

**REGULAR MEETING OF THE BOARD OF DIRECTORS OF THE
FLORIN RESOURCE CONSERVATION DISTRICT**

Wednesday, December 20, 2017

6:30PM

**9257 Elk Grove Blvd.
Elk Grove, CA 95624**

Compliance with Government Code Section 54957.5

Public records, including writings related to an agenda item for an open session of a regular meeting of the Florin Resources Conservation District that are distributed less than 72 hours before the meeting, are available for public inspection during normal business hours at the Administration building of Elk Grove Water District, located at 9257 Elk Grove Blvd. Elk Grove, California. In addition, such writings may be posted, whenever possible, on the Elk Grove Water District website at www.egwd.org.

The Board will discuss all items on the agenda, and may take action on any item listed as an "Action" item. The Board may discuss items that do not appear on the agenda, but will not act on those items unless there is a need to take immediate action and the Board determines by a two-thirds (2/3) vote that the need for action arose after posting of the agenda.

If necessary, the Meeting will be adjourned to Closed Session to discuss items on the agenda listed under "Closed Session." At the conclusion of the Closed Session, the meeting will reconvene to "Open Session."

CALL TO ORDER, ROLL CALL AND PLEDGE OF ALLEGIANCE

Public Comment – Please complete a Request to Speak Form if you wish to address the Board. Members of the audience may comment on matters that are not included on the agenda. Each person will be allowed three (3) minutes, or less if a large number of requests are received on a particular subject. No action may be taken on a matter raised under "Public Comment" until the matter has been specifically included on an agenda as an action item. Items listed on the agenda will be opened for public comment as they are considered by the Board of Directors.

1. Proclamations and Announcements

Associate Director Comment

Public Comment

- 2. Consent Calendar** (Stefani Phillips, Board Secretary and Patrick Lee, Treasurer)
- a. Regular Board Meeting Minutes of November 15, 2017
 - b. FRCD Cash Flow Worksheet – November, 2017
 - c. Warrants Paid – November, 2017
 - d. Active Accounts – November, 2017
 - e. Bond Covenant Status for FY 2017-18 – November, 2017
 - f. Revenues and Expenses – Actual vs Budget FY 2017– November, 2017
 - g. Cash Accounts – November, 2017
 - h. Consultants Expenses – November, 2017
 - i. Major Capital Improvement Projects – November, 2017

Associate Director Comment

Public Comment

**Recommended Action: Approve Florin Resource Conservation District
Consent Calendar items a - i**

3. [Committee Meetings](#) (Stefani Phillips, Board Secretary)

Associate Director Comment

Public Comment

4. [Public Hearing - Public Health Goal Report](#) (Mark J. Madison, General Manager)

Associate Director Comment

Public Comment

Recommended Action: 1) Hold a public hearing to receive public comment regarding the proposed acceptance of a Public Health Goal Report, and 2) accept the Public Health Goal Report pending public comments

5. [Elk Grove Water District Operations Report – October 2017](#)

(Mark J. Madison, General Manager)

Associate Director Comment

Public Comment

6. [Rate Study Community Advisory Committee Appointments](#)

(Patrick Lee, Finance Manager)

Associate Director Comment

Public Comment

Recommended Action: Approve a motion appointing selected individuals to the Community Advisory Committee for the 2017 Connection Fee and Water Rate Study

7. [Board of Director Benefits](#) (Stefani Phillips, Board Secretary)

Associate Director Comment

Public Comment

Recommended Action: Consider Board of Director Benefits and provide direction to staff

8. **Directors Comments and Information**

Associate Director Comment

Public Comment

9. **Closed Session**

- a. CONFERENCE WITH LEGAL COUNSEL-EXISTING LITIGATION
(Paragraph (1) of subdivision (d) of Section 54956.9)

Name of case: Sloughouse Resources Conservation District v. Sacramento Central Groundwater Authority, et al.; Sacramento Superior Court Case No. 34-2017-80002529
b. PUBLIC EMPLOYEE PERFORMANCE EVALUATION (Section 54957)
Title: General Counsel

Adjourn to Regular Meeting – Wednesday, January 17, 2018.

December 20, 2017

TO: Chairperson and Directors of the Florin Resource Conservation District
FROM: Stefani Phillips, Board Secretary
SUBJECT: **CONSENT CALENDAR**

RECOMMENDATION

It is recommended that the Florin Resource Conservation District Board of Directors approve Florin Resource Conservation District Consent Calendar items a – i.

SUMMARY

Consent Calendar items a – i are standing items on the Regular Board Meeting agenda.

By this action, the Board will approve Florin Resource Conservation District Consent Calendar items a – i.

DISCUSSION

Background

Consent Calendar items are standing items on the Regular Board Meeting agenda.

Present Situation

Consent Calendar items a – i are standing items on the Regular Board Meeting agenda.

ENVIRONMENTAL CONSIDERATIONS

There are no direct environmental considerations associated with this report.

STRATEGIC PLAN CONFORMITY

Fiscal stability is in conformity with the District's Business Practice goals of the 2012-2017 Strategic Plan.

December 20, 2017

CONSENT CALENDAR

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FINANCIAL SUMMARY

There is no financial impact associated with this report.

Respectfully Submitted,



STEFANI PHILLIPS,
BOARD SECRETARY

And



PATRICK LEE,
TREASURER

Attachments

MINUTES OF THE REGULAR MEETING OF THE FLORIN RESOURCE CONSERVATION DISTRICT BOARD OF DIRECTORS

Wednesday, November 15, 2017

The regular meeting of the Florin Resource Conservation District Board of Directors was called to order at 6:30 p.m. by Tom Nelson, Chairperson, at 9257 Elk Grove Blvd., Elk Grove, CA.

Call to Order, Roll Call, and Pledge of Allegiance.

Directors Present: Bob Gray, Lisa Medina, Tom Nelson, Sophia Scherman, Jeanne Sabin
Directors Absent: None
Staff Present: Mark J. Madison, General Manager; Bruce Kamilos, Assistant General Manager; Stefani Phillips, Board Secretary; Patrick Lee, Finance Manager; Steve Shaw, Water Treatment Supervisor; Richard Salas, Water Distribution Supervisor; Jose Carrillo, Water Distribution Supervisor; and Sean Hinton, Water Distribution Operator III
Associate Directors Present: Shahid Chaudhry, Kenneth Strom
General Counsel Present: Ruthann G. Ziegler, Meyers Nave
Consultants Present: Mitesh Desai, Badawi and Associates

Public Comment

None

1. Proclamations and Announcements

- a. Recognition of Sean Hinton for 5 years of service
- b. Recognition of Donella Murillo for 15 years of service

Mark Madison, General Manager, recognized Sean Hinton, Water Distribution Operator III, for his five years of service (2012-2017) with the District.

Mr. Madison recognized Donella Murillo, Finance Supervisor, for her fifteen years of service (2002-2017) with the District.

2. Consent Calendar

- a. Regular Board Meeting Minutes of October 18, 2017
- b. FRCD Cash Flow Worksheet – October, 2017
- c. Warrants Paid – October, 2017
- d. Active Accounts – October, 2017
- e. Bond Covenant Status for FY 2017-18 – October, 2017
- f. Revenues and Expenses – Actual vs Budget FY 2017– October, 2017
- g. Cash Accounts – October, 2017
- h. Consultants Expenses – October, 2017
- i. Major Capital Improvement Projects – October, 2017

MSC (Sabin/Medina) to approve FRCD Consent Calendar items a. – i. 5/0: Ayes: Gray, Medina, Nelson, Sabin and Scherman.

3. Fiscal Year 2016-2017 Comprehensive Annual Financial Report

Patrick Lee, Finance Manager, introduced the Fiscal Year 2016-2017 Comprehensive Annual Financial Report (CAFR) and provided background. In Summary, the FRCD is required by State statute to publish a complete set of financial statements presented in conformity with

generally accepted auditing principals and audited in accordance with generally accepted auditing standards. The audit must be conducted by a firm of licensed certified public accountants.

Mitesh Desai, Badawi and Associates, presented the Fiscal Year 2016-2017 CAFR. In summary, Mr. Desai highlighted the Unmodified Opinion, stating that the Financial Statements were presented fairly. Mr. Desai presented three (3) recommendations for the upcoming years.

Chairperson Tom Nelson commented that the CAFR was filed on time and thanked Donella Murillo, Finance Supervisor along with the Finance Department for their work related to the audit.

Mark Madison, General Manager thanked Mitesh and Ahmed with Badawi and Associates for their work. He also thanked Ms. Murillo, Mr. Lee, and Robert Merritt, Financial Consultant for all of their hard work in completing the CAFR.

Vice-Chairperson Bob Gray commented this CAFR is about as clean as it can be. He stated he is pleased the report is complete at this time of year.

Mr. Nelson also commented that the Districts reserves are good and mentioned that the District will need to discuss how to use the reserves. Mr. Madison stated there is a number of ways to use the reserves.

The Board discussed a few revisions to the Final CAFR.

MSC (Scherman/Medina) to approve a motion accepting the Fiscal Year 2016-17 Comprehensive Annual Financial Report. 5/0: Ayes: Gray, Medina, Nelson, Sabin and Scherman.

4. Committee Meetings

There were no committee meetings held in the month of October.

5. Elk Grove Water District Operations Report – October 2017

Mr. Madison presented the Elk Grove Water District Operations Report – October 2017 to the Board.

Summary Points:

- Door tags and shutoffs (810 & 84, respectively) continued to be much higher than normal and this could lead to problems over the holidays.
- We have continued to do a lot of hydrant maintenance and valve exercising.
- We had four pressure complaints in October. All were unconfirmed.
- We had one water quality complaint (odor) and it was unconfirmed.
- Well 1D remains down – we are flushing it now.
- Wells 14D, 3, 9, and 13 were the main sources of supply for Service Area 1. Hampton continues to perform exceptionally well.
- Production for Service Area 1 continues down from September.
- Total customer usage for EGWD (SA1 and SA2) was slightly down compared to October of 2013 at about 5%, but usage in SA2 was actually greater than in 2013.

- New water usage reports are included. The RWA Savings Summary report is a month behind and is for September.
- The new 4th quarter measurements static and pumping water measurements indicate that water levels are down in the deep wells but up in the shallow wells.
- Nothing unusual relative to our water sample results
- There are a number of new regulatory reports now required by the State and these are included.
- All preventative maintenance activities have been performed in compliance with our Standard Operating Procedures.
- Backflow prevention program -- there were 18 delinquent customers at the end of September.
- We have had 4 formal safety meetings and it has been 635 days since we have had an injury with no lost time!
- Service Line Replacements – Two service lines were replaced in October by the Distribution crew while replacing some corroded saddles.
- We had 1 main line leak and 6 service line leaks. Tree roots caused the main line break
- Pressures in both Service Areas bumped up slightly compared to September. Pressures remain strong and stable.

Mr. Madison discussed the process for door tag during the holidays.

Director Sophia Scherman commented with concern about the news reports on the heavy arsenic found in the schools. Mr. Madison responded stating that those schools are south of Stockton, California. He stated that the District has tested all but one (1) school in the District and the results have come back as non-detect.

Ms. Scherman stated that the City of Elk Grove was out testing the water pressure at her house. She said the specifically stated they were “Identifying where the water mains are”. Mr. Madison replied that he will check in this matter and get back to her.

6. Directors Comments and Information

Chairperson Tom Nelson introduced Director healthcare coverage to solicit interest. Stefani Phillips, Human Resources Administrator presented information regarding Director healthcare coverage. A brief discussion occurred. Mr. Madison stated that staff will bring back more information at the December Board Meeting.

Chairperson Tom Nelson requested Ms. Phillips to check into Sexual Harassment & Avoidance Training for the Board of Directors.

Ms. Phillips presented details of the FRCD/EGWD Christmas Luncheon.

7. Closed Session

- a. THREAT TO PUBLIC SERVICES OR FACILITIES
Consultation with: Mark J. Madison, General Manager

No reportable action was taken.

Adjourn to regular meeting on December 20, 2017 at 6:30 p.m.

Respectfully submitted,

Stefani Phillips

Stefani Phillips, Board Secretary



FRCD Cash Flow For the Month Ended November 30, 2017

Cash in Bank – Beginning	\$ 40,263.63
Disbursements:	
Check # 1034-CCPPM Worm Fancy Brochure	-\$94.82
Check # 1035-Center for land based Learning Materials & Supplies	-\$295.85
Check # 1036-Kate Waldo Vermicomposting	-\$165.00
Check #1037-Card Services Supplies for SLEWS	-\$142.95
Check #1038-EGWD PM Salary Allocation	-\$2,913.48
Cash in Bank – Ending	\$ 36,651.53

Check History Report

11/1/2017 to 11/30/2017
Elk Grove Water District

Check Number	Check Date	Vendor Number	Name	Check	Explanation
045803	11/2/2017	A. TEIC	A. TEICHERT & SON, INC	245.15	
045804	11/2/2017	A. TEIC	A. TEICHERT & SON, INC	226.68	
045805	11/2/2017	ACWAJPI	CB&T/ACWA-JPIA	53,979.28	Medical Benefits-December 2017
045806	11/2/2017	AMAZON	AMAZON CAPITAL SERVICES	14.10	
045807	11/2/2017	ATT&T	AT&T MOBILITY	319.76	
045808	11/2/2017	BAY ALA	BAY ALARM COMPANY	1,074.28	
045809	11/2/2017	BRENNTA	BRENNTAG PACIFIC, INC	553.46	
045810	11/2/2017	BSK4	BSK ASSOCIATES	164.00	Materials/Supplies-Treatment
045811	11/2/2017	BSK4	BSK ASSOCIATES	164.00	Sampling-Treatment
045812	11/2/2017	BSK4	BSK ASSOCIATES	40.00	Sampling-Treatment
045813	11/2/2017	BSK4	BSK ASSOCIATES	40.00	Sampling-Treatment
045814	11/2/2017	BSK4	BSK ASSOCIATES	795.00	Sampling-Treatment
045815	11/2/2017	BSK4	BSK ASSOCIATES	40.00	Sampling-Treatment
045816	11/2/2017	BSK4	BSK ASSOCIATES	40.00	Sampling-Treatment
045817	11/2/2017	CCPPM	CCPPM	3,600.00	EGWD Newsletter-Postage
045818	11/2/2017	COS WEB	COUNTY OF SACRAMENTO	2,460.00	Sacramento County WebGIS
045819	11/2/2017	COUNTY4	SACRAMENTO COUNTY UTILITIES	111.70	
045820	11/2/2017	COUNTY4	SACRAMENTO COUNTY UTILITIES	116.36	
045821	11/2/2017	CRWA	CALIFORNIA RURAL WATER ASSC	1,203.00	Membership Dues November 17-November 18
045822	11/2/2017	CSDS	CSDS SACRAMENTO	96.94	
045823	11/2/2017	CSDS	CSDS SACRAMENTO	23.60	
045824	11/2/2017	DEL PAS	DEL PASO PIPE & STEEL INC	164.68	
045825	11/2/2017	DEL PAS	DEL PASO PIPE & STEEL INC	25.44	
045826	11/2/2017	EATON2	EATON PUMPS SALES & SERVICE	86,968.00	Well 1D Rehab
045827	11/2/2017	EATON2	EATON PUMPS SALES & SERVICE	750.00	Well 1D Rehab Video
045828	11/2/2017	FARMER	LEE FARMER	107.30	Reimbursement of PERS pulled for Non reportable Longevity payments
045829	11/2/2017	FASTENA	FASTENAL COMPANY	19.73	
045830	11/2/2017	FASTENA	FASTENAL COMPANY	15.52	
045831	11/2/2017	FERRELL	FERRELLGAS	58.45	
045832	11/2/2017	FRONT C	FRONTIER COMMUNICATIONS	226.10	
045833	11/2/2017	GOLDEN	GOLDEN STATE FLOW	2,092.29	Materials/Supplies-Distribution
045834	11/2/2017	HALING	CINDY HALING	60.00	
045835	11/2/2017	HANFORD	HANFORD SAND & GRAVEL, INC	48.49	
045836	11/2/2017	INT STA	INTERSTATE OIL COMPANY	1,254.48	Fuel
045837	11/2/2017	JAN PRO	JAN-PRO CLEANING SYSTEMS OF	255.00	
045838	11/2/2017	JAYS	JAY'S TRUCKING SERVICE	3,901.57	Materials & Supplies-Kent Street
045839	11/2/2017	LAKE V	LAKE VUE ELECTRIC, INC	199.50	

045840	11/2/2017	MONTIEL	MICHAEL MONTIEL	338.97	Clothing Reimbursement
045841	11/2/2017	PACE	PACE SUPPLY CORP	180.99	Materials & Supplies-Treatment
045842	11/2/2017	PACE	PACE SUPPLY CORP	318.81	Materials & Supplies-Distribution
045843	11/2/2017	PACE	PACE SUPPLY CORP	504.59	Materials & Supplies-Distribution
045844	11/2/2017	PACE	PACE SUPPLY CORP	535.66	Materials & Supplies-Distribution
045845	11/2/2017	PACE	PACE SUPPLY CORP	147.96	Materials & Supplies-Distribution
045846	11/2/2017	PACE	PACE SUPPLY CORP	211.89	Materials & Supplies-Distribution
045847	11/2/2017	PACE	PACE SUPPLY CORP	389.50	Materials & Supplies-Distribution
045848	11/2/2017	PACE	PACE SUPPLY CORP	327.35	Materials & Supplies-Distribution
045849	11/2/2017	PACE	PACE SUPPLY CORP	1,679.34	Materials & Supplies-Distribution
045850	11/2/2017	PACE	PACE SUPPLY CORP	649.41	Materials & Supplies-Distribution
045851	11/2/2017	REPUBLI	REPUBLIC SERVICES #922	1,066.09	
045852	11/2/2017	ROTH	ROTH STAFFING COMPANIES, L.P.	891.58	Temporary Customer Service Help
045853	11/2/2017	SIERR C	SIERRA CHEMICAL COMPANY	532.59	
045854	11/2/2017	SIERRA	SIERRA OFFICE SUPPLIES	545.86	
045855	11/2/2017	SIERRA	SIERRA OFFICE SUPPLIES	139.64	
045856	11/2/2017	SIERRA	SIERRA OFFICE SUPPLIES	326.37	
045857	11/2/2017	SMUD	SMUD	12,422.93	
045858	11/2/2017	SMUD	SMUD	46.33	
045859	11/2/2017	SMUD	SMUD	2,596.33	
045860	11/2/2017	SMUD	SMUD	11,149.08	
045861	11/2/2017	SMUD	SMUD	54.84	
045862	11/2/2017	SMUD	SMUD	3,293.65	
045863	11/2/2017	SMUD	SMUD	766.86	
045864	11/2/2017	SMUD	SMUD	2,373.53	
045865	11/2/2017	SMUD	SMUD	3,036.80	
045866	11/2/2017	SOUTHWE	SOUTHWEST ANSWERING SERVICE,	292.21	
045867	11/2/2017	ULTRA	ULTRA TRUCK WORKS, INC	12.71	
045868	11/2/2017	WEBCO	WEBCO COMMUNICATION, INC	170.00	
045869	11/2/2017	WILL SC	WILLIAM SCOTSMAN, INC.	561.32	
045870	11/9/2017	A. TEIC	A. TEICHERT & SON, INC	282.79	Rental of Mobile Office-MOC
045871	11/9/2017	AFLAC	AFLAC	1,779.86	
045872	11/9/2017	BATTER	BATTERIES PLUS	46.33	
045873	11/9/2017	BEN RES	BENEFIT RESOURCE, INC	100.00	
045874	11/9/2017	BG SOLU	SOLUTIONS BY BG INC.	5,190.00	Daily Tasks/Help Tickets
045875	11/9/2017	BSK4	BSK ASSOCIATES	3,537.54	Sampling-Treatment
045876	11/9/2017	BSK4	BSK ASSOCIATES	85.00	Sampling-Treatment
045877	11/9/2017	BSK4	BSK ASSOCIATES	85.00	Sampling-Treatment
045878	11/9/2017	BSK4	BSK ASSOCIATES	40.00	Sampling-Treatment
045879	11/9/2017	BSK4	BSK ASSOCIATES	40.00	Sampling-Treatment
045880	11/9/2017	C&T	C & T SPECIALTIES	42.12	
045881	11/9/2017	CHI TI	CHICAGO TITLE CO	34.13	Account Closed- Customer Refund
045882	11/9/2017	CHIC 11	CHICAGO TITLE CO	102.05	Account Closed- Customer Refund
045883	11/9/2017	CONSOLI	CONSOLIDATED COMMUNICATIONS	240.27	Ethernet Service
045884	11/9/2017	CONSOLI	CONSOLIDATED COMMUNICATIONS	1,269.62	Phones-MOC/ADMIN
045885	11/9/2017	CR FIRA	FIRST AMERICAN TITLE	11.84	Account Closed- Customer Refund

045886	11/9/2017	CR JTTS	JODY TENNIS & TISHA SMITH	26.25	Account Closed- Customer Refund
045887	11/9/2017	CRF ANJ	ANDREA JOYCE	4.84	Account Closed- Customer Refund
045888	11/9/2017	CRF ANM	ANNA K MORENO	161.52	Account Closed- Customer Refund
045889	11/9/2017	CRF BRW	BRET WOLFE	12.75	Account Closed- Customer Refund
045890	11/9/2017	CRF CST	CORNER STONE TITLE COMPANY	30.15	Account Closed- Customer Refund
045891	11/9/2017	CRF FN	FIDELITY NATIONAL TITLE	27.17	Account Closed- Customer Refund
045892	11/9/2017	CRF FN	FIDELITY NATIONAL TITLE	12.88	Account Closed- Customer Refund
045893	11/9/2017	CRF FN	FIDELITY NATIONAL TITLE	19.30	Account Closed- Customer Refund
045894	11/9/2017	CRF FN	FIDELITY NATIONAL TITLE	115.38	Account Closed- Customer Refund
045895	11/9/2017	CRF IGA	IGNACIA ARMENTA	12.88	Account Closed- Customer Refund
045896	11/9/2017	CRF LEN	LENNAR HOMES CA, INC	2.75	Account Closed- Customer Refund
045897	11/9/2017	CRF LEN	LENNAR HOMES CA, INC	8.35	Account Closed- Customer Refund
045898	11/9/2017	CRF LIC	LINDA CLARK	23.25	Account Closed- Customer Refund
045899	11/9/2017	CRF LIG	LILY GALINDO	46.09	Account Closed- Customer Refund
045900	11/9/2017	CRF NT	NORTH AMERICAN TITLE COMPANY	145.49	Account Closed- Customer Refund
045901	11/9/2017	CRF NT	NORTH AMERICAN TITLE COMPANY	109.46	Account Closed- Customer Refund
045902	11/9/2017	CRF OR3	ORANGE COAST TITLE	12.44	Account Closed- Customer Refund
045903	11/9/2017	CRF PLA	PLACER TITLE COMPANY	38.25	Account Closed- Customer Refund
045904	11/9/2017	CRF ROI	ROBERT IMRISEK	18.79	Account Closed- Customer Refund
045905	11/9/2017	CRF SHJ	SHERRY JONES	21.82	Account Closed- Customer Refund
045906	11/9/2017	CRF TAS	TAMMY SMITH	99.69	Account Closed- Customer Refund
045907	11/9/2017	CRF TEI	TEICHERT CONSTRUCTION	1,153.48	Refund of Water Permit Fee
045908	11/9/2017	CRF TEI	TEICHERT CONSTRUCTION	864.52	Refund of Water Permit Fee
045909	11/9/2017	CRFEC	EDDIE COLLINS	1,636.94	Refund of Water Permit Fee
045910	11/9/2017	CRFFNT0	FIDELITY NATIONAL TITLE CO	39.53	Account Closed- Customer Refund
045911	11/9/2017	CRFFTC	FIRST AMERICAN TITLE COMPANY	757.40	Account Closed- Customer Refund
045912	11/9/2017	CRFID	FIDELITY NATIONAL TITLE CO	33.50	Account Closed- Customer Refund
045913	11/9/2017	CRFNA	NORTH AMERICAN TITLE COMPANY	111.80	Account Closed- Customer Refund
045914	11/9/2017	CRFNOW	NICHOLE WIGGINS	224.84	Account Closed- Customer Refund
045915	11/9/2017	CRFSAG	SANDRA GOFF	18.50	Account Closed- Customer Refund
045916	11/9/2017	CRFSTS6	STEWART TITLE OF SACRAMENTO	11.18	Account Closed- Customer Refund
045917	11/9/2017	CRJAM	JAMES LEWIS	34.50	Account Closed- Customer Refund
045918	11/9/2017	CS DM	CARD SERVICES	629.77	Computer for new Utility Billing Specialist
045919	11/9/2017	CS SJ	CARD SERVICES	1,130.04	Hotel, Materials, Supplies and Meals
045920	11/9/2017	CS SP	CARD SERVICES	160.69	Training, Employee Appreciation
045921	11/9/2017	DATAPRO	DATAPROSE LLC	8,521.76	Monthly Billing-October
045922	11/9/2017	EGCOC	ELK GROVE CHAMBER OF	700.00	Membership Dues
045923	11/9/2017	FASTENA	FASTENAL COMPANY	24.83	
045924	11/9/2017	FASTENA	FASTENAL COMPANY	46.31	Advertising
045925	11/9/2017	HERBURG	HERBURGER PUBLICATIONS, INC	544.50	
045926	11/9/2017	JAN PRO	JAN-PRO CLEANING SYSTEMS OF	245.00	
045927	11/9/2017	MANAGE	MANAGEMENT PARTNERS	1,796.96	Temporary Finance Manager Help
045928	11/9/2017	NORTH 1	NORTH AMERICAN TITLE	5.96	
045929	11/9/2017	NORTH 2	NORTH AMERICAN TITLE CO	97.27	
045930	11/9/2017	NORWOOD	NORWOOD CONSTRUCTION	100,905.74	Mfgt I.T. BLDG
045931	11/9/2017	NOVEY	NOVEY LAW GROUP, APC CLIENT	125,000.00	Settlement

045932	11/9/2017	PEST	TRUST C/O LEE FARMER	80.00	
045933	11/9/2017	RBI	PEST CONTROL CENTER INC	2,325.00	722-17 Compliance Reporting Services
045934	11/9/2017	ROOCO	ROBERTSON-BRYAN, INC	831.75	Materials & Supplies-Kent Street
045935	11/9/2017	ROOCO	ROOCO RENTS	833.60	Materials & Supplies-Kent Street
045936	11/9/2017	ROOCO	ROOCO RENTS	759.70	Materials & Supplies-Kent Street
045937	11/9/2017	ROOCO	ROOCO RENTS	902.55	Materials & Supplies-Kent Street
045938	11/9/2017	ROTH	ROTH STAFFING COMPANIES, L.P.	1,084.88	Temporary Customer Service Help
045939	11/9/2017	ROTO RO	ROTO-ROOTER PLUMBERS	650.00	Repairs & Maintenance-ADMIN
045940	11/9/2017	SHAW	STEVE SHAW	188.32	Travel Reimbursement
045941	11/9/2017	SIERRA	SIERRA OFFICE SUPPLIES	155.59	VOID
045942	11/9/2017	SIERRA	SIERRA OFFICE SUPPLIES	155.59	VOID
045943	11/9/2017	SIERRA	SIERRA OFFICE SUPPLIES	155.59-	VOID
045944	11/15/2017	TOSHIBA	TOSHIBA FINANCIAL SERVICES	593.01	
045945	11/15/2017	A. TEIC	A. TEICHERT & SON, INC	174.68	Materials & Supplies-Kent Street
045946	11/15/2017	A. TEIC	A. TEICHERT & SON, INC	512.07	Materials & Supplies-OPS
045947	11/15/2017	A. TEIC	A. TEICHERT & SON, INC	144.58	Materials & Supplies-Kent Street
045948	11/15/2017	AIR QUA	AIR QUALITY	6,500.00	Permit to Operate Renewal 17-18
045949	11/15/2017	AMAZON	AMAZON CAPITAL SERVICES	14.10	
045950	11/15/2017	AMAZON	AMAZON CAPITAL SERVICES	54.50	
045951	11/15/2017	BRENNITA	BRENNITAG PACIFIC, INC	1,426.59	Materials/Supplies-Treatment
045952	11/15/2017	BRINKS	BRINK'S INCORPORATED	316.24	
045953	11/15/2017	BSK4	BSK ASSOCIATES	85.00	Sampling-Treatment
045954	11/15/2017	BSK4	BSK ASSOCIATES	85.00	Sampling-Treatment
045955	11/15/2017	BSK4	BSK ASSOCIATES	30.00	Sampling-Treatment
045956	11/15/2017	BSK4	BSK ASSOCIATES	85.00	Sampling-Treatment
045957	11/15/2017	BSK4	BSK ASSOCIATES	85.00	Sampling-Treatment
045958	11/15/2017	BSK4	BSK ASSOCIATES	120.00	Sampling-Treatment
045959	11/15/2017	BSK4	BSK ASSOCIATES	12.00	Sampling-Treatment
045960	11/15/2017	BSK4	BSK ASSOCIATES	120.00	Sampling-Treatment
045961	11/15/2017	BSK4	BSK ASSOCIATES	12.00	Sampling-Treatment
045962	11/15/2017	BSK4	BSK ASSOCIATES	12.00	Sampling-Treatment
045963	11/15/2017	BSK4	BSK ASSOCIATES	12.00	Sampling-Treatment
045964	11/15/2017	BSK4	BSK ASSOCIATES	120.00	Sampling-Treatment
045965	11/15/2017	BSK4	BSK ASSOCIATES	12.00	Sampling-Treatment
045966	11/15/2017	BSK4	BSK ASSOCIATES	12.00	Sampling-Treatment
045967	11/15/2017	BSK4	BSK ASSOCIATES	12.00	Sampling-Treatment
045968	11/15/2017	BSK4	BSK ASSOCIATES	12.00	Sampling-Treatment
045969	11/15/2017	BSK4	BSK ASSOCIATES	15.00	Sampling-Treatment
045970	11/15/2017	BSK4	BSK ASSOCIATES	120.00	Sampling-Treatment
045971	11/15/2017	BSK4	BSK ASSOCIATES	12.00	Sampling-Treatment
045972	11/15/2017	BSK4	BSK ASSOCIATES	12.00	Sampling-Treatment
045973	11/15/2017	BSK4	BSK ASSOCIATES	120.00	Sampling-Treatment
045974	11/15/2017	BSK4	BSK ASSOCIATES	12.00	Sampling-Treatment
045975	11/15/2017	CAP RUB	CAPITAL RUBBER	141.27	Sampling-Treatment

