential Litigation  
Government Code 54956.9 (c) – one case

President Watkins adjourned the meeting to closed session at 1:23 p.m. to discuss closed session agenda items. The regular meeting reconvened at 1:28 p.m., with no reportable action.

**K. ADJOURNMENT**

President Watkins adjourned the meeting at 1:29 p.m.

Respectfully submitted,

Scot A. Moody  
Secretary of the Board

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**STOCKTON EAST WATER DISTRICT  
INVOICES FOR BOARD PACKAGE  
CALPERS SPECIAL CHECK REQUEST  
APRIL 20, 2021**

Vendor name	District Fund#	Account #	Description	Amount	Invoice No.
1 CA Public Employees Retirement System (CalPERS)	70	10-5049-0	Retirement Contributions for Payroll 04/16/21-Admin	8,857.09	04/16/21 1245106351
			<b>Total Fund 70 Admin</b>	<b>\$ 8,857.09</b>	
1 CA Public Employees Retirement System (CalPERS)	71	10-5049-0	Retirement Contributions for Payroll 04/16/21-WS-NM	2,624.64	04/16/21 1245106351
2 CA Public Employees Retirement System (CalPERS)	71	10-5058-0	Retirement Contributions for Payroll 04/16/21-WS-NH	1,252.44	04/16/21 1245106351
			<b>Total Fund 71 Water Supply</b>	<b>\$ 3,877.08</b>	
1 CA Public Employees Retirement System (CalPERS)	94	10-5049-0	Retirement Contributions for Payroll 04/16/21-M&I	16,789.30	04/16/21 1245106351
			<b>Total Fund 94 Municipal &amp; Industrial</b>	<b>\$ 16,789.30</b>	
<b>Grand Total for Special Check Request on RBM 04/20/21</b>				<b>\$ 29,523.47</b>	

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# Memorandum

**To:** Scot A. Moody – General Manager  
**From:** Justin Hopkins – Assistant General Manager  
Darrel Evensen – District Engineer  
Gianna Cianfichi – Associate Engineer  
**Date:** 4/20/2021  
**Re:** SonTek River Flow Measurement Device

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## **BACKGROUND**

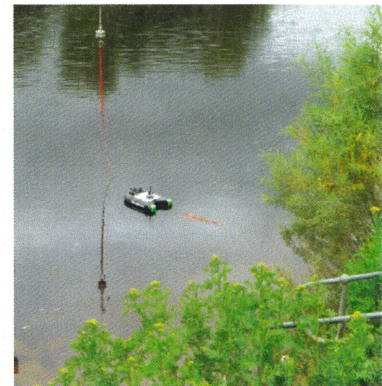
As a part of the Calaveras River Habitat Conservation Plan (HCP), the District is obligated to monitor and record the daily flow on the Calaveras River. More specifically, the District is required to maintain and verify a minimum flow of 20 CFS at Shelton Road year-round in all years except critical water storage periods. The District budgeted \$140,300 for the Shelton Road Flow Measurement Project in fiscal year 21-22. This project includes installing a level sensor on Shelton Road Bridge and developing a flow rate rating curve. Water level and flow can be correlated by measuring a certain flow at a specific depth throughout the river profile. In order to relate the water level to a flowrate the District Staff needs to be able to accurately and reliably measure the bed depth of the Calaveras River and calculate the corresponding flow for each level.



*Figure 1: RS5 Current Profiler*

## **SUMMARY**

Due to strict permitting guidelines through regulatory agencies, a permanent flow measurement facility in the river bed would be costly and the District would be unable to complete the installation within the timeframe identified by the HCP. The estimated cost of a permanent facility is \$364,000. Additionally, the river bed is constantly changing thereby making accurate flow measurement difficult. To mitigate the challenges of a permanent installation, staff proposes the SonTek RS5 Acoustic Doppler Current Profiler (ADCP, Figure 1), a device that measures flows in a wide range of measurement conditions based on the present water depth and velocity. Figure 2 shows the RS5 measuring flows in a river. This device accurately measures flow by measuring velocities and creating a cross sectional profile of the river bed. The RS5 is portable, so it can be used at any of the District's locations. Staff received a quote of \$24,826 for the SonTek RS5 and a quote of \$29,000 for the comparable Teledyne Riverboat SP.



