



NORTH MARIN WATER DISTRICT
AGENDA - REGULAR MEETING
 November 17, 2015 – 7:00 p.m.
 District Headquarters
 999 Rush Creek Place
 Novato, California

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Est. Time	Item	Subject
7:00 p.m.	CALL TO ORDER	
	1. APPROVE MINUTES FROM REGULAR MEETING , November 3, 2015	
	2. GENERAL MANAGER'S REPORT	
	3. OPEN TIME: (Please observe a three-minute time limit)	
	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. STAFF/DIRECTORS REPORTS	
	5. MONTHLY PROGRESS REPORT	
	ACTION CALENDAR	
	Water Service Agreement	<u>Type</u> <u>DU</u> <u>EU</u>
	6. Consent – Approve: Novato Dermatology	Comm. 0 0
	7. Approve: Engineering Consulting Services Contract (Recycled Water Central Service Area) – Bennett Trenchless Engineers	
	8. Approve: Withdrawal Request of Proposed Rezoning at NMWD Vacant Tank Sites	
	INFORMATION ITEMS	
	9. Operations/Maintenance – First Quarter 2015/16 Update	
	10. First Quarter FY 15/16 – Water Quality Report	
	11. Sustainable Groundwater Management Act in Sonoma County	
	12. California Water Board Considering Extension of Emergency Drought Regulations	
	13. MISCELLANEOUS	
	Disbursements	
	Bill Payment Options	
	Summary of 2015 Stafford Lake Fish Survey	
	NBWA Conference 2016 – Save the Date	
	Marin County Flood Control and Water Conservation District – Winter is Coming...	

All times are approximate and for reference only.

The Board of Directors may consider an item at a different time than set forth herein.

(Continued)

Est. Time	Item	Subject
		Farewell Event for City Manager Michael S. Frank
		<u>News Articles:</u> Marin residents reach overall state mandated water saving goals Legal Notice – Notice of Intent to circulate petition Marin Municipal water bills set to soar 27 percent State expected to relax on pollution standards Public Notice - Notice Inviting Proposals Anti-fluoridation forces to gather signatures to get issue on Marin ballot El Nino still on track to deliver deluges, new report says
	14.	CLOSED SESSION: In accordance with California Government Code Section 54957 for Public Employee Performance Evaluation (One), Title: General Manager
8:30 p.m.	15.	ADJOURNMENT

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DRAFT
NORTH MARIN WATER DISTRICT
MINUTES OF REGULAR MEETING
OF THE BOARD OF DIRECTORS
November 3, 2015

CALL TO ORDER

President Baker called the regular meeting of the Board of Directors of North Marin Water District to order at 7:00 p.m. at the District headquarters and the agenda was accepted as amended. Present were Directors Jack Baker, Rick Fraites, Stephen Petterle, Dennis Rodoni and John Schoonover. Also present were General Manager Chris DeGabriele, District Secretary Katie Young, Auditor-Controller David Bentley and Chief Engineer Drew McIntyre.

Novato Residents Alexis Petterle, Dinah Sims and Mike Jolly, District employees Robert Clark (Operations/Maintenance Superintendent) and Tony Arendell (Construction/Maintenance Superintendent) were in the audience.

MINUTES

On motion of Director Schoonover, seconded by Director Petterle the Board approved the minutes from the previous meeting as presented by the following vote:

AYES: Directors Baker, Fraites, Petterle, Rodoni, and Schoonover

NOES: None

GENERAL MANAGER'S REPORT

Agenda Item #6

Mr. DeGabriele advised the Board that agenda item #6 was incorrectly labeled as an action item and is to be considered for information only.

Michael Frank's Farewell

Mr. DeGabriele informed the Board that he will attend Novato City Manager Michael Frank's farewell this Thursday.

City of Novato General Plan Update Workshop

Mr. DeGabriele stated that he plans to attend the Novato City Council General Plan Update workshop next Tuesday. He advised the Board that the City's Community Development Director has been in contact with him about the District's request to rezone the Rosalia properties and San Marin Tank site properties. He noted that he is pretty confident that the Rosalia properties will be rezoned as requested but not certain yet about the San Marin Tank site.

1 **OPEN TIME**

2 President Baker asked if anyone in the audience wished to bring up an item not on the
3 agenda and there was no response.

4 **STAFF / DIRECTORS' REPORTS**

5 President Baker asked if staff or Directors wished to bring up an item not on the agenda and
6 the following item was discussed:

7 Robert Clark informed the Board that with the small rainstorm that occurred the past couple
8 of days, staff was able to inspect the Aqueduct Energy Efficiency Project's storm water pollution
9 prevention implementation program. He advised the Board that staff made sure the project was
10 meeting the best management practices for storm water control and ensured that the storm did not
11 cause any erosion.

12 **ACTION CALENDAR**

13 **MILLER PACIFIC ENGINEERING GROUP – CONSULTING SERVICES AGREEMENT**

14 The Board approved entering into a renewed Consulting Services Agreement with Miller
15 Pacific Engineering Group. Miller Pacific is a Novato firm that has provided geotechnical and soil
16 testing services for the District for many years. One of the first task orders to be funded through this
17 agreement will be for the Recycled Water Central Service Area Expansion and Norman Tank
18 foundation design.

19 On motion of Director Petterle, seconded by Director Fraites, the Board authorized the
20 General Manager to execute a new General Engineering Services agreement for Consulting
21 Geotechnical Services between NMWD and Miller Pacific Engineering Group with a not-to-exceed
22 limit of \$60,000 by the following vote;

23 AYES: Directors Baker, Fraites, Petterle, Rodoni, and Schoonover

24 NOES: None

25 **INFORMATION ITEMS**

26 **UPDATE LAFCO APPLICATION TO NORMALIZE IRREGULAR WATER SERVICE TO YEE AND**
27 **FONTES**

28 Mr. McNytte provided an update on the LAFCO application to normalize the irregular water
29 service in the South Petaluma Blvd. area to Yee and Fontes. He stated that Yee and Fontes have
30 historically received water service to their properties originally from an adjacent dairy which is now
31 owned by Dutra and intended to be developed into the Haystack Landing Asphalt and Recycling
32 Facility. He noted that Yee and Fontes have both paid connection fees for regularizing the service

1 and acquired necessary private water line easements. Mr. McIntyre advised the Board that LAFCO
2 approval is required before the outside water service agreements can be executed and the new
3 meters can be set. He stated that it's expected that LAFCO will approve the outside service at their
4 upcoming meeting on November 12th.

5 **WATER CONSERVATION QUARTERLY UPDATE (JULY – SEPTEMBER 2015)**

6 Mr. McIntyre reviewed the Quarterly Water Conservation update which indicates that the
7 Cash for Grass Program continues to increase in participation at a record pace. He advised the
8 Board that Regulation 15 and Regulation 17 will be revised to incorporate the recent state
9 regulations for modified water efficient landscape.

10 **FY15-16 QUARTERLY PROGRESS REPORT – ENGINEERING DEPARTMENT**

11 Mr. McIntyre provided the Board with the Quarterly Engineering Department Progress and
12 focused on the recently completed South Novato Blvd Pipe Bursting Project from Rowland to Sunset
13 Parkway.

14 Mr. McIntyre provided the Board with a PowerPoint presentation regarding the 12" Cast Iron
15 Pipe Replacement on South Novato Blvd with slides and information on pipe bursting.

16 Novato Resident Dinah Sims stated that she found the presentation informative and
17 enjoyable and Novato Resident Mike Jolly asked how long the pipes generally lasted. Mr. McIntyre
18 stated the average pipe is 80 years.

19 **ADMINISTRATIVE CIVIL LIABILITY COMPLAINT R2-2014-1024 SUPPLEMENTAL**
20 **ENVIRONMENTAL PROJECT ON VINEYARD CREEK WITHDRAWAL**

21 Mr. Clark advised the Board that the Supplemental Environmental Project proposed along
22 Vineyard Creek resulting from the Wild Horse Tank Overflow in spring of 2014 has been withdrawn.
23 He stated that the District worked with Marin County Flood Control and Students and Teachers
24 Restoring a Watershed (STRAW) to come up with the project. Mr. Clark advised the Board that
25 Marin County Flood Control was to remove invasive blackberries in the area and STRAW was going
26 to plant replacement native landscape along the creek bank. He noted that the District's component
27 would be to pay for the work and provide irrigation to the new plantings. Mr. Clark informed the
28 Board that neighboring property owners objected to removing the blackberries without expensive
29 replanting to provide a visual barrier between their property and Vineyard Road. He stated that after
30 much discussion it was determined that there was not going to be an opportunity to establish this
31 visual barrier with the amount of money proposed for the work, therefore the District is withdrawing
32 the project and will pay the remaining \$14,000 Administrative Civil Liability fine resulting from the
33 Wild Horse Tank overflow to the Regional Water Quality Control Board.

1 **NBWRA MEETING UPDATE – OCTOBER 26, 2015**

2 Mr. DeGabriele provided the Board with a report on the North Bay Water Reuse Authority
3 (NBWRA) meeting held October 26th. He stated that of most interest is that NBWRA Phase 1
4 construction grant funds are being reallocated since Sonoma County Valley Sanitation District
5 cannot use their full amount. He noted that the District will receive an additional \$1.3M to help pay
6 for the Novato Central Service Area Recycled Water Project Expansion.

7 Mr. DeGabriele advised the Board that the NBWRA state legislative consultant spoke about
8 the efforts to place another water bond on the November 2016 ballot. He informed the Board that
9 the latest information of the specific bond measure items is included in the miscellaneous section of
10 the agenda packet.

11 Mr. DeGabriele informed the Board that there was a lot of discussion on Phase 2. He stated
12 that there are some struggles to figure out what projects to include and which ones get funded.

13 **WAC/TAC MEETING – NOVEMBER 2, 2015**

14 Mr. DeGabriele provided the Board with a summary of the Water Advisory/Technical
15 Advisory Committee Meeting. He stated that the Russian River minimum stream flows are back to
16 normal because the Temporary Urgency Change Order (TUCO) expired and that it is likely the
17 Agency will file another petition for a TUCO in December but they are waiting to evaluate rainfall and
18 inflows from Lake Pillsbury. He noted that the Potter Valley Project flows will be reduced significantly
19 this winter due to penstock repair performed by PG&E.

20 Mr. DeGabriele advised the Board that the water production is on track for all contractors
21 and cumulative water production for the Sonoma Marin Saving Water Partnership (SMSWP) is down
22 25% since June 2015 compared to the benchmark. He stated that the SMSWP won the EPA
23 WaterSense award for the 3rd year in a row.

24 Mr. DeGabriele informed the Board that it is likely the State Board will continue emergency
25 water conservation regulations beyond February 2016, and water contractors would like the State
26 Board to consider regional compliance for emergency water conservation regulations.

27 Mr. DeGabriele stated that Director Rodoni identified the slate of new leadership for WAC
28 and there was a presentation on a Russian River Safe Medicine Ordinance for Sonoma County.
29 Finally, Mr. DeGabriele informed the Board that there was good presentation on Lake Mendocino's
30 water supply reliability report and a fact sheet is included in the agenda packet.

1 **NBWA MEETING – NOVEMBER 6, 2015**

2 President Baker stated that he will attend the North Bay Water Association Meeting on
3 November 6, 2015.

4 **MISCELLANEOUS**

5 The Board received the following miscellaneous information: Disbursements, The Water
6 Supply Reliability and Drought Protection Act of 2016 - \$4.895B and North Marin WD Dedicates the
7 Aqueduct Energy Efficiency Project.

8 The Board received the following news article: Marin names interim parks chief

9 The Board also received the following miscellaneous items at the meeting: WAC/TAC
10 Meeting Summary – November 2, 2015 and SMART Construction News Advisory.

11 **ADJOURNMENT**

12 President Baker adjourned the meeting at 7:51 p.m.

13 Submitted by
14
15

16
17 Katie Young
18 District Secretary

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NORTH MARIN WATER DISTRICT
MONTHLY PROGRESS REPORT FOR October 2015
November 17, 2015

1.

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

Month	FY15/16	FY14/15	FY13/14	FY12/13	FY11/12	16 vs 15 %
July	252	319	385	389	371	-21%
August	274	301	360	396	373	-9%
September	213	276	332	346	347	-23%
October	246	221	313	283	249	12%
FYTD Total	985	1,116	1,389	1,414	1,340	-12%

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

Month	FY15/16	FY14/15	FY13/14	FY12/13	FY11/12	16 vs 15 %
July	6.6	8.6	9.3	9.8	9.2	-23%
August	7.0	8.5	9.3	9.7	9.4	-18%
September	6.4	7.8	8.5	8.3	8.7	-18%
October	6.5	5.4	8.0	7.4	6.5	21%
FYTD Total	26.5	30.3	35.1	35.3	33.9	-12%

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

Month	FY15/16	FY14/15	FY13/14	FY12/13	FY11/12	16 vs 15 %
July	108	83	98	49	115	30%
August	79	61	83	83	126	29%
September	38	26	56	72	77	46%
October	50	0	82	88	113	-
FYTD Total	275	170	319	291	431	61%

Recycled Water Production - in Million Gallons - FY to Date

Month	FY15/16	FY14/15	FY13/14	FY12/13	FY11/12	16 vs 15 %
July	21.3	21.8	27.6	11.2	11.0	-2%
August	26.2	26.0	26.2	10.5	12.2	1%
September	15.7	19.2	18.6	8.5	9.6	-18%
October	15.8	9.4	15.8	0.0	0.0	69%
FYTD Total*	79.1	76.3	88.2	30.2	32.8	4%

*Excludes potable water input into the RW system: FYTD16 = 5.1MG; FYTD15=5.8MG; FYTD14=3.9MG.

2. Stafford Lake Data

	October Average	October 2014	October 2015
Rainfall this month	1.40 Inches	0.96 Inches	0.02 Inches
Rainfall this FY to date	1.71 Inches	1.71 Inches	0.06 Inches
Lake elevation*	181.1 Feet	177.1 Feet	181.0 Feet
Lake storage**	509 MG	364 MG	507 MG

* Spillway elevation is 196.0 feet

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

Temperature (in degrees)

	Minimum	Maximum	Average
October 2014 (Novato)	53	82	67
October 2015 (Novato)	57	84	71

3. Number of Services

October 31	Novato Water			Recycled Water			West Marin Water			Oceana Marin Swr		
	FY16	FY15	Incr %	FY16	FY15	Incr %	FY16	FY15	Incr %	FY16	FY15	Incr %
Total meters	20,756	20,749	0.0%	48	48	0.0%	785	821	-4.4%	-	-	-
Total meters active	20,519	20,502	0.1%	44	44	0.0%	777	776	0.1%	-	-	-
Active dwelling units	23,981	23,950	0.1%	0	0	-	823	823	0.0%	229	229	0.0%

4. Oceana Marin Monthly Status Report (October)

Description	October 2014	October 2015
Effluent Flow Volume (MG)	0.381	0.360
Irrigation Field Discharge (MG)	0.212	0
Treatment Pond Freeboard (ft)	6.3	8.0
Storage Pond Freeboard (ft)	5.5	4.6

5. Developer Projects Status Report (October)

Job No.	Project	% Complete	% This month
1.2777.00	Walnut Meadows	96	1
1.2768.00	OMA Village Water Facilities	95	5
1.2778.00	Novato Shell Loop	96	1
1.2782.00	33 Commerical Blvd.	95	95

District Projects Status Report - Const Dept (October)

Job No.	Project	% Complete	% This month
1.7067.00	S. Novato Blvd- Rowland to Sunset 12" R/R	99	1
2.7153.00	Upsize 4" pipe from Bear Valley Tanks	95	75
2.6602.23	PR Well No. 2 Replacement	80	80
1.7123.19	Grandview PB Replacement	10	10

Employee Hours to Date, FY 15/16

As of Pay Period Ending October 31, 2015

Percent of Fiscal Year Passed = 33%

Developer Projects	Actual	Budget	% YTD Budget	District Projects	Actual	Budget	% YTD Budget
Construction	578	1,400	41	Construction	1,742	4,949	35
Engineering	356	1,480	24	Engineering	1,645	4,980	33

6. Safety/Liability

	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) (\$)
FY 16 through October	0	0	0	0	2	31,266
FY 15 through October	87	43,848	1	0	2	2,174

Days without a lost time accident through October 31, 2015= 152 days

7. Energy Cost

FYE	October			Fiscal Year-to-Date thru October		
	Kwh	¢/Kwh	Cost/Day	Kwh	¢/Kwh	Cost/Day
2016 Stafford TP	51,666	18.6¢	\$311	245,065	18.3¢	\$364
Pumping	117,059	17.5¢	\$706	493,591	17.8¢	\$734
Other*	38,793	26.0¢	\$360	165,839	25.5¢	\$358
	207,517	19.4¢	\$1,386	904,494	19.4¢	\$1,459
2015 Stafford TP	55,940	18.1¢	\$326	269,162	17.7¢	\$387
Pumping	119,110	17.2¢	\$707	591,195	16.8¢	\$823
Other*	36,130	24.3¢	\$303	172,356	23.5¢	\$335
	211,180	18.6¢	\$1,313	1,032,713	18.2¢	\$1,538
2014 Stafford TP	53,813	17.1¢	\$296	275,917	17.1¢	\$383
Pumping	152,688	15.7¢	\$829	718,516	16.0¢	\$956
Other*	43,389	22.5¢	\$336	192,983	22.0¢	\$354
	249,890	17.2¢	\$1,432	1,187,416	17.2¢	\$1,688

*Other includes West Marin Facilities

8. Water Conservation Update

	Month of October 2015	Fiscal Year to Date	Program Total to Date
High Efficiency Toilet (HET) Rebate (\$100 each)	28	100	3,371
Retrofit Certificates Filed	23	83	5,400
Cash for Grass Rebates Paid Out	17	85	779
Washing Machine Rebates	12	42	6,641
Water Smart Home Survey	17	78	2,198

9. Utility Performance Metric

<u>SERVICE DISRUPTIONS</u>	October 2015 No. of Customers Impacted	October 2014 No. of Customers Impacted
PLANNED		
Duration Between 0.5 and 4 hours	16	11
Duration Between 4 and 12 hours		
Duration Greater than 12 hours		
UNPLANNED		
Duration Between 0.5 and 4 hours	14	50
Duration Between 4 and 12 hours		
Duration Greater than 12 hours		
<u>SERVICE LINES REPLACED</u>	October 2015	October 2014
Polybutylene	16	7
Copper (Replaced or Repaired)	0	4

NORTH MARIN WATER DISTRICT

Summary of Complaints & Service Orders October 2015

11/10/2015

Type	Oct-15	Oct-14	Action Taken October 2015
<u>Consumers' System Problems</u>			
Service Line Leaks	31	12	Notified Consumer
Meter Leak Consumer's Side	0	0	~
House Plumbing	0	0	~
Noisy Plumbing	0	0	~
Seepage or Other	0	0	~
House Valve / Meter Off	7	4	Notified Consumer
Nothing Found	8	8	Notified Consumer
Low Pressure	0	0	~
High Pressure	1	0	Pressure at 98 PSI, recommended PRV
Water Waster Complaints	0	0	~
Total	47	24	
<u>Service Repair Reports</u>			
Register Replacements	0	0	~
Meter Replacement	2	1	Replaced
Meter Box Alignment	0	0	~
Meter Noise	0	0	~
Dual Service Noise	0	0	~
Box and Lids	1	2	Replaced
Water Off/On Due To Repairs	7	9	Notified Consumer
Misc. Field Investigation	1	0	Notified Consumer
Total	11	12	
<u>Leak NMWD Facilities</u>			
Main-Leak	0	0	~
Mains-Nothing Found	0	0	~
Mains-Damage	1	0	Repaired
Service- Leak	11	11	Repaired
Services-Nothing Found	4	3	Notified Consumer
Service-Damaged	0	0	~
Fire Hydrant-Leak	3	3	Repaired
Fire Hydrants-Nothing Found	0	1	~
Fire Hydrants-Damaged	1	0	Repaired
Meter Replacement	0	3	~
Meters-Leak	0	0	~
Meters-Nothing Found	0	0	~
Meters Damaged	0	0	~
Washer Leaks	6	9	Replaced
Total	26	30	
<u>High Bill Complaints</u>			
Consumer Leaks	6	6	Notified Consumer
Meter Testing	0	0	~
Meter Misread	4	13	Notified Consumer
Nothing Found	13	37	Notified Consumer
Projected Consumption	0	0	~
Excessive Irrigation	0	0	~
Total	23	56	

NORTH MARIN WATER DISTRICT

Summary of Complaints & Service Orders October 2015

11/10/2015

Type	Oct-15	Oct-14	Action Taken October 2015
<u>Low Bill Reports</u>			
Meter Misread	0	0	~
Stuck Meter	0	0	~
Nothing Found	0	0	~
Projected Consumption	0	0	~
Minimum Charge Only	0	0	~
Total	0	0	
<u>Water Quality Complaints</u>			
Taste and Odor	0	4	~
Color	0	0	~
Turbidity	0	0	~
Suspended Solids	1	0	Customer reported clogged aerators. (S Novato Blvd) Customer was concerned about metals. All results typical for Novato water. Customer was notified of results.
Other	1	0	Customer requested test for bacteria. (Ormond Ct) Results of water sample was absent for coliforms. Customer was notified of results.
Total	2	4	
TOTAL FOR MONTH:	109	126	-13%
<u>Fiscal YTD Summary</u>			
Consumer's System Problems	189	127	49%
Service Repair Report	44	46	-4%
Leak NMWD Facilities	104	143	-27%
High Bill Complaints	101	171	-41%
Low Bills	1	5	-80%
Water Quality Complaints	13	20	-35%
Total	452	512	-12%
<u>Change Primarily Due To</u>			
			Increase In Consumer Service Leaks
			Decrease In Water On/Off To Repairs
			Decrease In Service Leaks
			Decrease In Nothing Found
			Decrease In Stuck Meter
			Decrease In Taste & Odor

NORTH MARIN WATER DISTRICT

Summary of Complaints & Service Orders October 2015

11/10/2015

<u>Type</u>	<u>Oct-15</u>	<u>Oct-14</u>	<u>Action Taken October 2015</u>
<u>"In House" Generated and Completed Work Orders</u>			
<u>Check Meter:</u> possible consumer/District leak, high bill, flooded, need read, etc.	181	157	
<u>Change Meter:</u> leaks, hard to read	11	8	
<u>Possible Stuck Meter</u>	0	0	
<u>Repair Meter:</u> registers, shut offs	0	0	
<u>Replace Boxes/Lids</u>	12	2	
<u>Hydrant Leaks</u>	0	0	
<u>Trims</u>	56	27	
<u>Dig Outs</u>	107	37	
<u>Letters to Consumer:</u>			
meter obstruction, trims, bees, gate access, etc.	0	0	
get meter number, kill service, etc.	0	0	
	<u>367</u>	<u>231</u>	

Bill Adjustments Under Board Policy:

October 15 vs. October 14

Oct-15	18	\$2,928
Oct-14	25	\$15,383

Fiscal Year to Date vs. Prior FYTD

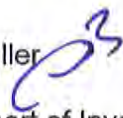
15/16 FYTD	81	\$19,219
14/15 FYTD	96	\$44,448

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MEMORANDUM

To: Board of Directors

November 13, 2015

From: David L. Bentley, Auditor-Controller 

Subj: Auditor-Controller's Monthly Report of Investments for October 2015

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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 \$12,348,253 and a market value of \$12,352,547. During October the cash balance increased by \$906,730, due in part to \$851,317 in receipts from Caltrans for the AEEP Project, and \$300,000 from Corey Reed as repayment for an Employer Assisted Housing Loan. The market value of securities held decreased by \$3,402 during the month. The ratio of total cash to budgeted annual operating expense, excluding the \$842,307 unexpended balance of the Bank of Marin loan, stood at 78%, up 7% from the prior month.

At October 31, 2015, 35% of the District's Portfolio was invested in California's Local Agency Investment Fund (LAIF), 34% in Time Certificate of Deposits, 16% in US Treasury Notes, and 8% in Federal Agency Securities. The weighted average maturity of the portfolio was 212 days, compared to 233 days at the end of September. The LAIF interest rate for the month was 0.35%, compared to 0.34% the previous month. The weighted average Portfolio rate was 0.57%, compared to 0.60% the previous month. Including interest paid by The Bay Club Company on the StoneTree Golf Club Recycled Water Facilities Loan, the District earned \$9,253 in interest revenue during October, with 46% earned by Novato Water, 45% earned by Recycled Water (by virtue of the StoneTree Golf Course Loan) and the balance distributed to the other districts.

**NORTH MARIN WATER DISTRICT
AUDITOR-CONTROLLER'S MONTHLY REPORT OF INVESTMENTS
October 31, 2015**

Type	Description	S&P Rating	Purchase Date	Maturity Date	Cost Basis ¹	10/31/2015 Market Value	Yield ²	% of Portfolio ³
LAIF	State of CA Treasury	AA-	Various	Open	\$4,370,054	\$4,370,093	0.36%	35%
Time Certificate of Deposit								
TCD	BMW Bank	n/a	12/11/13	12/11/15	\$248,000	\$248,000	0.70%	2%
TCD	Key Bank	n/a	3/19/14	3/21/16	248,000	248,000	0.45%	2%
TCD	Barclays Bank	n/a	4/15/14	4/15/16	248,000	248,000	0.55%	2%
TCD	Americanwest Bank	n/a	5/30/14	5/31/16	249,000	249,000	0.50%	2%
TCD	Enerbank	n/a	6/30/14	6/30/16	249,000	249,000	0.65%	2%
TCD	Investors Bank	n/a	7/21/14	7/21/16	249,000	249,000	0.70%	2%
TCD	Comenity Capital Bank	n/a	8/18/14	8/18/16	249,000	249,000	0.80%	2%
TCD	Ally Bank	n/a	10/2/14	10/3/16	248,000	248,000	0.95%	2%
TCD	Cardinal Bank	n/a	11/12/14	11/14/16	249,000	249,000	0.80%	2%
TCD	Goldman Sachs	n/a	12/10/14	12/12/16	248,000	248,000	1.00%	2%
TCD	First Niagara Bank	n/a	4/30/15	5/1/17	249,000	249,000	0.75%	2%
TCD	Discover Bank	n/a	5/6/15	5/8/17	248,000	248,000	0.85%	2%
TCD	Capital One Bank	n/a	6/10/15	6/12/17	248,000	248,000	0.90%	2%
TCD	Flagship Cmnty Bank	n/a	6/24/15	6/24/17	249,000	249,000	0.75%	2%
TCD	American Express Bank	n/a	7/8/15	7/10/17	248,000	248,000	1.15%	2%
TCD	Capital One National Assoc	n/a	8/5/15	8/7/17	248,000	248,000	1.20%	2%
TCD	American Express Centurion	n/a	10/7/15	10/10/17	248,000	248,000	1.20%	2%
					\$4,223,000	\$4,223,000	0.73%	34%
US Treasury Notes								
Treas	1,000 - 0.50%	n/a	3/26/14	6/15/16	\$999,683	\$1,001,029	0.55%	8%
Treas	1,000 - 1.00%	n/a	8/4/14	9/30/16	1,003,269	1,005,273	0.65%	8%
					\$2,002,952	\$2,006,302	0.60%	16%
Federal Agency Securities								
FFCB	1.70% MTN	n/a	9/15/14	10/28/16	\$505,098	\$505,966	0.68%	4%
FHLB	0.58% MTN	n/a	11/7/14	11/14/16	499,663	499,700	0.64%	4%
					\$1,004,761	\$1,005,666	0.66%	8%
Other								
Agency	Marin Co Treasury	AA+	Various	Open	\$630,140	\$630,140	0.22%	5%
Other	Various	n/a	Various	Open	117,346	117,346	0.42%	1%
TOTAL IN PORTFOLIO					\$12,348,253	\$12,352,547	0.57%	100%

Weighted Average Maturity = **212 Days**

LAIF: State of California Local Agency Investment Fund.

MTN: Medium Term Note - Maturity of 5 years or less.

TCD: Time Certificate of Deposit, Treas: US Treasury Notes with maturity of 5 years or less.

FFCB: Federal Farm Credit Bank, FHLB: Federal Home Loan Bank

Agency: STP State Revolving Fund Loan Reserve.

Other: Comprised of 4 accounts used for operating purposes. US Bank Operating Account, US Bank STP SRF Loan 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 October 31, 2015.

Interest Bearing Loans	Loan Date	Maturity Date	Original Loan Amount	Principal Outstanding	Interest Rate
StoneTree Golf Course Loan	6/30/06	2/28/24	\$3,612,640	\$1,868,026	2.40%
Employee Housing Loans (5)	Various	Various	934,200	934,200	Contingent
Employee Computer Loan (1)	1/8/2015	1/4/2016	893	187	1.52%
TOTAL INTEREST BEARING LOANS			\$4,547,733	\$2,802,413	

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

6

MEMORANDUM

To: Board of Directors

November 13, 2015

From: Drew McIntyre, Chief Engineer

Subject: Water Service Agreement – Novato Dermatology – 867 Diablo Ave.
(APN: 140-053-24, -04 and -05)r:\folders by job no\2700 jobs\2791\2791 bed memo.doc**RECOMMENDED ACTION:** The Board approve authorization of this agreement.**FINANCIAL IMPACT:** None (Developer funded)

The Novato Dermatology project – 867 Diablo Ave., consists of an existing office building remodel to create medical offices. The project is located at 867 Diablo Ave., at the intersection with Novato Blvd (see map in attachment A). The existing 5/8-inch water service will be converted to a dedicated irrigation service. Domestic water will be served by a new 1-1/2-inch meter. New reduced pressure backflow preventer assemblies (RPPs) will be installed on each service. A 4-inch fire service will also be provided.

New Zone 1 water facilities include 15 feet of 6-inch and 15 feet of 4-inch PVC main, one 1-1/2-inch domestic service, one commercial fire hydrant, and a 4-inch fire service with 5/8-inch bypass meter.

Service to this property was established in 1966 with a 5/8-inch meter. The entitlement established by the first 10 year use is 2 Equivalent Dwelling Units (EDUs). A review of the water use history has shown that water use since 2005 has been within 1 EDU. The proposed project is estimated to have a demand of two (2) EDUs. Therefore, there is no additional water demand is associated with this project.

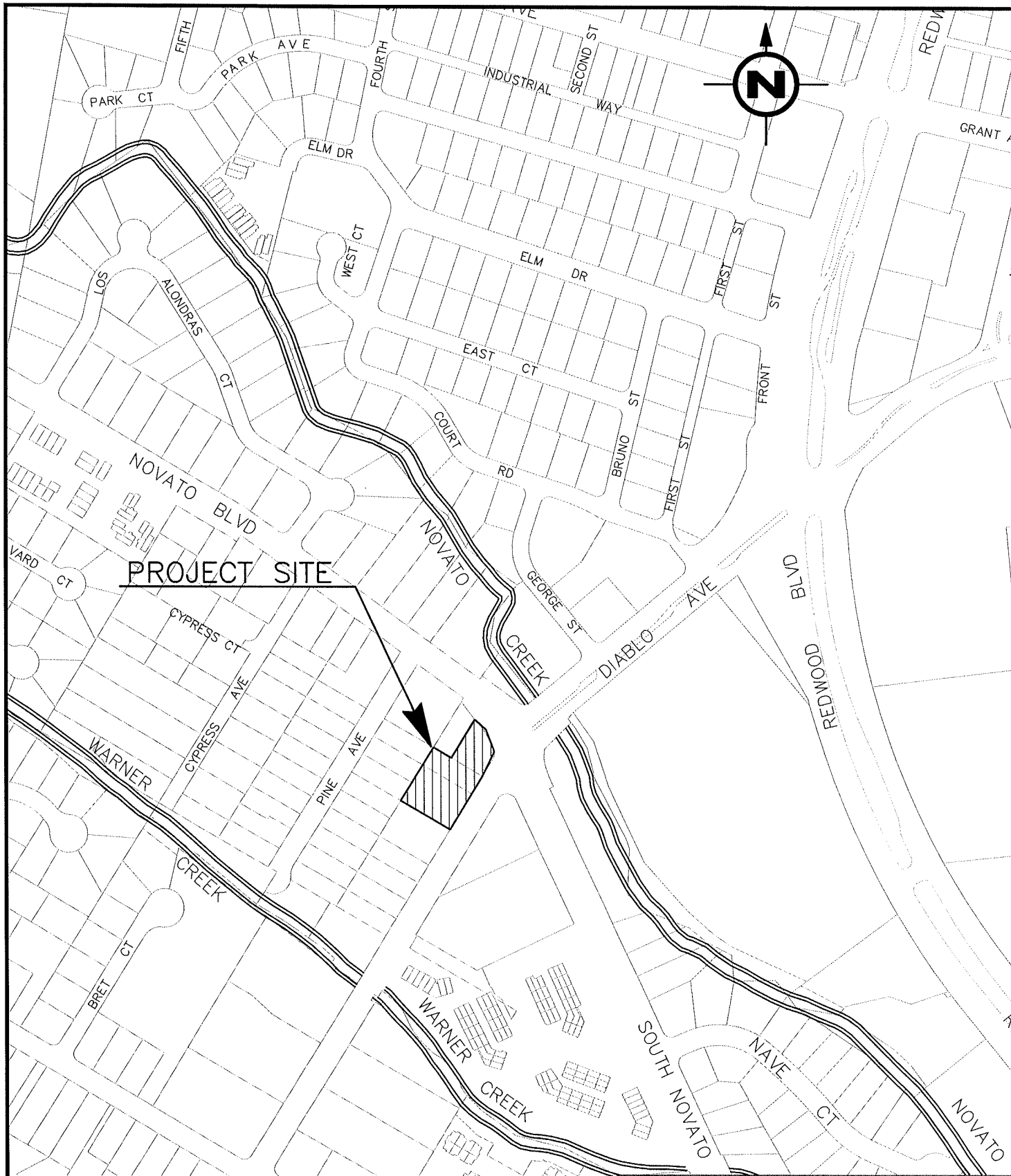
Sewer service is provided by the Novato Sanitary District.

