



**NORTH MARIN WATER DISTRICT**  
**AGENDA - REGULAR MEETING**  
September 20, 2022 – 6:00 p.m.  
Location: Virtual Meeting  
Novato, California

Information about and copies of supporting materials on agenda items are available for public review at 999 Rush Creek Place, Novato, at the Reception Desk, or by calling the District Secretary at (415) 897-4133. A fee may be charged for copies. District facilities and meetings comply with the Americans with Disabilities Act. If special accommodations are needed, please contact the District Secretary as soon as possible, but at least two days prior to the meeting.

**ATTENTION: This will be a virtual meeting of the Board pursuant to the authorizations provided by Government Code section 54953(e)."**

There will not be a public location for participating in this meeting, but any interested member of the public can participate telephonically by utilizing the dial-in information printed on this agenda.

**Video Zoom Method**

**CLICK ON LINK BELOW:**

Go to: <https://us02web.zoom.us/j/82191971947> OR

Password: 466521

**SIGN IN TO ZOOM:**

Meeting ID: 821 9197 1947

Password: 466521

**Call in Method:**

Dial: +1 669 900 9128  
+1 253 215 8782  
+1 346 248 7799  
+1 301 715 8592  
+1 312 626 6799  
+1 646 558 8656

Meeting ID: 821 9197 1947#

Participant ID: #

Password: 466521#

For clarity of discussion, the Public is requested to MUTE except:

1. During Open Time for public expression item.
2. Public comment period on agenda items.

*Please note: In the event of technical difficulties during the meeting, the District Secretary will adjourn the meeting and the remainder of the agenda will be rescheduled for a future special meeting which shall be open to the public and noticed pursuant to the Brown Act.*

All times are approximate and for reference only.  
The Board of Directors may consider an item at a different time than set forth herein.

Date Posted: 9/16/2022

Est. Time	Item	Subject
6:00 p.m.		<b>CALL TO ORDER</b>
	1.	<b>APPROVE MINUTES FROM REGULAR MEETING</b> , September 6, 2022
	2.	<b>GENERAL MANAGER’S REPORT</b>
	3.	<b>OPEN TIME: (Please observe a three-minute time limit)</b>  This section of the agenda is provided so that the public may express comments on any issues not listed on the agenda that are of interest to the public and within the jurisdiction of the North Marin Water District. When comments are made about matters not on the agenda, Board members can ask questions for clarification, respond to statements or questions from members of the public, refer a matter to staff, or direct staff to place a matter of business on a future agenda. The public may also express comments on agenda items at the time of Board consideration.
	4.	<b>STAFF/DIRECTORS REPORTS</b>  <b>INFORMATION ITEMS</b>
	5.	Stafford Lake Park Pump Track Project Presentation -Marin County Parks
	6.	FY 2021/22 Fourth Quarter Progress Report -Water Quality
	7.	Administration & Laboratory Upgrade Project – Construction Update
	8.	<b>MISCELLANEOUS</b> Disbursements – Dated September 8, 2022 Disbursements – Dated September 15, 2022 Monthly Progress Report Point Reyes Light – Salinity Notice September 8, 2022  <u>News Articles:</u> Marin IJ – Newsom’s water strategy must go further – CALIFORNIA VOICE Marin IJ – Record for heat falls in county – WEATHER Marin IJ – Is COVID-19 winding down at long last? Scientists say no – EXPLAINER Marin IJ – MALT hires new leader after period of upheaval – WEST MARIN Marin IJ – MMWD criticizes report on its drought response – UTILITY REACTS Marin IJ – Search for firm supply starts with recycled water plan – MARIN VOICE  <u>Social Media Posts:</u> NMWD Web and Social Media Report – August 2022
7:30 p.m.	9.	<b>ADJOURNMENT</b>

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DRAFT  
NORTH MARIN WATER DISTRICT  
MINUTES OF REGULAR MEETING  
OF THE BOARD OF DIRECTORS  
September 6, 2022

**CALL TO ORDER**

President Petterle announced that due to the Coronavirus outbreak and pursuant to the Brown Act as modified by Assembly Bill 361, this was a virtual meeting. President Petterle called the regular meeting of the Board of Directors of North Marin Water District to order at 6:00 p.m. and the agenda was accepted as presented. President Petterle added that there was not a public location for participating in this meeting, but any interested members of the public could participate remotely by utilizing the video or phone conference dial-in method using information printed on the agenda. President Petterle announced that in the event of technical difficulties during the meeting, the District Secretary will adjourn the meeting and the remainder of the agenda will be rescheduled for a future special meeting which shall be open to the public and noticed pursuant to the Brown Act.

President Petterle welcomed the public to participate in the remote meeting and asked that they mute themselves, except during open time and while making comments on the agenda items. President Petterle noted that due to the virtual nature of the meeting he will request a roll call of the Directors. A roll call was done, those in remote attendance established a quorum. Participating remotely were Directors Jack Baker, Rick Fraites, Jim Grossi, Michael Joly and Stephen Petterle.

President Petterle announced that all public attendees will be invited to speak and will need to use the raised hand icon in Zoom or dial \*9 to be called upon.

Mr. Williams performed a roll call of staff, participating remotely were, Tony Williams (General Manager), Terrie Kehoe (District Secretary), Julie Blue (Auditor-Controller), Eric Miller (Assistant GM/Chief Engineer), Robert Clark (Operations/Maintenance Superintendent), Pablo Ramudo (Water Quality Supervisor), Pete Castellucci (Interim Construction/Maintenance Superintendent) and Rebecca Sylvester (Receptionist/Customer Service Assistant). Additionally, District employee Connie Filippi joined the meeting.

President Petterle requested that for those joining the virtual meeting from the public to identify themselves and there was no response.

**MINUTES**



On motion of Director Joly seconded by Director Baker, the Board approved the minutes from the August 16, 2022 Regular Board Meeting by the following vote:

AYES: Director Baker, Fraites, Grossi, Joly and Petterle

NOES: None

ABSTAIN: None

ABSENT: None

#### **GENERAL MANAGER'S REPORT**

Mr. Williams announced that on August 20<sup>th</sup> a Drought Pop-up was held at Pini Hardware. He reported that 125 drought kits were given away which contained a bucket, showerhead, shower timer, hose nozzle, sink aerator and leak detection tablets. Mr. Williams expressed his appreciation to Ryan Grisso and Jose Ochoa for taking part in this regional event.

Mr. Williams apprised the Board that on August 26<sup>th</sup> he attended a Zoom meeting with Congressman Huffman and representatives from Marin Water and Sonoma Water, which presented an overview of the Marin Water Strategic Water Supply Study. He noted that Ben Horenstein, Lucy Croy, Grant Davis Jack Gibson, Supervisor David Rabbitt, Jay Jasperse, and Don Seymour were also in attendance. Mr. Williams noted that Director Baker was unable to attend the meeting, but has been briefed of the information covered.

Mr. Williams announced that Curtis Paxton is the new General Manager of Las Gallinas Valley Sanitary District. He noted that Mr. Paxton came from the City of Vacaville, which is a full-service city. Mr. Williams added that Mr. Paxton has also worked at two water districts.

Mr. Williams informed that the Board that last week the Governor declared a state emergency due to extreme heat. He noted that per the executed order, the District can deploy emergency generators without any restrictions or limitations since the heat could have an impact on energy.

Mr. Williams noted the Marin Voice article by Jack Gibson and added that staff supports the concept of regional storage to hold Russian River winter flows.

President Petterle asked if there were any comments or questions from the Directors.

Director Joly asked about the meeting Mr. Williams was supposed to have with Mr. Horenstein last week to discuss and get further insight of what was presented at the Huffman meeting about the Marin Water Strategic Water Supply Study. Mr. Williams stated that the meeting had to be rescheduled until September 7<sup>th</sup> due to a bad accident on the freeway. He added that the Marin Water study should be wrapped up this year, and this will be a good

67 opportunity to collaborate and get more information on their plans for desalination.

68 **OPEN TIME**

69 President Petterle asked if anyone from the public wished to bring up an item not on the  
70 agenda and there was no response.

71 **STAFF/DIRECTORS REPORTS**

72 President Petterle asked if any Directors or staff wished to bring up an item not on the  
73 agenda and the following was discussed.

74 Mr. Clark announced the first electric vehicle in the NMWD fleet arrived a couple of weeks  
75 ago. He noted that this vehicle will be used by the lab to take water quality samples throughout  
76 Novato.

77 **CONSENT CALENDAR**

78 Director Joly removed Item 6 from the Consent Calendar for additional discussion. Mr.  
79 Williams reported that during the demolition stage of the Administration Office Building, lead-  
80 based paint was discovered under the fascia and overhang. He added that removal of the lead-  
81 based paint requires regulatory oversight and monitoring which was completed by PES  
82 Environmental. Mr. Williams explained the amendment to this agreement compensates PES for  
83 work that has already been completed and required by state and federal law. Director Baker  
84 requested that at the end of the renovation he would like staff to report back to the Board with a  
85 list of hazardous materials present in the building. He added that the District needs to  
86 acknowledge the environmental issues and respect the law. Mr. Williams stated that there is also  
87 a signed manifest for asbestos material, noting Mr. Miller will include this information in future  
88 updates. Director Joly stated that he appreciated the explanation.

89 On the motion of Director Baker, and seconded by Director Fraites the Board approved  
90 Item 5 on the consent calendar by the following vote:

91 AYES: Director Baker, Fraites, Grossi, Joly and Petterle

92 NOES: None

93 ABSTAIN: None

94 ABSENT: None

95 **ITEM #5 - RE-AUTHORIZING MEETINGS BY TELECONFERENCE OF LEGISLATIVE BODIES**  
96 **OF NORTH MARIN WATER**

97 The Board approved Re-Authorizing Meetings by Teleconference of Legislative Bodies of  
98 North Marin Water District. Resolution 22-27 will extend the continuation of teleconference  
99 meetings effective September 6, 2022 through October 6, 2022 pursuant to Brown Act provisions.

100 **ITEM #6 - CONSULTANT SERVICES AGREEMENT WITH PES ENVIRONMENTAL –**

101 **CONTRACT AMENDMENT**

102 After discussion as described above, the Board authorized the General Manager to amend  
103 the Consulting Services Agreement with PES Environmental in the amount of \$50,250. Planned  
104 expenditures for additional materials abatement monitoring for the NMWD Administration and Lab  
105 Upgrade project make a contract amendment necessary.

106 On the motion of Director Baker, and seconded by Director Joly the Board approved Item  
107 6 on the consent calendar by the following vote:

108 AYES: Director Baker, Fraites, Grossi, Joly and Petterle

109 NOES: None

110 ABSTAIN: None

111 ABSENT: None

112 **ACTION CALENDAR**

113 **CONSULTING SERVICES AGREEMENT FOR LYNWOOD PUMP STATION (LPS)**  
114 **IMPROVEMENTS WITH FREYER AND LAURETA, INC.**

115 Mr. Miller reminded the Board that the project was identified in the 2018 Novato Water  
116 system Master Plan Update and was scheduled to commence in FY 24, followed by design and  
117 construction improvements in FY26. He stated that, however, due to findings during a site  
118 investigation in May 2022 staff proposed to accelerate the project schedule to begin now. Mr.  
119 Miller apprised the Board that the District solicited a Request for Proposal to nine qualified  
120 consulting firms and a total of two proposal were received and evaluated by a panel of five District  
121 employees consisting of staff from the Engineering, Maintenance and Operations departments.  
122 He reported the scope of work includes: an assessment of existing LPS; an assessment of  
123 existing conditions; a conceptual design of improvements at the current LPs site; an evaluation of  
124 two alternative locations to compare pump station location vs. reconstruction at the current LPS  
125 site; and a technical report that details the findings and recommendations.

126 President Petterle asked if there were any comments from the Directors or staff.

127 Director Grossi asked what was the estimated amount in the budget that had to do the  
128 actual design work. Mr. Miller replied that \$2.5M to \$3.5M was the estimated range of the total  
129 project, depending on if new land is needed to relocate the pump station all together. He noted  
130 that he believed this amount was penciled in the FY 2024/25 budget. Director Joly asked why  
131 they may need to relocate the pump station. Mr. Miller replied that it is due the architectural  
132 design, although it is aesthetically pleasing, it is difficult to access the pump and electrical  
133 equipment and it is not a safe environment for employees. He added that, at a minimum the  
134 pump station should be above ground, noting an alternative would be another location that has

135 better access and hydraulics. Mr. Miller stated that an additional option would be to consider two  
136 separate pump stations with two pumps each to improve the hydraulics to the Zone 1 distribution  
137 network.

138 Director Joly asked how many pump stations were located in the Novato community. Mr.  
139 Clark replied twenty-seven, but that Zone 1 has only two pump stations which includes Lynwood  
140 and San Marin Pump Stations. Mr. Williams stated that the San Marin Pump Station has more  
141 space, whereas the Lynwood Pump station is located in the median of the road and although  
142 aesthetically pleasing to the eye, it is not functional. Director Baker stated that the LPS was a  
143 great success architecturally and received many awards, however over the years the District has  
144 regretted the design as it has confined space issues and is less than safe for employees. He  
145 added that, it may look good, but it is a good example of how not to build a pump station. Director  
146 Joly noted that a renovation was just done at the San Marin Pump Station. Mr. Clark clarified that  
147 the battery backup project is fully funded by a grant, but has not commenced. Director Joly noted  
148 the high \$3M price tag and wonders what other projects might be waiting for us in the years ahead,  
149 asking if LPS is an exceptionally expensive project. Mr. Miller agreed, stating LPS is a unique  
150 situation and the cost has a lot to do with its location. He added that a normal pump station project  
151 would cost closer to \$1M, noting the current Crest Pump Station estimate is around \$1.3M.  
152 Director Joly stated that in looking at the Master Plan, this pump station is essential for what we  
153 are doing now, but will it satisfy a long-term plan in the next ten to 25 years. Mr. Williams noted  
154 that it is time to update the Master Plan and staff will be looking at the need to replace or eliminate  
155 facilities if feasible. Director Grossi asked if the pump assists with delivering water to MMWD and  
156 Mr. Clark replied that this is separate and independent of any water that goes to MMWD. Director  
157 Petterle stated that he is very familiar with the LPS and that he was incredibly impressed with the  
158 effort NMWD has made in terms of designing the pump station. Director Petterle added that if we  
159 need to replace LPS we need to make an effort to be sure the design is pleasing to look at by our  
160 neighbors. He stated that people notice, and we need to live up to our obligation to make a similar  
161 aesthetic design. Director Joly stated that he goes by San Marin Pump Station every day and it  
162 is wonderfully integrated and is a great pump station.

163 President Petterle asked if anyone from the public would like to speak and there was no  
164 response.

165 On the motion of Director Grossi and seconded by Director Fraites the Board authorized  
166 the General Manager to enter into a general Consulting Services Agreement with Freyer and  
167 Laurenta, Inc. for Lynwood Pump Station improvements with a not-to-exceed limit of \$200,000 by  
168 the following vote:

AYES: Director Baker, Fraites, Grossi, Joly and Petterle

NOES: None

ABSTAIN: None

ABSENT: None

### **INFORMATION ITEMS**

#### **PRELIMINARY FY 2021/2022 FINANCIAL STATEMENT**

Ms. Blue presented the preliminary FY 2021/22 Financial Statement. She reported on the quarterly financials for the Novato Water Service Area, the Novato Recycled Water System, the West Marin Water Service Area and the Oceana Marin Sewer System. Ms. Blue apprised the Board that the District generated a net loss of \$777,065 and saw a net cash increase of \$20,080,055. Additionally, she noted that 36% of the Capital Improvement Projects Budget was expended this fiscal year to date. Ms. Blue announced that the accounting team are finishing up the audit with Fedak & Brown and the final Financial Statement should be ready in a couple of months.

President Petterle asked if there were any comments or questions from the Directors.

Director Joly stated that the Financial Statement was wonderfully complete. He noted that under water supply we are mandated by a 20% loss and yet we have a 6% increase in expenses and found the model to be worrisome. He asked Ms. Blue as CFO what the worry points were. Ms. Blue replied that she has confidence in the financial data, adding we have cash reserves if we need it. She stated that a decrease in sales is not always predicable however, she does have confidence in the financial resiliency, because we reevaluate the District's finances annually and also do a rate study every five years. She noted that NHA Advisors worked with us recently to secure a loan and were able to do so, because our finances were solid. She noted that the FY 2021/22 budget came in close to the actual financial performance. Director Joly agreed the budget estimates are good, however he wanted to look out further ahead. He added that with the expense of the infrastructure build out and recently taking out a \$19M loan it is worrisome.

There was further discussion regarding the financials as they relate to the West Marin Water system, the cost of operating the Stafford Treatment Plant, and issues that would arise if the drought continued. There was also a discussion pointing out the differences between how a private company can operate compared to a public agency like the District.

President Petterle asked if anyone from the public would like to speak and there was no response.

#### **CALPERS PENSION UPDATE**

Ms. Blue gave an update of the District's CalPERS pension to the Board. She informed

the Board that the retirement benefit formula for Classic members is 2.5%@55 and the PEPR formula is 2%@62. Ms. Blue stated that in Fiscal Year 22/23 employer contributions increased, from the prior fiscal year by approximately 1.4% to an equivalent of 31.9% of payroll earnings. Additionally, she noted that Classic member employees contribute 8% of their earnings and PEPR members contribute 6.75% to fund the plan. Ms. Blue added that the funded ratio over the past ten years has varied from 70.4% to 80.7%, noting the positive change in funding status is due to CalPERS' investment returns of 21.3% in FY 21. She stated that this will be offset by the estimated rate of investment returns for FY22 of -6.1% which will bring the overall funding status down to approximately 72%.

President Petterle asked if there were any comments or questions from the Directors.

Director Joly commended Ms. Blue for a great memo, and stated that it was well presented. Director Joly asked if there was anything to worry about, if the cost of the pension could rise. Ms. Blue replied that since PEPR started in 2013 the employee base is now 50% Classic and 50% PEPR, and this will help to get the liability under control.

President Petterle asked if anyone from the public would like to speak and there was no response.