*Figure 2: RS5 in River Application*

## **RECOMMENDATIONS**

District staff recommends proceeding with the purchase of the SonTek RS5 ADCP flow measurement device for \$24,826.

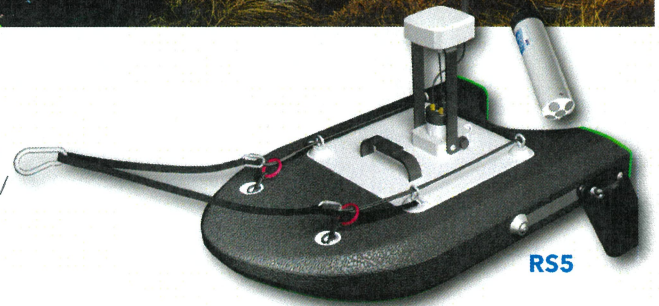


## Introducing the RS5 "Grab-and-Go" ADCP



### A New Generation of Dopplers

Building on years of development and experience, SonTek has released the RS5, the world's smallest combination Broadband/Pulse-coherent acoustic Doppler current profiler (ADCP). A self-contained ADCP that fits in the palm of your hand, the RS5 features state-of-the-art acoustics technology contained in a rugged housing with a built-in compass, and easily-integrated GNSS options. RS5 data are sent wirelessly using a high-speed Bluetooth Low Energy (BLE) connection to your laptop through RSQ, a modern, powerful software platform to collect discharge measurements and perform advanced data post-processing.



#### SONTEK:

Founded in 1992 and advancing environmental science in over 100 countries, manufactures affordable, reliable acoustic Doppler instrumentation for water velocity measurement in oceans, rivers, lakes, harbors, estuaries, and laboratories.

Headquarters are located in San Diego, California. SonTek is part of Xylem, Inc., a company that provides monitoring and data collection instrumentation to global water quality, water quantity, and aquaculture markets.

#### ADDITIONAL INFORMATION:

For more information about SonTek visit [SonTek.com](http://SonTek.com), or email SonTek directly at [inquiry@SonTek.com](mailto:inquiry@SonTek.com).

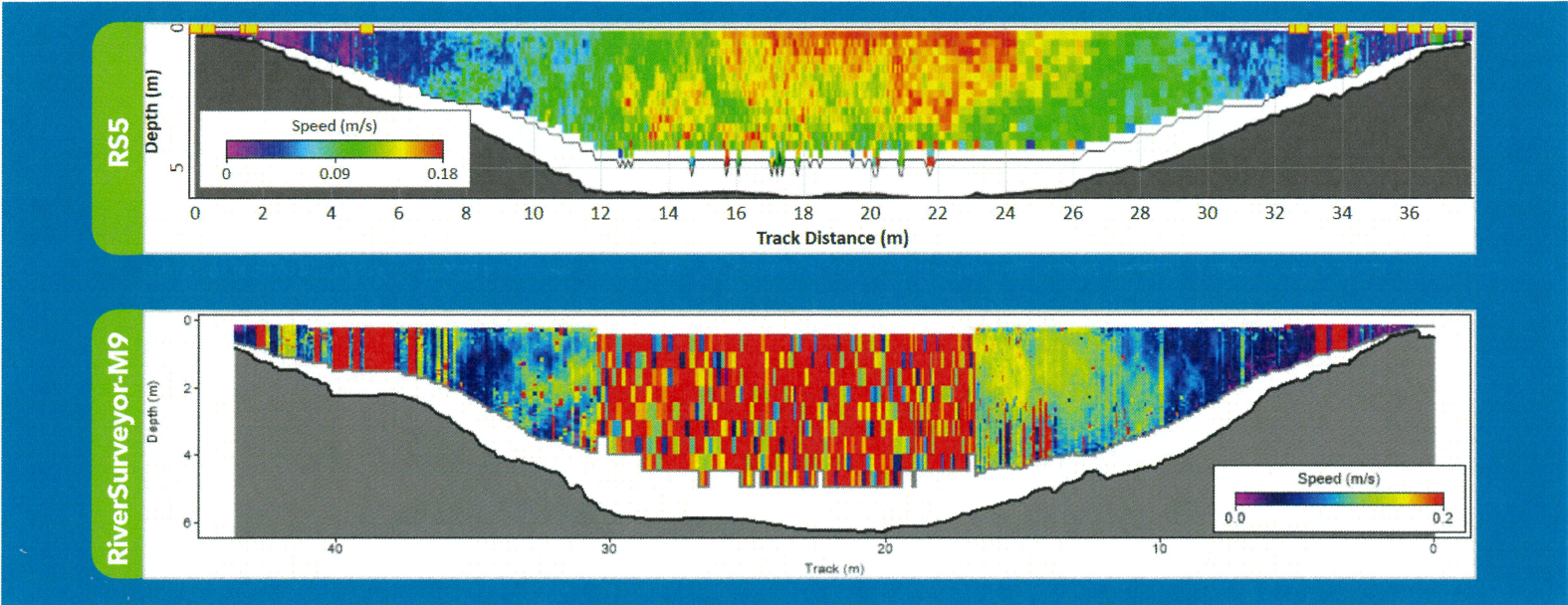
### SmartPulse+ and the Acoustics Engine

