

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

Wednesday, September 28, 2016

6:30 PM

**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. Report on Closed Session

- a. CONFERENCE WITH LABOR NEGOTIATORS (Gov't. Code Section 54957.6)
Agency designated representatives: Mark J. Madison, General Manager
Unrepresented employee: GIS Technician I

Associate Director Comment

Public Comment

2. Proclamations and Announcements

Associate Director Comment

Public Comment

3. Consent Calendar (Stefani Phillips, Board Secretary and Jim Malberg, Treasurer)

- a. Minutes of Regular Board Meeting of July 27, 2016
- b. FRCD Cash Flow Worksheet – July, 2016
- c. FRCD Cash Flow Worksheet – August, 2016
- d. Warrants Paid – July, 2016
- e. Warrants Paid – August, 2016
- f. Active Accounts – July, 2016

- g. Active Accounts – August, 2016
- h. Bond Covenant Status for FY 2016-17 – July, 2016
- i. Bond Covenant Status for FY 2016-17 – August, 2016
- j. Revenues and Expenses – Actual vs Budget FY 2016-17 – July, 2016
- k. Revenues and Expenses – Actual vs Budget FY 2016-17 – August, 2016
- l. Cash Accounts – July, 2016
- m. Cash Accounts – August, 2016
- n. Consultants Expenses – July, 2016
- o. Consultants Expenses – August, 2016
- p. Major Capital Improvement Projects – July, 2016
- q. Major Capital Improvement Projects – August, 2016
- r. Authorizing Deposit and Withdrawal of Monies from Farmers and Merchants Bank

Associate Director Comment

Public Comment

Recommended Action: Approve Florin Resource Conservation District Consent Calendar items a – q; and r, adopt Resolution No. 09.28.16.01 of the Board of Directors of the Florin Resource Conservation District authorizing the deposit and withdrawal of monies from Farmers and Merchants Bank.

4. Natural Resources Conservation Service Report
(Dwane Coffey, District Conservationist)

Associate Director Comment

Public Comment

5. Committee Meetings (Stefani Phillips, Board Secretary)
a. Conservation Committee Meeting – August 31, 2016

Associate Director Comment

Public Comment

Recommended Action: Accept the minutes of the Conservation Committee meeting held on August 31, 2016

6. Florin Resource Conservation District Conservation Activities Report
(Mark J. Madison, General Manager)

Associate Director Comment

Public Comment

7. Water Usage Report and Continuation with the Normal Water Stage of the Elk Grove Water District Water Shortage Contingency Plan
(Mark J. Madison, General Manager)

Associate Director Comment

Public Comment

Recommended Action: Continue the Elk Grove Water District at the Normal Water Stage of the Elk Grove Water District's Water Shortage Contingency Plan

8. Elk Grove Water District Operations Report – July and August 2016

(Mark J. Madison, General Manager)

Associate Director Comment

Public Comment

9. Truck Purchase for Replacement of Truck #301

(Bruce Kamilos, Assistant General Manager)

Associate Director Comment

Public Comment

Recommended Action: Authorize the General Manager to execute a purchase order, in the amount \$51,067.98 (including tax and license), with Downtown Ford to purchase a 1-ton truck to replace Truck #301.

10. Renew Small Utility Enterprise License Agreement for Esri ArcGIS Software

(Bruce Kamilos, Assistant General Manager)

Associate Director Comment

Public Comment

Recommended Action: Authorize the General Manager to execute an agreement in the amount of \$81,000 to renew the Small Utility Enterprise License Agreement with Esri for another three-year term.

11. Florin Resource Conservation District/Elk Grove Water District Fiscal Year 2018 - 2022 Strategic Plan (Mark J. Madison, General Manager)

Associate Director Comment

Public Comment

Recommended Action: Discuss and provide direction to the General Manager on when to begin the efforts to prepare the Florin Resource Conservation District/Elk Grove Water District 2018-2022 Strategic Plan

12. Voluntary Donations by Elk Grove Water District Customers to Non-Profit Organizations (Jim Malberg, Finance Manager)

Associate Director Comment

Public Comment

Recommended Action: Discuss this proposed action and provide direction to staff.

13. Candidate Statement Payment Source Discussion

(Stefani Phillips, Board Secretary)

Associate Director Comment

Public Comment

Recommended Action: Discuss and provide staff direction regarding the source of payment for voluntary candidate statements, in future election years, for individuals who file candidate documents to become a Florin Resource Conservation District Board of Director.

14. Conflict of Interest Code (Stefani Phillips, Human Resources Administrator)

Associate Director Comment

Public Comment

Recommended Action: Adopt Resolution 09.28.16.02 of the Board of Directors of the Florin Resource Conservation District Amending the Conflict of Interest Code Pursuant to the Political Reform Act of 1974.

15. General Manager's Report (Mark J. Madison, General Manager)

Associate Director Comment

Public Comment

16. Directors Comments and Information

Adjourn to Regular Meeting – October 26, 2016.

September 28, 2016

TO: Chairman and Directors of the Florin Resource Conservation District
FROM: Stefani Phillips, Board Secretary and Jim Malberg, Treasurer
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 – q; and item r, adopt Resolution No. 09.28.16.01 of the Board of Directors of the Florin Resource Conservation District authorizing the deposit and withdrawal of monies from Farmers and Merchants Bank.

Summary

Consent Calendar items a – q are standing items on the Regular Board Meeting agenda; and item r, the resolution, is a required document by Farmers and Merchants Bank.

By this action, the Board will approve Florin Resource Conservation District Consent Calendar items a – q; and item r, adopt Resolution No. 09.28.16.01 of the Board of Directors of the Florin Resource Conservation District authorizing the deposit and withdrawal of monies from Farmers and Merchants Bank.

DISCUSSION

Background

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

Present Situation

Consent Calendar items a – q are standing items on the Regular Board Meeting agenda; and item r, the resolution, is a required document by Farmers and Merchants Bank.

FINANCIAL SUMMARY

N/A

September 28, 2016

CONSENT CALENDAR

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Respectfully Submitted,

Stefani Phillips and Jim Malberg

STEFANI PHILLIPS, BOARD SECRETARY AND
JIM MALBERG, TREASURER

SP

Attachments

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

Wednesday, July 27, 2016

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

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

Directors Present: Chuck Dawson, Bob Gray, Elliot Mulberg, Tom Nelson, Jeanne Sabin
Directors Absent: None
Staff Present: Mark J. Madison, General Manager; Stefani Phillips, Secretary; Bruce Kamilos, Assistant General Manager; Jim Malberg, Finance Manager; Donella Murrillo, Finance Supervisor
Associate Directors Present: Davies Ononiwu, Lisa Medina, Mike Schmitz
General Counsel Present: Ann Siprelle, Best Best & Krieger (BB&K)
Consultants Present: Greg Young, Tully & Young

Public Comment

Ed Owen, Landowner, stated that the District should notify domestic well owners any public meetings and be transparent to developers regarding water supply.

1. Closed Session

- a. Conference with Legal Counsel – Anticipated Litigation – Significant Exposure to Litigation – Gov't Code Section 54956.9(d)(2) (1 case)
- b. Conference with Legal Counsel – Anticipate Litigation – Initiation of Litigation – Gov't Code Section 54956.9(d)(4) (1 case)

No reportable action was taken.

2. Proclamations and Announcements

- a. Mark Madison, General Manager, presented to the Government Finance Officers Association Certificate of Achievement for Excellence in Financial Reporting and complemented Jim Malberg, Finance Manager, and Donella Murrillo, Finance Supervisor and other staff for a job well done.
- b. Recognition of Davies Ononiwu as Associate Board Director for his seven years of service (2009-2016), in light of his resignation.
- c. Stefani Phillips, Board Secretary, stated election information is available on the front page of the Elk Grove Water District website.

3. Consent Calendar

- d. Minutes of Regular Board Meeting – June 22, 2016
- e. FRCD Cash Flow Worksheet – June, 2016
- f. Warrants Paid – June, 2016
- g. Active Accounts – June, 2016
- h. Bond Covenant Status for FY 2015-16 – June, 2016
- i. Revenues and Expenses – Actual vs. Budget FY 2015-16 – June, 2016
- j. Cash Accounts – June, 2016
- k. Consultants Expenses – June, 2016
- l. Major Capital Improvement Projects – Budget vs. Actuals – June, 2016

Mr. Malberg updated item f to clarify the calculations and make it more transparent.

MSC (Mulberg/Sabin) to approve FRCD Consent Calendar items a.-i. 5/0: Ayes: Dawson, Gray, Mulberg, Nelson and Sabin.

4. **Committee Meetings**

No committee meeting held in the month of July.

Elliot Mulberg, Director, called for a Florin Resource Conservation District (FRCD) Conservation Committee meeting to discuss activities the FRCD cannot pursue. He then stated he would like to prioritize activities the FRCD Conservation Committee would like to pursue. The Board agreed to have staff schedule the meeting.

Tom Nelson, Vice-Chairman, stated he would like to have a Planning Committee Meeting regarding the strategic plan update and would like to invite the candidates running for the election to attend that committee meeting. Mr. Madison suggested to bring back the item at the August Board Meeting to discuss whether or not to start the strategic plan update now or after the new Board is seated. The Board was in agreement to bring this item to the Regular Board Meeting in August for discussion.

5. **Florin Resource Conservation District Groundwater Sustainability Agency Filing**

Mr. Madison introduced and provided background on the Florin Resource Conservation District Groundwater Sustainability Agency Filing to the Board. Mr. Madison recommendation is to take no action to file to become a Groundwater Sustainability Agency (GSA).

Bruce Kamilos, Assistant General Manager provided his comments to the Board.

Staff recommended to the Board against filing to become a GSA for the Florin Resource Conservation District (FRCD) service area based on the following reasons:

- The cost of becoming a GSA will be significant. Although SGMA provides for the assessment of taxes to support the functions of GSA's, FRCD would incur initial costs before assessments could be levied. Initial costs would be on the order of \$90,000 (\$50,000 for a protest vote, and \$40,000 for a rate study). It is the FRCD's best interest to share the financial burden and risks with the other fifteen agencies and stakeholder groups that make up the SCGA.
- FRCD would have to sever its ties with the Elk Grove Water District (EGWD) if the FRCD filed to become a GSA. In the same way that FRCD has pointed out that SCWA has a conflict of interest service as SCGA's administrator while being the largest pumper of groundwater in the basin, FRCD would have a conflict of interest as the parent organization of the EGWD, a pumper of groundwater in the basin.
- FRCD prefers to work collaboratively and productively with the other water agencies and stakeholder group. Staff believes that the best decision and solutions will ultimately come from consensus building among the sixteen board members of SCGA. Those representing FRCD at SCGA will continue to press for the changes in SCGA it believes are in the best interests of FRCD's constituents, and the public at large.
- At the SCGA board meeting on July 13, 2016, SCGA approved a motion committing to a timetable to open up discussions to modify the joint powers agreement, including how SCGA should be staffed and administrated. This is an encouraging sign that the SCGA board members are open to making changes to the SCGA governance structure that will best serve the organization as a GSA, and the interests of the public.

Vice-Chairman Nelson provided his comments. He stated he is concerned of funding and charging landowners another fee.

Director Mulberg stated that the District is misguided and stated that the District should think about what is in the best interest of the residences. He sees EGWD as part of the FRCD and doesn't see a conflict.

Chuck Dawson, Chairman, supported staffs and Vice-Chairman Nelson input and does not feel it's in the best interest of the rate payers.

Bob Gray, Director, stated he finds it hard to justify exhausting the FRCD funds when the SCGA has a plan in place.

Vice-Chairman Nelson stated he does not feel it is worth it just for power leverage.

Jeanne Sabin, Director, inquired how long the District has been going to GSA meetings. Mr. Madison responded stating the District has been attending SCGA meetings for many years but has been attending the GSA meetings for 1.5 years.

Director Sabin inquired if all of the changes the District has requested, have any been approved. Vice-Chairman Nelson responded some have.

Director Sabin shared her concerns regarding giving up influence and cannot approve the General Managers recommendation.

Director Mulberg inquired how many people agreed with our position concerning votes. Vice-Chairman Nelson responded stating we haven't received much support from other board members on some of our positions.

Much discussion followed regarding becoming a GSA.

MSC (Mulberg/Gray) to take no action to file to become a groundwater sustainability agency for the Florin Resource Conservation District service area. 4/1: Ayes: Dawson, Gray, Mulberg, Nelson and Noes: Sabin.

6. Florin Resource Conservation District Conservation Activities Report

Mr. Madison presented the Florin Resource Conservation District Conservation Activities Report to the Board. In summary, most of the work for the month, regarding the FRCD, involved the potential formation of a GSA within the FRCD jurisdictional area. Staff also expended efforts to engage in the development of a groundwater bank and to acquire Proposition 1 grant funding for dry wells.

Director Mulberg inquired if groundwater banking will bring money to the FRCD. Mr. Madison responded stating no. Vice-Chairman Nelson responded stating the initial one no, but thereafter is a possibility.

Director Sabin inquired if the FRCD would need to match funds for the grant for groundwater recharge. Mr. Madison responded no and explained that Vice-Chairman Nelson and Associate Board Member Lisa Medina will be volunteering their time.

7. Water Usage Report

Mr. Madison presented the Water Usage Report to the Board. In summary, service area 1 reduced its water consumption by 24.4% in June in comparison to June 2013 usage. Service area 2 reduced by 25.0% for the same period. The combined reduction for both service areas was 24.6%.

8. Elk Grove Water District Operations Report – June 2016

Mr. Madison presented the Elk Grove Water District Operations Report – June 2016 to the Board.

Comments and inquiries included:

- 341 Door Hangers
- 189 USA Locates
- Customer Complaints
 - 3 Pressure Complaints
 - 1 Water Quality Complaints
- 80 Hydrant Maintenance
- 144 Valve Exercising
- 0 Service line Replacements for the month – Crews working on the Railroad Avenue Corridor Pipeline project
- Monthly Production
 - Well 1D – no production for the month
 - Well 4D – big producer for the month
 - Well 11D – back online now
 - Well 14D – good producer for the month
 - Well 3 – didn't run much, producing milky water
 - Well 8 – good producer for the month
 - Well 9 – good producer for the month
 - Well 13 – offline, working on Arsenic level
- Combined Total Production – usage up from last year
- Total Demand/Production – usage up from last year
- Water samples came back normal
- Preventative Maintenance Program is on track
- 20 outstanding delinquents for the Backflow Prevention Program – kudos to Steve Shaw, Water Treatment Foreman and Aaron Hewitt, Water Treatment Operator III, for their tireless efforts in making the program effective
- 5 Safety Meetings for the month
- 3 Service line leaks for the month
- Pressure maps – Sample Station Area (SSA)1 and SSA2 are running within acceptable ranges

9. Banking and Payment Processing Services

Mr. Malberg presented the Banking and Payment Processing Services to the Board. In summary, staff issued a Request for Proposal (RFP) for banking services and/or payment processing services on May 17, 2016 with proposals due on June 16, 2016. Staff contacted sixteen different service providers and received six proposals. There were two rounds of proposal reviews. The purpose of the first review was to evaluate and score each proposal and verify that the firm understands the project, offers the desired services and has the required experience. The second review incorporated the cost which was also scored; lowest cost being the highest score and then added to arrive at the total score for each firm. After conducting the proposal reviews, Farmers & Merchants (F&M) Bank and Wells Fargo Bank were ranked as the top two and staff conducted interviews with both firms.