#### **NBWA MEETING – SEPTEMBER 2, 2022**

Director Fraites reported on the NBWA meeting held on September 2, 2022. He updated the Board on the Causes and Consequences of Urban Tap Water Trust and Equity. Director Fraites stated that the causes and consequences of public trust and mistrust of drinking water quality in public water supplies in the Bay Area and throughout California are associated with inequities in disadvantage communities. He stated that many distrust the water in the pipes due to color or taste and prefer bottled water which includes those who are foreign born. Director Fraites stated that many blame the water districts when it is related to pipeline problems, noting it can take hundreds of millions of dollars to replace in some of these communities. He added that NMWD have replaced many of our pipes, but we have many more to go, and emphasized this is a problem that exists in the disadvantaged communities.

President Petterle asked if there were any comments or questions from the Directors.

Mr. Ramudo asked to make a comment. He stated that NMWD's entire system is not disadvantaged, however there are many foreign born in our community that still prefer bottled water. Mr. Ramudo noted that our water quality report is now available in Spanish. Director Fraites and Joly thought this was a great idea. There was a subsequent discussion about aging pipelines, pipe materials and the effect on apparent water quality. Director Joly stated that he saw on Nextdoor that some people do not think NMWD water is safe to drink, and many are

disenfranchised with the government in general. He noted that bottle water is less pure, less regulated and more expensive. Director Joly stated that we need to make sure our customers understand that our product is safe. Director Petterle stated that he thought this would be a good job for Kiosk. Director Fraites agreed with Director Joly, but also stated that it is hard to convince those people in the disadvantaged communities who turn on their water and it is brown. Director Joly stated that we are proud of our product and we should put out a message on social media. Director Fraites stated that he thought they should increase the standards of bottled water. Director Grossi stated that he does not like bottled water, and grew up on spring water. He agreed we should market our product more to convince people not to buy the bottled water.

President Petterle asked if anyone from the public would like to speak and there was no response.

**CONDITIONAL OFFER TO SETTLE VIOLATIONS OF NPDES PERMIT CAG140001 SAN FRANCISCO BAY REGIONAL WATER QUALITY CONTROL BOARD**

Mr. Williams apprised that the Board of the conditional offer to settle violations of the NPDES Permit CAG140001 with the San Francisco Bay Regional Water Quality Control Board concerning backfeeding of Stafford Lake in 2021. Mr. Williams provided a summary of events for the backfeeding operation from February 18<sup>th</sup> through April 30, 2021 which included a malfunction in the District's equipment. Mr. Williams reported that the SFBRWQCB has posted a public notification of the settlement on their website for a 30-day public comment period, which ends on September 12<sup>th</sup>. He added that staff will report back to the Board if any public comment is received by the close of the 30-day period, or if there is a change in the settlement offer' otherwise a payment of \$12,000 will be made following receipt of an invoice from SFBRWQCB. Mr. Williams noted that as allowed by the settlement offer, the District's payment will go towards a supplemental enforcement project in lieu of payment in the State Water Pollution Cleanup and Abatement Account.

President Petterle asked if there were any comments or questions from the Directors.

Director Grossi asked about the residual chlorine and asked for confirmation that the lake chlorine level was not high. Director Grossi also asked how long does it take before the chlorine dissipates. Mr. Ramudo replied that staff has a short amount of time to inject the dichlorination chemical, and that it is only a fraction of the pipe in which the dichlorination continues to happen. He stated that it is fifty feet from the chlorine monitor and an additional six hundred feet to the intact tower, noting the additional dichlorination is happening in the pipe due to the location of the line. Additionally, Mr. Ramudo reported there is an interaction of organic material that will eat up the chlorine, and that it is a minimal amount and it quickly dissipates. He noted that we do not

use chloramines which is toxic to fish. Director Joly stated that staff and the Directors spent twenty minutes and two other meetings talking about this. He added that we did our job and notified the powers to be, the key question is what are we doing so that this does not happen again. Mr. Clark replied that the procedures have been rewritten to double check the system on weekends when backfeeding, and now there is a more robust point where the sample is being taken. Mr. Ramudo stated that Construction and Operation staff will train more regularly under the permit requirements for flushing, backfeeding and cleaning the pipes.

President Petterle asked if anyone from the public would like to speak and there was no response.

#### **MISCELLANEOUS**

The Board received the following miscellaneous items: Disbursements – Dated August 18, 2022, Disbursements – Dated August 25, 2022, Disbursements – Dated September 1, 2022, Point Reyes Light – Salinity Notice August 18, 2022, Point Reyes Light – Salinity Notice August 25, 2022, Point Reyes Light – Salinity Notice September 1, 2022 and SWRCB 20% Mandatory Reductions in Russian River Diversions – Tracking Status (July 2022).

The Board received the following news articles: Marin IJ – Newsom outlines water strategy – DROUGHT CRISIS; Marin IJ – Las Gallinas sewer district board hires general manager – VETERAN UTILITY DIRECTOR; Marin IJ – Marin stays cautious on COVID risk – ASSESSING DANGER; Marin IJ – Superstorm: New worry for California – STUDY RELEASED; Marin IJ – Races shape up for Marin election – NOV. 8 VOTE; Marin IJ – District probes water options – NOVATO; Marin IJ – Focus belongs on solutions for housing – EDITORIAL; Marin IJ – Water crisis demands better oversight on well-drilling – CALIFORNIA VOICE; Point Reyes Light – NMWD fined for Stafford Lake chlorine release and Marin IJ – Director explains Russian River ‘winter water’ concept – MARIN VOICE.

President Petterle asked if there were any comments from the Directors and there were none.

#### **ADJOURNMENT**

President Petterle adjourned the meeting at 7:22 p.m.

Submitted by

Theresa Kehoe  
District Secretary



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**MEMORANDUM**

To: Board of Directors Date: September 20, 2022  
From: Tony Williams, General Manager *TW*  
Subject: Stafford Lake Park Pump Track Project Presentation – Marin County Parks  
t:\gm\bod misc 2022\9-20-22 mcp stafford park\9-20-22 bod memo mcp\_stafford.docx

**RECOMMENDED ACTION:** Information Only

**FINANCIAL IMPACT:** None at this time

District staff and staff from the Marin County Parks have been in regular communication regarding any planned or scheduled activities that effect lands that both entities have a common interest in. There are several District facilities that are within or near lands owned by the County of Marin or the Marin County Open Space District. The County's Stafford Lake Park is located immediately adjacent to District owned land at Stafford Lake. Staff are coordinating on various conceptual or planned improvement projects associated with Stafford Lake and the surrounding watershed, including maintenance activities. Tara McIntyre, Principal Landscape Architect with Marin County Parks, is providing a presentation of the Stafford Lake Pump Track Project for the Board's information.

**ATTACHMENTS:** None



# Stafford Lake Park: All-Season Pump Track Update

September 20, 2022

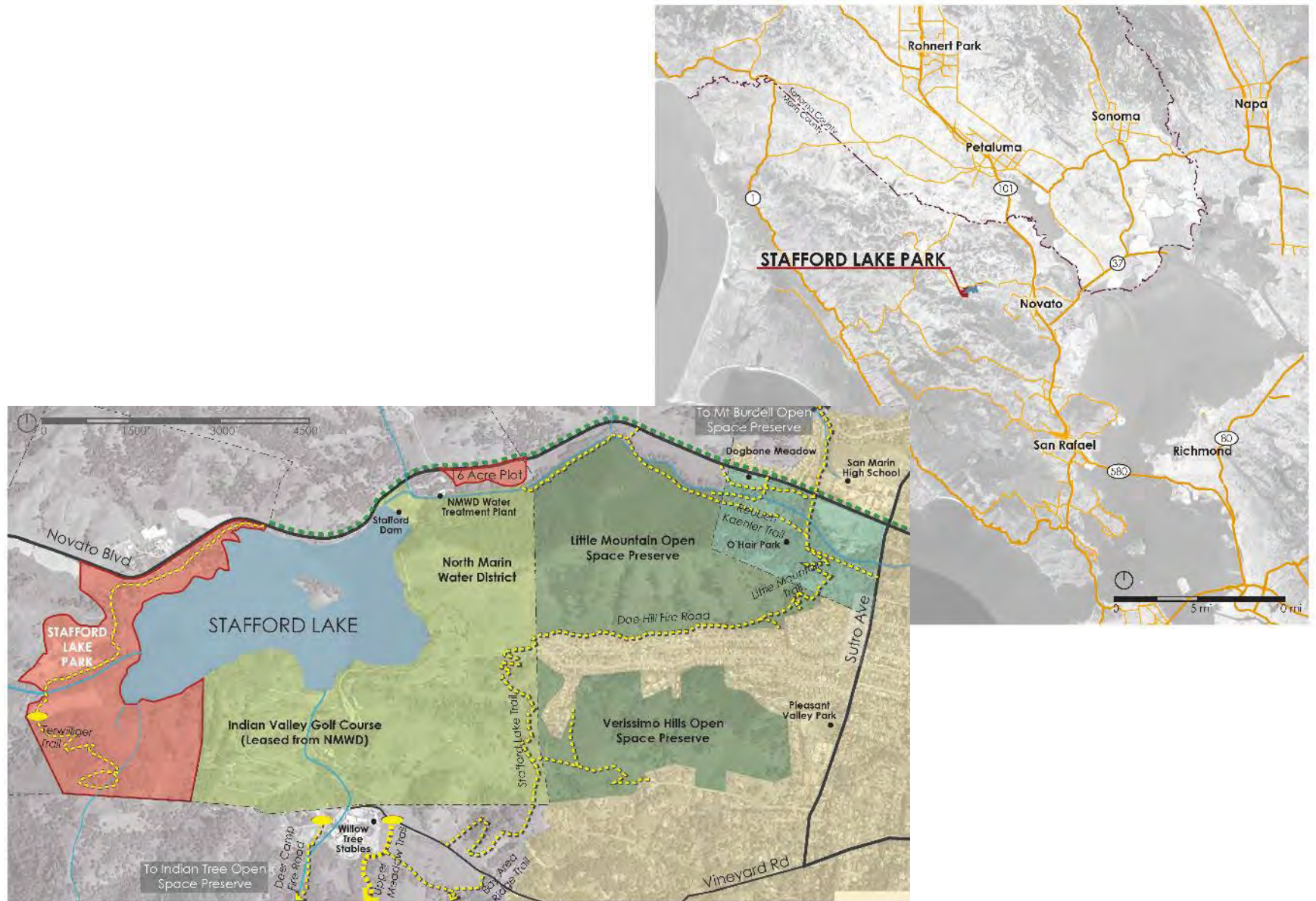
# MEETING GOALS

- Project description and update
- Next steps





# LOCATION MAP





## EXISTING (TYPICAL) PUMP TRACK



# WHAT IS AN ALL-SEASON PUMP TRACK?

- **Pump Track**
  - Course that loops
  - Series of rollers and berms
  - Smooth, durable surface
  - Spectator landings and viewing areas
  - Softscape drainage areas
- **Multi-User Recreation**
  - Skateboards
  - Roller skates & inline skates
  - Scooters
  - Bikes
  - Wheelchairs
- **All Season Usability**





# WHAT IS AN ALL-SEASON PUMP TRACK?



Viewing Area  
and Entrance

Rollers

Berms

Sloped Bank

Drainage Area



## WHAT IS AN ALL-SEASON PUMP TRACK?





## EXAMPLE FACILITY





# EXAMPLE FACILITY





## EXAMPLE FACILITY





# LOCATION MAP





# CONTEXT



# KEY STAKEHOLDERS/PUBLIC ENGAGEMENT

- Friends of Stafford Lake Bike Park
- Federated Indians of Graton Rancheria
- Environmental Roundtable
- North Marin Water District
- Dominic Grossi
- Novato Fire





## PROPOSED SITE





## PROPOSED SITE





# PROPOSED PROJECT SCOPE

## Site elements

- Two all-season (asphalt) tracks
  - Kid's and All-abilities
- Shade structure and viewing areas
- Parking lot
- Site furnishings
- Native plantings, trees and irrigation system
- Accessible sidewalks and parking
- Accessible portable restrooms
- Stormwater management

