MMWD
CORTE MADERA, CA.

Aug 22, 2022

Dear DIRECTOR,

I went to San Rafael HIGH WITH MR. RON JOHNSON, Retired DIRECTOR OF MMWD. I'm 79 years old. When I was a young boy I used to hike up San Rafael Hill. Going UP THE HILL on the left side was an abondoned Mine from the 1849 GOLD RUSH OF CALIFORNIA. The mine was sealed off the entrance with a no trespass sign on the door. I wonder how deep is the mine, The mine was a chromium mine. Is there water in the old mine??

There is an aquatier that flows beneath San Rafael Hill.

Recently the Contractor that built the HOTEL at corner of 5th & B Sts had to divert the underground flow of water!

On Shaver Street is clear water flowing in front of the phone company A sump pump sends water down the street to the San Rafael Creek. The creek flows down past ALBERT PARK TO the San Rafael YACHT HARBOR. There is a well behind DONAHUE'S House at FIRST AND Shaver STREET. there are several old wells in San Rafael, one at FIRST AND HAYES ST.

We need to conserve water! Kentfield creek flows into the BAY at Lucky Drive, Corte Madera. Some of that water should be saved. Our lakes need that water.

Thank you!

Sincerly,

DWIGHT JOHNSON

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AUG 25 2022
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San Rafael's tradition of bottling sparkling elixirs is nearly as long as its township. The waters of San Rafael Creek, which flow beneath the city's downtown and residential neighborhoods, inspired one of San Rafael's first successful bottling enterprises, Marin Soda Works. Proprietor Martin Petersen, a German immigrant, started the company in 1886 on the southwest corner of First and D Streets, where he produced 17 different syrup-infused "temperance drinks;" including the minty "Hoarhound, Honey and Lime-juice." Petersen sold his company to two other German immigrants, Eugene Klammer and Emil Malz, in 1900, forming Klammer & Malz's Marin Soda and Bottling Works.

Buffalo Soda Works, later purchased by the Borello Bros. Company, and San Anselmo Bottling Works, also operated within the borders of San Rafael during the late 1800s and early 1900s. After immigrating from Italy to bring soda water to the San Joaquin Valley, brother Andrew Borello settled in San Rafael, drilled a 25-foot well in the basement of their building at First and Hayes Streets and advertised carbonated beverages made from the "famous Tamalpais Natural Mineral Springs." San Anselmo Bottling Works, located in 1907 on D Street between Fourth and Fifth Streets, advertised its products as "the best for the money."

Emil Malz, who operated Marin Bottling Works solo after the 1906 quake, eventually sold the business to Edmund Meyer of the Meyer Bottling Company. Meyer, who sold drinks such as "Meyer's Vitamin B Sparkling Water," established San Rafael's Coca-Cola bottling and distribution plant about 1950 on Second and Irwin Streets. Coca-Cola's iconic, patented and later trademarked bottle shape, designed in 1915, grew from the company's desire to unite the bottling community behind a single, distinctive package. Once the design was chosen, the names of the cities placing glass orders would be embossed on the bottom of each bottle, entertaining consumers for decades.

MHM currently houses seven San Rafael Coca-Cola bottles. We are planning an exhibit showcasing our bottle collection for 2023. Do you have an antique or vintage Marin County bottle you'd like to donate/loan to the collection? If so, please contact Heather Powell, Curator of Collections at heather@marinhistory.org.

Coca-Cola bottling plant located at Second and Irwin Streets, c. 1950s. Marin History Museum Collection.

Sources: San Rafael Patch: *"Early Soda Works Tapped Mt. Tamalpais Spring Water"* by Marilyn Geary, www.coca-colacompany.com, Marin History Museum.

Dwight Johnson

SAN FRANCISCO CA 941..

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USPS

TITLE IX

forever usa

2022

MARIN MUNICIPAL WATER DISTRICT

ATTENTION DIRECTOR

220 NELLEN [redacted] AVE.

CORTE MADERA, CALIF.

From Phil Sotter
08-26-2022

Desalination Options – Refined Draft Cost Estimate Summary

Alternative	Option 1A: Marin Regional Desal Facility-5 mgd	Option 1B: Marin Regional Desal Facility-10 mgd	Option 1C: Marin Regional Desal Facility-15 mgd	Option 2: Containerized Desal Facility-5.4 mgd	Option 3: Bay Area Desal Facility-5 mgd	Option 4: Petaluma Brackish Desal
Capital Cost	$302,133,000	$375,161,000	$436,903,000	$ 113,444,000	$262,297,000	In Progress
Annual O&M Cost	$12,963,000	$21,568,000	$29,869,000	$ 9,369,000	$ 5,887,000	
Total Annualized Cost	$ 28,378,000	$ 40,708,000	$ 52,159,000	$ 34,140,000	$ 19,269,000	
Yield, AFY	5,600	11,200	16,800	6,000	5,600	
Cost per AFY	**$ 5,100**	**$ 3,600**	**$ 3,100**	**$ 5,700**	**$ 3,900**	

Total annualized cost based on 30 years for Options 1 and 3, and 5-years for Option 2

Water Purchases through Bay Intertie Options Cost Estimate Summary

Alternative	EBMUD Intertie	CCWD Intertie	North Bay Aqueduct Intertie Option 1*	North Bay Aqueduct Intertie Option 2*	SFPUC Intertie (In progress)
Capital Cost	$111,350,000	$280,434,266	$225,443,094	$289,416,219	
Annual O&M Cost	$14,202,000	$11,457,000	$6,365,000	$6,365,000	
Total Annualized Cost	$19,883,000	$25,765,000	$17,867,000	$21,131,000	
Yield, AFY	9000	9000	5000	5000	
Cost per AFY	**$2,200**	**$2,900**	**$3,600**	**$4,200**	

*Treatment needed

Local Storage Options Cost Estimate Summary

Alternative	Option 1: Raising Soulajule	Option 2: Dredging Nicasio	Option 3: Movable Spillway Gates
Capital Cost	$128,824,000	$166,062,000	$5,000,000
Annual O&M Cost	$4,177,000	$-	$20,000
Total Annualized Cost	$10,750,000	$19,468,000	$71,000
Yield, AFY	4000	1000	350
Cost per AFY	**$2,700**	**$19,500**	**$800**

Demand Management/Conservation Cost Estimate Summary

Alternative	Option 1A: Reduce Leaks by 25%	Option 1B: Reduce Leaks by 50%	Option 2A: Replace 25% of Lawns	Option 2B: Replace 50% of Lawns
Capital Cost	$5,500,000	$5,500,000	$5,500,000	$5,500,000
Annual O&M Cost	$2,000,000	$4,000,000	$1,350,000	$2,700,000
Total Annualized Cost	$2,550,000	$4,550,000	$1,900,000	$3,250,000
Yield, AFY	500	1000	1000	2000
Cost per AFY	**$5,100**	**$4,550**	**$1,900**	**$1,625**

Note 1: Numbers are placeholders; actual numbers have yet to be provided
Note 2: All options include installation of 55,000 Flume devices @ $100 as part of capital cost