Mr. Malberg provided an example to the Board on how customers will benefit from online payments. He stated, currently, when a customer pays online through bill pay the bank mails a check and the District does not receive payment until 7-10 days after the request was submitted. By the District changing banks, this process will now go through Automated Clearing House (ACH), and will be electronically applied to the customer's account.

MSC (Mulberg/Sabin) to authorize the General Manager to execute a Professional Services Agreement with Farmers and Merchants Bank to provide banking and payment processing services for the District 5/0: Ayes: Dawson, Gray, Mulberg, Nelson and Sabin.

10. California Special Districts Association Board of Directors 2016 Election

Ms. Phillips presented the California Special Districts Association Board of Directors 2016 Election to the Board. In summary, the California Special Districts Association (CSDA) distributed ballots for the CSDA Board of Directions 2016 Election. The FRCD Board of Directors are allowed to nominate one of the three candidates for the Sierra Network, Seat B.

Director Mulberg nominated Gil Albiani from Cosumnes Community Services District.

Director Gray supported Director Mulberg's nomination.

Vice-Chairman Nelson also agreed with Director Mulberg's nomination but also nominated Paul Green Jr. from Rio Linda-Elverta Community Water District.

All three Associate Directors agreed with Directors Mulberg's nomination of Gil Albiani.

MSC (Sabin/Mulberg) to nominate Gil Albiani as a representative to the California Special Districts Association Board of Directors for the Sierra Network, Seat B 5/0: Ayes: Dawson, Gray, Mulberg, Nelson and Sabin.

11. Elk Grove Water District Fiscal Year 2015-16 Quarterly Operating Budget Status Report

Mr. Malberg presented the Elk Grove Water District Fiscal Year 2015-16 Quarterly Operating Budget Status Report to the Board. In summary, preliminary numbers show the District at a positive of \$5.8M.

Some highlights include:

- Revenues - 98.70%
- Total Operating Expenses – 89.20%
- Salaries & Benefits – 105.74% a little high based on board action taken in March

12. Elk Grove Water District Fiscal Year 2015-16 Quarterly Capital Reserve Status Report

Mr. Malberg presented the Elk Grove Water District Fiscal Year 2015-16 Quarterly Capital Reserve Status Report to the Board. In summary, through June 30, 2016, the District spent \$1,171,996 on capital projects leaving a remaining total reserve balance at June 30, 2016 of \$10,328,004.

13. General Manager's Report

Mr. Madison presented the General Manager's Report to the Board. He went through the lists of FRCD activities and EGWD activities.

14. Consideration of Board Member Sabin's Request for a Five-Month Leave of Absence

Ann Siprelle, BBK Legal Counsel, presented the Consideration of Board Member Sabin's Request for a Five-Month Leave of Absence to the Board. In summary, Director Sabin will be absent from the FRCD Board of Directors between October 2016 and February 2017. Both state law and the FRCD Board By-laws provide that a vacancy occurs when a board member fails to attend board meetings for three consecutive calendar months, unless excused. Director Sabin wished to retain her position on the Board and is requesting the Board to consider approving an excused leave of absence.

Director Mulberg inquired what would happen at six months if Director Sabin does not return.

Chairman Dawson stated he supports Director Sabin's leave of absence.

Director Gray disagreed with the request for leave of absence.

MSC (Dawson/Nelson) to accept Director Jeanne Sabin's request for approval of a five-month leave of absence from the Florin Resource Conservation District Board of Directors, from October 2016 through February 2017 3/1: Ayes: Dawson, Mulberg, Nelson and Noes: Gray

15. Directors Comments and Information

Chairman Dawson stated he was pleased with the input and how the District handled themselves with the idea of becoming a GSA. He then thanked staff, associates, and all for their efforts, and input.

Mr. Madison thanked Vice-Chairman Nelson for all of his time spent working on the GSA.

Adjourn to Regular Meeting on Wednesday, August 24, 2016 at 6:30 p.m.

Respectfully submitted,

Stefani Phillips

Stefani Phillips, Board Secretary

SP/CR



FRCD Cash Flow For the Month Ended July 31, 2016

Cash in Bank – Beginning	\$ 95,343.59
Receipts:	
Interest Earned	\$ 1.62
Disbursements:	
Check # 1030-ACWA/JPIA Auto/Property Insurance	-\$ 713.00
Check # 1031-Reimbursement to EGWD GM Salary and Benefits	-\$ 2,217.76
Cash in Bank – Ending	\$ 92,414.45



Consent
Calendar Item# C

FRCD Cash Flow For the Month Ended August 31, 2016

Cash in Bank – Beginning	\$ 92,414.45
Receipts:	
Interest Earned	\$ 1.56
Disbursements:	
Check # 1032-Best Best & Krieger	-\$ 330.00
Check # 1033-Reimbursement to EGWD GM Salary and Benefits	-\$ 2,217.76
Cash in Bank – Ending	\$ 89,868.25

Check History Report

7/1/2016 to 7/31/2016
Elk Grove Water District

Check Number	Check Date	Vendor Number	Name	Check	Explanation	Consent Calendar Item#
040954	7/21/2016	AIRGAS	AIRGAS USA, LLC	423.51		
040955	7/21/2016	ARBOR	ARBOR TECH SERVICES	300.00	Clothing Reimbursement	
040956	7/21/2016	B WAGNE	BRANDON WAGNER	43.17		
040957	7/21/2016	BATTER	BATTERIES PLUS	121.17		
040958	7/21/2016	BAY ALA	BAY ALARM COMPANY	36.75	Daily Tasks/Help Tickets	
040959	7/21/2016	BG SOLU	SOLUTIONS BY BG INC.	5,073.60	Sampling-Treatment	
040960	7/21/2016	BSK4	BSK ASSOCIATES	257.00		
040961	7/21/2016	CAL STE	CALIFORNIA STEAM	6.79		
040962	7/21/2016	CITY EG	CITY OF ELK GROVE	77.85		
040963	7/21/2016	CONSOLI	CONSOLIDATED COMMUNICATIONS	241.11	Ethernet Service	
040964	7/21/2016	CONSOLI	CONSOLIDATED COMMUNICATIONS	1,255.76	Phones-MOC/ADMIN	
040965	7/21/2016	COUNTY4	SACRAMENTO COUNTY UTILITIES	105.94		
040966	7/21/2016	CSD5	CONSUMNES COMMUNITY	190.00		
040967	7/21/2016	EFFECT	EFFECTIVE PHONE SOLUTIONS INC.	1,303.83	Disaster Recovery	
040968	7/21/2016	EG FORD	ELK GROVE FORD	262.95		
040969	7/21/2016	EG FORD	ELK GROVE FORD	104.10		
040970	7/21/2016	ELK LOC	ELK GROVE LOCK AND SAFE CO	207.36		
040971	7/21/2016	FASTENA	FASTENAL COMPANY	39.29		
040972	7/21/2016	FERGUS	FERGUSON ENTERPRISES, INC	4,196.74	(3) Invoices-Materials-RR Corridor	
040973	7/21/2016	GFOA	GFOA	160.00		
040974	7/21/2016	GOLDEN	GOLDEN STATE FLOW	162.64		
040975	7/21/2016	GRAINGE	GRAINGER	456.41		
040976	7/21/2016	HANFORD	HANFORD SAND & GRAVEL, INC	2,252.16		
040977	7/21/2016	HINTON	SEAN HINTON	226.61	Materials-RR Corridor	
040978	7/21/2016	JAN PRO	JAN-PRO CLEANING SYSTEMS OF	515.00	Clothing Reimbursement	
040979	7/21/2016	JAYS	JAY'S TRUCKING SERVICE	803.24	Janitorial-MOC/ADMIN	
040980	7/21/2016	JPIA	ACWAJOINT POWERS INSURANCE	13,547.00	Materials-RR Corridor	
040981	7/21/2016	JPIA	ACWAJOINT POWERS INSURANCE	16,136.00	Auto & General Liability 10-01-2015-10-01-2016	
040982	7/21/2016	MUNIQUI	MUNIQUIP, INC	1,948.80	Property Program-04-01-2016-04-01-2017	
040983	7/21/2016	NTS	NTS MIKEDON, LLC	277.20	Repair of Grunfos Dosing Pump	
040984	7/21/2016	PACE	PACE SUPPLY CORP	8,646.02	(7) Invoices-Materials- Distribution & Treatment	
040985	7/21/2016	PEST	PEST CONTROL CENTER INC	80.00		
040986	7/21/2016	PIT 2	PITNEY BOWES GLOBAL FINANCIAL	197.66		
040987	7/21/2016	RADIAL	RADIAL TIRE OF ELK GROVE	2,770.48	(6) Invoices-Repairs and Maintenance Vehicles	
040988	7/21/2016	REPUBLI	REPUBLIC SERVICES #922	790.25		
040989	7/21/2016	ROTH	ROTH STAFFING COMPANIES, L.P.	882.93		
040990	7/21/2016	SAC 5	SACRAMENTO COUNTY	19.00		

040991	7/21/2016	SAC 5	SACRAMENTO COUNTY	19.00	
040992	7/21/2016	SAC 5	SACRAMENTO COUNTY	19.00	
040993	7/21/2016	SAC 5	SACRAMENTO COUNTY	19.00	
040994	7/21/2016	SAC ICE	SAC ICE	155.00	
040995	7/21/2016	SIERRA	SIERRA OFFICE SUPPLIES	391.94	
040996	7/21/2016	TOSHIBA	TOSHIBA FINANCIAL SERVICES	528.93	
040997	7/21/2016	ULTRA	ULTRA TRUCK WORKS, INC	19.33	
040998	7/21/2016	VALL MO	VALLEY MOTOR PARTS	6.47	
040999	7/21/2016	W SADLE	WILLIAM SADLER	220.36	
041000	7/21/2016	WEBCO	WEBCO COMMUNICATION, INC	1,736.64	
041001	7/21/2016	XC2	XC2 SOFTWARE, LLC	2,770.00	
041002	7/21/2016	ZOOM	ZOOM IMAGING SOLUTIONS, INC	8.09	
041003	7/21/2016	C&T	C & T SPECIALTIES	42.12	
041004	7/21/2016	ACWAJPI	CB&T/ACWA-JPIA	54,036.87	
041005	7/21/2016	GOLDEN	GOLDEN STATE FLOW	1,160.89	
041006	7/21/2016	ULTRA	ULTRA TRUCK WORKS, INC	10.35	
041007	7/21/2016	ZOOM	ZOOM IMAGING SOLUTIONS, INC	156.33	
041008	7/31/2016	ACWAJPI	CB&T/ACWA-JPIA	54,043.87	
041009	7/31/2016	BAY ALA	BAY ALARM COMPANY	324.45	
041010	7/31/2016	BG SOLU	SOLUTIONS BY BG INC.	5,044.53	
041011	7/31/2016	BSK4	BSK ASSOCIATES	1,250.00	
041012	7/31/2016	C&T	C & T SPECIALTIES	44.93	
041013	7/31/2016	CAP RUB	CAPITAL RUBBER	86.01	
041014	7/31/2016	COUNTY4	SACRAMENTO COUNTY UTILITIES	28.94	
041015	7/31/2016	CR TC	FIDELITY NATIONAL TITLE COMP	26.79	
041016	7/31/2016	CR TC	FIDELITY NATIONAL TITLE COMP	85.63	
041017	7/31/2016	CRF FT	FIRST AMERICAN TITLE	80.89	
041018	7/31/2016	CRF NT	NORTH AMERICAN TITLE COMPANY	89.68	
041019	7/31/2016	CRFDAP	DARRELL PROBST	72.67	
041020	7/31/2016	CRFFIDT	FIDELITY NATIONAL TITLE COMP	17.86	
041021	7/31/2016	CRFID	FIDELITY NATIONAL TITLE CO	10.00	
041022	7/31/2016	CRFNA	NORTH AMERICAN TITLE COMPANY	43.59	
041023	7/31/2016	CRFPLA7	PLACER TITLE COMPANY	22.89	
041023	7/31/2016	CRFPLA7	PLACER TITLE COMPANY	22.89-	
041024	7/31/2016	CSDS	CSDS SACRAMENTO	239.72	
041025	7/31/2016	EG FORD	ELK GROVE FORD	94.00	
041026	7/31/2016	ELK LOC	ELK GROVE LOCK AND SAFE CO	75.15	
041027	7/31/2016	ENGINER	ENGINEERING SUPPLY COMPANY	1,200.00	
041028	7/31/2016	FASTENA	FASTENAL COMPANY	72.25	
041029	7/31/2016	FERGUS	FERGUSON ENTERPRISES, INC	2,290.25	
041030	7/31/2016	HALING	CINDY HALING	210.00	
041031	7/31/2016	HANFORD	HANFORD SAND & GRAVEL, INC	2,476.56	
041032	7/31/2016	INT STA	INTERSTATE OIL COMPANY	1,457.37	
041033	7/31/2016	JAN PRO	JAN-PRO CLEANING SYSTEMS OF	490.00	
041034	7/31/2016	JAYS	JAY'S TRUCKING SERVICE	785.98	
041035	7/31/2016	MALBERG	JIM MALBERG	78.95	
041036	7/31/2016	MONTIEL	MICHAEL MONTIEL	70.35	
041037	7/31/2016	NTS	NTS MIKEDON. LLC	470.40	

Copier-ADMIN

Clothing Reimbursement
Uptime Guaranteed Gold Maintenance
Software update & Maintenance Renewal

Materials-Distribution

Daily Tasks/Help Tickets
Sampling- Treatment

Account Closed-Credit Refund
Account Closed-Credit Refund
Account Closed-Credit Refund
Account Closed-Credit Refund
Account Closed-Credit Refund
Account Closed-Credit Refund
Account Closed-Credit Refund
Account Closed-Credit Refund
Account Closed-Credit Refund
Account Closed-Credit Refund

Annual sub TOP-Net RTK Network for topcon GRS-1

(2) Invoices-Materials-RR Corridor

(4) Invoices-Materials-RR Corridor
Fuel

Materials-RR Corridor
Mileage Reimbursement-Conference
Clothing Reimbursement
Materials-RR Corridor