Environmental Document Review

The Novato Dermatology – 867 Diablo Ave project was determined to be categorically exempt by the City of Novato per Section 15302 (reconstruction of structures).

RECOMMENDATION:

That the Board approve authorization of this agreement.



NOVATO DERMATOLOGY			
867 DIABLO AVE. APN:140-053-24			
DATE	SCALE	JOB.NO.	DWG.NO.
11/12/15	NTS	2791	MAP

RESOLUTION NO. 15-
AUTHORIZATION OF EXECUTION
OF
WATER SERVICE FACILITIES CONSTRUCTION AGREEMENT
WITH
KMD PROPERTIES, LLC

BE IT RESOLVED by the Board of Directors of NORTH MARIN WATER DISTRICT that the President and Secretary of this District be and they hereby are authorized and directed for and on behalf of this District to execute that certain water service facilities construction agreement between this District and KMD Properties, LLC, a Limited Liability Company, providing for the installation of water distribution facilities to provide domestic water service to that certain real property known as 867 Diablo Avenue, Marin County Assessor's Parcel Number 140-053-24, 140-053-04, AND -05, NOVATO, CALIFORNIA.

* * *

I hereby certify that the foregoing is a true and complete copy of a resolution duly and regularly adopted by the Board of Directors of NORTH MARIN WATER DISTRICT at a regular meeting of said Board held on the 17th day of November, 2015, by the following vote:

AYES:

NOES:

ABSENT:

ABSTAINED:

(SEAL)

Katie Young, Secretary
North Marin Water District

PART ONE
WATER SERVICE FACILITIES CONSTRUCTION AGREEMENT
FOR
NOVATO DERMATOLOGY

THIS AGREEMENT, which consists of this Part One and Part Two, Standard Provisions, attached hereto and a part hereof, is made and entered into as of _____, 2015, by and between NORTH MARIN WATER DISTRICT, herein called "District," and KMD PROPERTIES, LLC, A Limited Liability Company, herein called "Applicant."

WHEREAS, the Applicant, pursuant to District Regulation 1, the State of California Subdivision Map Act and all applicable ordinances of the City of Novato and/or the County of Marin, has pending before the City or County a conditionally approved Tentative Subdivision Map, Precise Development Plan, Tentative Parcel Map or other land use application for the real property in the District commonly known as Marin County Assessor's Parcel Number 140-053-24, 140-053-04 and -05 and the project known as NOVATO DERMATOLOGY, consisting of three (3) lots for commercial development; and

WHEREAS, prior to final approval by the City or County of a Subdivision Map, Precise Development Plan, Parcel Map or other land use application and recording of a final map for the project, the Applicant shall enter into an agreement with the District and complete financial arrangements for water service to each lot, unit or parcel of the project;

WHEREAS, the Applicant is the owner of real property in the District commonly known as 867 Diablo Avenue, Novato (Marin County Assessor's Parcel 140-053-24, 140-053-04 and -05): and

WHEREAS, the District established water service to 867 Diablo Ave, (Stan's for Sports, Inc.) on August 25, 1966 for one 5/8-inch meter; and

WHEREAS, the ten year average historical use establishes entitlement of two (2) EDU per Regulation 1, and;

WHEREAS, future water use is estimated to not exceed two (2) EDU, and;

NOW THEREFORE, the parties hereto agree as follows:

1. The Applicant hereby applies to the District for water service to said real property and project and shall comply with and be bound by all terms and conditions of this agreement, the District's regulations, standards and specifications and shall construct or cause to be constructed the water facilities required by the District to provide water service to the real property and project. Upon acceptance of the completed water facilities, the District shall provide water service to said real property and project in accordance with its regulations from time to time in effect.

2. Prior to the District issuing written certification to the City, County or State that financial arrangements have been made for construction of the required water facilities, the Applicant shall complete such arrangements with the District in accordance with Section 5 of this agreement.

3. Prior to release or delivery of any materials by the District or scheduling of either construction inspection or installation of the facilities by the District, the Applicant shall:

a. deliver to the District vellum or mylar prints of any revised utility plans approved by the City or County to enable the District to determine if any revisions to the final water facilities construction drawings are required. The proposed facilities to be installed are shown on Drawing No. 1 2791.001, entitled, "NOVATO DERMATOLOGY", a copy of which is attached, marked Exhibit "A", and made a part hereof. (For purposes of recording, Exhibit "A" is not attached but is on file in the office of the District.)

b. grant or cause to be granted to the District without cost and in form satisfactory to the District all easements and rights of way shown on Exhibit "A" or otherwise required by the District for the facilities.

c. deliver to the District a written construction schedule to provide for timely withdrawal of guaranteed funds for ordering of materials to be furnished by the District and scheduling of either construction inspection or construction pursuant to Section 5 hereof.

4. Except for fire service, new water service shall be limited to the number and size of services for which Initial Charges are paid pursuant to this agreement. Initial Charges for new services, estimated District costs and estimated applicant installation costs are as follows:

Initial Charges

Meter Charges (Irrigation) (Included in Estimated District Costs) .....	...One 5/8-inch @	\$ 0.00	\$ 0.00
Meter Charges (Domestic) (Included in Estimated District Costs) .....	...One 1.5-inch @	\$ 0.00	\$ 0.00
Meter Charges (Fire Service) (Included in Estimated District Costs) ..	...One 5/8-inch @	\$ 0.00	\$ 0.00
Reimbursement Fund Charges (Irrigation) .....	...One 5/8-inch @	\$ 420.00	\$ 420.00
Reimbursement Fund Charges (Domestic) .....	...One 1.5-inch @	\$ 1,540.00	\$ 1,540.00
Facilities Reserve Charges.....	.....Two @	\$ 28,600.00	\$ 57,200.00
Credit for Existing Services (\$57,200 FRC + \$420 RFC).....	.....@	\$ <57,620.00>	\$ <57,620.00>

Subtotal - Initial Charges..... \$ \$1,540.00

Estimated District Costs

Pipe, Fittings & Appurtenances.....	\$ 15,693.00
District Construction Labor.....	\$ 30,313.00
Engineering & Inspection.....	\$ 1,870.00
Bulk Materials.....	\$ 6,435.00

Subtotal -Estimated District Costs..... \$ 54,311.00

Estimated Applicant Installation Costs

Installation Labor.....	\$	0.00
Contractor Furnished – Pipe Fittings & Appurtenances.....	\$	0.00
Bulk Materials.....	\$	0.00
Subtotal- Estimated Applicant Installation Costs.....	\$	0.00
TOTAL ESTIMATED WATER FACILITIES COSTS.....	\$	55,851.00

(Bulk materials are such items as crushed rock, imported backfill, concrete, reinforcing steel, paving materials, and the like, which are to be furnished by the contractor performing the work.)

5. Financial Arrangements to be made by the Applicant shall consist of the following:

Initial Charges and Estimated District Costs

The Applicant shall either pay to the District or provide a two (2) year irrevocable letter of credit in form satisfactory to the District and payable at sight at a financial institution in the Novato area the sum of Initial Charges and Estimated District Costs as set forth in Section 4 hereof in the amount of **\$ 55,851**. If the Applicant provides the two (2) year irrevocable letter of credit, the District shall immediately draw down Initial Charges and shall draw upon the remaining funds guaranteed by the letter at any time the District deems appropriate to recover the Estimated District Costs which normally will be at least thirty (30) days prior to the anticipated start of construction for the ordering of materials to be furnished by the District.

Estimated Installation Costs

Installation By District: Due to the proprietary nature of construction required to install said facilities, the District reserves the right to install the facilities utilizing District construction forces. The Applicant shall either pay to the District the total Estimated Installation Costs set forth in Section 4 hereof in the amount of **\$54,311** or shall include such amount in the irrevocable letter of credit provided for the Initial Charges and Estimated District Costs set forth first above. The District shall draw upon installation funds guaranteed by the letter at any time the District deems appropriate which normally will be at least thirty (30) days prior to the anticipated start of construction.

Whenever an irrevocable letter of credit is required by this agreement, the Applicant may substitute a certificate of deposit at a financial institution in the Novato area provided the certificate may be cashed at sight by the District at any time.

6. All estimated costs set forth in this agreement shall be subject to periodic review and revision at the District's discretion. In the event the Applicant has not completed financial arrangements with the District in accordance with Section 5 hereof prior to expiration of six (6) months from the date of this agreement, all Initial Charges and estimated costs set forth in Section 4 hereof shall be revised to reflect then current District charges and estimates. In the event the Applicant has not secured final land use approval for the project from the City of Novato or County of Marin, recorded a final map and diligently commenced construction of improvements required by those agencies and the District prior to expiration of one (1) year from the date of this agreement, the District may, at its option, either retract financial certifications issued to City, County and State agencies and terminate this agreement or require amendment of this agreement and review of all Initial Charges and estimated costs contained herein. The Applicant shall pay any balance due upon demand or furnish a guarantee of such payment satisfactory to the District.

7. All extensions of time granted by the City of Novato or the County of Marin for the Applicant to comply with conditions of land use approval or to construct improvements pursuant to a subdivision improvement agreement shall require concurrent extensions of this agreement and shall be cause for review and revision of all Initial Charges and estimated costs set forth in Section 4 hereof. The Applicant shall apply to the District for extension of this agreement prior to approval of the Applicant's requests for such extensions by either the City of Novato or the County of Marin.

8. This agreement shall bind and benefit the successors and assigns of the parties hereto; however, this agreement shall not be assigned by the Applicant without the prior written consent of the District. Assignment shall be made only by a separate document prepared by the District at the Applicant's written request.

NORTH MARIN WATER DISTRICT

"District"

ATTEST:

Katie Young, Secretary

Jack Baker, President

KMD Properties, LLC
A Limited Liability Company
"Applicant"

(SEAL)

Kim S. Frederickson, President

Matthew R. Frederickson, Vice-President

NOTES: *If the Applicant executing this agreement is a corporation, a certified copy of the bylaws or resolutions of the Board of Directors of said corporation authorizing designated officers to execute this agreement shall be provided.*

This agreement must be executed by the Applicant and delivered to the District within thirty (30) days after it is authorized by the District's Board of Directors. If this agreement is not signed and returned within thirty days, it shall automatically be withdrawn and void. If thereafter a new agreement is requested, it shall incorporate the Initial Charges (connection fees) and cost estimates then in effect.

ALL SIGNATURES MUST BE ACKNOWLEDGED BEFORE A NOTARY PUBLIC.

7

MEMORANDUM

ITEM #7

To: Board of Directors
From: Drew McIntyre, Chief Engineer 
Subject: Approve Engineering Consulting Services Contract (Recycled Water Central Service Area) – Bennett Trenchless Engineers
R:\Folders by Job No\6000 jobs\6058\BOD Memos\6058.10 Bennett Trenchless Contract BOD Memo 11-15.doc

RECOMMENDED ACTION: The Board authorize the General Manager to execute a Consulting Engineering Services Agreement with Bennett Trenchless Engineers

FINANCIAL IMPACT: \$40,000 plus a contingency of \$5,000 (included in FY16 CIP Budget)

Background

One of the District's approved FY15-16 Capital Improvement Projects is the Recycled Water Central Service Area Expansion at \$3.5 million dollars (total estimated cost of the project over 2 years, FY15/16 and FY16/17 is \$11 million). As part of this project the District needs to install a 12-inch connection pipeline between Entrada Drive and the existing out-of-service Norman Tank to expand recycled water storage for the Central Service Area project. There is an existing abandoned 10-inch cross country pipeline that previously served Norman Tank but it is too small for recycled water service (staff is looking at repurposing the 10-inch line as a tank drain). A drawing showing the alignment of this new 500 lineal feet 12-inch pipeline extension is shown in Attachment 1. A significant length of the pipeline will travel through the existing Villa Entrada senior residential community (which fronts Entrada Drive) transitioning into a cross-country alignment heading up to the existing Norman Tank. The pipeline is proposed to be installed using trenchless technology (horizontal directional drilling technique) to minimize overall environmental impacts in this area.

Right-of-Way Analysis

As Attachment 1 illustrates, most of the initial pipeline alignment will traverse across private property owned by Villa Entrada. Staff has been in communication with the Villa Entrada Homeowners Association (HOA) and has also requested an appraisal from Semple Appraisals, Inc. to determine the value of the required easement. Once the appraisal is complete and communication with the HOA has been finalized staff will return to the Board for consideration of approval for payment of the easement.

Trenchless Design

Using trenchless technology for this alignment will significantly lessen any construction impacts resulting from this project. In using horizontal directional drilling (HDD) technology, design work is required to identify the following.

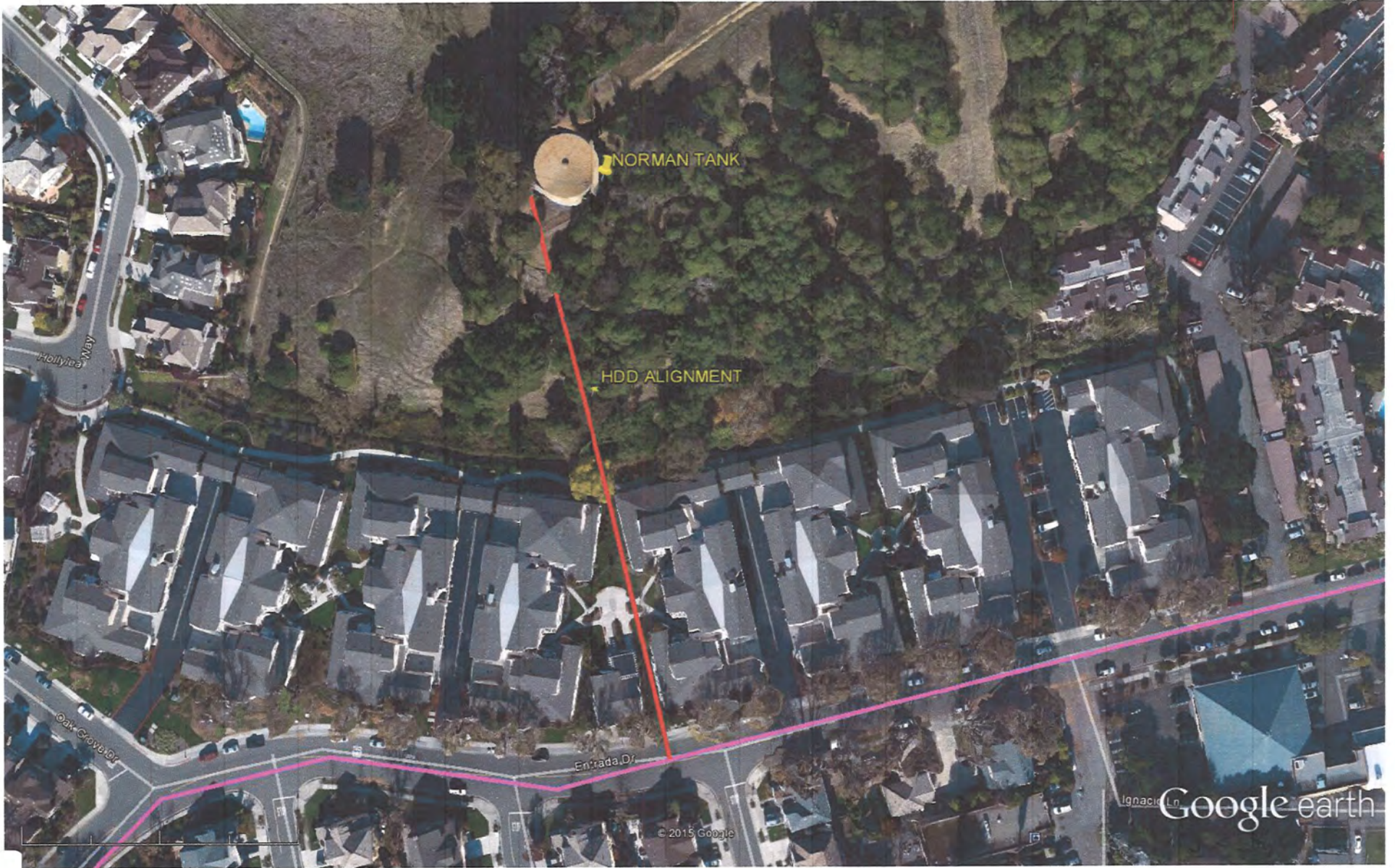
- Minimum HDD bore path depth of cover along the alignment
- Overall bore stability to prevent any hydrofracture (resulting in loss of drilling fluids) along the surface topography
- Bore path transition from alluvial soil near Entrada Dr. to sandstone rock within the cross country alignment to Norman Tank.

Determination of the above mentioned items requires use of a third party HDD engineering consultant to perform required investigations and develop an engineering report including HDD design and construction recommendations. As part of this work, geotechnical borings will be performed by Miller Pacific Engineering Group under the Board approved General Services Agreement (November 3, 2015).

To perform the aforementioned work, staff solicited an engineering proposal from Bennett Trenchless Engineers located in Folsom, CA (Attachment 2). This proposal identifies specific tasks to be performed by Bennett Trenchless Engineers on a time and expense basis with a not to exceed limit of \$40,000. Bennett Trenchless Engineers was solicited due to their extensive experience working with various trenchless technologies including micro tunneling and horizontal directional drilling. The firm is 100% focused in the area of trenchless pipeline installation and has designed over 100 horizontal directional drilling projects. Bennett Trenchless Engineers provided the approved HDD design used by the District's contractor (Cross Country HDI) for the 16-inch PVC 2nd Feed to Ammo Hill project in 2009.

RECOMMENDATION

The Board authorize the General Manager to execute a consulting engineering services agreement with Bennett Trenchless Engineers in the amount of \$40,000 plus a \$5,000 contingency.



Google earth

feet
meters



Proposed Scope and Estimated Fee for Bennett Trenchless Engineers Design Services
North Marin Water District - Entrada Dr. to Norman Tank HDD Recycled Water Pipeline

Task #	Task Description and Deliverables	Principal \$240/hr	Senior Project Engineer \$205/hr	Subtotal
1				
1.1	Review existing information, conduct site reconnaissance, recommend geotechnical investigation, and evaluate geotechnical investigation results.	12	24	\$7,800
1.2	Evaluate feasibility of HDD construction of new 12-inch RW pipeline from Entrada Dr. to Norman Tank. Evaluate alignment and profile options, evaluate hydrofracture and settlement risks. Evaluate pipe stress. Recommend alignment and profile to manage and mitigate risks. Prepare TM summarizing results and recommendations	32	48	\$17,520
1.3	Prepare Surface Spill and Hydrofracture Contingency Plan and provide permitting assistance as requested.	8	12	\$4,380
1.4	Prepare technical specifications for HDD, Pipe Materials, and Contact Grouting	12	24	\$7,800
1.5	Review drawings and provide red-line mark-ups	2	4	\$1,300
	<i>Subtotal Task 1 - Project Review</i>	66	112	\$38,800
	Subtotal, Labor All Tasks	66	112	\$38,800
	<i>ODCs (Estimated at 3% Labor)</i>			\$1,164
	TOTAL			\$39,964

BENNETT

trenchless engineers



David Bennett Ph.D., P.E.
Principal

EDUCATION Ph.D., Geotechnical Engineering, University of Illinois at Urbana-Champaign
M. S., Civil Engineering, Mississippi State University
B. S., Civil Engineering, Mississippi State University

REGISTRATION Professional Engineer (Civil) in California (60361)
Professional Engineer (Civil) in Florida (71956)-inactive
Professional Engineer (Civil) in Washington (49145)
Professional Engineer (Civil) in Nebraska (E15560)
Professional Engineer (Civil) in Arkansas (11230) – inactive
Professional Engineer (Civil) in Mississippi (7845) - inactive

BACKGROUND

Dr. Bennett's consulting engineering practice focuses on trenchless technology. He has special expertise in geotechnical evaluations, microtunneling, tunneling, horizontal directional drilling, and pipe bursting. His extensive experience includes feasibility studies, preliminary design, permit assistance, preparation of plans and specifications, design/constructability reviews, prequalification packages, planning and supervising geotechnical investigations, and instrumentation and monitoring plans for trenchless technology projects. He has provided claims evaluation and expert witness services to Owner agencies, engineering firms, contractors, and other parties on claims involving HDD, microtunneling, pipebursting, and geotechnical differing site conditions. He has provided consulting expertise to various municipalities, government agencies, engineering firms, and contractors, and actively educates owners, trains construction inspectors, and develops construction guidelines and practice standards for microtunneling, HDD, and pipe bursting. Prior to forming Bennett Trenchless Engineers, he was co-founder and principal of Bennett/Staheli Engineers, and was formerly a research engineer and Chief of the Soil and Rock Mechanics Division and Soil and Rock Testing Laboratory for the US Army Corps of Engineers Waterways Experiment Station in Vicksburg, MS.

He has authored over 60 technical papers on various aspects of trenchless technology, tunneling, geotechnical engineering, and radioactive waste disposal. He serves on the Editorial Advisory Board for Trenchless Technology Magazine and served on the CalTrans Advisory Panel for the Devil's Slide Tunnel near Pacifica, CA. He was selected by a panel of peers as "2005 Trenchless Technology Person of the Year", and was honored by induction into the Trenchless Technology Hall of Fame in 2013.

EXPERIENCE

Summary

Dr. Bennett leads a small, intensely focused team of professionals in trenchless design services for Bennett Trenchless Engineers. As of May, 2015, he has been involved in 55 HDD projects with over 200,000 feet of pipelines with diameters from 4 to 54-inches, 57 microtunneling and pipejacking projects with over 100,000 feet of pipelines from 24 to 120 inch diameter, and 16 water supply intakes and large tunnel projects with over 25,000 feet of pipelines from 60 inch to

36 foot diameter. Dr. Bennett has served as expert witness/claims consultant on 40 cases involving HDD, microtunneling and pipejacking, geotechnical issues, gas line and other utility strikes, and cases involving injuries and deaths. He has testified at trial or in depositions in 17 cases, and has provided expert reports in many of the cases. He has developed and taught trenchless technology training courses in HDD, pipebursting, microtunneling, pipejacking, pipe ramming, auger boring, and other trenchless technologies. Specific cases and projects are summarized below by major category.

Horizontal Directional Drilling

Vallejo Sanitation and Flood Control District Mare Island Sewer Force Main Crossing (2015-present)

Dr. Bennett and BTE staff served as trenchless subconsultant to GHD for the design of the highly challenging Mare Island to Vallejo HDD sewer force main crossing. The crossing was app. 3,000 feet long. The ground conditions included app. 40 feet of very soft Young Bay Mud on both ends of the crossing. The design solution used the intersect method with conductor casing on each end to reduce hydrofracture and settlement risks, while maintaining circulation. BTE prepared technical specifications, reviewed drawings, conducted design calculations to evaluate and mitigate risks associated with hydrofracture risks, settlement, and pipe stresses during pullback.

References: Rolf Ohlemutz, VFCSD chief Engineer, Wendy Ziegler, GHD Project Manager

PG&E Line 107 Gas Main Crossings (2013-14)

Dr. Bennett and BTE served as trenchless design consultant to PG&E for design and CM on a 30-inch diameter gas main crossing of I-880 at Irvington Station, as well as 2 surface street crossings, which used microtunneling. BTE provided technical specifications, design calculations for settlement and hydrofracture risks, and reviewed PG&E drawings.

PG&E Line 177 Hayfork Creek Gas Main HDD Crossing (2014)

Dr. Bennett and BTE served as trenchless consultant for design review and construction inspection to PG&E for the Hayfork Creek gas main HDD crossing. Fractured, variable strength rock, tight geometry constraints, and remote location provided significant challenges. The HDD crossing was completed without claims.

PG&E Line 407 Gas Main (2012-15)

Dr. Bennett and BTE served as trenchless consultant to PG&E to assist in evaluating risks and securing permits from levee Reclamation District 1600 for HDD pipeline crossings of Knight's Landing Creek and features within Yolo Bypass. Dr. Bennett and staff conducted hydrofracture risk evaluations, settlement risk evaluation, and met with PG&E, US Army Corps of Engineers, and RD 1600 to address issues of concern.

NASTT HDD Good Practices Guidelines and Training Course (2015-16)

Dr. Bennett and BTE staff updated and revised the HDD Good Practices Guidelines and training course to capture recent developments in HDD practices. The 4th edition captures advances in design and construction. Publication expected early 2016.

City of Lincoln, CA HDD Crossings (2104-15)

Dr. Bennett and BTE staff assisted Rados Construction and HDD subcontractor in preparing shop drawings and submittals for two short but complex HDD crossings, Doty Ravine and Secret

<Earlier projects not included for brevity>


8

MEMORANDUM

ITEM #8

To: Board of Directors

November 13, 2015

From: Chris DeGabriele, General Manager 

Subj: Withdrawal Request of Proposed Rezoning's at NMWD Vacant Tank Sites

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RECOMMENDED ACTION: Withdraw NMWD Request to the City of Novato to Rezone Properties at the Rosalia and Spinosa Tank Sites.

FINANCIAL IMPACT: None

At the October 6th meeting, the Board authorized staff to submit a request to the City of Novato for rezoning properties at the NMWD Rosalia and Spinosa tank sites (Attachment 1). The City Council considered the item as part of their discussion of potential rezonings associated with the General Plan Update at its meeting on November 10th. An excerpt from the City staff report accompanying the City Council agenda is included as Attachment 2. The issue of the NMWD requested rezoning begins on page 4 of that staff report.

It's noted that City staff recommended NMWD merge the parcels at both tank sites to reduce development potential, and perfect the access easement to the Spinosa site in advance of any proposed rezoning action. City staff advises that permit fees for the lot line adjustment or parcel map would be \$2,200 at each location and approval would be at the staff level. That cost does not include any NMWD staff or consultant time for surveying and preparing the mapping and applications.

In my comments to the City Council at their meeting on November 10th (Attachment 3), I advised NMWD's preference that merging of the parcels not be required at this time. It is understood that the sites are constrained and I requested that the decisions on development potential be made at the time a development proposal is received by the City, not now. I did propose that NMWD would only sell the parcels as combined packages, three parcels at the Rosalia site, and two parcels at the Spinosa site. I also informed the City Council that it is not likely NMWD would be able to perfect the access easement to the Spinosa site in advance of the rezoning, but proposed to only sell the two Spinosa parcels together and only when the access easement is perfected.

The City Council sided with their community development staff. I don't believe it's in NMWD's best interest to combine the parcels at this time, which would in effect limit the development potential at each location. Thus, I recommend that the Board authorize staff to inform the City of Novato that NMWD is withdrawing the request to rezone those parcels.

RECOMMENDED ACTION:

Board authorize staff to inform the City of Novato that the District is withdrawing the request for rezoning at the Rosalia and Spinosa vacant tank sites.



**NORTH MARIN
WATER DISTRICT**

October 8, 2015

999 Rush Creek Place
P.O. Box 146
Novato, CA 94948

PHONE
415.897.4133

FAX
415.892.8043

EMAIL
info@nmwd.com

WEB
www.nmwd.com

Bob Brown, Community Development Director
City of Novato
922 Machin Ave.
Novato, CA 94945

Re: City of Novato General Plan Update 2015
Requested rezoning of selected North Marin Water District properties

Dear Mr. Brown:

North Marin Water District's Board of Directors has had an opportunity to review District owned property in the City of Novato and the letter sent to you on September 21st suggesting rezoning for the Rosalia area properties (APN 153-110-10, 15 and 153-182-44). The NMWD Board has concurred with staff's recommendation and request rezoning of the Rosalia area properties and Spinosa properties as listed below, coincident with the General Plan Update.

NORTH MARIN WATER DISTRICT VACANT/UNDERUTILIZED PROPERTY ZONING

Site Name	APN #	Size	Current Zoning	Recommended Zoning	Notes
1 Rosalia Tank Site	153-110-10	4.74 Ac	PD	RVL	Vacant
	153-110-15	1.0 Ac	BPO	RVL	Vacant
	153-182-44	0.28 Ac	PD	RVL	Vacant
2 San Marin (Spinosa) Tank Site	141-110-06	0.98 Ac	CF	R1	Vacant
	141-110-07	0.52 Ac	CF	R1	Vacant

Legend:

PD Planned Development
RVL Very Low Density Residential
BPO Business and Professional Office
R1 Low Density Residential
CF Community Facilities

If you have any questions in regard to this request, please contact me.

Sincerely,

Chris DeGabriele
General Manager

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STAFF REPORT

I-3



THE CITY OF
NOVATO
CALIFORNIA

922 Machin Avenue
Novato, CA 94945
415/ 899-8900
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www.novato.org

MEETING

DATE: November 10, 2015

TO: City Council

FROM: Robert Brown, Community Development Director

PRESENTER: Robert Brown, Community Development Director

SUBJECT: **DISCUSSION OF POTENTIAL REZONINGS ASSOCIATED WITH THE
GENERAL PLAN UPDATE**

REQUESTED ACTION

Consider providing direction to staff regarding potential rezonings and General Plan Land Use Map redesignations that would occur in conjunction with adoption of a new General Plan.

RECOMMENDATION

Provide direction to staff.

SUMMARY

During its review of the Land Use Element of the existing 1996 General Plan, the City Council requested that they have an opportunity to examine the current zoning and General Plan land use designations of vacant commercial and multi-family parcels to confirm that existing zoning is appropriate.

ANALYSIS

Staff has worked on the General Plan Update for the past 2½ years taking incremental policy questions and the results of community charrettes/workshops on four specific focus areas to the Planning Commission and City Council for feedback prior to staff's drafting of the Draft General Plan. During this review process there have been a few targeted rezonings/General Plan land use redesignations that have been discussed and tentatively endorsed by the Commission and City Council, and which will be analyzed in the General Plan EIR to be prepared over the next year. It is anticipated that these rezonings/redesignations would be adopted at the same time as the new General Plan in late 2016 or early 2017 and will be further analyzed as part of the General Plan EIR.

The rezonings/redesignations discussed to date by the Council include the following:

- From the North Redwood Boulevard Focus Area Study: Rezoning and redesignation of parcels fronting the easterly side of North Redwood Boulevard from just south of Golden

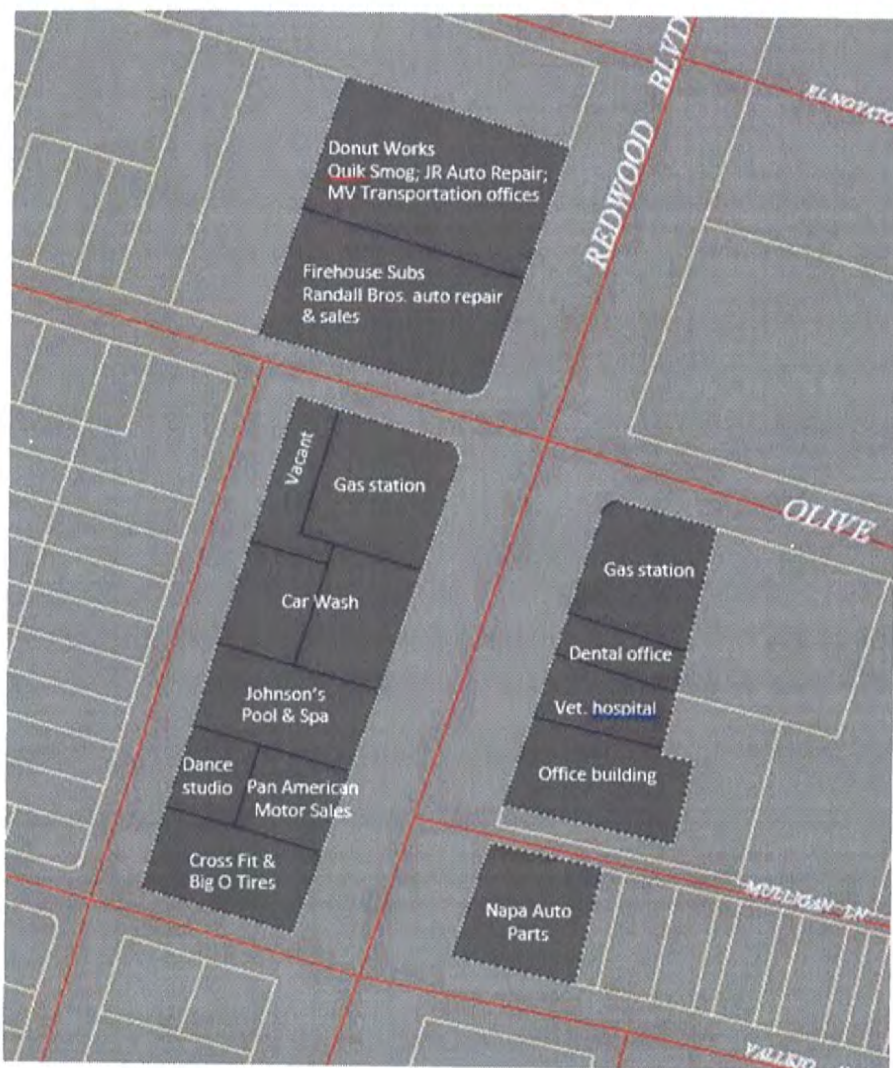
Gate Place to San Marin Drive from Commercial/Industrial to General Commercial that would allow for retail uses.