EGWD Newsletter

045976	11/15/2017	CCPPM	CCPPM	4,094.50	
045977	11/15/2017	CINTAS	CINTAS	36.59	
045978	11/15/2017	CINTAS	CINTAS	48.40	
045979	11/15/2017	COEG	CITY OF ELK GROVE	19.07	
045980	11/15/2017	CR MATT	MATT RECORE	5.84	Account Closed- Customer Refund
045981	11/15/2017	CRF DAZ	DA JI ZHENG	226.17	Account Closed- Customer Refund
045982	11/15/2017	CRF JWM	JEANETTE WONG MEDINA	786.38	Account Closed- Customer Refund
045983	11/15/2017	CRF O	ORANGE COAST TITLE COMPANY	11.82	Account Closed- Customer Refund
045984	11/15/2017	CRF WBA	WILLIAM B ANTHONY SOLE PROP	72.33	Account Closed- Customer Refund
045985	11/15/2017	CRFID	FIDELITY NATIONAL TITLE CO	86.88	Account Closed- Customer Refund
045986	11/15/2017	CS BK	CARD SERVICES	1,690.08	Conference, Airfare, Parking, Repairs & Maintenance, Contracted Services
045987	11/15/2017	CS JC	CARD SERVICES	1,976.55	Materials & Supplies- Distribution Crew
045988	11/15/2017	CS MJM	CARD SERVICES	3,038.26	Conference, Airfare, Meals, Contracted Services
045989	11/15/2017	CS RS	CARD SERVICES	267.73	Materials & Supplies-Utility Crew
045990	11/15/2017	CS SS	CARD SERVICES	2,267.13	Materials & Supplies-Treatment
045991	11/15/2017	CSDA	CALIF SPECIAL DISTRICTS ASSOC.	6,842.00	2018 CSDA Membership Renewal
045992	11/15/2017	DMV	DMV	7.00	
045993	11/15/2017	EG FORD	ELK GROVE FORD	41.75	
045994	11/15/2017	ESRI	ENVIRONMENTAL SYSTEMS	26,935.56	ARC GIS Year 2 of 3
			RESEARCH INSTITUTE, INC		
045995	11/15/2017	FASTENA	FASTENAL COMPANY	89.69	
045996	11/15/2017	FASTENA	FASTENAL COMPANY	32.30	
045997	11/15/2017	FASTENA	FASTENAL COMPANY	11.23	
045998	11/15/2017	FERRELL	FERRELLGAS	53.76	
045999	11/15/2017	FIDELIT	FIDELITY NATIONAL TITLE COMP.	210.73	Account Closed- Customer Refund
046000	11/15/2017	GOLDEN	GOLDEN STATE FLOW	317.46	
046001	11/15/2017	GOLDEN	GOLDEN STATE FLOW	443.66	
046002	11/15/2017	HACH	HACH COMPANY	40.49	Fuel
046003	11/15/2017	INT STA	INTERSTATE OIL COMPANY	1,953.53	
046004	11/15/2017	KAISER2	KAISER FOUNDATION HEALTH PLAN	95.00	Temporary Finance Manager Help
046005	11/15/2017	MANAGE	MANAGEMENT PARTNERS	1,690.69	Refund of Water Permit Fee
046006	11/15/2017	MARTIN	MARTIN BROTHERS	340.58	Refund of Water Permit Fee
046007	11/15/2017	MARTIN	MARTIN BROTHERS	787.04	Mileage Reimbursement
046008	11/15/2017	MAXWELL	DENISE MAXWELL	14.45	Materials & Supplies-Kent Street
046009	11/15/2017	NTS	NTS MIKEDON. LLC	525.00	
046010	11/15/2017	NTS	NTS MIKEDON. LLC	26.00	
046011	11/15/2017	NTS	NTS MIKEDON. LLC	554.40	Materials & Supplies-Kent Street
046012	11/15/2017	PACE	PACE SUPPLY CORP	770.85	Materials & Supplies-Distribution
046013	11/15/2017	PACE	PACE SUPPLY CORP	563.72	Materials & Supplies- Kent Street
046014	11/15/2017	PACE	PACE SUPPLY CORP	101.84	Materials & Supplies- RRWTF MOD Meet Room & I.T. Center
046015	11/15/2017	PACE	PACE SUPPLY CORP	405.80	Materials & Supplies-Distribution
046016	11/15/2017	PAULA M	PAULA MAITA & COMPANY	616.08	Materials & Supplies-OPS
046017	11/15/2017	PAULA M	PAULA MAITA & COMPANY	1,045.72	Materials & Supplies-OPS
046018	11/15/2017	PAULA M	PAULA MAITA & COMPANY	90.48	Materials & Supplies-OPS
046019	11/15/2017	PAULA M	PAULA MAITA & COMPANY	339.47	Materials & Supplies-OPS
046020	11/15/2017	PAULA M	PAULA MAITA & COMPANY	305.82	Materials & Supplies-OPS

046021	11/15/2017	PG&E	PACIFIC GAS & ELECTRIC COMPANY	21.21	
046022	11/15/2017	PURCH	PURCHASE POWER	16.16	
046023	11/15/2017	RDO 1	RDO TRUST # 80-5800	92.36	
046024	11/15/2017	ROOCO	ROOCO RENTS	654.48	Materials & Supplies-Kent Street
046025	11/15/2017	ROOCO	ROOCO RENTS	437.15	Materials & Supplies-Kent Street
046026	11/15/2017	ROOCO	ROOCO RENTS	831.75	Materials & Supplies-Kent Street
046027	11/15/2017	ROOCO	ROOCO RENTS	39.47	Materials & Supplies-Distribution
046028	11/15/2017	ROOCO	ROOCO RENTS	911.90	Materials & Supplies-Kent Street
046029	11/15/2017	ROOCO	ROOCO RENTS	916.30	Materials & Supplies-Kent Street
046030	11/15/2017	ROOCO	ROOCO RENTS	267.90	Materials & Supplies-Kent Street
046031	11/15/2017	ROOCO	ROOCO RENTS	906.95	Materials & Supplies-Kent Street
046032	11/15/2017	ROOCO	ROOCO RENTS	903.65	Materials & Supplies-Kent Street
046033	11/15/2017	ROOCO	ROOCO RENTS	165.24	Materials & Supplies-Kent Street
046034	11/15/2017	ROTH	ROTH STAFFING COMPANIES, L.P.	819.34	Temporary Customer Service Help
046035	11/15/2017	SAC 5	SACRAMENTO COUNTY	19.00	
046036	11/15/2017	SIERRA	SIERRA OFFICE SUPPLIES	141.88	
046037	11/15/2017	SUMMIT	AIR WORKS INC	181.50	
046038	11/15/2017	VERIZON	VERIZON WIRELESS	498.31	
046039	11/21/2017	A. TEIC	A. TEICHERT & SON, INC	224.63	
046040	11/21/2017	BAY ALA	BAY ALARM COMPANY	446.55	
046041	11/21/2017	BAY ALA	BAY ALARM COMPANY	43.59	
046042	11/21/2017	BG SOLU	SOLUTIONS BY BG INC.	4,995.00	
046043	11/21/2017	CR FID	FIDELITY NATIONAL TITLE	32.49	
046044	11/21/2017	CRCHIC	CHICAGO TITLE	42.88	
046045	11/21/2017	CRF JIH	JIM HUYNH	54.35	
046046	11/21/2017	CRF LEN	LENNAR HOMES CA, INC	1.57	
046047	11/21/2017	CRF MIA	MICHAEL ALVAREZ	119.39	
046048	11/21/2017	CRF PER	PERIDOT REALTY INC	38.35	
046049	11/21/2017	CRF POC	POPULAR CARRIER INC	135.20	
046050	11/21/2017	CRF WAB	WADE BYRD	87.01	
046051	11/21/2017	CRFAND	ANTELMO DIAZ	46.11	
046052	11/21/2017	CRFDODO	DAVID OGDEN & DIANN OGDEN	157.00	
046053	11/21/2017	CRFGRS	GREGORY STONE & ROSARIO	19.76	
046054	11/21/2017	CRFJAS	JAMES STEFANI	170.73	
046055	11/21/2017	CRFJOL	JODY LAKEMAN	75.00	
046056	11/21/2017	CRFMFT	MICHAEL FAUGHN & TAMI FAUGHN	152.76	
046057	11/21/2017	CRFOLD1	OLD REPUBLIC TITLE COMPANY	12.74	
046058	11/21/2017	CRFORA	ORANGE COAST TITLE	11.29	
046059	11/21/2017	CRFST6	STEWART TITLE OF SACRAMENTO	5.88	
046060	11/21/2017	EG FORD	ELK GROVE FORD	115.91	
046061	11/21/2017	EMPLOYE	EMPLOYEE BASED SYSTEMS	200.00	
046062	11/21/2017	FASTENA	FASTENAL COMPANY	56.57	
046063	11/21/2017	FID 12	FIDELITY NATIONAL TITLE	82.92	
046064	11/21/2017	FRI 11	FIRST AMERICAN TITLE	29.10	
046065	11/21/2017	GRAINGE	GRAINGER	212.90	
046066	11/21/2017	GRAINGE	GRAINGER	96.88	

046067	11/21/2017	JMENDOZ	JOSE MENDOZA	90.89	
046068	11/21/2017	JOE'S	JOE'S WORK WEAR	139.97	
046069	11/21/2017	MEYERS	MEYERS NAVE PROFESSIONAL LAW CORPORATION	15,036.45	Legal for October
046070	11/21/2017	MOD H	MODERN HOMES INC	7.20	
046071	11/21/2017	NTS	NTS MIKEDON. LLC	324.00	Materials & Supplies-Kent Street
046072	11/21/2017	PERMANE	THE PERMANENTE MEDICAL GROUP	244.00	
046073	11/21/2017	PLA10	PLACER TITLE	221.42	
046074	11/21/2017	REPUBLI	REPUBLIC SERVICES #922	77.48	
046075	11/21/2017	ROB MER	ROBERT MERRIT	850.00	
046076	11/21/2017	ROOCO	ROOCO RENTS	838.00	Materials & Supplies-Kent Street
046077	11/21/2017	ROOCO	ROOCO RENTS	524.80	Materials & Supplies-Kent Street
046078	11/21/2017	ROOCO	ROOCO RENTS	211.60	Materials & Supplies-Kent Street
046079	11/21/2017	ROOCO	ROOCO RENTS	838.00	Materials & Supplies-Kent Street
046080	11/21/2017	ROOCO	ROOCO RENTS	838.00	Materials & Supplies-Kent Street
046081	11/21/2017	ROOCO	ROOCO RENTS	252.60	Materials & Supplies-Kent Street
046082	11/21/2017	SIERRA	SIERRA OFFICE SUPPLIES	164.21	
046083	11/21/2017	SWRCB2	SWRCB-DWOCB	60.00	
046084	11/21/2017	ZOOM	ZOOM IMAGING SOLUTIONS, INC	322.64	

Total: 580,850.75

Elk Grove Water District
Active Account Information
11/30/2017

	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE
Water Accounts:												
Metered												
Residential	11,787	11,811	11,786	11,812	11,789							
Commercial	527	526	527	527	527							
Fire Service	175	175	177	178	177							
Total Accounts	12,489	12,512	12,490	12,517	12,493	-	-	-	-	-	-	-

Elk Grove Water District
Active Account Information
FY 2016/2017

	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE
Water Accounts:												
Metered												
Residential	11,670	11,674	11,671	11,800	11,784	11,779	11,780	11,782	11,792	11,801	11,805	11,803
Commercial	520	521	523	525	524	525	524	526	528	524	525	528
Fire Service	174	174	175	175	175	175	175	175	176	175	175	175
Total Accounts	12,364	12,369	12,369	12,500	12,483	12,479	12,479	12,483	12,496	12,500	12,505	12,506

Elk Grove Water District

Bond Covenant Status

For Fiscal Year 2017-18

As of November 30, 2017

Adjusted for Prepayments and Unbilled Revenue

Operating Revenues:

Charges for Services	\$	6,642,137
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Operating Expenses:

Salaries & Benefits (2)		1,452,772
Seminars, Conventions and Travel		11,318
Office & Operational		431,920
Purchased Water		1,457,271
Outside Services		374,330
Equipment Rent, Taxes, and Utilities		173,005
Total Operating Expenses		3,900,617

Income From Operations

\$ 2,741,520

Annual Interest & Principal Payments

\$3,823,349		1,593,062 (1)
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Debt Service Coverage Ratio, YTD Only:

1.72

Required

1.15

Notes:

1. **Reflects budget divided by number of months year to date.**
However, first Principal/Interest Payments made in September.
Projected Annual Budget Coverage Ratio is **1.41**
2. Reflects only YTD due to CalPERS, not entire prepayment for year.

Elk Grove Water District
Year to Date Revenues and Expenses Compared to Budget
As of November 30, 2017

General Ledger Reference	YTD Activity	Annual Budget	5/12=41.67% Variance	% Realized	
Revenues	4100 - 4900	6,642,137	14,294,096	(7,651,960)	46.47%
Est. Total Revenues YTD (Including Unbilled)		6,642,137	14,294,096	(7,651,960)	46.47%
Salaries & Benefits	5100 - 5280	1,590,454	\$4,109,177	(\$2,518,723)	38.70%
less Capitalized Labor		(60,882)	(\$560,829)	\$499,947	10.86%
Less CalPERS Prepayment for Remainder of Year: (3)		(76,799)		(\$76,799)	
Adjusted Salaries and Benefits: (3)		1,452,772	3,548,348	(2,095,576)	40.94%
Seminars, Conventions and Travel	5300 - 5350	11,318	\$50,500	(\$39,182)	22.41%
Office & Operational	5410 - 5494	431,920	\$984,881	(\$552,961)	43.86%
Purchased Water est. (4)	5495 - 5495	1,457,271	\$3,010,765	(\$1,553,494)	48.40%
Outside Services	5505 - 5580	374,330	\$896,110	(\$521,780)	41.77%
Equipment Rent, Taxes, Utilities	5620 - 5760	173,005	\$409,000	(\$235,995)	42.30%
Total Operational Expenses		3,900,617	8,899,604	(4,998,987)	43.83%
Net Operations		2,741,520	5,394,492	-\$2,652,972	50.82%
Non-Operating Revenue					
Interest Received (5)	9910 - 9910	2,348	110,000	(107,652)	2.13%
Other Income/Expense	9920 - 9973	(109,061)	14,900	(123,961)	-731.96%
		(106,714)	124,900	(231,614)	-85.44%
Non-Operating Expenses					
Election Costs	9950 - 9950	-	-	-	
All other Non-Operating Expenses					
Capital Expenses (2):					
Capital Improvements		274,634	980,000	(705,366)	28.02%
Capital Replacements		220,188	576,000	(355,812)	38.23%
Equipment	1705 - 1760	22,647	100,000	(77,353)	22.65%
Unforeseen Capital Projects		-	100,000	(100,000)	0.00%
Capital Expenses:		517,470	1,756,000	(1,238,530)	29.47%
Bond Interest Accrued	7300 - 7300	754,729	1,833,349	(1,078,620)	41.17%
Total Non Operating Expenses		1,272,199	3,589,349	(2,317,150)	35.44%
Revenues in Excess of All Expenditures, including Capital		1,362,608	1,930,043	(567,436)	70.60%
Bond Retirement (1):		1,990,000	1,990,000	-	100.00%
Net Position after Capital and Debt Retirement Expenditures		(627,392)	(59,957)	(567,436)	

Notes:

- Bond retirement payments are made two times a year in September and March.
- YTD Activity includes \$60,882 in capitalized labor charged to capital projects.
- The District prepays CalPERS for the employers' share of retirement costs for the entire year. By doing this, the District saves approximately 3.7% in its total CalPERS payments for the year. The adjusted salaries and benefits above shows what salaries and benefits would be if only the amount due to CalPERS YTD was paid YTD, with no prepayment.
- There is a lag in water billings from the Sacramento Water District. Included above is an estimate of costs to date based on water used.
- Interest revenue also includes unrealized gains and losses to adjust investment holdings to FMV at the end of each month.

Consultant Expenses
November 30, 2017

Fiscal Retainer Contracts

Consultant	Description	Current Month	Paid to date	Budget/Contract Amount	Percent of year (42%)
Meyers Nave Professional Law Corp	Task orders	15,036	81,579	130,000	62.75%
Solutions by BG, Inc.	Task orders	10,185	53,334	127,920	41.69%

Major Contracts*

Consultant	Description	Current Month	Paid to date	Budget/Contract Amount	Percent of Contract Amount
Eaton Pumps Sales & Service	Well 1D Rehab	87,718	\$87,718	86,968	100.86%
HDR Engineering, Inc	Water Rate Study			77,370	0.00%
Norwood Construction Services	Meeting & I.T. BLDG	100,906	\$239,575	554,811	43.18%

*major contracts over \$50,000

**Elk Grove Water District
Major Capital Improvement Project
Budget vs Actuals
November 30, 2017**

Capital Project	Total Project		Total		Capitalized		Fund Type	Project Type	2017-18		Nov Project Exp	Total YTD (1)	YTD % Spent
	Budget	Project Exp to Date	Percent Spent	Labor	Labor	Budget			Project Exp				
Radio Antennas	\$80,000	666	0.83%	\$0	\$0	CIP	Treatment	\$80,000	-	-	666	0.83%	
RRWTF Modular Meeting Room/IT Center	\$550,000	290,053	52.74%	\$552	\$552	CIP	Building and Site	\$550,000	101,561	101,561	248,868	45.25%	
Service Line Replacements	\$500,000	339,502	67.90%	\$17,935	\$17,935	CIP	Supply/Distribution	\$250,000	-	-	22,885	9.15%	
Well 8 Pump Replacement	\$100,000	2,215	2.22%	\$0	\$0	CIP	Treatment	\$100,000	-	-	2,215	2.22%	
Truck Replacements	\$100,000	22,647	22.65%	\$0	\$0	CIP	Building and Site	\$100,000	-	-	22,647	22.65%	
Backyard Water Mains/Service Replacement	\$138,000	-	0.00%	\$0	\$0	R&R	Supply/Distribution	\$138,000	-	-	-	0.00%	
Kent Street Water Main	\$280,000	117,461	41.95%	\$42,395	\$42,395	R&R	Supply/Distribution	\$280,000	39,510	39,510	117,461	41.95%	
Media Replacement Filter Vehicles	\$100,000	55,106	55.11%	\$0	\$0	R&R	Treatment	\$50,000	-	-	-	0.00%	
Well 9 Fence Replacement	\$15,000	4,814	32.09%	\$0	\$0	R&R	Building and Site	\$15,000	-	-	4,814	32.09%	
Well Rehabilitation (One Year)	\$93,000	97,914	105.28%	\$0	\$0	R&R	Supply/Distribution	\$93,000	87,718	87,718	97,914	105.28%	
Unforeseen Capital Projects	\$100,000	-	0.00%	\$0	\$0	-	-	\$100,000	-	-	-	0.00%	
Sub-Total	\$2,056,000	\$930,377	45.25%	\$60,882	\$60,882			\$1,756,000	228,789	228,789	517,470	29.47%	

(1) Includes \$60,882 in capitalized labor through 11/30/17

December 20, 2017

TO: Chairperson and Directors of the Florin Resource Conservation District
FROM: Stefani Phillips, Board Secretary
SUBJECT: **COMMITTEE MEETINGS**

RECOMMENDATION

No action is required at this time.

SUMMARY

The Board has requested a monthly summary of committee meetings. There were no committee meetings in the month of November.

DISCUSSION

Background

At the Regular Board Meeting held on May 27, 2015, the FRCD Board of Directors determined that the committee meeting minutes will be brought to the FRCD Regular Board Meeting and placed under agenda item Committee Meetings. The agenda item Committee Meetings, were placed after Consent Calendar for approval. This item may be moved within the agenda, if necessary, by direction from Chairperson. The committee meeting minutes shall be accepted by the FRCD Board of Directors.

Present Situation

No committee meetings were held in the month of November.

ENVIRONMENTAL CONSIDERATIONS

There are no direct environmental considerations associated with this report.

STRATEGIC PLAN CONFORMITY

This item is in keeping with the District's Business Practice goals of the 2012-2017 Strategic Plan.

December 20, 2017

COMMITTEE MEETINGS

Page 2

FINANCIAL SUMMARY

There is no financial impact associated with this item at this time.

Respectfully Submitted,



STEFANI PHILLIPS,
BOARD SECRETARY

December 20, 2017

TO: Chairman and Directors of the Florin Resource Conservation District
FROM: Mark J. Madison, General Manager
SUBJECT: **PUBLIC HEARING – PUBLIC HEALTH GOAL REPORT**

RECOMMENDATION

It is recommended that the Florin Resource Conservation District Board of Directors, 1) hold a public hearing to receive public comment regarding the proposed acceptance of a Public Health Goal Report, and 2) accept the Public Health Goal Report pending public comments.

SUMMARY

The California Health and Safety Code (Code) requires that public water systems serving more than 10,000 service connections prepare a written report every three (3) years that documents detections of any constituents in drinking water that exceed a public health goal. To satisfy this requirement, the Elk Grove Water District (EGWD) completed a report entitled “2016 Report on Water Quality Relative to Public Health Goals” (Attachment 1). The Code requires that a public hearing be held to receive public comments regarding the Public Health Goal Report before the report is accepted by the Board of Directors.

DISCUSSION

Background

A public health goal (PHG) is the level of a chemical contaminant in drinking water that does not pose a significant risk to health. Unlike the Drinking Water Regulations (California Code of Regulations Title 22) which set maximum contaminant levels (MCLs) of constituents in drinking water, PHGs are not regulatory standards, and therefore, not enforceable. State law, however, requires the State Water Resources Control Board (SWRCB) to set drinking water standards for chemical contaminants as close to the corresponding PHG as is economically and technologically feasible. In many cases, it is not be feasible for the SWRCB to set the drinking water standard MCL of a contaminant at the same level as the PHG. The technology to treat the chemicals may not be available, or the cost of treatment may be very high.

PUBLIC HEARING – PUBLIC HEALTH GOAL REPORT

Page 2

Present Situation

In compliance with state law, EGWD has prepared a Public Health Goal Report entitled “2016 Report on Water Quality Relative to Public Health Goals”. State law requires that a public hearing be held to receive public comments regarding the Public Health Goal Report before the report is accepted by the Board of Directors. The public hearing must be noticed in an adjudicated newspaper of general circulation with a publication date at least ten days prior to the date of the hearing. EGWD noticed the public hearing in the Elk Grove Citizen on December 8, 2017.

For the EGWD drinking water system, the constituents detected that exceeded PHG levels are arsenic, hexavalent chromium, gross alpha, uranium and total coliform bacteria. Table 1 on page 3 of the PHG Report lists these constituents and the levels at which they occurred. It is explicitly noted that each of these drinking water constituents is below the maximum contaminant level (MCL) set by state law, and that EGWD’s drinking water system is fully compliant with state law.

ENVIRONMENTAL CONSIDERATIONS

There are no environmental considerations associated with this item.

STRATEGIC PLAN CONFORMITY

The recommendations made in this staff report conforms to the FRCD/EGWD’s 2012-2017 Strategic Plan. The Strategic Plan directs EGWD to comply with all laws at all times.

FINANCIAL SUMMARY

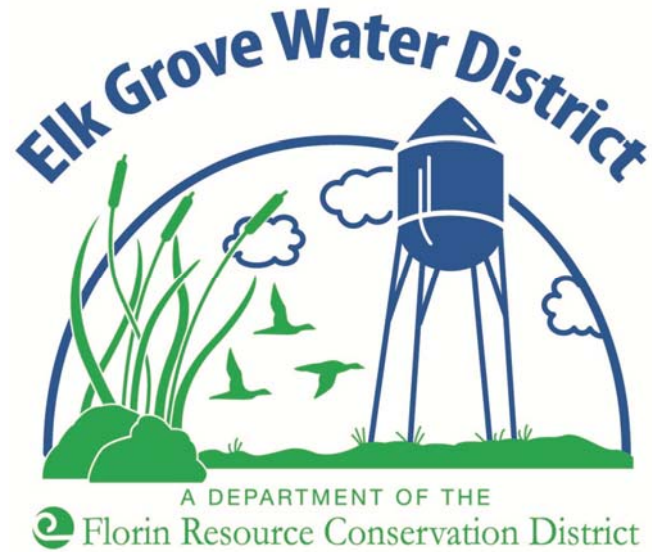
The Public Health Goal Report was prepared by EGWD’s contracted professional consultant, Robertson-Bryan, Inc., at a cost of \$2,325.

Respectfully submitted,



MARK J. MADISON
GENERAL MANAGER

Attachment



2016 Report on Water Quality Relative to Public Health Goals

Prepared for:
ELK GROVE WATER DISTRICT
9257 Elk Grove Blvd.
Elk Grove, CA 95624
(916) 685-3556
<http://www.egwd.org/>

Prepared by:

9888 Kent Street
Elk Grove, CA 95624
(916) 714-1801

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List of Acronyms and Abbreviations

ACWA	Association of California Water Agencies
BAT	Best Available Technology
DDW	Division of Drinking Water, State Water Resources Control Board
DLR	detection limit for purposes of reporting
EGWD	Elk Grove Water District
MCL	Maximum Contaminant Level
MCLG	Maximum Contaminant Level Goal
OEHHA	California Office of Environmental Health Hazard Assessment
PHG	Public Health Goal
pCi/L	picocuries per liter
SCWA	Sacramento County Water Agency
USEPA	United States Environmental Protection Agency
µg/L	micrograms per liter

Background

The California Health and Safety Code Section 116470(b) specifies that public water systems serving more than 10,000 service connections prepare a brief written report every three years that documents detections of any constituents in drinking water that exceed a Public Health Goal (PHG). PHGs are non-enforceable goals established by the California Office of Environmental Health Hazard Assessment (OEHHA). The law also requires that where OEHHA has not adopted a PHG for a constituent, public water systems are to use the Maximum Contaminant Level Goal (MCLG) adopted by the United States Environmental Protection Agency (USEPA). Only constituents that have both a California primary drinking water Maximum Contaminant Level (MCL) and a PHG (or MCLG if no PHG exists) are to be addressed in this report.

This report addresses constituents detected in Elk Grove Water District's (EGWD) drinking water supply during calendar years 2013 through 2015 at a level exceeding an applicable PHG or MCLG and provides the required information for each constituent. The required information includes: the category or type of risk to health that could be associated with each constituent; the numerical public health risk associated with the primary MCL and the PHG or MCLG; the Best Available Technology (BAT) that could be used to reduce the constituent level; and an estimate of the cost to install that treatment.

What are PHGs?

PHGs are set by OEHHA and are non-enforceable goals based solely on public health risk considerations. The practical risk-management factors considered by the USEPA or the State Water Resources Control Board, Division of Drinking Water (DDW) in setting drinking water MCLs are not addressed in setting the PHGs. These practical risk-management factors include: analytical detection capability, treatment technology available, benefit and costs. The PHGs are not enforceable and are not required to be met by any public water system. MCLGs are the federal equivalent to PHGs.

Water Quality Data Considered

Water for the EGWD system is supplied by two water providers, EGWD and Sacramento County Water Agency (SCWA) as follows:

- Service Area 1 – local groundwater from EGWD
- Service Area 2 – local groundwater from SCWA, with periodic surface water from SCWA

Service Area 1 has approximately 8,000 customers and Service Area 2 has approximately 4,300 customers. A map of the service areas is provided below in Figure 1.

The water quality data that was collected from EGWD and SCWA's water system for purposes of determining compliance with drinking water standards was utilized to prepare this report. The results are summarized in the 2015 Consumer Confidence Report (published in 2016), which is available on the District's website (<http://www.egwd.org/waterquality.html>) and was mailed to all of our customers.

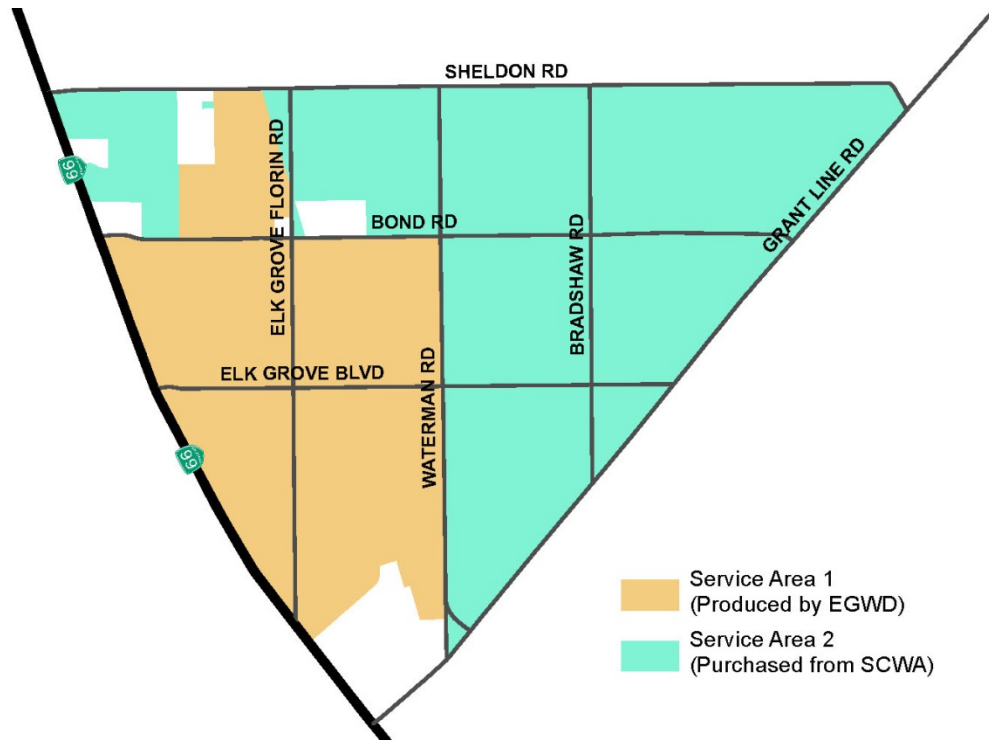


Figure 1. Elk Grove Water District Service Area Boundaries.

Guidelines Followed

The Association of California Water Agencies (ACWA) formed a workgroup to prepare guidelines for water utilities to use in preparing these reports. The ACWA guidelines were updated in 2016 and were utilized in the preparation of this report. No formal guidance for preparing these reports is available from state regulatory agencies.

Best Available Treatment Technology and Cost Estimates

Both the USEPA and DDW have adopted what are known as Best Available Technologies, which are the best known methods of reducing contaminant levels to the MCL. Costs can be estimated for such technologies. However, since many PHGs and all MCLGs are set much lower than the MCL, it is not always possible or feasible to determine what treatment is needed to further reduce a constituent concentration downward to or near the PHG or MCLG, many of which are set at zero. Estimating the costs to reduce a constituent level to zero is difficult, because it is not possible to verify by analytical means that the level has been lowered to zero. In some cases, installing treatment to further reduce very low levels of one constituent may have adverse effects on other aspects of water quality.

Constituents Detected that Exceed a PHG or MCLG

Table 1 presents the constituents that were detected in EGWD’s drinking water system at levels above its PHG, or if no PHG, above the MCLG. These constituents are further discussed in the sections following Table 1.

Constituent (Units)	PHG (MCLG)	MCL	DLR
Arsenic (µg/L)	0.004	10	2
Chromium, Hexavalent (µg/L)	0.02	10 ^a	1
Gross Alpha (pCi/L)	0	15	3
Uranium (pCi/L)	0.43	20	1
Total Coliform Bacteria	0% Positive Samples Per Month	≤5% Positive Samples Per Month	Not applicable

Notes:
 DLR = detection limit for purposes of reporting
 MCL = drinking water maximum contaminant level
 PHG = public health goal
 pCi/L = picocuries per liter of water
 µg/L = micrograms per liter of water
^a On May 31, 2017, the Superior Court of Sacramento County issued a judgment invalidating the hexavalent chromium MCL for drinking water. The court ordered the State Water Resources Control Board to take the necessary actions to delete the hexavalent chromium MCL from the California Code of Regulations and to file with the court by August 15, 2017, proof that it has done so (*California Manufacturers and Technology Association, et al. v. California Department of Public Health, et al.* [Super. Ct. Sacramento County, 2017. No. 34-2014-80001850]). The change became effective with the Office of Administrative Law filing the change with the Secretary of State on September 11, 2017. Thus, as of September 11, 2017, the MCL for hexavalent chromium is no longer in effect. Because the hexavalent chromium MCL was in effect for the data period evaluated herein and there were detected concentrations above the PHG, hexavalent chromium is discussed in this report.

Arsenic

Table 2 summarizes the range and average arsenic concentrations in the EGWD drinking water for Service Areas 1 and 2. The PHG for arsenic is 0.004 micrograms per liter (µg/L). The MCL for arsenic is 10 µg/L. The health risk category associated with arsenic is carcinogenicity. At the PHG, the theoretical cancer risk is 1×10^{-6} . This means the 70-year lifetime cancer risk for drinking water at the PHG is 1 excess case of cancer per 1,000,000 people exposed. At the MCL of 10 µg/L, the theoretical cancer risk is 2.5×10^{-3} . This means the 70-year lifetime cancer risk for drinking water at the MCL is 2.5 excess cases per 1,000 people exposed. The concentrations presented in Table 2 demonstrate that maximum concentrations of arsenic were less than the MCL of 10 µg/L.