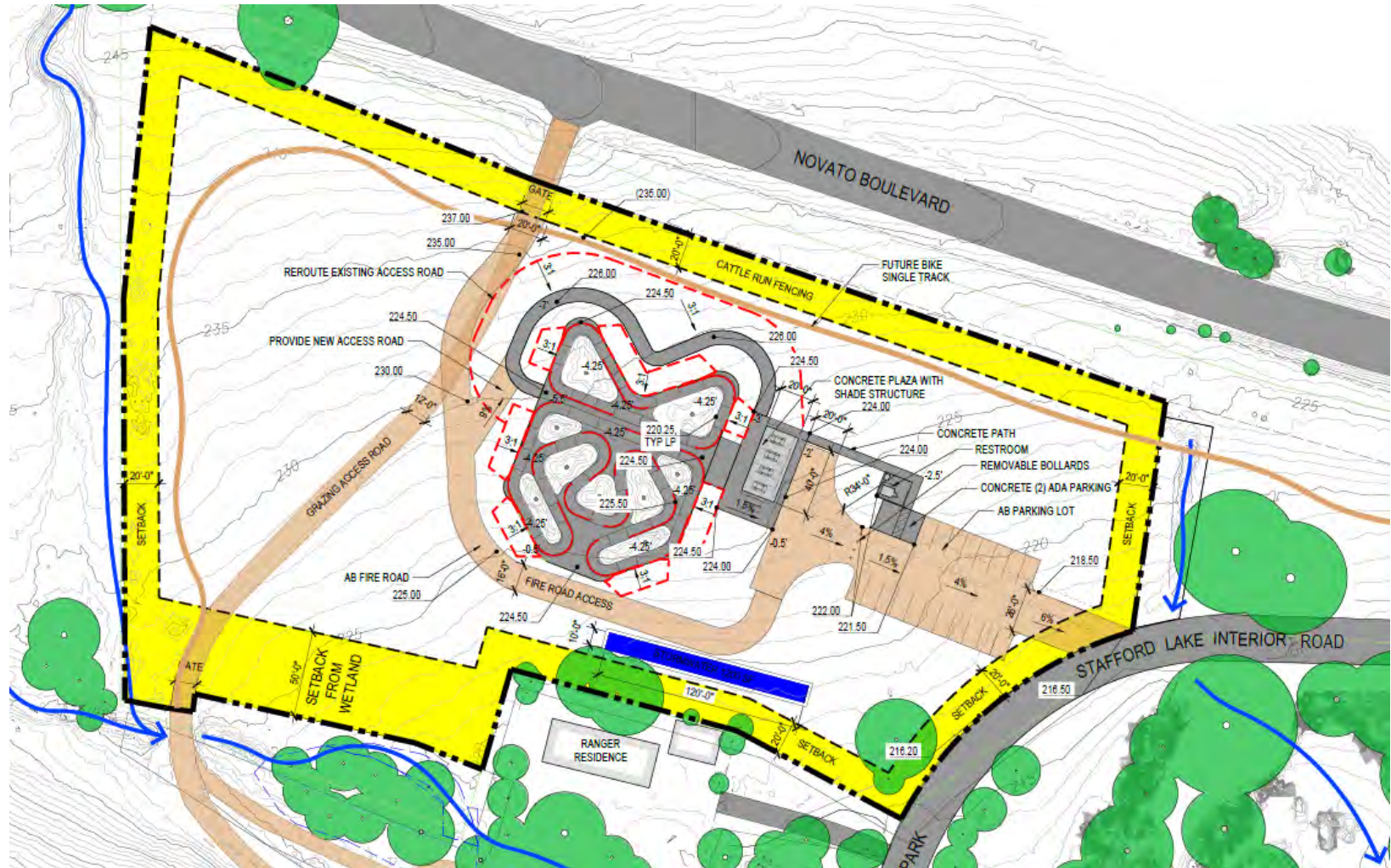


# INITIAL CONCEPT



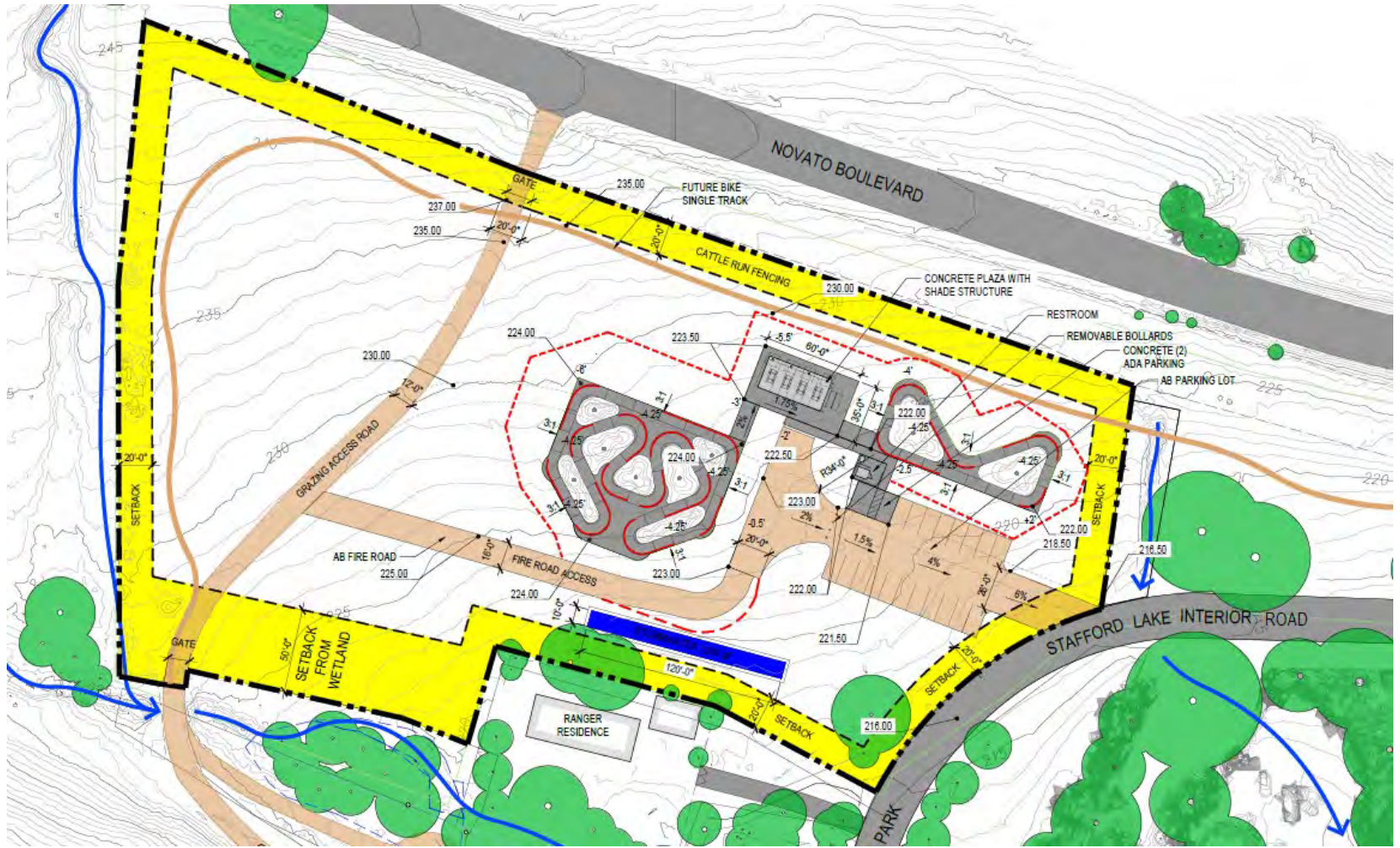


# CONCEPT DEVELOPMENT



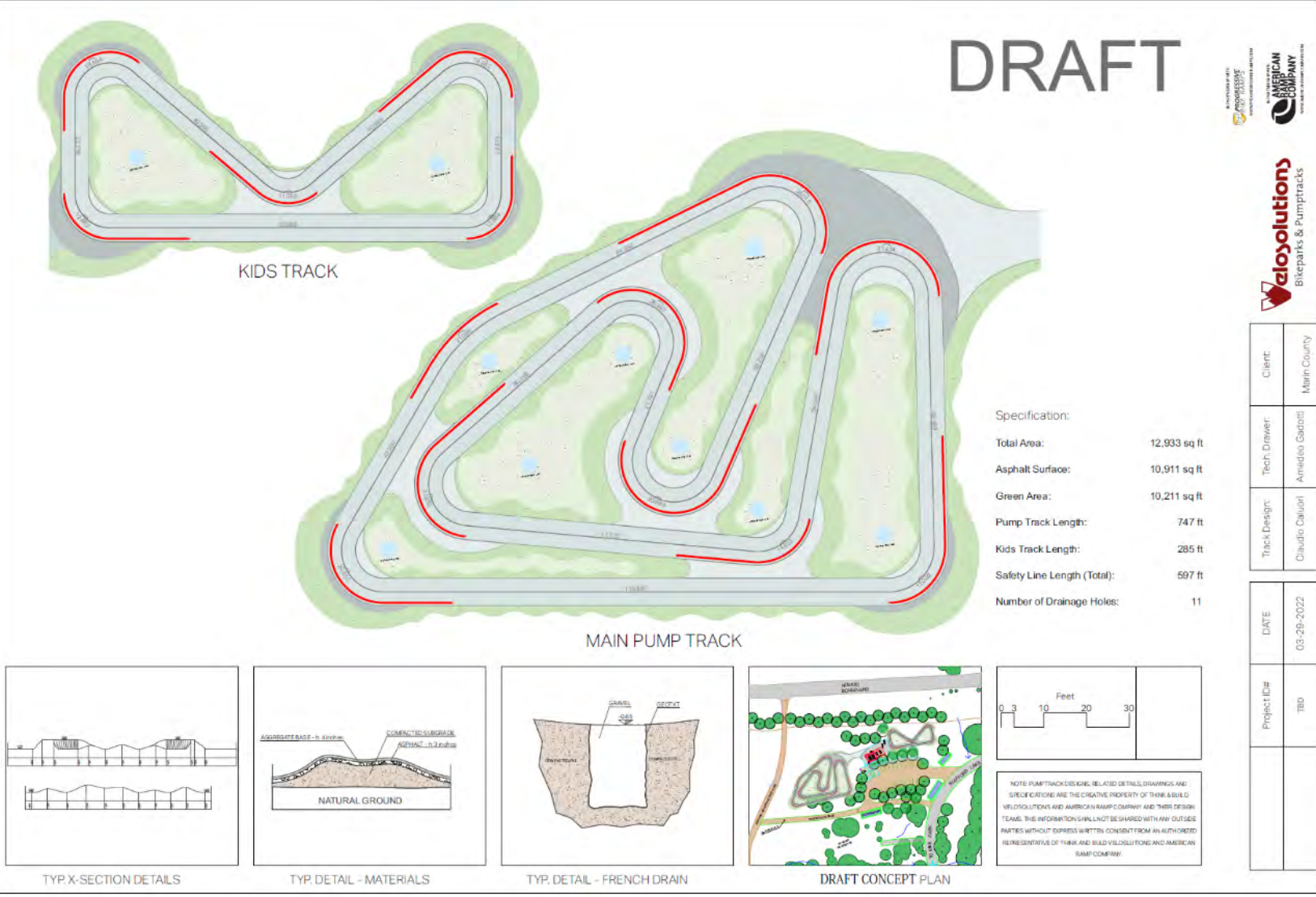


# CONCEPT DEVELOPMENT





# CONCEPT REFINEMENT



# CONCEPT REFINEMENT





# PROPOSED ASPHALT/ALL-WEATHER PUMP TRACK CONCEPTUAL DESIGN

DRAFT

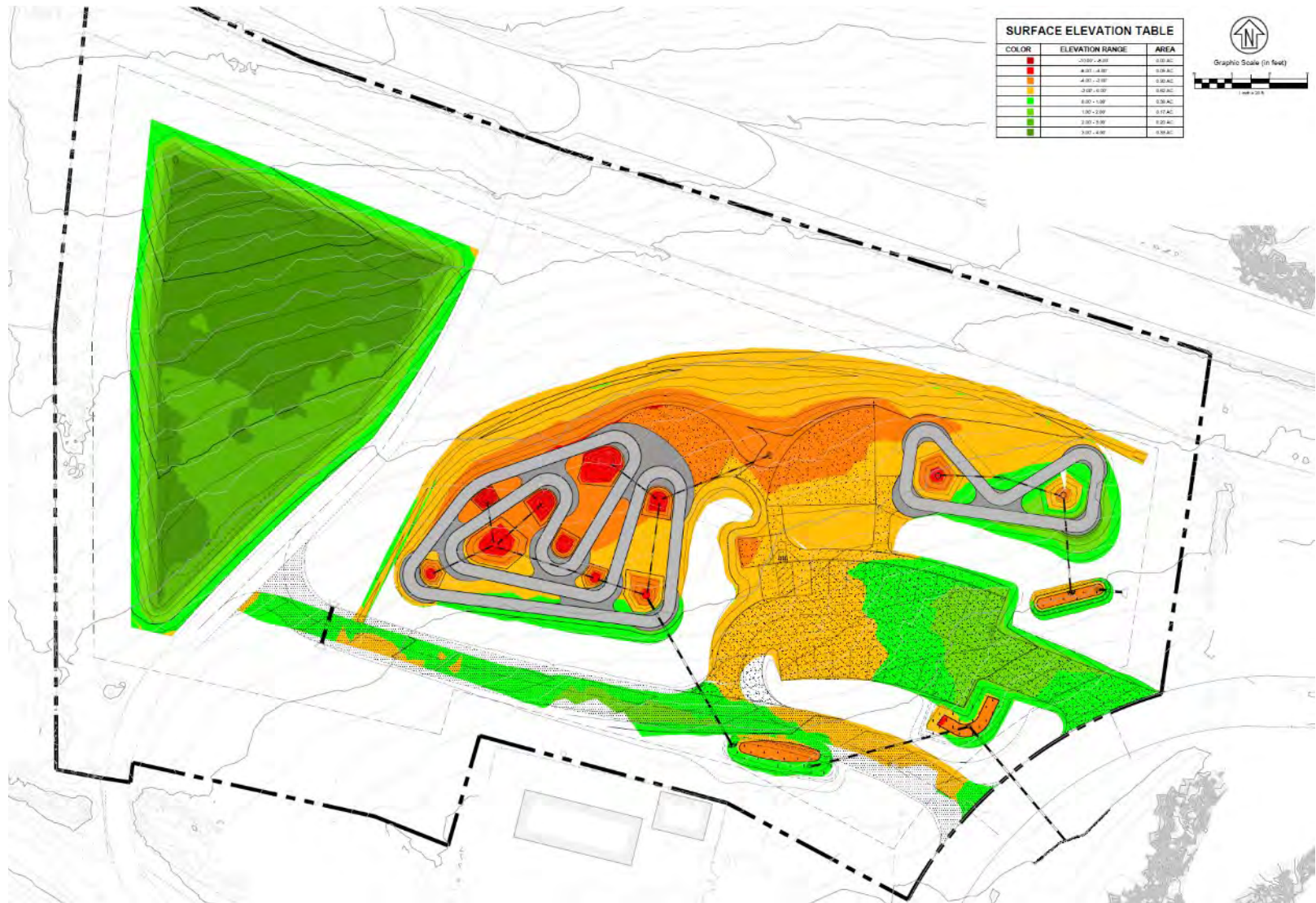
STAFFORD LAKE PARK - MARIN COUNTY PARKS







# DESIGN DEVELOPMENT – GRADING (CUT/FILL) ANALYSIS



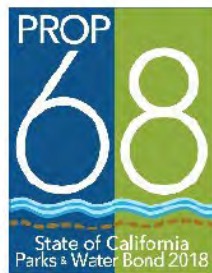


**Site Plan Details:**

- Boundaries & Setbacks:**
  - Santa Fe Boulevard:** 20 FT SETBACK FROM CHANNEL, NO DISTURBANCE IN THIS AREA.
  - Park Access Road:** 100 FT SETBACK FROM CHANNEL, NO DISTURBANCE IN THIS AREA.
  - Fire Access Road:** 100 FT SETBACK FROM CHANNEL, NO DISTURBANCE IN THIS AREA.
  - Existing Barbed Wire Fence:** FENCE TO REMAIN.
  - Existing Vehicular Gates:** GATES TO REMAIN.
  - Existing Fencing:** TO BE RETAINED.
  - Existing Tree:** TO PROTECT AND RETAIN, TYP.
- Key Features & Amenities:**
  - Main Pump Track:** Large central play structure.
  - Kids Pump Track:** Smaller play structure on the right.
  - Viewing Area:** Building with viewing platform.
  - Parking:** 19 SPACES, including accessible parking and ramp.
  - Hand Wash Station:** BY OTHERS.
  - Restroom Screen:** BY OTHERS.
  - Portable Restrooms:** BY OTHERS.
  - Stormwater Basins:** SCD (Standard Construction Detail).
  - Trash and Recycling Receptacle:** QTY 1.
  - Hand Wash Station:** BY OTHERS.
  - Restroom Screen:** BY OTHERS.
  - Portable Restrooms:** BY OTHERS.
  - Stormwater Basins:** SCD.
  - Removable Bollards:** QTY 2.
  - Accessible Drinking Fountain:** QTY 1.
  - Benches:** QTY 3, QTY 2.
  - Tree Well with Mulch:** TYP.
  - Split Rail Fence:** TYP.
  - ADA Companion Seating:** (5' X 5'), TYP.
  - Shade Structure:** TYP.
  - Picnic Tables:** QTY 3.
  - Accessible Drinking Fountain:** QTY 1.
  - Benches:** QTY 3, QTY 2.
  - Tree Well with Mulch:** TYP.
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  - Shade Structure:** TYP.
  - Picnic Tables:** QTY 3.
  -

# PROJECT FUNDING SOURCES

- Measure A
- Friends of Stafford Lake Bike Park
  - Donations and matching grant
- State of California Per Capita Grant
  - Parks and Water Bond Act of 2018 (Proposition 68)



# SITE ASSESSMENTS AND PLANNING

- Site survey
- Biological assessments
- Cultural site assessments
- Geotechnical assessments
- CEQA preparation
- Master Plan amendment

Figure 4a: Fritillary, Blue Oak, Outcrops, Native Grasslands, and Woodlands



5a: Wetlands, Watercourses, Riparian and Setbacks





## SCHEDULE: NEXT STEPS

- 75% Construction Plans, Specifications, Estimate(September 2022)
- 100% Construction Plans, Specifications, Estimate(January 2022)
- Public Bidding (Winter/Spring 2023)
- Construction (July 2023 – Winter 2024)





# Questions?

April 5, 2021

STAFFORD LAKE PARK PUMP TRACK

Thank You

6



## MEMORANDUM

To: Board of Directors

Date: September 20, 2022

From: Pablo Ramudo, Water Quality Supervisor

PR

Subject: FY 2021-22 Fourth Quarter Progress Report – Water Quality

P:\LAB\WQ Supv\WQ Reports\2022\4th Qtr FY22 WQ Rpt.doc.docx

**RECOMMENDED ACTION:** Information

**FINANCIAL IMPACT:** None

The water served to the communities of Novato and Point Reyes met federal and state primary and secondary water quality standards during the fourth quarter of fiscal year 2021 - 2022

The following is a review of the activities and water quality issues in regards to:

- Source Water
- Treatment Performance
- Distribution System Water Quality
- Novato Recycled Water

### NOVATO SYSTEM

#### **Source Water: Stafford Lake**

Stafford Lake water was not used as a source of drinking water during the fourth quarter. Water quality in the lake was monitored on a monthly basis for chemical and mineral components as well as microbiological activity.

Algae were identified and enumerated from the raw water. Algae diversity was low and numbers were fairly moderate in comparison to other years. Six species of algae were recorded in appreciable numbers, all but one of these were cyanobacteria (blue-green algae) capable of producing compounds which can affect taste and odor as well as toxins.

#### **Treatment Performance: Stafford Treatment Plant**

The Stafford Treatment Plant remained off for the season.

#### **Distribution System: Novato**

Of 243 samples collected for compliance with the Total Coliform Rule, none were positive for coliform bacteria. Disinfection byproducts were moderate during the quarter and well within standards of the Stage 2 Disinfection By-Product Rule.

## **POINT REYES SYSTEM**

### **Source Water: Coast Guard Wells**

Raw water quality, by most measures, was good throughout the quarter. Water quality parameters affected by salt water that were near historic highs at the end of 2021 decreased in April and May, but began to rise again in Mid-June.

The sodium concentration ranged from 99 to 182 mg/L and chloride ranged from 98 to 440 mg/L. Bromide, the seawater constituent that has been responsible for previous exceedances of trihalomethane (THMs) regulatory limits, ranged from 0.35 to 1.6 mg/L.

### **Source Water: Gallagher Well**

Raw water quality was good throughout the quarter. Water quality parameters affected by saltwater are very low from this source and because the well is not prone to intrusion from seawater, concentrations of salts are very steady. The average concentration of sodium was 11mg/L, chloride was 14 mg/L, and the bromide concentration was 0.07 mg/L.

### **Treatment Performance: Point Reyes Treatment Plant**

The Point Reyes Treatment Plant is designed to provide disinfection and to remove iron, manganese and other metals. Treatment in these respects was excellent, no metals being detectable in finished water and all bacterial tests were clean.

Water was primarily sourced from Gallagher Well, while water produced from the Coast Guard wells only used when plant operations require additional flow, such as after a backwash.

### **Distribution System: Point Reyes**

There were 22 samples collected for routine monitoring and compliance with the total coliform rule, none tested positive for coliform bacteria.

Chlorine residual concentrations throughout our distribution system were adequate to maintain proper disinfection. Disinfection byproducts were moderate during the quarter.

## **NOVATO RECYCLED WATER**

### **Deer Island Recycled Water Facility**

The Deer Island facility produced water from May 9<sup>th</sup> through the 22<sup>nd</sup>. Coliform bacteria were detectable in three samples during this time. Recycled water produced at treatment plants operated by Novato Sanitary District and Las Gallinas Valley Sanitary District made up the bulk of recycled water distributed to customers throughout the quarter.

**7**



**MEMORANDUM**

To: Board of Directors Date: September 20, 2022  
From: Eric Miller, Assistant General Manager / Chief Engineer *EM*  
Subject: Administration & Laboratory Upgrade Project – Construction Update  
r:\folders by job no\6000 jobs\6501.44 nmwd office\_yard bldg renovation\bod memos\2022 0920 - project update ppt\9-20-22 bod memo bldg project update.docx

**RECOMMENDED ACTION:** Information Only

**FINANCIAL IMPACT:** None at this time

On April 29, 2022 your Board approved award of a contract to D.L. Falk Construction Inc. for the construction phase of the Administration and Laboratory Upgrade Project. The project consists of a renovation of the District's existing nearly 60-year old office building and a new one-story addition to provide a new water quality laboratory and new staff lunchroom and lobby area.

The construction phase began with a pre-construction meeting on June 21, 2022. Since that meeting, District staff has been deeply involved in coordination with the design team, construction administrator and the contractor. The baseline schedule currently indicates project completion in September 2023. District staff plans to provide quarterly informational presentations to the Board with details regarding schedule updates, progress photos, unforeseen issues, and budget status.