At the heart of the RS5 is the new acoustics engine using an advanced algorithm called SmartPulse+. New Broadband transducers allow the RS5 to take advantage of a hybrid Broadband/Pulse-coherent pinging algorithm with 4 different pings types. Settings are selected automatically with each sample to ensure the best quality data for any measurement conditions.

# Optimized for High Resolution Measurements Over Wide Range of Conditions

The SmartPulse+ algorithm allows the user to use the RS5 in a wide range of measurement conditions, from shallow, slow flows to deep (up to 6.5m or 21.3ft), fast-moving water without the user needing to change any settings.

In the data below, you can see how the RS5 even improves upon the high resolution data from the RiverSurveyor-M9 system.



## Unparalleled Data Quality Compared to Other Available ADCPs

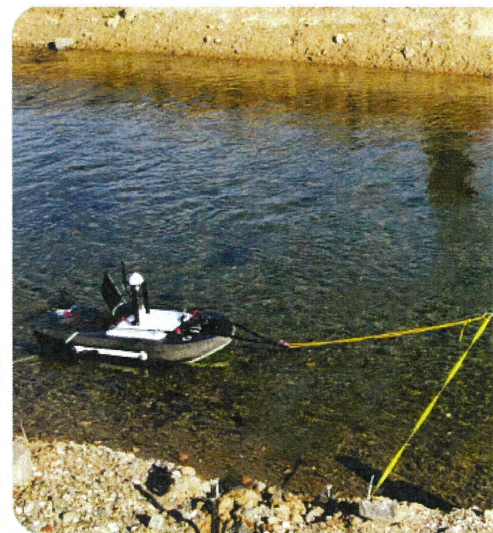
Years of development in acoustic technology allows the RS5 to really shine compared to other ADCP systems available. The SmartPulse+ algorithm ensures that as much high quality data as possible can be collected. This produces velocity contour plots that often have stand-out features, like higher resolving power to see variations in the flow structure, in Pulse-coherent mode. Comparable ADCPs require the user to set a fixed cell size configuration and ping type, resulting in velocity contours that do not resolve the complex velocity structure that is observed at this site, despite the seemingly simplistic type of site.



Skelton on the River Ouse near York, United Kingdom. Data and photo credits: Lee Pimble, SonTek Hydrometric Technical Applications Manager, Europe.