041038	7/31/2016	OUELLET	DONELLA MURILLO	116.64	Mileage Reimbursement-Conference
041039	7/31/2016	PACE	PACE SUPPLY CORP	5,053.09	(7) Invoices-Materials-Distribution
041040	7/31/2016	PAPE'	PAPE'S MATERIAL HANDLING	156.46	
041041	7/31/2016	PEST	PEST CONTROL CENTER INC	80.00	
041042	7/31/2016	RADIAL	RADIAL TIRE OF ELK GROVE	410.19	Vehicle Repairs
041043	7/31/2016	ROTH	ROTH STAFFING COMPANIES, L.P.	1,996.54	(2) Invoices-Temporary Customer Service Help
041044	7/31/2016	RWA	REGIONAL WATER AUTHORITY	23,773.00	2016-2017 Annual Dues-Power House Science Center
041045	7/31/2016	RWA	REGIONAL WATER AUTHORITY	13,469.00	Water efficiency Category 1 Program-2016-2017 Annual dues
041046	7/31/2016	SAC TAX	SACRAMENTO COUNTY	63.03	
041047	7/31/2016	SIERRA	SIERRA OFFICE SUPPLIES	266.29	
041048	7/31/2016	SMUD	SMUD	924.37	
041049	7/31/2016	SMUD	SMUD	7,452.70	
041050	7/31/2016	SMUD	SMUD	1,951.28	
041051	7/31/2016	SMUD	SMUD	1,044.70	
041052	7/31/2016	SMUD	SMUD	17,483.53	
041053	7/31/2016	SMUD	SMUD	825.82	
041054	7/31/2016	SMUD	SMUD	780.97	
041055	7/31/2016	SMUD	SMUD	5,016.85	
041056	7/31/2016	SMUD	SMUD	3,236.83	
041057	7/31/2016	ULTRA	ULTRA TRUCK WORKS, INC	1,414.05	(2) Invoices-Safety equipment for new truck
041058	7/31/2016	UNDER	UNDERGROUND SERVICE ALERT	1,150.85	CA Annual % of tickets Fee
041059	7/31/2016	USABLU	USABluBook	139.73	
041060	7/31/2016	VALL MO	VALLEY MOTOR PARTS	30.22	
041061	7/31/2016	WATKINS	ERICK WATKINS	3,875.00	Safety
041062	7/31/2016	WILL SC	WILLIAM SCOTSMAN, INC.	174.07	
041063	7/31/2016	ZOOM	ZOOM IMAGING SOLUTIONS, INC	106.06	
				Total:	
				<u>287,670.73</u>	

Check History Report

8/1/2016 to 8/31/2016
Elk Grove Water District

Check Number	Check Date	Vendor Number	Name	Check	Explanation	Consent Calendar Item#
041064	8/8/2016	NORTH	NORTH AMERICAN TITLE	5,000.00	Purchase & Access Agreements/Wilton Rancheria	
041065	8/9/2016	A. TEIC	A. TEICHERT & SON, INC	317.74		
041066	8/9/2016	ACWAJPI	CB&T/ACWA-JPIA	54,018.51		
041067	8/9/2016	ATT&T	AT&T MOBILITY	309.44		
041068	8/9/2016	CONSOLI	CONSOLIDATED	241.11	Ethernet Service	
041069	8/9/2016	CONSOLI	CONSOLIDATED	1,251.81	Phones-MOC/ADMIN	
041070	8/9/2016	CRF ARR	ARROW CONSTRUCTION	2,000.00	Water Permit Closed-Refund Issued	
041071	8/9/2016	EG FORD	ELK GROVE FORD	8.36		
041072	8/9/2016	FASTENA	FASTENAL COMPANY	260.17		
041073	8/9/2016	FERGUS	FERGUSON ENTERPRISES, INC	309.52		
041074	8/9/2016	FRONT C	FRONTIER COMMUNICATIONS	221.58	Well site communications-Alarm and Security	
041075	8/9/2016	FRONT C	FRONTIER COMMUNICATIONS	169.47	Well site communications-Alarm and Security	
041076	8/9/2016	FRONT C	FRONTIER COMMUNICATIONS	173.85	Well site communications-Alarm and Security	
041077	8/9/2016	GTRI	GTRI	1,722.60	Annual Maintenance Renewal-Veeam	
041078	8/9/2016	HOLT	HOLT OF CALIFORNIA	274.35		
041079	8/9/2016	JAN PRO	JAN-PRO CLEANING SYSTEMS	1,095.00	Carpet Cleaning and Janitorial/MOC & ADMIN	
041080	8/9/2016	JAYS	JAY'S TRUCKING SERVICE	190.00		
041081	8/9/2016	NTS	NTS MIKEDON. LLC	739.40	(5) Invoices-Materials/Supplies-RR Corridor	
041082	8/9/2016	PACE	PACE SUPPLY CORP	3,898.39	(9) Invoices-Materials/Supplies-Treatment, Bullheads, Distribution	
041083	8/9/2016	RCB DO	CARD SERVICE CENTER	123.69	Materials/Supplies-Admin	
041084	8/9/2016	RCB MM	CARD SERVICE CENTER	186.95	Contracted Services, Meals	
041085	8/9/2016	RDO 1	RDO TRUST # 80-5800	67.03		
041086	8/9/2016	REPUBLI	REPUBLIC SERVICES #922	900.89		
041087	8/9/2016	ROTH	ROTH STAFFING COMPANIES,	920.32	Temporary Customer Service Help	
041088	8/9/2016	SIERRA	SIERRA OFFICE SUPPLIES	253.52		
041089	8/9/2016	SIGN CE	THE SIGN CENTER	134.65		

041090	8/9/2016	TOSHIBA	TOSHIBA FINANCIAL SERVICES	528.93	Copier-ADMIN
041091	8/9/2016	ULTRA	ULTRA TRUCK WORKS, INC	724.04	
041092	8/9/2016	UNITED	UNITED SITE SERVICES	250.15	
041093	8/10/2016	BSK4	BSK ASSOCIATES	637.00	Sampling-Treatment
041094	8/10/2016	INT STA	INTERSTATE OIL COMPANY	1,131.37	Fuel
041095	8/10/2016	MAITA	MAITA CHEVROLET	949.51	Repairs & Maintenance-Vehicles
041096	8/10/2016	OREILLY	O'REILLY AUTO PARTS	36.88	
041097	8/10/2016	PACE	PACE SUPPLY CORP	1,730.08	Materials/Supplies-Treatment
041098	8/10/2016	RCB SH	CARD SERVICE CENTER	185.20	
041099	8/10/2016	RCBJC	CARD SERVICE CENTER	162.78	
041100	8/10/2016	SIERR C	SIERRA CHEMICAL COMPANY	2,459.80	Materials-Treatment
041101	8/10/2016	ULTRA	ULTRA TRUCK WORKS, INC	57.39	
041102	8/10/2016	VERIZON	VERIZON WIRELESS	416.92	
041103	8/10/2016	DOWNEY	DOWNEY BRAND, LLP	2,242.00	Legal
041104	8/10/2016	EG FORD	ELK GROVE FORD	94.00	Repairs & Maintenance-Vehicles
041105	8/10/2016	EG FORD	ELK GROVE FORD	94.00	Repairs & Maintenance-Vehicles
041106	8/10/2016	EG FORD	ELK GROVE FORD	41,062.63	2016 Ford F350
041107	8/10/2016	EMERALD	EMERALD PARK ESTATES LLC	4,480.00	Refund of Development fees
041108	8/10/2016	PAC BEN	PACIFIC BENEFIT	300.00	
041109	8/10/2016	QUALYS	QUALYS, INC	2,450.00	Provides internal and external PCI Compliance software
041110	8/10/2016	TULLY	TULLY & YOUNG, INC.	29,520.00	Urban Water Management Plan
041111	8/10/2016	DAC	DAC	1,500.00	Dissemination Service and Storage Fee for outstanding Issues
041112	8/17/2016	AFLAC	AFLAC	1,511.99	
041113	8/17/2016	BEN RES	BENEFIT RESOURCE, INC	100.00	Legal
041114	8/17/2016	BEST	BEST, BEST & KRIEGER	8,316.09	Daily Tasks/Help Tickets
041115	8/17/2016	BG SOLU	SOLUTIONS BY BG INC.	5,000.92	Administrative Services-2002A
041116	8/17/2016	BONY2	THE BANK OF NEW YORK	2,200.00	
041117	8/17/2016	BRINKS	BRINK'S INCORPORATED	274.99	
041118	8/17/2016	BSK4	BSK ASSOCIATES	24.00	Permits
041119	8/17/2016	COEG	CITY OF ELK GROVE	927.53	
041120	8/17/2016	COUNTY3	COUNTY OF SACRAMENTO	8.60	
041121	8/17/2016	CPS	COOPERATIVE PERSONNAL	8,252.48	Program Manager-Recruitment
041122	8/17/2016	CRF FN	FIDELITY NATIONAL TITLE	51.35	Account Closed-Credit Refund
041123	8/17/2016	CRF FN	FIDELITY NATIONAL TITLE	34.63	Account Closed-Credit Refund
041124	8/17/2016	CRF FN	FIDELITY NATIONAL TITLE	10.17	Account Closed-Credit Refund
041125	8/17/2016	CRF FT	FIRST AMERICAN TITLE	14.13	Account Closed-Credit Refund
041126	8/17/2016	CRF LEN	LENNAR HOMES CA, INC	40.62	Account Closed-Credit Refund

041127	8/17/2016	CRF LEN	LENNAR HOMES CA, INC	4.19	Account Closed-Credit Refund
041128	8/17/2016	CRF NT	NORTH AMERICAN TITLE	15.48	Account Closed-Credit Refund
041129	8/17/2016	CRF NT	NORTH AMERICAN TITLE	3.86	Account Closed-Credit Refund
041130	8/17/2016	CRF OR3	ORANGE COAST TITLE	2.12	Account Closed-Credit Refund
041131	8/17/2016	CRF QU	QUANTIX REAL ESTATE GROUP	158.86	Account Closed-Credit Refund
041132	8/17/2016	CRFDAH	DAVID HUSHBECK	433.88	Account Closed-Credit Refund
041133	8/17/2016	CRFDET	DEEPAK TIMSINA	65.80	Account Closed-Credit Refund
041134	8/17/2016	CRFDST	D SCOTT TURNER	21.56	Account Closed-Credit Refund
041135	8/17/2016	CRFELT	ELLWOOD TUCKER	13.47	Account Closed-Credit Refund
041136	8/17/2016	CRFFNC	FIDELITY NATIONAL TITLE COMP	68.47	Account Closed-Credit Refund
041137	8/17/2016	CRFFNC	FIDELITY NATIONAL TITLE COMP	20.27	Account Closed-Credit Refund
041138	8/17/2016	CRFJAM	JACKI MITCHELL	6.06	Account Closed-Credit Refund
041139	8/17/2016	CRFMD	MICHELLE DUCHESNE	67.28	Account Closed-Credit Refund
041140	8/17/2016	CRFNW	NANETTE WORLEY	58.98	Account Closed-Credit Refund
041141	8/17/2016	CRFOCTC	ORANGE COAST TITLE	134.74	Account Closed-Credit Refund
041142	8/17/2016	CRFPLA7	PLACER TITLE COMPANY	15.13	Account Closed-Credit Refund
041143	8/17/2016	CRFSAJ	SANDRA JACOBY	71.72	Account Closed-Credit Refund
041144	8/17/2016	CRFST6	STEWART TITLE OF	85.12	Account Closed-Credit Refund
041145	8/17/2016	CRFVJS	VICKIE J STANFILL	5.41	Account Closed-Credit Refund
041146	8/17/2016	CSI	CSI SERVICES, INC	950.00	Account Closed-Credit Refund
041147	8/17/2016	DATAPRO	DATAPROSE LLC	6,648.17	Account Closed-Credit Refund
041148	8/17/2016	DITCH	DITCH WITCH EQUIPMENT CO.,	152.64	Account Closed-Credit Refund
041149	8/17/2016	DMV	DMV	15.00	Account Closed-Credit Refund
041150	8/17/2016	FED EX	FEDERAL EXPRESS	25.67	Account Closed-Credit Refund
041151	8/17/2016	FERRELL	FERRELLGAS	217.62	Account Closed-Credit Refund
041152	8/17/2016	HANFORD	HANFORD SAND & GRAVEL, INC	200.88	Account Closed-Credit Refund
041153	8/17/2016	HYDROSC	HYDROSCIENCE ENGINEERS,	13,960.00	Account Closed-Credit Refund
041154	8/17/2016	PACE	PACE SUPPLY CORP	248.72	Account Closed-Credit Refund
041155	8/17/2016	PEST	PEST CONTROL CENTER INC	160.00	Account Closed-Credit Refund
041156	8/17/2016	PIT 4	PURCHASE POWER	64.99	Account Closed-Credit Refund
041157	8/17/2016	QUALYS	QUALYS, INC	90.00	Account Closed-Credit Refund
041158	8/17/2016	RADIAL	RADIAL TIRE OF ELK GROVE	875.10	Account Closed-Credit Refund
041159	8/17/2016	RCB BK	CARD SERVICE CENTER	1,371.25	Account Closed-Credit Refund
041160	8/17/2016	RCB RS	CARD SERVICE CENTER	694.99	Account Closed-Credit Refund
041161	8/17/2016	RCB SP	CARD SERVICE CENTER	894.89	Account Closed-Credit Refund
041162	8/17/2016	ROTH	ROTH STAFFING COMPANIES,	802.15	Account Closed-Credit Refund
041163	8/17/2016	SAC BEE	THE SACRAMENTO BEE	459.34	Account Closed-Credit Refund