**ATTACHMENTS:** Presentation slides dated September 20, 2022





**NORTH MARIN  
WATER DISTRICT**

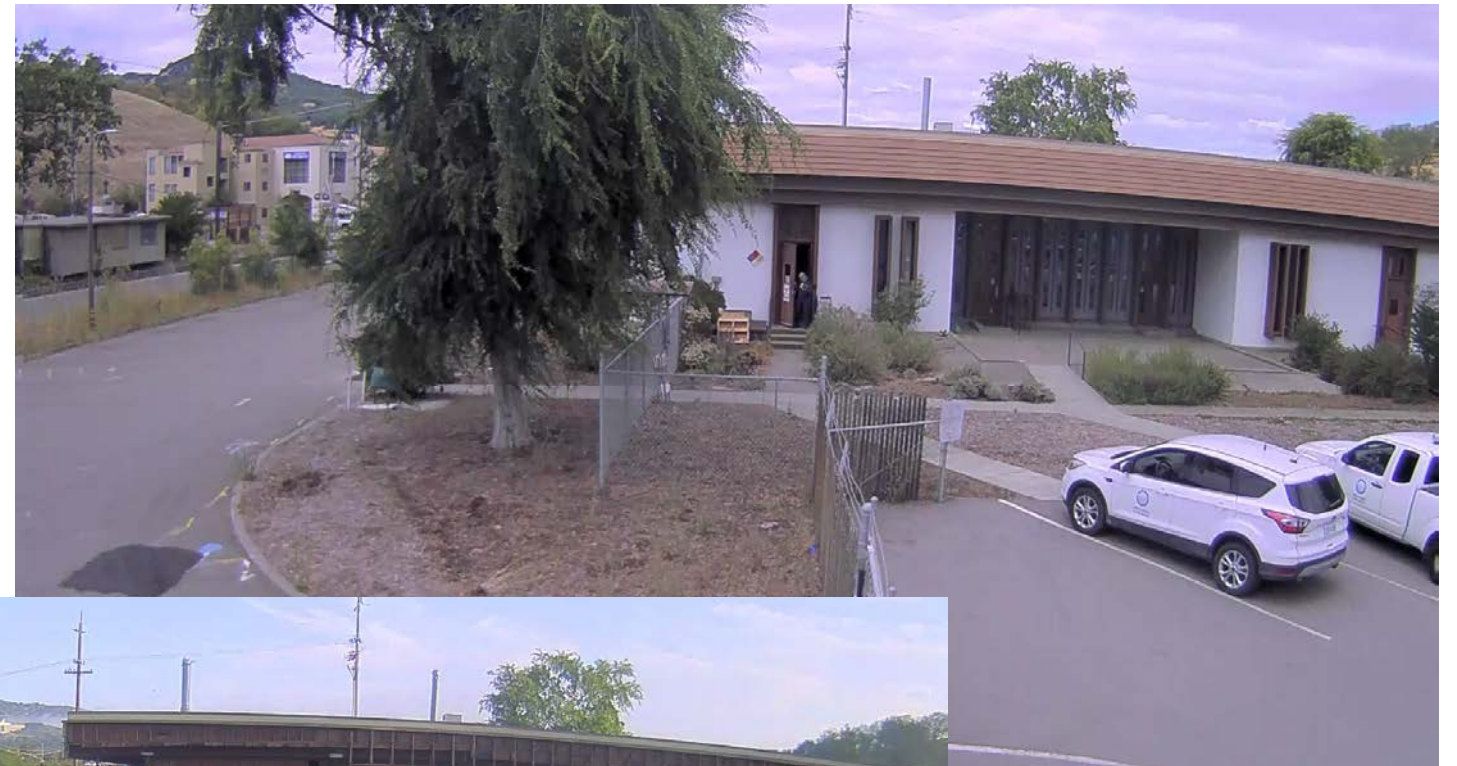
---

# **Administration & Laboratory Upgrade Project Construction Update**

September 20, 2022

# Contents

1. Schedule Update
2. Progress Photos
3. Unforeseen Issues
4. Budget Status



07/04/22



09/14/22



# Project Schedule

1st Day of Work	July 11, 2022
Contract Duration	420 calendar days
Time Elapsed	71 calendar days (17%)
Est. Project Completion	September 4, 2023

Work Completed to Date	
Hard & Soft Demolition	Lab. Addition Pad Grading
Interior & Exterior Abatement	Lab. Addition Footing Excavation
Site Storm Drain	Lab. Addition Footing Rebar
Domestic & Fire Water (NMWD)	Admin. Building New Wall Layout





# 3-Month Look Ahead Schedule

Item of Work	October				November				December			
Admin. – Framing New Walls	x	x	x	x								
Admin. – Interior Utilities, (Rough In)					x	x	x	x	x	x	x	x
Admin. – Roof Patching					x	x	x	x				
Lab. – Pour Footings & Slab	x	x	x									
Lab. – Wall Layout & Framing				x	x	x						
Lab. – Roof Framing & Shear Paneling							x	x	x	x	x	x
Lab. – Plumbing, (Rough In)							x	x	x			
Lab. – Electrical, (Rough In)							x	x	x	x	x	x





# Progress Photos

# Progress Photos



07/25/22

1<sup>st</sup> Day on Site



07/27/22

Site Demolition



# Progress Photos



08/17/22

Subgrade Prep.



08/23/22

Lab Addition  
Building Pad





# Progress Photos



Entrance Demo'd

09/15/22



Front Lobby

09/08/22





# Progress Photos



Stucco Removal

08/19/22



Admin Layout  
(Larger Windows)

09/09/22





# Progress Photos



08/30/22

Roof Soffits Removed



08/30/22

Lab Addition  
Building Pad





# Progress Photos



08/31/22

Footing Trenches



09/08/22

Footing Rebar





# Unforeseen Issues

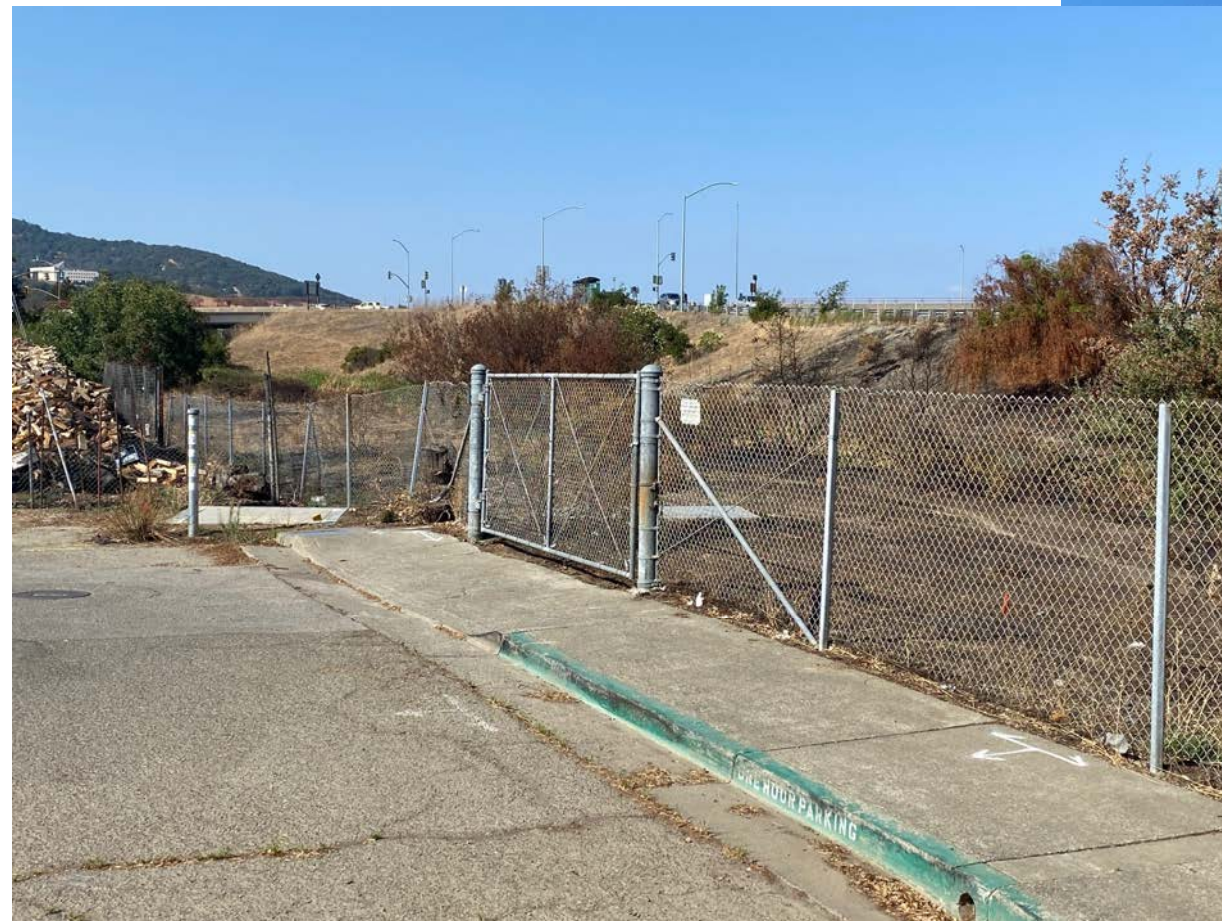


# Nearby Fire

Fire at Nero's Firewood (across from 999 Rush Creek)  
Friday August 19<sup>th</sup> at ~3:30pm  
PGE restored power at ~6:30pm

## Impacts to NMWD

- 2 pump stations
- Plum St. tank (RW)
- NSD facilities



08/19/22

09/15/22





# Unforeseen HazMat

Lead paint\* was discovered underneath the top layer of soffit facing

Additional labor, disposal fees, and monitoring costs were needed to remove

PES Environmental needed contract amendment (BOD approval on 9/6)

*\*Hazardous Material (HazMat)*



08/10/22





# Budget Status



# Budget Status

DL Falk Contract	\$ 11,614,000	
Billed to Date (thru 08/30/22)	\$ 677,138	5.8%
Contingency	\$ 1,252,000	
Current CO Forecast	\$ 178,000	14.2%

## Change Orders (CO)

CO1: Add Alt 2 (Landscape)	\$96,000
CO2: Add'l HazMat (Lead)	\$50,000
CO3: Sewer Changes	\$32,000*

*\*still pending*





Questions?

8



**DISBURSEMENTS - DATED SEPTEMBER 8, 2022**

Date Prepared 9/6/22

The following demands made against the District are listed for approval and authorization for payment in accordance with Section 31302 of the California Water Code, being a part of the California Water District Law:

Seq	Payable To	For	Amount
1	Alameda Electrical Distributors Inc	Material for Gallagher Well Project (\$274) & Parts/Materials for Meter Room (\$540)	\$814.50
2	All Star Rents	Drill Bit (\$29) & Propane (5 gal)	48.44
3	Alpha Analytical Labs	Lab Testing (Novato & W.M.)	390.00
4	AT&T	Telephone (\$79), Fax (\$64), Leased Lines (\$93) & Data (\$263)	499.70
5	Bergstrom, Kyle	Exp Reimb: Water Treatment Plant Operation Course	196.53
6	Blankinship & Associates	Prog Pymt#2: NPDES Aquatic Weed Permit Compliance Support (Balance Remaining on Contract \$1,461)	4,139.38
7	Charlos, Alexandra	Novato "Washer Rebate" Program	100.00
8	Core & Main	Elbows (20) (\$119), Valves (5) (\$7,199), Flange Insulation Kit (\$53), Double Check Valves (8) (\$2,442) & Box Lids (190) (\$14,385)	24,198.31
9	Curtis, Jennifer	Novato "Pool Cover" Rebate Program	75.00
10	Downey, Tom	Novato "Hot Water Recirculation System"	100.00
11	Fisher Scientific	Filters (2,020) (Lab)	357.69
12	GHD Inc.	Prog Pymt#26: Engineering Services for Oceana Marin Pond Rehab Project (Balance Remaining on Contract \$10,842)	5,850.50
13	Gierlich Mitchell	New Pump for VFD Controls for Tank Dewatering & Portable P/S Assembly	3,976.25
14	Goodpaster, Stacie	Exp Reimb: Shipping Charges for Algal Toxin Samples (\$217) & AWWA Membership Renewal (\$302)	519.34

Seq	Payable To	For	Amount
15	Grainger	Enclosure (20" x 10" x 20") & Miscellaneous Maintenance Tools & Supplies	227.58
16	Harrington Industrial Plastics	Mounting Plates (8) (\$261) & Screws	301.76
17	International Dioxide Inc	Sodium Chlorite (43,080 lbs) (STP)	28,863.60
18	Kemira Water Solutions	Ferric Chloride (10 dry tons) (STP)	12,437.48
19	KP Promotions	Uniform Order	9,451.18
20	Lang, Eugene	Novato "Cash for Grass" Rebate Program	400.00
21	Lincoln Life Employer Serv	Deferred Compensation PPE 8/31/22	11,442.62
22	Marsh, Gary	Novato "Cash for Grass" Rebate Program	400.00
23	McLellan Co, WK	Misc Paving	6,159.31
24	Nationwide Retirement Solution	Deferred Compensation PPE 8/31/22	1,195.00
25	Nerviani's Backflow	Backflow Testing (180)	11,560.00
26	North Bay Watershed Assoc.	FY 22/23 Dues (Watershed Stewardship Plans) (Budget \$6,000) (7/22-6/23)	5,838.16
27	Pace Supply	8" Couplings (2)	848.68
28	Pape Machinery Inc.	Service Parts ('09 JD Backhoe)	622.34
29	Peterson Trucks	Service Parts ('12 Int'l Dump Truck)	372.10
30	Point Reyes Light	Display Ad: Salinity Intrusion into Pt. Reyes Well Supply on 8/18	127.50
31	Protection Engineering	Zinc Anodes (50)	4,232.58
32	PumpMan Norcal	Prog Pymt#3: Provide Labor & Materials to Install/Wire NMWD Pump/Motor in Gallagher Well NP-Swell (Balance Remaining on Contract \$0)	2,513.00
33	Staples Business Credit	Misc Office Supplies	260.72
34	State Water Resources Control	T5 Exam Fee (Corda) (\$155) & T4 Certification Fee (Simpson) (\$105)	260.00
35	Stone, Tom	Novato "Washer Rebate" Program	100.00

Seq	Payable To	For	Amount
36	Univar	Sodium Hypochlorite (200 gal) (STP)	292.80
37	Verizon Wireless	Cellular Charges: Data (\$1,209), Airtime (\$215) & iPad for Asset Management (\$200)	1,623.84
38	Weigel, Anna	Novato "Water Smart Landscape Efficiency" Rebate Program	81.72
39	Williamson, Matthew	Exp Reimb: Safety Boots	200.00
40	ZORO	Backups for Telemetering Equipment	345.34
		<b>TOTAL DISBURSEMENTS</b>	<b><u>\$141,422.95</u></b>

The foregoing payroll and accounts payable vouchers totaling \$141,422.95 are hereby approved and authorized for payment.

  
Auditor-Controller

09/02/22  
Date

  
General Manager

9/6/2022  
Date



## ***DISBURSEMENTS - DATED SEPTEMBER 15, 2022***

Date Prepared 9/12/22

The following demands made against the District are listed for approval and authorization for payment in accordance with Section 31302 of the California Water Code, being a part of the California Water District Law:

<b>Seq</b>	<b>Payable To</b>	<b>For</b>	<b>Amount</b>
P/R	Employees	Net Payroll PPE 8/31/22	\$166,743.82
90520*	Internal Revenue Service	Federal & FICA Taxes PPE 8/31/22	73,804.87
90519*	State of California	State Taxes & SDI PPE 8/31/22	16,630.26
90521*	CalPERS	Pension Contribution PPE 8/31/22	40,669.10
1	Able Fence Company	Fencing Supplies	182.98
2	Alameda Electrical Distributors	Electrical Supplies for Gallagher Well	514.16
3	Arendell, Tony	Retiree Exp Reimb (Sept Health Ins)	1,137.78
4	Chandrasekera, Carmela	Retiree Exp Reimb (Sept Health Ins)	1,137.78
5	Charles Custom Welding	Welding Services (Gallagher Well-Pt Reyes)	1,050.00
6	Cilia, Joseph	Retiree Exp Reimb (Sept Health Ins)	409.28
7	Comcast	September Internet (Wood Hollow)	356.50
8	Comcast	Sept Phone Services (Wood Hollow & Buck Institute)	991.43
9	DataTree	August Subscription to Parcel Data Info	100.00
10	Demsey, Filliger & Associates	GASB 75 OPEB Actuarial Valuation (\$4,000) & GASB 75 Disclosure Information Report	4,500.00
11	Diesel Direct West	Diesel (406 gals) (\$2,486) & Gasoline (800 gals) (\$3,827)	6,313.89
12	Direct Line Inc	August Telephone Answering Service	324.84
13	Dowden, John N.	Novato "Cash for Grass" Rebate Program	400.00
14	Durkin Signs & Graphics	Construction Sign (4' x 4')	483.91
15	Enterprise FM Trust	Monthly Leases for Chevy Colorado, Ford Ranger, F250's (2), Nissan Rogues (2), Nissan Frontiers (2), F150's (7) & Chevy Bolt	8,286.64

Seq	Payable To	For	Amount
16	Fedak & Brown LLP	August Progress Billing Financial Statement Audit FY 21/22 (Balance Remaining on Contract \$6,537)	6,424.00
17	Fiorito, David	Novato "Cash for Grass" Rebate Program	275.75
18	Freyer & Laureta, Inc.	Prog Pymt #9: Provide Engineering & Design Services for NMWD Hydro-Pneumatic Pressure Stations (Bal Rem on Contract \$13,936)	27,642.00
19	Frontier Communications	Leased Lines	1,750.52
20	Frontier Communications	Sept Internet Services (STP)	640.00
21	Goodpaster, Stacie	Exp Reimb: Shipping Charges for Algal Toxin Samples	215.57
22	Grainger	Miscellaneous Maintenance Tools & Supplies	1,408.30
23	Hach Co.	Snap-Tite Closures (4) (STP)	113.96
24	Harrington Industrial Plastics	Elbows (20) & Bushings (10)	166.17
25	HERC Rentals Inc.	Backhoe Rental (4 Weeks) (\$2,290) & 5' Chain w/ Latch	2,702.60
26	Hildebrand Consulting LLC	Connection Fee Studies for Novato, West Marin & Recycled Water	1,610.00
27	Holmes, Janalee	Novato "Pool Cover" Rebate Program	75.00
28	Jackson, David	Retiree Exp Reimb (Sept Health Ins)	1,137.78
29	Kahl, Alex	Novato "Water Smart Landscape Efficiency" Rebate Program	200.00
30	KB Home North Bay	Refund Security Deposit on Hydrant Meter Less Final Bill	569.27
31	Kemira Water Solutions	Ferric Chloride (10 tons) (STP)	12,658.70
32	Latanyshyn, Roman	Retiree Exp Reimb (Sept Health Ins)	409.28
33	LeBrun, Kent	Exp Reimb: Electrolyte Drinks for Crew During Heat Wave	35.34
34	Lemos, Kerry	Retiree Exp Reimb (Sept Health Ins)	1,137.78
35	Low Voltage Security Systems	Card Reader Access Keys (25)	337.72