Constituent	EGWD Service Area 1 (Groundwater)	EGWD Service Area 2 (SCWA Groundwater)	EGWD Service Area 2 (SCWA Surface Water)
Range (µg/L)	ND – 6.2	ND – 6.3	ND – 3.3
Average (µg/L)	2.1	ND	ND

Source: Elk Grove Water District 2015 Consumer Confidence Report.

The following are identified in California Code of Regulations, Title 22 Section 64447.2 as BATs for reducing arsenic levels in drinking water.

- Activated alumina
- Coagulation/filtration
- Ion Exchange

- Lime softening
- Reverse Osmosis
- Electrodialysis
- Oxidation/filtration

From the above list, further engineering feasibility and review would be necessary to make a determination regarding which treatment method would be most appropriate to implement. For the purposes of this report, the cost evaluation was conducted using ion exchange, given that ion exchange is also a BAT for hexavalent chromium (also addressed in this report).

Within EGWD Service Area 1, of the eight drinking water supply wells that are owned and operated by the EGWD, five have detected concentrations of arsenic above the PHG and it is assumed that these five wells would have ion exchange as the treatment method. The annualized capital and operations and maintenance (O&M) cost is estimated to be \$1.5 million per year, which would be an increased cost for each customer in Service Area 1 of approximately \$190 per year. This cost is based on the maximum production at these five wells during 2013–2015 of 751 million gallons and a unit cost for ion exchange provided in the ACWA guidance document of \$1.99 per one thousand gallons requiring treatment.

The SCWA water purchased for EGWD Service Area 2 also had detections of arsenic above the PHG. It is estimated that the cost per customer for SCWA to implement a BAT would be similar to that described above for Service Area 1.

Hexavalent Chromium

Table 3 summarizes the range and average hexavalent chromium concentrations in the EGWD drinking water for Service Areas 1 and 2. The PHG for hexavalent chromium is 0.02 µg/L. The MCL for hexavalent chromium is 10 µg/L. The health risk category associated with hexavalent chromium is carcinogenicity. At the PHG, the theoretical cancer risk is 1×10^{-6} , which means the 70-year lifetime cancer risk for drinking water at the PHG is 1 excess case of cancer per 1,000,000 people exposed. At the MCL of 10 µg/L, the theoretical cancer risk is 5×10^{-4} , which means the 70-year lifetime cancer risk for drinking water at the MCL is 5 excess cases per 10,000 people exposed. The concentrations presented in Table 3 demonstrate that maximum concentrations of hexavalent chromium were less than the MCL of 10 µg/L.

Table 3. Water Quality Data Summary for Hexavalent Chromium			
Constituent	EGWD Service Area 1 (Groundwater)	EGWD Service Area 2 (SCWA Groundwater)	EGWD Service Area 2 (SCWA Surface Water)
Range (µg/L)	ND – 6.2	ND – 8.9	ND
Average (µg/L)	3.9	1.4	ND

Source: Elk Grove Water District 2015 Consumer Confidence Report.

The following are identified in California Code of Regulations, Title 22 Section 64447.2 as BATs for reducing hexavalent chromium levels in drinking water.

- Coagulation/filtration

- Ion Exchange
- Reverse Osmosis

As discussed for arsenic, further engineering feasibility and review would be necessary to make a determination regarding which would be most appropriate to implement. Hexavalent chromium was detected at concentrations above the PHG in three of the five EGWD wells serving Service Area 1 that also had arsenic detections above its applicable PHG. Thus, for the purposes of this report, the cost evaluation was conducted using ion exchange, given that ion exchange is also a BAT for arsenic.

The annualized capital and O&M cost is estimated to be \$1.1 million per year, which would be an increased cost for each customer in Service Area 1 of approximately \$140 per year. This cost is based on the maximum production at the three wells during 2013–2015 of 557 million gallons and a unit cost for ion exchange provided in the ACWA guidance document of \$1.99 per one thousand gallons requiring treatment.

The SCWA water purchased for EGWD Service Area 2 also had detections of hexavalent chromium above the PHG. It is estimated that the cost per customer for SCWA to implement a BAT for hexavalent would be similar to that described above for Service Area 1.

Radionuclides

Radionuclides detected in the EGWD water system include gross alpha and uranium. These radionuclides were only detected in SCWA groundwater that supplies Service Area 2. **Table 4** summarizes the range and average radionuclide levels in the EGWD drinking water for Service Areas 1 and 2.

The health risk and costs for treatment to reduce levels of these radionuclides are addressed separately for each constituent below.

Table 4. Water Quality Data Summary for Radionuclides			
Constituent	EGWD Service Area 1 (Groundwater)	EGWD Service Area 2 (SCWA Groundwater)	EGWD Service Area 2 (SCWA Surface Water)
Gross Alpha			
Range (pCi/L)	ND	ND – 6.1	ND
Average (pCi/L)	ND	ND	ND
Uranium			
Range (pCi/L)	ND	ND – 6.7	ND
Average (pCi/L)	ND	ND	ND

Source: Elk Grove Water District 2015 Consumer Confidence Report.

Gross Alpha

Gross alpha is a measurement of the overall radioactivity of naturally occurring substances present in water due to radioactive elements breaking down. These can include radium 226, radium 228, and uranium. OEHHA has not established a PHG for gross alpha; the federal MCLG is 0 picocuries per liter of water (pCi/L) due to classification of gross alpha particles as carcinogens. The cancer risk at 0 pCi/L is zero. At the MCL of 15 pCi/L, the theoretical cancer risk is 1×10^{-3} , which means the 70-year lifetime

cancer risk for drinking water at the PHG is 1 excess case of cancer per 1,000 people exposed. The concentrations presented in Table 4 demonstrate that maximum levels of gross alpha were less than the MCL of 15 pCi/L.

The California Code of Regulations, Title 22 Section 64447.3 identifies reverse osmosis as the BAT for reducing gross alpha particle levels in drinking water. The wells in which gross alpha particles were detected are SCWA wells serving EGWD Service Area 2. The annualized capital and operations and maintenance (O&M) cost is estimated to be \$2.8 million per year, which would be an increased cost for each customer in Service Area 2 of approximately \$660 per year. This cost is based on 886 million gallons and a unit cost for reverse osmosis provided in the ACWA guidance document of \$3.22 per one thousand gallons requiring treatment.

Uranium

Uranium is a naturally occurring element present in varying amounts in water, soil, and rock. The PHG for uranium is 0.43 pCi/L. The MCL for uranium is 20 pCi/L. The health risk category associated with uranium is carcinogenicity. At the PHG, the theoretical cancer risk is 1×10^{-6} , which means the 70-year lifetime cancer risk for drinking water at the PHG is 1 excess case of cancer per 1,000,000 people exposed. At the MCL of 20 pCi/L, the theoretical cancer risk is 5×10^{-5} , which means the 70-year lifetime cancer risk for drinking water at the MCL is 5 excess cases per 100,000 people exposed. The concentrations presented in Table 4 demonstrate that maximum concentrations were less than the MCL of 20 pCi/L.

The following are identified in California Code of Regulations, Title 22 Section 64447.3 as BATs for reducing uranium levels in drinking water.

- Coagulation/filtration
- Ion Exchange
- Lime softening
- Reverse Osmosis

The wells in uranium was detected are SCWA wells serving EGWD Service Area 2. For purposes of developing annualized costs, reverse osmosis is selected as the treatment method, because this is also the method for addressing gross alpha particles detected in SCWA wells. As described above for gross alpha, the annualized capital and O&M cost for reverse osmosis is estimated to be \$2.8 million per year, or approximately \$660 per year per customer in Service Area 2.

Total Coliform Bacteria

The MCL for total coliform bacteria is 5% positive samples of all samples per month. There is no PHG for total coliform bacteria; the MCLG is 0% positive samples per month. Coliform bacteria are an indicator organism that are ubiquitous in nature and are not generally considered harmful; they are used because of the ease in monitoring and analysis. The reason for the total coliform bacteria drinking water MCL is to minimize the possibility of the water containing potentially harmful pathogens that cause waterborne disease. If a positive sample is found, it indicates a potential problem that needs to be investigated and

follow up sampling done. It is not at all unusual for a system to have an occasional positive sample. It is difficult, if not impossible, to assure that a system will never get a positive sample. Because coliform is only a surrogate indicator of the potential presence of pathogens, it is not possible to state a specific numerical health risk.

In 2015, five distribution system samples tested positive for total coliform bacteria in a single month. EGWD immediately resampled in accordance with drinking water regulations. All resamples were negative for total coliform bacteria and chlorine residuals were always detectable.

California Code of Regulations, Title 22, Section 64447 lists the following BATs for achieving compliance with the total coliform MCLs:

- Protection of wells from coliform contamination by appropriate placement and construction;
- Maintenance of a disinfectant residual throughout the distribution system;
- Proper maintenance of the distribution system; and
- Filtration and/or disinfection of approved surface water, in compliance with Section 64650, or disinfection of groundwater.

The EGWD implements the above BATs for total coliform bacteria. EGWD adds chlorine at its water sources to assure that the water served is microbiologically safe. The chlorine residual levels are carefully controlled to provide the best health protection without causing the water to have undesirable taste and odor or increasing the disinfection byproduct level. This careful balance of treatment processes is essential to continue supplying our customers with safe drinking water. Other equally important measures that the EGWD has implemented include: an effective cross-connection control program, maintenance of a disinfectant residual throughout the water distribution system, an effective monitoring and surveillance program, and maintaining positive pressures in the distribution system. Surface water from SCWA is treated using conventional filtration and disinfection. Because BAT measures are fully implemented by EGWD, no estimated cost for further treatment is provided.

Recommendations for Further Action

The drinking water quality of the EGWD meets all DDW and USEPA drinking water standards set to protect public health. To further reduce the levels of the constituents identified in this report that are already significantly below the health-based MCLs established to provide “safe drinking water,” additional costly treatment processes would be required. The effectiveness of the treatment processes to provide any significant reductions in constituent levels at these already low values is uncertain. The health protection benefits of these further hypothetical reductions are not at all clear and may not be quantifiable. Therefore, no action is proposed at this time.

December 20, 2017

TO: Chairperson and Directors of the Florin Resource Conservation District
FROM: Mark J. Madison, General Manager
SUBJECT: **ELK GROVE WATER DISTRICT OPERATIONS REPORT – NOVEMBER 2017**

RECOMMENDATION

This item is presented for information only. No action by the Board is proposed at this time.

SUMMARY

The Elk Grove Water District (EGWD) Operations Report is a standing item on the regular board meeting agenda.

All regulatory requirements were met for the month of November. Other notable events are described below.

DISCUSSION

Background

Every month, staff presents an update of the activities related to the operations of the District. Included for the Board's review is the EGWD's November 2017 Operations Report.

Present Situation

The EGWD November 2017 Operations Report highlights are as follows:

- **Operations Activities Summary** – Notable items in the activities summary are that the District hung 650 door hangers for past due balances which resulted in 54 shutoffs. There were 4 water quality complaints and 1 pressure complaint, none of which were validated upon inspection.
- **Production** – The Combined Total Service Area 1 production graph on page 13 shows that production during the month of November decreased 21.45 percent

AGENDA ITEM No. 5

ELK GROVE WATER DISTRICT OPERATIONS REPORT – NOVEMBER 2017

Page 2

compared to November 2016, and is 28.52 percent less than what was produced in 2013. The Total Demand/Production for both service areas on page 14 shows that customer use during the month of November, compared to November 2013, was down by 22.54 percent.

- **Static and Pumping Level Graphs** – The fourth quarter soundings are shown and indicate the some of the static water levels in deeper zones have decreased as compared to 2013.
- **Treatment (Compliance Reporting)** – All samples taken during the month are in compliance with all regulatory permit requirements. No exceedances of any maximum contaminant levels were found and all water supplied to the District's customers met or exceeded safe drinking water standards.
- **Preventative Maintenance Program** – The tables included in this section of the report also include certain activities completed to date. Below is a list of out-of-ordinary maintenance work completed in November:
 - Staff flushed and sampled Well #1D School after completion of the well rehabilitation.
 - Staff facilitated the complete shutdown and testing of the main circuit breaker switch gear at the RRWTP.
 - Staff removed a large chemical holding tank from service at the Hampton Village WTP in order to replace a leaking discharge valve.
- **Backflow Prevention Program 2017** – There were 46 notices issued for the month. From the initial testing notice 34 devices passed and 1 failed. The failed device has been repaired and retested. There were 12 secondary notices issued, of which we have received no passing tests. There is a total of 12 outstanding devices as of this month, which will require further investigation.
- **Safety Meetings/Training** – There were 4 safety training sessions conducted for the month. Only 2 safety sessions are required by OSHA standards.
- **Service Line Replacement Map** – The District did not install any residential service line in the month of November.
- **Service and Main Leaks Map** – There were 3 service line leaks reported for the month.

ELK GROVE WATER DISTRICT OPERATIONS REPORT – NOVEMBER 2017

Page 3

ENVIRONMENTAL CONSIDERATIONS

There are no direct environmental considerations associated with this report.

STRATEGIC PLAN CONFORMITY

The District's Strategic Plan addresses responsible business practices and the importance of providing the community with safe drinking water. The EGWD Operations Report is a key document for managing the District's distribution and treatment system. The EGWD Operations Report assists the District toward its responsibility of delivering safe drinking water.

FINANCIAL SUMMARY

There is no financial impact associated with this report.

Respectfully Submitted,



MARK J. MADISON
GENERAL MANAGER

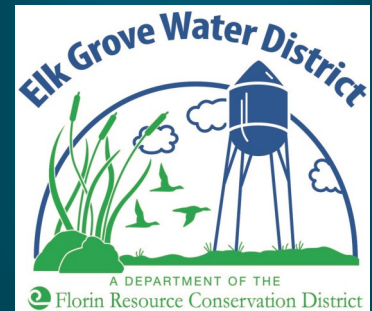
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EGWD

OPERATIONS REPORT

November 2017

Elk
Grove
Water
District



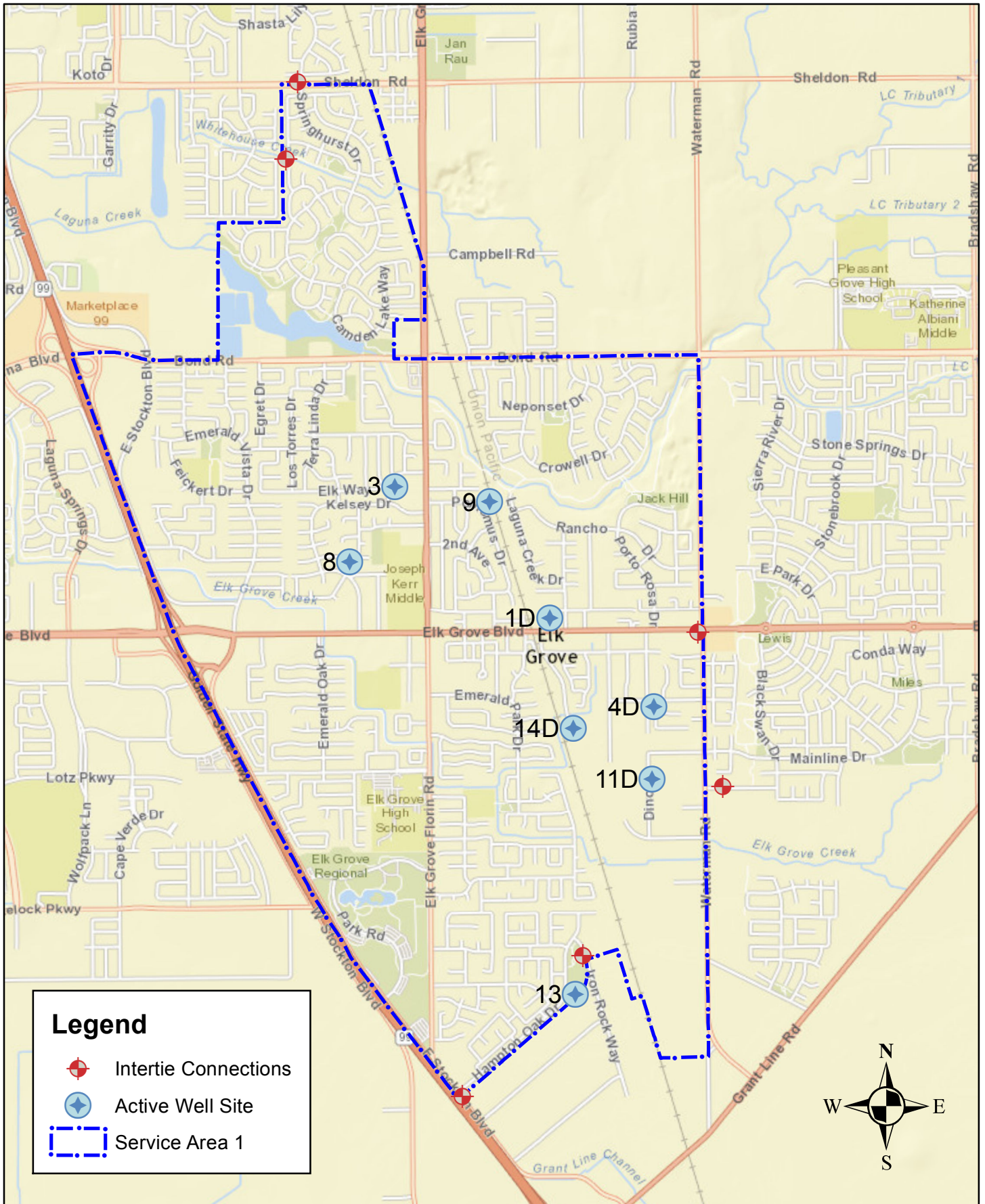
Elk Grove Water District
Operations Report
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Operations Activities Summary

<u>Service Requests:</u>	November-17		YTD (Since July 1, 2017)	
<u>Department</u>	<u>Service Request</u>	<u>Hours</u>	<u>Service Request</u>	<u>Hours</u>
Distribution				
Door Hangers	650	36	3,264	137.65
Shut offs	54	16	319	115
Turn ons	59	8	353	96.35
Investigations	37	21	224	143.70
USA Locates	152	38	823	205.81
Customer Complaints				
-Pressure	1	0.75	29	17.25
-Water Quality	4	4.25	11	10.25
-Other	0	0	0	0

<u>Work Orders:</u>	November-17		YTD (Since July 1, 2017)	
<u>Department</u>	<u>Work Orders</u>	<u>Hours</u>	<u>Work Orders</u>	<u>Hours</u>
Treatment:				
Preventative Maint.	20	39.50	99	264.50
Corrective Maint.	7	70	34	259
Water Samples	12	39	70	245.50
Distribution:				
Meters Installed	4	10	5	10.50
Backflow Devices Installed	0	0	0	0
Preventative Maint.				
-Hydrant Flushing Program	0	0	0	0
-Hydrant Maintenance	161	32	696	190.50
-Valve Exercising	187	47	729	172.50
-Other	0	0	0	0
Corrective Maint.				
-Leaks	3	25	28	691.40
-Other	20	51.75	76	384.85
Valve Locates	1	50.50	20	86.50
Utility:				
Service Line Replacement	0	0	23	387
Corrective Maint.	0	0	0	0

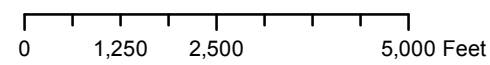


Legend

- ◆ Intertie Connections
- ◆ Active Well Site
- Service Area 1



Active Well Sites & Intertie Connections



Elk Grove Water District



Elk Grove Water District

Monthly Production

Well ID School -- Nov. 2017
(Well Offline)

Selected Month Production
0 Gallons

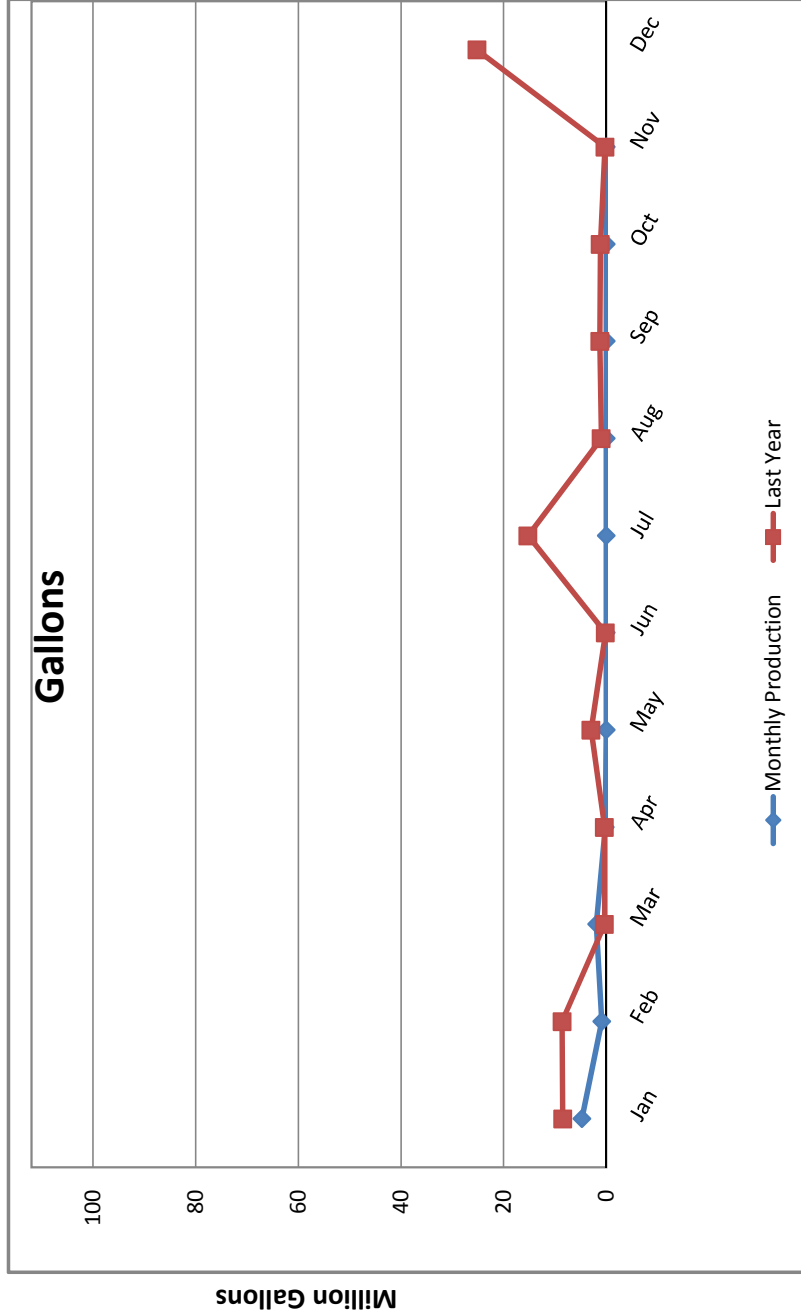
Average GPM: 0

Motor:
Volts: --
Volts (Rated): 460
RPM: --
RPM (Rated): 2115
Amps A: --
Amps A (Rated): 222
Amps B: --
Amps B (Rated): 222
Amps C: --
Amps C (Rated): 222

Motor Temp: -- F
Hour Meter: 0.00
KW Hour Total: 0.00

Chlorine:
Dosing: --
Demand: --
Residual: --

Vibration Reading:
Base Line: 0.05 in/sec
Current: --





Elk Grove Water District

Monthly Production

Well 4D Webb -- Nov. 2017

Selected Month Production
26,851,802 Gallons

Average GPM:
1,704

Motor:

Volts: 475
Volts (Rated): 460
RPM: 1610
RPM (Rated): 1775
Amps A: 189
Amps A (Rated): 225
Amps B: 188
Amps B (Rated): 225
Amps C: 188
Amps C (Rated): 225

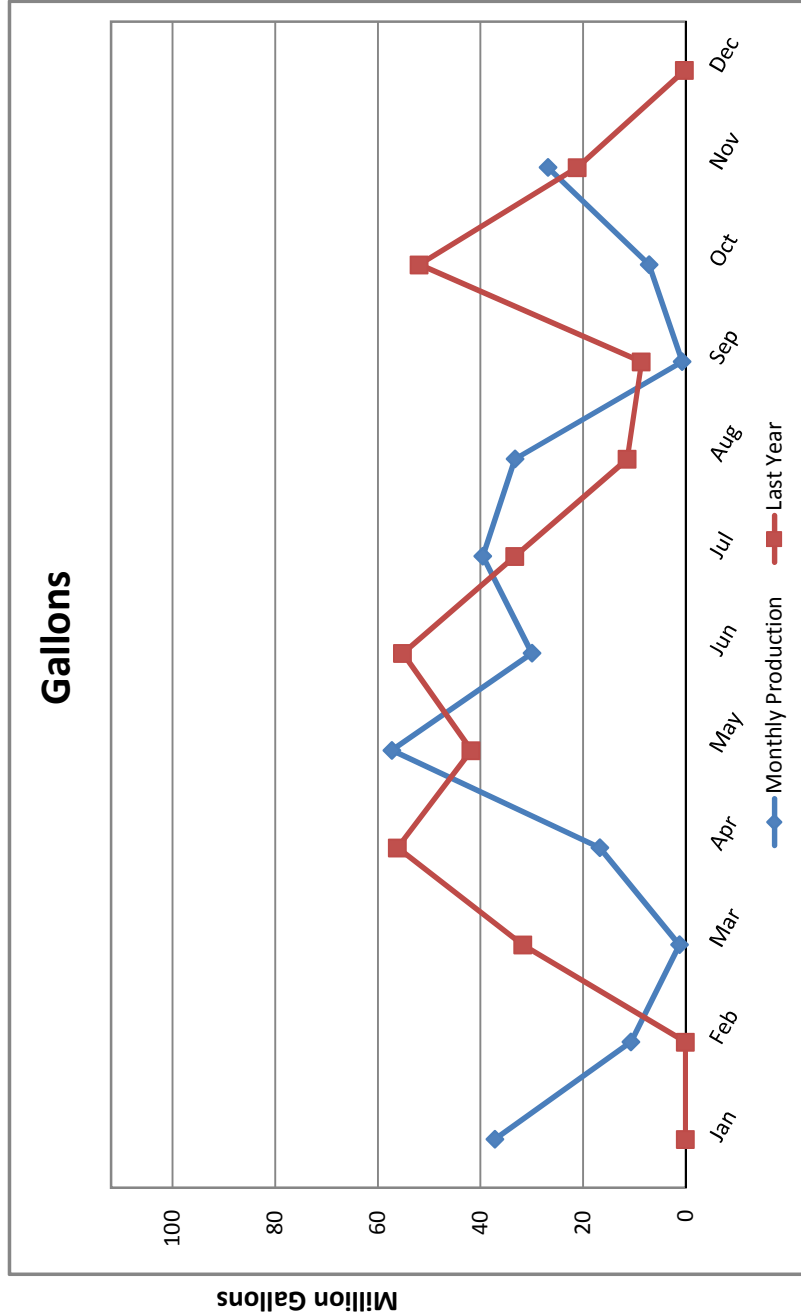
Motor Temp: 124.3 F
Hour Meter: 262.60
KW Hour Total: 34,560.00

Chlorine:

Dosing: 1.75 mg/L
Demand: 0.77 mg/L
Residual: 0.98 mg/L

Vibration Reading:

Base Line: 0.05 in/sec
Current: 0.04 in/sec





Elk Grove Water District

Monthly Production

Well 11D Dino -- Nov. 2017

Selected Month Production
2,170,680 Gallons

Average GPM:
1,698

Motor:

Volts: 479
Volts (Rated): 460
RPM: 1593
RPM (Rated): 1775
Amps A: 182
Amps A (Rated): 225
Amps B: 183
Amps B (Rated): 225
Amps C: 185
Amps C (Rated): 225

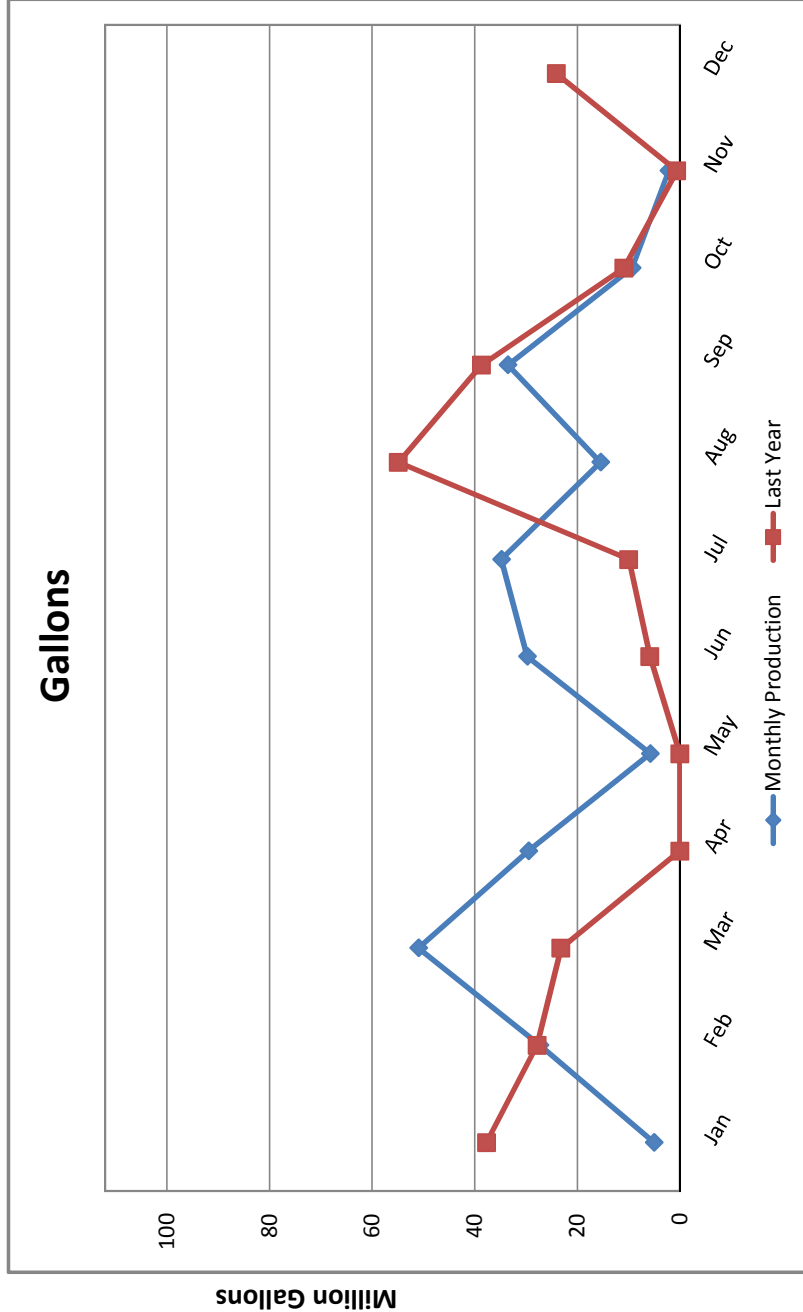
Motor Temp: 109.4 F
Hour Meter: 21.30
KW Hour Total: 4,980.00

Chlorine:

Dosing: 1.77 mg/L
Demand: 0.75 mg/L
Residual: 1.02 mg/L

Vibration Reading:

Base Line: 0.05 in/sec
Current: 0.03 in/sec





Elk Grove Water District

Monthly Production

Well 14D Railroad -- Nov. 2017

Selected Month Production
4,890,068 Gallons

Average GPM:
1,620

Motor:

- Volts: 479
- Volts (Rated): 460
- RPM: 1786
- RPM (Rated): 1785
- Amps A: 162
- Amps A (Rated): 171
- Amps B: 161
- Amps B (Rated): 171
- Amps C: 156
- Amps C (Rated): 171