Monthly Billing-July

Hampton WTP

Materials/Supplies-Distribution

Repairs & Maintenance-Vehicles

ARC GIS Conference-Hotel

Materials/ Supplies-Utility Crew

Advertisement, Training, Employee Appreciation

Temporary Customer Service Help

041164	8/17/2016	SIERRA	SIERRA OFFICE SUPPLIES	127.20	
041165	8/17/2016	ST DE C	STATE OF CALIFORNIA	115.00	
041166	8/23/2016	COEG	CITY OF ELK GROVE	2,800.00	Wilton Rancheria BLA
041167	8/24/2016	A. TEIC	A. TEICHERT & SON, INC	533.46	
041168	8/24/2016	AFLAC	AFLAC	1,511.99	
041169	8/24/2016	BAY ALA	BAY ALARM COMPANY	411.00	
041170	8/24/2016	BAY ALA	BAY ALARM COMPANY	36.75	
041171	8/24/2016	BAY ALA	BAY ALARM COMPANY	324.45	
041172	8/24/2016	BSK4	BSK ASSOCIATES	340.00	Sampling-Treatment
041173	8/24/2016	CCPPM	CCPPM	446.04	
041174	8/24/2016	CDW	CDW GOVERNMENT	5,958.30	Server License upgrades and renewals
041175	8/24/2016	COEG	CITY OF ELK GROVE	368.78	Permits
041176	8/24/2016	COUNTY4	SACRAMENTO COUNTY	109.71	
041177	8/24/2016	CPS	COOPERATIVE PERSONNAL	6,143.66	Program Manager-Recruitment
041178	8/24/2016	DOWNEY	DOWNEY BRAND, LLP	1,482.00	Legal
041179	8/24/2016	ECO	EcoLandscape California	1,250.00	
041180	8/24/2016	EGMAD	ELK GROVE MASONRY AND	6,000.00	Hampton WTP- Block Wall
041181	8/24/2016	FASTENA	FASTENAL COMPANY	40.13	
041182	8/24/2016	FRONT C	FRONTIER COMMUNICATIONS	450.85	Well site communications-Alarm and Security-August
041183	8/24/2016	FRONT C	FRONTIER COMMUNICATIONS	346.63	Well site communications-Alarm and Security-August
041184	8/24/2016	FRONT C	FRONTIER COMMUNICATIONS	356.39	Well site communications-Alarm and Security-August
041185	8/24/2016	INT STA	INTERSTATE OIL COMPANY	1,935.28	Fuel
041186	8/24/2016	JAYS	JAY'S TRUCKING SERVICE	1,014.52	Materials/Supplies- Business Center/CSD
041187	8/24/2016	KIRBY	KIRBY'S PUMP & MECHANICAL,	4,702.50	Well Rehab 11D
041188	8/24/2016	P&F DIS	P & F DISTRIBUTORS	6,493.73	Business Center/CSD Bore Shot
041189	8/24/2016	PACE	PACE SUPPLY CORP	1,127.08	(3) Invoices-Materials/Supplies-Bullheads/CSD
041190	8/24/2016	PLACER	RIVER CITY RENTALS	1,342.00	Backhoe Rental
041191	8/24/2016	PLATT2	PLATT	8.10	
041192	8/24/2016	RADIAL	RADIAL TIRE OF ELK GROVE	175.22	Repairs & Maintenance-Vehicles
041193	8/24/2016	ROTH	ROTH STAFFING COMPANIES,	927.93	Temporary Customer Service Help
041194	8/24/2016	SUMMIT	AIR WORKS INC	302.50	
041195	8/24/2016	UNITED	UNITED SITE SERVICES	250.15	
041196	8/24/2016	WILL SC	WILLIAM SCOTSMAN, INC.	174.07	
041197	8/24/2016	ZOOM	ZOOM IMAGING SOLUTIONS, INC	161.49	
041198	8/31/2016	ALL STA	ALL STAR RENTS	116.97	
041199	8/31/2016	ATT&T	AT&T MOBILITY	309.44	
041200	8/31/2016	BG SOLU	SOLUTIONS BY BG INC.	5,000.91	Daily Tasks/Help Tickets

041201	8/31/2016	CAP RUB	CAPITAL RUBBER	269.90	Elk Park Village Easements/Business Center/CSD
041202	8/31/2016	CLAYBAR	CLAYBAR ENGINEERING	1,770.00	
041203	8/31/2016	COUNTY4	SACRAMENTO COUNTY	109.70	
041204	8/31/2016	EFFECT	EFFECTIVE PHONE SOLUTIONS	2,303.83	(2) Invoices- Disaster Recovery/Maintenance Window
041205	8/31/2016	FASTENA	FASTENAL COMPANY	585.30	Materials/ Supplies-Distribution
041206	8/31/2016	NTS	NTS MIKEDON. LLC	126.00	
041207	8/31/2016	PACE	PACE SUPPLY CORP	327.17	Materials/Supplies-CSD
041208	8/31/2016	PACIF	PACIFIC UTILITY CONSTRUCTION	14,000.00	Business Center/CSD Bore Shot
041209	8/31/2016	PETTY	PETTY CASH	166.00	
041210	8/31/2016	RADIAL	RADIAL TIRE OF ELK GROVE	834.11	Repairs & Maintenance-Vehicles
041211	8/31/2016	ROTH	ROTH STAFFING COMPANIES,	1,091.11	Temporary Customer Service Help
041212	8/31/2016	SIERRA	SIERRA OFFICE SUPPLIES	118.34	
041213	8/31/2016	SMUD	SMUD	984.84	
041214	8/31/2016	SMUD	SMUD	2,300.97	
041215	8/31/2016	SMUD	SMUD	6,879.62	
041216	8/31/2016	SMUD	SMUD	1,506.94	
041217	8/31/2016	SMUD	SMUD	21,565.04	
041218	8/31/2016	SMUD	SMUD	843.95	
041219	8/31/2016	SMUD	SMUD	4,238.43	
041220	8/31/2016	SMUD	SMUD	1,377.96	
041221	8/31/2016	SMUD	SMUD	1,287.89	
041222	8/31/2016	ULTRA	ULTRA TRUCK WORKS, INC	118.47	
041223	8/31/2016	W SADLE	WILLIAM SADLER	48.82	Mileage Reimbursement
041224	8/31/2016	WATER T	WATERTRAX USA, INC	9,267.29	Annual WaterTrax License
041225	8/31/2016	WATKINS	ERICK WATKINS	3,750.00	Safety Consulting
041226	8/31/2016	WEBCO	WEBCO COMMUNICATION, INC	1,404.00	ESI 55D Digital Business Phone (4Pack)
041227	8/31/2016	WHITE	HDS WHITE CAP CONST SUPPLY	397.63	
041228	8/31/2016	BADAWI	BADAWI & ASSOCIATES	10,368.00	2016-Audit
041229	8/31/2016	CCPPM	CCPPM	44.16	
041230	8/31/2016	DATAPRO	DATAPROSE LLC	6,669.33	Monthly Billing-August
041231	8/31/2016	EG FORD	ELK GROVE FORD	94.00	Repairs & Maintenance-Vehicles
041232	8/31/2016	GOLDEN	GOLDEN STATE FLOW	159.84	
041233	8/31/2016	GTRI	GTRI	2,203.04	Production Support/Subscription Vmware-OPS/ADMIN
041234	8/31/2016	HALING	CINDY HALING	210.00	
041235	8/31/2016	INTER C	INTERNATIONAL CREDIT	432.00	
041236	8/31/2016	OPENDNS	OpenDNS INC.	1,277.76	Web Filter OPS/ADMIN
041237	8/31/2016	PAC BEN	PACIFIC BENEFIT	80.00	

(4) Invoices-Materials/Supplies-Business Center/CSD
 Repairs & Maintenance-Vehicles
 Temporary Customer Service Help
 Worker's Compensation Program Annual Reconciliation

10,144.80
 117.35
 879.81
 15,469.19
 150.38

PACE SUPPLY CORP
 RADIAL TIRE OF ELK GROVE
 ROTH STAFFING COMPANIES,
 SDRMA
 SIERRA OFFICE SUPPLIES

PACE
 RADIAL
 ROTH
 SDRMA
 SIERRA

8/31/2016
 8/31/2016
 8/31/2016
 8/31/2016
 8/31/2016

041238
 041239
 041240
 041241
 041242

Total: 400,819.54

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Elk Grove Water District
Active Account Information
7/31/2016

	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE
Water Accounts:												
Metered												
Residential	11,670											
Commercial	520											
Fire Service	174											
Total Accounts	12,364	-	-	-	-	-	-	-	-	-	-	-

Elk Grove Water District
Active Account Information
FY 2015/2016

	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE
Water Accounts:												
Metered												
Residential	11,669	11,658	11,647	11,637	11,643	11,656	11,649	11,632	11,654	11,666	11,659	11,665
Commercial	513	517	518	521	519	519	521	522	521	521	521	519
Fire Service	121	122	122	124	122	122	122	122	122	123	122	174
Total Accounts	12,303	12,297	12,287	12,282	12,284	12,297	12,292	12,276	12,297	12,310	12,302	12,358

Elk Grove Water District
Active Account Information
8/31/2016

	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE
Water Accounts:												
Metered												
Residential	11,670		11,674									
Commercial	520		521									
Fire Service	174		174									
Total Accounts	12,364		12,369									

Elk Grove Water District
Active Account Information
FY 2015/2016

	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE
Water Accounts:												
Metered												
Residential	11,669	11,658	11,647	11,637	11,643	11,656	11,649	11,632	11,654	11,666	11,659	11,665
Commercial	513	517	518	521	519	519	521	522	521	521	521	519
Fire Service	121	122	122	124	122	122	122	122	122	123	122	174
Total Accounts	12,303	12,297	12,287	12,282	12,284	12,297	12,292	12,276	12,297	12,310	12,302	12,358

Consent
Calendar Item#

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Elk Grove Water District

Bond Covenant Status

For Fiscal Year 2016-17

As of July 31, 2016

Operating Revenues:	
Charges for Services	\$ 1,405,030
 Operating Expenses:	
Salaries & Benefits	372,368
Seminars, Conventions and Travel	696
Office & Operational	102,856
Purchased Water	276,398
Outside Services	29,023
Equipment Rent, Taxes, an Utilities	41,563
Total Operating Expenses	822,904
Income From Operations	\$ 582,126
Interest & Principal Payments	
1,757,900+1,440,000	266,492 *
 Debt Service Coverage Ratio:	
Actual	2.18
Required	1.15

* Note: The calculation for the period = the percentage of the year completed.

Elk Grove Water District

Bond Covenant Status

For Fiscal Year 2016-17

As of Aug. 31, 2016

Operating Revenues:

Charges for Services	\$	2,797,283
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Operating Expenses:

Salaries & Benefits		701,566
Seminars, Conventions and Travel		2,932
Office & Operational		168,837
Purchased Water		550,009
Outside Services		144,400
Equipment Rent, Taxes, an Utilities		86,706
Total Operating Expenses		1,654,450

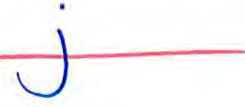
Income From Operations	\$	1,142,833
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Interest & Principal Payments		
1,757,900+1,440,000		532,983 *

Debt Service Coverage Ratio:

Actual		2.14
Required		1.15

* Note: The calculation for the period = the percentage of the year completed.



Elk Grove Water District
Revenues and Expenses Actual to Budget
July 31, 2016

General Ledger Reference	July		Variance	%	YTD Activity	Annual Budget	1/12=8.33%	
	Activity	Budget					Variance	% Realized
Revenues	1,405,030	1,145,472	259,559	22.66%	\$1,405,030	\$13,745,658	(\$12,340,628)	10.22%
Salaries & Benefits (1)	372,368	299,617	72,751	24.28%	\$372,368	\$3,595,403	(\$3,223,035)	10.36%
Seminars, Conventions and Travel	696	3,714	(3,019)	-81.27%	\$696	\$44,570	(\$43,874)	1.56%
Office & Operational	102,856	87,132	15,724	18.05%	102,856	\$1,045,589	(\$942,733)	9.84%
Purchased Water (2)	276,398	243,561	32,837	13.48%	\$276,398	\$2,922,734	(\$2,646,336)	9.46%
Outside Services	29,023	71,150	(42,127)	-59.21%	29,023	\$853,800	(\$824,777)	3.40%
Equipment Rent, Taxes, Utilities	41,563	32,068	9,495	29.61%	41,563	\$384,813	(\$343,250)	10.80%
Total Operational Expenses	822,904	737,242	85,661	11.62%	\$822,904	\$8,846,909	(\$8,024,005)	9.30%
Net Operations	582,127				\$582,127	\$4,898,749	(\$4,316,623)	0.92%
Non-Operating Revenue								
Interest Earned	11,536	8,333	3,203		312	100,000	(99,688)	0.31%
Other Income	56,669	2,214	58,882		3,259	26,566	(23,307)	12.27%
					3,571	126,566	(122,995)	2.82%
Non-Operating Expenses								
Capital Equipment & Expenditures	141,667	141,667	0		141,667	1,700,000	(1,558,333)	8.33%
Bond Interest Accrued	209,578	146,492	(63,086)		146,492	1,757,900	(1,611,408)	8.33%
					288,158	3,457,900	(3,169,742)	8.33%
Revenues in Excess of Expenditures (Net Revenues)	299,087				297,539	1,567,415	(1,269,876)	
Capital Contributions								
					141,667	1,700,000	(1,558,333)	8.33%
Capital Expenses								
Capital Improvements					29,047	1,384,000	(1,354,953)	2.10%
Capital Replacements					0	1,044,000	(1,044,000)	0.00%
Equipment					0	120,000	(120,000)	0.00%
Bond Retirement:					120,000	1,440,000	(1,320,000)	8.33%
Total Capital And Debt Retirement Expenditures					149,047	3,988,000	(3,838,953)	3.74%
Net Position after Capital and Debt Retirement Expenditures					290,158	(720,585)	1,010,743	-40.27%

(1) Approximately \$18,973 of the budgeted \$528,352 of salary & benefit expenses has been capitalized to various capital projects.

(2) Estimated Expenditures: Purchased Water \$276,398 in July



Elk Grove Water District
Revenues and Expenses Actual to Budget
August 31, 2016

General Ledger Reference	August Activity	August Budget	Variance	%	YTD Activity	Annual Budget	2/12=16.67%	
							Variance	% Realized
Revenues	1,392,253	1,145,472	246,781	21.54%	\$2,797,283	\$13,745,658	(\$10,948,375)	20.35%
Salaries & Benefits ⁽¹⁾	372,093	299,617	72,476	24.19%	\$701,566	\$3,595,403	(\$2,893,837)	19.51%
Seminars, Conventions and Travel	2,236	3,714	(1,478)	-39.79%	\$2,932	\$44,570	(\$41,638)	6.58%
Office & Operational	65,981	87,132	(21,151)	-24.27%	168,837	\$1,045,589	(\$876,752)	16.15%
Purchased Water ⁽²⁾	550,009	243,561	306,447	125.82%	\$550,009	\$2,922,734	(\$2,372,725)	18.82%
Outside Services	115,377	71,150	44,227	62.16%	144,400	\$853,800	(\$709,400)	16.91%
Equipment Rent, Taxes, Utilities	45,143	32,068	13,075	40.77%	86,706	\$384,813	(\$298,107)	22.53%
Total Operational Expenses	1,150,840	737,242	413,597	56.10%	\$1,654,450	\$8,846,909	(\$7,192,459)	18.70%
Net Operations	241,413				\$1,142,833	\$4,898,749	(\$3,755,916)	1.65%
Non-Operating Revenue					980	100,000	(99,020)	0.98%
Interest Earned	665	8,333	(7,668)		5,839	26,566	(20,727)	21.98%
Other Income	2,580	2,214	367		6,819	126,566	(119,747)	5.39%
Non-Operating Expenses								
Capital Equipment & Expenditures	141,667	141,667	0		283,333	1,700,000	(1,416,667)	16.67%
Bond Interest Accrued	146,492	146,492	0		292,983	1,757,900	(1,464,917)	16.67%
					576,317	3,457,900	(2,881,583)	16.67%
Revenues in Excess of Expenditures (Net Revenues)	(43,500)				573,335	1,567,415	(994,080)	
Capital Contributions					283,333	1,700,000	(1,416,667)	16.67%
Capital Expenses					108,694	1,384,000	(1,275,306)	7.85%
Capital Improvements					950	1,044,000	(1,043,050)	0.09%
Capital Replacements					0	120,000	(120,000)	0.00%
Equipment					240,000	1,440,000	(1,200,000)	16.67%
Bond Retirement:					349,644	3,988,000	(3,638,356)	8.77%
Total Capital And Debt Retirement Expenditures					507,025	(720,585)	1,227,610	-70.36%
Net Position after Capital and Debt Retirement Expenditures								

(1) Approximately \$42,895 of the budgeted \$528,352 of salary & benefit expenses has been capitalized to various capital projects.