Seq	Payable To	For	Amount
36	Manzoni, Alicia	Retiree Exp Reimb (Sept Health Ins)	409.28
37	Marin Landscape Materials	Concrete (84 sacks)	736.54
38	Marin County Ford	Service Parts ('08 F250, '12 F250 & '18 Cargo Van)	342.30
39	Marin Independent Journal	Subscription Renewal-Digital (Williams)	95.80
40	McLellan Co, WK	Misc Paving	11,383.05
41	Miller Pacific Engineering	Prog Pymt#3: Gallagher Well #2 (Balance Remaining on Contract \$49,941)	3,654.60
42	New Pig Corporation	HazMat Chemical Absorbent Mat Pad & All-Purpose Wipers (STP)	339.94
43	North Marin Auto Parts	5 Gal Buckets (35) & Service Parts ('16 Nissan Frontier, '18 Dodge Ram)	1,135.76
44	North Bay Gas	Nitrogen & Breathing Air (STP)	121.00
45	Novato Builders Supply	Lumber, Rebar, T-Posts, Tensile, Quick Links (14) & Concrete (\$1,581)	2,259.24
46	ODP Business Solutions, LLC	Misc Office Supplies	588.24
47	O'Reilly Auto Parts	Scuff Pad	5.57
48	Pape Machinery Inc.	Air Filters (2), Drain Plug & O-Ring	186.00
49	Pacific Gas & Electric Co	Power: Bdgs/Yard (\$2,667), Other (\$242), Pumping (\$51,270), Rect/Controls (\$719) & TP (\$131)	55,029.77
50	Pini Hardware	Miscellaneous Maintenance Tools & Supplies	381.00
51	Kim Pollak	Refund Overpayment on Closed Account	1,737.58
52	Preferred Alliance, Inc.	Pre-Employment Physicals (Medeiros & Rosas)	84.00
53	Quadient, Inc.	Oct Postal Meter Rental	142.74
54	Quincy Compressor	Fluid Analysis Kit (2)	89.11
55	Reagan, Anne C.	Novato "Cash for Grass" Rebate Program	800.00
56	Recology Sonoma Marin	August Trash Removal	571.16



Seq	Payable To	For	Amount
57	Soiland Co., Inc.	Asphalt Recycling (25 tons) & Rock (48 yds) (\$1,639)	2,018.00
58	Sonoma County Water Agency	Conservation Support Program (4/1/22-6/30/22)	2,230.46
59	State Water Resources Control	D2 Renewal Fee (Nommsen)	80.00
60	State Water Resources Control	Clean Drinking Water SRF Loan Principal & Interest - RW N Seg 2 (Pymt#10 of 20)	116,128.88
61	Thatcher Company of California	Chlorine (4,000 lbs) (STP)	3,566.00
62	United Parcel Service	Delivery Services: Sent Chlorine Scrubber Sample for Analysis (STP)	15.92
63	Univar	Caustic Soda (12 dry tons) (\$9,710) & Sodium Hypochlorite (200 gal) (STP)	9,863.35
64	USACE Finance Center	Refund-Payment Intended for PG&E Not NMWD	411.49
65	Verizon Wireless	SCADA & AMI Collectors (\$650)	830.76
66	Waste Management	Green Waste Disposal	294.30
67	Watkins, Jeff	Exp Reimb: ASE Tests	134.00
68	Winzer Corporation	Hardware Supplies	258.77
69	Wood Rodgers, Inc.	Prog Pymt#11: Provide Engineering & Hydrogeological Services for Gallagher Well (Balance Remaining on Contract \$17,125)	2,986.25
70	ZORO	Brooms (6)	130.81
		<b>TOTAL DISBURSEMENTS</b>	<b><u>\$602,588.65</u></b>

The foregoing payroll and accounts payable vouchers totaling \$602,588.65 are hereby approved and authorized for payment.

  
Auditor-Controller

09/12/2022  
Date

  
General Manager

9/12/2022  
Date

**NORTH MARIN WATER DISTRICT**  
**MONTHLY PROGRESS REPORT FOR August 2022**  
September 20, 2022

1.

**Novato Potable Water Prod\* - RR & STP Combined - in Million Gallons - FYTD**

Month	FY22/23	FY21/22	FY20/21	FY19/20	FY18/19	23 vs 22 %
July	224.5	282.9	341.7	317.7	341.1	-21%
August	235.9	212.4	290.1	287.1	300.9	11%
FYTD Total	460.4	495.3	631.7	604.7	642.0	-7%

**West Marin Potable Water Production - in Million Gallons - FY to Date**

Month	FY22/23	FY21/22	FY20/21	FY19/20	FY18/19	23 vs 22 %
July	6.3	6.0	8.2	8.9	10.2	4%
August	6.8	5.7	9.2	8.4	9.9	19%
FYTD Total	13.1	11.8	17.4	17.3	20.2	12%

**Stafford Treatment Plant Production - in Million Gallons - FY to Date**

Month	FY22/23	FY21/22	FY20/21	FY19/20	FY18/19	23 vs 22 %
July	56.3	67.0	105.8	68.2	78.6	-16%
August	67.9	31.3	81.1	103.8	79.3	117%
FYTD Total	124.2	98.2	186.9	171.9	157.9	26%

**Recycled Water Production\* - in Million Gallons - FY to Date**

Month	FY22/23	FY21/22	FY20/21	FY19/20	FY18/19	23 vs 22 %
July	43.1	42.9	39.0	36.5	30.2	0%
August	41.6	41.4	43.2	33.3	30.6	1%
FYTD Total*	84.8	84.3	82.2	69.8	60.7	1%

\*Excludes potable water input to the RW system: FY23= 1MG FY22=10 MG; FY21=24.7 MG; FY20=16.7; FY19=20.0 MG; FY18=18.1MG

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**2. Regional and Local Water Supply**

**Lake Sonoma**

	Current	2021
Lake Storage*	38,390 MG	37,267 MG
Supply Capacity	48 %	46.7 %

\*Normal capacity = -245,000 AF (79,833.5 MG)

**Lake Mendocino**

	Current	2021
Lake Storage *	14,869 MG	5,985 MG
Supply Capacity	63 %	26.2 %

\*Normal capacity = 70,000-110,000 AF (22,800-35,840MG)

### 3. Stafford Lake Data

	August Average	August 2022	August 2021
Rainfall this month	0.06 Inches	0.00 Inches	0.00 Inches
Rainfall this FY to date	0.06 Inches	0.00 Inches	0.00 Inches
Lake elevation*	184.5 Feet	186.4 Feet	180.1 Feet
Lake storage**	665 MG	770 MG	471 MG
Supply Capacity	41 %	49 %	17 %

\* Spillway elevation is 196.0 feet

\*\* Lake storage less 390 MG = quantity available for normal delivery

### Temperature (in degrees)

	Minimum	Maximum	Average
August 2022 (Novato)	49	119	71
August 2021 (Novato)	47	102	72

### 4. Number of Services

August 31	Novato Water			Recycled Water			West Marin Water			Oceana Marin Swr		
	FY23	FY22	Incr %	FY23	FY22	Incr %	FY23	FY22	Incr %	FY23	FY22	Incr %
Total meters installed	20,881	20,795	0.4%	102	99	3.0%	800	795	0.6%	-	-	-
Total meters active	20,725	20,614	0.5%	99	96	3.1%	790	786	0.5%	-	-	-
Active dwelling units	24,099	24,094	0.0%	-	-	-	838	837	0.1%	235	235	0.0%

### 5. Oceana Marin Monthly Status Report (August)

Description	August 2022	August 2021
Effluent Flow Volume (MG)	0.452	0.527
Irrigation Field Discharge (MG)	0.000	0.641
Treatment Pond Freeboard (ft)	3.5	5.8
Storage Pond Freeboard (ft)	10.0	12.0 (dry)

### 6. Developer Projects Status Report (August)

Job No.	Project	% Complete	% This month
1.2831.00	Landsea Homes	85	0
1.2836.00	Residence Inn	10	0
1.2841.00	Hamilton Village	75	5
1.2855.00	NSD Ignacio Plant	20	0
1.2858.00	North Bay Children's Center	20	0
1.2859.00	Station House Café	85	15
1.2860.00	Habitat Redwood Blvd	5	0

### District Projects Status Report - Const. Dept. (August)

Job No.	Project	% Complete	% This month
2.6609.20	Gallagher Well No. 2	95	5
1.7204.00	Loop Dead End Mains – Office to Yard	90	40



### Employee Hours to Date, FY 22/23

As of Pay Period Ending August 31, 2022  
Percent of Fiscal Year Passed = 17%

Developer Projects	Actual	Budget	% YTD Budget		District Projects	Actual	Budget	% YTD Budget
Construction	221	1,400	16%		Construction	1,188	3,988	30%
Engineering	252	2,290	11%		Engineering	541	4,323	13%

### 7. Safety/Liability

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Industrial Injury with Lost Time				Liability Claims Paid	
Lost Days	OH Cost of Lost Days (\$)	No. of Emp. Involved	No. of Incidents	Incurred (FYTD)	Paid (FYTD) (\$)
64	\$37,504	2	2	\$0	\$0
21	\$4,782	1	1	0	\$0

FY 23 through August

FY 22 through August

Days since lost time accident through August 31, 2022

40 Days

### 8. Energy Cost

FYE	August			Fiscal Year-to-Date thru August		
	kWh	¢/kWh	Cost/Day	kWh	¢/kWh	Cost/Day
2023 Stafford TP	69,985	22.2¢	\$501	142,148	22.2¢	\$509
Pumping	144,252	29.0¢	\$1,396	299,316	29.0¢	\$1,401
Other <sup>1</sup>	37,953	34.5¢	\$437	82,204	34.3¢	\$454
	252,190	28.0¢	\$2,334	523,668	28.0¢	\$2,364
2022 Stafford TP	25,807	21.6¢	\$180	67,573	21.6¢	\$235
Pumping	136,878	27.6¢	\$1,261	292,084	27.5¢	\$1,298
Other <sup>1</sup>	39,713	31.4¢	\$416	82,021	31.3¢	\$413
	202,398	27.6¢	\$1,857	441,678	27.3¢	\$1,946
2021 Stafford TP	89,767	19.2¢	\$556	184,834	19.6¢	\$301
Pumping	187,568	25.5¢	\$1,497	355,504	25.7¢	\$1,497
Other <sup>1</sup>	52,250	30.9¢	\$504	97,642	30.2¢	\$484
	329,585	24.7¢	\$2,557	637,980	25.4¢	\$2,282

<sup>1</sup>Other includes West Marin Facilities

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## 9. Water Conservation Update

	Month of August 2022	Fiscal Year to Date	Program Total to Date
High Efficiency Toilet (HET) Rebates	4	12	4,420
Retrofit Certificates Filed	13	23	6,724
Cash for Grass Rebates	8	14	1,030
Washing Machine Rebates	4	5	6,872
Water Smart Home Survey	2	7	3,915

## 10. Utility Performance Metric

<b>SERVICE DISRUPTIONS (No. of Customers Impacted)</b>	<b>August 2023</b>	<b>August 2022</b>	<b>Fiscal Year to Date 2023</b>	<b>Fiscal Year to Date 2022</b>
<b>PLANNED</b>				
Duration Between 0.5 and 4 hours	25	8	32	25
Duration Between 4 and 12 hours				
Duration Greater than 12 hours				
<b>UNPLANNED</b>				
Duration Between 0.5 and 4 hours	27	0	90	2
Duration Between 4 and 12 hours				
Duration Greater than 12 hours				
<b>SERVICE LINES REPLACED</b>				
Polybutylene	11	3	14	13
Copper Replaced or Repaired)	1	4	1	12

Planned: In the month of August there were 11 plastic service leaks and 1 copper. One of the plastic services was in West Marin.

Unplanned: We had a blown 2-inch plastic service in the Pacheco Valley area of Alameda Del Prado, which caused 27 service disruptions for about 3 hours.

11.

## Water Bill Delinquency Impacts

	2 Years Ago 08/2020	Last Year 08/2021	This Year 08/2022
Customer Accounts Past Due (count)	3.2%	3.7%	1.0%
Delinquent Balances % Due on Account	8.1%	11.0%	1.8%
Delinquent Balances \$ Due on Account*	\$ 116,000	\$ 134,000	\$ 27,100

\* High balance on record of \$159K in 12/2021.

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# NORTH MARIN WATER DISTRICT

## Summary of Complaints & Service Orders August 2022

### Tag Breakdown:

Total: 340 Consumer: 101 Office: 239

Type	Aug-22	Aug-21	Added Notes
<b><u>Billing</u></b>			
High Bill	1	0	
Total	1	0	
<b><u>Meter Replacement</u></b>	15	17	
Total	15	17	
<b><u>Need Read</u></b>	1	12	
Total	1	12	
<b><u>No-Water</u></b>	3	0	
Total	3	0	
<b><u>Leak</u></b>			
Consumer	252	185	
District	18	18	
Total	270	203	
<b><u>Water Quality</u></b>			
Color	0	1	
Total	0	1	
<b><u>Check Pressure</u></b>	4	2	
Total	4	2	
<b><u>Turn Off / On</u></b>	33	25	
Total	33	25	
<b><u>Other</u></b>	13	9	
Total	13	9	
<b>TOTAL FOR MONTH:</b>	<b>340</b>	<b>269</b>	<b>26%</b>

### Fiscal YTD Summary

Billing	1	-
Meter Replacement	26	30
Need Read	1	13
No-Water	9	-
Leak	457	326
Water Quality	1	1
Pressure	5	4
Turn Off / On	61	50
Other	29	21
Total	590	445

### Change Primarily Due To

Increase in Billing
Decrease in Meter Replacements
Decrease in Reads
Increase in No-Water
Increase in Leaks
No Change.
Increase in Water Pressure
Increase in Water On/Off
Increase in Misc. Tags
33%

### Bill Adjustments Under Board Policy:

#### August 22 vs. August 21

Aug-22	16	\$2,951
Aug-21	25	\$10,181

#### Fiscal Year vs Prior FY

FY 22/23	31	\$5,276
FY 21/22	34	\$11,254





## MEMORANDUM

To: Board of Directors

September 20, 2022

From: Julie Blue, Auditor-Controller *JB*  
Nancy Holton, Accounting Supervisor

Subj: Auditor-Controller's Monthly Report of Investments for August 2022  
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**RECOMMENDED ACTION:** Information

**FINANCIAL IMPACT:** None

At month end the District's Investment Portfolio had an amortized cost value (i.e., cash balance) of \$42,611,449 and a market value of \$42,312,540. During August the cash balance increased by \$185,110. The market value of securities held decreased \$298,909 during the month. The total unrestricted cash balance at month end was \$3,422,759 and 103.7% of the Designated Cash Reserves are funded.

At August 31, 2022, 54% of the District's Portfolio was invested in California's Local Agency Investment Fund (LAIF), 8% in Time Certificates of Deposit, 35% in a Treasury Note, 2% in the Marin County Treasury, and 1% retained locally for operating purposes. The weighted average maturity of the portfolio was 82 days, compared to 43 days at the end of July. The LAIF interest rate for the month was 1.28%, compared to 1.09% the previous month. The weighted average Portfolio rate was 1.83%, compared to 1.10% for the prior month.

Investment Transactions for the month of August are listed below:

8/4/2022 LAIF	US Bank	\$250,000.00	Trsf from LAIF account
8/5/2022 US Bank	Synchrony Bank	\$245,000.00	Purchase 3.30% TCD due 8/5/24
8/5/2022 LAIF	US Bank	\$150,000.00	Trsf from LAIF account
8/11/2022 US Bank	LAIF	\$400,000.00	Trsf to LAIF account
8/18/2022 US Bank	LAIF	\$200,000.00	Trsf to LAIF account
8/23/2022 LAIF	US Bank	\$15,000,000.00	Trsf from LAIF account
8/24/2022 US Bank	U.S. Treasury	\$14,997,770.96	Purchase 2.83% Treasury
8/25/2022 LAIF	US Bank	\$900,000.00	Trsf from LAIF account
8/31/2022 US Bank	LAIF	\$400,000.00	Trsf to LAIF account

**NORTH MARIN WATER DISTRICT  
AUDITOR-CONTROLLER'S MONTHLY REPORT OF INVESTMENTS  
August 31, 2022**

Type	Description	S&P Rating	Purchase Date	Maturity Date	Cost Basis <sup>1</sup>	8/31/2022 Market Value	Yield <sup>2</sup>	% of Portfolio
<b>LAIF</b>	State of CA Treasury	AA-	Various	Open	\$22,938,378	\$22,643,056	1.28% <sup>3</sup>	<b>54%</b>
<b>Time Certificate of Deposit</b>								
TCD	Enerbank	n/a	9/25/20	9/25/24	249,000	249,000	0.45%	1%
TCD	Sallie Mae Bank	n/a	8/18/21	8/18/23	249,000	249,000	0.35%	1%
TCD	UBS Bank	n/a	9/9/21	9/11/23	249,000	249,000	0.35%	1%
TCD	BMW Bank	n/a	8/20/21	2/20/24	249,000	249,000	0.45%	1%
TCD	Goldman Sachs Bank	n/a	1/19/22	1/19/24	249,000	249,000	0.75%	1%
TCD	Ally Bank	n/a	2/24/22	2/23/24	248,000	248,000	1.30%	1%
TCD	Greenstate Credit Union	n/a	3/15/22	3/15/24	249,000	249,000	1.60%	1%
TCD	Capital One Bank	n/a	4/7/22	4/8/24	247,000	247,000	2.20%	1%
TCD	Capital One Bank, N.A.	n/a	4/20/22	4/22/24	247,000	247,000	2.35%	1%
TCD	American Express Natl Bank	n/a	5/4/22	5/6/24	246,000	246,000	2.60%	1%
TCD	BMO Harris Bank	n/a	6/10/22	6/10/24	246,000	246,000	2.80%	1%
TCD	Ge Credit Union	n/a	6/29/22	6/28/24	249,000	249,000	3.25%	1%
TCD	Beal Bank	n/a	7/13/22	7/10/24	246,000	246,000	3.05%	1%
					<b>\$3,223,000</b>	<b>\$3,223,000</b>	<b>1.72%</b>	<b>8%</b>
<b>US Treasury Notes</b>								
Treas	Treasury Note	n/a	8/24/22	12/20/22	<b>\$14,997,771</b>	<b>\$14,994,184</b>	<b>2.83%</b>	<b>35%</b>
<b>Other</b>								
Agency	Marin Co Treasury	AAA	Various	Open	\$1,045,419	\$1,045,419	0.02%	2%
Other	Various	n/a	Various	Open	406,882	406,882	0.15%	1%
<b>TOTAL IN PORTFOLIO</b>					<b>\$42,611,449</b>	<b>\$42,312,540</b>	<b>1.83%</b>	<b>100%</b>

Weighted Average Maturity = **82 Days**

LAIF: State of California Local Agency Investment Fund.

TCD: Time Certificate of Deposit.

Treas: US Treasury Notes with maturity of 5 years or less.

Agency: STP State Revolving Fund Loan Reserve.

Other: Comprised of 5 accounts used for operating purposes. US Bank Operating Account, US Bank STP SRF Loan Account, US Bank FSA Payments Account, Bank of Marin AEEP Checking Account & NMWD Petty Cash Fund.