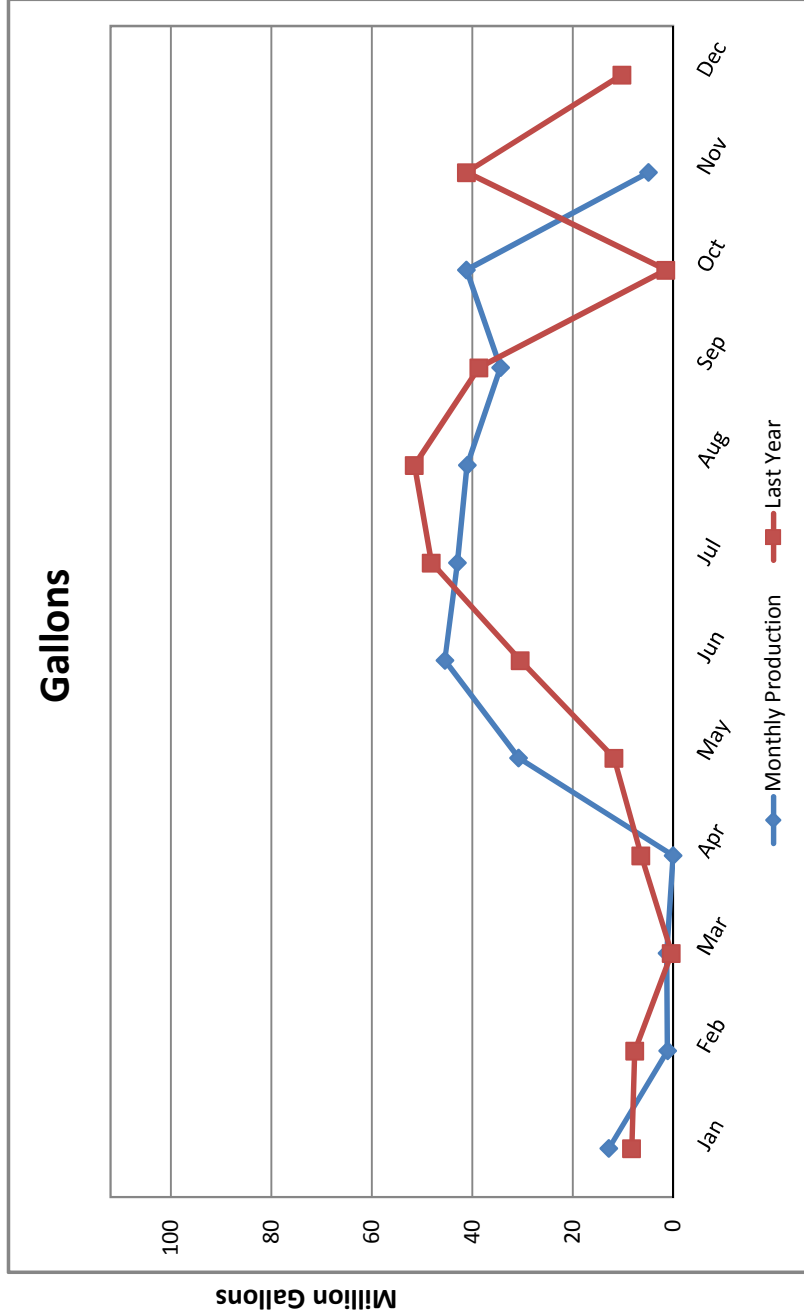
Motor Temp.: 110.0 F
 Hour Meter: 50.30
 KW Hour Total: 41,280.00
 (KWH total is for the entire facility)

Chlorine:

- Dosing: 1.77 mg/L
- Demand: 0.74 mg/L
- Residual: 1.03 mg/L

Vibration Reading:

- Base Line: 0.02 in/sec
- Current: 0.04 in/sec





Elk Grove Water District

Monthly Production

Well 3 Mar–Val -- Nov. 2017

Selected Month Production
112,000 Gallons

Average GPM: 811

Motor:

Volts: 481
 Volts (Rated): 460
 RPM: 1774
 RPM (Rated): 1983
 Amps A: 88
 Amps A (Rated): 88
 Amps B: 87
 Amps B (Rated): 88
 Amps C: 90
 Amps C (Rated): 88

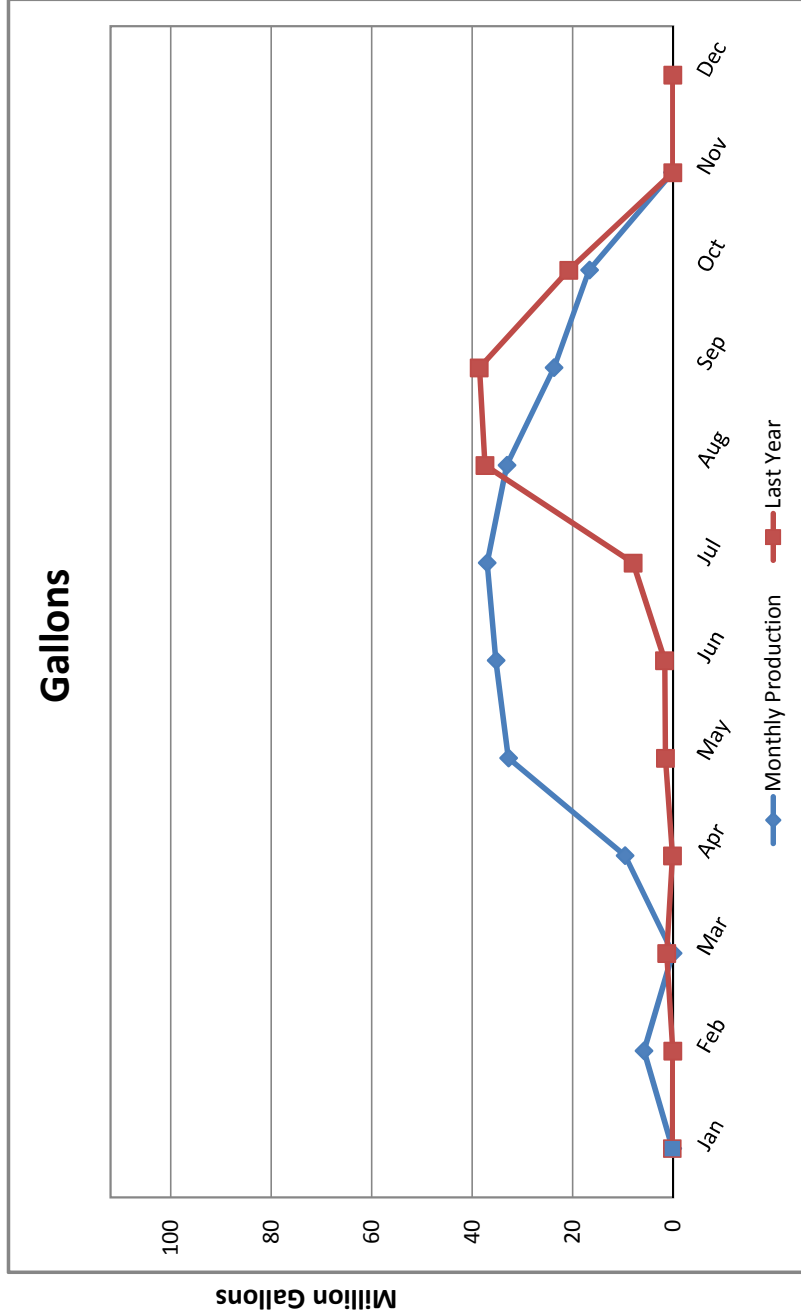
Motor Temp.: 145 F
 Hour Meter: 2.30
 KW Hour Total: 324.00

Chlorine:

Dosing: 1.22 mg/L
 Demand: 0.29 mg/L
 Residual: 0.93 mg/L

Vibration Reading:

Base Line: 0.02 in/sec
 Current: 0.07 in/sec





Elk Grove Water District

Monthly Production

Well 8 Williamson -- Nov. 2017
(Well Offline)

Selected Month Production
0 Gallons

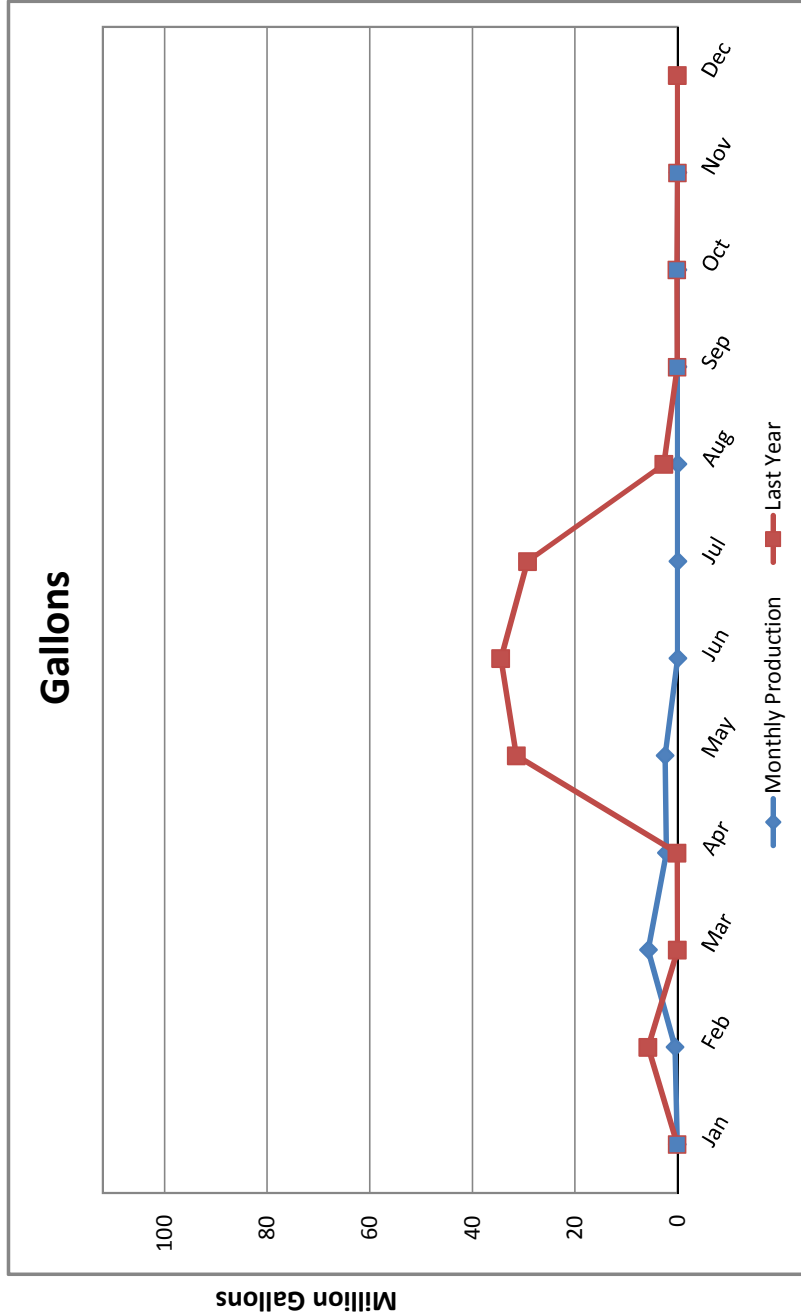
Average GPM: 0

Motor:
Volts: --
Volts (Rated): 460
RPM: --
RPM (Rated): 1780
Amps A: --
Amps A (Rated): 87
Amps B: --
Amps B (Rated): 87
Amps C: --
Amps C (Rated): 87

Motor Temp.: -- F
Hour Meter: 0.00
KW Hour Total: 0.00

Chlorine:
Dosing: --
Demand: --
Residual: --

Vibration Reading:
Base Line: 0.03 in/sec
Current: --





Elk Grove Water District

Monthly Production

Well 9 Polhemus -- Nov. 2017
(Submersible)

Selected Month Production
7,867,000 Gallons

Average GPM: 470

Motor:

Volts: 482

Volts (Rated): 460

Amps A: 59

Amps A (Rated): 65

Amps B: 57

Amps B (Rated): 65

Amps C: 62

Amps C (Rated): 65

Hour Meter: 278.80

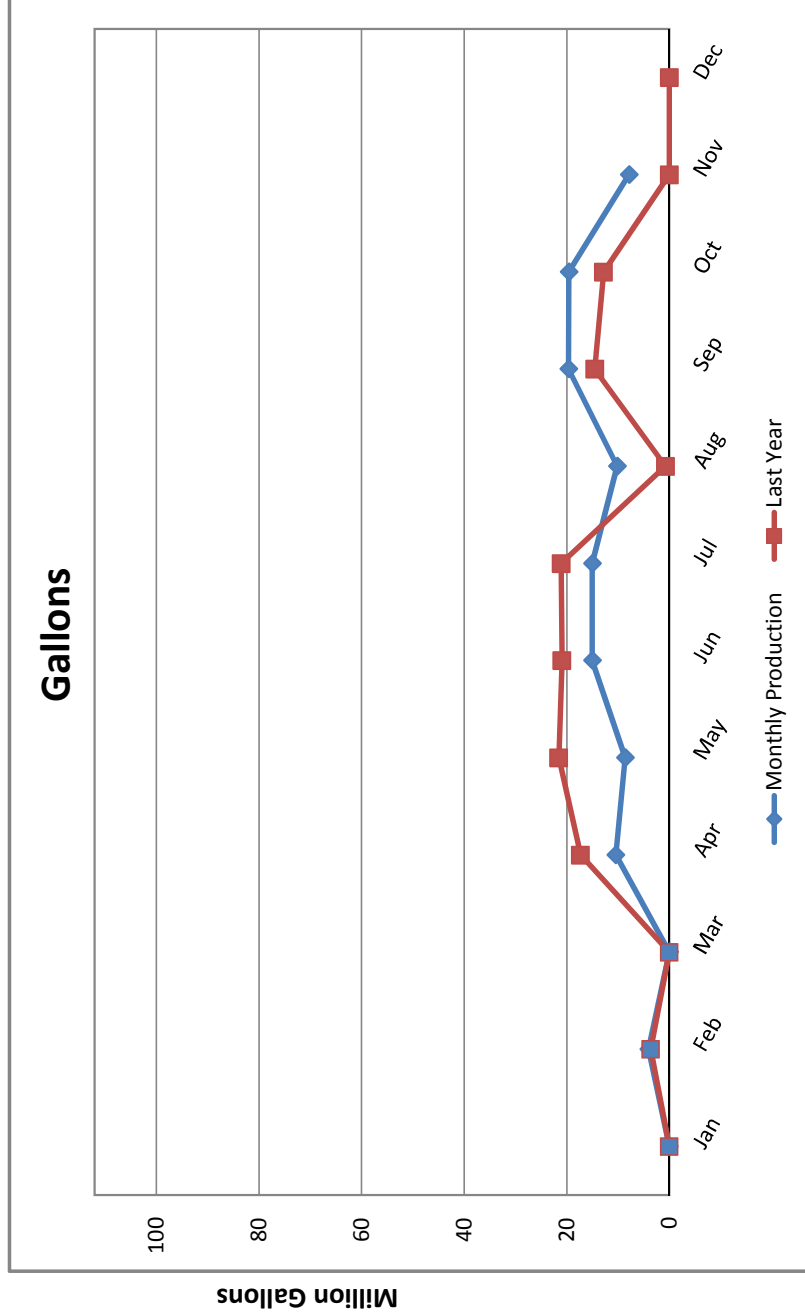
KW Hour Total: 11,092.00

Chlorine:

Dosing: 1.16 mg/L

Demand: 0.24 mg/L

Residual: 0.92 mg/L





Elk Grove Water District

Monthly Production

Well 13 Hampton -- Nov. 2017

Selected Month Production
34,728,092 Gallons

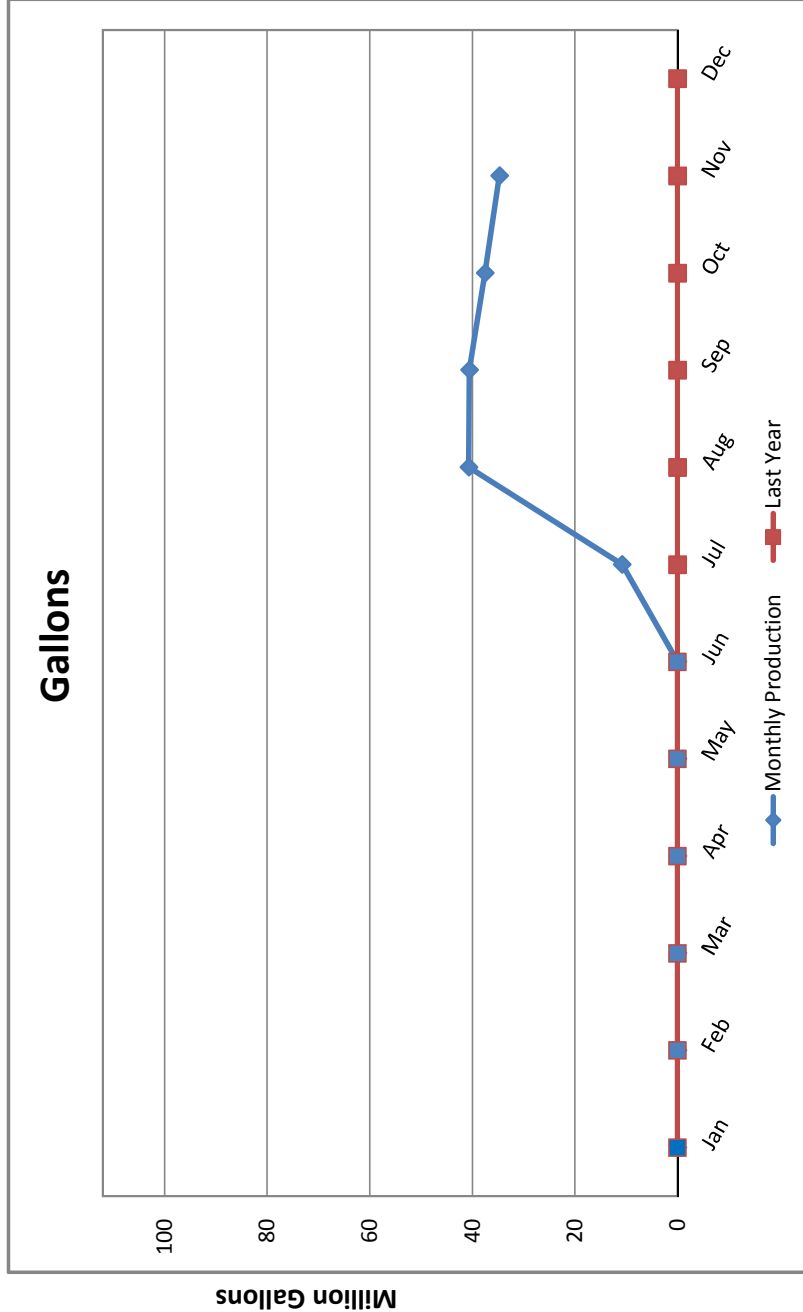
Average GPM: 936

Motor:
Volts: 480
Volts (Rated): 460
RPM: 1786
RPM (Rated): 1785
Amps A: 99
Amps A (Rated): 141
Amps B: 101
Amps B (Rated): 141
Amps C: 103
Amps C (Rated): 141

Motor Temp.: 115.5
Hour Meter: 618.00
KW Hour Total: 45,360.00

Chlorine:
Dosing: 1.26 mg/L
Demand: 0.24 mg/L
Residual: 1.02 mg/L

Vibration Reading:
Base Line: 0.02 in/sec
Current: 0.04 in/sec





Elk Grove Water District

Combined Total Production

Service Area 1

Nov-2017

Current Month Production:

76,619,642 Gallons

Highest Day Demand of the Month: 3,412,525
Date of Occurrence: 1-Nov-17

Highest Day Demand of the Calendar Year: 6,464,302
Date of Occurrence: 17-Jul-17

"Water Year" Rainfall: (Oct-17 to Sep-18)

Current Month: 2.13 in
Year To Date: 2.28 in

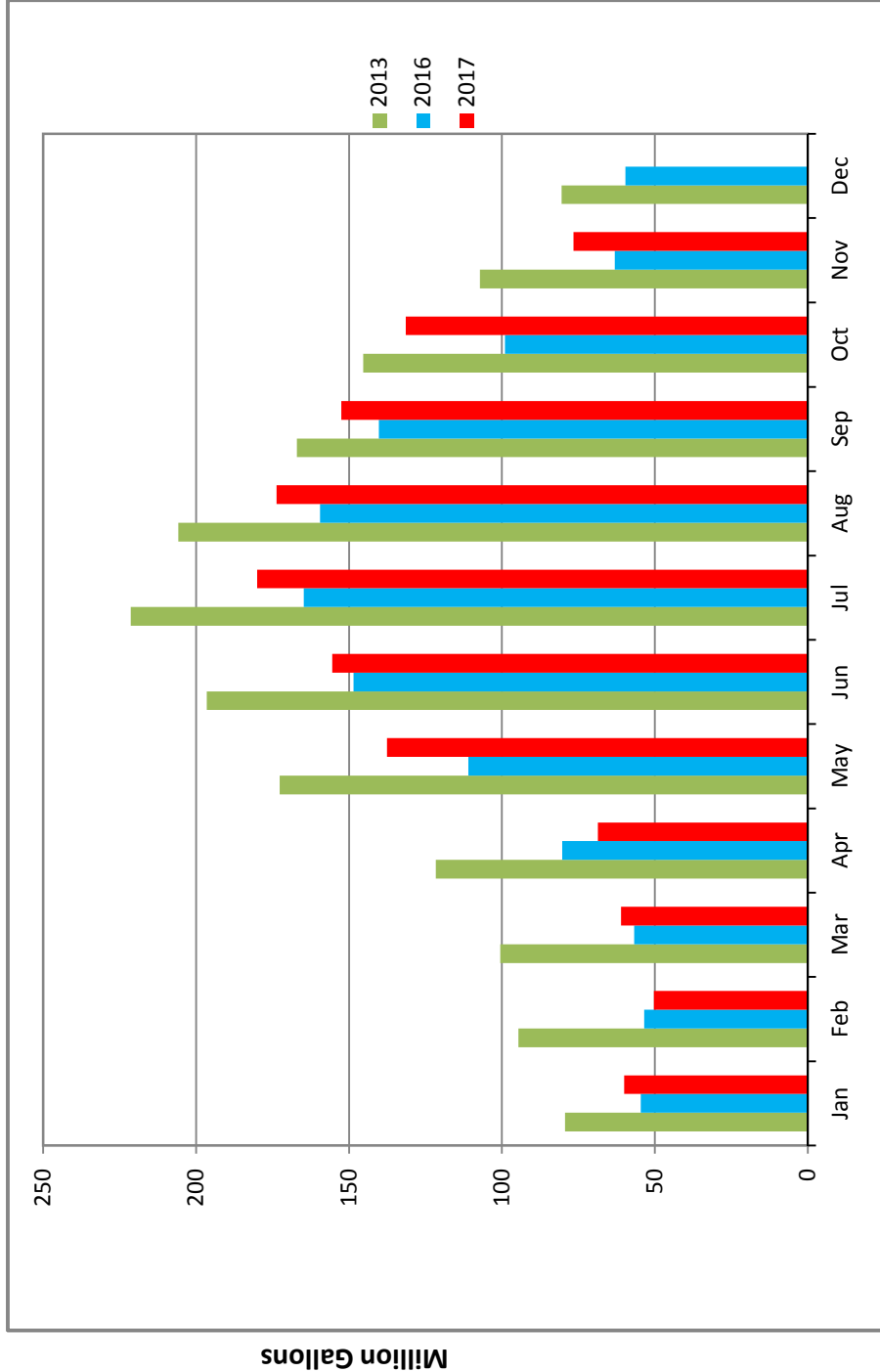
"Water Year" Rainfall: (Oct-16 to Sep-17)

November 2016: 1.12 in
Year To Date: 5.84 in
Last Year Total: 33.08 in

Temperature:

This Month High: 69 F
This Month Low: 37 F
This Month Average: 55 F

NOV-16 High: 89 F
NOV-16 Low: 45 F
NOV-16 Average: 55 F

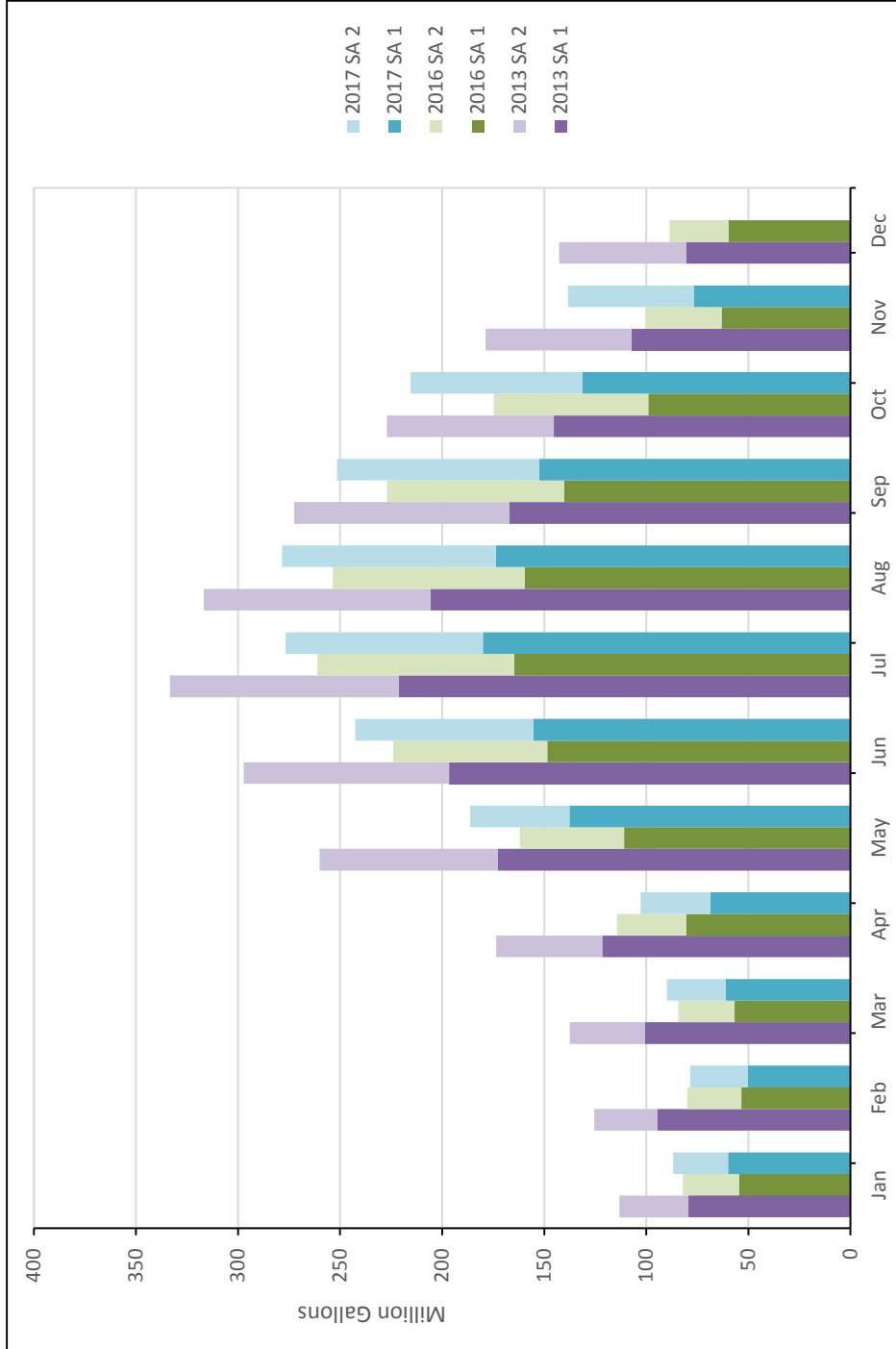




Elk Grove Water District

Total Demand/Production

Nov-2017



Current Month Demand/Production:
138,408,182 Gallons
Reduction From November 2013: 22.54%
GPCD: 102.9 Gallons per Day
R-GPCD: 80.3 Gallons per Day

Service Area 1
Active Connections: 7,918
Current Month Demand/Production:
76,619,642 Gallons
Reduction From November 2013: 28.52%
GPCD: 89.6 Gallons per Day
R-GPCD: 69.9 Gallons per Day

Service Area 2
Active Connections: 4,403
Current Month Demand/Production:
61,788,540 Gallons
Reduction From November 2013: 13.59%
GPCD: 126.2 Gallons per Day
R-GPCD: 98.4 Gallons per Day

Elk Grove Water District Water Usage

		Monthly Production (gallons)											
		January	February	March	April	May	June	July	August	September	October	November	December
2013													
GW (SA1)		68,254,916	81,368,191	100,542,522	121,613,523	172,623,839	196,557,137	221,335,388	205,830,850	166,997,536	145,352,530	107,186,459	80,494,167
Purchased (SA2)		33,769,956	30,929,052	36,942,972	51,911,200	87,470,372	100,709,224	112,128,192	110,885,764	105,417,136	81,665,892	71,505,060	62,165,532
Total		102,024,872	112,297,243	137,485,494	173,524,723	260,094,211	297,266,361	333,463,580	316,716,614	272,414,672	227,018,422	178,691,519	142,659,699

2015													
GW (SA1)		62,684,574	57,365,413	86,489,437	88,984,850	106,158,389	114,555,359	127,038,586	125,052,315	117,883,208	99,385,733	64,079,715	57,508,787
Purchased (SA2)		28,648,400	30,029,208	36,876,400	51,626,212	52,734,000	62,368,240	71,273,928	75,055,068	70,123,504	63,526,892	46,873,420	34,399,772
Total		91,332,974	87,394,621	123,365,837	140,611,062	158,892,389	176,923,599	198,312,514	200,107,383	188,006,712	162,912,625	110,953,135	91,908,559

2016													
GW (SA1)		54,579,679	53,455,693	56,776,025	80,317,655	110,937,338	148,518,660	164,758,463	159,501,571	140,200,584	99,019,629	63,087,762	59,635,559
Purchased (SA2)		27,516,676	26,507,624	27,531,636	34,054,196	51,071,196	75,541,268	96,246,656	93,992,184	86,904,136	75,682,640	37,088,084	28,894,492
Total		82,096,355	79,963,317	84,307,661	114,371,851	162,008,534	224,059,928	261,005,119	253,493,755	227,104,720	174,702,269	100,175,846	88,530,051

2017													
GW (SA1)		59,973,881	50,320,832	61,080,559	68,658,752	137,599,305	155,472,951	180,086,739	173,684,119	152,475,400	131,390,808	76,619,642	
Purchased (SA2)		26,951,188	28,184,640	28,756,860	34,167,892	48,653,660	87,003,620	96,535,384	104,766,376	98,979,848	84,154,488	61,788,540	
Total		86,925,069	78,505,472	89,837,419	102,826,644	186,252,965	242,476,571	276,622,123	278,450,495	251,455,248	215,545,296	138,408,182	0

% Reduction from 2013 14.80% 30.09% 34.66% 40.74% 28.39% 18.43% 17.05% 12.08% 7.69% 5.05% 22.54% 100.00%

*Notes

2013 January and February production numbers do not match actually recorded production because of an open intertie delivering water to SA2. Information below is further details.

SA1 = Service Area 1, SA2 = Service Area 2. SA1 is all groundwater (GW) production. SA2 is all purchased water from SCWA.

Actual Recorded Prod. (Jan. 2013) - Service Area 1 79,361,342 gallons (Includes water delivered to SA2 due to open intertie. Intertie closed end of Feb. 2013)

Actual Recorded Prod. (Feb. 2013) - Service Area 1 94,608,406 gallons (Includes water delivered to SA2 due to open intertie. Intertie closed end of Feb. 2013)

To determine estimate of Feb. 2013 production delivered to Service Area 1, use multiplier from March data which is seasonally similar.

Service Area 1 Multiplier = 1.39 (calculated from March 2013 Prod. Data/March 2014 Prod. Data)

Calc'd Feb. 2013 Prod. = Feb. 2014 Prod. Data x 1.39 = 79,737,924

To determine estimate of Jan. 2013 production, use prorated amount from Feb. 2013 data. (This method due to Jan. 2014 being unseasonably hot.)