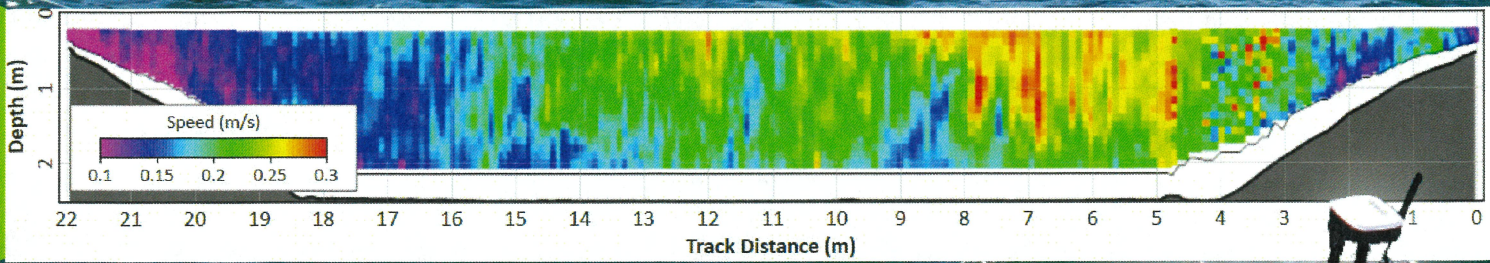


RS5 Beta testing and demo, Shark Bay Salt Mines, Australia.

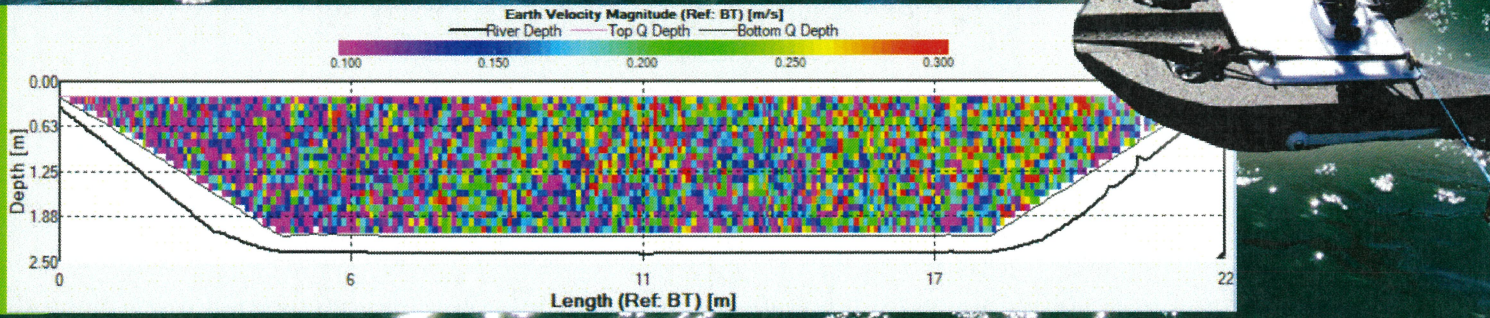


RS5 Application Engineer testing site, Yuma, AZ (USA).

RS5

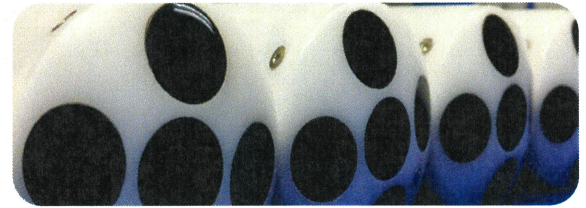


Other ADCP



### 5-Beam Configuration with Dedicated Vertical Beam

As with the RiverSurveyor S5/M9 systems, the four skew beams gather velocity data, while the vertical beam acts as a dedicated depth measuring beam (essentially, a built-in echo sounder). This allows flexibility in the detected depth (vertical beam or average of skew beams) and better depth resolution compared to using only the skew beam average depth.