1 Original cost less repayment of principal and amortization of premium or discount.

2 Yield defined to be annualized interest earnings to maturity as a percentage of invested funds.

3 Earnings are calculated daily - this represents the average yield for the month ending August 31, 2022.

<b>Interest Bearing Loans</b>	Loan Date	Maturity Date	Original Loan Amount	Principal Outstanding	Interest Rate
Marin Country Club Loan	1/1/18	11/1/47	\$1,265,295	\$1,092,502	1.00%
Marin Municipal Water - AEEP	7/1/14	7/1/32	\$3,600,000	\$1,777,295	2.71%
Employee Housing Loan (1)	3/30/15	3/30/30	250,000	250,000	Contingent
<b>TOTAL INTEREST BEARING LOANS</b>			<b>\$5,115,295</b>	<b>\$3,119,797</b>	

**The District has the ability to meet the next six months of cash flow requirements.**

## September 8, 2022 POINT REYES LIGHT

### **Notice:**

Seasonal salinity intrusion has occurred into two of North Marin Water District's wells serving the West Marin communities of Point Reyes Station, Olema, Inverness Park, and Paradise Ranch Estates.

The table below lists the most recent concentrations for sodium and chloride in the West Marin water supply. While there is no direct health concern from salt for most people at this concentration, customers that are on sodium restricted diets may choose to consult their physicians to see if additional sodium is a concern for them.

Date	Sodium	Chloride	Units
8/8/22	20 - 110*	30 - 241*	mg/L*
8/15/22	12 - 99*	17 - 224*	mg/L*
8/22/22	12 - 76*	16 - 154*	mg/L*
8/29/22	12 - 84*	16 - 174*	mg/L*

mg/L\* milligrams per liter

\* This is a range from four different sample sites across the span of NMWD's distribution system.

More information about NMWD's water quality programs including the annual report summarizing the high quality of the drinking water we serve to your tap can be found at [www.nmwd.com/wq](http://www.nmwd.com/wq).



## CALIFORNIA VOICE

## Newsom's water strategy must go further

Two weeks ago, Gov. Gavin Newsom released his water supply strategy, which is designed to address California's warming climate and increasing drought intensity.

Central to this strategy is expanding storage to capture water during wet periods and to help urban and agricultural users make it through dry times.

But why stop there? What about storing water for the environment?

In our recent Public Policy Institute of California report, titled "Storing Water for the Environment: Operating Reservoirs to Improve Freshwater Ecosystems," we explore how to do a better job of managing rivers that are affected by large dams and how to make restoring river health a primary objective of reservoir management.

Reservoirs are crucial for water management in California's highly variable climate. The construction and operation of dams, however, has taken a toll on the environment. Dams change water quality and flow timing, and they block access to high-quality headwater habitat.

This — along with many land-use changes and the introduction of invasive species — particularly harms salmon and steelhead, two of California's most iconic and endangered fishes.

By law, dam operators are required to prevent or mitigate harm to river ecosystems and the native species that make use of them. The

current approach to environmental management below dams relies on constraining water and hydropower operations, usually by requiring dam operators to meet minimum flow and water quality standards.

This constraint-based approach has neither improved the health of rivers and estuaries nor led to the recovery of native species populations. This approach is also notoriously complex, inflexible and hard to adjust, making it ill-suited to manage rapidly changing conditions. Moreover, these standards are the epicenter of water litigation.

We propose a change in course. Using a simple reservoir model, we demonstrate that ecosystem managers can achieve better environmental outcomes when they are granted a percentage of reservoir inflow along with a portion of storage capacity. Flexibly managed, this combination of inflow and storage leads to the most efficient use of environmental water.

We think our approach — which effectively grants assets to the environment that can be flexibly managed — is the better way to go. It treats the environment as the priority it is rather than a constraint.

Here's why this is a better approach: Research has demonstrated the importance of varying the timing and amount of streamflows to meet specific ecosystem functions. Everything from fish, insects and amphibians, to birds and plants rely on this variability. All are adapted to the first freshet in the fall, the winter flood pulses, the slow decline in spring flows as snows recede, and the low flows of summer. And all are adapted to the wet and dry cycles that are part of California's climate.

Storing water set aside for the environment in reservoirs allows ecosystem managers to vary flow releases to create the seasonal and year-to-year variability necessary for healthy rivers below dams. Done well, with good governance and investments in physical habitat, managing stored water also reduces uncertainties for both the environment and other water demands.

Several consequential regulatory and planning efforts in progress in the Central Valley would benefit from adopting this approach. These include:

- An update of the water quality control plan for the Sacramento-San Joaquin Delta and its watershed;
- Negotiations over voluntary agreements that seek to meet the objectives of the water quality control plan;
- Efforts to develop a coordinated operating plan for the Central Valley project and state water project that protects endangered species; and
- Major investments of state funds in new storage and water for the environment.

All these efforts rely upon storing water in reservoirs to meet environmental requirements. And all will struggle to adapt to rapidly changing conditions as the climate warms and droughts intensify.

We think reserving storage space and reservoir inflow for the environment is better than traditional regulatory approaches. And we recognize that this approach is novel — even risky — but we need to take some risks to manage growing threats to the health of our rivers and estuaries.

*Sarah Null is a CalTrout Ecosystem Fellow at the PPIC Water Policy Center. Jeffrey Mount, a geomorphologist, is a senior fellow at the PPIC Water Policy Center. Distributed by [CalMatters.org](https://calmatters.org).*



## WEATHER

## Record for heat falls in county

BY GARY KLIEN

[GKLIEN@MARINIJ.COM](mailto:GKLIEN@MARINIJ.COM)

In the face of triple-digit heat in Novato on Monday, Stephanie Larson and her family took decisive action. They evacuated to the Baskin-Robbins on Grant Avenue.

As her husband, her two children and her parents cooled off with ice cream and “Wild ‘n Reckless Sherbet,” Larson explained that she lives in Novato for a reason: to avoid Central Valley-like heat.

Unfortunately, her yard thermometer registered 109 degrees, and that was one of the chillier spots in Novato. The National Weather Service reported a high temperature of 113 degrees in Novato on Monday. “This is a little much for me,” Larson said.

Temperature records fell across the region on Monday as a heat wave gained full force. Rick Canepa, a meteorologist for the National Weather Service, said just about anywhere in Marin County away the coast topped 100 degrees or came close.

Canepa said the heat in Kentfield easily broke the record for the date. The temperature on Monday was 107 degrees, beating the previous high of 103 degrees on Sept. 5, 1950.

Kentfield almost tied the record for the entire month of September — 108 degrees in 2017 and 2020, Canepa said. The all-time hottest date on record for Kentfield is 112 degrees on July 11, 1913, he said.

Elsewhere in the North Bay, Napa hit 109 degrees to break the previous record of 102 set in 2020, and Santa Rosa hit 112 degrees

to break the 101 recorded in 2008.

Around the region, San Jose had the highest temperature recorded for the date at 100 degrees, breaking the previously held record of 99 degrees in 2008. Redwood City registered 106 degrees, topping the previous record of 97 set in 1983.

Even San Francisco — which so far has escaped the heat with its foggy natural air conditioning from the Golden Gate — recorded 96 degrees at San Francisco International Airport, edging out its previous record of 93 set in 2004.

While some relief may be coming on Wednesday, meteorologist Dalton Behringer said Tuesday could be even hotter.

"It's a strong heat wave," Behringer said. "It's still going to be hot, we have 98 forecast for San Jose. Not cool."

In Oakland, temperatures topped out at 96 degrees on Monday, breaking the previous record of 95 in 2008, leading to practically deserted streets save for a half dozen people by the waterfront.

Chas Rudberg, 67, of Larkspur docked his 13-foot kayak at the Jack London Aquatic Center after a three-hour journey that took him through the Oakland Estuary and out to the bay before he returned.

He said he was mainly out for recreation and the cooler weather and breezes out on the water were a plus, adding that the weather “was real nice out there, a lot cooler than here.”

Others packed into cars to descend on the region's beaches in droves. For the past few days parking lots have been full, beaches packed with people and traffic nightmarish in the area's small beach towns.

“We knew it was going to be in the high 100s, so we wanted to go to the closest beach possible,” said Luiz Vazquez of Fairfield.

“Luckily, the beach in Benicia is close to us as we try to survive the California heat!”

With more demand on the California power grid than ever before, experts warn that rolling blackouts could be in store across the state as the California Independent System Operator on Monday cautioned its system is teetering on the edge and encouraged people to cut down on their energy use between the hours of 4 and 10 p.m., when demand is the highest.

With temperatures expected to soar again Tuesday, the ISO also issued a “flex alert” for Tuesday between 4 and 9 p.m., when the projected electricity demand of 50,099 megawatts will be at a 2,000 to 3,000-megawatt deficit, the highest ever, system executive Elliott Mainzer said Monday. That’s the highest forecasted demand ever seen in California, a record set in July 2006.

“Every single individual can play their role,” Mainzer said. “It’s really about taking those specific steps after 4 p.m. and shifting all energy to before 4 p.m. or after the alert. This is an extraordinary event, a record-setting heat wave in terms of duration and temperature.”

Temperatures are expected to cool off slightly starting Wednesday, but by the weekend and next week, the region will see more seasonable weather. Behringer said he’s keeping a close eye on a tropical storm coming up the California coast which could bring with it a slight chance of showers and lightning.

With high temperatures drying up vegetation all week, Behringer says lightning could prove disastrous and start new fires while over 4,400 firefighters battle 14 major blazes as of Monday.

“It’s not a slam dunk, whenever a tropical system starts to move up the coast we’ll have a better idea of how far the moisture will reach but right now it’s tough to say,” Behringer said. “Over the next couple of days, we should start getting a better idea.”

*Bay Area News Group contributed to this report.*



## EXPLAINER

# Is COVID-19 winding down at long last? Scientists say no

BY LAURA UNGAR

THE ASSOCIATED PRESS

Is the coronavirus on its way out?

You might think so. New, updated booster shots are being rolled out to better protect against the variants circulating now. The U.S. Centers for Disease Control and Prevention has dropped COVID-19 quarantine and distancing recommendations. And more people have thrown off their masks and returned to pre-pandemic activities.

But scientists say no. They predict the scourge that's already lasted longer than the 1918 flu pandemic will linger far into the future.

One reason it's lasted this long? It's gotten better and better at getting around immunity from vaccination and past infection. Scientists point to emerging research that suggests the latest omicron variant gaining ground in the U.S. — BA.4.6, which was responsible for around 8% of new U.S. infections last week — appears to be even better at evading the immune system than the dominant BA.5.

Scientists worry the virus may well keep evolving in worrisome ways.

## How long will it be around?

White House COVID-19 coordinator Dr. Ashish Jha said COVID-19 will likely be with us for the rest of our lives.

Experts expect COVID-19 will someday become endemic, meaning it occurs regularly in certain areas according to established patterns. But they don't think that will be very soon.

Still, living with COVID "should not necessarily be a scary or bad concept," since people are getting better at fighting it, Jha said during a recent question-and-answer session with U.S. Sen. Bernie Sanders of Vermont. "Obviously if we take our foot off the gas — if we stop updating our vaccines, we stop getting new treatments — then we could slip backwards."

Experts say COVID will keep causing serious illness in some people. The COVID-19 Scenario Modeling Hub made some pandemic projections spanning August 2022 to May 2023, assuming the new tweaked boosters adding protection for the newest omicron relatives would be available and a booster campaign would take place in fall and winter. In the most pessimistic scenario — a new variant and late boosters — they projected 1.3 million hospitalizations and 181,000 deaths during that period. In the most optimistic scenario — no new variant and early boosters — they projected a little more than half the number of hospitalizations and 111,000 deaths.

Eric Topol, head of Scripps Research Translational Institute, said the world is likely to keep seeing repetitive surges until "we do the things we have to do," such as developing next generation vaccines and rolling them out equitably.

Topol said the virus "just has too many ways to work around our current strategies, and it'll just keep finding people, finding them again, and self-perpetuating."

### **How will the virus mutate?**

Scientists expect more genetic changes that affect parts of the spike protein studding the surface of the virus, letting it attach to human cells.

“Every time we think we’ve seen the peak transmission, peak immune escape properties, the virus exceeds that by another significant notch,” Topol said.

But the virus probably won’t keep getting more transmissible forever.

“I think there is a limit,” said Matthew Binnicker, director of clinical virology at Mayo Clinic in Rochester, Minnesota. “What we’re really dealing with, though, is there’s still a lot of people across the world who don’t have any prior immunity — either they haven’t been infected or they haven’t had access to vaccination.”

If humanity’s baseline level of immunity rises significantly, he said, the rate of infections, and with that emergence of more contagious variants, should slow down.

But there is a chance the virus could mutate in a way that causes more severe illness.

“There’s not any inherent reason, biologically, that the virus has to become milder over time,” said Dr. Wesley Long, a pathologist at Houston Methodist. The fact it may seem milder now “is likely just the combined effect of all of us having some immune history with the virus.”

While scientists hope that continues, they also point out that immunity gradually wanes.

### **Will the next variant be another version of omicron?**

Omicron has been around since late last year, with a series of super transmissible versions quickly displacing one another, and Binnicker believes “that will continue at least for the next few months.”

But down the road, he said it’s likely a new variant distinct from omicron will pop up.



The recent wave of infections and re-infections, he said, “gives the virus more chances to spread and mutate and new variants to emerge.”

### **Can people influence the future of the virus?**

Yes, experts said. One way is to get vaccinated and boosted.

“We have a virus out there that’s still circulating, still killing hundreds of Americans every day,” Jha said in a press briefing Tuesday. But, he added: “We now have all of the capability to prevent, I believe, essentially all of those deaths. If people stay up to date on their vaccines, if people get treated if they have a breakthrough infection, we can make deaths from this virus vanishingly rare.”

Not only does vaccination protect against severe disease and death, it raises the level of immunity globally.

CDC director Rochelle Walensky said Tuesday that up to 100,000 COVID-19 hospitalizations and 9,000 deaths could be prevented if Americans get the updated booster at the same rate they typically get an annual flu shot this fall. About half of Americans are typically vaccinated against the flu each year.

People can also keep protecting themselves by taking other precautions like, for example, wearing masks indoors when COVID rates are high.

Longtime nurse Catherine Mirabile said it’s important not to dismiss the dangers of the coronavirus — which sickened her twice, nearly killed her husband and left them both with long COVID. Daily deaths still average around 450 in the U.S.

“People really need to look at this and still take this seriously,” said the 62-year-old from Princeton, West Virginia, who is now on disability. “They could end up in the same shape we’re in.”

WEST MARIN

## MALT hires new leader after period of upheaval

Conservation board turns to veteran nonprofit executive



Cattle graze at McDowell Ranch near Tomales in July. The property is the latest easement deal completed by the Marin Agricultural Land Trust, and several more transactions are in the works for the near future. ALAN DEP — MARIN INDEPENDENT JOURNAL



Lily Verdone, the new executive director of the land trust, has held positions at Coastal Quest, the Nature Conservancy and the Palos Verdes Peninsula Land Conservancy. PHOTO BY PAIGE GREEN

**BY RICHARD HALSTEAD**



**RHALSTEAD@MARINIJ.COM**

The Marin Agricultural Land Trust has hired a Bay Area nonprofit leader as its new executive director, the third since 2020.

Lily Verdone has worked at Coastal Quest, an Oakland organization focused on building climate resilience for coastal communities. Prior to that, she worked for over a decade at the Nature Conservancy.

Before joining the Nature Conservancy in 2010, Verdone spent two years working for the Palos Verdes Peninsula Land Conservancy as its director of conservation. She has a bachelor's degree in environmental studies and a master's degree in biology from Sonoma State University.

"Lily has the leadership expertise, people skills and the conservation and land trust experience to further build on MALT's successful work," said Jennifer Carlin, who was MALT's interim executive director and now assumes the deputy director role.

Verdone's hiring follows a period of tumult at MALT that began in 2020 with allegations made by Ross resident Ken Slayen. He said MALT had inflated the value of conservation easements it acquired using Measure A funds in order to benefit present and former board members and their families.

MALT countered that Slayen was disgruntled because MALT had rejected his bid for a conservation easement in 2015.

Slayen submitted his allegations to the Marin County District Attorney's Office and the state Fair Political Practices Commission in September 2020. The district attorney filed no charges. The political commission and Marin County Counsel Brian Washington also looked into Slayen's assertions and took no action.

Nevertheless, MALT altered its conflict-of-interest policy prohibiting sitting board members and their immediate families from selling easements to MALT. In July 2020, MALT director Jamison Watts resigned.

In April 2021, MALT hired Thane Kreiner, who holds a doctoral degree in neuroscience from Stanford University and spent 17 years founding and running life science companies, to replace Watts. Kreiner, left in December, publicly giving no reason.

Regarding the recent turmoil surrounding MALT, Verdone said, “My approach is to come in and respect the past but look to the future. The way that MALT’s bylaws are written now is consistent with the organizations I have worked with.”

Despite the controversy swirling around MALT, Marin residents voted in June to renew Measure A, a quarter-cent sales tax that has supplied matching funds for 12 of MALT’s easements covering 7,414 acres. The measure received the support of more than 74% of the voters. The share of Measure A funds earmarked for easements was reduced from 20% to 10%.

“We’re just so thrilled that it passed, and it passed with such overwhelming support,” Verdone said.

In addition to Slayen’s allegations, MALT’s public support was undermined by those opposed to the approval of the National Park Service land management plan in the Point Reyes National Seashore last year. Cattle ranching continues on some 28,000 acres within the 86,000-acre seashore and the neighboring Golden Gate National Recreation Area. The management plan allows the park to extend leases from five-year terms to 20 years.

“The continuation of agriculture in the seashore directly affects our mission to permanently protect agricultural land for agricultural use, so MALT supports sustainable farming and ranching in these areas,” Verdone said.

Verdone said climate change and development are the two biggest threats to the future of agriculture in western Marin. She said MALT’s core mission is protecting agricultural land in western Marin for agricultural use. Purchasing conservation easements is a vital part of that, she said.

“That is a main tool in our tool belt,” she said.

Unlike Kreiner, Verdone has considerable experience with conservation easements and agriculture in general.

“My work with the Nature Conservancy was focused on easements and fee title acquisition of both open space and agricultural lands,” Verdone said.