(2) Estimated Expenditures: Purchased Water \$276,398 in July & \$273,610.33 in Aug.

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Florin Resource Conservation District
CASH - Detail Schedule of Investments
8/31/2016

G/L Account # Fund	Account number / name	Investment Name	Investment Type	Restrictions	Market Value
Held by BOND TRUSTEE:					
1103-000-20	Water	BNY 113757 FRCD 2002 INST PMT SER B	MM Mutual Fund	Restricted	2.00
1103-000-20	Water	BNY 113759 FRCD 2002 INST PMT SER B	MM Mutual Fund	Restricted	1.01
1103-000-20	Water	BNY 113756 FRCD INST PMT SER A	MM Mutual Fund	Restricted	1,777,733.77
1107-000-20	Water	BNY 113576 FRCD 2003 A CONST FUND	MM Mutual Fund	Restricted	0.00
1122-000-20	Water	BNY 113584 FRCD 2005 A CONST FUND	MM Mutual Fund	Restricted	192,431.70
1123-000-20	Water	BNY 113585 FRCD 2005 A INST PM	MM Mutual Fund	Restricted	0.00
1121-000-20	Water	BNY 113586 FRCD 2005 A RATE STAB	MM Mutual Fund	Restricted	1.00
1101-000-20	Water	BNY 113587 FRCD 2005 A RES FD	MM Mutual Fund	Restricted	0.00
1108-000-20	Water	BNY 113764 FRCD 2002 A/B RATE STABILIZATION	MM Mutual Fund	Restricted	0.00
1109-000-20	Water	BNY 892747 FRCD 2014A COI	MM Mutual Fund	Restricted	0.00
1109-000-20	Water	BNY 892745 FRCD 2014A REDEMPTION	MM Mutual Fund	Restricted	0.00
1110-000-20	Water	BNY 892744 FRCD 2014A DEBT SERVICE	MM Mutual Fund	Restricted	484,095.84
1111-000-20	Water	BNY 743849 FRCD 2016A COI	MM Mutual Fund	Restricted	23,342.00
1112-000-20	Water	BNY 743850 FRCD 2016A DEBT SERVICE	MM Mutual Fund	Restricted	0.00
				Subtotal	\$ 2,477,607.32
1001-000-20	Water	Cash on Hand		Unrestricted	\$ 300.00
HELD BY RIVER CITY BANK:					
1010-000-10	FRCD	RCB 1111057982 CHECKING ACCOUNT		Unrestricted	92,086.01
1010-000-20	Water	RCB 1111063486 GENERAL CHECKING		Unrestricted	73,610.89
1020-000-20	Water	RCB 1111028001 MONEY MARKET		Unrestricted	142,673.60
1030-000-20	Water	RCB 1111025851 CHARGE CARD ACCOUNT		Unrestricted	113,042.42
1040-000-20	Water	RCB 1111096589 HIGH YIELD MONEY MARKET		Unrestricted	380,569.69
1050-000-20	Water	RCB 1111099502 DEBT SERVICE ACCOUNT		Unrestricted	0.00
1060-000-20	Water	RCB 1111097844 PAYROLL ACCOUNT		Unrestricted	276,149.32
1070-000-20	Water	RCB 1111097933 WEB PAYMENT RECEIPTS		Unrestricted	92,664.24
				Subtotal	\$ 1,170,796.17
INVESTMENTS					
1080-000-20	Water	Office of the Treasurer - Sacramento California	Investment Pool	Unrestricted	\$ 354,223.42
1081-000-20	Water	CALTrust Short Term	Investment	\$ 753,520.54	\$ 753,268.08
1081-000-20	Water	CALTrust Medium Term	Investment	\$ 503,561.81	\$ 503,065.72
1082-000-20	Water				
				Subtotal	\$ 1,611,045.75
Summary					
				Total	\$ 13,260,200.71
				Total Restricted	\$ 2,477,607.32
				Total Unrestricted	\$ 10,782,593.39

YTM = Yield to Maturity
qtrly = quarterly
cont. = continuous

Consultant Expenses
July 31, 2016

Fiscal Retainer Contracts

Consultant	Description	Current Month	Paid to date	Budget/Contract Amount	Percent of year (.08%)
Best Best, & Krieger	Task orders			130,000	0.00%
Solutions by BG, Inc.	Task orders	10,118	10,118	130,100	7.78%

Project Specific Contracts

Consultant	Description	Current Month	Paid to date	Budget/Contract Amount	Percent of Contract Amount
Downey Brand LLP	Task orders		22,080	75,000	29.44%

Consultant Expenses
August 31, 2016

Fiscal Retainer Contracts

Consultant	Description	Current Month	Paid to date	Budget/Contract Amount	Percent of year (17%)
Best Best, & Krieger	Task orders	8,316	8,316	130,000	6.40%
Solutions by BG, Inc.	Task orders	10,002	20,120	130,100	15.47%

Project Specific Contracts

Consultant	Description	Current Month	Paid to date	Budget/Contract Amount	Percent of Contract
Downey Brand LLP	Task orders	3,742	28,522	75,000	38.03%

**Elk Grove Water District
Major Capital Improvement Project
Budget vs Actuals
July 31, 2016**

Capital Project	Total Project Budget	Expenditures to Date *	Percent Spent
Service Line Replacements	\$500,000	\$224,617	44.92%
Railroad Corridor Water Line	304,000	318,170	104.66%
Hampton Road WTP Refurbishment	1,346,000	1,129,103	83.89%
Business Center/CSD Bldg. Water Main Looping	175,000	23,509	13.43%
Truck Replacements	120,000	-	0.00%
RRWTF Modular Meeting Room & IT Center	125,000	2,582	2.07%
Well Rehabilitation Program (one-per year)	435,000	82,582	18.98%
RRWTF Tanks and Vessels Recoating	50,000	9,229	18.46%
Sub-Total	\$3,055,000	\$1,789,792	58.59%

*Includes \$42,985 of capitalized labor in FY 2016-17

**Elk Grove Water District
Major Capital Improvement Project
Budget vs Actuals
August 31, 2016**

Capital Project	Total Project Budget	Expenditures to Date *	Percent Spent
Service Line Replacements	\$500,000	\$279,972	55.99%
Railroad Corridor Water Line	304,000	351,688	115.69%
Hampton Road WTP Refurbishment	1,346,000	1,143,063	84.92%
Business Center/CSD Bldg. Water Main Looping	175,000	71,494	40.85%
Truck Replacements	120,000	41,063	34.22%
RRWTF Modular Meeting Room & IT Center	125,000	10,382	8.31%
Well Rehabilitation Program (one-per year)	435,000	107,082	24.62%
RRWTF Tanks and Vessels Recoating	50,000	10,179	20.36%
Sub-Total	\$3,055,000	\$2,014,923	65.95%

*Includes \$42,985 of capitalized labor in FY 2016-17

RESOLUTION NO. 09.28.16.01

RESOLUTION OF THE BOARD OF DIRECTORS OF THE FLORIN RESOURCE CONSERVATION DISTRICT AUTHORIZING THE DEPOSIT AND WITHDRAWAL OF MONIES FROM FARMERS AND MERCHANTS BANK

WHEREAS, the Florin Resource Conservation District Board of Director's authorized the General Manager to execute a Professional Services Agreement with Farmers and Merchants Bank to provide banking and payment processing services; and

WHEREAS, District staff is in the process of establishing the necessary accounts at Farmers and Merchants Bank; and

WHEREAS, appropriate internal controls need to be established in order to protect District resources.

NOW, THEREFORE, BE IT RESOLVED that the Board of Directors does hereby authorize the deposit and withdrawal of District monies at Farmers and Merchants Bank:

BE IT FUTHER RESOLVED that any combination of two of the following District staff positions, **or their successors**, on the attached exhibit shall be authorized to:

1. Open any deposit or share account(s) in the name of the District;
2. Endorse checks and orders for the payment of money or otherwise withdraw or transfer funds on deposit with Farmers and Merchants Bank;
3. Enter into a written lease for the purpose of renting, maintaining, accessing and terminating a Safe Deposit Box at Farmers and Merchants Bank.

PASSED, APPROVED, AND ADOPTED this 28th day of September 2016.

AYES:

NOES:

ABSENT:

ABSTAIN:

Chuck Dawson
Chairman of the Board of Directors

ATTEST:

Stefani Phillips
Secretary to the Board of Directors

EXHIBIT A



Mark J. Madison, General Manager



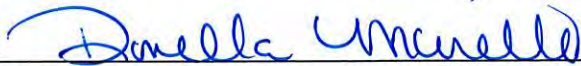
Bruce Kamilos, Assistant General Manager



Stefani Phillips, Human Resources Administrator / Board Secretary



Jim Malberg, Finance Manager / Treasurer



Donella Murillo, Finance Supervisor

September 28, 2016

TO: Chairman and Directors of the Florin Resource Conservation District
FROM: Mark J. Madison, General Manager
SUBJECT: **NATURAL RESOURCES CONSERVATION SERVICE REPORT**

RECOMMENDATION

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

Summary

The Natural Resource Conservation Service (NRCS) has been a partner in conservation with local resource conservation districts (RCD's) for many years. The local NRCS office has assisted the Florin Resource Conservation District (FRCD) in such past projects and programs as the Envirothon, creek restoration, habitat planting and water quality monitoring.

DISCUSSION

Background

The Natural Resources Conservation Service (NRCS) is a department of the United States Department of Agriculture (USDA). The NRCS provides farmland protection and conservation assistance to landowners and agricultural interests. The NRCS has a long history of partnership with RCDs.

Present Situation

The NRCS continues to provide technical assistance to farm and ranch landowners on erosion and sedimentation projects, nutrient management issues, water use efficiency improvements, soils information, wetland determinations and outreach to non-traditional customers to improve access to USDA services.

NATURAL RESOURCES CONSERVATION SERVICE REPORT

Page 2

The NRCS has provided a Summer Activity Report (Attachment 1) which shows selected activities of the NRCS Elk Grove Service Center over the past few months. Also provided is a Summary of Conservation Practices (Attachment 2), which lists the conservation practices planned and applied by the NRCS Elk Grove Service Center so far in FY 2016.

The local NRCS District Conservationist, Dwane Coffey, will be present at the September 28 FRCD Board meeting to explain the NRCS Elk Grove activities and conservation efforts in more detail.

STRATEGIC PLAN CONFORMITY

FRCD's partnership with the NRCS complies with the District's Cooperative Programs goals of the 2012-2017 Strategic Plan.

FINANCIAL SUMMARY

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

Respectfully submitted,



MARK J. MADISON
GENERAL MANAGER

Attachments

**USDA Natural Resources Conservation Service Elk Grove office,
serving Sacramento County and Florin, Lower Cosumnes and
Sloughhouse RCDs**

Summer Activity Report to Florin RCD – September 20th, 2016

- 1) Office move – USDA Service Center moved to a new location, 2 doors down from its previous space. Our new address is Ste. 190 instead of 170.
- 2) Personnel updates
 - a) Farm Bill Assistant was recently married and has a new surname, Carol Mahon instead of Pellegrini.
 - b) Engineer Jason Rambach will be out of the office in Germany during September for Ocktoberfest festivities.
 - c) new Sac State engineering student intern Tyrell from the Placerville office transferred to Elk Grove in September.
 - d) A full time soil conservationist position will be advertised in October for Elk Grove field office – vacancy will be open to the public to apply through the USAjobs website.
- 3) Conservation implementation
 - a) 86 eligible financial assistance applications received worth \$4.4 Million on 9,700 acres
 - b) Of the 86, 28 applications were funded for \$1.5 Million on 3,500 acres.