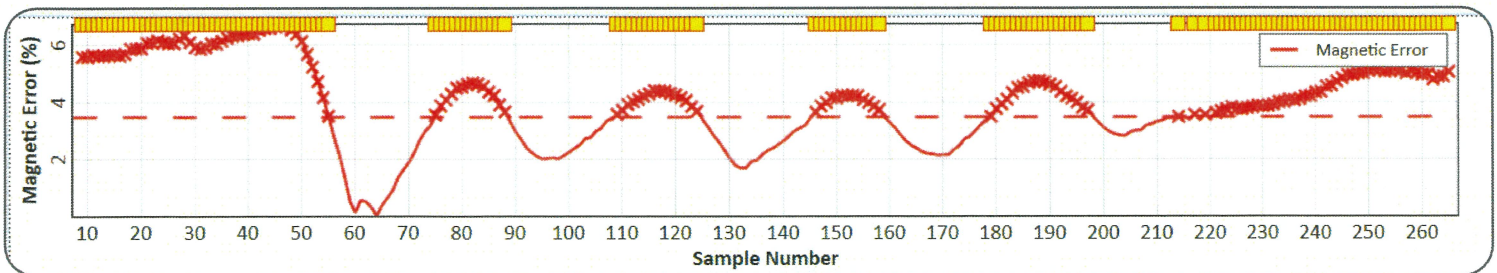


### Hardware Highlights

With ease-of-use in mind, the RS5 packs many hardware features into a small package. There are two configurations available for the RS5, STD and MAX. The STD packages are a base configuration, while the MAX packages add DGNSS integration. And, the STD configuration can easily be upgraded to the MAX configuration at any time.

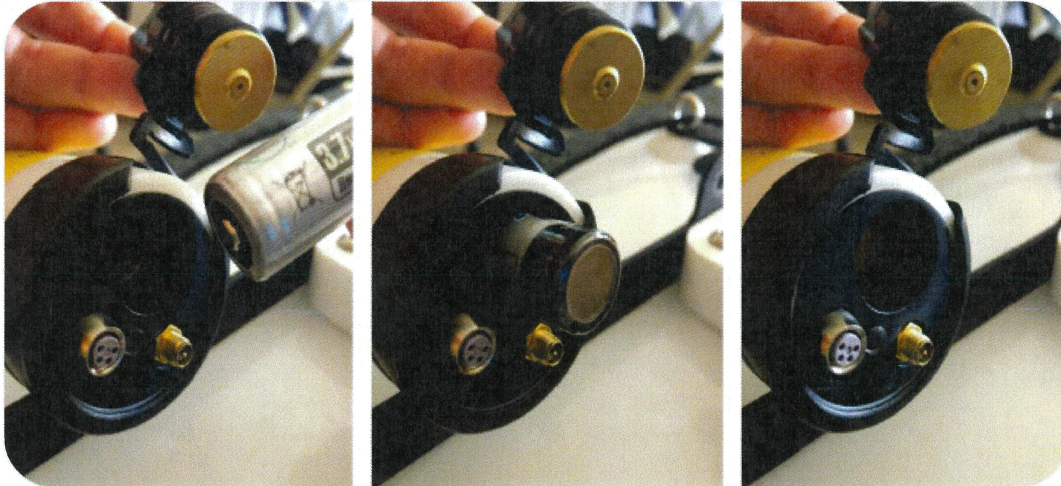
### Internal Compass Comes Standard

An internal magnetic compass comes standard with each system, whether it be a STD or MAX version. This allows for Loop Method Moving Boat measurements and Stationary measurements (coming soon). The magnetic error provides live feedback on magnetic interference during a measurement.



## Operates on a Single Battery

A single lithium-ion battery provides up to seven hours of battery life during active pinging, sufficient for one full day of field measurements. The RS5 kit comes with a spare battery and a battery charging kit with both USB and wall adapters for flexibility of use.



## Pocket-Sized Convenience

Small, light and compact, the RS5 is the world's smallest ADCP. The size allows for easy mobility to move between sites, and offers excellent maneuverability in the water.



## Integrated GNSS Option

Users have the ability to add a fully-integrated DGNSS option. The Juniper Geode antenna is a light-weight, powerful DGNSS antenna that comes configured for the RS5 when purchased through SonTek. A ruggedized cable connects the Geode antenna to the RS5, allowing for a DGNSS track reference along with bottom-tracking.