She said the Nature Conservancy purchased farmland along the Santa Clara River in Ventura County and then, in many cases, leased it back to the families who owned it so they could continue farming. As a result, a unique open space and farming region was preserved an hour’s drive from the greater Los Angeles area, where 20 million people live.

“Agriculture and farmlands are really great partners to on-the-ground conservation,” Verdone said.

In late August, MALT announced that it had completed its first conservation easement since July 2020, when MALT returned \$833,250 in Measure A funds that the county gave it to help purchase the agricultural easement on the Dolcini-Beltrametti Ranch.

The county asked MALT for a refund after the trust notified officials it had failed to disclose an earlier property appraisal that would have reduced the grant.

The easement of the 723-acre McDowell Ranch announced in August was completed with \$1.8 million in Measure A proceeds and \$1.8 million from private donations to MALT.

Verdone said that MALT has six more easements totaling 4,000 acres in its pipeline.

“A few are in the works for this year,” she said, “The rest will be staggered over the next 18 months.”

Marin Agricultural Commissioner Stefan Parnay said, “I work with a lot of the MALT staff and the organization. They’re really responsive and passionate about what they do.”



“I think the organization is headed in an excellent direction,” he said.

## UTILITY REACTS

# MMWD criticizes report on its drought response

Says grand jury's assessment lacked credibility, had errors



Bon Tempe Lake in Fairfax on Monday. The Marin County Civil Grand Jury's accusation that the Marin Municipal Water District did not take past steps to build a more resilient water supply drew criticism from district officials. ALAN DEP — MARIN INDEPENDENT JOURNAL



Low water levels a year ago at Nicasio Reservoir. The Marin Municipal Water District said that it “took all necessary and appropriate steps to assure continued water service to its customers.” SHERRY LAVARS — MARIN INDEPENDENT JOURNAL, FILE

**BY WILL HOUSTON**

**[WHOUSTON@MARINIJ.COM](mailto:WHOUSTON@MARINIJ.COM)**

Marin Municipal Water District is pushing back on a Marin County Civil Grand Jury report asserting the agency nearly faced depleting its reservoirs this year because it had not taken past steps to build a more resilient water supply.

The grand jury assessment lacked credibility, included factual errors and is being used to incite more critique of the district’s handling of the drought last year, the district Board of Directors said.



“It certainly was very angry at the district for failing to do something,” board member Cynthia Koehler said during a discussion on the report Sept. 6. “But if you go through it, they actually never had the courage or conviction to say what that thing should have been.”

“The thing has been weaponized, I can tell you that much,” board member Larry Bragman said of the report.

The grand jury report came after two winters of drought in 2019-2020 and 2020-2021 threatened to deplete local reservoirs as soon as mid-2022. Last year, the district prepared to build an emergency \$100 million pipeline across the Richmond-San Rafael Bridge to pump in Sacramento Valley water to prevent that outcome. The project was put on hold after several large storms at the end of 2021 nearly refilled the district’s seven reservoirs in the Mount Tamalpais watershed.

The grand jury report recommended the district, which serves 191,000 residents in central and southern Marin, create at least a four-year water supply. The district’s reservoirs make up about 75% of its annual supply and have about a two-year supply of water. The remainder of the district’s supply comes from Russian River water imports from the Sonoma Water agency.

The district last faced depleting local supplies in the 1976-1977 drought. After building a temporary pipeline across the Richmond Bridge to avoid running out of water, the district expanded its reservoir supplies by doubling the size of Kent Lake, its the largest reservoir, and building the Soulajule Reservoir.

In a statement, grand jury foreperson Pat Shepard said she had no further comment other than to say “the report was investigated, written and approved by the 19-member 2021-2022 grand jury and stands on its own.”

In its responses, the water district noted that the western U.S. is going through a historic drought, with the last 22 years being the

driest in the past 1,200 years, according to a study published by Columbia University's Lamont-Doherty Earth Observatory.

"I would have liked to have seen something that maybe stepped back and sort of explained the bigger and more complex picture that California water management has become with climate change," board member Monty Schmitt said of the grand jury report.

The district's response stated that it "took all necessary and appropriate steps to assure continued water service to its customers."

These steps included conservation incentives, water use restrictions, pursuing the pipeline project, upgrading the Kastania Pump Station to increase the amount of Russian River water it is able to import and creating a new agreement with Sonoma Water to buy more water during high winter flows on the Russian River.

The district said it is following many of the grand jury's recommendations, including studying a variety of new water supply options, including desalination, a pipeline, expanding reservoir storage and new water supply possibilities with Sonoma Water such as groundwater storage.

Kimery Wiltshire, president of the Sausalito-based Confluence West nonprofit organization that works on water issues in the West, said the previous 2012-2016 drought was a wake-up call to water districts throughout California.

She said that MMWD "hit the snooze button" and was the only water district in the Bay Area to require drastic water cuts that affected the economy and quality of life during the drought.

"While other districts kicked off water recycling, desalination, and reservoir projects, initiated smart-metering and adopted drought-resilient budget-based water rate structures, Marin Water leaned mostly on asking ratepayers to conserve, hoping for rain," Wiltshire said.

Larry Minikes, a Marin Conservation League board member and former member of the water district's citizens advisory committee, said the grand jury report did not acknowledge the role that residents have played in rejecting new water supply projects such as a desalination plant.

"When we have tried to increase water supply — and I was part of that community back in 2000 — we didn't want to see it by an overwhelming margin," Minikes told the board. "Everyone was concerned about Realtors and growth and changing the character of the community.

"Now we're screaming bloody murder — 'Where the hell is our water?'" he said. "You're damned if you do, you're damned if you don't."



MARIN VOICE

## Search for firm supply starts with recycled water plan

It is encouraging to read about the interest from Marin residents in examining the need for the Marin Municipal Water District to expand our water supply. The gravity of the Western states' 22-year drought has been reinforced by Gov. Gavin Newsom.

"Water conservation is no longer going to cut it," Newsom told the media recently.

We agree, because Marin needs a reliable and firm source of water that will be always available.

History has taught us that the challenges of the future cannot be solved by the solutions of the past. Also, science indicates the future will present challenges greater than we currently face.

We are well aware there is no one solution to the dilemma we are facing and realize an ensemble of actions will be necessary to respond to our existing and future challenges.

Right now, MMWD is holding public hearings on alternatives to strengthen water supply, focused upon three general areas: desalination, creating new supplies and expanded water recycling use. All of these possibilities should be considered, but we would add caution when considering the first two and offer support for the latter.

Desalination was piloted in Marin twice in the last 30 years. Although it is viable at the pilot scale, due to prohibitive costs and uncertain environmental approvals, it never progressed in Marin.

In California, numerous desal facility plans have been considered over the past 20 years. But, to date, only one large-scale plant was ever permitted, with a similar plant in Los Angeles rejected earlier this summer.

Certainly, permitting and construction of a sufficiently sized desal facility for Marin is not a near-term solution (10 years would be ambitious). To be candid, as currently designed, desal facilities create a huge negative environmental footprint. They use massive amounts of energy to purge the salt water across membranes, water inlets destroy sea life and the proper disposal of brine is a hurdle. It seems that until these environmental difficulties are resolved, it will be problematic for the Marin community to support this alternative.

New water supplies are welcome, but most are dependent upon uncertain winter rainfall to fill the rivers and reservoirs, all of which may be impacted by the changing climate. Raising dams has complications in increasing net water supplies due to requirements for water releases. Delivering water from the Russian or Yuba rivers by way of pipelines is also dependent upon uncertain winter rainfall.

As we have recently seen, portions of the water from Sonoma County are not guaranteed. So, even this year, we are being throttled back for lack of supply compared to previous years.

We need expanded “firm water,” not “as available water” for a dependable supply. Preferably, we need to secure a new supply that is not solely reliant on winter rain or contracts that provide water when it is available.

Some Marin residents opine that the only option that is actionable today which produces firm water is to expand our recycled water system. MMWD was among the recycled water pioneers in the 1970s when it partnered with the Las Gallinas Valley Sanitary District.

There are multiple opportunities to increase the supply and to expand the delivery system within Marin. MMWD's urban water plan identifies more than 30 major sites using over 1,000 acre-feet (about 4% of current demand) per year of drinking water. Why not move these sites now to permanently use recycled water?

The sites include three golf courses, San Quentin State Prison, multiple parks, cemeteries and business parks. Of course, every user switched to recycled water permanently increases our firm supply of fresh water.

As engineers, we are pleased the water district is exploring options, but in the meantime, we support MMWD being sensible in prioritizing local solutions that provide a firm and dependable water supply.

Water recycling with local supply and local control, as well as a minimal environmental impact, is our best answer for expanding our water supply.

*Chris Morrison is a water engineer who served on the MMWD Board of Directors from 1984 to 1992. Peter Hess is an environmental policy consultant, engineer and retired executive director of the Bay Area Air Board.*





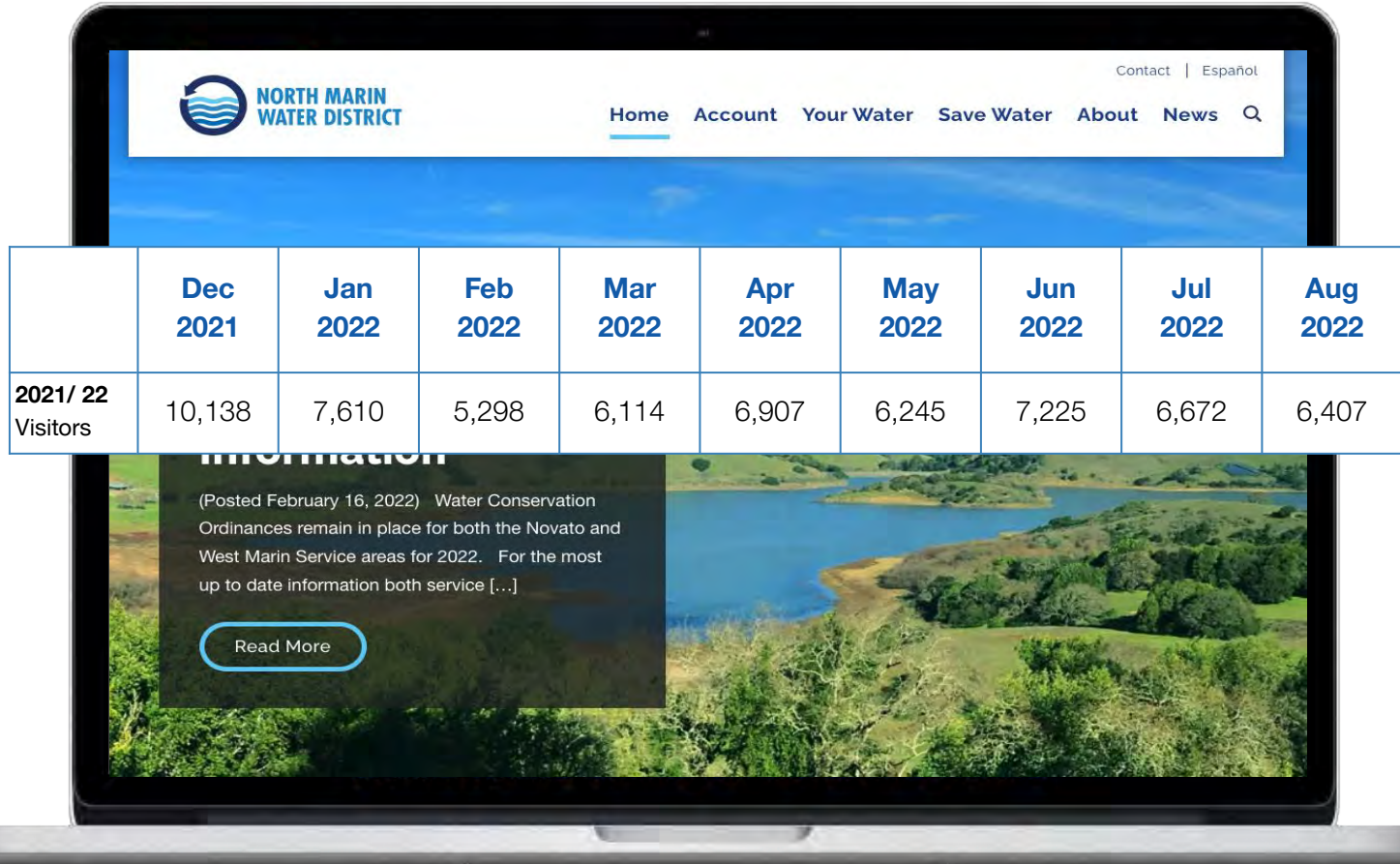
**NORTH MARIN  
WATER DISTRICT**

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# **Web & Social Media Report**

August 2022

# Website Statistics



## Social Media Followers

	Dec-2021	Jan-2022	Feb-2022	Mar-2022	Apr-2022	May-2022	Jun-2022	Jul-2022	Aug-2022
 Facebook Followers	1,376	1,454	1,510	1,571	1,627	1,695	1,760	1,838	1,904
 Twitter Followers	65	66	66	69	70	72	76	77	77
 Instagram Followers	611	618	630	638	645	656	670	679	689



## NMWD Most Visited Pages

Pages	Unique Pageviews	% of Total
<a href="#">Home</a>	3,593	28.90%
<a href="#">Online Billing</a>	2,193	19.18%
<a href="#">Watersmart</a>	1,651	14.11%
<a href="#">Save Water Outdoors</a>	265	2.05%
<a href="#">Contact</a>	234	1.85%
<a href="#">Novato Water</a>	176	1.44%
<a href="#">Drought is Here, Save Water.</a>	174	1.52%
<a href="#">Start Service</a>	157	1.32%
<a href="#">Office Temporarily Relocated</a>	138	1.06%