Calc'd Jan. 2013 Prod. = (Feb. 2013 Prod. Data Calc'd / Feb. 2013 Prod. Data Actual) x Jan. 2013 Prod. Data Actual = 68,254,916

2017	Service Area 2		Consumption	
	# Accts	CCF	Gallons	
Jan	4,400	36,031	26,951,188	
Feb	4,401	37,680	28,184,640	
Mar	4,401	38,445	28,756,860	
Apr	4,401	45,679	34,167,892	
May	4,402	65,045	48,653,660	
Jun	4,402	116,315	87,003,620	
Jul	4,402	129,058	96,535,384	
Aug	4,402	140,062	104,766,376	
Sep	4,402	132,326	98,979,848	
Oct	4,403	112,506	84,154,488	
Nov	4,405	82,605	61,788,540	
Dec			0	

RWA Savings Summary October 2017

YEAR TO DATE REDUCTION BY VOLUME (Million Gallons)													
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
2017	6,285	5,407	6,620	6,943	13,232	15,858	18,870	18,398	15,765	13,454			120,832
2013	6,953	7,232	10,094	12,105	17,472	19,483	22,413	20,855	17,311	14,836	10,649	8,430	148,753
%	9.6%	25.2%	34.4%	42.6%	24.3%	18.6%	15.8%	11.8%	8.9%	9.3%			18.8%

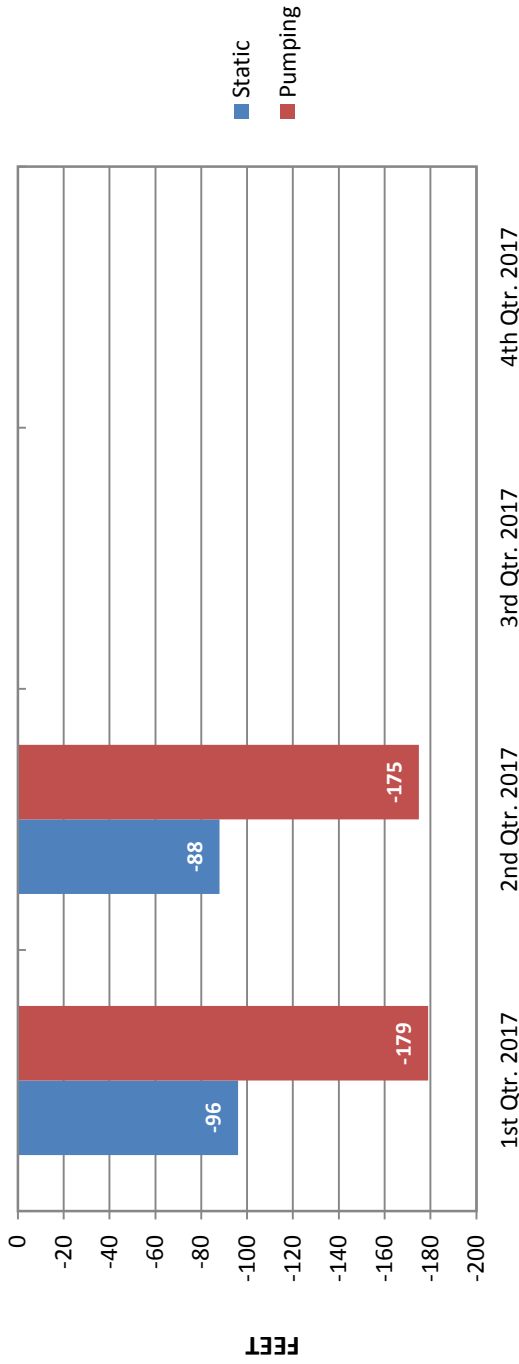
REDUCTION BY AGENCY (Data compared to 2013)		
Water Agency	Oct. 2017 Reduction	January - Oct. 2017 Reduction
California American Water	12.0%	24.0%
Carmichael Water District	11.9%	19.5%
Citrus Heights Water District	13.0%	21.5%
City of Davis	10.1%	19.9%
City of Folsom	0.7%	8.1%
City of Lincoln	3.9%	14.1%
City of Roseville	9.6%	16.4%
City of Sacramento	15.9%	22.6%
City of West Sacramento	10.6%	20.9%
City of Woodland	4.9%	24.4%
City of Yuba City	6.1%	17.6%
Del Paso Manor Water District	12.5%	20.0%
El Dorado Irrigation District	8.4%	17.2%
Elk Grove Water District	5.1%	19.0%
Fair Oaks Water District	13.1%	20.4%
Golden State Water Company	11.8%	19.2%
Orange Vale Water Company	12.9%	24.3%
Placer County Water Agency	-8.1%	10.1%
Rancho Murieta CSD	8.0%	15.6%
Rio Linda/Elverta CWD	11.7%	19.0%
Sacramento County Water Agency	8.4%	14.3%
Sacramento Suburban WD	6.6%	18.5%
San Juan Water District	11.6%	22.9%
Average	8.7%	18.7%
Minimum	-8.1%	8.1%
Maximum	15.9%	24.4%



Elk Grove Water District

Static and Pumping Levels

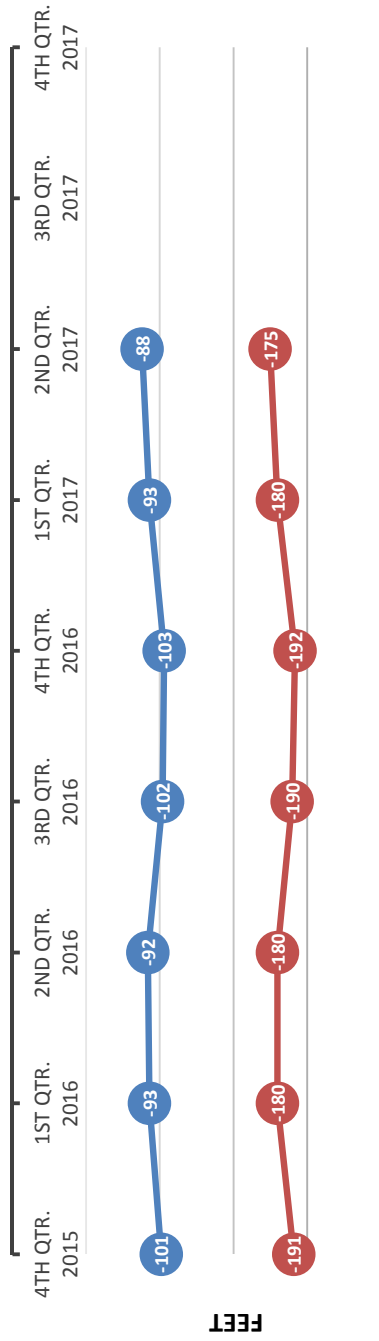
Well 1D School St



Latest Well Sounding

Static: 88 Ft
Pumping: 175 Ft
Drawdown: 87 Ft
GPM: 1,838.00
Specific Capacity: 21.126

Sounding Quarter/Year



Latest Sand Tester Results:

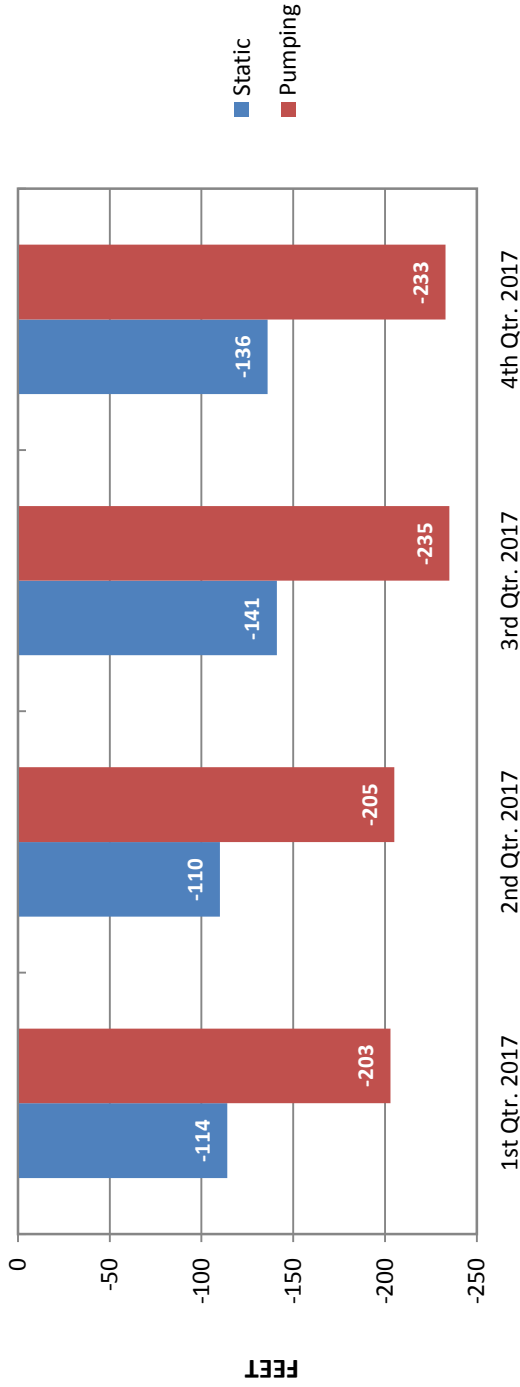
15 Min: < 5 ppm



Elk Grove Water District

Static and Pumping Levels

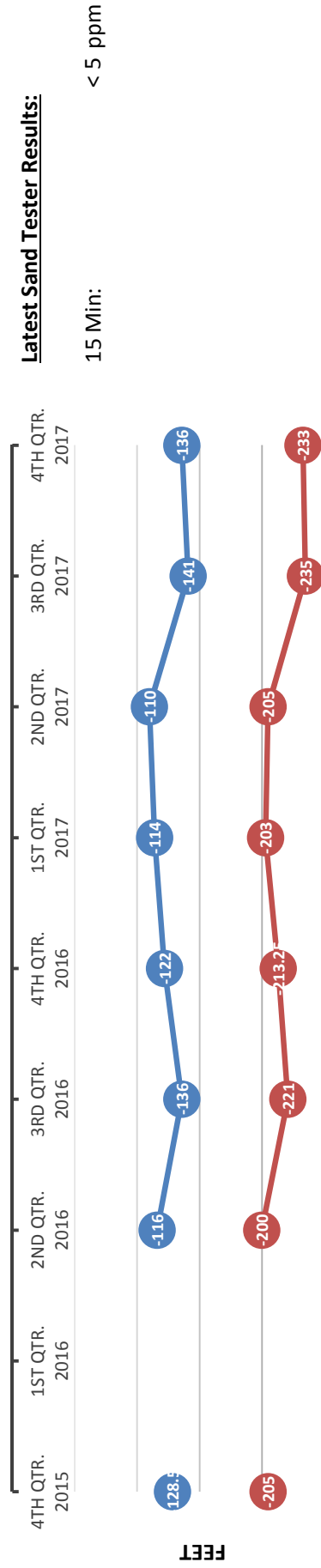
Well 4D Webb St



Latest Well Sounding

Static: 136 Ft
Pumping: 233 Ft
Drawdown: 97 Ft
GPM: 1,687.00
Specific Capacity: 17.392

Sounding Quarter/Year



Latest Sand Tester Results:

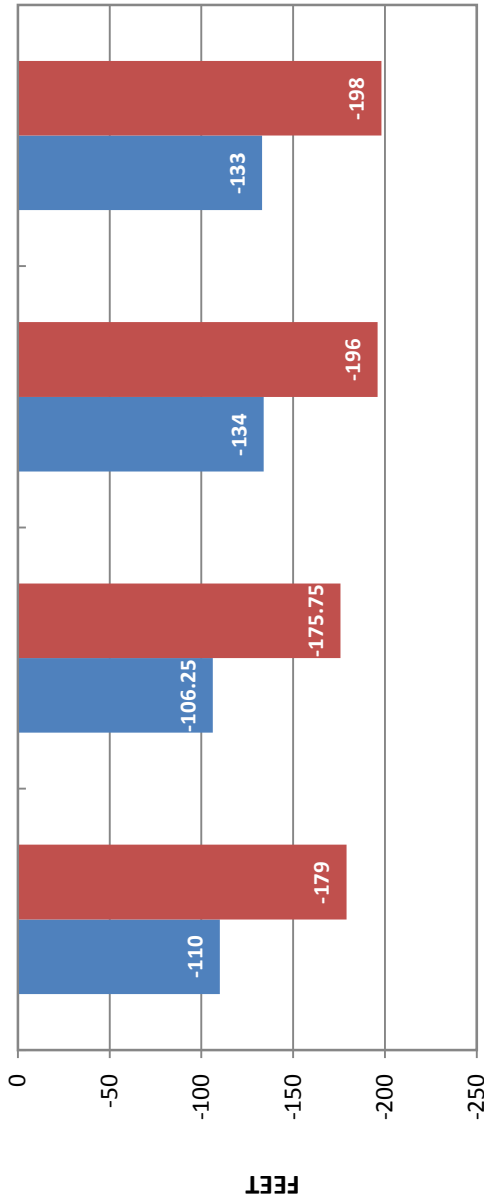
15 Min: < 5 ppm



Elk Grove Water District

Static and Pumping Levels

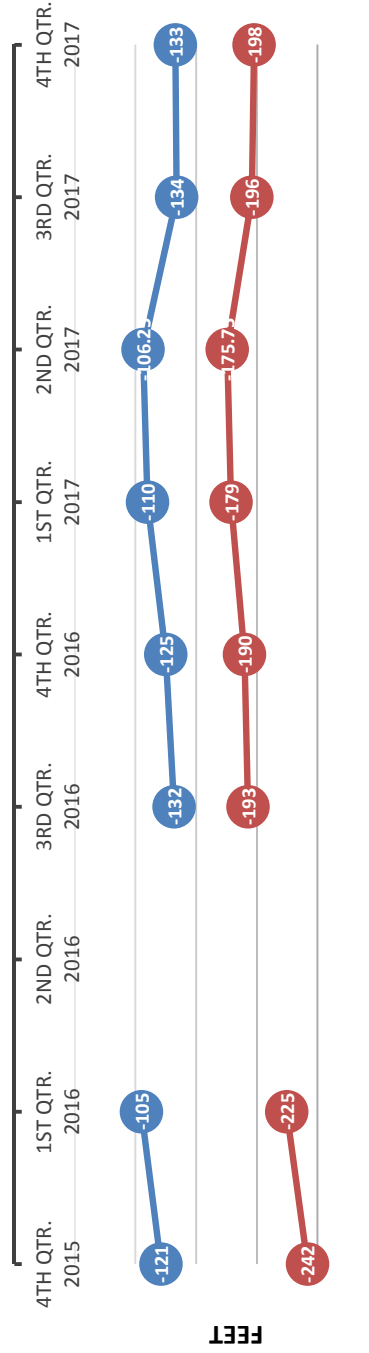
Well 11D Dino



Latest Well Sounding

Static: 133 Ft
Pumping: 198 Ft
Drawdown: 65 Ft
GPM: 1,704.00
Specific Capacity: 26.215

Sounding Quarter/Year



Latest Sand Tester Results:

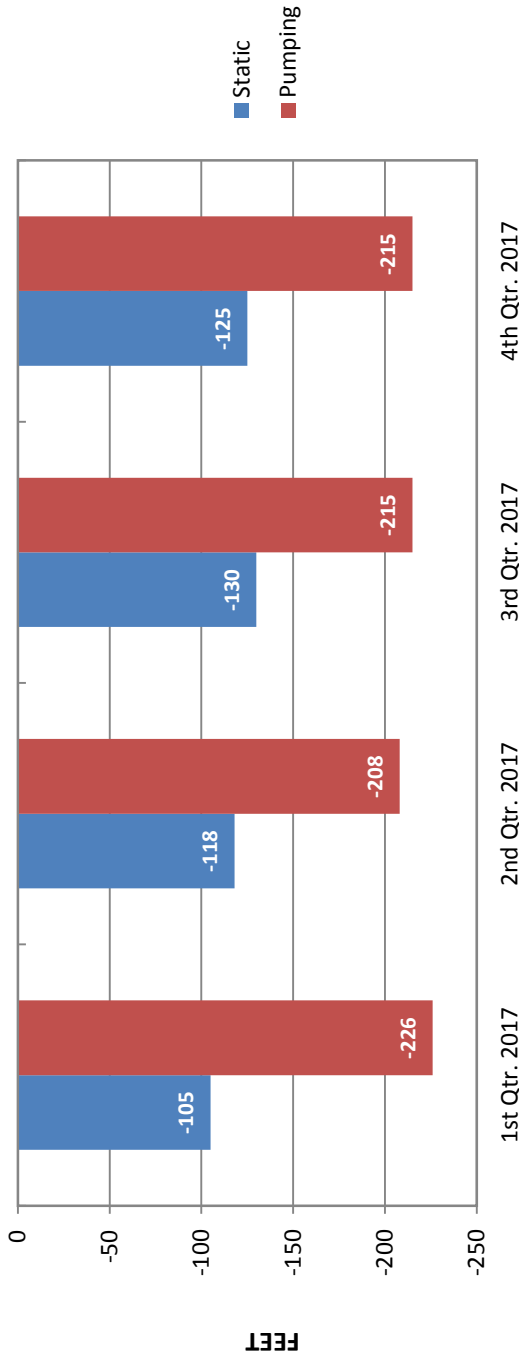
15 Min: < 5 ppm



Elk Grove Water District

Static and Pumping Levels

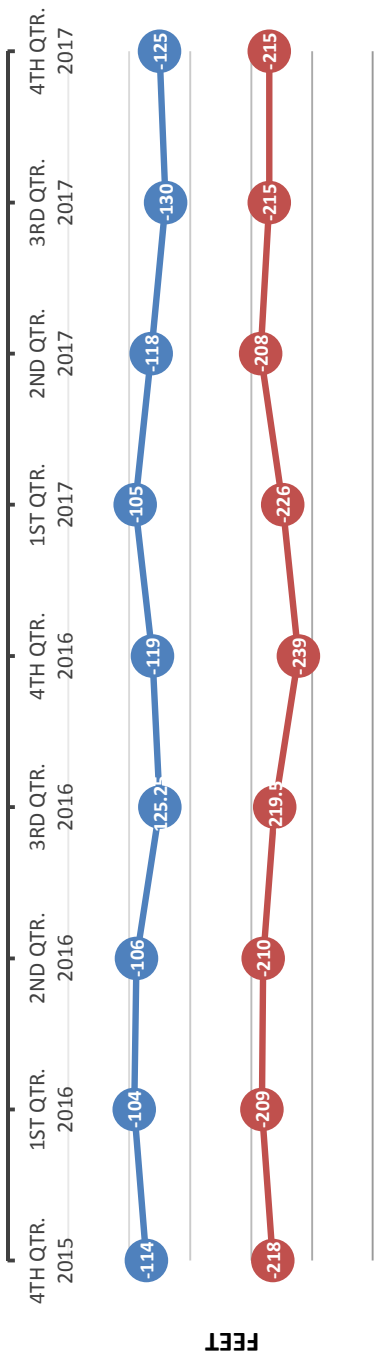
Well 14D Railroad



Latest Well Sounding

Static: 125 Ft
Pumping: 215 Ft
Drawdown: 90 Ft
GPM: 1,610.00
Specific Capacity: 17.889

Sounding Quarter/Year



Latest Sand Tester Results:

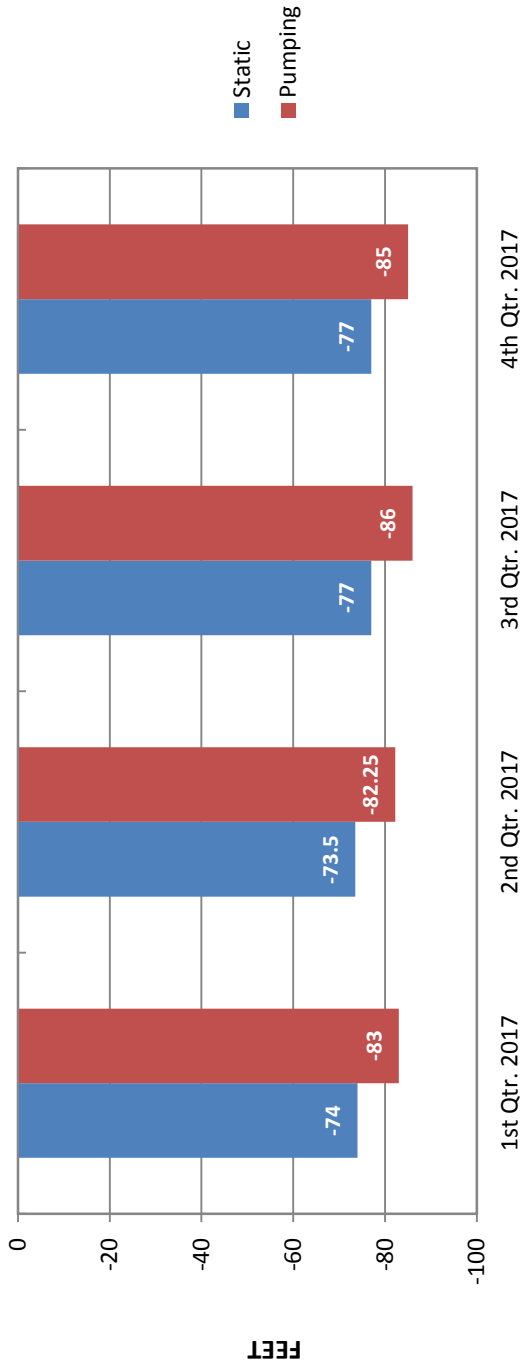
15 Min: < 5 ppm



Elk Grove Water District

Static and Pumping Levels

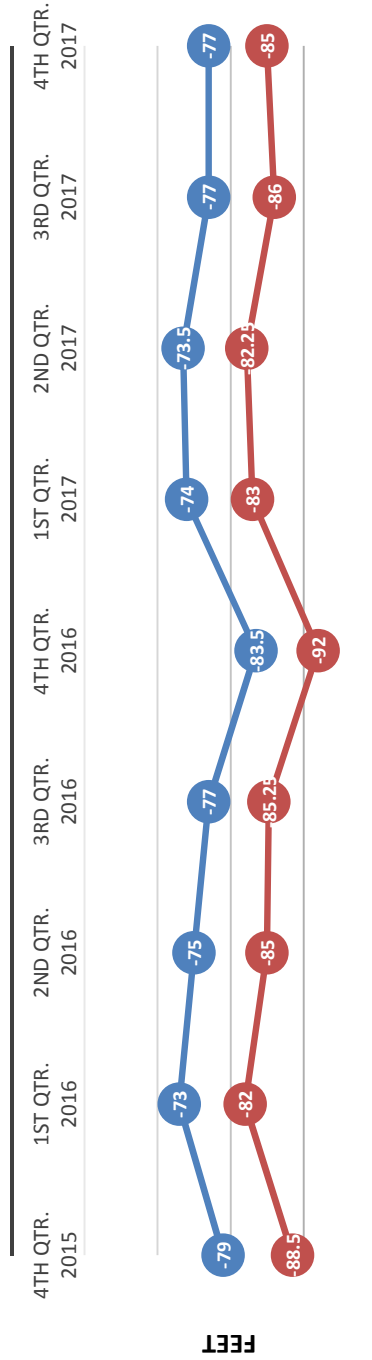
Well 3 Mar-Val



Latest Well Sounding

Static: 77 Ft
 Pumping: 85 Ft
 Drawdown: 8 Ft
 GPM: 750.00
 Specific Capacity: 93.750

Sounding Quarter/Year



Latest Sand Tester Results:

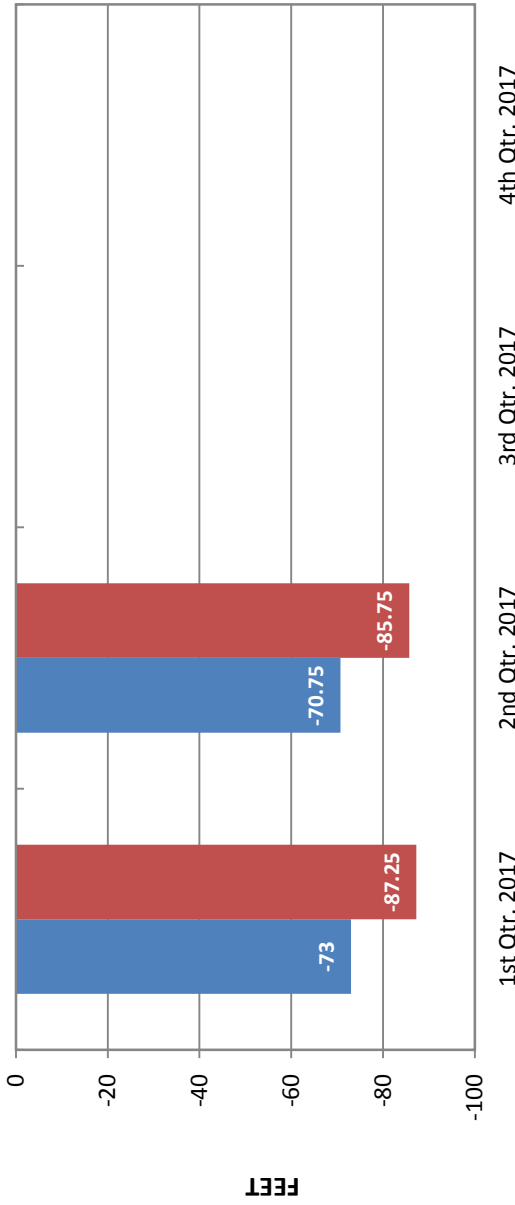
15 Min: 10.5 ppm



Elk Grove Water District

Static and Pumping Levels

Well 8 Williamson

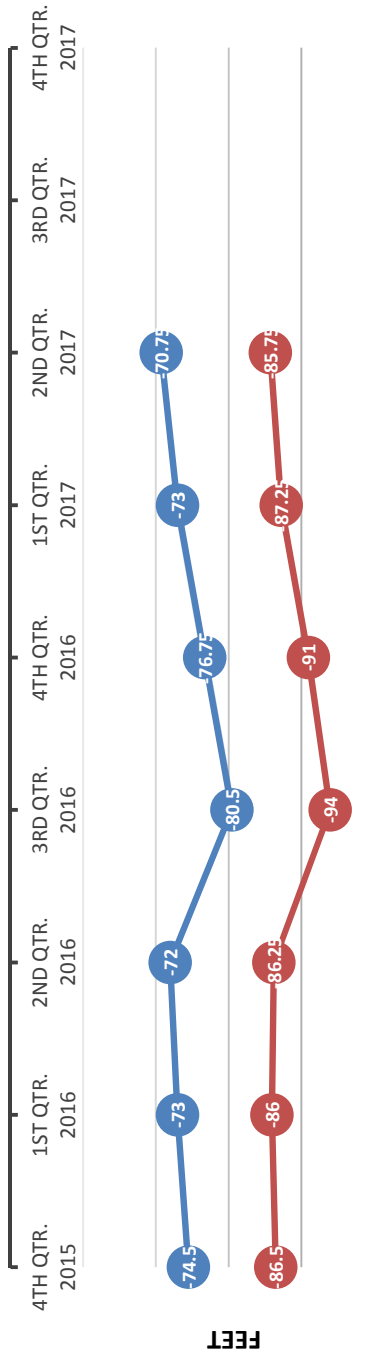


Latest Well Sounding

Static: 70.75 Ft
 Pumping: 85.75 Ft
 Drawdown: 15 Ft
 GPM: 860.00
 Specific Capacity: 57.333

■ Static
 ■ Pumping

Sounding Quarter/Year



Latest Sand Tester Results:

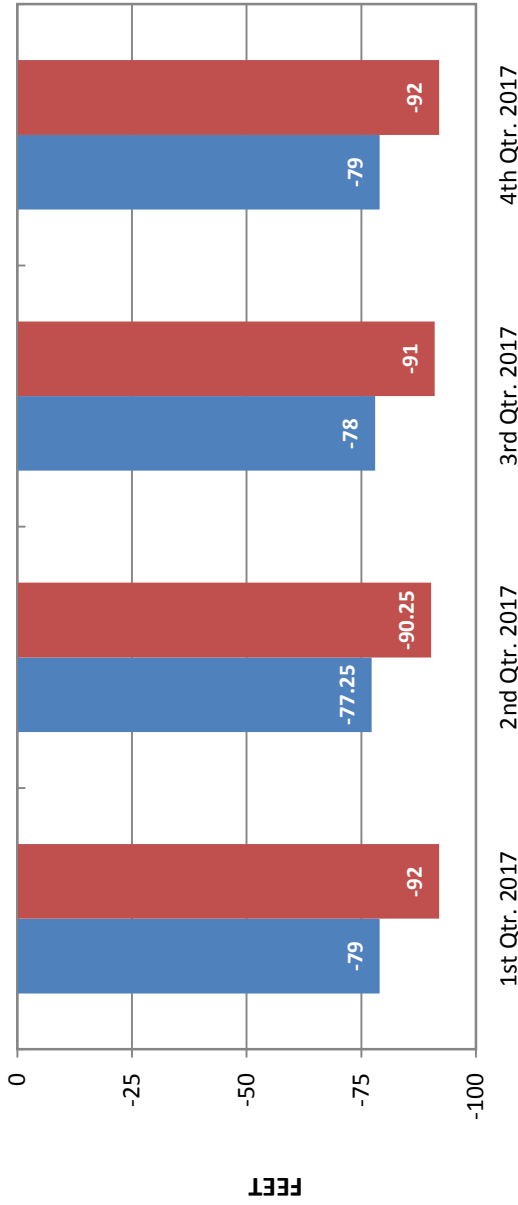
15 Min: 3.52 ppm



Elk Grove Water District

Static and Pumping Levels

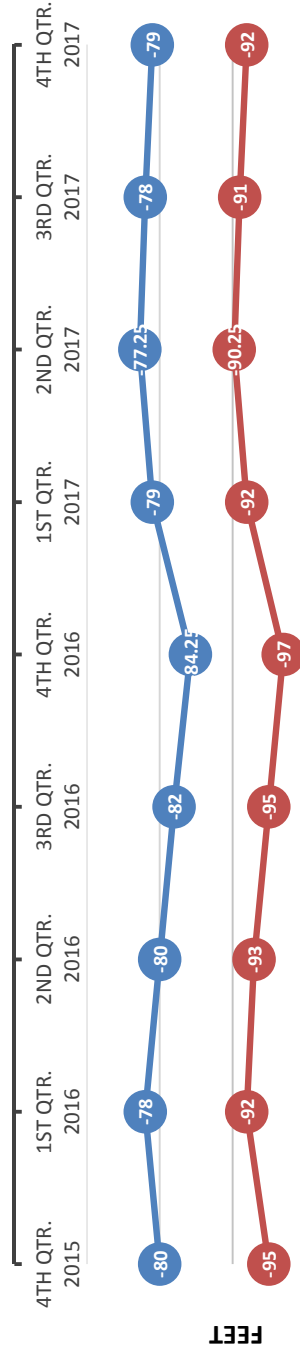
Well 9 Polhemus



Latest Well Sounding

Static: 79 Ft
Pumping: 92 Ft
Drawdown: 13 Ft
GPM: 470.00
Specific Capacity: 36.154

Sounding Quarter/Year



Latest Sand Tester Results:

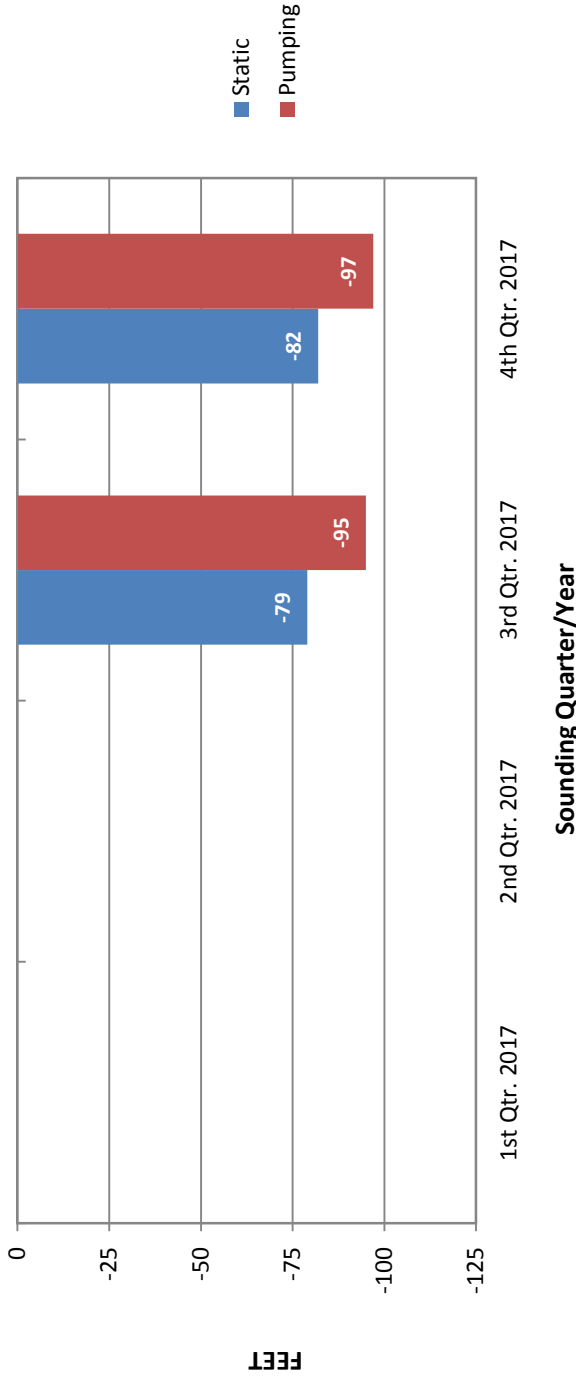
15 Min: < 5 ppm



Elk Grove Water District

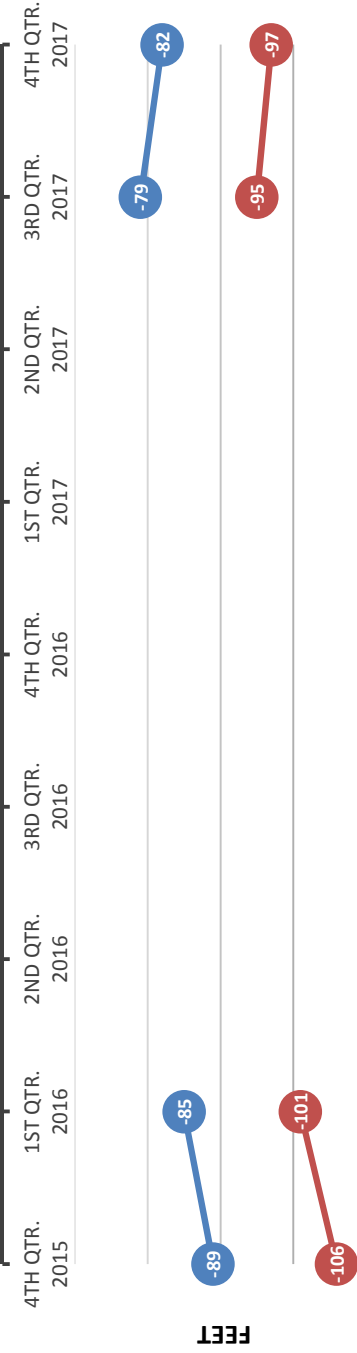
Static and Pumping Levels

Well 13 Hampton



Latest Well Sounding

Static: 82 Ft
 Pumping: 97 Ft
 Drawdown: 15 Ft
 GPM: 893.00
 Specific Capacity: 59.533



Latest Sand Tester Results:

15 Min: < 5 ppm

**Monthly Sample Report - November 2017
Water System: Elk Grove Water System**

Sampling Point: 01 - 8693 W. Camden			
Sample Date	Sample Class	Sample Name	Collection Occurrence
11/7/2017	Distribution System	Bacteriological	Week
11/14/2017	Distribution System	Bacteriological	Week
11/21/2017	Distribution System	Bacteriological	Week
11/28/2017	Distribution System	Bacteriological	Week

Sampling Point: School Well 01D - Raw Water			
Sample Date	Sample Class	Sample Name	Collection Occurrence

Sampling Point: 02 - 9425 Emerald Vista			
Sample Date	Sample Class	Sample Name	Collection Occurrence
11/7/2017	Distribution System	Bacteriological	Week
11/14/2017	Distribution System	Bacteriological	Week
11/21/2017	Distribution System	Bacteriological	Week
11/28/2017	Distribution System	Bacteriological	Week

Sampling Point: - Mar-Val Well 3 Raw Water			
Sample Date	Sample Class	Sample Name	Collection Occurrence

Sampling Point: 03 - 8809 Valley Oak			
Sample Date	Sample Class	Sample Name	Collection Occurrence
11/7/2017	Distribution System	Bacteriological	Week
11/14/2017	Distribution System	Bacteriological	Week
11/21/2017	Distribution System	Bacteriological	Week
11/28/2017	Distribution System	Bacteriological	Week

Sampling Point: Webb Well 04D - Raw Water			
Sample Date	Sample Class	Sample Name	Collection Occurrence

Sampling Point: 04 - 10122 Glacier Point

Sample Date	Sample Class	Sample Name	Collection Occurrence
11/7/2017	Distribution System	Bacteriological	Week
11/14/2017	Distribution System	Bacteriological	Week
11/21/2017	Distribution System	Bacteriological	Week
11/28/2017	Distribution System	Bacteriological	Week

Sampling Point: 05 - 9230 Amsden Ct.

Sample Date	Sample Class	Sample Name	Collection Occurrence
11/7/2017	Distribution System	Bacteriological	Week
11/14/2017	Distribution System	Bacteriological	Week
11/21/2017	Distribution System	Bacteriological	Week
11/28/2017	Distribution System	Bacteriological	Week

Sampling Point: 06 - 9227 Rancho Dr.

Sample Date	Sample Class	Sample Name	Collection Occurrence
11/7/2017	Distribution System	Bacteriological	Week
11/14/2017	Distribution System	Bacteriological	Week
11/21/2017	Distribution System	Bacteriological	Week
11/28/2017	Distribution System	Bacteriological	Week

Sampling Point: 07 - Al Gates Park Mainline Dr.

Sample Date	Sample Class	Sample Name	Collection Occurrence
11/7/2017	Distribution System	Bacteriological	Week
11/14/2017	Distribution System	Bacteriological	Week
11/21/2017	Distribution System	Bacteriological	Week
11/28/2017	Distribution System	Bacteriological	Week
11/21/2017	Distribution System	Flouride	Monthly

Sampling Point: - Williamson Well 8 Raw Water

Sample Date	Sample Class	Sample Name	Collection Occurrence
-------------	--------------	-------------	-----------------------

Sampling Point: 09 - 9436 Hollow Springs Wy.			
Sample Date	Sample Class	Sample Name	Collection Occurrence
11/7/2017	Distribution System	Bacteriological	Week
11/14/2017	Distribution System	Bacteriological	Week
11/21/2017	Distribution System	Bacteriological	Week
11/28/2017	Distribution System	Bacteriological	Week

Sampling Point: Polhemus Well 9 Raw Water			
Sample Date	Sample Class	Sample Name	Collection Occurrence

Sampling Point: 09 - 8417 Blackman Wy.			
Sample Date	Sample Class	Sample Name	Collection Occurrence
11/7/2017	Distribution System	Bacteriological	Week
11/14/2017	Distribution System	Bacteriological	Week
11/21/2017	Distribution System	Bacteriological	Week
11/28/2017	Distribution System	Bacteriological	Week

Sampling Point: 10 - 9373 Oreo Ranch Cir.			
Sample Date	Sample Class	Sample Name	Collection Occurrence
11/7/2017	Distribution System	Bacteriological	Week
11/14/2017	Distribution System	Bacteriological	Week
11/21/2017	Distribution System	Bacteriological	Week
11/28/2017	Distribution System	Bacteriological	Week

Sampling Point: Dino Well 11D - Raw Water			
Sample Date	Sample Class	Sample Name	Collection Occurrence

Sampling Point: Hampton Well 13 - Raw Water			
Sample Date	Sample Class	Sample Name	Collection Occurrence
11/7/2017	Source Water	Fe, Mn, As, Total	Weekly
11/7/2017	Source Water	Bacteriological	Weekly
11/14/2017	Source Water	Fe, Mn, As, Total	Weekly
11/14/2017	Source Water	Bacteriological	Weekly
11/21/2017	Source Water	Fe, Mn, As, Total	Weekly
11/21/2017	Source Water	Bacteriological	Weekly
11/28/2017	Source Water	Fe, Mn, As, Total	Weekly
11/28/2017	Source Water	Bacteriological	Weekly

Sampling Point: Hampton WTP Effluent			
Sample Date	Sample Class	Sample Name	Collection Occurrence
11/7/2017	Treated Effluent	Fe, Mn, As, Total	Weekly
11/14/2017	Treated Effluent	Fe, Mn, As, Total	Weekly
11/21/2017	Treated Effluent	Fe, Mn, As, Total	Weekly
11/28/2017	Treated Effluent	Fe, Mn, As, Total	Weekly

Sampling Point: Hampton WTP Backwash Tank			
Sample Date	Sample Class	Sample Name	Collection Occurrence

Sampling Point: Railroad Well 14D - Raw Water			
Sample Date	Sample Class	Sample Name	Collection Occurrence

Sampling Point: Railroad WTP Effluent			
Sample Date	Sample Class	Sample Name	Collection Occurrence
11/14/2017	Treated Plant Effluent	WTP Eff - Fe,Mn,As,Al Total	Month
11/14/2017	Treated Plant Effluent	WTP Eff - Fe,Mn,As,Al Dissolved	Month

Sampling Point: Railroad WTP Backwash Tank			
Sample Date	Sample Class	Sample Name	Collection Occurrence

Sampling Point: Special Distribution/Construction Samples

Sample Date	Sample Class	Sample Name	Collection Description
11/13/2017	Distribution System	Bacteriological	Main Line Leak
11/20/2017	Source Water	Bacteriological	School St Well 1D Rehab
11/20/2017	Source Water	Fe, Mn, As, Total	School St Well 1D Rehab
11/21/2017	Source Water	Bacteriological	School St Well 1D Rehab
11/21/2017	Source Water	Fe, Mn, As, Total	School St Well 1D Rehab
11/29/2017	Distribution System	Bacteriological	Replace section of main line

<u>Colors</u>	<u>Monthly Total</u>	<u>Yearly Total</u>
Black = Scheduled	53	662
Green = Unscheduled	7	94
Red = Incomplete Sample	0	0



December 5, 2017

State Water Resources Control Board
Division of Drinking Water
1001 I Street
13th Floor
Sacramento, Ca. 95814

MONTHLY SUMMARY OF DISTRIBUTION SYSTEM COLIFORM MONITORING

Enclosed is the Monthly Summary of Distribution System Coliform Monitoring report from Elk Grove Water District for November 2017.

If you have any further questions, you may contact me at 916-585-9386.

A handwritten signature in blue ink, appearing to read "Steve Shaw". The signature is fluid and cursive, with a long horizontal stroke at the top.

STEVE SHAW
WATER TREATMENT SUPERVISOR



December 6, 2017

State Water Resources Control Board
Division of Drinking Water
1001 I Street
13th Floor
Sacramento, Ca. 95814

MONTHLY SUMMARY OF THE HAMPTON GROUNDWATER TREATMENT PLANT

Enclosed is the Monthly Summary of the Hampton GWTP report from Elk Grove Water District for November 2017.

If you have any further questions, you may contact me at 916-585-9386.

A handwritten signature in blue ink, appearing to read "Steve Shaw", is written above the name.

STEVE SHAW
WATER TREATMENT SUPERVISOR

Elk Grove Water District

Hampton GWTP Monthly Report

Month: November-17

PWS Number 3410008-013

GWTP Name Hampton Water Treatment Plant

Date	Meter Reading	Production	Backwash Meter	Reclaim Water	Weekly In-House Monitoring (mg/L) R (Raw) T (Treated)							Weekly Average	
					Date	Fe, R	Fe, T	Mn, R	Mn, T	As, R	As, T	Inf. pH	Eff. pH
1	245235240		2476115	0	11/7/2017	0	0.021	0	0	8	2		
2	246566765	1331525	2508756	0	11/14/2017	0.002	0.001	0.07	0	10	2	Week 1:	7.27
3	247952673	1385908	2541333	0	11/21/2017	0	0.003	0.09	0.006	8	2.5	Week 2:	7.03
4	249294577	1341904	2570422	0	11/28/2017	0.003	0.008	0.011	0	9	4	Week 3:	7.25
5	250584125	1289548	2602959	0								Week 4:	7.04
6	251906872	1322747	2631974	0								Week 5:	1.1
7	253052873	1146001	2660980	0									
8	254393075	1340202	2693645	0									
9	254673661	280586	2697246	0									
10	255743345	1069684	2726217	0									
11	257092371	1349026	2755153	0									
12	258426641	1334270	2787817	0									
13	259768186	1341545	2820391	0									
14	261191509	1423323	2853041	0									
15	262567475	1375966	2885624	0									
16	263862226	1294751	2914597	0									
17	265232845	1370619	29580021	0									
18	266485368	1252523	2979743	0									
19	267876905	1391537	3012282	0									
20	269221432	1344527	3044894	0									
21	270575310	1353878	3077527	0									
22	271961861	1386551	3110125	0									
23	273273202	1311341	3138992	0									
24	274581843	1308641	3171633	0									
25	275914291	1332448	3204159	0									
26	276073898	159607	3207795	0									
27	276073898	0	3207795	0									
28	277185154	1111256	3233073	0									
29	278606660	1421506	3265685	0									
30	279963332	1356672	3298230	0									
31													
Total		34728092	822,115	0									

Total Gallons Sodium Hypochlorite:	405.7 Gal
Pounds per day	16.9 Lbs/Day
Dosage (Milligrams Per Liter @ 12.5% Cl)	1.8 mg/L
Total Gallons Ferric Chloride:	181.7 Gal
Dosage (Milligrams Per Liter @ 38% FeCl)	.65mg/L
Total Gallons Sodium Hydroxide:	311.5 Gal
Dosage (Gallons Per Hour @ 25% NaOH)	0.48 Gal/Hr
Total Gallons Sulfuric Acid :	185.4 Gal
Dose (Gallons Per Hour @ 93%)	0.33 Gal/Hr
Total Backwashed	822,115 Gal
Total Reclaim	0
Total Water Pumped	34,728,092 Gal
Total Water Treated	34,728,092 Gal

Reporting Limits/Units		Maximum Contaminant Levels (MCLs)	
Iron = 0.100 mg/L		Iron (Fe) = 0.300 mg/L (Secondary)	
Manganese = 0.010 mg/L		Manganese (Mn) = 0.050 mg/L (Secondary)	
Arsenic = 1.0 µg/L		Arsenic (As) = 10 µg/L (Primary)	

Prepared By: Steve Shaw	Date: 12/6/2017
-------------------------	-----------------



December 6, 2017

State Water Resources Control Board
Division of Drinking Water
1001 I Street
13th Floor
Sacramento, Ca. 95814

MONTHLY SUMMARY OF DISTRIBUTION SYSTEM FLUORIDATION MONITORING

Enclosed is the Monthly Summary of Distribution System Fluoridation Monitoring report from Elk Grove Water District for November 2017.

If you have any further questions, you may contact me at 916-585-9386.

A handwritten signature in blue ink, appearing to read "Steve Shaw", is written over a horizontal line.

STEVE SHAW
WATER TREATMENT SUPERVISOR

Elk Grove Water District Area 2

DISTRIBUTION SYSTEM

MONTHLY FLUORIDATION MONITORING REPORT

Water System Name: Elk Grove Water District System Number: 3410008

Contact Name: Steve Shaw Telephone: (916) 585-9386

Month/Year: November 2017

Week	Location of samples taken*	Monitoring Results (mg/L)		
		Date	Time	Result
1	Hollow Springs	11-7-17	9:02 am	.51
1	Al Gates Park	11-7-17	9:19 am	.53
1	Oreo Ranch	11-7-17	9:45 am	.53
1	Blackman	11-7-17	11:34 am	.67
2	Hollow Springs	11-14-17	9:45 am	.56
2	Al Gates Park	11-14-17	10:03 am	.52
2	Oreo Ranch	11-14-17	10:16 am	.60
2	Blackman	11-14-17	12:00pm	.69
3	Hollow Springs	11-21-17	8:44 am	.55
3	Al Gates Park	11-21-17	9:11 am	.57
3	Oreo Ranch	11-21-17	9:29 am	.53
3	Blackman	11-21-17	11:29 am	.58
4	Hollow Springs	11-28-17	8:41 am	.61
4	Al Gates Park	11-28-17	8:57 am	.58
4	Oreo Ranch	11-28-17	9:11 am	.55
4	Blackman	11-28-17	11:29 am	.59
5	Hollow Springs			
5	Al Gates Park			
5	Oreo Ranch			
5	Blackman			

Fluoridation control range:

Low: 0.6 mg/L

Optimal: 0.7 mg/L

High: 1.2 mg/L

Monthly fluoride split sample results:

Date: 11-21-17

Water system personnel: .57 mg/L

Approved laboratory: .61 mg/L

Number of samples taken that fall outside the control range: 12

Number of samples taken per month pursuant to sampling plan: 16

Percentage outside of control range =
 $\frac{\text{Number that fall outside of range}}{\text{Number of samples taken}} \times 100\% = \frac{12}{16} \times 100\% = \underline{75}\%$

*Samples must be taken pursuant to approved sampling plan

Elk Grove Water District

Preventative Maintenance Program

Groundwater Wells

		Monthly												Semi-annual		Annual	
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Refer: 1ST 6-MO.	2ND 6-MO.	Refer:	2017
Well 14D Railroad	Initials	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ				
	Date	1/4/17	2/6/17			5/9/17	6/6/17	7/7/17	8/7/17	9/14/17	10/5/17	11/29/17					
	W.O.#	14584	14634			14819	14864	14932	14972	15089	15165	15280					15113
		Sect: 7.1												Sect: 7.2		Sect: 7.3	
Well 4D Webb	Initials	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ				
	Date	1/5/17	2/2/17	3/27/17	4/3/17	5/11/17	6/13/17	7/6/17	8/10/17	9/19/17	10/3/17	11/7/17					
	W.O.#	14586	14633	14683	14764	14820	14865	14933	14973	15090	15166	15281					15199
		Sect: 8.1												Sect: 8.2		Sect: 8.3	
Well 11D Dino	Initials	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ				
	Date	1/9/17	2/6/17	3/7/17	4/5/17	5/8/17	6/15/17	7/5/17	8/29/17	9/19/17	10/4/17	11/9/17					
	W.O.#	14587	14632	14682	14765	14821	14866	14934	14974	15091	15167	15282					15115
		Sect: 9.1												Sect: 9.2		Sect: 9.3	
Well 1D School	Initials	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ				
	Date	1/3/17	2/6/17	3/8/17	4/6/17												
	W.O.#	14585	14635	14684	14766	14822	14867	14935	14975	15092	15168	15283					
		Sect: 13.1												Sect: 13.2		Sect: 13.3	
Well 3 Mar-Yal	Initials	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ				
	Date	1/10/17	2/8/17	3/20/17	4/12/17	5/11/17	6/7/17	7/6/17	8/10/17	9/14/17	10/2/17	11/17/17					
	W.O.#	14588	14636	14685	14767	14823	14868	14936	14976	15094	15169	15284					
		Sect: 12.1												Sect: 12.2		Sect: 12.4	
Well 8 Williamson	Initials	AH	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ				
	Date	1/6/17	2/3/17	3/3/17	4/6/17												
	W.O.#	14589	14637	14686	14768	14824	14869	14937	14977	15095	15170	15285					
		Sect: 11.1												Sect: 11.2		Sect: 11.4	
Well 9 Polhemus	Initials	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ				
	Date	1/6/17	2/1/17	3/6/17	4/5/17	5/11/17	6/13/17	7/3/17	8/29/17	9/13/17	10/10/17	11/6/17					
	W.O.#	14590	14638	14687	14769	14825	14870	14938	14978	15096	15171	15286					
		Sect: TBD												Sect: TBD		Sect: TBD	
Well 13B Hampton	Initials																
	Date																
	W.O.#																
		Sect: TBD												Sect: TBD		Sect: TBD	

Well offline

Year: 2017

Elk Grove Water District

Preventative Maintenance Program

Rairoad Water Treatment and Storage Facility


Item	Monthly												Quarterly			Semi-annual			Annual				
	Refer.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1st	2nd	3rd	4th	1st	6 th	6 th	Refer.	2017	
Cor-Tec System	Section: 4.2	WQ 1/12/17 14591	WQ 2/2/17 14639	WQ 3/6/17 14688	AH 4/17/17 14760	WQ 5/11/17 14815	WQ 6/12/17 14871	WQ 7/18/17 14928	WQ 8/21/17 14986	WQ 9/7-17 15082	WQ 10/4/17 15173	WQ 11/6/17 15274	DEC	AH/WQ 3/22/17 14693	AH/WQ 6/22/17 14875	AH/WQ 9/18/17 15088	WQ 11/15/17 15278	Section: 4.4					
Filter System	Section: 5.1	WQ 1/25/17 14592	WQ 2/16/17 14640	AH 3/3/17 14689	AH 4/20/17 14761	AH/WQ 5/12/17 14816	WQ 6/19/17 14872	WQ 7/17/17 14929	AH 8/15/17 14987	WQ 9/13/17 15083	WQ 10/16/17 15174	WQ 11/28/17 15275		AH/WQ 6/21/17 14877	WQ 10/23/17 15200			Section: 5.3					
Backwash System	Section: 2.1	WQ 1/25/17 14593	WQ 2/7/17 14641	WQ 3/6/17 14690	AH 4/21/17 14763	WQ 5/11/17 14817	WQ 6/12/17 14873	WQ 7/31/17 14930	AH 8/21/17 14988	WQ 9/11/17 15084	WQ 10/16/17 15175	WQ 11/7/17 15276		WQ 6/22/17 14878				Section: 2.2					
Booster Pumps	Section: 3.1	WQ 1/25/17 14594	AH/WQ 2/22/17 14642	WQ 3/16/17 14691	AH 4/21/17 14762	AH 5/26/17 14818	AH 6/15/17 14876	AH/WQ 7/31/17 14931	AH/WQ 8/22/17 14989	WQ 9/15/17 15087	WQ 10/17/17 15176	WQ 11/28/17 15277						Section: 3.2					
LAB		Initials Date W.O. #												AH	AH	AH		Section: 1.1					
Clear Wells		Initials Date W.O. #												3/13/17	6/13/17	9/14/17		Section: 1.2					
MCC		Initials Date W.O. #												14692	14874	15011		Section: 2.4					
		Initials Date W.O. #																Section: 1.2					

Elk Grove Water District

Preventative Maintenance Program

Hampton Village Water Treatment Plant

Item	Monthly												Quarterly			Semi-annual			Annual					
	Refer.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1st	2nd	3rd	4th	Refer.	1ST 6-MO.	2ND 6-MO.	Refer.	2017		
Chemical Systems	Section: TBD							AH/WQ 7/24/17 14941	AH/WQ 8/24/17 14983	AH 9/15/17 15098	AH 10/23/17 15177	AH 11/29/17 15271					AH 9/15/17 15103							
Filter System	Section: TBD							AH/WQ 7/24/17 14939	AH/WQ 8/24/17 14984	WQ 9/19/17 15099	AH 10/30/17 15178	AH 11/29/17 15272												
Backwash System	Section: TBD							AH 7/24/17 14940	AH/WQ 8/24/17 14985	WQ 9/19/17 15100	AH 10/30/17 15179	AH 11/29/17 15273												
LAB	Initials Date W.O. #																	AH 9/15/17 15102						
MCC	Initials Date W.O. #																							

 = Plant Offline

Elk Grove Water District

Preventative Maintenance Program

Standby Generators

Item	Monthly												Annual		
	Refer.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Refer.	2017
	Initials	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	Section:	
Railroad	Date	1/4/17	2/3/17	3/22/17	4/13/17	5/9/17	6/12/17	7/7/17	8/7/17	9/19/17	10/31/17	11/17/17		TBD	
	W.O. #	14595	14629	14680	14757	14826	14885	14942	14979	15104	15180	15267			
	Section:	TBD													
Webb	Initials	WQ	WQ	WQ	WQ	AH	WQ	WQ	WQ	WQ	WQ	WQ	WQ	Section:	
	Date	1/5/17	2/2/17	3/27/17	4/3/17	5/11/17	6/13/17	7/6/17	8/10/17	9/19/17	10/3/17	11/7/17		TBD	
	W.O. #	14597	14631	14694	14758	14827	14886	14944	14980	15105	15181	15268			
Dino	Initials	WQ	WQ	WQ	AH	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	Section:	
	Date	1/9/17	2/6/17	3/7/17	4/5/17	5/8/17	6/15/17	7/5/17	8/29/17	9/19/17	10/4/17	11/9/17		TBD	
	W.O. #	14596	14630	14695	14759	14828	14887	14945	14981	15106	15182	15269			
Hampton	Initials													Section:	
	Date													TBD	
	W.O. #														
Admin.	Initials								AH/WQ	AH	AH	AH	AH	Section:	
	Date								8/23/17	9/19/17	10/30/17	11/16/17		TBD	
	W.O. #								14982	15107	15183	15270			
		= Load Test													

Elk Grove Water District
Backflow Prevention Program 2017

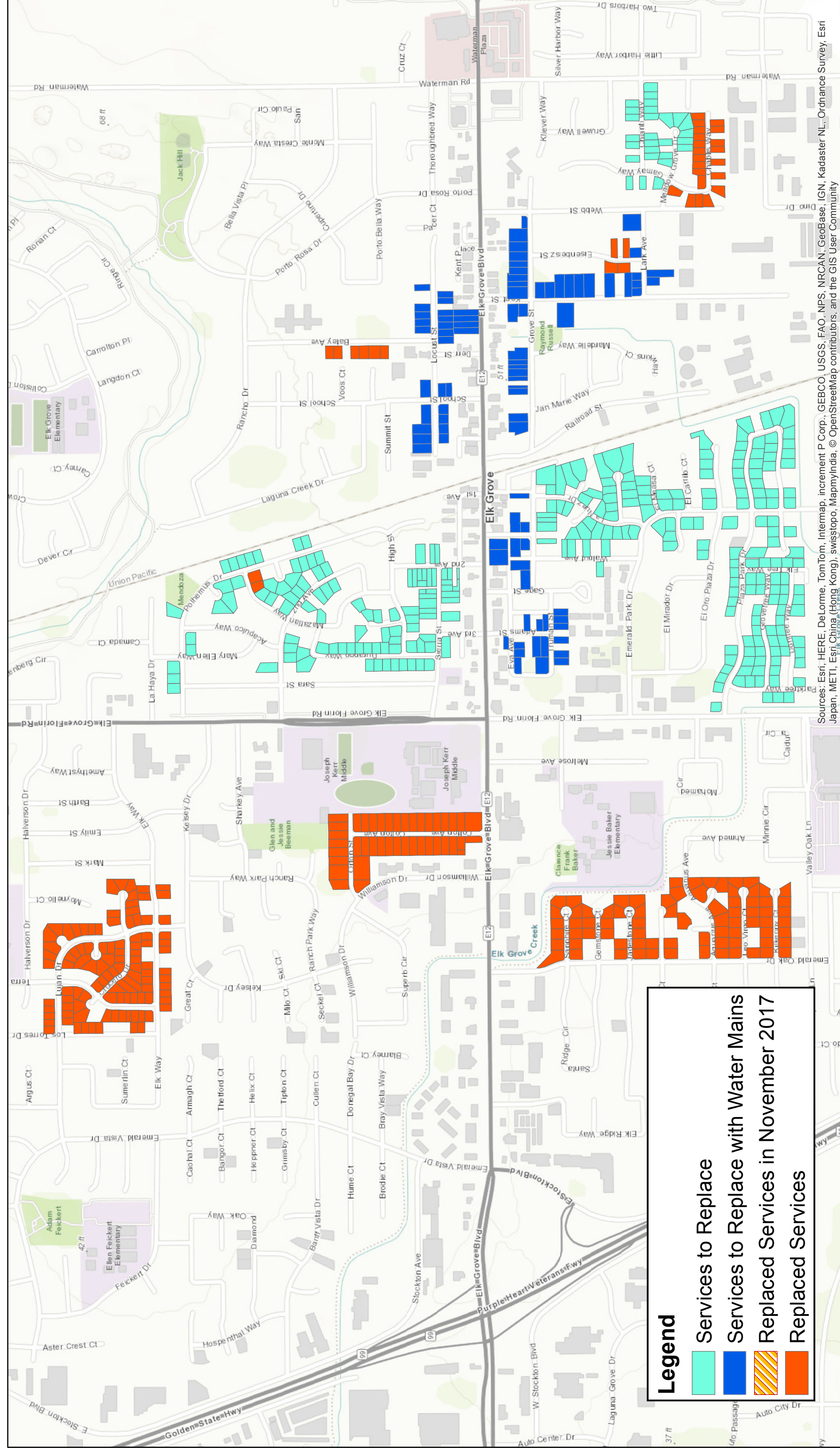
Backflow Device Reports												
CURRENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Notices Issued	39	39	78	13	56	69	151	95	69	42	46	
Assemblies Tested	30	34	56	11	44	18	75	51	48	30	34	
Passed Initial Test	28	29	52	11	41	16	71	46	48	28	33	
Failed Initial Test	2	5	4	0	3	2	4	5	0	2	1	
Failed Devices Retested-----Passed	1	5	4		3	2	4	4		2	1	
Investigations or Address Change						20	1	1		1		
Inactivated Devices						1		1				
Schedule Code Changed												
Devices Turned Off						1						
2nd Notices Issued	10	5	22	2	12	29	76	44	21	11	12	0

Monthly Outstanding Delinquents	0	0	0	0	0	0	0	0	0	0	0	12
---------------------------------	---	---	---	---	---	---	---	---	---	---	---	----

Total Outstanding Delinquents	12
--------------------------------------	-----------

Elk Grove Water District
Safety Meetings/Training
November 2017

Date	Topic	Attendees	Hosted By
11/1/2017	EGWD Defensive Driving Class	Alan Aragon, Jose Carrillo, Aaron Hewitt, Bruce Kamilos, Denise Maxwell, Jose Mendoza, Sal Mendoza, Cindy Robertson, William Sadler, Steve Shaw, John Vance, Brandon Wagner, Marcell Wilson	Scott Wood
11/2/2017	EGWD Defensive Driving Class	Aurelia Camilo, John Diaz, Travis Franklin, Dave Frederick, Sean Hinton, Sarah Jones, Patrick Lee, Mark Madison, Justin Mello, Donella Murillo, Chris Phillips, Stefani Phillips, Wilfredo Quintero, Richard Salas, Tonia Williams	Scott Wood
11/13/2017	Electrical Safety	Aurelia Camilo, Jose Carrillo, Dave Frederick, Aaron Hewitt, Sean Hinton, Justin Mello, Jose Mendoza, Sal Mendoza, Michael Montiel, Chris Phillips, Wilfredo Quintero, William Sadler, Richard Salas, John Vance, Marcell Wilson	Sarah Jones
11/27/2017	Fall Protection - Ladders	Alan Aragon, Jose Carrillo, John Diaz, Dave Frederick, Aaron Hewitt, Sean Hinton, Justin Mello, Salvador Mendoza, Michael Montiel, Chris Phillips, William Sadler, Steve Shaw, John Vance, Brandon Wagner, Marcell Wilson	Sarah Jones

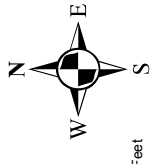


Legend

- Services to Replace
- Services to Replace with Water Mains
- Replaced Services in November 2017
- Replaced Services