**Summary Conservation Practices
California - None Selected - None Selected - ELK GROVE SERVICE CENTER - FY 2016
All Plans
All Land Uses**

PRS 2.22

Summary Conservation Practices	Planned	Applied	Planned Count	Applied Count
Crop Technology Bundle #8 (Reduces inputs, improves SQ and WQ, benefits pollinators/beneficials) (BCR08) (ac)				
Access Control (472) (ac)				
Access Road (560) (ft)				
Adding food-producing trees and shrubs to existing plantings (E612133X1) (ac)				
Advanced IWM--Soil moisture is monitored, recorded, and used in decision making (E449114Z1) (ac)				
Advanced IWM--Weather is monitored, recorded and used in decision making (E449114Z2) (ac)				
Ag Energy Management Plan - Applied (129) (no)				
Agrichemical Handling Facility (309) (no)				
Agricultural Energy Management Plan, Landscape - Written (124) (no)				
Agricultural Energy Management Plan - Written (128) (no)				
Agricultural Energy Management Plan, Headquarters - Applied (123) (no)				
Agricultural Energy Management Plan, Headquarters - Written (122) (no)				
Agricultural Energy Management Plan, Landscape - Applied (125) (no)				
Agricultural Secondary Containment Facility (710) (no)				
Air Filtration and Scrubbing (371) (no)				
Alley Cropping (311) (ac)				
Alley cropping establishment for wildlife and beneficial insect habitat (PLT14) (ac)				
Alum treatment of Poultry Litter (786) (no)				
AMENDING SOIL PROPERTIES WITH GYPSIFEROUS PRODUCTS (801) (ac)				
Amending Soil Properties with Gypsum Products (333) (ac)				
Amendments for the Treatment of Agricultural Waste (591) (ani unt)				

Anaerobic Digester (366) (no)			1	
Animal Mortality Facility (316) (no)				
Anionic Polyacrylamide (PAM) Application (450) (ac)				
Apply controlled release nitrogen fertilizer (WQL06) (ac)				
Apply enhanced efficiency fertilizer products (WQL24) (ac)				
Apply enhanced efficiency fertilizer products (WQL32) (ac)				
Apply gypsum products to improve surface WQ by reducing dissolved P conc in subsurface drainage (E333119Z) (ac)				
Apply gypsum products to improve surface WQ quality by reducing dissolved P conc in surface runoff (E333118Z) (ac)				
Apply gypsum to improve WQ, contaminants transported from manure/biosolid application-ground water (E333123Z) (ac)				
Apply gypsum to improve WQ, contaminants transported from manure/biosolid application-surface water (E333122Z) (ac)				
Apply nutrients no more than 30 days prior to planned planting date (WQL05) (ac)				
Apply phosphorus fertilizer below soil surface (WQL09) (ac)				
Apply split applications of nitrogen based on a pre-sidedress nitrogen test on cropland (WQL08) (ac)				
Aquaculture Ponds (397) (ac)				
Aquatic Organism Passage (396) (mi)				
Aquatic Organism Passage Barrier Removal (ANM28) (no)				
Atmospheric Resource Quality Management (370) (ac)				
BCR10 (Improves nutrient and pesticide application techniques and widens buffers) (BCR10) (ac)				
BCR11 (Addresses orchard and vineyard resource concerns) (BCR11) (ac)				
Bedding (310) (ac)				
BFO09 (Improve wildlife habitat, soil quality and forest health) (BFO09) (ac)				
BFO10 (Improves wildlife habitat in hardwood or mixed forests) (BFO10) (ac)				
Biochar production from woody residue (E384135Z) (ac)				
Biological suppression and other non-chemical techniques to manage brush, weeds and invasive species (WQL01) (ac)				
Biological suppression and other non-chemical techniques to manage herbaceous weeds invasive species (WQL02) (ac)				
Biological suppression and other non-chemical techniques to manage vegetation (WQL28) (ac)				
Bivalve Aquaculture Gear and Biofouling Control (400) (ac)				
BO101 (Improves irrigation water conservation and widens buffers) (BO101) (ac)				

BOI02 (Improves irrigation water conservation and widens buffers) (BOI02) (ac)						
BOI03 (Improves irrigation water conservation and widens buffers) (BOI03) (ac)						
BPA10 (Improves forage utilization) (BPA10) (ac)						
BPI01 (Improves conifer forest health through prescribed burning and grazing management) (BPI01) (ac)						
BPI02 (Improves conifer forest health through prescribed burning and forest stand management) (BPI02) (ac)						
BPI03 (Improves forest health and wildlife habitat through forest stand management) (BPI03) (ac)						
BRA10 (Addresses multiple resource concerns) (BRA10) (ac)						
BRA11 (Addresses multiple resource concerns) (BRA11) (ac)						
Brush Management (314) (ac)						
Brush management for improved structure and composition (E314133Z) (ac)						
Brush management that maintains or enhances wildlife or fish habitat (E314134Z) (ac)						
Buffer Bundle#1 (B000BFF1) (ac)						
Buffer Bundle#2 (B000BFF2) (ac)						
Building Envelope Improvement (672) (no)						
Center pivot irrigation system end gun removal (WQT10) (no)						
Channel Bank Vegetation (322) (ac)						
Channel Bed Stabilization (584) (ft)						
Clearing and Snagging (326) (ft)						
Close structures to capture and retain rainfall for waterfowl and wading birds during winter (ANM44) (ac)						
Combustion System Improvement (372) (no)		5				5
Complete pumping plant eval for all pumps on a farm to determine the VFD potential (E449114Z3) (no)						
Complete pumping plant evaluation for all pumps on a farm. (E449144Z) (no)						
Composting Facility (317) (no)			1			1
Comprehensive Air Quality Management Plan - Applied (127) (no)						
Comprehensive Air Quality Management Plan - Written (126) (no)						
Comprehensive Nutrient Management Plan - Applied (103) (no)						
Comprehensive Nutrient Management Plan - Written (102) (no)			1			1
Comprehensive Nutrient Management Plan (100) (no)						
Computerized hole selection for polytube (WQT12) (ac)						
Conifer crop tree release (PLT23) (ac)						

Conifer Crop Tree Release (PLT11) (ac)						
Conservation Completion Incentive First Year (CCIA) (no)						
Conservation Cover (327) (ac)						
Conservation cover to provide cover and shelter habitat for pollinators and beneficial insects (E327137Z) (ac)						
Conservation cover to provide food habitat for pollinators and beneficial insects (E327136Z1) (ac)						
Conservation cover to provide habitat continuity for pollinators and beneficial insects (E327139Z) (ac)						
Conservation Crop Rotation (328) (ac)						
Conservation crop rotation on recently converted CRP grass/legume cover for SOM improvement (E328106Z3) (ac)						
Conservation crop rotation on recently converted CRP grass/legume cover for water erosion (E328101Z) (ac)						
Conservation crop rotation on recently converted CRP grass/legume cover for wind erosion (E328102Z) (ac)						
Conservation crop rotation to reduce the concentration of salts (E328109Z) (ac)						
Conservation Plan Supporting Organic Transition - Applied (139) (no)						
Conservation Plan Supporting Organic Transition - Written (138) (no)						
Conservation Plan Supporting Transition from Irrigation to Dry-land Plan - Written (134) (no)						
Constructed Wetland (656) (ac)						
Continuous cover crops (SQL02) (ac)						
Continuous No Till (SOE04) (ac)						
Continuous No Till Organic System (SOE03) (ac)						
Continuous no till with high residue (SOE01) (ac)						
Contour Buffer Strips (332) (ac)						
Contour Farming (330) (ac)						
Contour Orchard and Other Perennial Crops (331) (ac)						
Control of undesirable woody vegetation in moist soil wetlands for wildlife (ANM50) (ac)						
Controlled Stream access for Livestock Watering (730) (no)						
Controlled Traffic Farming (334) (ac)						
Controlled Traffic Farming (720) (ac)						
Controlled traffic farming to reduce compaction (E334107Z) (ac)						
Controlled traffic system (SQL01) (ac)						
Controlling Existing Flowing Wells (800) (no)						

Conversion of cropped land to grass-based agriculture (SQL09) (ac)					
Conversion of cropped land to grass-based agriculture (SQL06) (ac)					
Conversion to Non-Irrigated Crop Production (WQT06) (ac)					
Converting loblolly and slash pine plantations to longleaf pine to enhance wildlife habitat (E666137Z4) (ac)					
Converting loblolly and slash pine plantations to longleaf pine to retain soil moisture (E666115Z) (ac)					
Converting loblolly and slash pine plantations to longleaf pine with FSI and prescribed burning (E666133Z2) (ac)					
Cover Crop (340) (ac)	172	1,263	16	25	
Cover crop to minimize soil compaction (E340107Z) (ac)					
Cover crop to reduce water erosion (E340101Z) (ac)					
Cover crop to reduce water quality degradation by utilizing excess soil nutrients-ground water (E340119Z) (ac)					
Cover crop to reduce water quality degradation by utilizing excess soil nutrients-surface water (E340118Z) (ac)					
Cover crop to reduce wind erosion (E340102Z) (ac)					
Cover crop to suppress excessive weed pressures and break pest cycles (E340134Z) (ac)					
Cover cropping in orchards, vineyards and other woody perennial horticultural crops (SQL11) (ac)					
Create small openings in pine stands to improve habitat or to prepare for natural regeneration (PLT27) (ac)					
Creating forest openings to improve hardwood stands (PLT17) (ac)					
Creating native plant refugia (E643139X) (ac)					
Creating structural diversity with patch openings (E666133Z1) (ac)					
Creation and retention of snags, den trees and course woody debris for wildlife habitat (ANM55) (ac)					
Critical Area Planting (342) (ac)		2		1	
Crop Bundle#1 - Precision Ag, No till (B000CPL1) (ac)					
Crop Bundle#2 - Precision Ag, Reduced till (B000CPL2) (ac)					
Crop Bundle#3 - Soil health rotation, No till (B000CPL3) (ac)					
Crop Bundle#4 - Soil health rotation, Reduced till (B000CPL4) (ac)					
Crop Bundle#5 - Soil Health Assessment, No till (B000CPL5) (ac)					
Crop Bundle#6 - Soil Health Assessment, Reduced till (B000CPL6) (ac)					
Crop Bundle#7 - Soil Health "Organic" (B000CPL7) (ac)					
Crop Bundle#8 - "Organic", Water erosion (B000CPL8) (ac)					

Crop Bundle#9 - "Organic", Wind erosion (B000CPL9) (ac)						
Crop By-Product Transfer (736) (no)						
Crop management system on crop land acres recently converted (SQL10) (ac)						
Crop Technology Bundle #1 (BCR01) (ac)						
Crop Technology Bundle #2 (BCR02) (ac)						
Crop Technology Bundle #3 (BCR03) (ac)						
Crop Technology Bundle #4 (BCR04) (ac)						
Crop Technology Bundle #5 (BCR05) (ac)						
Crop Technology Bundle #6 (Improves nutrient and pesticide application techniques and widen buffers) (BCR06) (ac)						
Crop Technology Bundle #7 (Addresses orchard and vineyard resource concerns) (BCR07) (ac)						
Crop Technology Bundle #9 (Addresses orchard and vineyard resource concerns) (BCR09) (ac)						
Crop tree management for mast production (E666132Z) (ac)						
Crop tree release in young hardwood stands (PLT24) (ac)						
Cropland conversion to grass-based agriculture for soil organic matter improvement (E512106Z1) (ac)						
Cropland conversion to grass-based agriculture to reduce sediment loading (E512126Z) (ac)						
Cropland conversion to grass-based agriculture to reduce water erosion (E512101Z1) (ac)						
Cropland conversion to grass-based agriculture to reduce wind erosion (E512102Z) (ac)						
Cropland conversion to trees or shrubs for long term improvement of water quality (E612126Z) (ac)						
Cropland conversion to trees or shrubs for long term water erosion control (E612101Z) (ac)						
Cropland conversion to trees or shrubs for long term wind erosion control (E612102Z) (ac)						
Cross Wind Ridges (588) (ac)						
Cross Wind Ridges (589A) (ac)						
Cross Wind Trap Strips (589C) (ac)						
Cultural plantings (E612133X2) (ac)						
Dam (402) (ac-ft)						
Dam, Diversion (348) (no)						
Decrease irrigation water quantity or conversion to non-irrigated crop production (WQT08) (ac)						
Deep Tillage (324) (ac)	319	245	13	11		

Defer crop production on temporary and seasonal wetlands (ANIM02) (ac)				
Deferred Grazing to Improve Lesser Prairie-chicken (LPC) habitat (ANM62) (ac)				
Denitrifying Bioreactor (605) (ac)				
Denitrifying Bioreactor (747) (ac)				
Dike (356) (ft)				
Discontinue burning crop residue (AIR10) (ac)				
Diversion (362) (ft)				
Drainage Ditch Covering (775) (ft)				
Drainage Water Management (554) (ac)				
Drainage water management (ANM31) (ac)				
Drainage water management for nutrient, pathogen, or pesticide reduction (SQL03) (ac)				
Drainage water management for nutrient, pathogen, or pesticide reduction (WQL27) (ac)				
Drainage water management for seasonal wildlife habitat (ANM01) (ac)				
Drainage Water Management Plan - Applied (131) (no)				
Drainage Water Management Plan - Written (130) (no)				
Dry Hydrant (432) (no)				
DUST CONTROL FROM ANIMAL ACTIVITY ON OPEN LOT SURFACES (375) (ac)				
Dust Control on Unpaved Roads and Surfaces (373) (sq ft)				
Dust Control on Unpaved Roads and Surfaces (729) (sq ft)				
Dust control on unpaved roads and surfaces (AIR05) (ac)				
Early successional habitat between first rice crop and ratoon crop (ANM49) (ac)				
Early Successional Habitat Development/Management (647) (ac)				
Edge-of-Field Water Quality Monitoring-Data Collection and Evaluation (201) (ac)				
Edge-of-Field Water Quality Monitoring-System Installation (202) (no)				
Emergency Animal Mortality Management (368) (no)				
Engine Replacement (723) (no)				
Enhance habitat on expired CRP acres or acres with perennial vegetated cover managed as hayland (ANM35) (ac)				
Enhance habitat on expired CRP acres or acres with woody cover managed as forestland (ANM36) (ac)				
Enhanced wildlife habitat on expired grass/legume covered CRP acres (E51139Z1) (ac)				
Enhancement - Air Resource Management (EAM) (ac)				
Enhancement - Drainage Management (EDR) (ac)				
Enhancement - Energy Management (EEM) (ac)				

Enhancement - Grazing Management (EGM) (ac)					
Enhancement - Habitat Management (EHM) (ac)					
Enhancement - Nutrient Management (ENM) (ac)					
Enhancement - Pest Management (EPM) (ac)					
Enhancement - Plant Management (EPL) (ac)					
Enhancement - Salinity Management (ESL) (ac)					
Enhancement - Soil Management (ESM) (ac)					
Enhancement - Special (ESP) (no)					
Enhancement - Water Management (EWM) (ac)					
Environmental Quality Assessment (MN252) (no)					
Equitable Relief Payment (ERP) (no)					
Erroneous Underpayment (EUP) (no)					
Establish and maintain early successional, natural vegetation in ditches and ditch bank borders (ANM51) (ft)					
Establish Monarch butterfly habitat (E327136Z2) (ac)					
Establish Monarch butterfly habitat in pastures (E512139Z3) (ac)					
Establish pollinator and/or beneficial insect food habitat (E512136Z1) (ac)					
Establish pollinator and/or beneficial insect habitat (PLT15) (ac)					
Establish pollinator and/or beneficial insect habitat continuity (space) (E512139Z2) (ac)					
Establish pollinator habitat (PLT01) (ac)					
Establish wildlife corridors to enhance access to water (E512138Z) (ac)					
Establish wildlife corridors to provide habitat continuity (E512139Z1) (ac)					
Existing Practice Payment (EPP) (ac)					
Extend existing filter strip to reduce excess nutrients in surface water (E393118Z) (ac)					
Extend existing filter strip to reduce excess pathogens and chemicals in surface water (E393122Z) (ac)					
Extend existing filter strip to reduce excess sediment in surface water (E393126Z) (ac)					
Extend existing filter strips for water quality protection and wildlife habitat (ANIM04) (ac)					
Extend existing filter strips or riparian herbaceous cover for WQ protection and wildlife habitat (ANIM32) (ac)					
Extend retention of captured rainfall to provide late winter habitat for migratory waterfowl and sho (ANIM46) (ac)					
Extend the periods of soil saturation or shallow ponding for wildlife (E554138X) (ac)					
Extending existing field borders for water quality protection and wildlife habitat (ANM07) (ac)					