## Other Useful Hardware Features!

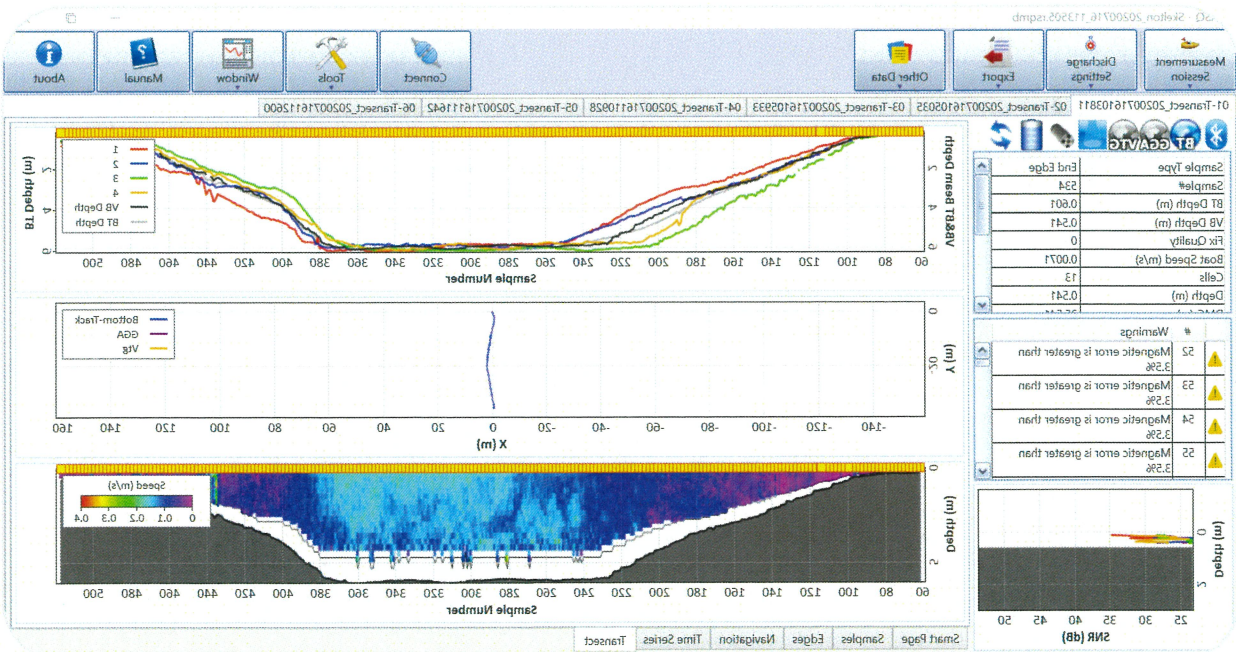
- Lightweight/portable board - can be stowed with instrument in carrying bag
- HB Micro Board with folding GNSS mast + straps for weight/GNSS stand
- Toolkit including tools to remove battery, open RS5 battery cap, O-ring kit, etc.

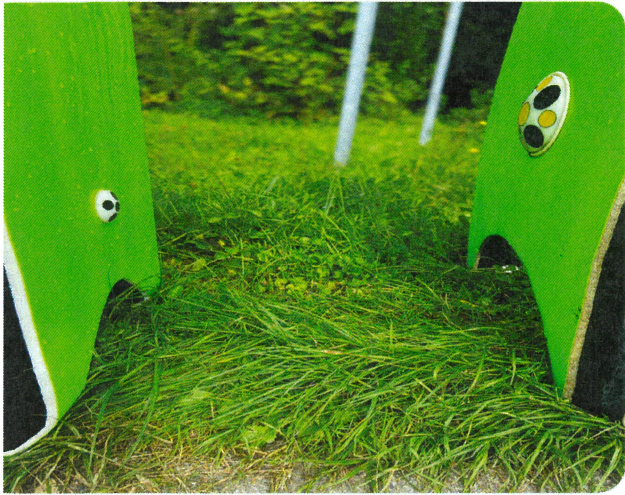


[Visit Geode Website for more information](#)

## RSQ: Advanced Software for Data Collection and Post-Processing

RSQ is a modern software platform for performing discharge measurements with the SonTek RS5 system. Existing SonTek RiverSurveyor M9/S5 users will recognize the tried-and-true layout and process options from the RiverSurveyor Live software. RSQ uses a high-speed BLE5 Bluetooth connection to connect with the RS5 (via USB radio) to control the system during a discharge measurement.