## August Social Media Highlights | Facebook



516 people reached | 53 engagements



202 people reached | 155 engagements

*Engagements include likes, reactions, clicks and comments*





## August Social Media Highlights | Facebook



216 people reached | 38 engagements

*Engagements include likes, reactions, clicks and comments*



182 people reached | 7 engagements

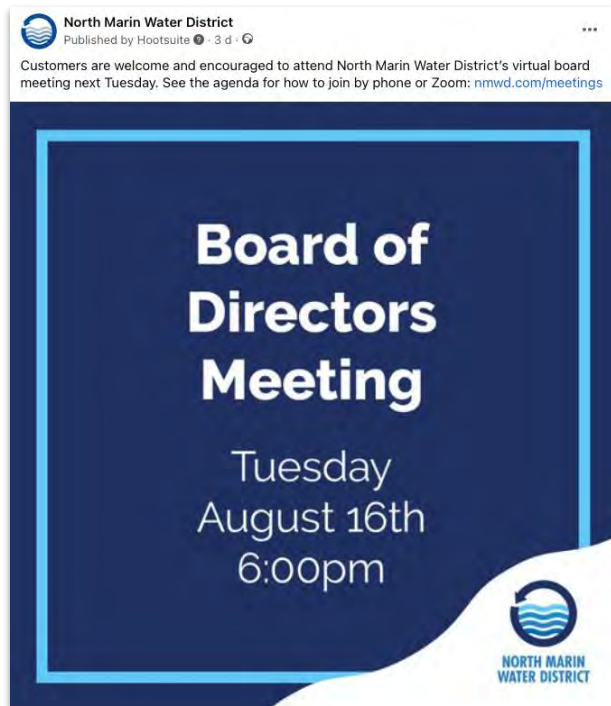




## August Social Media Highlights | Facebook



75 people reached | 13 engagements



135 people reached | 2 engagements

*Engagements include likes, reactions, clicks and comments*





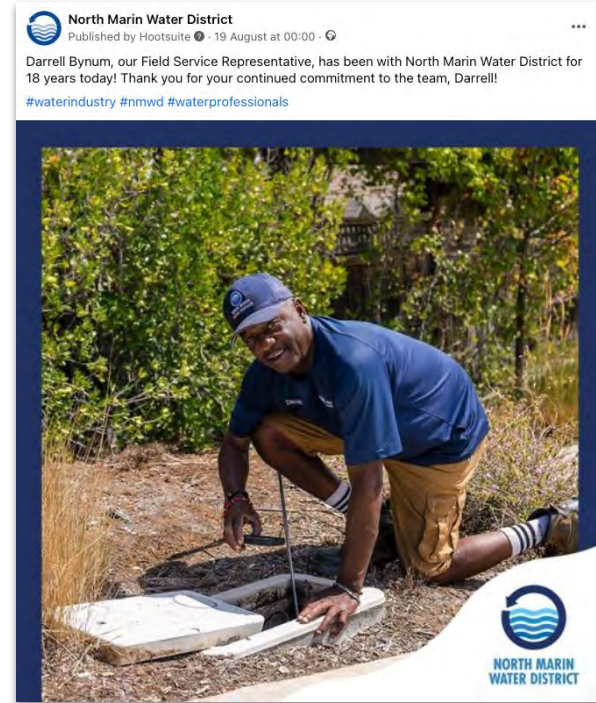


## August Social Media Highlights | Facebook



140 people reached | 1 engagement

*Engagements include likes, reactions, clicks and comments*



555 people reached | 141 engagements







## August Social Media Highlights | Facebook



76 people reached | 13 engagements

*Engagements include likes, reactions, clicks and comments*

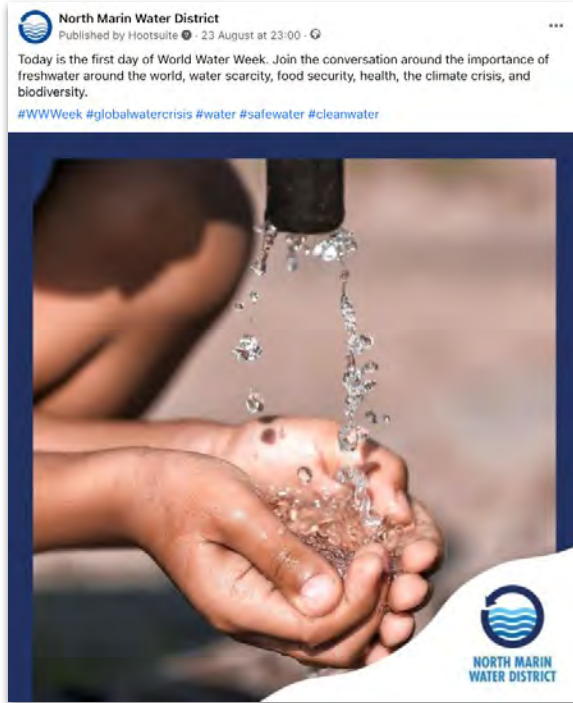


147 people reached | 4 engagements

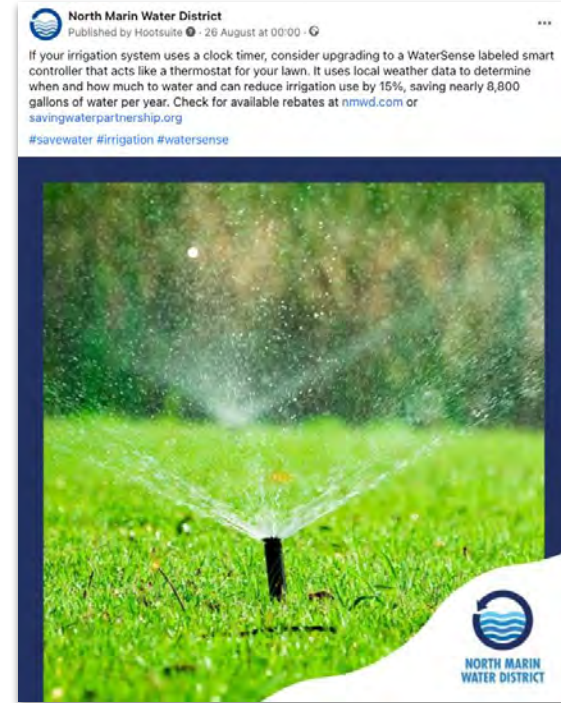




## August Social Media Highlights | Facebook



2 people reached | 1 engagement



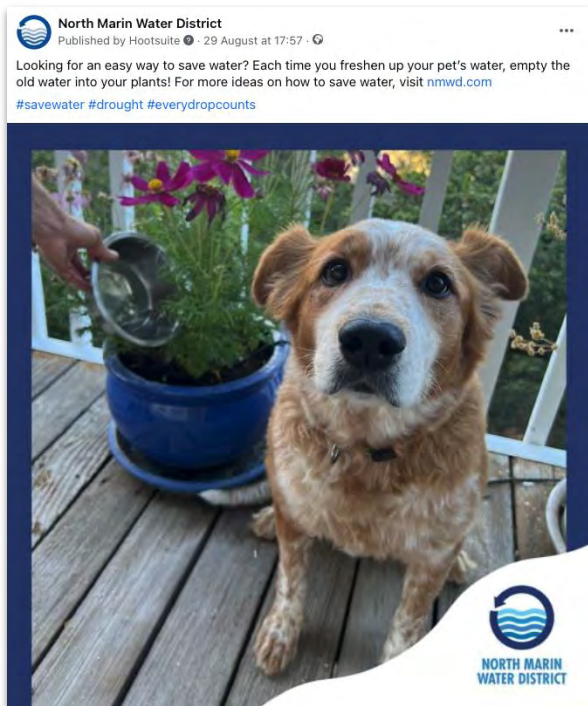
217 people reached | 12 engagements

*Engagements include likes, reactions, clicks and comments*





## August Social Media Highlights | Facebook



309 people reached | 16 engagements

*Engagements include likes, reactions, clicks and comments*



258 people reached | 14 engagements





## August Social Media Highlights | Twitter



**North Marin Water District** @NorthMarinWater · Aug 1

...

We're all happy to see the rain! Please remember to turn off your automatic irrigation system for a day or two to save water, or set a rain delay if your irrigation controller has that function. For more water saving tips, visit [nmwd.com](http://nmwd.com) or [savingwaterpartnership.org](http://savingwaterpartnership.org)



**North Marin Water District** @NorthMarinWater · Aug 2

...

We're celebrating Corey Reed, Engineering Technician, who's been working at North Marin Water District for 17 years today! Corey, we appreciate your loyalty and strong work ethic. [#waterindustry](#) [#waterprofessionals](#) [#17years](#)







## August Social Media Highlights | Twitter



**North Marin Water District** @NorthMarinWater · Aug 5

Our 2021 Water Quality Report is hot off the press. We're proud that North Marin Water District water surpasses every federal and state drinking water requirement for safety and aesthetics. Check out our 2021 water quality report online at [nmwd.com/wq](https://nmwd.com/wq) #waterquality



**North Marin Water District** @NorthMarinWater · Aug 11

August is [#NationalWaterQualityMonth](#)

North Marin Water District is continuously at work to make sure that your drinking water surpasses all national and state standards. Learn more at [nmwd.com/wq](https://nmwd.com/wq) #waterqualitymonth #waterquality #water #drinkingwater





## August Social Media Highlights | Twitter



**North Marin Water District** @NorthMarinWater · Aug 12

North Marin Water District is holding a Drought Drop-by event on Saturday, August 20 at Pini Ace Hardware, Novato. 💧 Make sure to stop by to get your free Drought Tool Kit and get tips on how to [#savewater](#). Visit [NMWD.com](#) for more details. [#event](#) [#pinihardware](#)



**North Marin Water District** @NorthMarinWater · Aug 13

Customers are welcome and encouraged to attend North Marin Water District's virtual board meeting next Tuesday. See the agenda for how to join by phone or Zoom: [nmwd.com/meetings](#)





## August Social Media Highlights | Twitter



**North Marin Water District** @NorthMarinWater · Aug 17

Got leftover water from your morning brew? Don't throw it down the sink! Use it to water plants to keep your garden green. [#savewater](#) [#drought](#) [#everydropcounts](#) [#gardentips](#)



**North Marin Water District** @NorthMarinWater · Aug 19

Darrell Bynum, our Field Service Representative, has been with North Marin Water District for 18 years today! Thank you for your continued commitment to the team, Darrell! [#waterindustry](#) [#nmwd](#) [#waterprofessionals](#)





## August Social Media Highlights | Twitter



**North Marin Water District** @NorthMarinWater · Aug 19

Reminder! North Marin Water District is holding a Drought Drop-by event tomorrow, Saturday, August 20, at Pini Ace Hardware, Novato. 💧 Make sure to stop by to get your free Drought Tool Kit and get tips on how to save water. Visit [NMWD.com](https://nmwd.com) for more details. #event



**North Marin Water District** @NorthMarinWater · Aug 23

Remember that drought prohibitions remain in effect and Novato customers are only allowed to use overhead or above ground irrigation up to three days per week. Visit [NMWD.com/drought](https://nmwd.com/drought) for more information. #drought #droughtishere #savewater







## August Social Media Highlights | Twitter



**North Marin Water District** @NorthMarinWater · Aug 23

...

Today is the first day of World Water Week. Join the conversation around the importance of freshwater around the world, water scarcity, food security, health, the climate crisis, and biodiversity. [#WWWeek](#) [#globalwatercrisis](#) [#water](#) [#safewater](#) [#cleanwater](#)



**North Marin Water District** @NorthMarinWater · Aug 26

...

Consider upgrading to a WaterSense labeled smart controller for your lawn. It uses local weather data to see when and how much to water, saving nearly 8,800 gallons of water per year. Check for available rebates at [nmwd.com](http://nmwd.com) or [savingwaterpartnership.org](http://savingwaterpartnership.org) [#savewater](#)





## August Social Media Highlights | Twitter



**North Marin Water District** @NorthMarinWater · Aug 29

Looking for an easy way to save water? Each time you freshen up your pet's water, empty the old water into your plants! For more ideas on how to save water, visit [nmwd.com](http://nmwd.com)

#savewater #drought #everydropcounts



**North Marin Water District** @NorthMarinWater · Aug 31

A smart, WaterSense labeled, irrigation controller will do your watering for you! It acts like a thermostat for your lawn by using local weather data to determine when and how much water is needed. Check for rebates at [nmwd.com](http://nmwd.com) or [savingwaterpartnership.org](http://savingwaterpartnership.org)

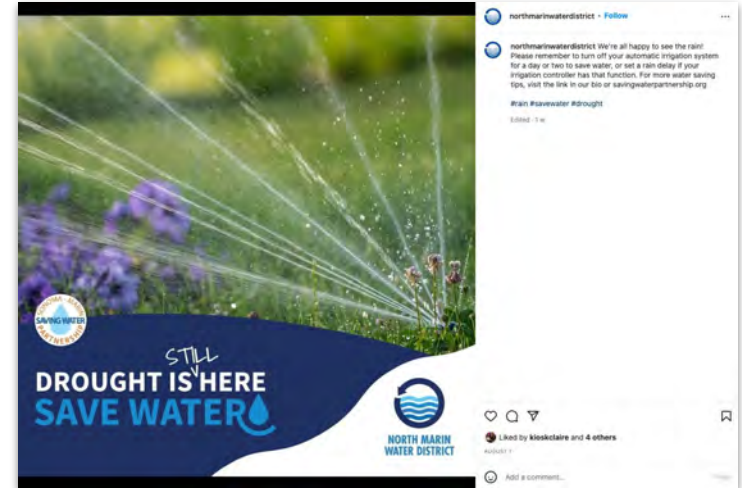




## August Social Media Highlights | Instagram



2 likes



5 likes





## August Social Media Highlights | Instagram



19 likes



10 likes







## August Social Media Highlights | Instagram



5 likes



3 likes





## August Social Media Highlights | Instagram



1 like

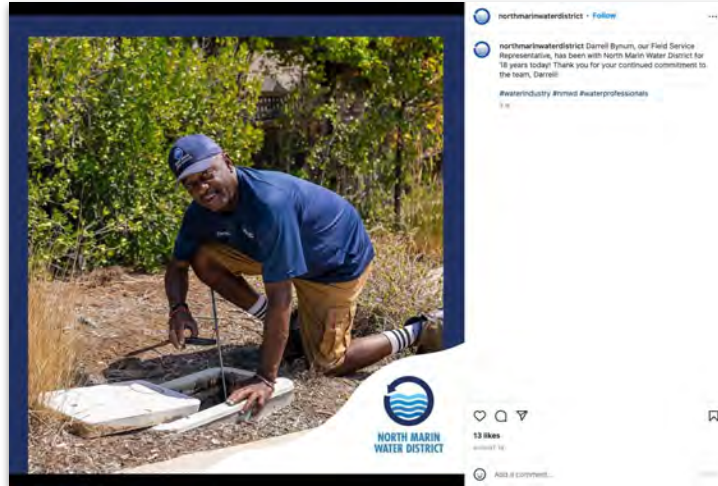


7 likes





## August Social Media Highlights | Instagram



13 likes

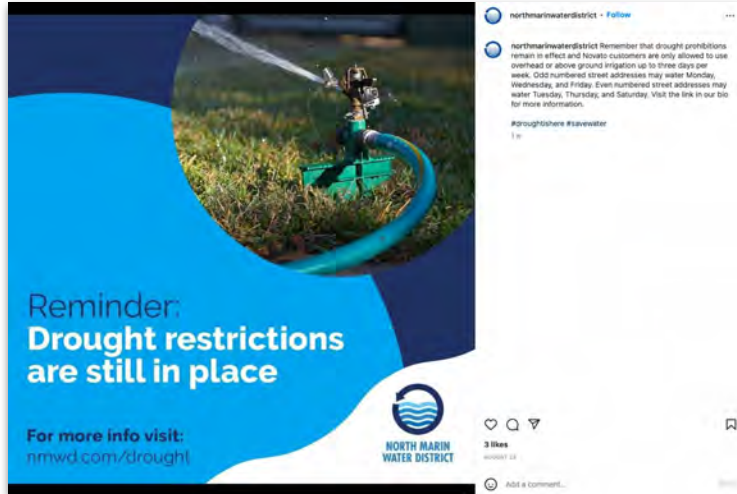


8 likes

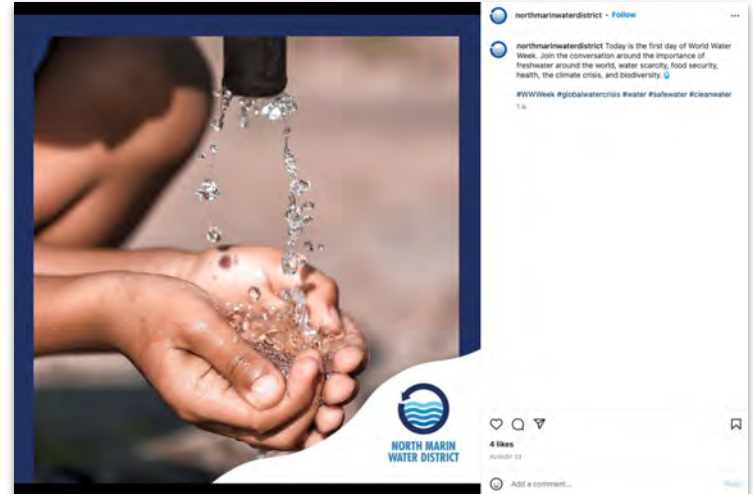




## August Social Media Highlights | Instagram



3 likes



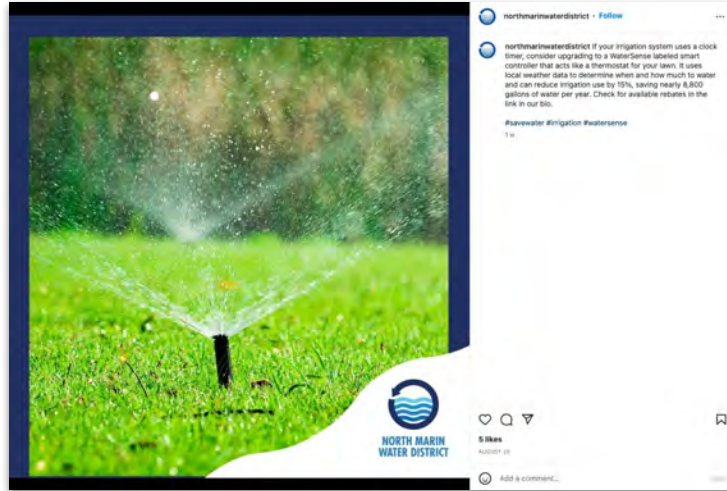
4 likes



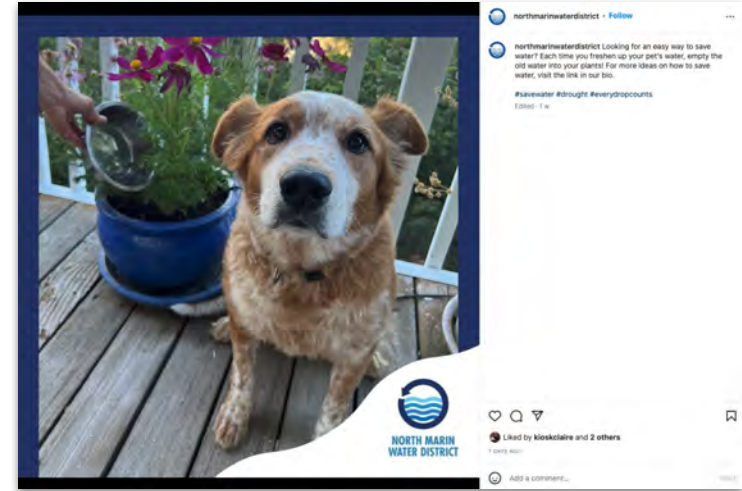




## August Social Media Highlights | Instagram



5 likes



4 likes





## August Social Media Highlights | Instagram



1 like



# News Stories - August

## Drought Pop-Up Event August 20, 2022

(Posted August 11, 2022) We having a Drought Tool Kit Pop-Up event on August 20, 2022 at Pini Ace Hardware from 10am to 2pm (out in front). Here are the details:

### Saturday, August 20, 2022

From 10am-2pm

Pini Ace Hardware 1535 S Novato Blvd., Suite A

Make sure to pop by and get your **FREE Drought Tool Kit** which may include:

- Bucket
- Showerhead
- Sink aerator
- Shower timer
- Hose nozzle
- Toilet leak detection tablets

For more information, please contact the District's Water Conservation Hotline at (415) 761-8944 or email at [waterconserve@nmwd.com](mailto:waterconserve@nmwd.com).

### Latest News

Drought Pop-Up Event August 20, 2022

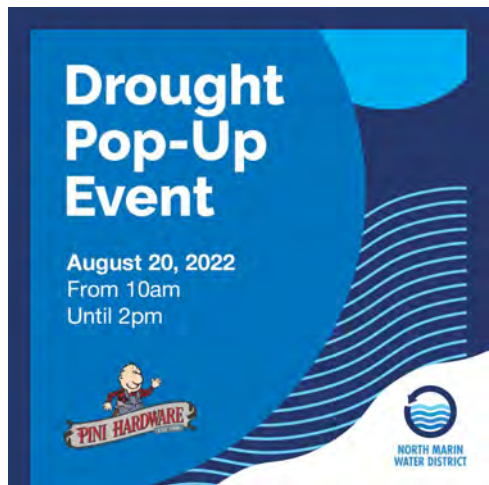
Office Temporarily Relocated

New Gallagher Well Project

[Read all News](#)

[Drought Pop-Up Event August 20, 2022](#)

## Drought Drop-by Event | Boosted Post Report



We boosted a post for the Drought Drop-by Event on August 12th.

The post was boosted on Facebook from August 12th through August 20th.

A summary of reach is detailed below.

Boosted Post Cost	Post Engagement	Reach (Number of people who saw the ad)	Impressions
\$100.00	129	5,278	11,688

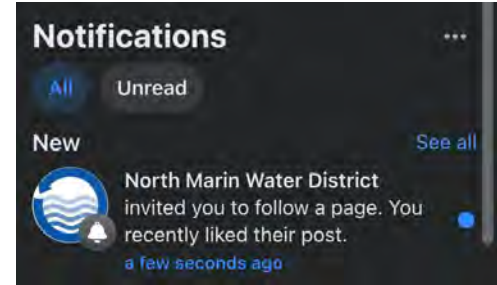




# Facebook Likes Campaign - August Report



We are running an evergreen ad which encourages customers in the NMWD service areas to 'like' (follow) the NMWD Facebook page.



Spend in August 2022	Reach (Number of people who saw the ad)	Impressions	Results (New Page Likes)	Cost Per New Page Like
\$42.56	3,614	6,559	66	\$0.64

*This month, we were able to reach over **3,614** people with the Likes Campaign*



## What's Next?

- Novato Fall Waterline
- Continuation of social posts to highlight employees on their work anniversaries
- News story on Water Supply Study
- Social media tips for continued water conservation
- Apply new creative to the Facebook likes campaign



**Thank You**