- From the North, North Redwood Boulevard Focus Area Study: Redesignation of parcels fronting the westerly side of North Redwood Boulevard from Black John Road to the City limits (including the Lands of Wright, PG&E property and the Birkenstock site) from Light Industrial/Office to Business and Professional Office.
- From the Northwest Quadrant Neighborhood Study: Creating a new form-based zoning code for the Northwest Quadrant Neighborhood to replace the existing R10-4.5 zoning that would lower the height limit from 3 to 2 stories but allow multi-family development consistent with the existing General Plan designation of Medium Density Multi-Family.
- From the Northwest Quadrant Neighborhood Study: Rezone and redesignate parcels along the westerly side of First Street between Olive and Vallejo Avenues from Mixed Use to Medium Density Multi-Family to allow future multi-family development without the requirement for commercial square footage as well.

In addition to the proposed rezonings/redesignations listed above, this report examines:

- Twenty-one vacant sites throughout the City currently designated for commercial or multi-family use for consideration of the appropriateness of the existing zoning/General Plan land use designation. This analysis was requested by the City Council as part of their evaluation of the 1996 Land Use Element in February, 2015. Individual analyses of each site including existing zoning and development potential and surrounding land uses are attached. Many of these sites were considered as part of the Hillside and Ridgeline Protection White Paper earlier this year. Staff had not recommended any of these sites be considered for rezonings, although specific sites discussed by the Planning Commission at their September 21, 2015 meeting are addressed later in this report.
- Fifteen developed sites along North Redwood Boulevard on the east side of the street between Vallejo and Olive Avenues and on the west side of the street from Vallejo to just before Pinheiro Circle for rezoning/redesignation from General Commercial to Downtown Core Business or Downtown Core Retail to create continuous downtown zoning on Grant Avenue and Redwood Boulevard to Olive Avenue. This land use change was discussed by the previous General Plan Steering Committee in 2009 and during the North Redwood Corridor Focus Area Study it was noted that this recommendation would be brought forward for consideration.
- Consideration of a request from the General Manager of the North Marin Water District to rezone five vacant parcels previously anticipated for future tank sites.

Diagrams showing the sites in question and their existing land uses are shown below:



A change in zoning from General Commercial to Downtown Core Business or Downtown Core Retail would allow the continuation of future mixed-use development on Redwood Boulevard between Vallejo and Olive Avenues, consistent with the zoning on Grant Avenue and on Redwood between Elm Drive and Vallejo. This would create a continuous pedestrian-oriented street frontage between Grant Avenue and future development of the ROIC/Dairyman's/Shamrock sites, which are forecast to become a lifestyle retail/entertainment/restaurant center, with the intent of encouraging customers to walk rather than drive between this development and the downtown proper.

The effect of a rezoning would allow the addition of housing as part of a mixed-use development (similar to the Tresch Galleria), but would make existing automotive uses legal non-conforming, meaning that these businesses could continue to operate, but would not be able to physically expand in the future, or to replace their structures if more than 75% destroyed. The intent of the City's non-conforming use regulations is to allow continued use of building by a non-conforming business, but to encourage redevelopment of the site based on new regulations by not allowing continued expansion and replacement of structures for non-conforming uses. The principal difference between the Downtown Code Business (CDB) vs. Downtown Core Retail (CDR) zoning districts is the allowance of financial institutions on the ground floor of CDB, which may be more appropriate for North Redwood Boulevard.

The following is a brief summary of major regulatory changes resulting from a rezoning from General Commercial to Downtown Core. The complete list of allowable uses and zoning regulations for all commercial districts is attached.

Land Use Regulation	CG	CDB	CDR
Residential Mixed Use	Not allowed	Allowed	Allowed
Automotive Services*	Allowed	Not Allowed**	Not Allowed**
Manufacturing	Allowed	Not Allowed	Not Allowed
Building material stores	Allowed	Not Allowed	Not Allowed
Drive-through windows	Allowed	Not Allowed	Not Allowed
Building coverage	40%	100%	100%
Floor Area Ratio***	0.4	1.2 commercial; 2.0 mixed use	1.2 commercial; 2.0 mixed use
Height Limit	35'	45' if mixed use	45' if mixed use

* Automotive Services include auto sales/rentals, repair, car wash, gas stations

** Existing automotive service uses would become legal non-conforming if rezoned, which would allow continued operation and replacement of the existing business with a similar use, but would preclude physical expansion of the business.

*** Amount of building floor area allowed divided by parcel size

Water District Proposed Rezoning

In an attached letter dated October 8, 2015, the General Manager of the North Marin Water District has requested that five vacant sites owned by the District intended for construction of future water tanks be rezoned as part of the General Plan Update. This request resulted from notification of the District of the intent to discuss one parcel at the end of DeLong which is vacant and currently

zoned for Business and Professional Office.

Site Name	Rosalia Tank Site			San Marin (Spinosa) Tank Site	
APN	153-111-10	153-111-15	153-182-44	141-110-06	141-110-07
Acres	4.74	1.0	0.28	0.98	0.52
Current Zoning	Planned Development	Business and Professional Office	Planned Development	Community Facilities	Community Facilities
Development Potential of Current Zoning	1 single family home	6,100 sf commercial	None due to parcel size*	21,000 sf commercial or mixed use with multi-family***	None, due to Hillside Ordinance*
Proposed Zoning	Very Low Density Residential	Very Low Density Residential	Very Low Density Residential	Low Density Residential	Low Density Residential
Development Potential of Proposed Zoning	1 single family home	1 single family home	None due to parcel size*	2-4 units**	None, due to Hillside Ordinance*
Current General Plan	Very Low Density Residential	Business and Professional Office	Very Low Density Residential	Single Family	Single Family
Proposed General Plan	Very Low Density Residential	Very Low Density Residential	Very Low Density Residential	Single Family	Single Family

* Potential may exist for alternate development types such as a utility facility without an occupied structure.

** Low-end of the range based on anticipated reduction in density due to the Hillside Ordinance.

*** Very rough calculations based on Hillside Ordinance and available site information.

The District asks that three parcels totaling 6 acres with access from Oleander Lane/Reservoir Drive (the Rosalia Tank Site) be considered for rezoning or General Plan Land Use redesignation. One of these sites is zoned and has a General Plan designation of Business and Professional Office, and is evaluated as Parcel 13 in the attached review of vacant commercially zoned properties, and was also reviewed by the City Council as part of the Hillside and Ridgeline Protection White Paper. The Hillside Ordinance limits development of this parcel to a commercial structures of approximately 6,100 square feet. The other two contiguous parcels owned by the Water District are zoned Planned Development and have a General Plan designation of Very Low Density Residential.

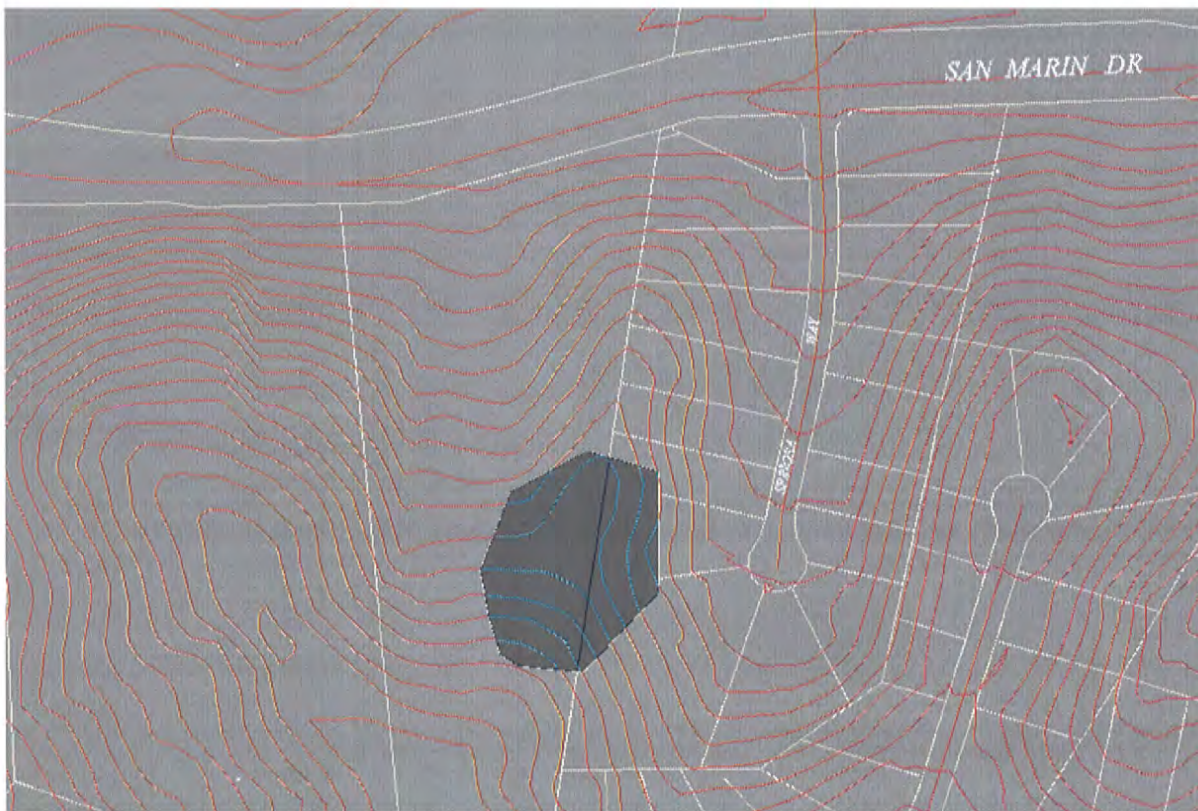
Any development of these properties will be challenging under the Hillside regulations, and would likely result in buildings on or close to the ridgeline and visible from a distance. Staff agrees that development of the site for a commercial office building of such limited size is unlikely. Redesignation of the BPO parcel to a Very Low Density Residential classification would allow one single family dwelling on the 1-acre parcel and another single family home on the 4.74-acre

parcel. The narrow quarter-acre parcel would not be developable for a residential or commercial building under the City's zoning regulations.



Staff would support a change in the General Plan Land Use Map designation for parcel 153-111-15 from BPO to Very Low Density Residential, consistent with the land use designation for the other District properties. However, given the challenging topography of the sites, staff recommends Planned Development zoning on all three parcels (two of which are already zoned PD) to provide for careful consideration of future development by the Design Review Commission, Planning Commission and City Council. Staff would also recommend that the District be directed to merge the three parcels (or at least the two larger parcels) to reduce development potential to a single home and to reduce the length of an access road to the maximum extent possible.

The District asks that two parcels totaling 1.5 acres above Spinosa Way and near the terminus of Rockrose Way (the Spinosa Tank Site) be considered for rezoning from Community Facilities to Single Family Residential. Access would come from easements over developed single family properties at 41 and 42 Spinosa Way. The easement over 42 Spinosa is for utility maintenance only, so the District would have to obtain an expanded easement from that property owner to allow access to a non-utility use.





The existing zoning of Community Facilities allows a very broad range of uses including R&D, medical offices and recreational uses, as well as multi-family residential as part of a mixed-use development. A floor area ratio (FAR) of 0.8 is allowed, although this would be significantly reduced by the Hillside Ordinance.

Staff would support a rezoning to a single family district as a means of reducing development potential, but would suggest that the District be required to both merge the two parcels and to perfect the access easement in advance of the proposed rezoning action. Parcel merger is recommended to reduce development potential of the sensitive sites and preclude development on parcel 141-110-07 which has an average slope of 31% and is above the rear yards of existing homes on Spinosa Way.

PUBLIC INPUT

The requested actions by the City Council at this time involve feedback to staff on potential rezonings/redesignations which would occur with adoption of the new General Plan, and which would include full public notification of property owners of the subject sites and properties within 600 feet as well as evaluation of potential environmental impacts as part of the General Plan EIR. Given the very preliminary nature of potential rezonings being discussed by the Planning Commission and City Council, staff notified only the owners of the 21 vacant multi-family and commercial properties and the 15 parcels along North Redwood Boulevard identified above of the Planning Commission and City Council workshops. No notification of adjacent property owners of the Water District's request has occurred. Based on direction from City Council on rezoning/redesignations to incorporate into the Draft General Plan released for public and environmental review, staff would then formally notify surrounding property owners in compliance with local regulations as part of the adoption process of the new General Plan and implementing actions.

The only input received from property owners included the following:

- In an attached letter Ron Ashley, owner of the former Mission Lodge site, discusses past attempts to develop the site and specifically requests that the requirement for multiple uses (not a single-use building) be removed. This issue had already been discussed by the City Council on September 1, 2015, with direction to staff to incorporate the site-specific policy statements regarding this property from the current Downtown Specific Plan into the new Draft with a suggestion, but not a requirement, for multiple uses on the property.
- Michael Hooper of Campus Properties revisited his proposal for redesignating the Campus Properties Black John Road site from office to residential due to a soft office market and greater flexibility in breaking up building massing to avoid wetlands and slopes. He also suggested that the adjacent Lands of Wright be redesignated from Light Industrial Office to Business and Professional Office, which was already proposed and endorsed by Council as part of the North, North Redwood Focus Area study.
- As discussed previously, Chris DeGabriele, General Manager of the North Marin Water District, requested to change the land use designation and/or zoning of five vacant parcels previously acquired as tank sites.

PLANNING COMMISSION RECOMMENDATIONS

The Commission generally concurred with staff recommendations to retain existing zoning and General Plan Land Use Map designations for vacant multi-family and commercial properties with the following exceptions:

Site 14 (North Marin Water District property): The Commission supported the proposal of the NMWD General Manager to consider redesignating the site on the General Plan Land Use Map and Zoning Map from Business and Professional Office to Very Low Density Residential and the rezoning of the two adjacent NMWD properties already with a General Plan designation of Very Low Density Residential from Planned Development to Very Low Density Residential. All three sites would be subject to the Hillside Ordinance requirements, which may limit development of the two larger parcels to one single-family home on each site.

Site 15 (Donna Street/Rowland Blvd.): The Commission discussed alternative development of the site with a small commercial office building versus a residential use and recommended retention of the existing commercial zoning. The Commission asked staff to research whether any easements might impede future development of the site. An existing 10' wide utility easement bisects the property, but would not likely significantly constrain development of the site.

Site 16 (Leafwood Drive): The Commission agreed that the property has very little development potential due to its minimal width. They asked if the property had been originally offered for dedication upon its original subdivision, but no such offer for dedication was found. The Commission did not recommend a rezoning.

Site 19 (Corner of Palm Drive and Hamilton Parkway): The Commission recommended consideration of redesignating the Mixed Use corner to Open Space to preclude development near the intersection. About one-third to half of the lot would be undevelopable due to the presence of

a heritage oak tree. The Director of Hamilton Base Reuse and the City Manager do not recommend changing the property's zoning until there is greater certainty regarding redevelopment potential in the nearby Town Center area, including the former Hamilton Theater. If the area surrounding the Theater was redeveloped it is likely that additional land area will be needed for parking, particularly for the Unity Church which relies extensively on parking on City properties.

Site 20 (Christmas Tree Hill): The Commission recommended consideration of changing the zoning from Planned Development and the General Plan Land Use Map designation from General Commercial to Open Space to preclude development of the steep, rocky site. Due to the Hillside Ordinance the property has very little development potential (maximum 4,500 square feet of building area), although this building area could be transferred to the adjacent former Commissary parcel if the lots were merged. The Director of Hamilton Base Reuse and the City Manager do not recommend changing the property's zoning until there is greater certainty regarding redevelopment potential of the adjacent former Commissary property.

ENVIRONMENTAL ASSESSMENT

No environmental assessment is being prepared on the General Plan White Papers, which are intended to provide preliminary policy direction to City staff. However, CEQA analysis will be performed on the Draft General Plan, which will incorporate the preliminary policy direction on desired rezonings and General Plan land use redesignations prior to formal adoption of the new General Plan and implementing actions.

RECOMMENDATIONS

The following is a summary of staff and Planning Commission recommendations regarding properties which could be identified in the Draft General Plan for changes in zoning and/or General Plan Land Use Map designations, and analysis in the upcoming General Plan Update EIR:

Redwood Boulevard: Fifteen sites (all but one are currently developed) along North Redwood Boulevard on the east side of the street between Vallejo and Olive Avenues and on the west side of the street from Vallejo to just before Pinheiro Circle for rezoning/redesignation from General Commercial to Downtown Core Business to create continuous downtown zoning on Grant Avenue and Redwood Boulevard to Olive Avenue.

Site 19 (Corner of Palm Drive and Hamilton Parkway): Planning Commission recommended redesignating the Mixed Use corner to Open Space. Staff recommends retaining the current zoning and land use designation until there is greater certainty regarding redevelopment potential in the nearby Town Center area.

Site 20 (Christmas Tree Hill): Planning Commission recommended changing the zoning from Planned Development and the General Plan Land Use Map designation from General Commercial to Open Space. Staff recommends retaining the current zoning and land use designation until there is greater certainty regarding redevelopment potential of the adjacent former Commissary property.

NMWD's Rosalia Tank Site parcels: Staff and the Planning Commission recommend consideration of a change in the General Plan Land Use Map designation for parcel 153-111-15

from BPO to Very Low Density Residential, consistent with the land use designation for the other District properties. Staff recommends Planned Development zoning on all three parcels (two of which are already zoned PD) to provide for careful consideration of future development by the Design Review Commission, Planning Commission and City Council and that the District be directed to merge the three parcels (or at least the two larger parcels) to reduce development potential to a single home and to reduce the length of an access road to the maximum extent possible in advance of any rezoning action.

NMWD's Spinosa Tank Site parcels: Staff recommends consideration of rezoning from Community Facilities to Low Density Residential, and that the District be required to merge the two parcels and to perfect the access easement in advance of the proposed rezoning action.

ALTERNATIVES

1. Direct staff to identify desired zoning and/or General Plan Land Use Map changes to parcels other than those recommended by the Planning Commission or staff.
2. Request that staff provide additional analysis and recommendations.

ATTACHMENTS

1. Analysis of 21 vacant Multi-Family and Non-Residential properties
2. Existing Zoning Code land use and development regulations for commercially zoned properties
3. October 8, 2015 letter from General Manager of the North Marin Water District
4. Letter from Ron and Maureen Ashley re: 935 Front Street

November 10, 2015

Chris DeGabriele Comments to City Council re: Discussion of Potential Rezonings Associated with the General Plan Update and NMWD's request for Proposed Rezonings at Vacant Sites Originally Intended for Construction of Future Water Tanks.

Thanks for the opportunity to address the City Council. And thanks to Bob Brown and his staff for a complete staff report on the topic which accurately conveys NMWD's request.

The request for rezoning the subject properties was considered and unanimously approved by the NMWD Board of Directors at its' October 6 meeting.

The properties were declared surplus in 2001 with the intent to sell them and use the sale proceeds for NMWD capital projects. But there has been little interest from potential purchasers. Our hope is that rezoning as now requested will make them more marketable for potential buyers.

NMWD prefers that the staff recommendation to merge the parcels now to reduce development potential not be incorporated in your action. Staff has pointed out that the sites are constrained and we ask that decisions on development potential be made at the time a development proposal is received and subsequent approval is issued. NMWD will agree to only sell the parcels as combined packages: 3 parcels at the Rosalia site, and 2 parcels at the Spinosa site.

NMWD also wants to point out that it's not likely we will be able to perfect the access easement at Spinosa in advance of rezoning. We have attempted to do so with the adjacent property owner in the past and have been unsuccessful. NMWD will agree to only sell the 2 Spinosa parcels together and only when the access easement is perfected.

I propose that a letter agreement can be executed between the Novato City Manager and NMWD's General Manager to memorialize those promises.

Once again, thanks for your support and I'm happy to answer any questions you may have.

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MEMORANDUM

To: Board of Directors
From: Robert Clark, Operations / Maintenance Superintendent *RAC*
Subject: First Quarter 2015/16 Update
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November 13, 2015

RECOMMENDED ACTION: Information**FINANCIAL IMPACT:** NoneSafety Summary

No lost time incidents were recorded during the period. Hearing tests were performed for 23 employees who are at times exposed to 80dB and above noise levels during their normal job duties. No OSHA recordable results were identified however there was one person with a standard shift identified that required the employee be retrained on hearing protection use and was asked to be retested.

Maintenance Summary

Staff stayed on schedule with routine maintenance tasks, completing 30 unplanned work orders out of 246 total work orders completed this period. This is a ratio of 12% with a target of less-than 20% for unplanned vs. planned work. Temporary staff assisted with the fire service backflow testing on the 87 devices that require a non-standard test due to failing valves in order to isolate the device. With the assistance of Operations' staff, Construction/Maintenance staff and a contract vendor, the District is on track to complete all the required annual backflow testing by mid-December.

Electrical mechanical personnel worked with the contractors on the AEEP project to assist the startup of the Windhaven and Gunn Dr. Pump Stations, telemetry final inspections and cathodic protection start up and testing. The Hiring process for the Operations Maintenance Program Assistant was successfully completed during the period with the hiring of David Ladd. David is a mechanical engineer with instrumentation and telecommunications background. He is expected to be a good fit in coordinating our asset and maintenance management programs.

Operations Summary

The Stafford Treatment Plant began the period under normal production flows however production was reduced in August due to increased manganese levels producing just 225 MG or about half of normal volumes for the period. Production for the calendar year is on track for normal volumes due to the early start last February with 620 MG through the period end. Application for the new State Water Board National Pollutant Discharge Elimination System (NPDES) permit for


potable water discharges was submitted in July. Staff is developing an erosion and sedimentation control program to implement for all construction activities, storm events, planned and unplanned water system discharges.

In Point Reyes the Gallagher well was brought online and has been the primary water supply throughout the summer. During this time the treatment plant has seen increased water quality with no high salinity excursions observed. Work on well # 2 repairs was successful in restoring the flow capacity to 300 GPM. The replacement pump has been on backorder and staff will complete the repair project as soon as the pump arrives.

The Districts Residential Recycled Water Fill Station program began in mid-July with an initial 35 customers signing up and another 45 by the end of the period. The fill station was initially open Thursday and Friday evenings from 4pm-7pm and Saturday from 8am-noon. With increased interest Tuesday evenings were added in late July. (The Residential RW Fill Station closed for the season on October 31).

10

MEMORANDUM

To: Board of Directors
From: Pablo Ramudo, Water Quality Supervisor 
Subject: First Quarter FY 15/16– Water Quality Report
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November 13, 2015

RECOMMENDED ACTION: Information**FINANCIAL IMPACT:** \$0

The water served to the communities of Novato and Point Reyes met federal and state primary and secondary water quality standards during the first quarter of fiscal year 2015-2016.

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 used as a source of drinking water throughout the 1st quarter. Water quality was monitored on a weekly basis for chemical and mineral components as well as microbiological activity.

Algae from the raw water intake were identified and enumerated. Algae numbers were high as is typical in the summer months. Diversity was high with twelve species of algae were recorded in high numbers including several species which produce compounds that can cause adverse taste and odor.

Total organic carbon (**TOC**) ranged from 7.7-10.2mg/L. Anoxic conditions were present at the bottom of the lake for a large portion of the quarter and several metals were present in moderate concentrations, chiefly iron and manganese.

Treatment Performance: Stafford Treatment Plant

Total organic carbon removal remained above the 35-40 %requirement of the Enhanced Surface Water Treatment Rule. Despite the high raw water values, Operators were able to achieve an impressive 82-93% removal throughout the quarter. Finished water TOC concentration was 0.5-1.8mg/L well below the districts goal of 2.0 mg/L. The majority of TOC removal was accomplished through optimized coagulation and filtration.

There was great difficulty experienced to completely remove manganese from the raw water throughout the quarter. Stafford Treatment plant was shut down on a few occasions when manganese concentrations rose above the secondary maximum contaminant limit of 0.050 mg/L.

This limit is for

Treatment Performance: Stafford Treatment Plant (continued)

aesthetics as manganese has no health effects. Water produced at Stafford during the quarter had a slightly yellow color intermittently due to manganese.

Distribution System: Novato

Of 248 samples collected for compliance with the Total Coliform Rule two were positive for coliform bacteria. All follow up samples were negative for coliforms. The two positive samples were attributed to low chlorine residual concentration. Chlorine residual concentrations throughout the system were variable and intermittently low, especially in upper zones. Following the two coliform positive samples, monitoring and chlorine supplementation at tank sites was increased.

Disinfection byproducts were low for 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 was good throughout the quarter. Water quality parameters affected by salt water were steady throughout the quarter. The sodium concentration ranged from 33 - 41 mg/L, chloride ranged from 30-40 mg/L, and bromide ranged from 0.12 – 0.16 mg/L.

Pending rehabilitation, Coast Guard Well #2 remained off during the quarter.

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 are not prone to intrusion from seawater. Sodium concentration ranged from 11-13 mg/L, chloride ranged from 12-14 mg/L, and bromide ranged from 0.06 – 0.07 mg/L. Hardness is higher in the water from Gallagher well, ranging from 124 – 142 mg/L. Iron and manganese concentrations were also higher at Gallagher Well than in Coast Guard Well #4.

Treatment Performance: Point Reyes Treatment Plant

Treatment was optimal throughout the quarter and finished water quality was good. Iron and Manganese removal was excellent; neither of the metals was detected in the treated water. Water was primarily sourced from Gallagher Well which was supplemented with Coast Guard Well #4 during times of higher demand. Water from the two sources is blended prior to treatment.

Distribution System: Point Reyes

There were 22 samples collected for routine monitoring and compliance with the total coliform rule. None of the samples were positive for coliform bacteria. Chlorine residual concentrations throughout our distribution system were good.

Disinfection byproducts decreased from last quarter and were relatively low.

Point Reyes System Lead and Copper

The second of two rounds of monitoring for lead and copper in 2015 was concluded in July. Neither action level was exceeded in the 90th percentile of samples. The State Division of Drinking Water has informed us that additional treatment for corrosion control is not indicated by the results of this monitoring, and so has relieved us of the responsibility to complete a corrosion control study. NMWD must still conduct monitoring for the two metals at customer taps on an accelerated schedule for the next two years.

NOVATO RECYCLED WATER

Deer Island Recycled Water Facility

The Deer Island plant produced water for twenty days in July to provide recycled water to the North area of Novato. Recycled water quality was good during this time.



North Marin Water District- 1st Quarter FY2015/2016

Bacteriological Quality Monitoring

Novato: 248 Samples Analyzed. 2 samples positive for coliform bacteria
 Point Reyes: 22 Samples analyzed. No samples positive for coliform bacteria.

Chemical Quality Monitoring

Constituent	Units	Maximum Contaminant level	SCWA North Marin Aqueduct	Stafford Treatment Plant	Point Reyes Treatment Plant
Conductivity	umhos/cm	900 *	290	350	290
TDS	mg/L	500 *	177	207	175
Hardness	mg/L	-	113	104	126
Alkalinity	mg/L	-	131	67.6	125
Calcium	mg/L	-	22.4	19.6	20
Magnesium	mg/L	-	13.5	13	17.9
Copper	mg/L	1.0*	ND	ND	ND
Iron	mg/L	0.3*	ND	ND	ND
Manganese	mg/L	0.05 *	ND	ND	ND
Zinc	mg/L	5.0 *	ND	ND	ND
Sodium	mg/L	-	19.7	31.7	12.7
Chloride	mg/L	250 *	7	70.4	14.7
Sulfate	mg/L	250 *	12.5	8.85	6.43
Fluoride	mg/L	2.0 (1.4-2.4)	0.11	0.14	0.12
Nitrite as N	mg/L	1.0	ND	ND	ND
Nitrate as N	mg/L	10	0.18	0.08	0.16
pH	pH units	8.5 *	8.46	8.18	7.17
Turbidity	NTU	5	0.06	0.15	0.05
Color	PCU	15	<2.5	<2.5	<2.5
Free Chlorine	mg/L	4.0	0.74	1.00	0.89
Total Chlorine	mg/L	4.0	0.88	1.1	0.99
Temperature	° C	-	20.3	22.1	16
Odor	TON	3	<1	<1	<1

*Indicates secondary drinking water standard


ND = Not Detected
 NA = Not Analyzed

11

MEMORANDUM

To: Board of Directors

November 13, 2015

From: Chris DeGabriele, General Manager 

Subj: Sustainable Groundwater Management Act in Sonoma County

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RECOMMENDED ACTION: Information Only

FINANCIAL IMPACT: None at this time

The Board received information on the Sustainable Groundwater Management Act in Sonoma County at the October 20th meeting including an overview provided to the Sonoma County Water Agency Board at their meeting on October 13th. I attended the public workshop for the Petaluma Valley Basin on November 9th (Attachment 1), which included a similar overview.

It was noted at the Petaluma workshop that the USGS groundwater study for the Petaluma Valley Basin is one year into a three year scheduled review. To date there is little hydro-geologic information to report out. The Petaluma Basin includes 46,000 acres with highly complex geology and a high clay content resulting in well capacities that are relatively low. The few wells that have been monitored in the Petaluma Valley Basin have variable trends but groundwater levels appear to be falling over time (approximately 10-15 feet reduction in groundwater level over approximately 25 year period).

Water Quality is also a challenge in the Petaluma Valley Basin, as the northwest area has high nitrates, the southeast area has salinity intrusion, and elevated iron and manganese appears throughout the basin. The Petaluma Valley Basin partners for formation of a Groundwater Sustainability Agency (GSA) include: Sonoma County Water Agency, the County of Sonoma, City of Petaluma, and North Bay Water District. The parties are seeking volunteers to increase the number of wells to be monitored. Monitoring includes measuring groundwater depth two-times per year and information would be kept confidential. The contact for becoming a well monitoring volunteer is the City of Petaluma.

Information to-date about the North Bay Water District from Sonoma County LAFCO is attached, along with a map of the geographic area (Attachment 2). I have been verbally informed that North Bay Water District is essentially a paper irrigation district with land owner voter requirements; although the LAFCO summary indicates it's a County Water District formed pursuant to Water Code section 30000 et seq. similar to NMWD. North Bay Water District is intended to represent agricultural interests in the GSA. It is obvious to me that the Directors

identified at the meeting, knew little about the District and that there had not been a vote for Directors in some time. It was formed in 1963 ostensibly to obtain Lake Berryessa water from the State Water Project. At that time the California Department of Water Resources was considering enlargement of Lake Berryessa to 14MAF (current capacity is 1.6MAF), construction of a Putah South Canal from Putah Creek to Cordelia Junction and connection with the North Bay Aqueduct (not yet constructed at that time) which terminus would be the Marin County border in the vicinity of what is now Port Sonoma. I am attempting to find more information about the North Bay Water District at this time.

I have asked Sonoma County Water Agency to discuss how North Marin can participate in possible groundwater banking in the future even though NMWD is not part of the Sustainable Groundwater Management Act proceedings. NMWD's relationship is with Sonoma County Water Agency in the Restructured Agreement, yet the only applicable provision within the Restructured Agreement for NMWD participation would be related to emergency wells as an additional facility. NMWD needs to make sure that when conversation with Sustainable Groundwater Management Act, participants get to the point of groundwater banking and facilities that NMWD participation is enabled.

Public Workshop Agenda

Implementing the Sustainable Groundwater Management Act in Sonoma County

Petaluma Valley Basin

Nov. 9, 6-8 p.m.