Extending existing field borders for water quality protection and wildlife habitat (ANIM40) (ac)					
Extending existing riparian herbaceous cover for water quality protection and wildlife habitat (ANIM06) (ac)					
Extending riparian forest buffers for water quality protection and wildlife habitat (ANIM05) (ac)					
Extending riparian forest buffers for water quality protection and wildlife habitat (ANIM39) (ac)					
FARMSTEAD ENERGY IMPROVEMENT (374) (no)					
Feed Management (592) (ani unt)					
Feed Management Plan - Applied (109) (no)					
Feed Management Plan - Written (108) (no)					
Fence (382) (ft)	37,870	3,617	23		5
Feral Swine Management Conservation Activity - Interim (297) (ac)					
Field Border (386) (ac)					
Field Operations Emissions Reduction (376) (ac)					
Field Operations Emissions Reduction (756) (ac)		145			3
Filter Strip (393) (ac)					
Firebreak (394) (ft)					
Fish and Wildlife Habitat Plan - Applied (143) (no)					
Fish and Wildlife Habitat Plan - Written (142) (no)					
Fish and Wildlife Structure (734) (no)					
Fish Raceway or Tank (398) (ft)					
Fishpond Management (399) (no)					
Fishpond management for native aquatic and terrestrial species (E399137X) (ac)					
Floodproofing (714) (no)					
Forage and Biomass Planting (512) (ac)	340	93	20		9
Forage and biomass planting for water erosion to improve soil health (E512101Z2) (ac)					
Forage and biomass planting that produces feedstock for biofuels or energy production (E512132Z1) (ac)					
Forage Harvest Management (511) (ac)					
Forage harvest management that helps maintain or improve wildlife habitat (cover and shelter) (E511137Z2) (ac)					
Forage harvest management that helps maintain wildlife habitat continuity (space) (E511139Z2) (ac)					
Forage plantings that can help increase organic matter in depleted soils (E512106Z2) (ac)					

Forage plantings that enhance bird habitat (cover and shelter) (E512137Z) (ac)				
Forage plantings that enhance bird habitat (structure and composition) (E512133Z2) (ac)				
Forest Bundle # 6 (Improves wildlife habitat and soil quality) (BFO06) (ac)				
Forest Bundle # 7 (Improves wildlife habitat in conifer or mixed forests) (BFO07) (ac)				
Forest Bundle # 8 (Improves wildlife habitat in hardwood or mixed forests) (BFO08) (ac)				
Forest Bundle #2 (BFO02) (ac)				
Forest Bundle #3 (BFO03) (ac)				
Forest Bundle #4 (BFO04) (ac)				
Forest Bundle #5 (BFO05) (ac)				
Forest Bundle#1 (B000FST1) (ac)				
Forest Management Plan - Applied (107) (no)				
Forest Management Plan - Written (106) (no)				
Forest Stand Improvement (666) (ac)				
Forest stand improvement for habitat and soil quality (ANM15) (ac)				
Forest stand improvement for soil health (SQL13) (ac)				
Forest Stand Improvement for Soil Quality (SQL07) (ac)				
Forest Stand Improvement for Wildfire Reduction (PLT13) (ac)				
Forest stand improvement for wildlife habitat and soil quality (ANM42) (ac)				
Forest stand improvement pre-treating vegetation and fuels (PLT03) (ac)				
Forest stand improvement pre-treating vegetation and fuels preceding a prescribed fire (PLT21) (ac)				
Forest stand improvement, prescribed burning ??? short return interval (PLT31) (ac)				
Forest Stand Improvement, Prescribed burning (PLT04) (ac)				
Forest Trails and Landings (655) (ft)				
Forest Wildlife Structures (ANM24) (ac)				
FSI to treat understory vegetation to minimize the risk of damaging wildfires (PLT26) (ac)				
Fuel Break (383) (ac)				
Fuel use reduction for field operations (ENR01) (ac)				
Fueling Facility, Above Ground Storage (713) (no)				
GPS, targeted spray application (SmartSprayer), or other chemical application electronic control tec (AIR07) (ac)				
Grade Stabilization Structure (410) (no)				
Grassed Waterway (412) (ac)				
Grazing Land Mechanical Treatment (548) (ac)				

Grazing management for improving quantity and quality of cover and shelter for wildlife (E528137Z1) (ac)					
Grazing management for improving quantity and quality of food for wildlife (E528136Z1) (ac)					
Grazing management for improving quantity/quality of plant structure/composition for wildlife (E528133Z2) (ac)					
Grazing Management Plan - Applied (111) (no)					
Grazing Management Plan - Written (110) (no)					
Grazing Management Plan (OH228) (no)					
Grazing management that improves Monarch butterfly habitat (E528136Z3) (ac)					
Grazing management that protects sensitive areas from gully erosion (E528104Z) (ac)					
Grazing management that protects sensitive areas-ground water from nutrients (E528119Z) (ac)					
Grazing management that protects sensitive areas-surface water from nutrients (E528118Z2) (ac)					
Grazing management to improve Sage grouse habitat (ANM159) (ac)					
Grazing management to improve wildlife habitat (ANM109) (ac)					
Groundwater Testing (355) (no)					
Grouse friendly fencing (ANM160) (ft)					
Habitat Development for Beneficial Insects for Pest Management (PLT08) (ac)					
Hardwood Crop Tree Release (PLT07) (ac)					
Harvest crop in a manner that allows wildlife to flush and escape (ANM63) (ac)					
Harvest hay in a manner that allows wildlife to flush and escape (ANM10) (ac)					
Harvest of crops (hay or small grains) using measures that allow desired species to flush or escape (E51137Z1) (ac)					
Harvesting crops using a stripper header (ANM16) (ac)					
Heavy Use Area Protection (561) (sq ft)					
Hedgerow Planting (422) (ft)	1,720	3,393	1	2	
Herbaceous Weed Control (315) (ac)					
Herbaceous weed control (inadequate structure and comp) for desired plant communities/habitats (E315133Z) (ac)					
Herbaceous weed control (plant pest pressures) for desired plant communities/habitats (E315134Z) (ac)					
Herbaceous weed control for desired plant communities/habitats consistent with the ecological site (E315132Z) (ac)					
Herbaceous Wind Barriers (603) (ft)					
Herbicide resistant weed management (PLT19) (ac)					

High level Integrated Pest Management to reduce pesticide environmental risk (WQL13) (ac)				
High level integrated pest management to reduce pesticide environmental risk (WQL29) (ac)				
High level or advanced irrigation water management (WQT09) (ac)				
High residue cover crop or mixtures of high residue cover crops for weed suppression and soil health (PLT20) (ac)				
High species diversity grazing lands (SQL16) (ac)				
High Tunnel System (325) (sq ft)	2,178			1
Hillside Ditch (423) (ft)				
Hinge cutting for wildlife (ANM53) (ac)				
Hosting a grazing related field day (ANM61) (ac)				
Implement fallow disking to improve wildlife habitat (ANM52) (ac)				
Implementing sustainable practices for pine straw raking (E666106Z1) (ac)				
Implementing sustainable practices for pine straw raking to enhance wildlife habitat (E666137Z5) (ac)				
Improve the plant diversity and structure of non-cropped areas for wildlife food and habitat (ANM08) (ac)				
Improved grazing management for plant productivity/health through monitoring (E528132Z3) (ac)				
Improved grazing management for plant structure and composition through monitoring activities (E528133Z3) (ac)				
Improved grazing management for soil compaction on rangeland through monitoring activities (E528107Z2) (ac)				
Improved grazing management for soil compaction through monitoring activities (E528107Z1) (ac)				
Improved grazing management for water erosion through monitoring activities (E528101Z) (ac)				
Improved grazing management that reduces undesirable plant pest pressure through monitoring (E528134Z) (ac)				
Improved grazing mgmt for plant productivity/health through monitoring (E528132Z1) (ac)				
Improved Resource Conserving Crop Rotation (IRCCR) (CCR98) (ac)				
Improved resource conserving crop rotation for soil organic matter improvement (E328106I) (ac)				
Improved resource conserving crop rotation to improve soil compaction (E328107I) (ac)				
Improved resource conserving crop rotation to reduce water erosion (E328101I) (ac)				
Improved resource conserving crop rotation to reduce wind erosion (E328102I) (ac)				
Improved resource conserving crop rotation to relieve plant pest pressure (E328134I) (ac)				

Improving energy feedstock production using alley cropping systems with short rotation woody crops (ENR11) (ac)				
Improving nutrient uptake efficiency and reducing risk of nutrient losses to groundwater (E590119Z) (ac)				
Improving nutrient uptake efficiency and reducing risk of nutrient losses to surface water (E590118Z) (ac)				
Improving nutrient uptake efficiency and reducing risks to air quality ??? emissions of GHGs (E590130Z) (ac)				
Incorporate native grasses and/or legumes into 15% or more of the forage base (ANM03) (ac)				
Incorporating "wildlife friendly" fencing for connectivity of wildlife food resources (E382136Z) (ft)				
Incorporating wildlife refuge areas in contingency plans for livestock feed and forage (E528140Z2) (ac)				
Incorporating wildlife refuge areas in contingency plans for prescribed grazing-cover/shelter (E528137Z2) (ac)				
Incorporating wildlife refuge areas in contingency plans for prescribed grazing-water access (E528138Z) (ac)				
Incorporating wildlife refuge areas in contingency plans for wildlife food (E528136Z2) (ac)				
Increase diversity in pine plantation monocultures (E666137Z3) (ac)				
Increase on-site carbon storage (E666130Z) (ac)				
Increase riparian forest buffer width for nutrient reduction (E391118Z) (ac)				
Increase riparian forest buffer width to enhance wildlife habitat (E391136Z) (ac)				
Increase riparian forest buffer width to reduce sediment loading (E391126Z) (ac)				
Increase riparian herbaceous cover width for nutrient reduction (E390118Z) (ac)				
Increase riparian herbaceous cover width to enhance wildlife habitat (E390136Z) (ac)				
Increase riparian herbaceous cover width to reduce sediment loading (E390126Z) (ac)				
Increase stream shading for stream temperature reduction (E391127Z) (ac)				
Increase summer roost habitat for forest dwelling bat species (ANM56) (ac)				
Increasing on-farm food production with edible woody buffer landscapes (PLT18) (ac)				
Individual Terrace (751) (ac)				
Infiltration Ditches (753) (ft)				
Injecting or incorporating manure (AIR01) (ac)				
Install variable frequency drive(s) on pump(s) (E374144Z1) (no)				
Installation of a saturated vegetated drain outlet (E554118Z2) (ac)				
Installation of end of pipe or ditch treatment for nitrogen (E554118Z3) (ac)				
Installation of end of pipe or ditch treatment for phosphorus (E554118Z1) (ac)				

Integrate grazing into crop and forest systems (SQL14) (ac)						
Integrated Pest Management (IPM) (595) (ac)	2					2
Integrated pest management for ORGANIC farming (WQL30) (ac)						
Integrated Pest Management for Organic Farming. (WQL21) (ac)						
Integrated Pest Management Plan - Applied (115) (no)						
Integrated Pest Management Plan - Written (114) (no)						
Intensive cover cropping (orchard/vineyard floor) to increase soil health and SOM content (E340106Z3) (ac)						
Intensive cover cropping in annual crops (SQL12) (ac)						
Intensive cover cropping to increase soil health and soil organic matter content (E340106Z1) (ac)						
Intensive Management of Rotational Grazing (PLT10) (ac)						
Intensive no-till (Organic or Non-organic systems) (SOE05) (ac)						
Intensive rotational grazing (PLT16) (ac)						
Intercropping to improve soil quality and increase biodiversity (SQL08) (ac)						
Intermittent flooding of rice fields (WQT13) (ac)						
Invasive Plant Species Control (797) (ac)						
IPM Herbicide Resistance Weed Conservation Plan - Applied (155) (no)						
IPM Herbicide Resistance Weed Conservation Plan - Written (154) (no)						
Irrigation Canal or Lateral (320) (ft)						
Irrigation Ditch Lining (428) (ft)						
Irrigation Field Ditch (388) (ft)						
Irrigation Land Leveling (464) (ac)	251	269	9			11
Irrigation Pipeline (430) (ft)	21,035	21,140	20			27
Irrigation pumping plant evaluation (WQT03) (no)						
Irrigation Regulating Reservoir (552) (no)						
Irrigation Reservoir (436) (ac-ft)		1				1
Irrigation system automation (WQT01) (ac)						
Irrigation System, Microirrigation (441) (ac)	325		19			
Irrigation System, Surface and Subsurface (443) (ac)						
Irrigation System, Tailwater Recovery (447) (no)						
Irrigation Water Conveyance (430) (ft)						
Irrigation Water Conveyance, Ditch and Canal Lining, Flexible Membrane (428B) (ft)						
Irrigation Water Conveyance, Ditch and Canal Lining, Galvanized Steel (428C) (ft)						

Irrigation Water Conveyance, Ditch and Canal Lining, Plain Concrete (428A) (ft)				
Irrigation Water Conveyance, Pipeline, Aluminum Tubing (430AA) (ft)				
Irrigation Water Conveyance, Pipeline, Asbestos-Cement (430BB) (ft)				
Irrigation Water Conveyance, Pipeline, High-Pressure, Underground, Plastic (430DD) (ft)				
Irrigation Water Conveyance, Pipeline, Low-Pressure, Underground, Plastic (430EE) (ft)				
Irrigation Water Conveyance, Pipeline, Nonreinforced Concrete (430CC) (ft)				
Irrigation Water Conveyance, Pipeline, Reinforced Plastic Mortar (430GG) (ft)				
Irrigation Water Conveyance, Pipeline, Steel (430FF) (ft)				
Irrigation Water Management (449) (ac)	1			1
Irrigation Water Management Plan - Applied (119) (no)				
Irrigation Water Management Plan - Written (118) (no)				
Judicial or NAD Payment (JNP) (no)				
Karst Sinkhole Treatment (527) (no)				
Land application of only treated manure (WQL14) (ac)				
Land application of treated manure (WQL31) (ac)				
Land Clearing (460) (ac)				
Land Reclamation, Abandoned Mined Land (543) (ac)				
Land Reclamation, Currently Mined Land (544) (ac)				
Land Reclamation, Landslide Treatment (453) (ac)				
Land Reclamation, Toxic Discharge Control (455) (no)				
Land Smoothing (466) (ac)	224	295	13	13
Leave standing grain crops un-harvested to benefit wildlife (ANM34) (ac)				
Leave standing grain crops unharvested to benefit wildlife cover and shelter (E328137Z) (ac)				
Leave standing grain crops unharvested to benefit wildlife food sources (E328136Z) (ac)				
Lighting System Improvement (670) (no)				
Lined Waterway or Outlet (468) (ft)				
Livestock Confinement Facility (770) (no)				
Livestock Cooling Pond (779) (no)				
Livestock Pipeline (516) (ft)	6,749	3,221	8	5
Livestock Shade Structure (717) (no)				
Livestock Shelter Structure (576) (no)				
Locally grown and marketed farm products (ENR05) (ac)				
Longleaf Pine Bundle#1 (B000LLP1) (ac)				