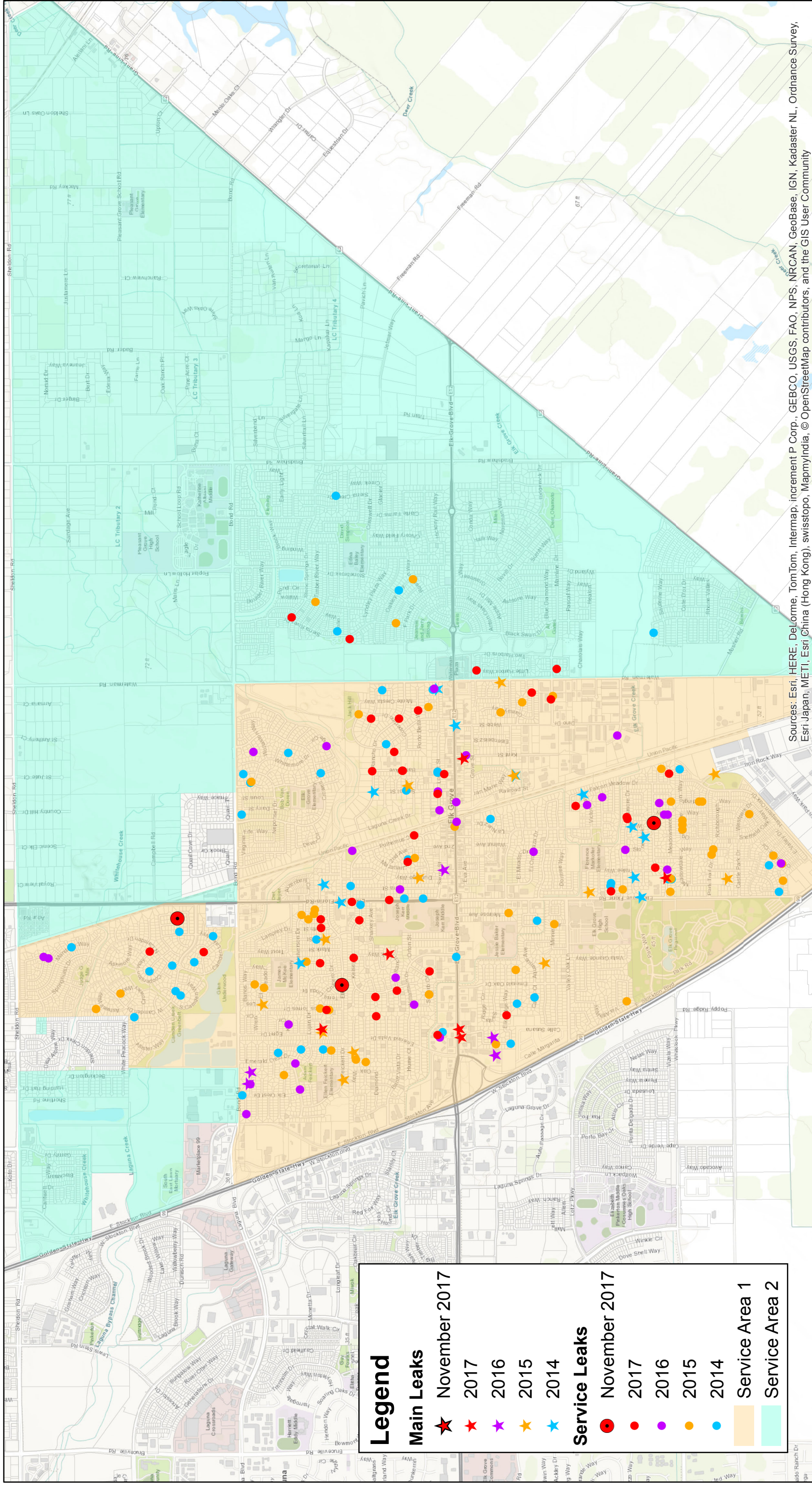
Services to Replace: 380
 Services Replaced in November 2017: 0
 Total Service Replaced: 252

**Elk Grove Water District
 Service Line Replacement**




Sources: Esri, HERE, DeLorme, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri, China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

Projected Coordinate System: NAD 83 State Plane, California II, FIPS 0420
 Source: City of Elk Grove, EGWD and Sacramento County GIS databases
 Created by: Travis Franklin
 Date: December 7, 2017



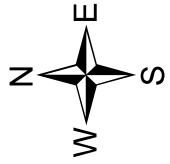
Sources: Esri, HERE, DeLorme, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri (China (Hong Kong)), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

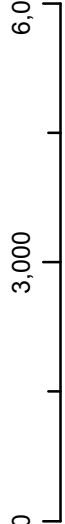
Elk Grove Water District	
Service / Main Leaks	
Created by: Travis Franklin	
Date: December 7, 2017	



Elk Grove Water District

Main and Service Line Leaks Map





November 2017	
Main Line Leaks: 0	YTD: 6
Service Line Leaks: 3	YTD: 42
Total Leaks: 3	YTD: 48

Legend

Main Leaks

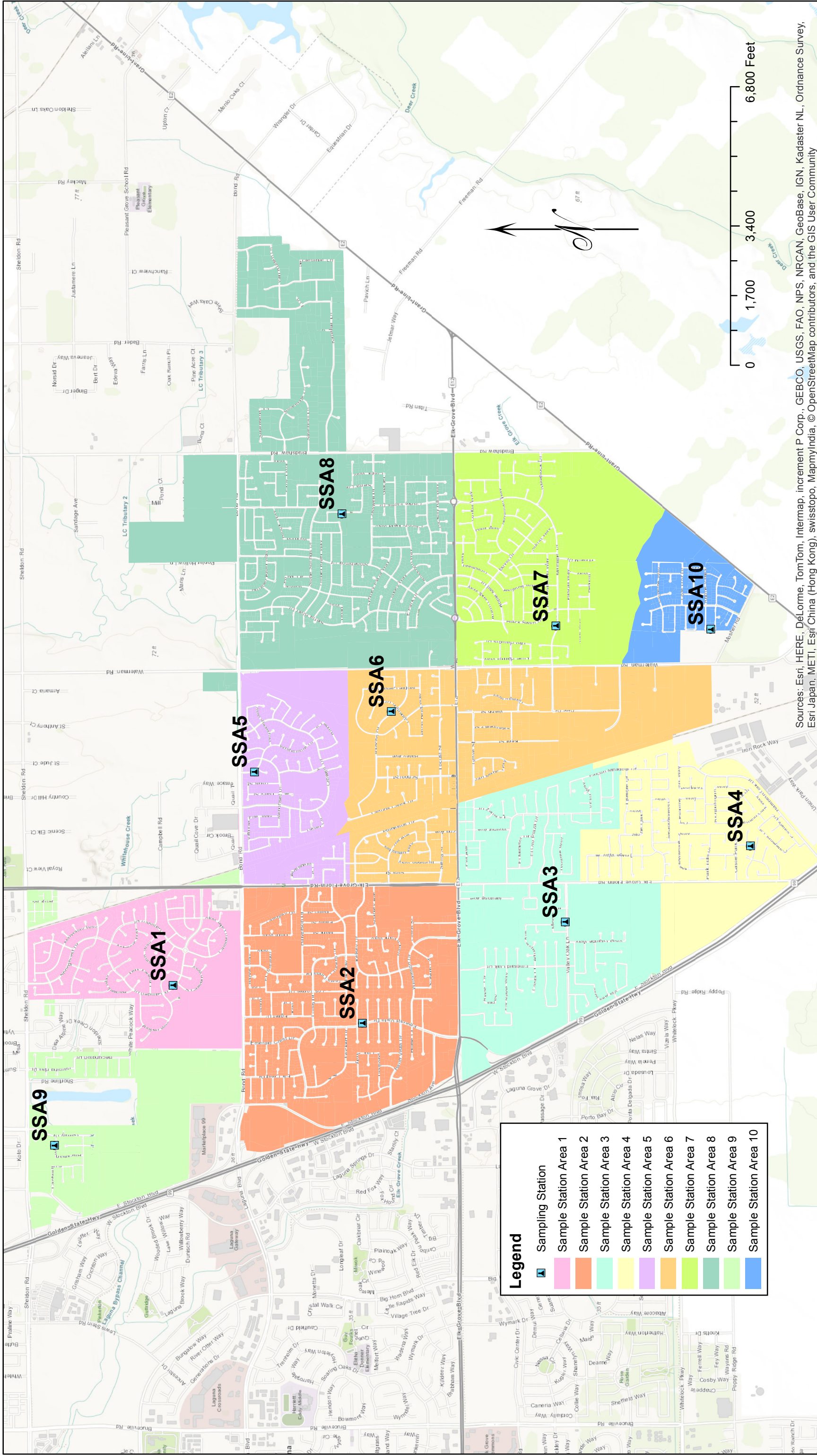
- ★ November 2017
- ★ 2017
- ★ 2016
- ★ 2015
- ★ 2014

Service Leaks

- November 2017
- 2017
- 2016
- 2015
- 2014

■ Service Area 1

■ Service Area 2



Legend

- Sampling Station
- Sample Station Area 1
- Sample Station Area 2
- Sample Station Area 3
- Sample Station Area 4
- Sample Station Area 5
- Sample Station Area 6
- Sample Station Area 7
- Sample Station Area 8
- Sample Station Area 9
- Sample Station Area 10

Projected Coordinate System: NAD 83 State Plane CA II FIPS 0402
 Source: EGWD GIS database
 Modified by: Travis Franklin
 December 7, 2017

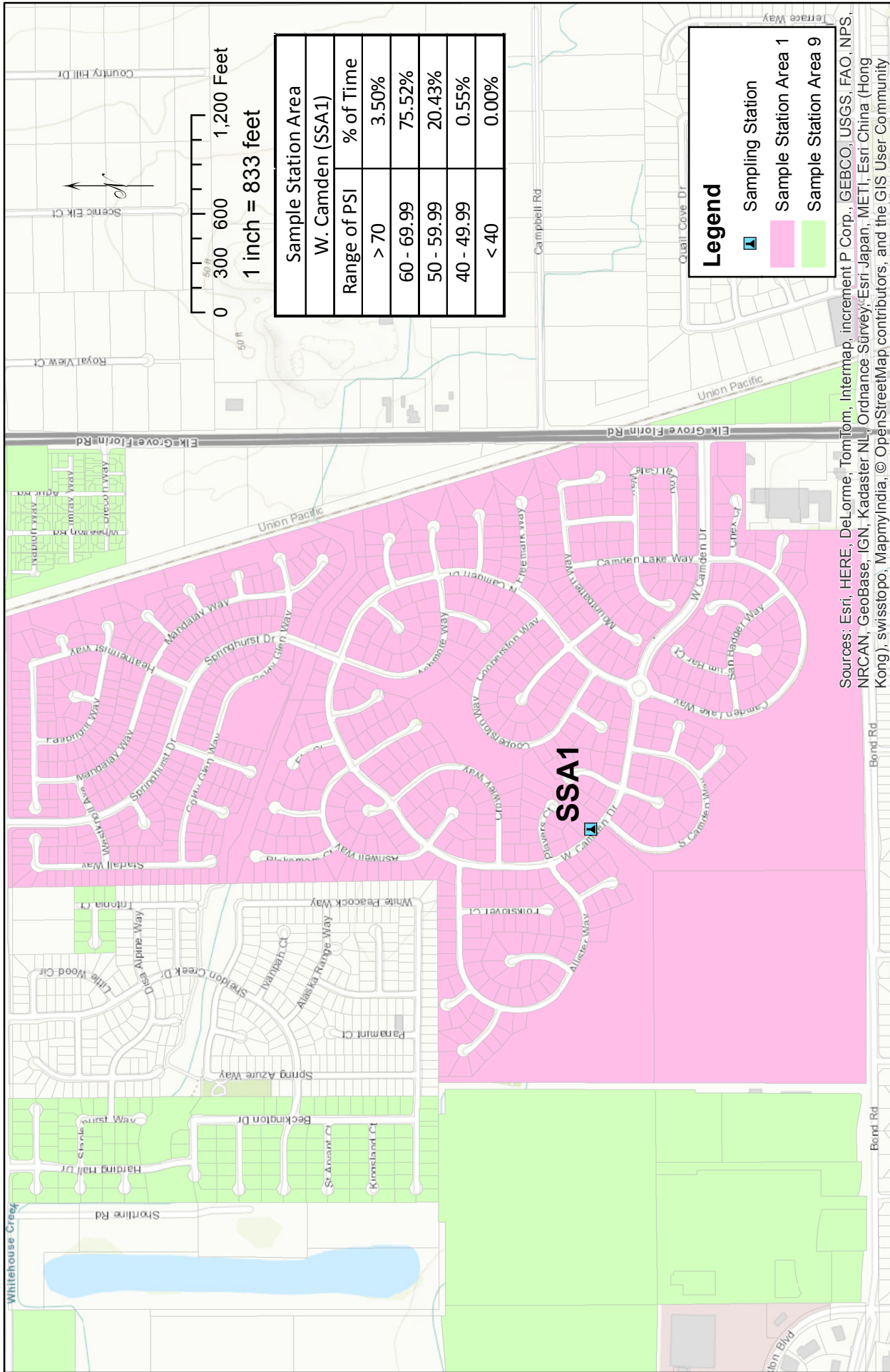
Elk Grove Water District

Sample Station Areas

Sample Stations: 10



Sources: Esri, HERE, DeLorme, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeBCO, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community



Sources: Esri, HERE, DeLorme, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swissltopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

Sample Station #1

Note: Sample Station takes a reading every 5 minutes.

November 2017



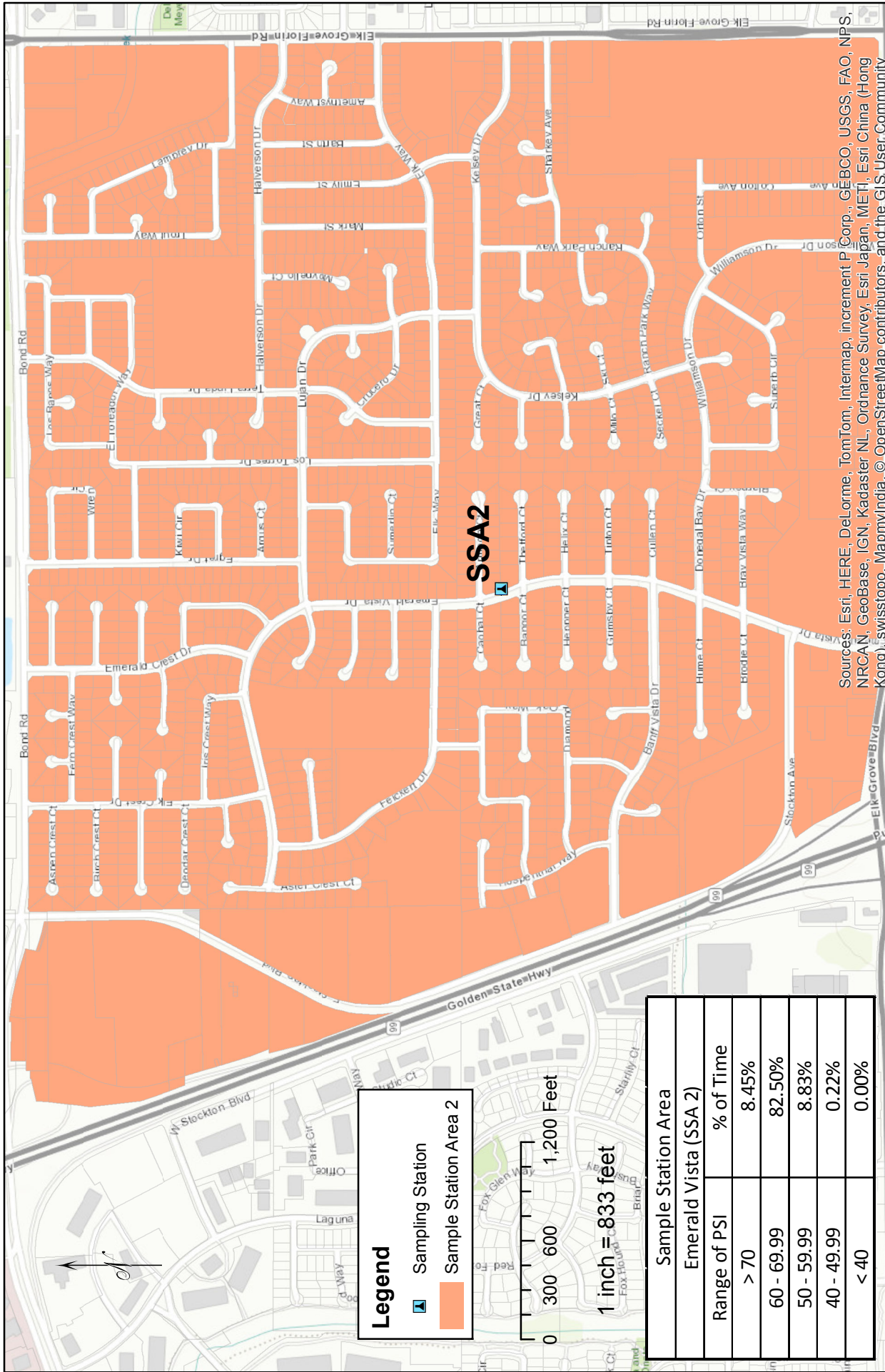
Elk Grove Water District

System Pressure Monitoring

Projected Coordinate System:
NAD 83 State Plane CA II FIPS 0402



Source: EGWD GIS database

Created by: Travis Franklin
December 7, 2017



Sources: Esri, HERE, DeLorme, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), Swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

Legend

-  Sampling Station
-  Sample Station Area 2



Sample Station Area	Emerald Vista (SSA 2)
Range of PSI	% of Time
> 70	8.45%
60 - 69.99	82.50%
50 - 59.99	8.83%
40 - 49.99	0.22%
< 40	0.00%

Sample Station #2

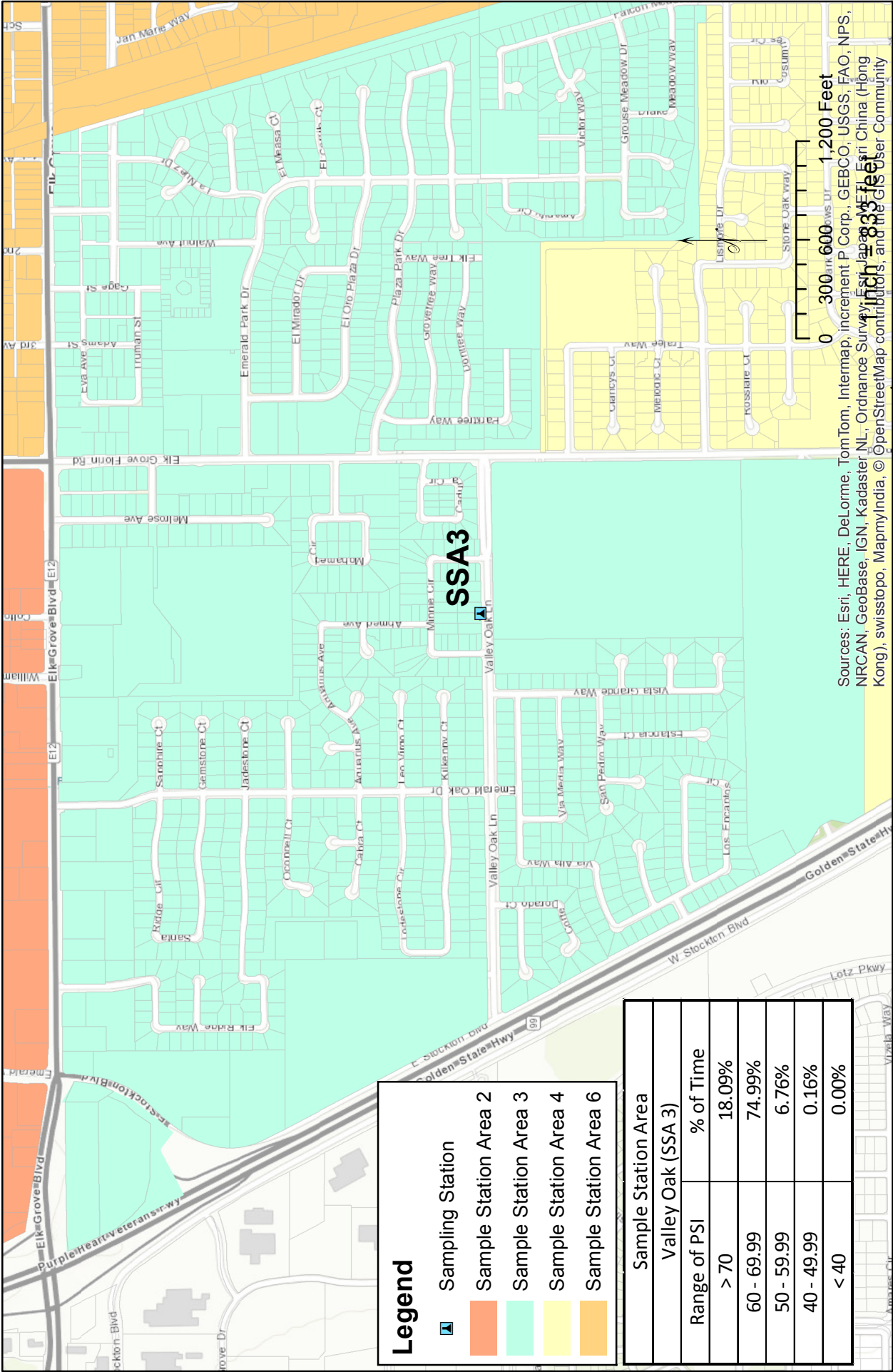
Note: Sample Station takes a reading every 5 minutes.

November 2017

Elk Grove Water District
System Pressure Monitoring



Projected Coordinate System:
 NAD 83 State Plane CA II FIPS 0402
 Source: EGWD GIS database
 Created by: Travis Franklin
 December 7, 2017



Sources: Esri, HERE, DeLorme, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, Swire, Esri China (Hong Kong), swisstopo, MapmyIndia, ©OpenStreetMap contributors, and the GIS User Community

Legend

- Sampling Station
- Sample Station Area 2
- Sample Station Area 3
- Sample Station Area 4
- Sample Station Area 6

Sample Station Area	Range of PSI	% of Time
Valley Oak (SSA 3)	> 70	18.09%
	60 - 69.99	74.99%
	50 - 59.99	6.76%
	40 - 49.99	0.16%
	< 40	0.00%

Sample Station #3

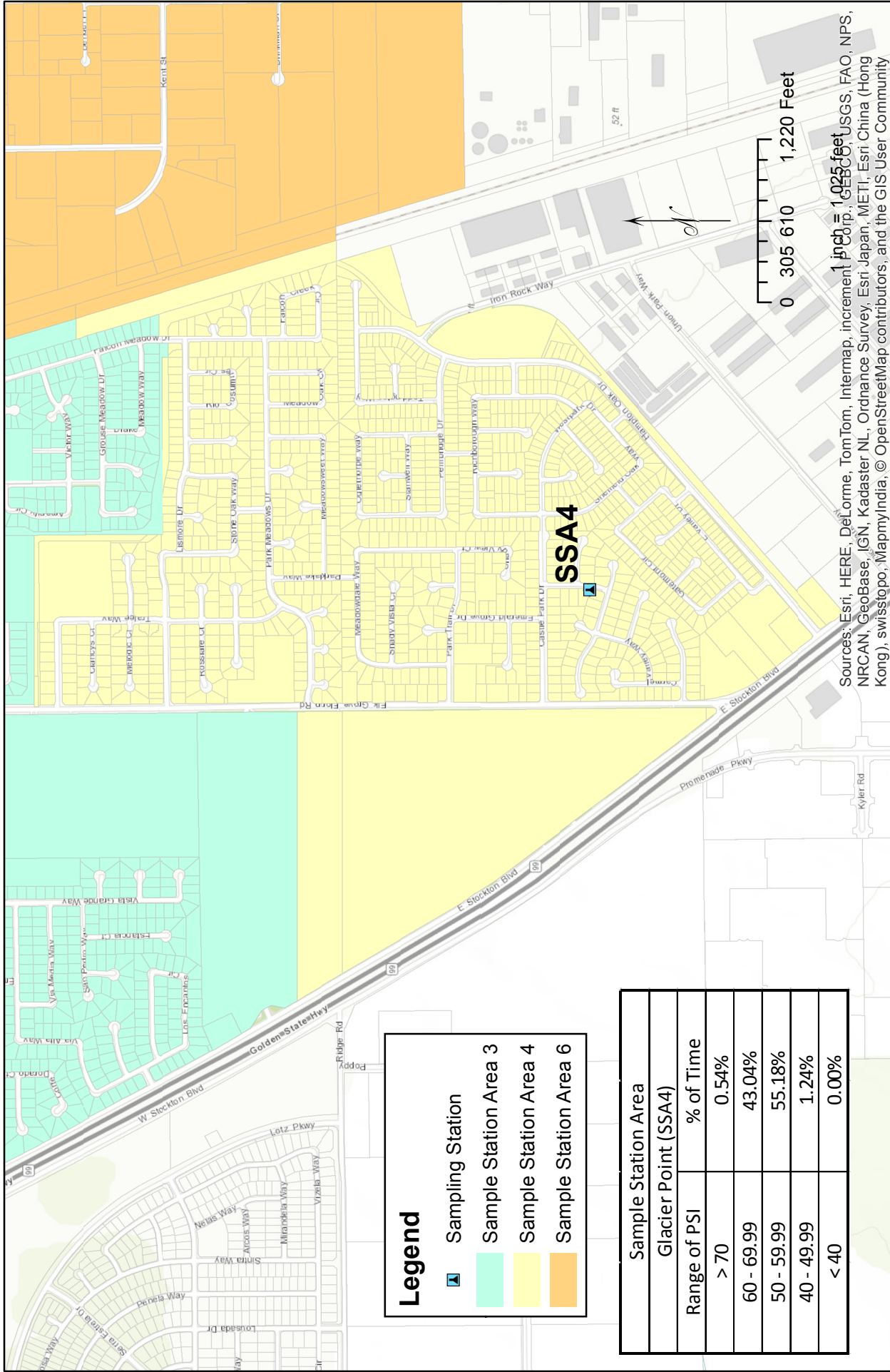
Note: Sample Station takes a reading every 5 minutes.

November 2017

Elk Grove Water District
System Pressure Monitoring



Projected Coordinate System:
NAD 83 State Plane CA II FIPS 0402
Source: EGWD GIS database
Created by: Travis Franklin
December 7, 2017



1 inch = 1,025 feet
 Sources: Esri, HERE, DeLorme, TomTom, Intermap, increment Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

Legend

- Sampling Station
- Sample Station Area 3
- Sample Station Area 4
- Sample Station Area 6

Sample Station Area	Glacier Point (SSA4)	Range of PSI	% of Time
		> 70	0.54%
		60 - 69.99	43.04%
		50 - 59.99	55.18%
		40 - 49.99	1.24%
		< 40	0.00%



Elk Grove Water District

System Pressure Monitoring

Projected Coordinate System:
 NAD 83 State Plane CA II FIPS 0402
 Source: EGWD GIS database
 Created by: Travis Franklin
 December 7, 2017

Sample Station #4

Note: Sample Station takes a reading every 5 minutes.

November 2017



Sources: Esri, HERE, DeLorme, TomTom, Intermap, increment P Corp., GEBCO, USGS, Aero, FRS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

Legend

- Sampling Station
- Sample Station Area 5

Sample Station Area	Range of PSI	% of Time
Amsden (SSA 5)		
	> 70	0.57%
	60 - 69.99	40.46%
	50 - 59.99	57.76%
	40 - 49.99	1.21%
	< 40	0.00%



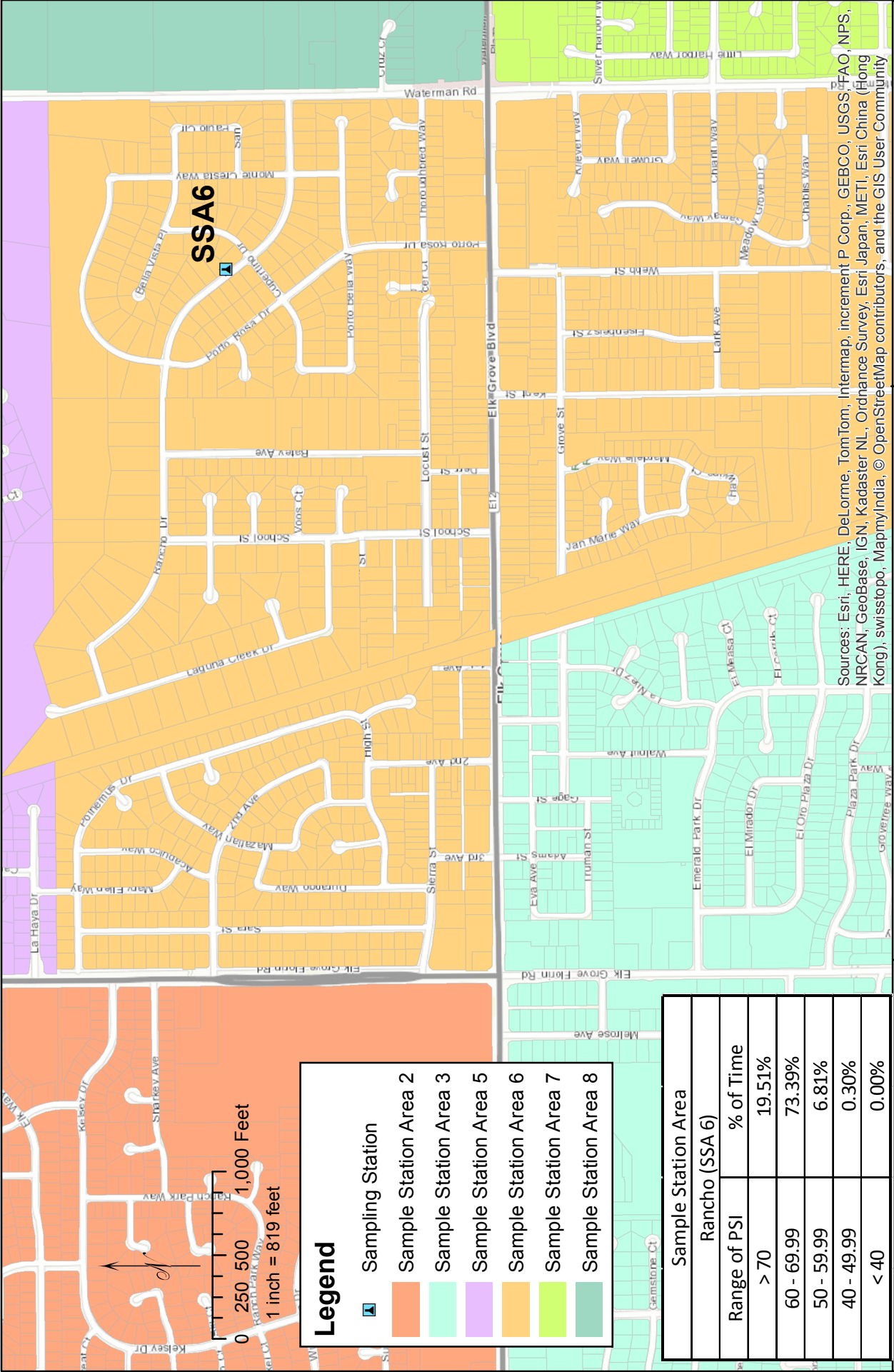
Elk Grove Water District

System Pressure Monitoring

Projected Coordinate System:
 NAD 83 State Plane CA II FIPS 0402
 Source: EGWD GIS database
 Created by: Travis Franklin
 December 7, 2017

Sample Station #5

Notes: Sample Station takes a reading every 5 minutes.
 November 2017



Sample Station Area	% of Time
> 70	19.51%
60 - 69.99	73.39%
50 - 59.99	6.81%
40 - 49.99	0.30%
< 40	0.00%

Sample Station Area	Sample Station #6
Rancho (SSA 6)	
Range of PSI	
> 70	19.51%
60 - 69.99	73.39%
50 - 59.99	6.81%
40 - 49.99	0.30%
< 40	0.00%

Sample Station #6

Note: Sample Station takes a reading every 5 minutes.