Lucchesi Community Center
320 North McDowell Blvd.
Petaluma

Sonoma Valley Basin

Nov. 12, 6-8 p.m.

Veterans Memorial Building
126 First Street West
Sonoma

Santa Rosa Plain Basin

Dec. 9, 6-8 p.m.

Finley Community Center
2060 West College Ave.
Santa Rosa

Workshop Purpose

- Increase understanding about the requirements of the Sustainable Groundwater Management Act and local groundwater conditions
- Provide input on the approach to forming groundwater sustainability agencies

Agenda

6:00	Welcome
6:10	Workshop Overview
6:15	Sustainable Groundwater Management Act Overview and Requirements <ul style="list-style-type: none">▪ What is SGMA and what does it require?▪ What are the conditions in this local groundwater basin?
6:45	Question and Answer Session
7:00	Local Implementation <ul style="list-style-type: none">▪ Stakeholder Issue Assessment▪ Opportunities for Public Involvement▪ Forming Groundwater Sustainability Agencies
7:30	Discussion and Input
8:00	Close

SGMA in Brief

The Sustainable Groundwater Management Act (SGMA) became California law in fall 2014 with the goal of providing local agencies with tools and resources to ensure long-term sustainable groundwater management. The State of California has designated three groundwater basins in Sonoma County as medium priority that must comply with SGMA requirements:

- Petaluma Valley Basin
- Santa Rosa Plain Basin
- Sonoma Valley Basin

SGMA requires local public agencies, or a combination of local agencies, overlying groundwater basins to form a Groundwater Sustainability Agency (GSA) by June 30, 2017. Local agencies with water supply, management, or land use authority are eligible to form GSAs. SGMA also requires the GSAs to develop Groundwater Sustainability Plans (GSPs) by 2022 and achieve sustainability by 2042.

SUSTAINABLE GROUNDWATER MANAGEMENT ACT IN SONOMA COUNTY

FREQUENTLY ASKED QUESTIONS | OCTOBER 2015

The Sustainable Groundwater Management Act (SGMA) was passed into California law in fall 2014 and took effect in January 2015. SGMA requires that state-designated medium and high priority basins must form a groundwater sustainability agency and develop a long-term groundwater sustainability plan. Of Sonoma County's 14 state-identified groundwater basins and sub-basins, three are designated as medium priority: Petaluma Valley, Santa Rosa Plain and Sonoma Valley. These basins must comply with SGMA.

For general information about SGMA, go to www.sonomacountygroundwater.org. The Frequently Asked Questions address how SGMA could impact Sonoma County.

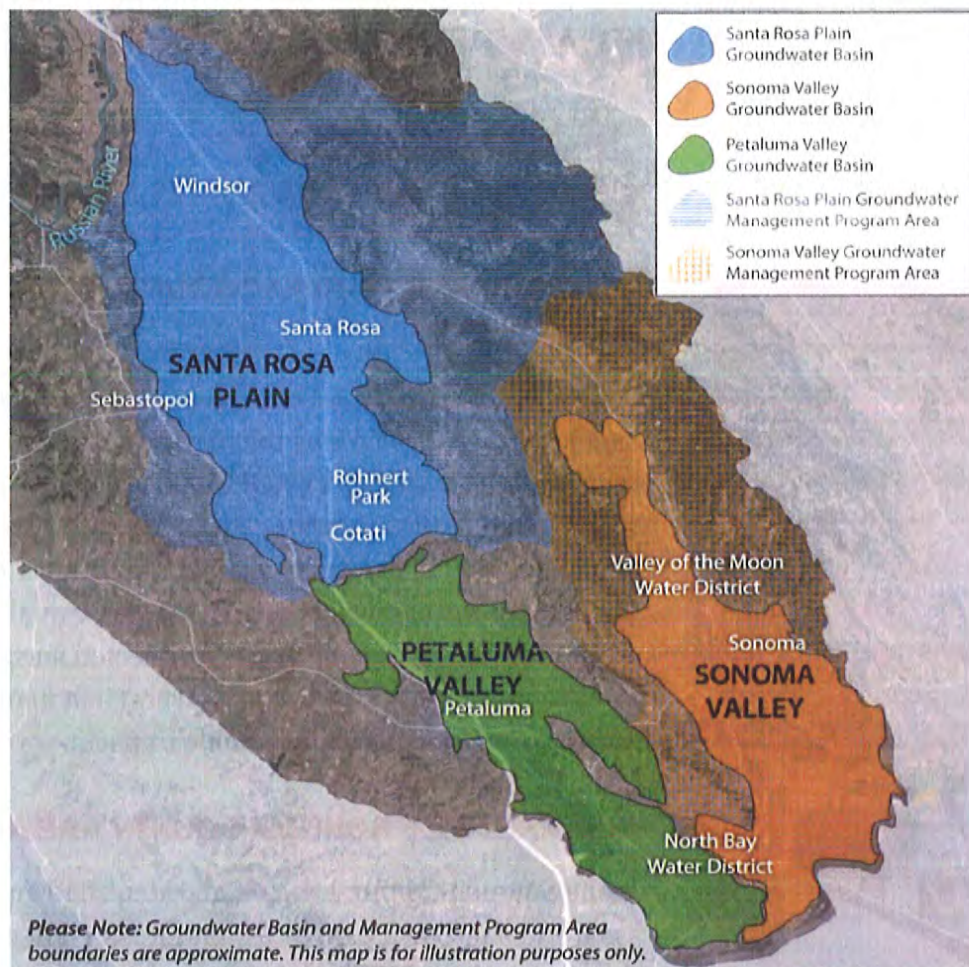
WHAT IS "SUSTAINABLE" GROUNDWATER MANAGEMENT?

SGMA defines sustainable management as managing and using groundwater in a way that can be sustained over a long period of time. Specifically, SGMA defines sustainable yield as the amount of groundwater that can be withdrawn annually without chronically lowering groundwater levels, causing seawater intrusion, degrading water quality, causing land subsidence or depleting interconnected surface water (for example, creeks, streams and rivers) in a manner that causes significant and unreasonable impacts.

WHAT AREAS OF SONOMA COUNTY ARE AFFECTED?

Among Sonoma County has 14 state-identified groundwater basins and sub-basins, three – Santa Rosa Plain groundwater subbasin, Sonoma Valley groundwater subbasin and Petaluma Valley groundwater basin – are currently designated medium priority by the California Department of Water Resources.

SGMA requires these three basins to have a locally adopted Groundwater Sustainability Plan (GSP) by 2022. A GSP is optional for Sonoma County's 11 low- and very low-priority basins and subbasins, and SGMA does not apply outside of mapped groundwater basins. Basins are prioritized based on a number of factors, including population, amount of irrigated agriculture and reliance on groundwater. The California Department of Water Resources may reprioritize basins in the future, which could result in medium-priority basins moving into the high-priority category and low- or very-low priority basins moving into the medium category.



WHO WILL MANAGE GROUNDWATER IN SONOMA COUNTY?

The first requirement of SGMA is to form a Groundwater Sustainability Agency (GSA) by June 2017. SGMA defines GSA-eligible entities as any local agency that has water supply, water management or land use responsibilities within a groundwater basin. Any GSA-eligible entity or combination of GSA-eligible entities can form the GSA. The GSA will have regulatory authority to set fees, require reporting, regulate how much groundwater is pumped, and monitor wells. The GSA can also build capital projects to help achieve groundwater sustainability, including developing additional water supplies or enhancing groundwater recharge. The agencies eligible to serve as GSAs in the basins are the cities within the basins, the County of Sonoma, the Sonoma County Water Agency, and two water districts (see chart below).

If no agency steps forward to manage groundwater, the County of Sonoma becomes the default GSA, unless it opts out. If the County opts out, the State Water Resources Control Board will step in. If multiple agencies within a basin express an interest in managing groundwater, the agencies must coordinate on a GSP.

ENTITIES ELIGIBLE TO SERVE AS GROUNDWATER SUSTAINABILITY AGENCIES

SANTA ROSA PLAIN BASIN	PETALUMA VALLEY BASIN	SONOMA VALLEY BASIN
City of Cotati	City of Petaluma	City of Sonoma
City of Rohnert Park	North Bay Water District	North Bay Water District Valley of the Moon Water District
City of Santa Rosa	Sonoma County	Sonoma County
City of Sebastopol	Sonoma County Water Agency	Sonoma County
Town of Windsor		Sonoma County Water Agency
Sonoma County		
Sonoma County Water Agency		

WHAT IS HAPPENING IN SONOMA COUNTY?

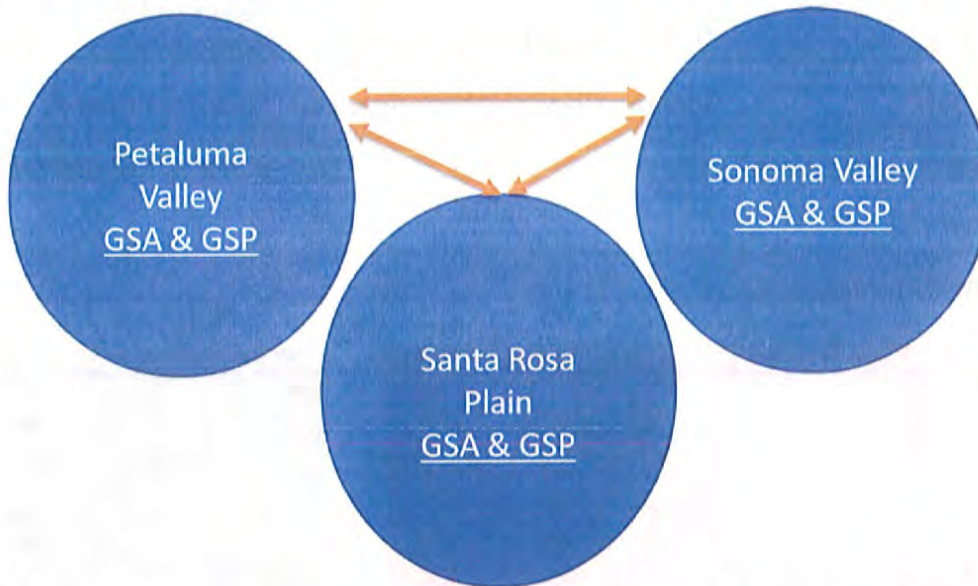
- In April, the County and the Water Agency hired the Consensus Building Institute to conduct a stakeholder assessment regarding Groundwater Sustainability Agency formation. The report with process recommendations was released at the beginning of September.
- Staff from GSA-eligible entities are meeting to understand SGMA requirements and explore options for GSA formation.
- Basin Advisory Panels (part of the adopted Groundwater Management Plans in Sonoma Valley and Santa Rosa Plain) are learning about SGMA and will be providing input on reaching out to stakeholders and sharing ideas on how eligible entities can work together.
- The GSA-eligible entity staff made presentations to their boards and councils in fall 2015 to receive input on principles for developing groundwater sustainability agency governance options, on a skeleton governance structure and on an outreach and communications plan.
- Public workshops are scheduled in November and December to increase understanding about SGMA requirements and solicit input on GSA formation.
- A website was created to provide information on SGMA and Sonoma County activities, www.sonomacountygroundwater.org. The website includes an email sign-up list for people interested in receiving information about SGMA.

WILL THERE BE ONE GSA OR SEVERAL?

Through the stakeholder assessment and conversations with GSA-eligible entity staff and existing Basin Advisory Panels in Sonoma Valley and Santa Rosa Plain, a few important considerations emerged:

- The GSAs should provide for local control with key management decisions at the basin level within each basin.
- The Groundwater Sustainability Plans (GSPs) should build off or leverage the existing groundwater management programs.
- Groundwater and surface water interaction should be managed as part of the GSPs, which is also a SGMA requirement.
- The structure and process should be kept as simple as possible.

Staff of the GSA-eligible entities are recommending a skeleton structure of one GSA and one GSP per basin. Each GSA would be responsible for implementing SGMA in its basin, would possess all GSA authorities provided for in the law, and be responsible for developing and implementing the GSP. Each GSA would develop its own legal framework and voting structure. The legal framework could be a memorandum of understanding among the participating agencies, a joint powers authority, a special district, or other structure. That decision is (shortly) down the road.



The GSAs will be committed to information sharing across basins. Coordination between GSAs could occur for all external-facing activities and for developing common basic tools to support groundwater management (for example, data management systems, regional studies or projects). Each GSA will retain its own independent authorities and would need to ratify recommendations that emerged through inter-basin coordination.

ISN'T GROUNDWATER ALREADY MANAGED IN SONOMA VALLEY AND SANTA ROSA?

Both Sonoma Valley and the Santa Rosa Plain groundwater basins have groundwater management plans that were collaboratively developed by diverse stakeholder groups known as Basin Advisory Panels. These voluntary, non-regulatory plans are an excellent first step, and will significantly advance the region's ability to comply with SGMA by establishing a robust data collection and monitoring program and by promoting, studying and implementing programs and projects aimed at sustaining the basins'

groundwater resources and fostering stakeholder coordination. These plans, however, don't meet the more stringent SGMA requirements.

For example, the current plans include actions that *could* result in sustainable groundwater basins, if implemented through the voluntary cooperation of well owners and agencies. In contrast, the new law requires each Groundwater Sustainability Plan to include actions that *will* be taken to meet the sustainability goal

in each basin. SGMA requires regular reporting and accountability to ensure a successful outcome of groundwater sustainability. SGMA provides GSAs with powers and authorities to ensure that state-

designated medium and high priority basins will reach groundwater sustainability within 20 years. Lastly, the new law also provides for state intervention if local agencies fail to achieve groundwater sustainability.

WHEN WILL THE PLAN BE IN PLACE?

SGMA provides ample time to implement the new requirements. Some key deadlines are below:

Time	Action
June 30, 2017	Formation of GSAs
January 31, 2022	Completion of plans in Sonoma Valley, Petaluma and Santa Rosa Plain basins
January 2042	High- and medium-priority basins achieve sustainability

Local GSA-eligible agencies are committed to meeting these timeframes and, wherever possible, completing the required actions ahead of time.

WILL STAKEHOLDERS AND THE GENERAL PUBLIC BE INVOLVED IN IMPLEMENTING THE SGMA?

SGMA requires that the GSA-eligible entities notify groundwater users and the general public and hold a public hearing on the formation of the groundwater sustainability agency. SGMA also requires the GSA to involve groundwater users and the general public in the development of the groundwater sustainability plan. Given the critical role of local agencies, agriculture, the environmental community, and private well owners in the Basin Advisory Panels in Sonoma Valley and Santa Rosa Plain, it is anticipated that diverse stakeholders and the public at large will continue to be involved in implementing SGMA in Sonoma County. Collaboration, stakeholder involvement and public support will be key to the successful implementation of SGMA.

DOES THE SGMA AFFECT MY WATER RIGHTS?

SGMA specifies that the act and any groundwater management plans developed as a result of SGMA do not affect surface or groundwater rights. See Water Code Section 10720.5.

WHO WILL PAY FOR THE IMPLEMENTATION OF THE SGMA AND ANY PROGRAMS/PROJECTS?

The GSA-eligible entities applied for and received Facilitation Support Services from the State Water Resources Control Board, through funding from Proposition 1, approved by the voters in November 2014. In addition to facilitation services, Proposition 1 provides \$100 million statewide to fund the implementation of the SGMA. GSA-eligible entities will aggressively pursue this funding and other grant opportunities. The new law also allows for the GSA(s) to collect fees to help pay for the costs of preparing and implementing the GSP.

HOW WILL THE NEW LAW AFFECT ME?

SGMA gives GSAs broad authority to manage groundwater, including authority to increase groundwater supply (for example, projects to increase groundwater recharge or replenishment) and to manage groundwater demand through well monitoring and, if necessary, regulating groundwater extraction. However, SGMA does not authorize GSAs to meter domestic groundwater wells that use less than 2 acre-feet per year (an acre-foot is equivalent to 325,851 gallons or the amount of water it takes to cover an acre with one foot of water). GSAs also have authority to assess fees for groundwater management. Any GSA(s) established in Sonoma County will decide which of these measures, if any, are needed to sustainably manage groundwater in each affected basin. Given that the groundwater sustainability process is only beginning, including numerous opportunities for public and well owner input, identifying specific impacts of the new law on well owners is speculative. Once GSAs are formed and plans are adopted, the impacts could vary depending on where your well is located and the amount of water you pump annually; the local GSA will decide what is necessary to sustainably manage groundwater in its basin.

WILL SGMA CHANGE WHAT I PAY FOR WATER?

Under SGMA, GSAs may charge groundwater users to help cover the cost of groundwater management. Each GSA will decide whether fees are imposed and the size of fees, if any.

WILL SGMA LIMIT HOW MUCH WATER I CAN USE?

Locally developed GSPs will include programs and projects needed for each basin to become sustainable within 20 years. Under SGMA, it is *possible* that a local plan could limit the water pumped by individual well owners. The GSA can decide to limit groundwater extraction (pumping) based on the specific conditions in the affected groundwater basin, and only after considering the needs of *all* groundwater users.

For more information, go to www.sonomacountygroundwater.org

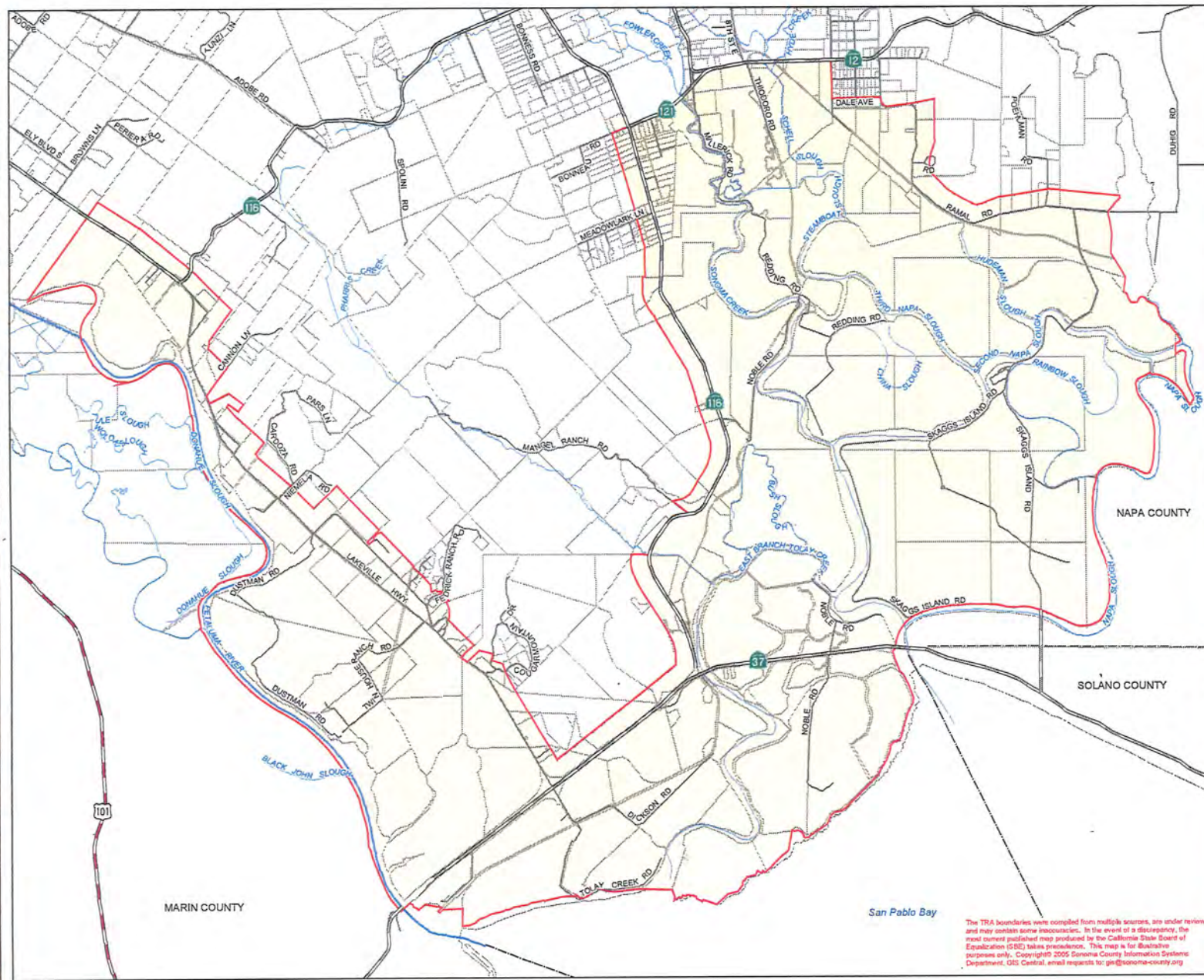
North Bay Water District

Date of District Formation	The District was formed in 1963.
District Area	The District is located at the southern edge of the County. It is bounded by San Pablo Bay, Napa County and Marin County and touches Solano County at Sears Point.
Enabling Legislation	County Water District pursuant to Water Code Sections 30000 et seq.
Authorized Services	Unknown
Current Services	None
Properties and Facilities Managed	None
Selection of Board Members	The Board of Directors is elected by the registered voters residing within the District.
Number of Board Members	The District is governed by a five-member Board of Directors.
Members Terms of Office	The directors are elected to 4-year staggered terms.
District Funding Source	Revenues are from interest on cash only.
Property Tax Allocation	None
Special Taxes or Assessments	None
District Staffing and Employees	None
Meeting Schedule	The District Board of Directors meets once a year in June.
Meeting Location	The Board of Directors meetings are held at the Schell Vista Fire Station located at 22950 Broadway, Sonoma CA.
Annual Revenues (Based on California State Controllers Report, Fiscal Year 2009-10)	
Office Location, if any	None
Contact Information	Mailing Address: Phone Number:

Web Site, if any	None
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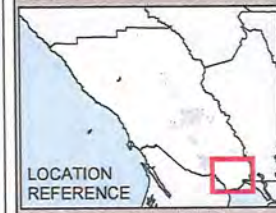
General Notes:

The 2004 Municipal Service Review states "the North Bay Water District is a "paper agency" which has no facilities and provides no services. It was formed in 1963 in anticipation of receiving water from the State Water Project, which never subsequently occurred; no major changes have been made since. Revenues are from interest on cash only. The District Board of Directors meets once a year; a bookkeeper/secretary works part-time under contract."



NORTH BAY COUNTY WATER DISTRICT

- NORTH BAY COUNTY WATER DISTRICT (TRA FY 05 - 06)
 - SPHERE OF INFLUENCE
 - COUNTY OF SONOMA GIS PARCELS
 - FREEWAY
 - HIGHWAY
 - STREET
 - RIVER
 - CREEK
- DATE: 11/03/2005



• Author:
County of Sonoma Information Systems Department GIS Central

• Projection & Coordinate System Tics:
California State Plane Coordinate System, Zone II, NAD 83, US survey feet, Lambert Conformal Conic. Some data have been reprojected from other coordinate systems and may not reflect actual ground positions.

• Document Source and Date:
sc-gis02\gisdata\projects\LAFCO\SpecialDistrictReview\Project\water\northbaywater_v9.mxd

• Data Source:
Sonoma County Information Systems Department GIS Central, SBE, Sonoma County Assessor


The TRA boundaries were compiled from multiple sources, are under review, and may contain some inaccuracies. In the event of a discrepancy, the most current published map produced by the California State Board of Equalization (SBE) takes precedence. This map is for illustrative purposes only. Copyright © 2005 Sonoma County Information Systems Department. GIS Central, email requests for: gis@sonoma-county.org

12

MEMORANDUM

To: Board of Directors

November 13, 2015

From: Chris DeGabriele, General Manager 

Subj: California Water Board Considering Extension of Emergency Drought Regulations

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RECOMMENDED ACTION: Information Only

FINANCIAL IMPACT: None

Attached is a Notice of Public Workshop from the State Water Resources Control Board advising they will receive input on the potential extension and modification of the existing Emergency Regulation for Statewide Urban Water Conservation. The informational workshop will be held on December 7th and comments are due to the State Board by December 2nd.

Since early October, I have been working with the City of Santa Rosa and other Water Agencies in the Sacramento, Orange County and San Diego County area developing a further refined regional compliance option for the Emergency Regulations. Recall that the District advocated for such provision under the Sonoma Marin Saving Water Partnership umbrella in April of this year, prior to enactment of the current Emergency Regulations (Attachment 2). Additionally, the State Board is asking questions with regard to any other changes, additional data, or how the State Board should account for precipitation after January 2016 in an extended emergency regulation.

I have drafted a comment letter which is being circulated among the SMSWP and will be used as a template to convey individual comments from each partner to State Board by the December 2nd deadline. A draft of the letter is included as Attachment 3.



EDMUND G. BROWN JR.
GOVERNOR



MATTHEW RODRIGUEZ
SECRETARY FOR
ENVIRONMENTAL PROTECTION

State Water Resources Control Board

NOTICE OF PUBLIC WORKSHOP

Urban Water Conservation

Monday December 7, 2015 – 10:00 a.m.

Joe Serna Jr. - CalEPA Headquarters Building
Coastal Hearing Room
1001 I Street, Second Floor
Sacramento, CA 95814

NOTICE IS HEREBY GIVEN that the State Water Resources Control Board (State Water Board) will hold a public workshop to receive input on the potential extension and modification of the existing Emergency Regulation for Statewide Urban Water Conservation (Emergency Regulation) if drought conditions persist into 2016. This will be an informational workshop only and the State Water Board will take no formal action.

BACKGROUND

On April 1, 2015, Governor Brown issued the fourth in a series of executive orders on actions necessary to address California's severe drought conditions. On May 5, 2015, the State Water Resources Control Board (State Water Board) adopted an Emergency Regulation to address specific provisions of the April 1 Executive Order, including the mandatory 25 percent statewide reduction in potable urban water use between June 2015 and February 2016.

To reach the Governor's statewide 25 percent reduction mandate, the Emergency Regulation assigns each urban water supplier (serving more than 3,000 connections) a conservation standard that ranges between 8 percent and 36 percent based on their residential gallons per capita per day (R-GPCD) for the months of July through September 2014. This will equate to approximately 1.2 million acre-feet of water saved between June 2015 and February 2016. The State Water Board maintains a web portal with additional information on the Emergency Regulation and conservation standards:

http://www.waterboards.ca.gov/water_issues/programs/conservation_portal/emergency_regulation.shtml

From June 2015 through September 2015, the state's 411 urban water suppliers have reduced water use by 28.1 percent relative to 2013 use in the same months. Not all urban water suppliers have met their cumulative conservation standards, however. Over this period 282 water suppliers (72%) have exceeded or are within one percent of their cumulative conservation standard, 70 suppliers are exceeding their conservation standard by 10 percent or more, while 6 suppliers are more than 15 percent below their conservation standard.

Severe drought conditions have decreased water levels in California's reservoirs and reduced flows in the state's rivers. The drought continues to present urgent challenges including water shortages in communities across the state, over-drafted groundwater basins and land subsidence, dying trees and increased wildfire activity, diminished water for agricultural production, degraded habitat for many fish and wildlife species, and an increased threat of saltwater intrusion to the Sacramento-San Joaquin Bay Delta.

WORKSHOP OVERVIEW

An extension of the Emergency Regulation to conserve urban water supplies in 2016 may be needed depending on the amount of precipitation (both rainfall and snow accumulation) that the State receives during the upcoming winter months. The purpose of this workshop is to solicit input on the types of changes to the emergency conservation regulatory framework the State Water Board should consider if such an extension is necessary.

The workshop will include a staff presentation and information on precipitation scenarios followed by public comments and Board Member discussion. The State Water Board is interested in receiving public input on the following questions:

1. What elements of the existing Emergency Regulation, if any, should be modified in an extended Emergency Regulation?
2. What additional data, if any, should the State Water Board be collecting through the Emergency Regulation and how would it be used?
3. How should the State Water Board account for precipitation after January 2016 in its implementation of any extension of the Emergency Regulation?

Workshop participants recommending modification to the Emergency Regulation should be prepared to describe and demonstrate the rationale and need for any proposed changes.

PROCEDURAL MATTERS

The workshop will be informational only. While a quorum of the State Water Board may be present, the Board will not take formal action at the workshop. There will be no sworn testimony or cross-examination of participants, but the State Water Board and its staff may ask clarifying questions. The workshop is an opportunity for interested persons to provide input to the State Water Board. To ensure a productive and efficient workshop, oral comments may be limited to three (3) minutes or otherwise limited at the discretion of the Board Chair or any Board member present. To ensure a productive and efficient workshop, participants with common comments are encouraged to coordinate and provide comments as a group. So that all commenters have an opportunity to participate, presentations and questions may be time-limited.

SUBMISSION OF WRITTEN COMMENTS

Interested persons must submit written comments by 12:00 p.m. on Wednesday, December 2, 2015.

Written comment letters must be submitted to the attention of:

Jeanine Townsend, Clerk to the Board
State Water Resources Control Board
1001 I Street, 24th floor
Sacramento, CA 95814

Comment letters may be submitted to the Clerk of the Board via email at: commentletters@waterboards.ca.gov (15 megabytes, or less, in size) or by fax at (916) 341-5620.

ADDITIONAL INFORMATION

Please indicate in the subject line “**Comment Letter – Urban Water Conservation Workshop.**”

Comments may also be hand delivered. Couriers delivering comment letters must check in with lobby security personnel on the first floor of the CalEPA Building at the above address. Questions on comment submittals may be directed to Ms. Townsend, at (916) 341-5600.

More information on the State Water Board’s Emergency Water Conservation Regulation can be found here:

http://www.waterboards.ca.gov/waterrights/water_issues/programs/drought/emergency_regulations_waterconservation.shtml

For directions to Cal/EPA, visit:

<http://www.calepa.ca.gov/EPABldg/location.htm>

Notices and submittals are available electronically at:


http://www.waterboards.ca.gov/board_info/calendar/index.shtml

All visitors must check-in upon arrival to CalEPA and then proceed to the meeting room.

Individuals who require special accommodations are requested to contact the Clerk to the Board at (916) 341-5600.

Please direct other questions about this notice to Kathy Frevert at (916) 322-5274 or kathy.frevert@waterboards.ca.gov.

November 6, 2015
Date


Jeanine Townsend
Clerk to the Board



DELIVERED BY EMAIL Jessica.bean@waterboards.ca.gov

Jessica Bean
State Water Resources Control Board
Attn: Jessica Bean
1001 I Street 24th Floor
Sacramento, CA 95814

April 22, 2015

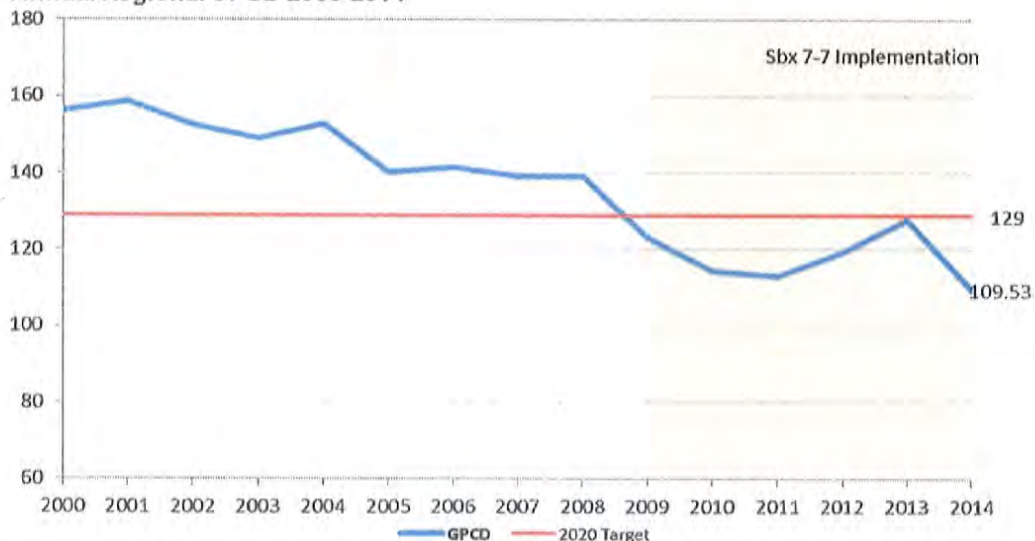
Re: Draft Emergency Regulation for Urban Water Conservation

Dear Chair Marcus and Members of the State Board:

I am writing on behalf of the Sonoma Marin Saving Water Partnership (SMSWP) requesting to meet a collective conservation standard under the subject Draft Regulation. The SMSWP, established in 2010, maintains a regional commitment to work collaboratively on the implementation of appropriate water use efficiency programs in Sonoma and Marin counties. A regional alliance of SMSWP signatories (the cities of Santa Rosa, Rohnert Park, Sonoma, Cotati, Petaluma, Town of Windsor, North Marin, Marin Municipal and Valley of the Moon Water District's) was formed to comply with SBx7-7 the Water Conservation Act of 2009. SBx7-7 calls for a 20% reduction in water use by the year 2020. The regional alliance was formed pursuant to the Department of Water Resources Methodology for Calculating Baseline and Compliance Urban Per Capita Water Use because the parties receive water from a common water wholesale supplier, the Sonoma County Water Agency (SCWA), also a SMSWP signatory.