Here are just some of the useful features users will see during an active measurement:

- 5 Minute Data buffer for wireless high-speed (BLE) communications, allowing the user to recover from any temporary interruption in the communication without having to abort the measurement and start over.
- Automatic edge samples, hot keys similar to the RiverSurveyor Live software for the S5/M9 systems.
- QA/QC Warnings for live measurement feedback.
- User-configurable plots and tables, zoom features, and color legend modification.
- Ability to review already-collected transect in the measurement during data collection.

Once data collection is complete, a powerful set of post-processing tools is available. Some features and unique abilities in post-processing include:

- **Beam Switching** - ability to force a 3-beam solution on multiple user-selected data segment to help with vertical walls and other obstacles impacting one beam
- **Sub-Sectioning** - break apart a long transect into multiple transects, save them into new files, and calculate discharge for shorter segments
- **Automatic Matlab export** (for QRev users)
- **Extrap integration** - a USGS extrapolation tool is built in to allow quick access
- **Google Earth export** - save boat tracks on a georeferenced .KML file
- **All transects in same file** - this keeps measurement files as a single file, aiding organization
- **Site Templates** - allows the user to enter frequently-used site information with one click
- **Record Beam Check files** - users can record these diagnostic files to learn about the water conditions and health of the system
- **Site Photos** - add site photos to the measurement file
- **Ability to open M9/S5 files** - edit existing M9/S5 .riv/.rivr files using all the mentioned post-processing tools

## Coming Soon!

### Stationary Measurement Options

Use the RS5 ADCP in a traditional Mid-section or Mean-section stationary measurement.

### GNSS - RTK

The in-house RTK-quality GNSS solution will allow users to record boat tracks with sub-centimeter accuracy. This solution includes a rover and base station antenna.

### Android App

The Android App will allow users to connect to the RS5 through their Android Smart Phones to collect a discharge measurement and easily transfer data files to the PC where post-processing can be performed.

[Request a DEMO!](#)

SonTek, a Xylem brand  
9940 Summers Ridge Rd.  
San Diego, CA 92121

+1.858.546.8327  
inquiry@sontek.com  
SonTek.com

Sound Principles.  
Good Advice.



[SonTek.com/RS5](http://SonTek.com/RS5)

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## STEERING COMMITTEE MEETING

### AGENDA

Wednesday, April 14, 2021

8:30 a.m. – 10:00 a.m.

Teleconference Meeting Only

Call-In Information Provided

### NOTICE: Coronavirus COVID-19

See Attached Notice Regarding COVID-19

- I. **Call to Order/Roll Call** (\*Please remember to keep your phone line muted and unmute when announcing yourself for attendance or speaking)
- II. **Scheduled Items – *Presentation materials to be posted on ESJGroundwater.org and emailed prior to the meeting.***
  - A. **Discussion / Action Items:**
    1. Approval of the February 10, 2021 Meeting Minutes (Attached)
    2. Annual Report Review and Comment (Attached)
    3. FY 2021-22 GWA Budget
    4. Water Rights and Project Task Force
    5. Grants and Funding (Attached)
    6. DREAM Project Monitoring Committee and Project Status
- III. **Staff Reports**
  1. Technical Advisory Committee Meeting
  2. News (Attached)
  3. DWR update (Attached)
- IV. **Public Comment (non-agendized items)**
- V. **Director Comments**
- VI. **Future Agenda Items**
- VII. **Adjournment**



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<b>Weekly Water Report</b>	As of: April 12, 2021	As of: April 19, 2021
<b>New Hogan (NHG) TOC</b>	<b>266,080</b>	<b>AF</b>
Storage:	152,472	AF
Net Storage Change:	+28	AF
Inflow:	17	CFS
Release:	41	CFS
<b>New Melones (NML) Allocation</b>	<b>75,000</b>	<b>AF</b>
Storage:	1,514,443	AF
Net Storage change:	-15,850	AF
Inflow:	879	CFS
Release:	2,975	CFS
<b>Source: CDEC Daily Reports</b>		