November 2017



Elk Grove Water District System Pressure Monitoring

Projected Coordinate System:
NAD 83 State Plane CA II FIPS 0402

Source: EGWD GIS database

Created by: Travis Franklin
December 7, 2017

Sources: Esri, HERE, DeLorme, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community



Legend

- Sample Station Area 7
- Sample Station Area 6
- Sample Station Area 8
- Sample Station Area 10

Sample Station Area	Mainline (SSA 7)
Range of PSI	% of Time
> 70	0.75%
60 - 69.99	94.19%
50 - 59.99	5.06%
40 - 49.99	0.00%
< 40	0.00%



Elk Grove Water District

System Pressure Monitoring

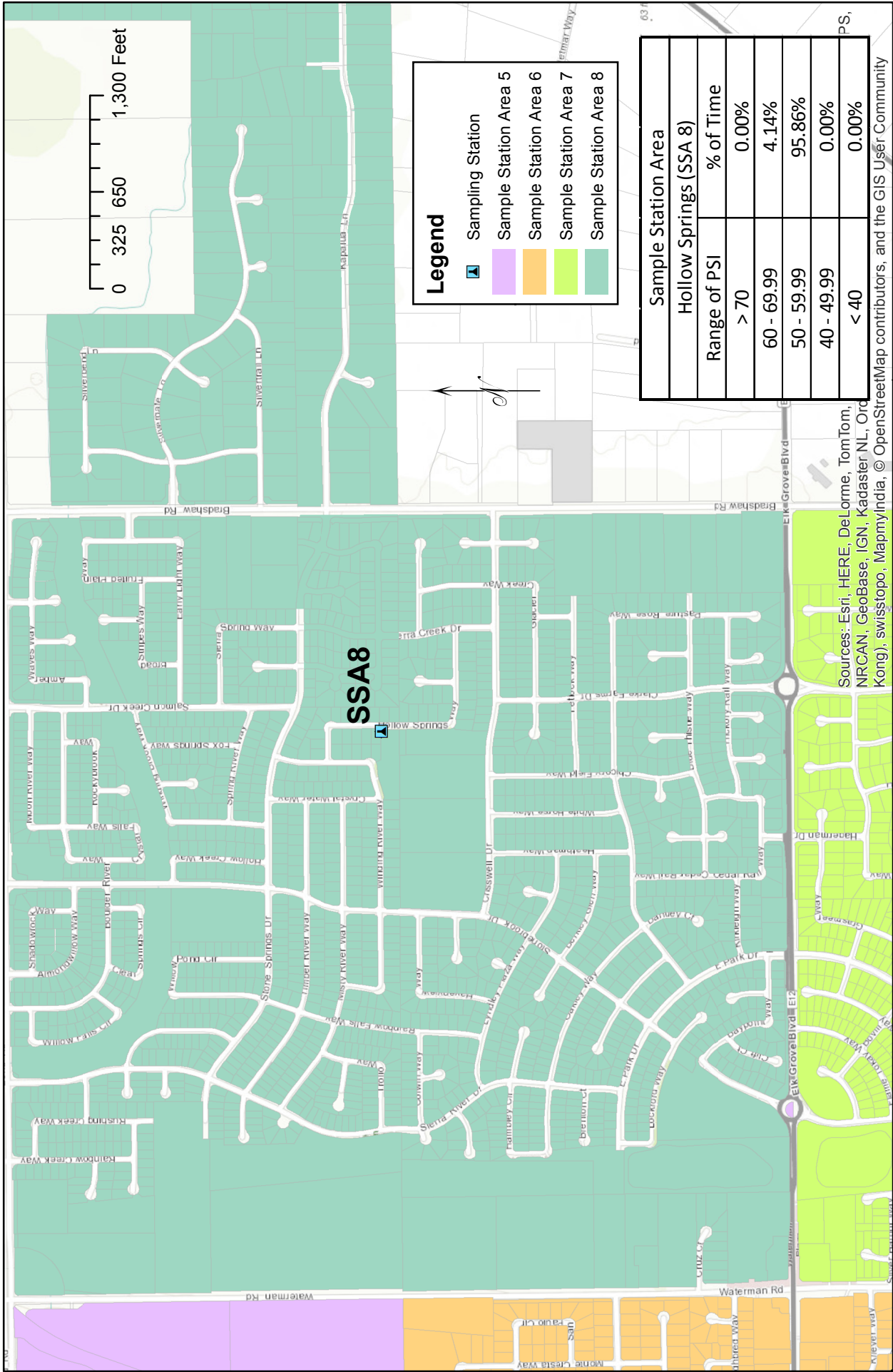
Sample Station #7

Note: Sample Station takes a reading every 5 minutes.

November 2017

Projected Coordinate System:
 NAD 83 State Plane CA II FIPS 0402
 Source: EGWD GIS database
 Created by: Travis Franklin
 December 7, 2017

Sources: Esri, HERE, DeLorme, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swiss topo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community



Legend

- Sampling Station
- Sample Station Area 5
- Sample Station Area 6
- Sample Station Area 7
- Sample Station Area 8

Sample Station Area	Range of PSI	% of Time
Hollow Springs (SSA 8)	> 70	0.00%
	60 - 69.99	4.14%
	50 - 59.99	95.86%
	40 - 49.99	0.00%
	< 40	0.00%

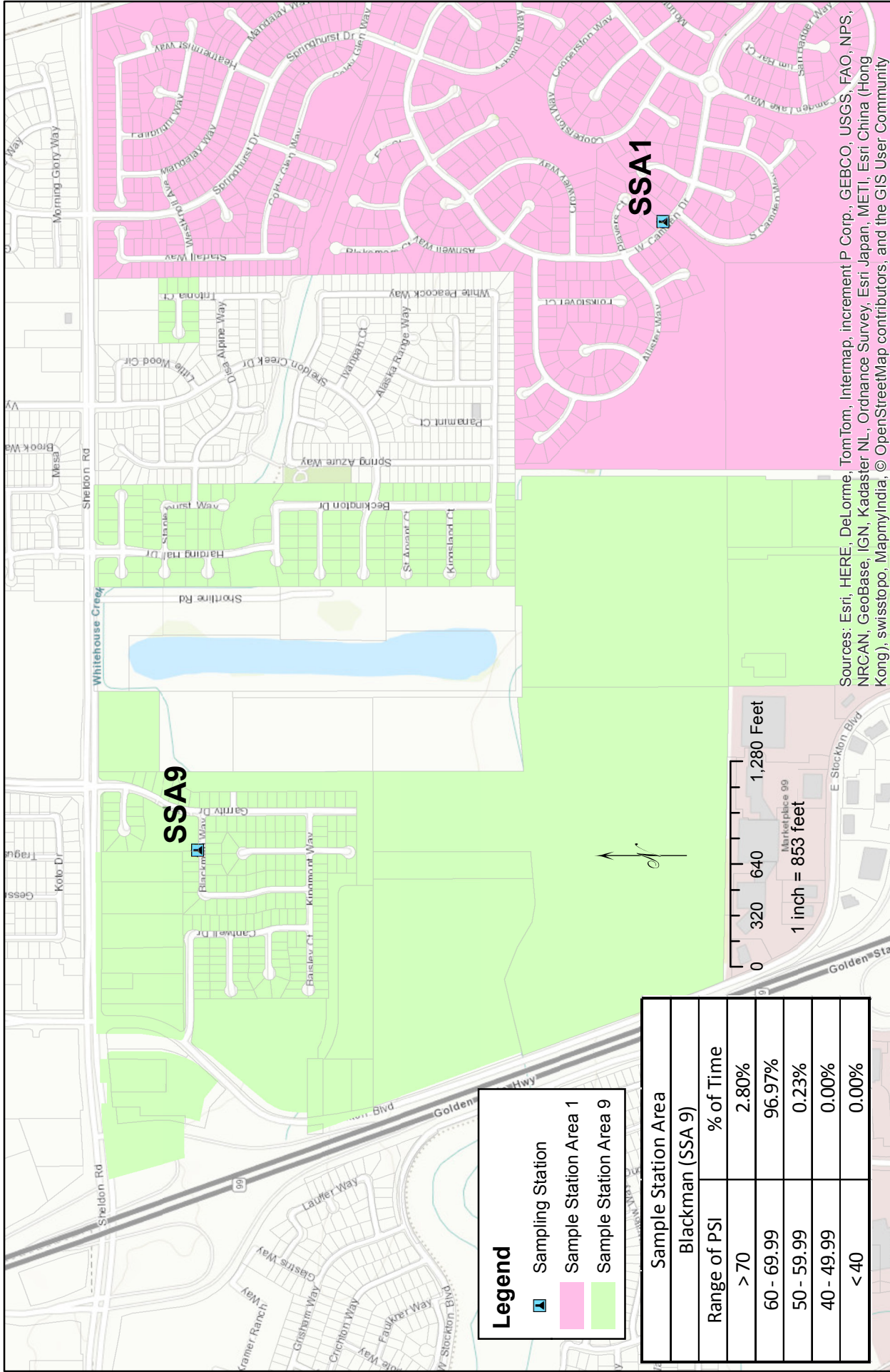
Sources: Esri, HERE, DeLorme, TomTom, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri, Swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

Projected Coordinate System:
 NAD 83 State Plane CA II FIPS 0402
 Source: EGWD GIS database
 Created by: Travis Franklin
 December 7, 2017

Elk Grove Water District
 System Pressure Monitoring



Sample Station #8
 Note: Sample Station takes a reading every 5 minutes.
 November 2017



Legend

- Sampling Station
- Sample Station Area 1
- Sample Station Area 9

Sample Station Area	Blackman (SSA 9)	Range of PSI	% of Time
> 70	2.80%		
60 - 69.99	96.97%		
50 - 59.99	0.23%		
40 - 49.99	0.00%		
< 40	0.00%		

Sample Station #9

Note: Sample Station takes a reading every 5 minutes.

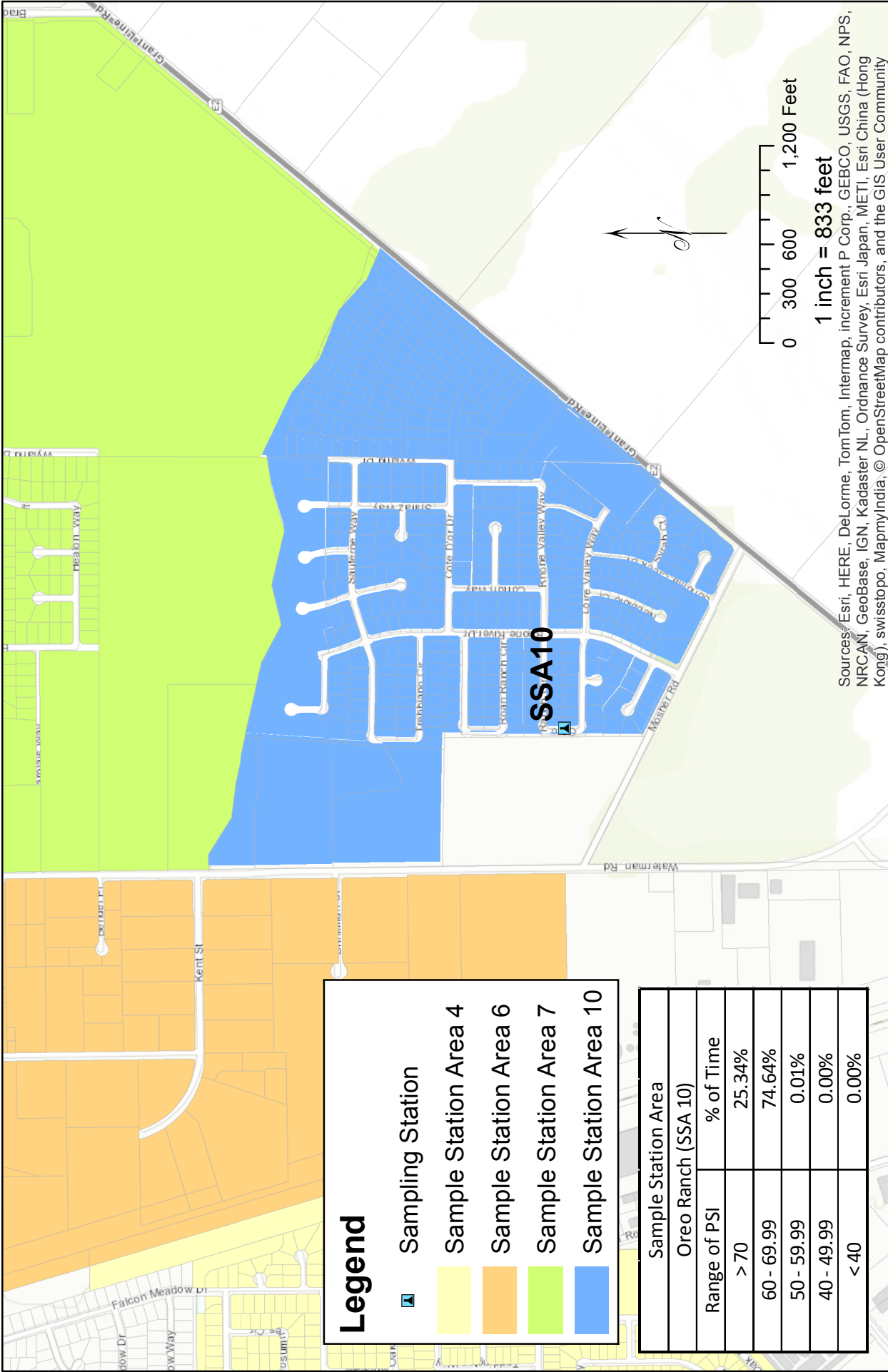
November 2017



Elk Grove Water District
System Pressure Monitoring

Projected coordinate system:
NAD 83 State Plane CA II FIPS 0402
Source: EGWD GIS database
Created by: Travis Franklin
December 7, 2017

Sources: Esri, HERE, DeLorme, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community



Legend

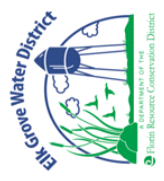
- Sampling Station
- Sample Station Area 4
- Sample Station Area 6
- Sample Station Area 7
- Sample Station Area 10

Sample Station Area	
Oreo Ranch (SSA 10)	
Range of PSI	% of Time
> 70	25.34%
60 - 69.99	74.64%
50 - 59.99	0.01%
40 - 49.99	0.00%
< 40	0.00%

Sample Station #10

Note: Sample Station takes a reading every 5 minutes.

November 2017



Elk Grove Water District

System Pressure Monitoring

Projected Coordinate System:
 NAD 83 State Plane CA II FIPS 0402

Source: EGWD GIS database

Created by: Travis Franklin
 December 7, 2017

Sources: Esri, HERE, DeLorme, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

0 300 600 1,200 Feet

1 inch = 833 feet



December 20, 2017

TO: Chairperson and Directors of the Florin Resource Conservation District
FROM: Patrick Lee, Finance Manager/Treasurer
SUBJECT: **RATE STUDY COMMUNITY ADVISORY COMMITTEE APPOINTMENTS**

RECOMMENDATION

It is recommended that the Board of Directors approve a motion appointing selected individuals to the Community Advisory Committee for the 2017 Connection Fee and Water Rate Study.

Summary

The Florin Resource Conservation District is establishing a Community Advisory Committee (CAC) to provide input regarding the 2017 Connection Fee and Water Rate Study, which is now underway. The CAC may also be used to assist the District with other issues such as water quality and capital improvement planning.

The CAC will be made up of eight members of the community and led by both Associate Directors, for a total of 10 committee members. Interested individuals were required to apply by obtaining an application from Elk Grove Water District or by December 15th, 2017, at 4:00PM.

DISCUSSION

Background

In July 2012, a CAC was established to help the District with the last water rate study. During that process, the CAC was helpful in providing ideas and feedback regarding water quality, changes in water rates, and the future needs of the District. Between August of 2012 and April of 2013, the District held several CAC meetings and the members of the community (residents, property owners, and business owners) that participated in those meetings provided constructive insight to the District.

RATE STUDY COMMUNITY ADVISORY COMMITTEE APPOINTMENTS

Page 2

Present Situation

At the November Board meeting, the Board directed staff to proceed with the establishment of a CAC and appointed Associate Board Members Shahid Chaundhry and Kenneth Strom to lead that committee. The Board also decided to limit the CAC to 8 additional members, so that the CAC included no more than 10 people.

Staff solicited for the CAC by posting an ad in the Elk Grove Citizen and posting an announcement on its website. Staff also prepared and issued a bill insert which was mailed to all EGWD customers on December 1.

As of the preparation date of this staff report, applications have not yet been received. Any applications received on or before December 15 will be provided to the Board at the Board meeting on December 20.

In the event that more than 8 applications are received, based on the Board's previous direction, the Chair will appoint the committee members based on a random selection process to serve on the CAC with the two Associate Directors.

The Community Advisory Committee meetings are anticipated to begin with the first meeting scheduled for January 10, 2018. A total of 3 CAC meetings are anticipated during the course of the rate study.

ENVIRONMENTAL CONSIDERATION

There are no environmental considerations associated with this report.

STRATEGIC PLAN CONFORMITY

This item conforms to the FRCD/EGWD's 2012-2017 Strategic Plan. The appointment of a CAC to provide input on the 2017 Connection Fee and Water Rate Study will assist in the creation and adoption of a comprehensive rate study, which will quantify the future financial needs of the District and serve as the District's Financial Plan to guide the District for the next five years and is in line with the financial stability and best business practices of the financial stability challenges section of the Strategic Plan.

December 20, 2017

RATE STUDY COMMUNITY ADVISORY COMMITTEE APPOINTMENTS

Page 3

FINANCIAL SUMMARY

There are no financial considerations associated with this report.
Respectfully submitted,



PATRICK LEE
FINANCE MANAGER/TREASURER

December 20, 2017

TO: Chairperson and Directors of the Florin Resource Conservation District
FROM: Stefani Phillips, Human Resource Administrator
SUBJECT: **BOARD OF DIRECTOR BENEFITS**

RECOMMENDATION

It is recommended that the Florin Resource Conservation District Board of Directors consider Board of Director Benefits and provide direction to staff.

Summary

The Florin Resource Conservation District (FRCD) Board of Directors may be provided with various benefits upon board approval of a resolution, which is required by the Association of California Water Agencies/Joint Powers Insurance Authority (ACWA/JPIA). The Board may select all benefits that are offered to the employees or they may select only particular benefits of interest to offer to the Board of Directors.

By this action, it is recommended that the Board discuss the agenda item and provide direction to staff.

DISCUSSION

Background

At the November 15, 2017 Regular Board Meeting, staff provided a brief description of medical benefits that could be offered to the Board of Directors by passing a resolution required by ACWA/JPIA. The Board of Directors requested staff to bring back more information regarding Board of Director Benefits at the December Regular Board Meeting.

Present Situation

Staff has reviewed the ACWA/JPIA benefits that may be offered to the Board of Directors. Law does not prescribe that the Board of Directors be offered benefits, but it is an option that the Board may consider, subject to a resolution.

BOARD OF DIRECTOR BENEFITS

Page 2

Assuming that the Board is interested in entertaining benefit coverage, they must decide what benefits will be offered. The District currently provides the employees medical, dental, vision, life insurance, and Employee Assistance Program (EAP). The Board may choose the same benefits that are provided to the employees or the Board may limit the benefits, including the medical plans that are offered to the Board of Directors.

Furthermore, if a Director is offered benefits, but elects not to accept the benefits as selected by the Board of Directors, that Director must sign a waiver to opt out of medical, dental, vision, life insurance and EAP, due to being opposed to using District funds, for the remainder of the term they are serving. If a Director declined to sign that waiver, the District would be disqualified from the medical incentive rates currently afforded to the District.

It should be noted that the current dental plan is non-voluntary for dependents, so in the event that the Board of Directors select to offer the dental plan, all eligible dependents of Directors would also be required to enroll. Should an eligible dependent not enroll, the dental plan would be subject to a voluntary plan conversion as well as increased dental plan rates.

Additionally, if the Board directs staff to move forward with offering the Board of Directors benefits, a new policy would need to be established. This policy would not be contained in the Employee Policy Manual as it would have different guidelines and requirements to adhere to and would be specific to the Board of Directors. Currently, the District has a cap on medical benefits that is passed on to the employees as pay deductions. The Board may consider whether the medical cap would be applicable to the Board of Directors as well.

District Benefit Information is as follows:

1. Medical Benefits

The District offers seven (7) plans to the employees (Attachment 1). Open enrollment begins in October through early November with medical plan coverage beginning on January 1 of each calendar year. Each year new medical premium rates become effective on January 1 as well. In 2018, the District will welcome Incentive Rates to all plans offered, with the exception of Kaiser. The medical plan rates and medical caps are also included in Attachment 1.

BOARD OF DIRECTOR BENEFITS

Page 3

2. Dental Benefits

The District offers one (1) dental plan, Delta Dental PPO (Attachment 2). The rates for this plan are as follows: Single is \$35.36 monthly, two-Party is \$69.99, and family is \$128.10 monthly.

3. Vision Benefits

The District offers one (1) vision plan, Vision Services Plan (Attachment 3). The rate for this plan is \$23.26 monthly for a single individual, two-party, or a family.

4. Life Insurance Benefits

The District offers one (1) life insurance plan, Standard Insurance Company. The Board of Directors may be provided insurance coverage for \$10,000. The cost will be determined based on coverage amount (\$10,000) and the age of the director.

5. Employee Assistance Benefits

The District also provides the Employee Assistance Program (EAP). This program provides several services for individuals and their eligible dependents. The EAP rate for this plan is \$2.35 monthly for a single individual, two-party, or a family.

EAP Services include:

- Childcare and Eldercare Assistance
- Financial Services
- Legal Services
- Identify Theft Recovery Services
- Daily Living Services

ENVIRONMENTAL CONSIDERATIONS

There are no direct environmental considerations associated with this report.

STRATEGIC PLAN CONFORMITY

This item is not reflected in the 2012-2017 Strategic Plan.

December 20, 2017

BOARD OF DIRECTOR BENEFITS

Page 4

FINANCIAL SUMMARY

Staff is unable to access these costs, as direction is needed from the Board. If benefits are afforded, assess, all costs will be split 90/10 between the EGWD and the FRCD.

Respectfully Submitted,



STEFANI PHILLIPS,
HUMAN RESOURCE ADMINISTRATOR

Attachments

2018 Medical Plans with Incentive Rates (Jan. - Jun.)

ACWA JPIA 2018 Medical Plans								
Anthem Blue Cross	Deductible (Indiv./Family)	Dr.	ER	Hospital	X-ray, lab	Prescription	Medical Max Out of Pocket	RX Max Out of Pocket
Classic PPO	\$200/600	\$15	\$50	Ded/10%/20% ¹	20%	\$5/20/50	\$2,000/4,000	\$5,600/10,200
Advantage PPO	\$500/1,000	\$20	\$50	Ded/20%	20%	\$5/20/50	\$3,000/6,000	\$3,600/7,200
CalCare HMO	None	\$10	\$50	\$0	N/A	\$5/20/50	\$500/1,500	\$6,100/11,700
Value HMO	None	\$30	\$150	\$250	N/A	\$10/20/50 ²	\$2,500/5,000	\$4,100/8,200
Consumer Driven Health Plan ³	\$1,500/3,000	Deductible, then 20% coinsurance				Ded/\$10/20/40	\$2,500/4,000	
Kaiser								Combined Max OOP
HMO with Chiro	None	\$10	\$50	\$0	N/A	\$5/15	\$1,500/3,000	
HMO with Chiro & Optical	None	\$10	\$50	\$0	N/A	\$5/15	\$1,500/3,000	
Senior Advantage with Chiro	None	\$20	\$50	\$0	N/A	\$10/25	\$1,500/3,000	
Value HMO with Chiro	None	\$30	\$150	\$250	N/A	\$10/20	\$2,500/5,000	
Consumer Driven Health Plan ³	\$1,500/3,000 ⁴	\$20	\$100	\$250	copays	\$10/30	\$2,700/5,400 ⁴	
Important Notes								
¹ Facility charge is covered at 90%. Physician charge covered at 80%. Both are subject to deductible.								
² An annual \$100 drug deductible applies to medications on this plan.								
³ Member is responsible for 100% of medical & prescription costs (excluding Preventive Care) until deductible is met. After deductible is met, copays and/or coinsurance apply.								
⁴ An <i>individual</i> enrolled in <i>family</i> coverage will have a maximum liability of \$2,700 toward the family deductible and family maximum out of pocket.								
This is a very brief plan comparison of IN-NETWORK benefits. Plan summaries are available at www.acwajpia.com .								
The Evidence of Coverage prevails in the event of a discrepancy.								
ACWA JPIA, CA License #0172324								Revised 7/31/2017

Medical Plan Rates - Monthly

Medical Plan Options	Single Premium	Over Cap Monthly	Two -Party Premium	Over Cap Monthly	Family Premium	Over Cap Monthly
Anthem Blue Cross Classic PPO	\$907.61	\$84.47	\$1,850.24	\$217.22	\$2,487.63	\$223.23
Anthem Blue Cross HMO	\$951.20	\$128.06	\$1,892.52	\$259.50	\$2,617.34	\$352.94
Anthem Advantage PPO	\$763.98	\$0.00	\$1,555.78	\$0.00	\$2,091.19	\$0.00
Anthem Value HMO	\$875.90	\$52.76	\$1,741.91	\$108.89	\$2,408.75	\$144.35
Consumer Driven Health Plan Blue Cross PPO	\$728.07	\$0.00	\$1,482.16	\$0.00	\$1,992.08	\$0.00
Consumer Driven Health Plan Kaiser	\$547.38	\$0.00	\$1,084.87	\$0.00	\$1,531.00	\$0.00
Kaiser HMO	\$723.86	\$0.00	\$1,437.82	\$0.00	\$2,030.41	\$0.00

Note: Kaiser is not covered under Incentive Rates.

Fiscal Year 2017-18 Monthly Medical Premium Caps

Categories	Medical
Single	\$823.14
Two-Party	\$1,633.02
Family	\$2,264.40

Attachment 2

Plan Benefit Highlights for: ACWA Joint Powers Insurance Authority

Group No: 00399 - 03002, 05002, 03302 & 09302

Effective Date: 1/1/2017

Eligibility	Primary enrollee, spouse (includes domestic partner) and eligible dependent children to the end of the month dependent turns age 26			
Deductibles Deductibles waived for Diagnostic & Preventive (D & P) and Orthodontics?	\$25 per person / \$50 per family each calendar year			
	Yes			
Maximums	\$1,500 per person each calendar year			
Waiting Period(s)	Basic Benefits None	Major Benefits None	Prosthodontics 12 Months	Orthodontics 12 Months

Benefits and Covered Services*	Delta Dental PPO dentists**	Non-Delta Dental PPO dentists**
Diagnostic & Preventive Services (D & P) Exams, cleanings and x-rays	85 %	80 %
Basic Services Fillings, simple tooth extractions, posterior composite restorations and sealants	80 %	80 %
Endodontics (root canals) Covered Under Basic Services	80 %	80 %
Periodontics (gum treatment) Covered Under Basic Services	80 %	80 %
Oral Surgery Covered Under Basic Services	80 %	80 %
Major Services Crowns, inlays, onlays and cast restorations	50 %	50 %
Prosthodontics Bridges, dentures and implants	50 %	50 %
Orthodontic Benefits Adults and dependent children	50 %	50 %
Orthodontic Maximums	\$2,000 Lifetime	\$2,000 Lifetime

* Limitations or waiting periods may apply for some benefits; some services may be excluded from your plan. Reimbursement is based on Delta Dental maximum contract allowances and not necessarily each dentist's submitted fees.

** Reimbursement is based on PPO contracted fees for PPO dentists, Premier contracted fees for Premier dentists and program allowance for non-Delta Dental dentists.

Delta Dental of California 100 First St. San Francisco, CA 94105	Customer Service 800-765-6003	Claims Address P.O. Box 997330 Sacramento, CA 95899-7330
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deltadentalins.com

This benefit information is not intended or designed to replace or serve as the plan's Evidence of Coverage or Summary Plan Description. If you have specific questions regarding the benefits, limitations or exclusions for your plan, please consult your company's benefits representative.

DELTA DENTAL PPOSM
BENEFIT HIGHLIGHTS

Your VSP Vision Benefits Summary

ACWA JPIA and VSP provide you with an affordable eye care plan.



VSP Coverage Effective Date: 01/01/2018

VSP Provider Network: VSP Signature

Benefit	Description	Copay	Frequency
Your Coverage with a VSP Provider			
WellVision Exam	<ul style="list-style-type: none"> Focuses on your eyes and overall wellness 	\$10 for exam and glasses	Every 12 months
Prescription Glasses			
Frame	<ul style="list-style-type: none"> \$150 allowance for a wide selection of frames \$170 allowance for featured frame brands 20% savings on the amount over your allowance \$80 Costco® frame allowance 	Combined with exam	Every 12 months
Lenses	<ul style="list-style-type: none"> Single vision, lined bifocal, and lined trifocal lenses Polycarbonate lenses for dependent children 	Combined with exam	Every 12 months
Lens Enhancements	<ul style="list-style-type: none"> Tints/Photochromic adaptive lenses Standard progressive lenses Premium progressive lenses Custom progressive lenses Average savings of 35-40% on other lens enhancements 	\$0 \$50 \$80 - \$90 \$120 - \$160	Every 12 months
Contacts (instead of glasses)	<ul style="list-style-type: none"> \$120 allowance for contacts and contact lens exam (fitting and evaluation) 15% savings on a contact lens exam (fitting and evaluation) 	\$0	Every 12 months
Diabetic Eyecare Plus Program	<ul style="list-style-type: none"> Services related to diabetic eye disease, glaucoma and age-related macular degeneration (AMD). Retinal screening for eligible members with diabetes. Limitations and coordination with medical coverage may apply. Ask your VSP doctor for details. 	\$20	As needed
Extra Savings	<p>Glasses and Sunglasses</p> <ul style="list-style-type: none"> Extra \$20 to spend on featured frame brands. Go to vsp.com/specialoffers for details. 30% savings on additional glasses and sunglasses, including lens enhancements, from the same VSP provider on the same day as your WellVision Exam. Or get 20% from any VSP provider within 12 months of your last WellVision Exam. <p>Retinal Screening</p> <ul style="list-style-type: none"> No more than a \$39 copay on routine retinal screening as an enhancement to a WellVision Exam <p>Laser Vision Correction</p> <ul style="list-style-type: none"> Average 15% off the regular price or 5% off the promotional price; discounts only available from contracted facilities After surgery, use your frame allowance (if eligible) for sunglasses from any VSP doctor 		

Your Coverage with Out-of-Network Providers

Get the most out of your benefits and greater savings with a VSP network doctor. Your coverage with out-of-network providers will be less or you'll receive a lower level of benefits. Visit vsp.com for plan details.

Exam	up to \$50	Lined Bifocal Lenses	up to \$75	Contacts	up to \$120
Frame	up to \$70	Lined Trifocal Lenses	up to \$100	Tints	up to \$5
Single Vision Lenses	up to \$50	Progressive Lenses	up to \$75		

Coverage with a participating retail chain may be different. Once your benefit is effective, visit vsp.com for details. Coverage information is subject to change. In the event of a conflict between this information and your organization's contract with VSP, the terms of the contract will prevail. Based on applicable laws, benefits may vary by location. In the state of Washington, VSP Vision Care, Inc., is the legal name of the corporation through which VSP does business.

Contact us. [800.877.7195](tel:800.877.7195) | vsp.com

1. Brands/Promotion subject to change.

2. Savings based on network doctor's retail price and vary by plan and purchase selection; average savings determined after benefits are applied. Available only through VSP network doctors to VSP members with applicable plan benefits. Ask your VSP network doctor for details.

3. Blueocean Market Intelligence National Vision Plan Member Research, 2014

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