The graph below demonstrates the long term progress of our region and the SMSWP has made towards incorporating water use efficiency in Sonoma and Marin Counties. Since 2000, there has been a 30% reduction in per capita water use while experiencing a 10% increase in population.

Annual Regional GPCD 2000-2014



City of Cotati - North Marin Water District - Marin Municipal Water District - City of Petaluma - City of Rohnert Park
City of Santa Rosa - City of Sonoma - Sonoma County Water Agency - Valley of the Moon Water District - Town of Windsor

Page 3 of the fact sheet on DRAFT REGULATIONS IMPLEMENTING 25% CONSERVATION STANDARDS states: "An open question is whether the draft regulation should allow multiple suppliers to join together to meet a collective conservation standard." SMSWP encourages the State Board to allow multiple jurisdictions to join together to form regional alliances that are assigned a collective conservation standard. SMSWP recommends that the State Board consider modeling the formation of regions based on the methodology developed by DWR for forming regional alliances to comply with SBx7-7. Regional alliances will allow for multiple jurisdictions to leverage resources to develop common messaging and water conservation programs in response to the drought.

Based on the current Draft Regulation, SMSWP proposes to meet an annual collective conservation standard of 20% to achieve the same amount of water savings as would individual SMSWP signatories in the aggregate. In summer 2014, (July through September) the SMSWP collective Residential GPCD averaged 101.14 gallons per person per day (see table below) equivalent to a Tier 5, 20% Conservation Standard as now proposed under the Draft Regulation.

Summer 2014 Sonoma Marin Saving Water Partnership Residential GPCD			
	Residential Production	Population	R-GPCD
Jul	2,015,985,157	594,651	109.36
Aug	1,772,531,369	594,091	96.25
Sep	1,743,217,426	593,984	97.83
	5,531,733,952		101.14

We request Draft Regulation Section 865.(c)(2) also recognize conjunctive use of local and regional surface and groundwater supplies as long as a region is meeting the collective conservation standard. In Sonoma and Marin counties, the 2014-15 water year has been better than last. Lake Sonoma, the major surface water supply reservoir supplying SMSWP members is at 87% capacity. Lake Sonoma holds 214,000 acre feet on this date which is equivalent to over three years water supply for consumptive and environmental needs. Additionally, local surface water reservoirs in Marin County are at approximately 90% capacity.

To comply with reporting requirements under the Draft Regulation, we propose that individual SMSWP signatories continue to report performance on the State Board website using the Urban Water Supplier Reporting Tool. Additionally, SCWA has previously reported to the State Board on regional water conservation performance as part of Temporary Urgency Change Order requirements and can continue to do so under this proposal.

On behalf of the SMSWP members I appreciate the opportunity to comment on this all important item and request that the State Board recognize the existing SMSWP organizational structure designed to promote water conservation in Sonoma and Marin counties. We believe the SMSWP can meet the State Board's mandatory restrictions on a regional basis.

Sincerely,



Chris DeGabriele
General Manager, NMWD
Chair, Technical Advisory Committee to
SCWA

DRAFT
November 10, 2015

Jeanine Townsend, Clerk to the Board
State Water Resources Control Board
1001 I Street
Sacramento, CA 95814

Commentletters@waterboards.ca.gov

Subject: Comment Letter – Urban Water Conservation Workshop

Dear Chair Marcus and Members of the State Board:

Thank you for the opportunity to provide input on the potential extension and modification of the current Emergency Regulations for Statewide Urban Water Conservation (Emergency Regulations) if drought conditions persist into 2016. North Marin Water District (NMWD) serves approximately 62,000 people in northern Marin County, principally in the vicinity of Novato California. To date, since June 2015, NMWD customers have reduced water consumption 475 million gallons, resulting in a 33% cumulative savings compared to the same period in 2013, and exceeding the State mandated Conservation Standard of 24%.

In response to questions included in the Notice of Public Workshop NMWD offers the following:

1. What elements of the existing Emergency Regulation, if any, should be modified in an extended Emergency Regulation?
 - a. NMWD asks that the addition of a Regional Compliance Option to the current Emergency Regulation framework be included. NMWD is a member of the Sonoma Marin Saving Water Partnership (SMSWP) which advocated for a regional compliance approach in its' April 22, 2015 letter to the State Board staff. A more expanded Regional Compliance Option proposal has now been forwarded to the State Board staff from a broader coalition of water agencies who currently have formed alliances to comply with SBx7-7 requirements. This recent Regional Compliance Option proposal was presented to State Board staff on October 26, 2015 during an informal workgroup meeting. The Regional Compliance Option will achieve the same water savings as the participating individual water agencies. This option does not require any changes to individual water agency Conservation Standards, baselines or reported production figures and relies on voluntary participation from individual water agencies that choose to form a multiagency region to reach compliance with the State Water Resources Control Board's emergency regulation.
 - b. NMWD also asks that water production savings exceeding the Conservation Standards for a region or individual agency during the June 2015 through February 2016 period be "rolled over" and credit the region or individual agencies during any extension period. We ask that any proposed extension period, prospectively beginning on March 1, 2016, not restart from a perspective of no conservation savings to-date when a region or individual agency has ended the original measurement period with cumulative savings exceeding its Conservation Standard.
2. What additional data, if any, should the State Water Board be collecting through the Emergency Regulation and how would it be used?

- a. For future compliance evaluation purposes, NMWD requests State Board staff guidance to help standardize the methods used to account for bimonthly billing cycles and different number of days in each billing cycle. Water production information from water wholesalers are not always consistent between years because the wholesaler billing period does not always coincide with calendar month as now required for reporting. This request will provide more accurate data for comparison between current year and baseline year monthly reporting.
 - b. For future applicability of the Conservation Standard for a region or individual agency, NMWD suggests the State Board collect available water storage information for that region or agency monthly.
3. How should the State Water Board account for precipitation after January 2016 in its implementation of any extension of the Emergency Regulation?
- a. NMWD requests that any extension of Emergency Regulation beyond February 2016 include a trigger for regions or individual agencies based on a nexus between the mandated conservation standard and current water supply conditions. One way to do so is by reviewing the available water storage information monthly as suggested in response 2.b. above. The State Board can consider scaling back the applicable Conservation Standard when sufficient water supply as determined by reported available water storage is sufficient to meet the region or agency needs. We suggest the State Board consider a 4% Conservation Standard when a region or agency has available water storage at or above 90% of the water supply/water conservation pool for surface water reservoirs, on April 1, 2016.

Once again, thank you for the opportunity to comment.

Sincerely,

Chris DeGabriele
General Manager

13

DISBURSEMENTS - DATED NOVEMBER 5, 2015

Date Prepared 11/3/15

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	ACWA	Fall Conference Registration (Bentley)	\$695.00
2	Allen, David	Refund Overpayment on Closed Account	353.39
3	Allied Heating & Air Conditioning	Quarterly Maintenance on HVAC System	400.19
4	All Star Rents	Trencher Rental (\$426) & Concrete Drill Rental	538.38
5	Athens Administrators	Replenish Self-Insured Workers' Comp Account (\$2,532) & November Workers' Comp Admin Fee	3,532.85
6	AT&T	Voice Lines	150.78
7	Autoworld	Radiator Hoses (2) (\$73) & Thermostat & Housing ('03 Dodge Ram)	113.36
8	Bacons Auto Service	Smog Test ('08 F250 4x4)	41.75
9	Baker, Jack	October Director's Fee (\$410) & North Bay Watershed Assoc. Meeting on 10/2/15 (\$205)	615.00
10	Banana Man's Water Trucks	Fill NMWD RW Tank (110,000 gal)	2,268.00
11		Cafeteria Plan: Uninsured Medical Reimbursement	136.50
12	Bentley, David	Exp Reimb: October Mileage	105.63
13	Bio-Acoustical	Hearing Tests for Construction, Maintenance & Operations (23 Employees)	552.50
14	California State Disbursement	Wage Assignment Order	859.87
15		Cafeteria Plan Uninsured Medical Reimbursement	48.20
16	Dell Marketing	Replacement Computer (Mulliner)	701.16
17	Environmental Resource Assoc	Misc Supplies for Annual PT Study (Lab)	1,928.20
18	Fisher Scientific	Pipettes (24) (\$254), Chlorine Dispenser, Glass Vial Tops for Color Testing (3) (\$128) (Lab) (Less Credit for \$377)	50.45


Seq	Payable To	For	Amount
19	Fraites, Rick	October Director's Fee	410.00
20	GFOA	Application Fee for Government Financial Officers Assoc FY15 Comprehensive Annual Financial Report Award	435.00
21	Golden Gate Petroleum	Gas (\$2.65/gal) & Diesel (\$2.64/gal)	2,660.03
22	Grainger	Signal Wire (\$306) (500'), Steel Slip Hooks (6) (\$255), Cobweb Duster, Pressure Transducer (2) (\$442), Booster Pump Transducer (\$301) & Fluorescent Light Bulbs (36) (\$109)	1,426.35
23	Hearne, Patricia	Novato "Cash for Grass" Rebate Program	400.00
24	Jak Wonderly Photography	Prog Pymt#5: Photograph the AEEP Dedication Ceremony (Balance Remaining on Contract \$2,022)	590.00
25	Jim-n-i Rentals	Traffic Plate Lifting Ring (\$300) & Chain	435.15
26	Laskar, Sacha	Novato "Toilet" Rebate Program	100.00
27	Lincoln Life	Deferred Compensation Fee 10/31/15	14,337.14
28		Child Care Reimbursement	416.66
29	Maerklen, Ryan	Refund Overpayment on Closed Account	76.72
30	Maltby Electric	Conduits (200), Conduit Shuttles (2) & Outdoor Cat 5 Cable (200') (\$119)	207.76
31	Marin Reprographics	Laser Bond Paper (36" x 500') (4)	170.04
32	Matt & Jeff's Car Wash	Exterior (40) (\$449) & Interior/Exterior Washes (20) (\$389)	839.55
33	McLellan, WK	Compaction Testing (Novato Blvd @ Sunset & Corte Alta & Montego Key)	1,513.36
34	Drew McIntyre	Exp Reimb: AWWA Conference in Las Vegas 10/26-29. Lodging (\$443), Parking (\$88), Meals (\$138) & Airfare (\$148)	817.99
35	McInnis Park Golf Center	Deposit for Annual District Holiday Party	250.00
36	Microtech Scientific	Sulfate (2,000g) (Lab)	180.36
37	Nationwide Retirement Solution	Deferred Compensation PPE 10/31/15	1,825.00
38	Natov, Janet	Novato "Toilet" Rebate Program	200.00

Seq	Payable To	For	Amount
39	Novato Sanitary District	July (\$13,742) & August (\$14,602) Recycle Water Operating Expense	28,344.25
40	Novato Police Dept	Telephone Answering Service (Aug-Oct)	600.00
41	Pace Supply	Box Lids (26) (\$556), 2" Silent Check (\$445) (3), 1/4" Hand Valves (3) & Threaded Outlets (6)	1,055.31
42	Pape Machinery	Diagnose & Repair Rear Boom - Parts (\$385) & Labor (\$1,336) ('09 JD Backhoe)	1,720.54
43	Petterle, Stephen	October Director's Fee	410.00
44	PG&E	Electric Bill (25 Giacomini Rd.)	7.41
45	Piper, Vance	Novato "Washer" Rebate Program	50.00
46		Childcare Reimbursement	208.33
47	RMC Water & Environment	Progress Pymt#2: RW Production Evaluation (Balance Remaining on Contract \$43,257) (\$9,807), Progress Pymt#11: NMWD-RW Project Title 22 Report (Balance Remaining on Contract \$65) (\$885) & NMWD Central Service Area Connection @ Novato Sanitary District (\$559) (Balance Remaining on Contract \$49,506)	11,250.50
48	Rodoni, Dennis	October Director's Fee (\$410) & TAC Meeting on 10/5/15 as WAC Chair (\$205)	615.00
49	Rogers Machinery	Oil (4 gal) (\$549) & Filters for Air Compressors @ STP	1,079.70
50	Scher, Eric	Novato "Toilet" Rebate Program	294.00
51	Schoonover, John	October Director's Fee Less Deferred (\$360), NBWRA Meeting on 9/21/15 (\$205) & NBWRA Tour Group on 10/8/15 (\$205)	770.00
52	Sebastopol Bearing & Hydraulic	Trailer Hitch Coupler	20.89
53	Silverado Avionics	Replacement Base Radio for Crest Radio Building	4,915.11
54	Skolnik, Angela	Refund Overpayment on Closed Account	197.44
55		Cafeteria Plan Uninsured Medical Reimbursement	230.00
56	Stark, James & Jeannie	Novato "Washer" Rebate Program	50.00

Seq	Payable To	For	Amount
57	Terris, Marion	Refund Overpayment on Open Account	658.18
58	Testa, Gary	Novato "Washer" Rebate Program	50.00
59	United Parcel Service	Delivery Services: Files to Attorney (Venegas Claim)	16.49
60	United Site Services	Porta Potty Rental (1 month) (Bear Valley Tank Project)	128.42
61	Verizon California	RTU (\$831) & Leased Lines	1,271.49
62	Verizon Wireless	Oct CIMIS Station Data Transfer Fee (2)	70.16
63	Volvo Construction Equipment	Oil (2 gal), Air (2), Fuel (2) & Separator Filters (2) (\$263) ('12 Compressor)	581.15
64	West County Transportation Agency	Annual Smoke Opacity Testing on Diesel Trucks	189.00
65	Wiley Price & Radulovich	September Services: Vacation Buy-Back, PEPRA Questions (\$281) & Venegas Claim	3,213.60
TOTAL DISBURSEMENTS			<u>\$98,379.29</u>

The foregoing payroll and accounts payable vouchers totaling \$98,379.29 are hereby approved and authorized for payment.

 11/3/15
 Auditor-Controller Date

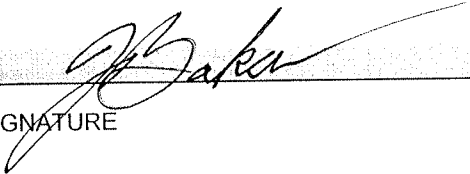
 11/3/2015
 General Manager Date

NORTH MARIN WATER DISTRICT CHECK REQUEST

PAYEE JACK BAKER	
425 Corte Norte	DATE <u> 1 / 1 / </u> (TODAY'S DATE)
Novato, CA 94949	AMOUNT: \$205.00

I attended the 10/2/15 Mtg of North Bay Watershed Assoc. on 10, 2, 15
(NAME OF MEETING OR WORKSHOP) (DATE OF MEETING)

and wish to be compensated as provided under the Board Compensation Policy.


 SIGNATURE

CHARGE TO: 56001-01-11

DISPOSITION OF CHECK

☐ MAIL TO PAYEE
☐ HOLD FOR _____
☒ OTHER:
ACH PAYMENT

APPROVED TO PAY BY _____

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REV. 0815

Prepared By	Accounting Review	POST DATE	Vendor No. BAKE01



Invoice Number (CK Req ID)	Invoice (CK Req) Date	Invoice (CK Req) Amount
CKRQ		\$205.00

NMWD Comment

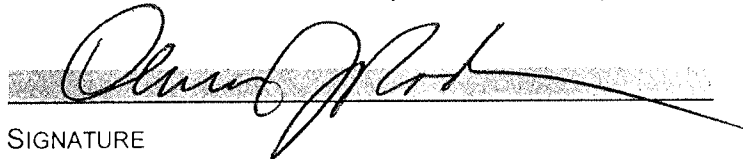
Job Number	GL Account	Amount
	56001-01-11	\$205.00
TOTAL		\$205.00

NORTH MARIN WATER DISTRICT CHECK REQUEST




PAYEE DENNIS RODONI	
P.O. Box 872	DATE <u>10/20/15</u> <small>(TODAY'S DATE)</small>
Pt. Reyes Station, CA 94956	AMOUNT: \$205.00

I attended the ATTEND TAC meeting 10/5/15 on 10/5/15
AS WAC CHAIR
(NAME OF MEETING OR WORKSHOP) (DATE OF MEETING)

and wish to be compensated as provided under the Board Compensation Policy.


 SIGNATURE

CHARGE TO: 56001-01-11

<u>DISPOSITION OF CHECK</u> <input type="checkbox"/> MAIL TO PAYEE <input type="checkbox"/> HOLD FOR _____ <input checked="" type="checkbox"/> OTHER: <u>ACH PAYMENT</u>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%; padding: 2px;">Prepared By</td> <td style="width: 15%; padding: 2px;">Accounting Review</td> <td style="width: 15%; padding: 2px;">POST DATE</td> <td style="width: 15%; padding: 2px;">Vendor No.</td> <td rowspan="2" style="width: 40%; text-align: center; padding: 5px;">  </td> </tr> <tr> <td style="height: 20px;"></td> <td style="height: 20px;"></td> <td style="height: 20px;"></td> <td style="height: 20px;"></td> </tr> </table> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%; padding: 2px;">Invoice Number (CK Req ID)</td> <td style="width: 20%; padding: 2px;">Invoice (CK Req) Date</td> <td style="width: 50%; padding: 2px;">Invoice (CK Req) Amount</td> </tr> <tr> <td style="height: 20px;">CKRQ</td> <td style="height: 20px;"></td> <td style="height: 20px; text-align: right;">\$205.00</td> </tr> </table> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 100%; padding: 2px;">NMWD Comment</td> </tr> <tr><td style="height: 20px;"></td></tr> <tr><td style="height: 20px;"></td></tr> <tr><td style="height: 20px;"></td></tr> <tr><td style="height: 20px;"></td></tr> <tr><td style="height: 20px;"></td></tr> </table> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%; padding: 2px;">Job Number</td> <td style="width: 30%; padding: 2px;">GL Account</td> <td style="width: 40%; padding: 2px;">Amount</td> </tr> <tr> <td style="height: 20px;"></td> <td style="height: 20px; text-align: center;">56001-01-11</td> <td style="height: 20px; text-align: right;">\$205.00</td> </tr> <tr><td style="height: 20px;"></td><td style="height: 20px;"></td><td style="height: 20px;"></td></tr> <tr><td style="height: 20px;"></td><td style="height: 20px;"></td><td style="height: 20px;"></td></tr> <tr><td style="height: 20px;"></td><td style="height: 20px;"></td><td style="height: 20px;"></td></tr> <tr> <td colspan="2" style="text-align: right; padding: 2px;">TOTAL</td> <td style="padding: 2px; text-align: right;">\$205.00</td> </tr> </table>	Prepared By	Accounting Review	POST DATE	Vendor No.						Invoice Number (CK Req ID)	Invoice (CK Req) Date	Invoice (CK Req) Amount	CKRQ		\$205.00	NMWD Comment						Job Number	GL Account	Amount		56001-01-11	\$205.00										TOTAL		\$205.00
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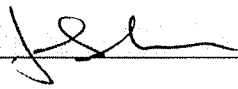
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NORTH MARIN WATER DISTRICT CHECK REQUEST

PAYEE JOHN SCHOONOVER	
1160 Rosalia Drive	DATE <u>10/10/15</u> (TODAY'S DATE)
Novato, CA 94947	AMOUNT: \$205.00


I attended the NBWRA Tour Group on 10/8/15
(NAME OF MEETING OR WORKSHOP) (DATE OF MEETING)

and wish to be compensated as provided under the Board Compensation Policy.



 SIGNATURE

CHARGE TO: 56001-01-11

<u>DISPOSITION OF CHECK</u> X MAIL TO PAYEE <input type="checkbox"/> HOLD FOR _____ <input type="checkbox"/> OTHER _____ APPROVED TO PAY BY _____ <small>T:\FORMS\CHECK REQUEST FOR BOARD.DOC REV. 0815</small>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%; padding: 2px;">Prepared By</td> <td style="width: 20%; padding: 2px;">Accounting Review</td> <td style="width: 20%; padding: 2px;">POST DATE</td> <td style="width: 40%; padding: 2px;">Vendor No.</td> </tr> <tr> <td style="height: 20px;"></td> <td></td> <td></td> <td>SCHO01</td> </tr> </table> <div style="text-align: right; padding-right: 10px;">  </div> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <tr> <th style="width: 40%; padding: 2px;">Invoice Number (CK Req ID)</th> <th style="width: 20%; padding: 2px;">Invoice (CK Req) Date</th> <th style="width: 40%; padding: 2px;">Invoice (CK Req) Amount</th> </tr> <tr> <td style="padding: 2px;">CKRQ</td> <td></td> <td style="text-align: right; padding: 2px;">\$205.00</td> </tr> </table> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <tr> <th style="width: 100%; padding: 2px;">NMWD Comment</th> </tr> <tr><td style="height: 20px;"></td></tr> <tr><td style="height: 20px;"></td></tr> <tr><td style="height: 20px;"></td></tr> <tr><td style="height: 20px;"></td></tr> </table> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <tr> <th style="width: 33%; padding: 2px;">Job Number</th> <th style="width: 33%; padding: 2px;">GL Account</th> <th style="width: 34%; padding: 2px;">Amount</th> </tr> <tr> <td></td> <td style="text-align: center;">56001-01-11</td> <td style="text-align: right;">\$205.00</td> </tr> <tr><td style="height: 20px;"></td><td></td><td></td></tr> <tr><td style="height: 20px;"></td><td></td><td></td></tr> <tr><td style="height: 20px;"></td><td></td><td></td></tr> <tr><td style="height: 20px;"></td><td></td><td></td></tr> <tr> <td colspan="2" style="text-align: right; padding: 2px;">TOTAL</td> <td style="text-align: right; padding: 2px;">\$205.00</td> </tr> </table> <div style="margin-top: 5px;"> <small>t:\finance\accounts payable\paytag.xls\sheet1 Rev. 0510</small> </div>	Prepared By	Accounting Review	POST DATE	Vendor No.				SCHO01	Invoice Number (CK Req ID)	Invoice (CK Req) Date	Invoice (CK Req) Amount	CKRQ		\$205.00	NMWD Comment					Job Number	GL Account	Amount		56001-01-11	\$205.00													TOTAL		\$205.00
Prepared By	Accounting Review	POST DATE	Vendor No.																																						
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NMWD Comment																																									
Job Number	GL Account	Amount																																							
	56001-01-11	\$205.00																																							
TOTAL		\$205.00																																							

NORTH MARIN WATER DISTRICT CHECK REQUEST

PAYEE JOHN SCHOONOVER	
1160 Rosalia Drive	DATE <u>10/6/15</u> 10/21/15 (TODAY'S DATE)
Novato, CA 94947	AMOUNT: \$205.00

I attended the NBWA on 9/21/15
(NAME OF MEETING OR WORKSHOP) (DATE OF MEETING)

and wish to be compensated as provided under the Board Compensation Policy.

[Signature]
SIGNATURE

CHARGE TO: 56001-01-11


DISPOSITION OF CHECK

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☐ OTHER _____

APPROVED TO PAY BY _____

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Prepared By	Accounting Review	POST DATE	Vendor No.	 NORTH MARIN WATER DISTRICT
			SCHO01	

Invoice Number (CK Req ID)	Invoice (CK Req) Date	Invoice (CK Req) Amount
CKRQ		\$205.00

NMWD Comment

Job Number	GL Account	Amount
	56001-01-11	\$205.00
TOTAL		\$205.00

DISBURSEMENTS - DATED NOVEMBER 12, 2015

Date Prepared 11/10/15

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
P/R*	Employees	Net Payroll PPE 10/31/15	\$127,175.52
EFT*	US Bank	Federal & FICA Taxes PPE 10/31/5	51,635.10
EFT*	State of California	State Taxes & SDI PPE 10/31/15	9,268.86
EFT*	CalPERS	Pension Contribution PPE 10/31/15	32,982.19
EFT*	US Bank	October Credit Card Fees Incurred for Customer Online Payments	2,606.99
1	Able Tire & Brake	Tires (4) & Front End Alignment ('10 Ford F150) (\$926) & Rotors (2), Pads & Labor to Machine Rotors ('06 Chevy Colorado) (\$870)	1,796.32
2	Alliquip Universal	Throttle Cable (Vac Trailer)	143.69
3	Arce, Elmer	Refund of Deposit/ New Development/ WC Restriction- Novato	1,000.00
4	Athens Administrators	Oct Replenish Self-Insured Workers' Comp Account (Venegas)	5,774.93
5	AT&T	Leased Line	75.00
6	BKF Engineers	Progress Pymt#5: Provide Land Surveying Services for RW Exp Central Services (Balance Remaining on Contract \$780)	9,260.50
7	Bold & Polisner	Sept Legal Fees: AEEP Caltrans Reimb B3 (\$140), Asbestos Pipe Abandonment (\$127), Potter Valley Relicensing (\$1,326), Property Condemnation (\$19) & Tier Rates (\$37)	1,649.00
8	Building Supply Center	Razor Blades, Replacement Blades (5), Floor Scraper (25 Giacomini Rd), Light Bulbs (4), Deck Screws, Staples (50), Weed block Fabric (2-6 ft x 100ft) (\$120) (25 Giacomini Rd) & Pipe Cap	216.31
9		Cafeteria Plan: Uninsured Medical Reimbursement	98.00

Seq	Payable To	For	Amount
10	Carey, Andrew	Novato "Toilet" Rebate Program	100.00
11	Cel Analytical	Lab Testing	375.00
12		Cafeteria Plan: Uninsured Medical & Vision Reimbursement	360.00
13	Coale, Christopher & Helen	Novato "Washer" Rebate Program	50.00
14	Costco Wholesale	Pictures for AEEP Dedication	17.79
15	Cramer, Paul	Novato "Cash for Grass" Rebate Program	315.00
16	CWEA	Certification Renewal-Lab Analyst Grade 2 (Reischmann)(1/16-12/16) (Budget \$90)	86.00
17	DeGabriele, Chris	Expense Reimbursement: Oct Mileage	103.50
18	Diamantopoulos, George	Novato "Toilet" Rebate Program	300.00
19	Emery, Richard	Novato "Washer" Rebate Program	50.00
20	Environmental Resource Assoc	Lab Supplies for Annual Performance Testing Study	1,054.52
21	Evoqua Water Technologies	Service on Deionization System (Lab)	300.82
22	Fisher Scientific	Electrodes (2) (\$753), Bacteria Test, Vials (144) & Reagent for Chemical Tests (\$113) (Lab)	926.01
23	Ghilotti Construction	Progress Pymt#18: Construct AEEP Reaches A-D/MSN B3 Project (Balance Remaining on Contract \$797,350)	306,169.73
24	Golden Gate Petroleum	Gas (\$2.55/gal)	511.86
25	Grainger	Cat 5 Cable (1,000') (\$434), Knee Boots (11 pair) (\$566), Visors (50) (\$309), Light Fixture, Hip Boots (3) (\$312) Neoprene Boots (\$116) (STP) & Rain Boots	1,920.15
26	Hertz Equipment Rental	JD Excavator Rental (1 week) (Grossi's Creek)	1,220.12
27	Jim-n-i Rentals	1 1/4" Swivel Ring	297.69
28	Klatt, Kevin	Novato "Cash for Grass" Rebate Program	400.00
29	Middleton, Wesley	Novato "Washer" Rebate Program	50.00

Seq	Payable To	For	Amount
30	New Pig	Disposable Nitrile Gloves (40-4ml)	434.51
31	North Marin Auto Parts	Trailer Light Cord Plugs (2), Ratchet, Oil Filters (3), Air Filters (3) (\$30), Wiper Blades (4) (\$55), Motor Oil (13 qts) (\$49), Mechanic Gloves (6) (\$117) & Hitch Pin	499.25
32	Novato Lock	Rekey Lock (25 Giacomini Rd)	205.77
33	Novato Sanitary District	Semi-Annual Billing for Sewer Service (Admin Office/Yard)	1,962.36
34	O'Reilly Auto Parts	Brake Cleaner (48-14oz cans)	140.74
35	Pace Supply	Tube Nuts (6) (\$83), Hub Adapters (3) (\$233), DCDA Fire Check Assembly (\$1,383), Lug Nuts, Bolts (4), Cap, Flange (\$194), Couplings (6) (\$1,087), Meters (15) (\$433), Flange (2) & Meter Stops (8) (\$1,555)	5,196.26
36	Point Reyes Light	OM Sewer June Public Hearing Notice	79.50
37		Cafeteria Plan: Uninsured Medical Reimbursement	184.75
38	Scott Technology Group	Quarterly Maintenance on Engineering Copier (7/16-10/15/15)	541.00
39	Sebastopol Bearing & Hydraulic	Hose Reel Swivel ('13 Vacuum Trailer)	87.05
40	Shirrell Consulting Services	Aug (\$5,390) & Oct (\$5,764) Dental Expense	11,154.00
41	Strahm Communications	Novato Fall Waterline Printing (\$2,461) & Mailing (\$1,483) (18,700) (Less Credit of \$49 for Actual Postage Cost)	3,895.35
42	Synectic Technologies	Quarterly Charge for Maintenance Agreement on Phone System (10/6-1/15)	446.70
43	Vali Cooper & Associates	Progress Pymt#19: Construction Management Services for AEEP Reaches A-D/MSN B3 Project (Balance Remaining on Contract \$93,960)	51,563.33

Seq	Payable To	For	Amount
44	Western Truck Fabrication	Parts to Make Side Boards ('99 F350)	797.48
45	Wu, Franklin	Novato "Toilet" Rebate Program	100.00
TOTAL DISBURSEMENTS			<u>\$635,578.65</u>

The foregoing payroll and accounts payable vouchers totaling \$635,578.65 are hereby approved and authorized for payment.



Auditor-Controller

11/10/15

Date



General Manager

11/9/2015

Date

MEMORANDUM

To: Board of Directors
From: David L. Bentley, Auditor-Controller
Subj: Update - Bill Payment Options

November 13, 2015

RECOMMENDED ACTION: Information

FINANCIAL IMPACT:

- APS saves the District \$5,600 annually, and saves each APS customer \$3.24 annually (\$14,000 cumulatively)
- Email bills save the District \$5,800 annually
- Credit card payments cost the District \$18,800 annually

In May 1997 the District introduced the Automatic Payment Service (APS) program. The goal was to attract 8% (1,700) of District customers to pay their bill by direct Automated Clearing House (ACH) debit to their checking account. Today 4,336 customers (20%¹) participate, up 229 from one year ago. A message on the bill invites customers to sign-up for APS.

The APS bank charge in 1997 was 16.7¢ per transaction. Today the bank charge per transaction is 5.2¢², totaling \$1,350³ annually. The District's average cost to process a paper check via lockbox is 26.8¢⁴ (a significant reduction from the 75¢ processing cost prior to lockbox). Thus, APS eliminates over \$5,600⁵ annually in check processing cost. APS also saves each participating customer the cost of a 5¢ check and 49¢ postage six times per year (\$3.24).

In November of 2002 the District began collecting email addresses from customers who prefer to have their bill delivered over the internet. Now 1,876 customers (9%) receive their bill via email only, an increase of 255 from one year ago. The email bill eliminates the cost of paper statements, envelopes, printing and postage, which costs \$3.10⁶ per account annually, saving the District \$5,800 per year.

Finally, in response to customer demand, in August of 2006 the District began providing the option to pay the water bill by credit card. Over 1,250 payments per month (12% of customer payments) are now received by credit card, with payment via the District's website accounting for 81% of the transactions. The net cost of credit card transaction averaged \$1.52 per payment over the past year, which totals \$22,800⁷ annually to provide this service. Note that the District saves the 26.8¢ paper check lockbox processing cost on credit card transactions, which renders a net annual credit card transaction cost of \$18,800.

¹ 9/30/15 active accounts = 21,566 (Novato: 20,517; RW: 44; WM Water: 776; OM Sewer: 229).

² \$7/month flat charge divided by 6 batches (4 APS + 2 payroll) X 4 APS/mo X 12 months = \$56 divided by 26,016 (4,336 APS customers X 6 transactions/year) = 0.2¢ + 5.0¢/transaction = 5.2¢/transaction.

³ 5.2¢ X 4,336 APS Customers X 6 transactions/year = \$1,353.