<b>Goodwin Diversion (GDW)</b>		
Inflow (Tulloch Dam):	2,970	CFS
Release to Stanislaus River (S-98):	1,089	CFS
Release to OID (JT Main):	756	CFS
Release to SSJID (SO Main):	202	CFS
Release to SEWD:	<u>112</u>	CFS
Total Release	2,159	CFS
<b>Source: Tri-Dam Operations Daily Report</b>		
<b>Farmington Dam (FRM)</b>		
Diverted to SEWD:	N/A	CFS
Diverted to CSJWCD:	0	CFS
<b>Source: USACE WCDS Hourly Report</b>		

<b>Surface Water Used</b>		
Irrigators on New Hogan:	0	
Irrigators on New Melones:	0	
Out-Of-District Irrigators:	0	
DJWWTP Production:	25	MGD
North Stockton:	0	MGD
South Stockton:	5	MGD
Cal Water:	20	MGD
City of Stockton DWSP Production:	20	MGD

<b>District Ground Water Extraction</b>		
74-01	0	GPM
74-02	0	GPM
North	0	GPM
South	0	GPM
Extraction Well # 1	<u>0</u>	GPM
Total Well Water Extraction	<b>0</b>	<b>GPM</b>

**Note: All flow data reported here is preliminary and subject to revision.**

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# Live Webinars

## Sexual Harassment Prevention

*Supervisors, Managers, Board Members and Staff:  
Have you completed your sexual harassment prevention training yet?*

### ***Sexual Harassment Prevention for Management and Board Members***

This two hour live virtual instructor-led course is designed to help JPIA members comply with current laws (AB1825 and AB1661) requiring board members and supervisory managers to attend two hours of sexual harassment prevention training every two years. The course covers the impact of harassment and importance of creating a safe work environment where employees can report sexual harassment violations without fear of shame or retaliation. The program also guides managers through the sexual harassment investigative process including interviewing the complainant, alleged harasser, and witnesses.

#### **Upcoming Dates:**

February 4, 2021 from 10am—12pm—Instructor: Sarah Crawford, JPIA Training Specialist  
April 20, 2021 from 9am—11am—Instructor: Sarah Crawford, JPIA Training Specialist

### ***Sexual Harassment Prevention for Staff***

This one hour live virtual instructor-led course taught by JPIA Training Specialist, Sarah Crawford is designed for all agency employees and reminds them that sexual harassment is illegal. The videos used in this course show various vignettes of possible illegal acts. The content explains the law and how an employee could be personally liable if guilty. The course also provides participants with information on what to do if they or one of their coworkers are being harassed. This course fulfills the one hour training requirements of SB 1343.

#### **Upcoming Dates:**

March 16, 2021 from 9am—10am—Instructor: Sarah Crawford, JPIA Training Specialist

#### **How to register or join the webinar:**



1. Go to <https://www.acwajpia.com/resources-webinars>.
2. On the JPIA Cisco WebEx page, click the *Upcoming* tab to view available sessions.
3. To the right of the desired session title, click *Register*. Fill all fields. You will receive a confirmation email from; messenger@webex.com. You will need this on the day of training.

For assistance, contact JPIA Training: [training@acwajpia.com](mailto:training@acwajpia.com) or 1.800.231.5742

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EAST WATER  
DISTRICT**  
PROVIDING SERVICE SINCE 1948  
www.sewd.net

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April 14, 2021

The Central Valley Salinity Coalition, Inc.  
1501 W. Olive Avenue  
Redlands, CA 92373

Subject: Board Level Member Contribution – End of Support

To Whom It May Concern:

This letter serves as formal notice of the Stockton East Water District (District) ending its contributions to The Central Valley Salinity Coalition, Inc. (CV SALTS), effective April 13, 2021. The District will not be paying the Central Valley Salinity Coalition 2021 Board Level Member Contribution for 2021, (Invoice No. 2021-10).

Sincerely,

Scot A. Moody  
General Manager

/kmc

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