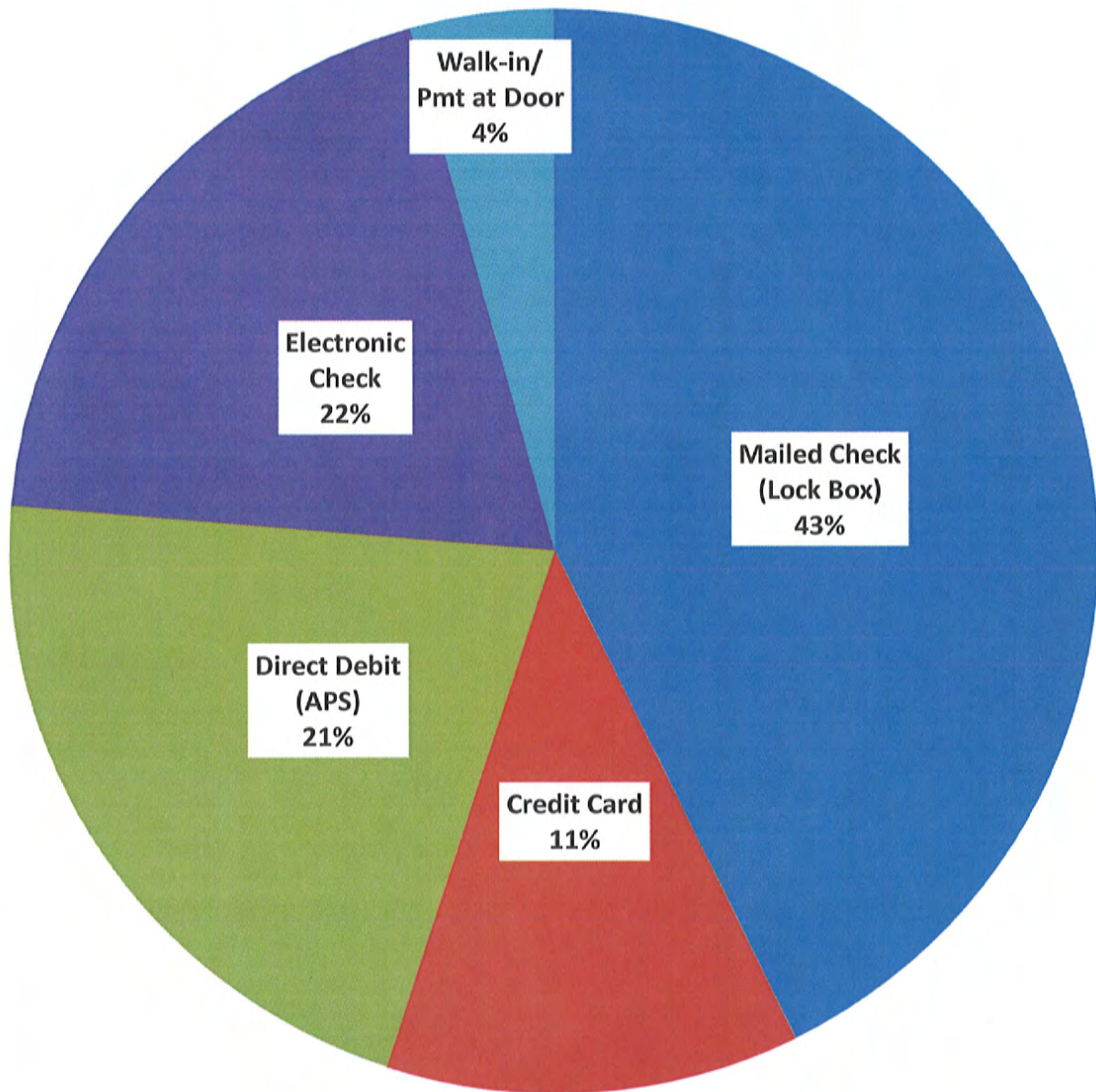
⁴ \$912/month flat charge divided by 3,831 payments/month plus 2.975¢/payment = 26.8¢/transaction.

⁵ (26.8¢ - 5.2¢) x 6 x 4,336 = \$5,619.

⁶ 12.4¢/bill + 39.2¢ average postage rate = 51.6¢ x 6 = \$3.10/year x 1,876 = \$5,816.

⁷ 15,000 payments annually X \$1.52 per transaction = \$22,800

Water Bill Payment by Type



MEMORANDUM

To: Board of Directors

November 13, 2015

From: Brad Stompe, Distribution and Treatment Plant Supervisor

Subject: Summary of 2015 Stafford Lake Fish Survey

P:\OPS SUP\Distribution Operator File\BRAD\Memos\Stafford Fishery\Stafford Fish Survey memo to Board 10-28-15.doc

RECOMMENDED ACTION: Information only

FINANCIAL IMPACT: None at this time

An electroshock fish survey was conducted at Stafford Lake during the evening of August 24, 2015 with the assistance of the Sonoma County Water Agency electroshock boat and crew of two headed by Shawn Chase. Pablo Ramudo and I filled out the crew from NMWD. The survey was conducted after dark (7 PM to midnight) to maximize results because the sampling occurs along the shoreline in ten feet of water or less.

I have included three graphs for each species of interest that compare the size distribution sampled in 2007, 2011 and 2015. When compared side by side for each species the graphs show how the size distribution has changed over the years. An additional graph is included that compares catch per unit effort of each species ranging from 2003 to 2015. Catch per unit effort is calculated based on number of fish collected per minute which allows for data to be compared from one survey to the next regardless of total time surveying. This method allows for a more accurate means of determining relative abundance as opposed to relying on counting total number of fish collected from each survey.

Summary:

The relative abundance of the lake's key species, bass and redear sunfish, has increased while the size distribution for both species has decreased. The condition of the fish was good indicating absence of disease or starvation. The high number of small fish indicates reproduction has been successful. This leaves the question of why aren't we sampling a larger number of catchable size fish? Though fishing pressure appears to be light, it could be that fishermen are removing the larger fish as they grow into the catchable range. Staff has also observed predation from otters in the lake feeding on catchable size bass. The good news is there is a healthy population of young fish that will continue to grow and provide for catchable size fish in the future. As an effort to increase the number of catchable size bass staff applied for a permit from California Department of Fish and Wildlife to purchase and stock bass in 2013. The permit was denied based on the fact that there are threatened steelhead trout in Novato Creek.

It is worth noting that the crappie population boom observed in 2011 has decreased to a level more in balance with the other species in the lake. It is assumed that the population now

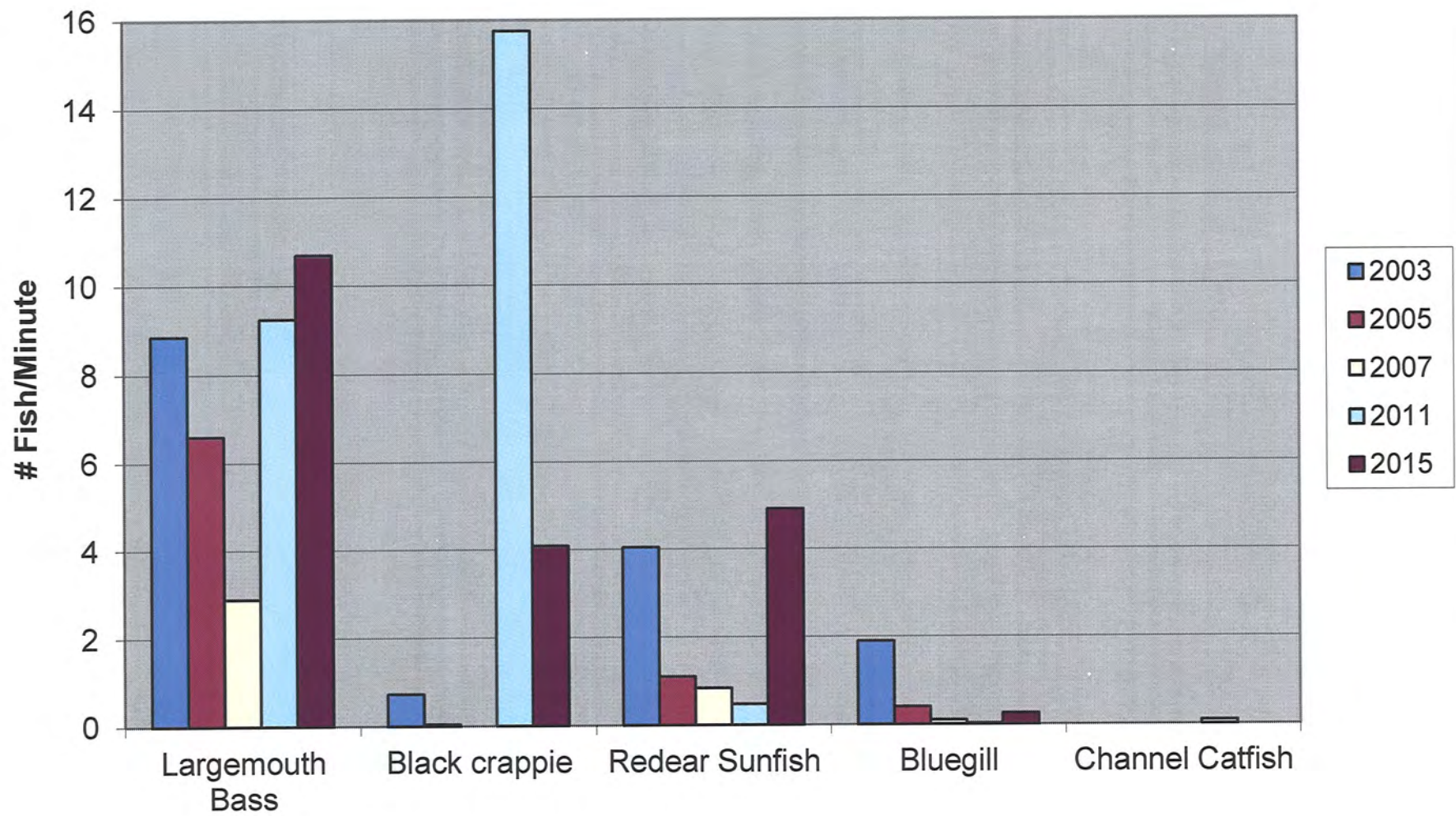
decreased through natural predation from larger fish, white pelicans and cormorants as the lake draws down in the fall. Some of the crappie sampled this year are just reaching catchable size.

The large redear sunfish that have been sampled in the past were conspicuously absent this year. It is believed that the factors affecting the catchable size bass are also at play with the redear. No catfish were sampled which was disappointing but not entirely unexpected. We only have one survey where catfish were sampled and there were only four sampled. Future surveys will help determine the likelihood of catfish being sampled. In 2013 and 2014 small catfish showed up in the treatment plant contact basin (having been pulled in from the lake intake tower) indicating that catfish are reproducing. This is a good indication that we may have a sustainable fishery for this species.

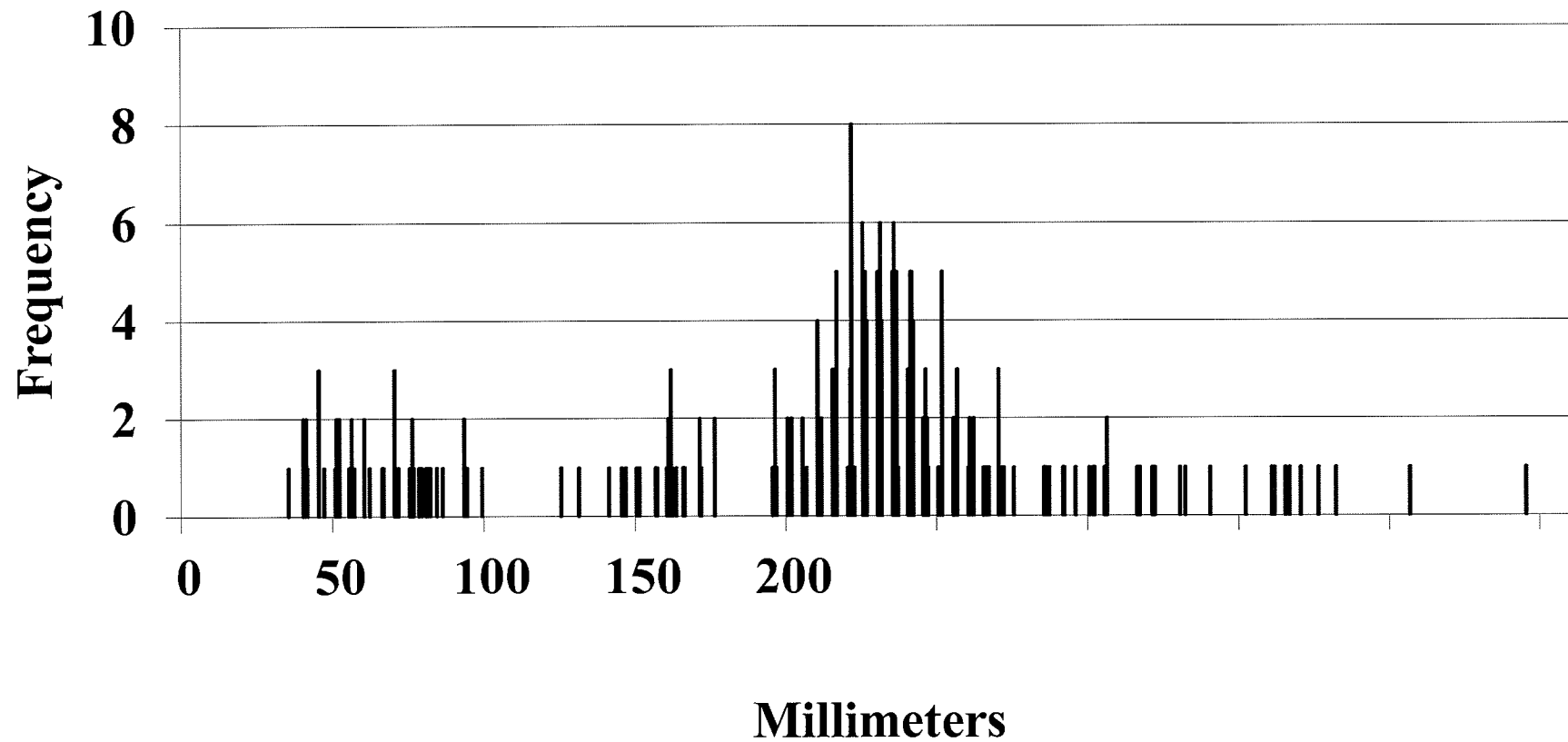
Conclusion:

The good news is all of the fish species of interest appear to be reproducing successfully assuring sustainable populations. The bad news is the trend in fish size is currently headed down. Without a stocking permit we no longer have the ability to supplement with catchable size fish. Other techniques employed to sustain larger fish include increasing the size limit and/or decreasing the bag limit to fishermen. More fish habitat added to the lake could also help in reducing natural predation. Another option is to do nothing and let the fishery cycle naturally. As fewer fish are available for take, fewer fishermen and predators visit the lake. Over time larger fish begin to increase in number which will ultimately result in improved fishing.

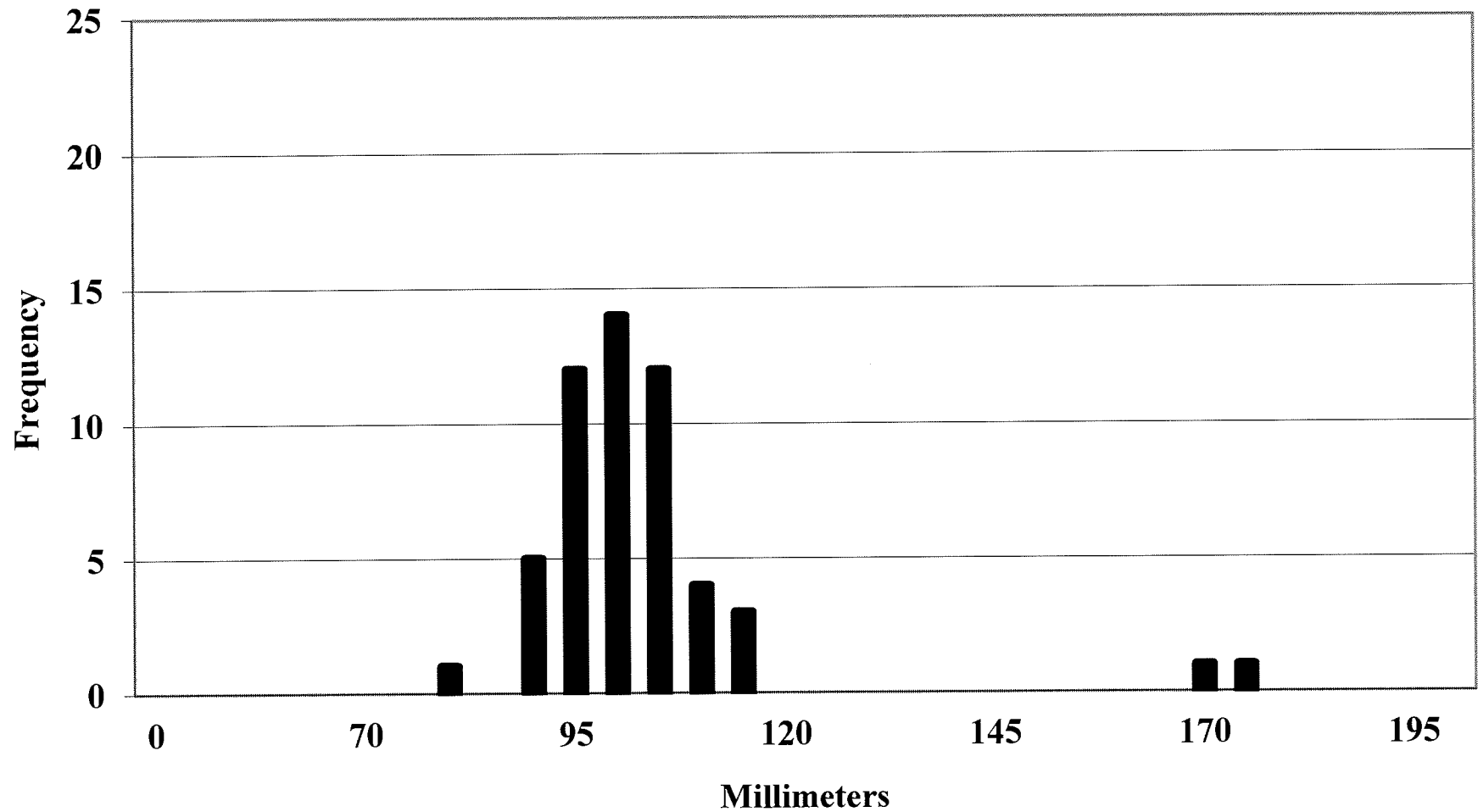
Catch Per Unit Effort



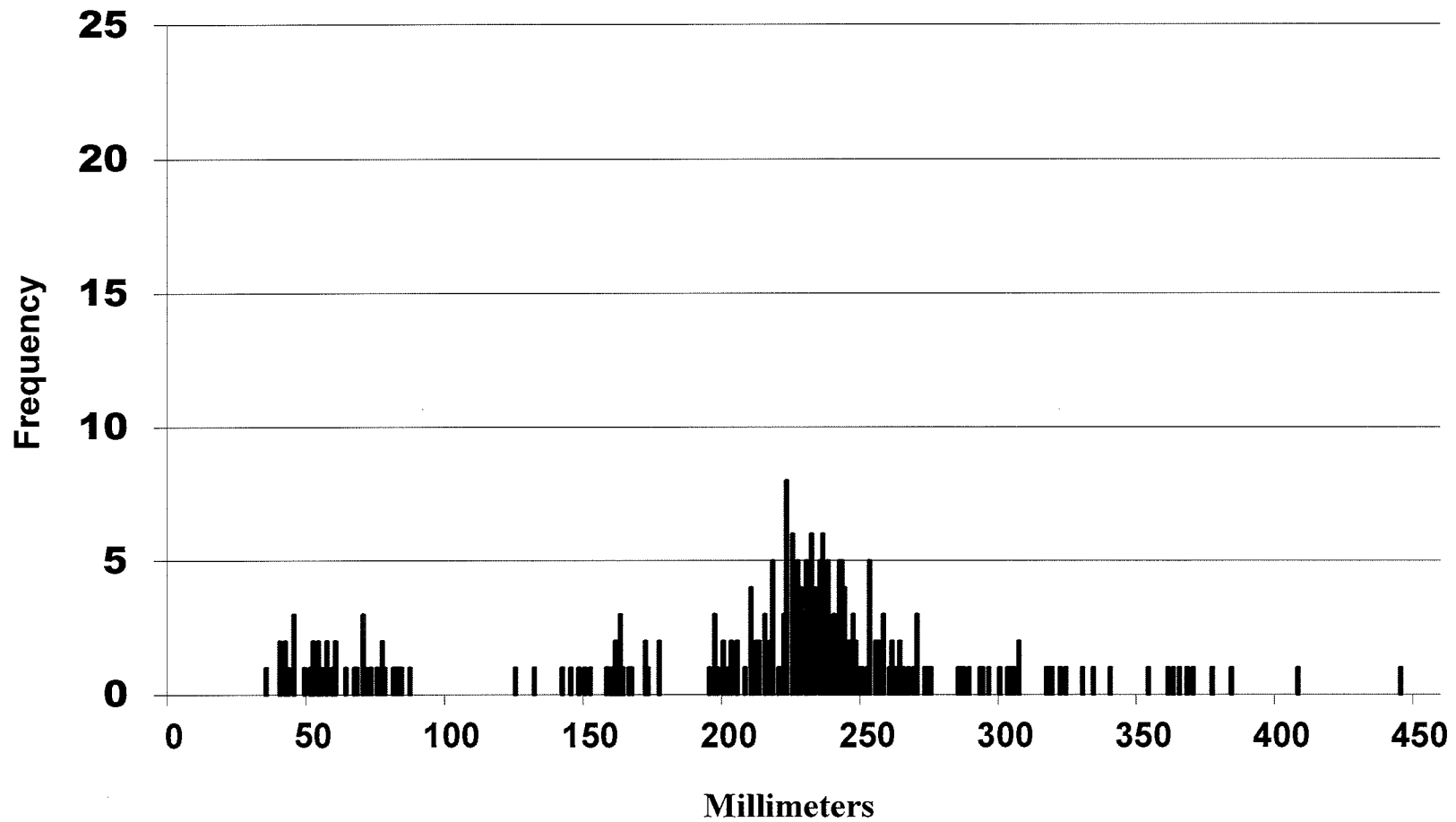
**Bluegill Length-Frequency
Stafford Lake, July 2007**



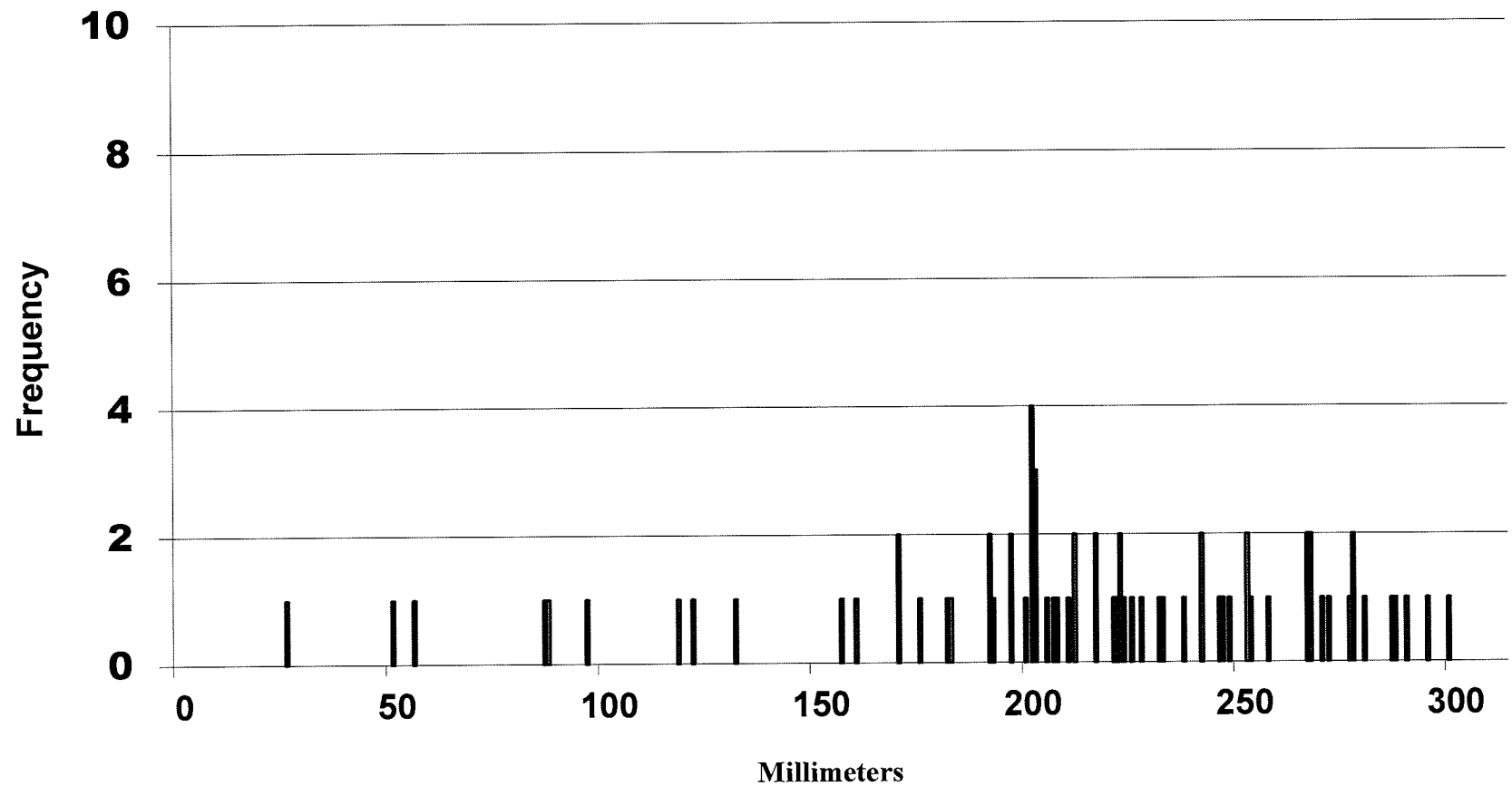
**Black Crappie Length-frequency 2003,
Zero Crappie sampled in 2007**



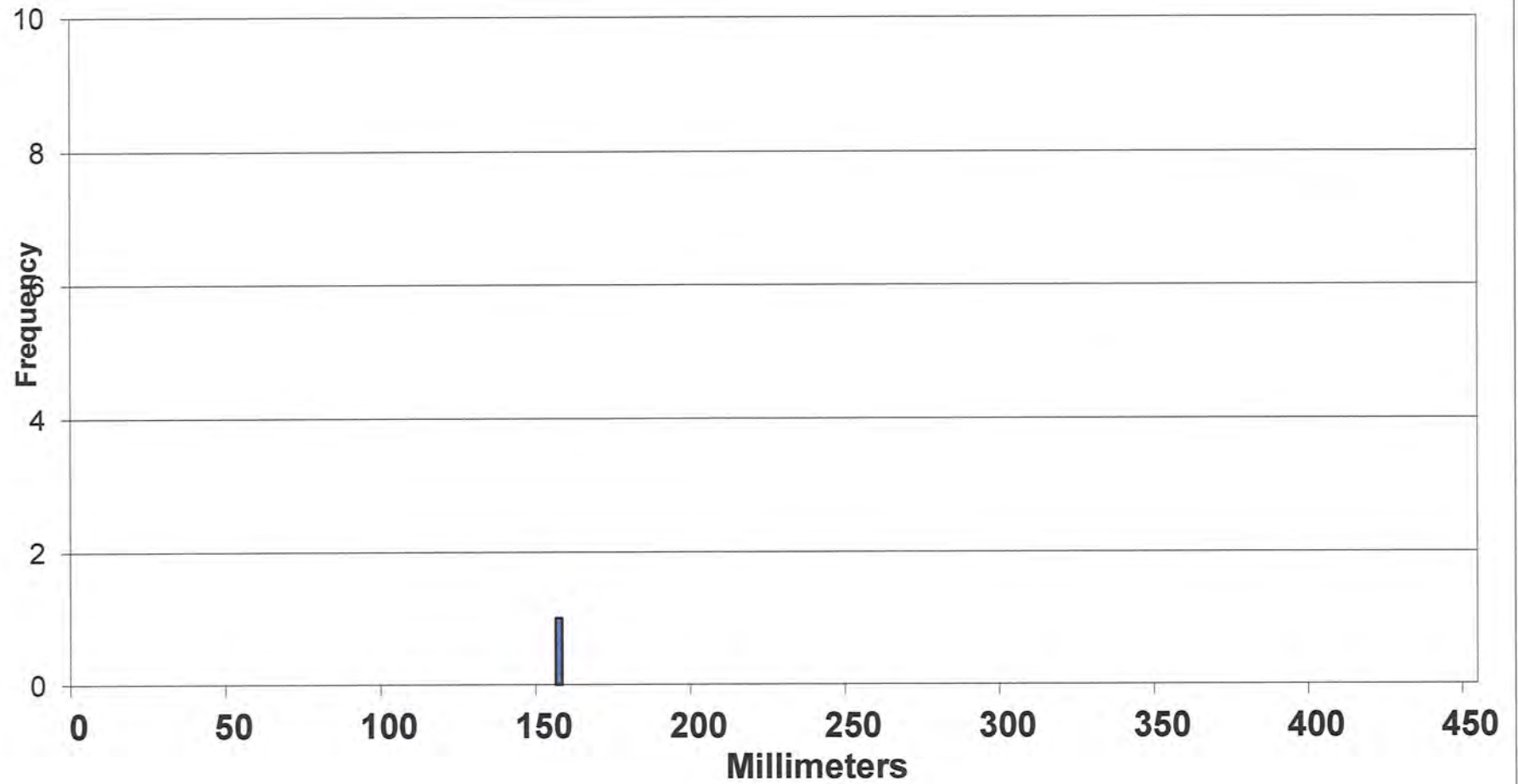
**Largemouth Bass Length-Frequency, July 2007
Stafford Lake**



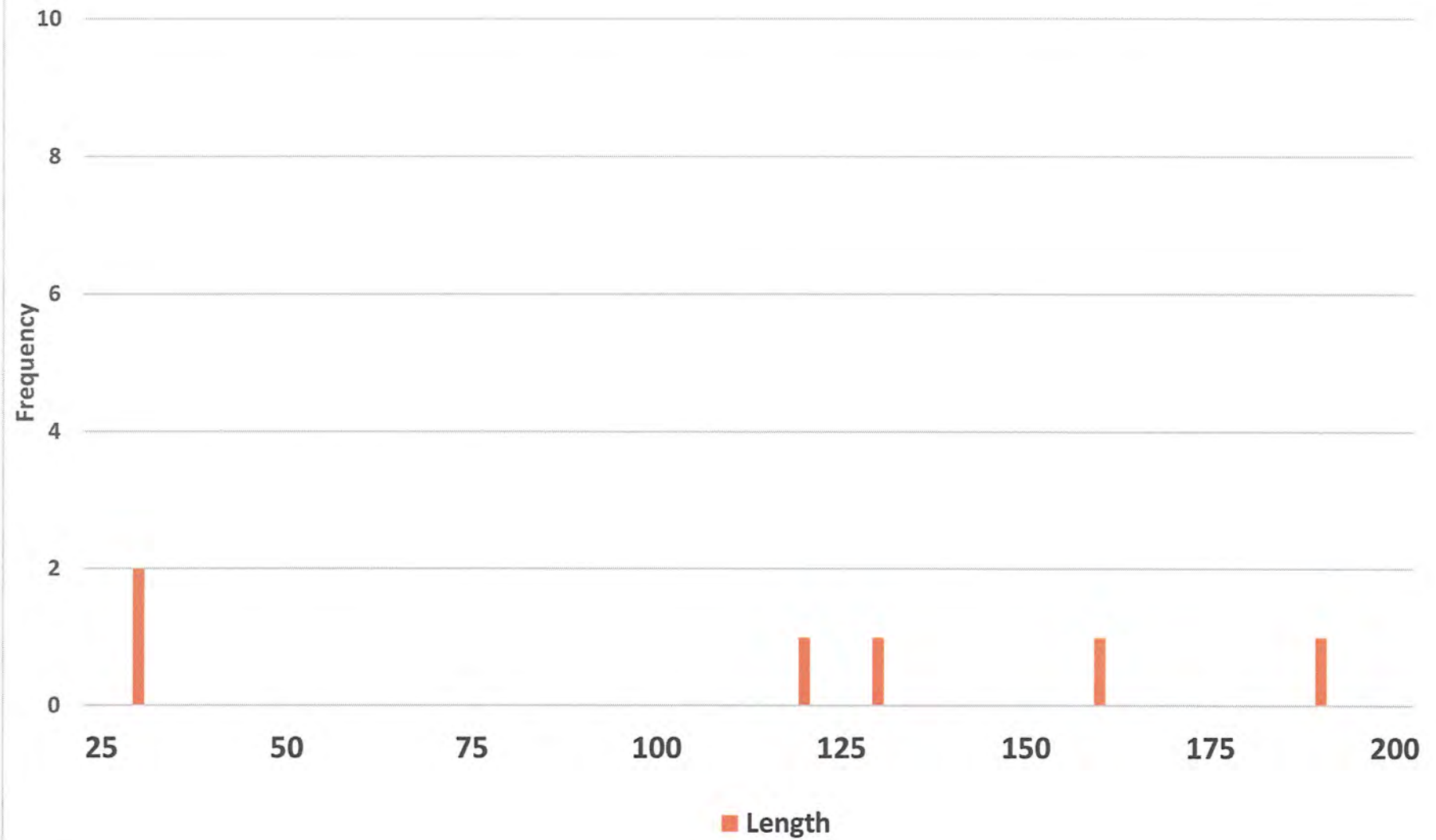
Redear Length-Frequency, July 2007
Stafford Lake



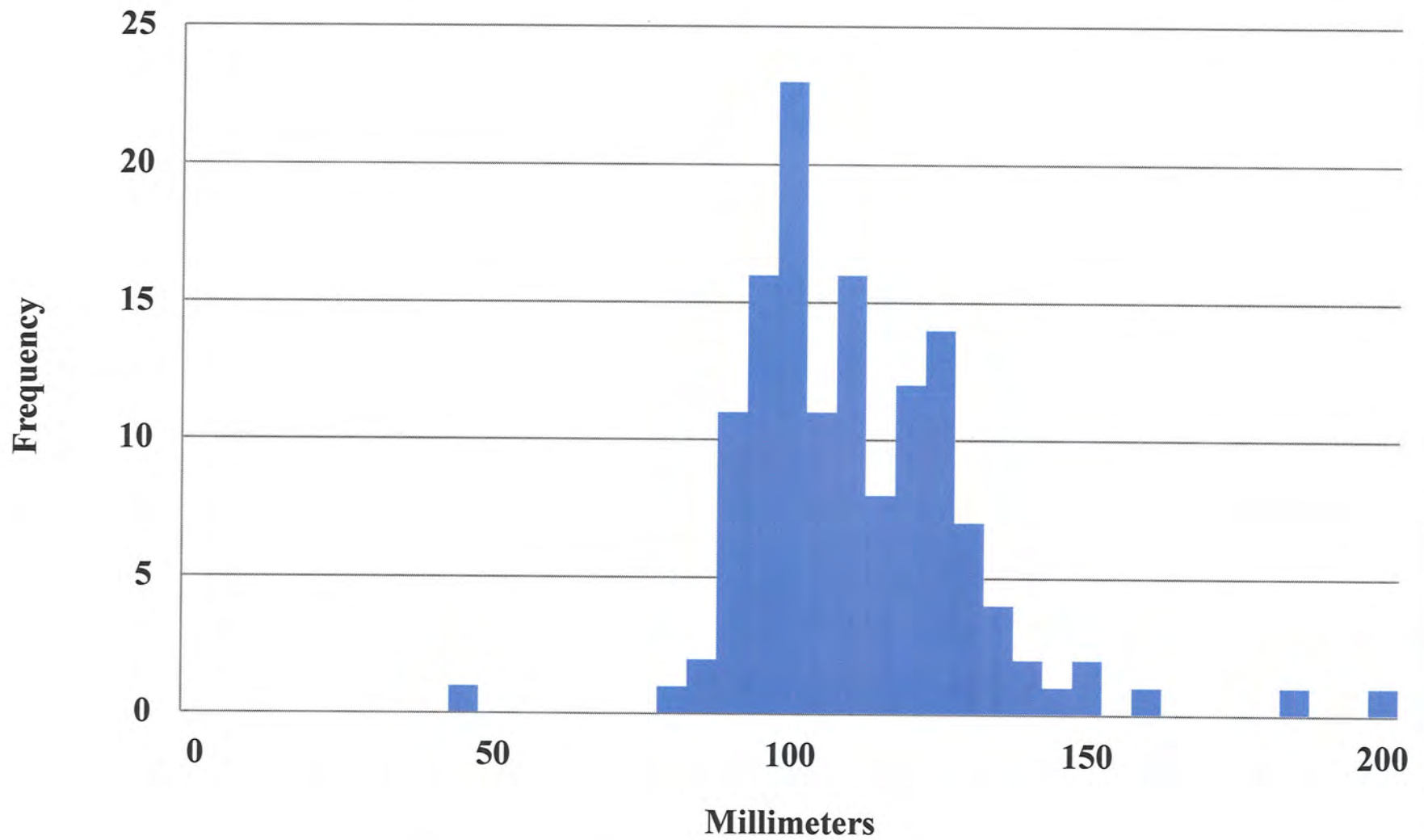
Bluegill, August 2011



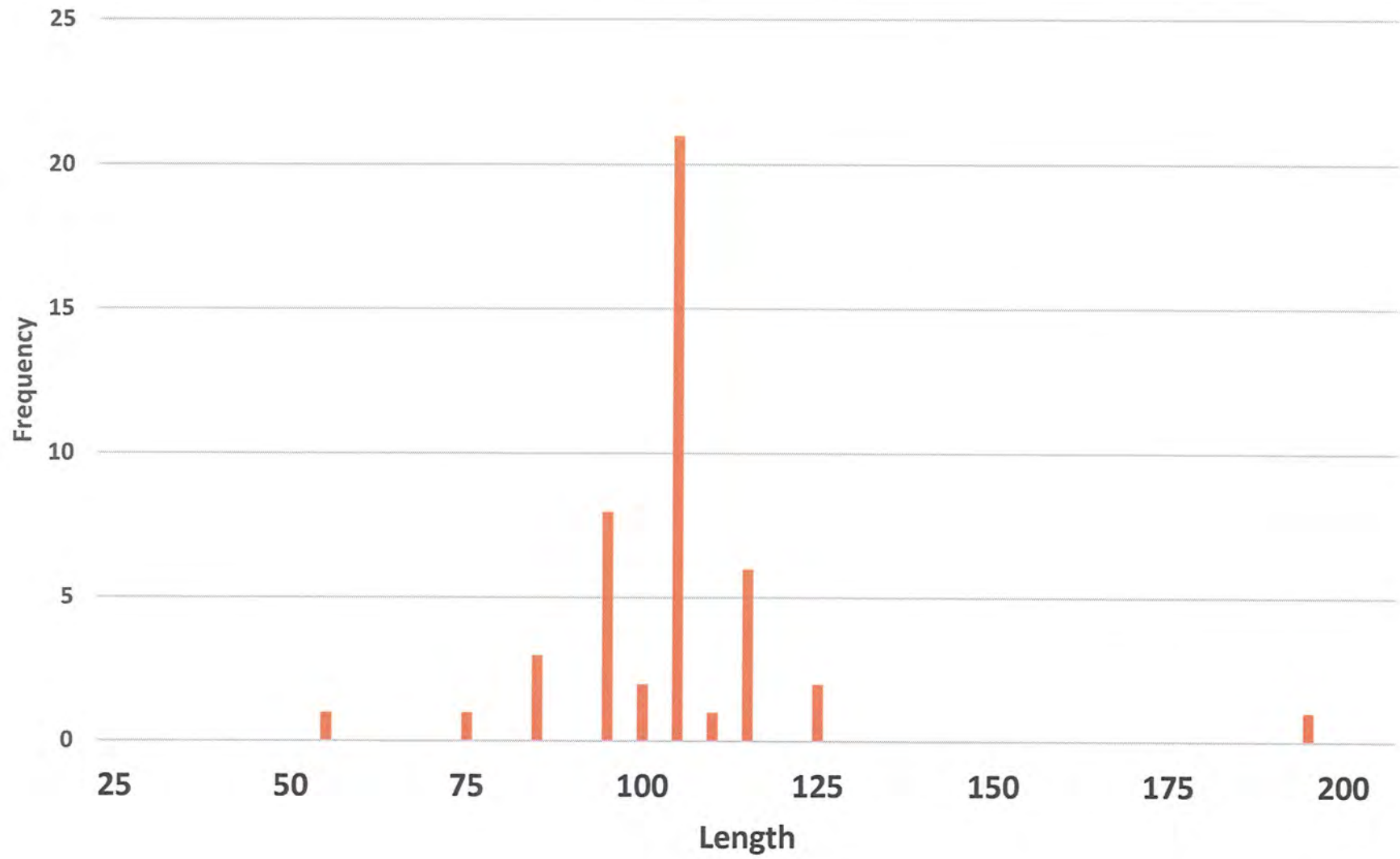
Bluegill, August 2015



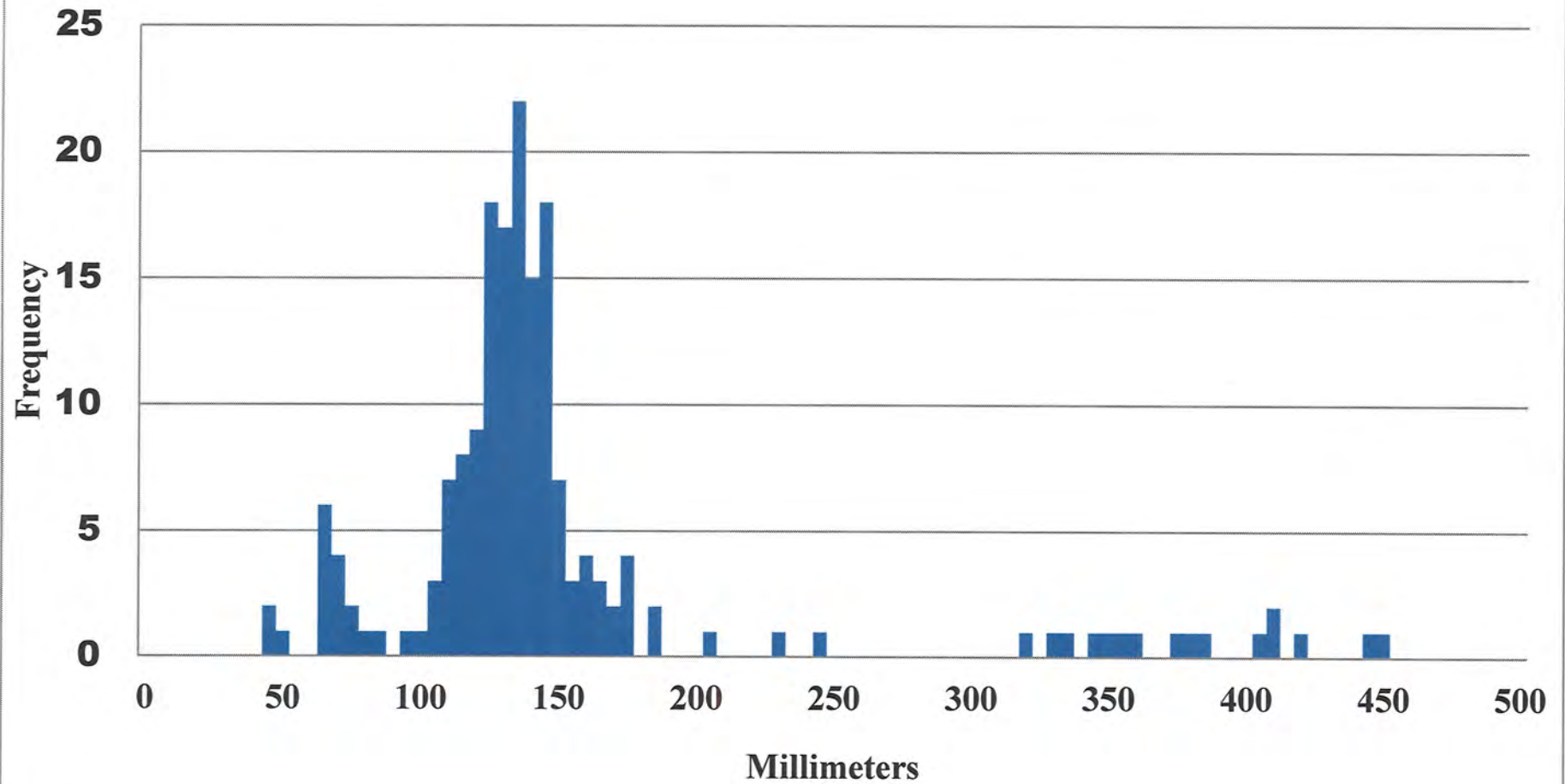
Black crappie, August 2011



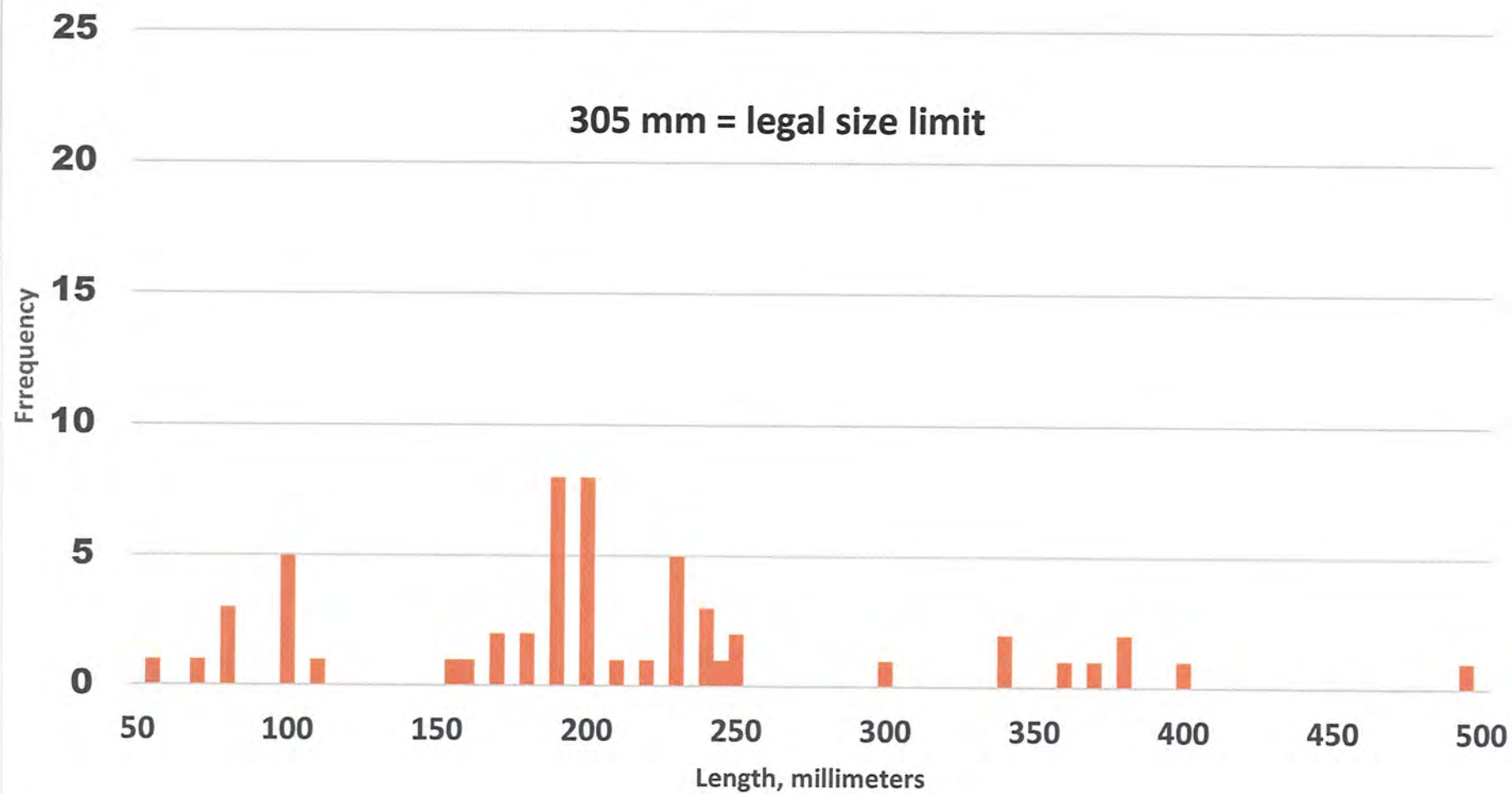
Crappie, August 2015



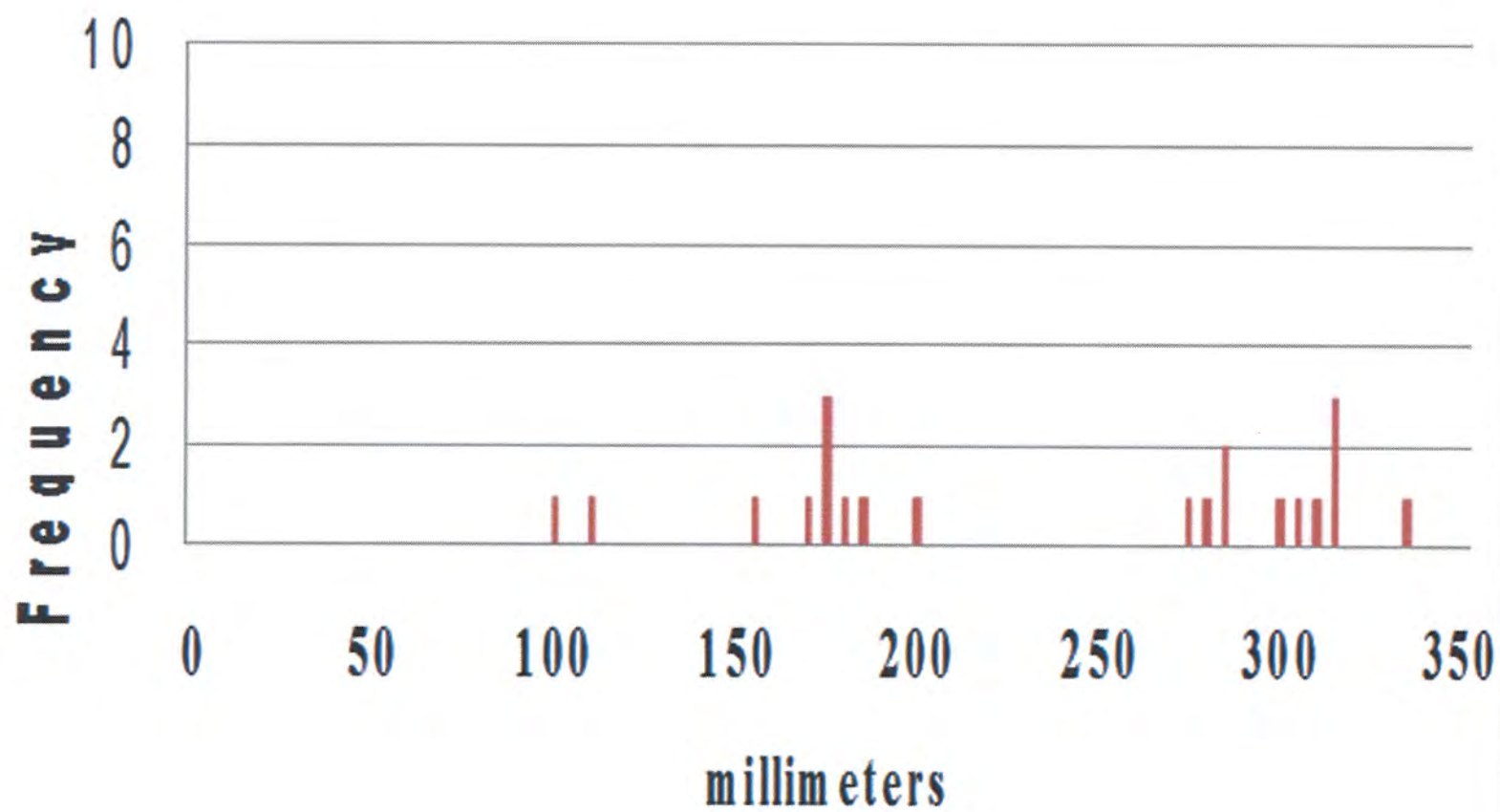
Largemouth bass, August 2011



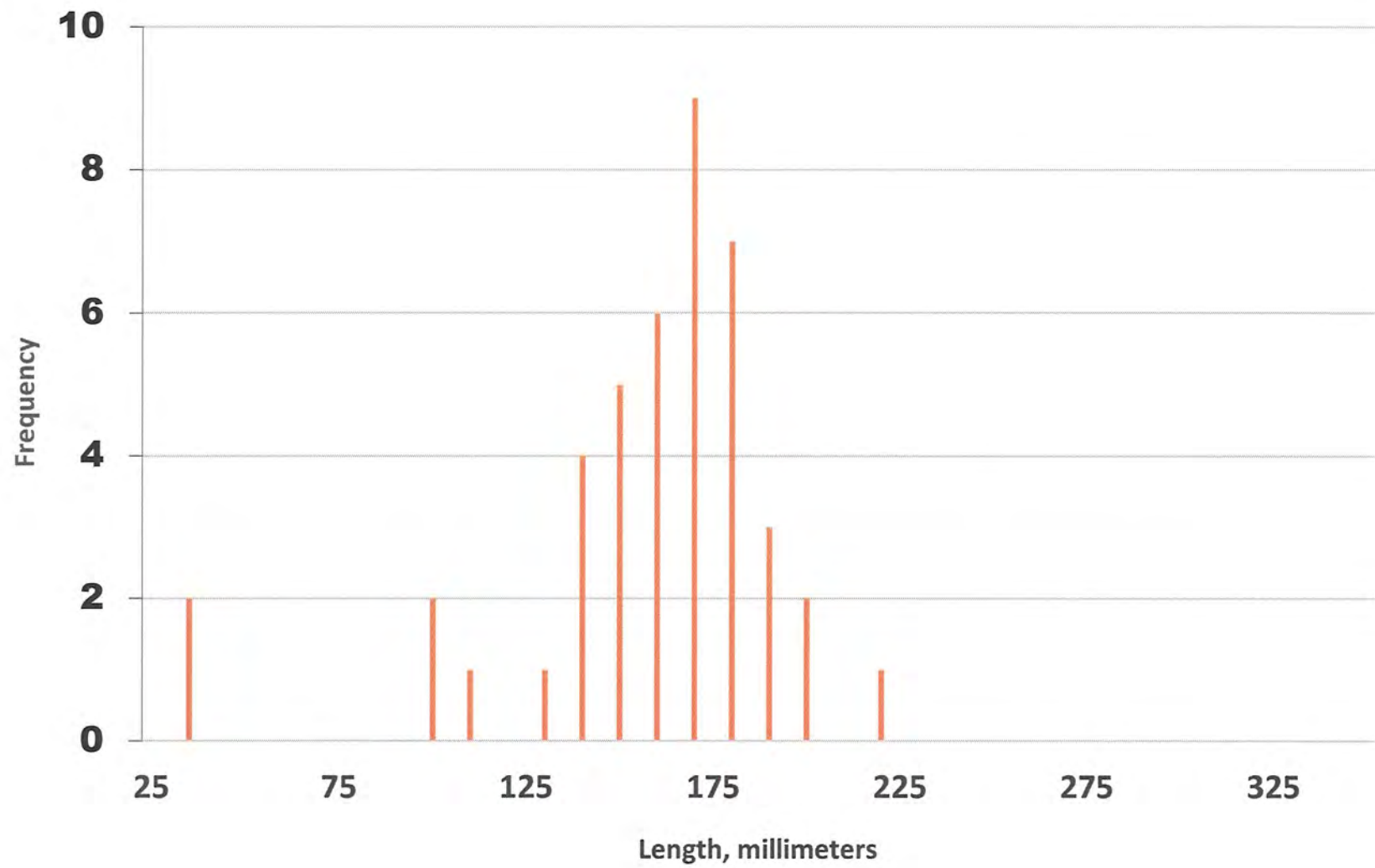
**Largemouth bass
August, 2015**



Redear sunfish, August 2011



Redear, 2015



Please Join Us
for the
North Bay Watershed Association
Conference

2016

SAVE THE DATE

The Future of Water is Now: Innovation, Integration, Adaptation

Friday, April 22, 2016

Embassy Suites

1075 California Boulevard
Napa, CA 94559

8:00AM to 4:30 PM

8:00AM Registration
9:00AM Opening Presentation
12:30PM Lunch
3:30PM Networking and wine
tasting provided by
Saintsbury



**NORTH BAY
WATERSHED ASSOCIATION**

Conference Objective:

The conference will bring together key participants from around the North Bay to focus on how we can work together to manage our water resources.

Who Will Attend?

Public officials, leaders in environmental organizations, science and business.

Keynote Speakers

Lois Wolk, Senator, 3rd District
Jared Huffman, U.S. Congressman, California 2nd District

Register Online Soon

Early Bird rate through January 31, 2016: 85 per person
Regular rate begins February 1, 2016: \$95 per person
Register online soon!

Sponsor Opportunities are available!

Contacts

- Event Coordinator:
Frances Knapczyk at (707)252-4188 x116
or Frances@naparcd.org
- NBWA Assistant to Executive Director:
Elizabeth Preim-Rohla at (415) 945-1475
or nbwa@marinwater.org

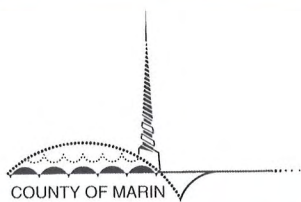
 COUNTY OF MARIN
DEPARTMENT OF PUBLIC WORKS
PO Box 4186
San Rafael, CA 94913-4186
www.marincounty.org

FIRST CLASS MAIL
U.S. POSTAGE
PAID
COUNTY OF MARIN

DE GABRIELE CHRIS
44 MONTE VIS
NOVATO CA 94947

This mailing is sent to the listed property owner. Please distribute to onsite tenants for their preparedness information and use.

9494782017 Coll



GENERAL INFORMATION:

FEMA www.floodsmart.gov/floodsmart

Marin County Flood Control & Water Conservation www.marincounty.org/depts/pw/divisions/flood-control

Marin County Watershed Program www.marinwatersheds.org

Marin County www.marincounty.org

National Weather Service www.floodsafety.noaa.gov

CONTACT INFORMATION:

For unincorporated area of Marin

Marin County Public Works, Land Development 415-473-3755

Marin County Community Development, Building & Safety 415-473-6550

* For residents of cities and towns, please contact your community Public Works Department for more information.

EMERGENCY INFORMATION:

Real time rainfall, creek stage, and weather data www.Marin.OneRain.com

Marin County Sheriff Office of Emergency Services www.marinsheriff.org

Alert Marin www.AlertMarin.org

Get Ready www.ready.gov/floods

LOCAL PUBLIC WORKS

DEPARTMENT CONTACTS:

Listed from Southern Marin to North Marin

Sausalito 415-289-4113

Mill Valley 415-384-4800

Tiburon 415-435-7399

Corte Madera 415-927-5057

Larkspur 415-927-5017

San Rafael 415-485-3355

Ross 415-453-1453

San Anselmo 415-258-4654

Fairfax 415-458-2370

Novato 415-899-8246

Marin County Flood Control and Water Conservation District



WINTER IS COMING... ARE YOU PREPARED? GET FLOOD WISE, MARIN!

BEFORE, DURING, AND AFTER THE STORM

Marin County has a long history of flooding. The mountainous geography that makes our area so beautiful also makes us susceptible to flooding, especially during the rainy winter months. In our history, the rain storms of 1986, 1998, 2005, and 2006 caused significant damage. Our creeks can overflow and cause flooding, especially when combined with high tides or blocked drainage systems. During El Niño years, tides are expected to be higher and result in tidal flooding along the shoreline.

**You are receiving this brochure because your property is in or near a flood-prone area.
Preparation is key.**

BEFORE A BIG STORM

KNOW YOUR FLOOD HAZARD

Do you know if your property is located in a Special Flood Hazard Area? Find out by calling your community Public Works Department for your flood coordinator. Unincorporated Marin County flood information is available at 415-473-3755 and you can visit the website www.marinmap.org.

PROTECT YOURSELF & YOUR FAMILY

GET EMERGENCY ALERTS
Communities of Marin
REGISTER YOUR CELL OR VOIP



Have you signed up to receive emergency alerts? If you live, work or go to school in Marin County, and are 18 years old and over, you can register to receive emergency alerts sent from the

County of Marin by phone, text, email, or even an app on a smart phone. Emergency officials use the Alert Marin System to deliver incident-specific information or potentially life-saving instructions to the precise geographic area(s) affected. To register, go to www.AlertMarin.org.

Preparing makes
good sense.

- know your risk
- make a plan
- get a safety kit
- get involved
- stay informed

During times of heavy rain, be observant of flooding in your neighborhood and report any problems to your city or county.

COUNTY FLOODPLAIN INFORMATION SERVICES

Did you know that the County of Marin provides free services? As a public service, County of Marin staff will provide basic information from the FEMA Flood Insurance Rate Maps (FIRMs). Contact your community representative for additional flood information, such as known drainage issues, levee or dam inundation areas, areas of predicted flooding areas due to sea level rise, and areas of repetitive loss as reported to FEMA. Staff is available to perform site visits, provide information on reducing flood risk, and available financial assistance. The Marin County Department of Public Works maintains copies of elevation certificates for unincorporated areas. Build in accordance with County codes and FEMA recommendations for flood protection, and get required permits for work.

If you live in unincorporated areas of Marin County, and have any questions or would like additional information, visit our Land Development offices located in Room 308 and the Marin County Civic Center, 3501 Civic Center Drive in San Rafael. Or you can call us at 415-473-3755, email DPWLandDevEngineer@MarinCounty.org and visit our website www.marinwatersheds.org.

If you live within one of our cities or towns, please contact your local Public Works Department for your flood representative.

INSURE YOUR PROPERTY

Did you know that homeowner's insurance does not cover flood damage? Flooding is not covered by standard insurance policies. Whether you are a property owner or renter, a flood insurance policy is critical to protecting your home or business. Even a few inches of water can result in thousands of dollars in repair and restoration costs. Marin County participates in the National Flood Insurance Program (NFIP), which makes federally backed insurance available for all structures. Contact your insurance agency for more information or visit the website www.FloodSmart.gov.



DURING THE STORM

- Tune to local radio or televisions stations for emergency information.
- Avoid areas that are subject to sudden flooding.
- If you are in a car, do not drive through a flooded area. If your car stalls, abandon it, if you can safely do so, and seek higher ground.
- Please do not cross a flowing stream where water is above your knees. Even water as low as 6 inches deep may cause you to be swept away by strong currents.
- Do not sightsee in flooded areas or try to enter areas blocked off by authorities.
- If flooding is likely, and time permits, move valuable possessions to the upper floors in your residence or business.
- Be prepared to evacuate, and if advised to evacuate, do so immediately.

AFTER THE STORM

- Do not turn gas back on by yourself. Please rely on utility crews.
- Do not use fresh foods or canned goods that have come in contact with flood water.
- Follow local instructions regarding the safety of drinking water. If in doubt, boil or purify water before drinking.
- Avoid disaster areas; your presence could hamper rescue and other emergency operations, and you may be in danger.
- Do not handle live electrical equipment in wet areas. If electrical equipment or appliances have been in contact with water, have them checked before use.
- Avoid downed power lines and broken gas lines. Report them immediately to the electric or gas company, police or fire department.
- Use flashlights but not lanterns, matches or candles, to examine buildings because flammables may be inside.

PREPARATION CHECKLIST

Use the checklist below to track how close you are to getting FLOOD WISE. Post this checklist on your refrigerator and check off the items as you complete them.

- ☐ Register your cell number with www.Alert.Marin.org
- ☐ Know your flood hazard
- ☐ Insure your property
- ☐ Make a family emergency plan visit www.ready.gov/make-a-plan
- ☐ Create a safety kit with drinking water, canned food, first aid supplies, blankets, radio, flashlight, and batteries
- ☐ Ask an out-of-state relative or friend to be your emergency contact
- ☐ Create a personal flood file with a copy of insurance policies
- ☐ Keep an inventory of household items and valuables
- ☐ Mark your fuse box to show circuits to floodable areas
- ☐ Install HVAC equipment and proper ventilation above the base flood elevation
- ☐ Clean the drains around your home; including roof gutters, drain inlets, downspouts, pipes, and drainage ditches
- ☐ Keep our creeks and storm water drainage systems clear by always removing leaves and debris
- ☐ Tune to local radio or televisions stations for emergency information.
- ☐ Be prepared to evacuate, and if advised to evacuate, do so immediately

Thank you for taking the time to read these safety tips to help prepare and protect you, your loved ones, and our communities from the risk of a flood.

If you require materials in alternate forms, please call 415-473-4381(voice), CRS 711 or email disabilityaccess@marincounty.org.



Merchants prepare for stormy weather by protecting storefronts with sandbags and floodgates.

PROTECT OUR COMMUNITIES

Did you know local street flooding is often caused by blockage of local drainage systems? If leaves and other waste block the flow of water into storm drains, what starts as a puddle can soon flood a whole street. Debris and waste that washes through the drainage system can cause environmental damage to our creeks and the San Francisco Bay.

- Instead of leaving yard debris in the street, keep our creeks and stormwater drainage systems clear by composting leaves and organic yard debris, which could obstruct the flow of water. Composting not only protects our storm drains, but also benefits our communities and the environment.



- Protect our communities and our sensitive waterways and habitat by preventing hazardous waste from going into the storm drain. Take your chemicals, paints, and motor oil to a local recycling facility (www.zerowastemarin.org).

Special Thanks

Event Committee

Cathy Capriola
Peggy Flynn
Vickie Gerber
Sheri Hartz
Laura McDowall



Farewell Event for



**City Manager
Michael S. Frank**

November 5, 2015

Michael



Program

Welcome and Introductions

Dan Weakley, Master of Ceremonies

Tributes

City Proclamation

Read by City Clerk Sheri Hartz

Board of Supervisors Proclamation

5th District Supervisor Judy Arnold

Proclamation from Assemblymember Levine

Matt Zweier, Field Representative

Executive Management Team

Assistant City Manager Cathy Capriola and
Executive Staff

Friends and Family

Deanna Euritt, Novato Human Needs

Cheryl Paddack, Novato Youth Center

Andy Podshadley, Trek Winery

Diet Stroeh, CSW ST2 Founder/Friend of Novato

David Adams & Eliana Frank

City Council Presentation

Mayor Jeanne MacLeamy

Key to the City

Councilmember Presentations

Michael's Remarks

Marin residents reach overall state-mandated water saving goals

By **Mark Prado**, *Marin Independent Journal*

POSTED: 11/05/15, 8:58 PM PST | UPDATED: 5 HRS AGO 0 COMMENTS

Marin residents are maintaining water savings mandated by the state, although the savings were less for some users in October when the county experienced several warm days.

But with hot temperatures on the wane, water savings could increase in the coming months.

State mandates issued in May required the Marin Municipal Water District to cut use by 20 percent and the North Marin Water District by 24 percent beginning June 1. The state developed those percentages by looking at per-capita water use. The higher the water use, the more a community had to cut back.

In October, Marin Municipal users slipped below 20 percent to 17.3 percent water savings compared with September 2013, the baseline year the state is using to measure conservation efforts. That was the last year California was not in drought.

But the district's cumulative decrease is 21 percent since June, still above the state conservation standard of 20 percent.

"While September and October are a little below the mark, those two months are balanced out by the higher June and July figures," said Libby Pischel, district spokeswoman.

Customers conserved 26 percent in June, 23 percent in July, 20 percent in August and 18.3 percent in September.

The agency has 190,000 customers between Sausalito and San Rafael. The water in district reservoirs is 103 percent of average for this time of year, in part because of conservation efforts.

October data for the North Marin Water District's Novato service area show a 28 percent reduction from the same month in 2013. The North Marin Water District serves 60,000 customers in Novato and West Marin.

North Marin gets 80 percent of its water from the Sonoma County Water Agency. The district's customers conserved 37 percent in June, 34 percent in July, 24 percent in August and 38 percent in September. During the period the district's customers averaged a 32 percent savings.

"Each month since June, Novato customers exceeded the State Water Resources Control Board conservation standard and are on track to reach the cumulative (June through February) total in early November," said Chris DeGabriele, general manager for the district.

The new water saving rules remain in effect until February 2016. Weather forecasters say a wet El Niño winter could be in store for the state and bring some drought relief.

"We're hopeful for an ample rainy season," DeGabriele said.

In April the Marin Municipal board passed new rules requiring residents and businesses with irrigation systems to use them only three days a week. There also is a ban on using the systems 48 hours after measurable rainfall.

North Marin's board approved similar measures in May. Its rules differ in that homes and buildings with odd-numbered addresses can only water Monday, Wednesday and Friday. Even-numbered addresses water Tuesday, Thursday and Saturday. All watering is limited to between 7 p.m. and 9 a.m., as with Marin Municipal customers.

Advertisement

Legal Notice

Legal Notice

NOTICE OF INTENT TO CIRCULATE PETITION

Notice is hereby given by the persons whose names appear below of their intent to circulate a petition within the MMWD.

The Text of the Initiative Measure is as follows:

The Marin Municipal Water District (MMWD) shall institute a moratorium on all District water fluoridation unless and until such time as each and every manufacturer of the fluoridating chemical supplied to MMWD for water fluoridation, provide to District customers and consumers: 1) an accurate list of all contaminants and their amounts, accompanying each batch of fluoridating chemical supplied to the MMWD, and 2) a detailed toxicological report on the fluoridating chemical, and 3) a written statement verifying the fluoridating chemical's safety for ingestion, once introduced into the water supply, by all water consumers.

/s/ Lawrence Rose
Lawrence Rose, MD, MPH
Occupational/Environmental Medicine
197 Lovell Avenue
Mill Valley, CA 94941

/s/ Brian J. Smith
Brian J. Smith, DDS
Marin Dental Wellness
55 La Goma Street
Mill Valley, CA 94941

INITIATIVE MEASURE TO BE SUBMITTED DIRECTLY TO THE VOTERS

The General Counsel of the Marin Municipal Water District has prepared the following title and summary of the chief purpose and points of the proposed measure:

Summary of Purpose and Points

AN INITIATIVE TO INSTITUTE A MORATORIUM ON ALL MARIN MUNICIPAL WATER DISTRICT WATER FLUORIDATION PENDING PROVISION OF INFORMATION ON FLUORIDATING CHEMICAL

The proposed measure is an initiative that, if approved by the voters, would require the Marin Municipal Water District (District) to institute an immediate moratorium on all District water fluoridation until certain information regarding the fluoridating chemical is provided to District customers.

Water fluoridation is the process of adjusting the fluoride content of the drinking water to the recommended level for dental health. The District uses hydrofluorosilic acid to increase the naturally occurring level of fluoride in the District's drinking water to approximately 0.7 mg/L. The District fluoridates pursuant to requirements of local and state law. The District began fluoridating its water system in December 1973, following the passage of a public initiative supporting fluoridation. In 1978, the voters passed a ballot measure reaffirming the District's fluoridation practice. In 1995 and as amended thereafter, a State Law was enacted as part of the California Health & Safety Code generally requiring fluoridation of public water systems within California. In general, the State Law requires a water system with 10,000 service connections or more to operate and maintain a fluoridation system if authorized funding sources are available for such purpose. The District has 10,000 or more service connections.

If approved, the local initiative would, to the extent not preempted by State Law, impose a District moratorium on water fluoridation that would remain in place unless and until such time as each and every manufacturer of the fluoridating chemical supplied to the District for water fluoridation provides to District customers and consumers:

1. An accurate list of all contaminants and their amounts, accompanying each batch of fluoridating chemical supplied to the District.

2. A detailed toxicological report on the fluoridating chemical, and

3. A written statement verifying the fluoridating chemical's safety for ingestion, once introduced into the water supply, by all water consumers.

If these documents are provided, then the moratorium would be lifted and the District would resume fluoridating the water. If these documents do not exist, or the manufacturer or manufacturers chose not to provide them then the moratorium would continue and the District would not resume fluoridating the water.

/s/ Mary R. Casey
Mary R. Casey, General Council
Marin Municipal Water District
220 Nellen Avenue
Corte Madera, CA 94925
NO. 1287 NOVEMBER 11, 2015

Marin 15
11/11/15

Marin Municipal water bills set to soar 27 percent

A section of pipe is moved into position in San Rafael in 2012. The need to replace pipelines is among reasons cited for rate increases by the Marin Municipal Water District. IJ archive photo — Alan Dep

By Nels Johnson, *Marin Independent Journal*

POSTED: 11/07/15, 6:51 PM PST | UPDATED: 17 SECS AGO 8 COMMENTS

Marin Municipal Water District customers face an unprecedented array of rate and fee hikes, new charges and surcharges that could cost an average residential household \$152 more a year.

Top water officials say it's all part of a restructuring program providing separate charges for pipeline repair and watershed maintenance for the first time, in addition to billing for water use.

But an analyst who studies public agency personnel expenses across California thinks the district is imposing a water tax wallop to pay for a "bloated" budget, and asserted Marin water officials should squeeze their \$66 million spending program for savings before asking ratepayers to wring \$11 million more from their wallets.

Although circumstances and rates vary along with meter size and water use, the majority of customers, or those with small 5/8-inch water meters, could see bills soar 27 percent by late next spring if the district board approves the plan as expected Dec. 8.

Proposals affecting most include a service charge increase of 57 percent, or \$74 more a year, and a 6 percent increase in the cost of water, as well as a new \$53 "watershed management" fee. In addition, potential surcharges could, for example, cost \$56 if the state orders a 25 percent water use cutback next summer. New fees and rates would take effect in January and increase 4 percent four months later.

A district newsletter indicates the welter of rate hikes, fee increases and charges include "increasing the fixed

How to protest water rate hike

Customers who don't like the way the Marin Municipal Water District wants to tap their wallets are welcome to protest.

Those who wish may lodge an official protest — only in writing — by mailing a letter indicating opposition and providing a parcel location, along with name and signature. The plan will be dropped if a majority of customers file such protests.

"Any protest submitted via email or other electronic means will not be accepted as a qualified formal written protest," the district advised. Officials said they don't have the ability to verify that an email was sent by the customer named.

Residents can learn more about the district program by attending workshop sessions at 7:30 p.m. Tuesday, Nov. 10, and Dec. 3, at district headquarters, 220 Nellen Ave., Corte Madera. The district's explanation of how big the bill will be, and how much bigger it could get, along with the reasons it needs the cash, can be found at marinwater.org.

The water board will consider adopting the program at 7:30 p.m. Dec. 8.

service charge, adding a new fixed watershed management fee, adjustments to the tier rates of the commodity charge for all customer classes, changes in the tier allotments for multifamily and duplex customer classes, drought and revenue recovery charges due to drought and other water use reduction events, and water pass-through adjustments for Sonoma County Water Agency purchases.”

FISCAL UNCERTAINTY

The complicated program allows the district to avoid fiscal quicksand, make critical pipeline repairs, care for the watershed and abide by a court ruling that requires water districts to tie rates and other charges to specific service costs, General Manager Krishna Kumar said.

With 80 percent of district spending buoying fixed costs that do not change, and 83 percent of revenue varying according to use, a detailed study by citizens, consultants and staff indicated the rate program “is what it takes to keep the faucets on 24/7” while tending to long-term needs, Kumar said.

He noted a 22 percent cut in water use by customers cost the district \$7 million in revenue that otherwise would have flowed over the past year.

In addition to pipeline work financed by the district’s existing “fireflow” tax that raises \$4.5 million a year, officials plan to invest \$3 million in pipeline replacements over the next two years under a \$44 million capital improvement program that includes a new bond issue financed from a portion of the new rate proceeds.

Water rates have escalated 41 percent since 2007 and but haven’t changed in the past three years as staff was cut 9 percent to 245 employees, but officials now seek revenue

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hikes generating \$11.2 million a year. The plan is “fair to all customers” and promotes efficient water use as well as financial stability, water board president Jack Gibson said.

CRITIC CRIES FOUL

Robert Fellner, research director of TransparentCalifornia.com, an affiliate of a conservative Nevada think tank that tracks public employee salaries and pensions, thinks the district’s personnel expenses are too plump.

“Residents are getting soaked with rate increases to fund, in large part, excessive pay and bloated administrative staffing at the MMWD,” Fellner said. He cited a water budget larded with “exorbitant” expenses including a publicity program in which three employees are designated as public information officials at a total cost of \$430,000 a year. He noted North Marin Water District has no information officer.

“I don’t think I’ve ever seen an agency this small pay that much, if anything at all, for dedicated public information officers,” Fellner said. Libby Pischel, Marin Municipal’s chief public information officer, earned about \$140,000 last year, along with a \$49,000 benefit package, putting her second on Fellner’s compensation list of 116 employees across the state with information officer titles. Pischel’s two aides earned \$85,000 each last year, and had benefit packages averaging \$34,500 each.

STAFF BENEFITS

The district offers a rich benefit program, with average pay last year of about \$99,000, or \$14,000 more than the average at Marin County Civic Center. Fellner, citing various examples of district employee job categories paying far more than state averages for similar jobs, said that with benefits, Marin Municipal paid \$138,000 in average compensation per employee last year, up \$7,000 from the year before. North Marin Water District got the job done for an average \$130,000.

“More broadly, indicative of excessive personnel expenditures at Marin Municipal is the fact that they spend nearly five times more on employee compensation — \$32.2 million versus \$6.6 million at North Marin — despite only serving three times as many (people), 187,000 versus 61,000,” Fellner said. “In other words, the Marin Municipal spends \$172 on employee compensation per customer served, while North Marin spends only \$108.” Expressed in terms of water meters or service connections, Marin Municipal spends \$522 on employee compensation per connection, while North Marin spends \$305.

The Marin water district is among only a handful of agencies in the region enabling employees to get both a state CalPERS pension and a Social Security check, and provides a retirement package that is among the most generous in the county. The district board guarantees that ratepayers will provide employees a pension of 2.7 percent of salary for every year of service at age 55 — and a cost-of-living hike of 2 percent a year. Rank-and-file workers at the county Civic Center get 2 percent at age 55, as do those in San Rafael, Novato and most other Marin cities.

The water district, which faces a pension and retiree health unfunded liability of about \$95 million, spent about \$9.2 million this year on pension and retiree health benefits — and provides a pension averaging about \$86,000 for the 29 career employees retiring since 2005.

Fellner developed a number of charts outlining his view that the water district needs to curb its spending before hiking rates. His analysis can be found on the Transparent California blog.

BALANCING ACT

Water district CEO Kumar deflected criticism, saying officials are trying “to balance infrastructure needs with operational expenditures” while providing the service customers demand — and continuing a program that upgrades 7.1 miles of pipeline each year, with a backlog of 380 miles to go. Salaries are based on the median of similar posts at 18 other agencies, and pension costs are curbed for new hires by state reform, he said.

Comparisons with North Marin are difficult at best because the two districts depend on different water sources, and Marin Municipal must deal with older pipes on the undulating terrain of Mount Tamalpais while caring for 21,000 acres of watershed. He added district publicists have plenty to do, working on water conservation, serving other departments and handling social media and online duties.

Environmentalism Nona Dennis of Mill Valley said rising rates are inevitable in light of fixed costs that remain the same but revenues that dip with conservation — combined with court rulings that compel spreading the cost of service more evenly across all customers.

“Considering its essential value and high quality, MMWD’s public water is one of the big bargains in Marin,” she said. Dennis called the watershed fee a “critical necessity” because care of district land, “especially control

of invasive weeds, has been chronically underfunded.”

‘TRIPLE WHAMMY’

Some customers, including Dan Karner of Larkspur, find the rate program too much to swallow too fast. Karner, a retired Sonoma State University professor, said the program is a “triple whammy” tax package that boosts his bill in January — then hikes it again in May while posing a future surcharge.

“If you really look at the numbers, responsible users end up paying a lot more money for their water under this plan,” Karner said, adding the program cuts rates for bigger water users. Kumar said analysis disclosed some old rates charged more than a fair share.

Bob Parfitt of San Anselmo, owner of S&N Auto in Fairfax, said the district is penalizing customers who took conservation to heart. “They are charging us for doing what we are supposed to be doing,” Parfitt said. “It is not reasonable,” he added. “Why can’t they cut costs ... and tighten their belt?”

A public workshop on the plan is scheduled for 7:30 p.m. Tuesday at the district office.

State expected to relax on pollution standards

by Frank Robertson Sonoma West Staff Writer news@sonomawest.com | Posted:

Wednesday, November 11, 2015 3:22 pm

State water quality officials are expected to unveil a more lenient timeline next week for bringing the lower Russian River's subpar residential septic systems into line with modern health and safety codes.

The looser schedule comes in response to an outpouring of lower River concern received last month regarding the potential expense of repairing or replacing residential septic systems that have been targeted as a source of elevated Russian River bacteria levels.

The North Cast Regional Water Quality Control Board (NCRWQCB) had planned to move forward on implementing an enforcement schedule next week but in response to the public outcry will instead talk about changes in the Total Maximum Daily Load (TMDL) schedule.

A public hearing scheduled for Nov. 19 to consider adoption of a proposed Russian River Watershed Pathogen Indicator Bacteria TMDL has been postponed.

Instead, next week's hearing will:

- Summarize the major comments received from the public,
- Describe potential revisions to the draft implementation program that may be warranted, and
- Propose a new schedule for TMDL and Action Plan adoption, said a NCRWQCB announcement of the hearing.

Besides lower Russian River protests the NCRWQCB is now getting protests from government agencies including the county of Sonoma and SMART, the Sonoma Marin Area Rail Transit authority which is getting ready to operate trains through Marin, Sonoma and Mendocino counties.

SMART's attorney last month joined Sonoma County in challenging the NCRWQCB's authority to demand that local governments submit plans showing how they'll reduce and control suspected watershed polluting activities such as homeless camps near creeks and railroad tracks.

The NCRWQCB wants SMART and the county to each prepare Bacteria Load Reduction Plans (BLRPs) that include toilet facilities for homeless persons, options for shelters and other homeless services and programs providing more public restroom facilities. SMART and the county both say the BLRPs are beyond the state's authority.

“It is respectfully submitted that the Regional Board lacks the authority to proscribe specific actions to SMART beyond those Specific and necessary powers granted to SMART by the legislature,” said SMART General Counsel Thomas Lyons in a letter to the NCRWQCB.

“Notwithstanding the foregoing, SMART is committed to working, within the confines of its statutory authority, with the County of Sonoma and other affected agencies to address the homeless and illegal encampments,” said Lyons.

The comments come in anticipation of next week’s public meeting when the Regional Water Board staff will present an informational item about its “Total Maximum Daily Load” TMDL effort to reduce elevated germ counts in the Russian River and its tributaries. The meeting starts at 8:30 a.m. at NCRWQCB headquarters on Skylane Boulevard in Santa Rosa.

Some lower Russian River residents say the whole effort to bring improved sewage treatment capabilities to the region needs an environmental impact report that looks at issues such as what happens when hundreds of vacant parcels of land become buildable with better sewage service in Cazadero, Monte Rio, Camp Meeker, Guerneville, Rio Nido, Summer Home Park, Hacienda, Mirabel and Healdsburg’s Fitch Mountain, which have all been designated as High Priority Areas where bacteria sources contribute to River bacteria levels.

“Presently, lack of sewers combined with stringent requirements for new septic systems all but eliminate new development in the high- priority named communities,” said a new group called The OWTS Residents of the Russian River. “With the TMDL, new sewers or a LAMP [Local Area Management Plan) may relax this limitation, allowing the cumulative impacts of the development of housing on potentially thousands of existing unbuilt lots in these communities. Growth impacts could include access to new housing on existing narrow, steep roads, access for fire protection, school construction, air quality, noise and dislocation of current residents,” said the OWTS Residents committee that includes River residents from Fitch Mountain to Villa Grande.

NOTICE INVITING PROPOSALS

Notice is hereby given that proposals will be received by the North Marin Water District (District or NMWD) at 999 Rush Creek Place, Novato California, 94945 until 4:00 p.m. on December 8, 2015, for miscellaneous construction and repairs to District facilities including installation of potable and non-potable piping, fencing, drainage, concrete, grading, trenching, paving, electrical, instrumentation, and other work at District facilities located in Marin County designated as:

CONSTRUCTION AND REPAIR SERVICES AT NMWD FACILITIES

The Proposer shall submit one (1) original and five (5) copies of its proposal in accordance with the conditions of the Request for Proposals dated November, 2015 to be considered for this project.

The proposer is referenced to the Request for Proposals (RFP) dated November, 2015, for specific proposal requirements. Information provided in these "Contract Documents" is included by reference to supplement the RFP and provide more contract related information. Proposals received prior to said day and hour will be reviewed in accordance with the conditions of the Request for Proposals, will be evaluated, and a recommendation will be presented to the District Board of Directors for subsequent action.

The District is seeking two (2) qualified Contractors to provide construction and repair services at its facilities on an "On-Call" basis for a total of each contract not to exceed \$150,000 through June 30, 2016; with the District holding an option to extend the period of services for two additional one-year terms for an additional contract amount of \$150,000 for each one-year term. Typical work will be similar in nature to, but may not be limited to, those listed below.

- Miscellaneous access road safety and erosion control improvements
- Anode bed replacements for below-ground water pipelines
- Tank site fencing repairs
- Small water main addition and/or replacement projects
- Small sewer main extensions
- Sewer manhole rehabilitation
- Replacing polybutylene water service laterals with copper
- Excavating and repairing water pipeline leaks
- Rehabilitation of commercial fire service detector check assemblies and vaults

The work to be performed under this contract shall be authorized by the District through Task Order issued to the Contractor for individual projects. Work consists of furnishing all tools, equipment, materials, supplies, and manufactured articles for each repair as needed, except those supplied by the District. It shall also include the furnishing of all transportation and services, including fuel, power, water, and essential communications, and for the performance of all labor, work, or other operations required for the fulfillment of the contract in strict accordance with the Contract Documents and applicable portions of District's Standard Procedures, Specifications and Drawings then currently in effect.

The District hereby advises all Proposers that the successful Proposers shall:

1. Employ the appropriate number of apprentices on the job site as set forth in California Labor Code 1777.5;
2. Provide workers' compensation coverage, as set forth in California Labor Code Sections 1860 and 1861;
3. Keep and maintain the records of work performed on the public works project, as set forth in California Labor Code Section 1812;
4. Keep and maintain the records required under California Labor Code Section 1776 which shall be subject to inspection pursuant to California Labor Code Section 1776 and California Code of Regulations, Division 1, Chapter 8, Subchapter 3, Article 6, Section 16400 (e); and
5. Be subject to other requirements imposed by law.

CALIFORNIA WAGE RATE REQUIREMENTS: In accordance with the provisions of the California Labor Code Sections 1770, 1773, 1773.1, 1773.6 and 1773.7 as amended, the Director of the Department of Industrial Relations has determined the general prevailing rate of per diem wages in accordance with the standards set forth in Section 1773 for the locality in which the Work is to be performed. Proposers may obtain the current prevailing rate of per diem wages directly from the on-line website maintained by the California Department of Industrial Relations (www.dir.ca.gov/DLSR/PWD).

The District has determined that all installation of mechanical, pressure and/or process piping; waste and vent piping; potable and non-potable piping shall be paid at the prevailing wage for a Plumber and/or Pipefitter. It shall be mandatory upon the Contractor to whom the Work is awarded and upon any subcontractor to pay not less than said specified rates to all workers employed by them in the execution of the Work. The District will not recognize any claim for additional compensation because of the payment by the Contractor of any wage rate in excess of the prevailing wage rates on file as aforesaid. The possibility of a wage increase is one of the elements to be considered by each Contractor in developing his/her proposal and will not, under any circumstances, be considered as the basis of a claim against the District on the Contract.

Public Notice
Marin NJ
11/13/15

The successful Proposers and its subcontractors shall employ workers, trades and craftsmen who constantly display and demonstrate proper moral, ethical, and professional conduct to all fellow workers, employees and representatives of the Owner and other involved entities.

Each proposal must conform and be responsive to the invitation and all documents comprising the pertinent Contract Documents. The successful Proposers will execute the Contract in conformity with the form of agreement contained within the Contract Documents, and will furnish bonds for the full amount of the contract and insurance policies as specified within ten (10) days after notification of the award of the Contract to the successful Proposers.

Addenda issued during the proposal process shall be covered in the Contractor's proposal and shall become part of the Contract Documents.

Proposers shall develop and submit proposals at their own expense. The District will not reimburse any costs associated with the development and submittal of any and all proposals.

The District reserves the sole right to reject any and all proposals and to waive any informality in a proposal.

No Proposer may withdraw its proposal for a period of sixty (60) days after the date set for the submission thereof.

Any proposal protest must be submitted in writing to the District Secretary at PO Box 146, Novato, California 94948 before 5:00 p.m. of the 5th business day following the proposal submission date. The initial protest document must identify the protestant and contain a complete statement of the basis for the protest with reference to any portion of the proposal documents which the protestant relies on as the basis of the protest. The above time and content requirements are mandatory, and comprise the sole and exclusive means by which to protest a proposal, and thus failure to comply therewith shall constitute a waiver of any right to further pursue a protest by any means, including filing a Government Code claim or legal proceedings. Proposal protests shall be acted upon by the District's Board.

In accordance with the provisions of California Public Contract Code Section 3300, the District has determined that the Contractor shall possess a valid Class A license, plus all specialty licenses required to perform the range of work described in the Notice Inviting Proposals. The Contractor may subcontract for some specialty work if identified during the course of the contract as may be mutually agreed to by the District and the Contractor.

In accordance with the provisions of California Business and Professions Code Section 7028.15, a proposal submitted to the District by a Contractor who is not licensed in accordance with Chapter 9 of the California Business and Professions Code shall be considered non-responsive and shall be rejected by the District.

Proposers may examine the RFP Documents at the District Office at the following address:

North Marin Water District - Owner
999 Rush Creek Place
P.O. Box 146
Novato, CA 94948
Attn: Eileen Mulliner
Email: emulliner@nmwd.com
Telephone No.: 415-761-8913
Fax No.: 415-878-2049

RFP Documents will be available at the District website (www.nmwd.com), under the "Doing Business With Us" tab) for downloading and printing. Proposers must be registered as a planholder to submit a proposal. The Proposer's attention is directed to the instructions for Proposers for complete instructions regarding submission of a proposal.

No. 1292 November 13, 2015

Anti-fluoridation forces to gather signatures to get issue on Marin ballot

Chris Nanney, Marin Municipal Water District water quality laboratory manager, prepares samples to test for fluoride levels at their laboratory in Corte Madera. Robert Tong — Marin Independent Journal

By Mark Prado, *Marin Independent Journal*

POSTED: 11/12/15, 9:36 PM PST | UPDATED: 6 HRS AGO 24 COMMENTS

Backers of a Marin anti-fluoridation initiative plan to set up tables at the Sunrise Center in Corte Madera on Friday afternoon to begin collecting signatures to put the issue on the ballot.

Clean Water Sonoma-Marín wants to require the Marin Municipal Water District to stop using fluoride in water until it can detail what's in the chemical — hydrofluorosilic acid — the agency uses to fluoridate water. It also wants the district to provide a report showing that it is safe to ingest.

"There are no safety studies that we can find," said Dawna Gallagher-Stroeh, director of Clean Water Sonoma-Marín, who is leading the effort. "The water district's mission is to provide clean and safe drinking water. They should be able to tell us what's in the water."

The petition asks for a moratorium on the use of fluoridation until the data can be provided. The group has about 180 days to gather 11,000 signatures within the MMWD district, which stretches from Sausalito to San Rafael. If successful, the issue would go on the November 2016 ballot. About 190,000 are served by the water district.

"People's mindsets have changed," Gallagher-Stroeh said. "They want to know what they are putting into their bodies."

For its part, the water district and its attorneys have said the agency is required to fluoridate.

"MMWD will continue to comply with all state and federal water quality regulations in effect," said Libby Pischel, water district spokeswoman.

'HANDS TIED'

In 1995, Assembly Bill 733 was passed into law. The law requires public water systems that have more than 10,000 connections to provide fluoridated water as long as they don't use ratepayer dollars. The district receives about \$1 million annually in rental income and uses about \$140,000 of that for fluoridation.

"Our hands are tied," said Jack Gibson, water board president. "It's something the law simply requires us to do."

Fluoridation at Marin Municipal began in December 1973 after 57 percent of voters gave approval in November 1972. Opponents failed to block it in court action and through an appeal to the state Department of Health.

It was taken up again by voters in 1978 after water to five West Marin communities was overdosed accidentally with up to eight times the accepted level of fluoride for about two weeks in late 1977. In that vote, 53 percent of voters gave approval to continue fluoridation.

The North Marin Water District, which provides water to Novato and West Marin, doesn't fluoridate its water and does not fall under the rules of AB 733.

LEVEL LOWERED

Earlier this year, Marin Municipal lowered the amount of fluoride it puts into the drinking supply, after the federal government said some children are getting too much, causing white splotches on their teeth.

It was the first change since the government urged cities to add fluoride to water supplies to prevent tooth decay more than 50 years ago. Now, fluoride is put in toothpaste, mouthwash and other products.

Since 1962, the government has recommended a range of 0.7 milligrams per liter for warmer climates where people drink more water to 1.2 milligrams in cooler areas. The

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new standard is 0.7 milligrams everywhere and it was adopted by Marin Municipal as of May 1. Previously the district added 0.9 milligrams per liter of water.

The district said 0.9 milligrams is equivalent to one drop in 15 gallons, while the new standard is equivalent to one drop in 18 gallons.

HEALTH CONCERNS

One government study found about two of five adolescents had tooth streaking or spottiness. It's primarily a cosmetic issue, said Deputy Surgeon General Boris Lushniak.

The mineral fluoride is in water and soil. About 70 years ago, scientists discovered that people whose drinking water naturally had more fluoride also had fewer cavities.

Grand Rapids, Michigan, became the world's first city to add fluoride to its drinking water in 1945. Six years later, a study found a dramatic decline in tooth decay among children there, and the U.S. surgeon general endorsed water fluoridation.

Today, about 75 percent of Americans get fluoridated water.

But adding fluoride remains controversial. Opponents argue its health effects aren't completely understood and that adding it amounts to an unwanted medication.

The U.S. Centers for Disease Control and Prevention says water fluoridation "has been a safe and healthy way to effectively prevent tooth decay." The organization has recognized water fluoridation as one of the "10 great public health achievements of the 20th century."

But San Rafael resident Mary Larkin, a member of Safe Water Marin, believes fluoride is dangerous. She opposes the initiative, saying the water board needs to vote to stop using the chemical on its own.

“By putting this on the ballot, it gets the MMWD off the hook,” she said. “This is harmful to our health and our kids’ health.”

El Niño still on track to deliver deluges, new report says

By Josh Richman jrichman@bayareanewsgroup.com

POSTED: 11/12/15, 3:37 PM PST | UPDATED: 11 HRS AGO 0 COMMENTS

Bone-dry California remains on track to get a drenching this winter from the weather phenomenon known as El Nio, federal scientists said in new projections released Thursday.

The experts still believe "that this El Nio could rank among the top three strongest episodes" on record, bringing average or above-average rains to the entire state. Pacific Ocean temperatures driving the effect aren't expected to return to normal until late spring or early summer, adds the report from the National Weather Service's Climate Prediction Center and the International Research Institute for Climate and Society.

"We expect it to remain strong through the winter," Mike Halpert, deputy director of the Climate Prediction Center in College Park, Maryland, said Thursday.

El Nio is a disruption in the weather patterns over the Pacific. It occurs when the ocean's surface along the equator off Peru warms more than normal. Those warm waters release heat, changing wind directions and the jet stream. The conditions often bring more and more powerful storms to California.

Seasonal outlooks will be updated next week, Halpert said, and "my guess is that we still will give the best chance to see a wet winter in the southern part of the state, but we will probably still favor a wetter-than-average winter in the northern part."

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That's important because most of California's big reservoirs are in the state's northern half, and they remain at only a fraction of their normal

levels after four years of devastating drought.

For example, Lake Shasta is at half its historic average for this time of year; Lake Oroville is at 46 percent; Trinity Lake is at 31 percent; Folsom Lake is at 29 percent; and the New Melones Reservoir in the foothills near Jamestown is at 20 percent.

The rain the Golden State has seen since Oct. 1 has put a few Bay Area locales -- including San Jose, Mountain View and Livermore -- ahead of their normal precipitation levels while most of the region remains behind. Elsewhere around California, cities such as Salinas, Stockton, Fresno, Modesto and San Diego are ahead of normal for the past six weeks, while the Los Angeles area remains behind.

The Sierra Nevada's snowpack, melt-off from which provides nearly a third of the state's water, fell this year to its lowest level in at least 500 years, according to a study published in September by Nature Climate Change, a peer-reviewed British journal.

That's just starting to change. Moderate to heavy precipitation fell recently in the mountains, and now the "snowpack is well above normal for this time of year in the Sierra Nevada and parts of Nevada where drought has seemed intractable," according to a U.S. Drought Monitor report issued Thursday, but "areas where drought was more entrenched will need abundant precipitation to continue much farther into the wet season before any notable improvement could evolve."

Halpert said California, dry as it has been, should be careful what it wishes for.

"I do have some concerns that if we see the types of extremes we saw in '97-'98 and '82-'83 ... there's going to be a downside to it as well," he said - and that means flooding, landslides and other weather-related chaos. "The rain probably won't all fall gently enough to refill the reservoirs without causing some havoc."

Josh Richman covers politics. Follow him at [Twitter.com/Josh_Richman](https://twitter.com/Josh_Richman). Read the Political Blotter at IBAbuzz.com/politics.