Longleaf Pine Bundle#2 (B000LLP2) (ac)				
Longleaf Pine Bundle#3 (B000LLP3) (ac)				
Low energy precision application (LEPA) irrigation (WQT11) (no)				
Maintaining and improving forest soil quality (E666106Z2) (ac)				
Maintaining and improving forest soil quality by limiting compaction (E666107Z) (ac)				
Maintaining quantity and quality of forage for animal health and productivity (E528140Z1) (ac)				
Manage livestock access to streams/ditches/other waterbodies to reduce nutrients in surface water (E472118Z) (ft)				
Manage livestock access to streams/ditches/other waterbodies to reduce pathogens in surface water (E472122Z) (ft)				
Managed Haying/Grazing (KY201) (ac)				
Management for rangeland soil health (SQL19) (ac)				
Managing Calving to Coincide with Forage Availability (ANM26) (ac)				
Managing livestock access to water bodies/courses (WQL12) (ac)				
Managing livestock partition to coincide with forage availability (ANM64) (ac)				
Manipulate vegetation on fields where rainfall is to be captured and retained (ANM45) (ac)				
Milking Center Wastewater Treatment (796) (no)				
Mine Shaft and Adit Closing (457) (no)				
Modifications to improve soil health and increase soil organic matter (E328106Z2) (ac)				
Modify field operations to reduce particulate matter (E376128Z) (ac)				
Mole Drain (482) (ft)				
Monitor key grazing areas to improve grazing management (PLT02) (ac)				
Monitor pasture health using pasture condition scores (PCS) (PLT30) (ac)				
Monitoring and Evaluation (799) (no)				
Monitoring nutritional status of livestock using the NUTBAL PRO System (ANM17) (ac)				
Monitoring nutritional status of ruminant livestock using the NUTBAL system (ANM65) (ac)				
Monitoring Well (353) (no)				
MRBI Bundle#1 - Irrigated Cropland (B000MRB1) (ac)				
MRBI Bundle#2 - Non-Irrigated Cropland #1 (B000MRB2) (ac)				
MRBI Bundle#3 - Non-Irrigated Cropland #2 (B000MRB3) (ac)				
MRBI Bundle#4 - Cropland with Water Bodies, No till (B000MRB4) (ac)				
MRBI Bundle#5 - Cropland with Water Bodies, Reduced till (B000MRB5) (ac)				
MRBI Bundle#6 - Pastureland (B000MRB6) (ac)				

MIRB1 Bundle#7 - Rangeland (B000MIRB7) (ac)				
Mulching (484) (ac)				
Mulching for moisture conservation (WQT02) (ac)				
Mulching to improve soil health (E484106Z) (ac)				
Multi-species native perennials and native self-seeding annuals for biomass/wildlife habitat (ANM41) (ac)				
Multi-species Native Perennials for Biomass/Wildlife Habitat (ANM23) (ac)				
Multi-Story Cropping (379) (ac)				
Multi-story cropping, sustainable management of nontimber forest plants (PLT05) (ac)				
Multi-story cropping, sustainable management of non-timber forest plants (PLT22) (ac)				
Native grass or legumes in forage base to provide wildlife food (E512136Z2) (ac)				
Native grasses or legumes in forage base (E512140Z) (ac)				
Native grasses or legumes in forage base to improve plant community structure and composition (E512133Z1) (ac)				
Native grasses or legumes in forage base to improve plant productivity and health (E512132Z2) (ac)				
Nitrification inhibitors or urease inhibitors (AIR08) (ac)				
Nitrification inhibitors or urease inhibitors (AIR09) (ac)				
Nitrogen stabilizers for air emissions control (AIR02) (ac)				
No till system to increase soil health and soil organic matter content (E329106Z) (ac)				
No till system to reduce wind erosion (E329102Z) (ac)				
No till to increase plant-available moisture: irrigation water (E329114Z) (ac)				
No till to increase plant-available moisture: moisture management (E329115Z) (ac)				
No till to reduce energy (E329144Z) (ac)				
No till to reduce tillage induced particulate matter (E329128Z) (ac)				
No till to reduce water erosion (E329101Z) (ac)				
Non-Chemical Pest Mgmt for Livestock (WQL18) (ac)				
Non-forested riparian zone enhancement for fish and wildlife (ANM13) (Linear Ft/yr)				
Nutrient Management (590) (ac)	2			
Nutrient Management Plan - Applied (105) (no)				
Nutrient Management Plan - Written (104) (no)				
Obstruction Removal (500) (ac)				
Ogalla Bundle#1 (B000OGL1) (ac)				
Ogalla Bundle#2 (B000OGL2) (ac)				
On Farm Composting of Farm Organic Waste (WQL22) (ac)				

On Farm Pilot Projects (FPP02) (ac)					
On Farm Research and Demonstrations (FRD01) (ac)					
On-farm energy audit (ENR07) (no)					
On-farm forage based grazing system (ANM29) (ac)					
On-Farm Secondary Containment Facility (319) (no)					
Open Channel (582) (ft)					
Operation and Maintenance (MN200) (ac)					
Orchard and Vinyard Air Quality Management (752) (ac)					
ORGANIC SORBENTS FOR THE REMEDIATION OF OIL-CONTAMINATED SOILS (772) (no)					
Other Payment (OTP) (no)					
Pasture Bundle #2 (BPA02) (ac)					
Pasture Bundle #3 (BPA03) (ac)					
Pasture Bundle #4 (BPA04) (ac)					
Pasture Bundle #5 (BPA05) (ac)					
Pasture Bundle#1 - Organic (B000PST1) (ac)					
Pasture Bundle#2 (B000PST2) (ac)					
Pasture Bundle#3 -- Soil Health (B000PST3) (ac)					
Pasture Bundle#4 - Monarch butterfly (B000PST4) (ac)					
Pasture Grazing Bundle # 6 (Improves wildlife habitat) (BPA06) (ac)					
Pasture Grazing Bundle # 7 (Improves forage utilization) (BPA07) (ac)					
Pasture Grazing Bundle # 8 (Addresses all aspects of pasture management) (BPA08) (ac)					
Pasture Grazing Bundle # 9 (Addresses multiple resource concerns) (BPA09) (ac)					
Pasture Grazing Bundle #1 (BPA01) (ac)					
Patch Harvesting (PLT12) (ac)					
Patch-burning to enhance wildlife habitat (ANM11) (ac)					
Pathogen Management (783) (ac)					
Phosphorous Removal System (782) (no)					
Placement of hay feeding areas on low fertility soils (SQL17) (ac)					
Plant an annual grass-type cover crop that will scavenge residual nitrogen (WQL10) (ac)					
Plant Tissue Testing and Analysis to Improve Nitrogen Management (WQL04) (ac)					
Planting for high carbon sequestration rate (E612130Z) (ac)					
Pollinator Habitat Plan - Applied (147) (no)					
Pollinator Habitat Plan - Written (146) (no)					

Pond (378) (no)									
Pond Sealing and Lining, Soil Cement (740) (no)									
Pond Sealing or Lining, Bentonite Sealant (521C) (no)									
Pond Sealing or Lining, Compacted Clay Treatment (521D) (no)									
Pond Sealing or Lining, Compacted Soil Treatment (520) (sq ft)									
Pond Sealing or Lining, Concrete (522) (sq ft)									
Pond Sealing or Lining, Flexible Membrane (521A) (no)									
Pond Sealing or Lining, Soil Dispersant (521B) (no)									
Prairie Restoration for Grazing and Wildlife Habitat (ANM21) (ac)									
Precision application technology to apply nutrients (WQL11) (ac)									
Precision Land Forming (462) (ac)									
Precision Pest Control Application (718) (ac)									
Prescribed Burning (338) (ac)									
Prescribed burning for upland birds and other wildlife (ANM54) (ac)									
Prescribed Burning Plan - Applied (113) (no)									
Prescribed Burning Plan - Written (112) (no)									
Prescribed burning to promote and enhance conifer forests and maintain a healthy understory (PLT28) (ac)									
Prescribed Forestry (409) (ac)									
Prescribed Grazing (528) (ac)									
Prescribed Grazing (528A) (ac)									
Prescribed grazing that improves or maintains riparian and watershed function-erosion (E528105Z) (ac)									
Prescribed grazing that improves or maintains riparian/watershed function-elevated water temperature (E528127Z) (ac)									
Prescribed grazing that maintains/improves riparian/watershed function impairment from nutrients (E528118Z1) (ac)									
Prescribed grazing that maintains/improves riparian/watershed function-min sediment in surface water (E528126Z) (ac)									
Prescribed grazing that maintains/improves riparian/watershed function-pathogens/chemicals (E528122Z) (ac)									
Prescriptive grazing management system for grazed lands (ANM37) (ac)									
Protection of cultural resources sites with conservation cover (SOE02) (ac)									
Provide Livestock Protection Away from Sensitive Areas (WQL23) (ac)									
Prune low density pine or hardwood trees to improve tree quality and wildlife habitat (PLT25) (ac)									

	5	4	5	4
Pumping Plant (533) (no)				4
Pumping plant powered by renewable energy (ENR03) (no)				
Range Bundle #2 (BRA02) (ac)				
Range Bundle #3 (BRA03) (ac)				
Range Bundle #4 (BRA04) (ac)				
Range Bundle #5 (BRA05) (ac)				
Range Bundle#1 - Organic (B000RNG1) (ac)				
Range Bundle#2 (B000RNG2) (ac)				
Range Bundle#3 - Soil Health (B000RNG3) (ac)				
Range Grazing Bundle # 6 (Improves wildlife habitat and water quality) (BRA06) (ac)				
Range Grazing Bundle # 7 (Addresses multiple resource concerns) (BRA07) (ac)				
Range Grazing Bundle # 8 (Addresses multiple resource concerns) (BRA08) (ac)				
Range Grazing Bundle # 9 (Addresses multiple resource concerns) (BRA09) (ac)				
Range Grazing Bundle #1 (BRA01) (ac)				
Range Planting (550) (ac)				
Range planting for improving forage, browse, or cover for wildlife (E550136Z) (ac)				
Range planting for increasing/maintaining organic matter (E550106Z) (ac)				
Recreation Area Improvement (562) (ac)				
Recreation Land Grading and Shaping (566) (ac)				
Recycle 100% of farm lubricants (ENR04) (no)				
Reduce risk of pesticides in surface water by utilizing IPM PAMS techniques (E595116Z) (ac)				
Reduce risk of pesticides in surface water by utilizing precision pesticide application techniques (E595116X) (ac)				
Reduce risks of nutrient losses to surface water by utilizing precision ag technologies (E590118X) (ac)				
Reduce the concentration of nutrients imported on farm (WQL26) (ac)				
Reduce the concentration of nutrients on livestock farms (WQL15) (ac)				
Reduced tillage to increase soil health and soil organic matter content (E345106Z) (ac)				
Reduced tillage to increase plant-available moisture: irrigation water (E345114Z) (ac)				
Reduced tillage to increase plant-available moisture: moisture management (E345115Z) (ac)				
Reduced tillage to reduce energy use (E345144Z) (ac)				
Reduced tillage to reduce tillage induced particulate matter (E345128Z) (ac)				
Reduced tillage to reduce water erosion (E345101Z) (ac)				

Reduced tillage to reduce wind erosion (E345102Z) (ac)					
Reduced Water and Energy Coffee Conveyance System (737) (no)					
Reduction of attractants to human-subsidized predators in sensitive wildlife species habitat (ANM58) (no)					
Reduction of attractants to human-subsidized predators in sensitive wildlife species habitat (E645137Z) (ac)					
Regional weather networks for irrigation scheduling (WQT04) (ac)					
Regional weather networks for irrigation scheduling (WQT07) (ac)					
Rehabilitating damaged or cut over stands (PLT29) (ac)					
Remote monitoring and notification of irrigation pumping plant operation (WQT05) (no)					
Removal of all threats to sensitive wildlife species on the operation (ANM57) (ac)					
Removal of woody vegetation from rice field levees to improve habitat for nesting king rail (ANM43) (ac)					
Renewable Energy System (716) (no)					
Renovate small, shallow pothole and playa sites which may seasonally hold water (E646137X) (ac)					
Renovation of a windbreak or shelter belt, or hedgerow for wildlife habitat (PLT06) (ac)					
Replace burning of prunings and other crop residues with non-burning alternatives (AIR03) (ac)					
Replacing oil- and wood-fired heaters in orchards and vineyards (AIR06) (no)					
Residue and Tillage Management, No-Till (329) (ac)					
Residue and Tillage Management, Reduced Till (345) (ac)					
Residue and Tillage Management, Ridge Till (346) (ac)					
Residue Management, Mulch Till (329B) (ac)					
Residue Management, No-Till/Strip Till (329A) (ac)					
Residue Management, Ridge Till (329C) (ac)					
Residue Management, Seasonal (344) (ac)					
Resource conserving crop rotation for soil organic matter improvement (E328106R) (ac)					
Resource conserving crop rotation to improve soil compaction (E328107R) (ac)					
Resource conserving crop rotation to reduce water erosion (E328101R) (ac)					
Resource conserving crop rotation to reduce wind erosion (E328102R) (ac)					
Resource conserving crop rotation to relieve plant pest pressure (E328134R) (ac)					
Resource-Conserving Crop Rotation (CCR99) (ac)					
Restoration and Management of Rare and Declining Habitats (643) (ac)					
Restoration and Management of Rare or Declining Habitats (ANM22) (ac)					

Retrofit watering facility for wildlife escape (ANM18) (no)				
Retrofit watering facility for wildlife escape and enhanced access for bats and bird species (ANM38) (no)				
Riparian buffer, terrestrial and aquatic wildlife habitat (ANM33) (ac)				
Riparian Forest Buffer (391) (ac)				
Riparian forest buffer, terrestrial and aquatic wildlife habitat (ANM14) (Linear Ft./yr)				
Riparian Herbaceous Cover (390) (ac)	1			
Road/Trail/Landing Closure and Treatment (654) (ft)				
Rock Barrier (555) (ft)				
Roof Runoff Structure (558) (no)				
Roofs and Covers (367) (no)	1			
Rotation of supplement and feeding areas (WQL03) (ac)				
Row Arrangement (557) (ac)				
Salinity and Sodic Soil Management (610) (ac)				
Saturated Buffer (604) (ft)				
SE Pine Forest Bundle #1 (BFO01) (ac)				
Seasonal High Tunnel System for Crops (798) (sq ft)				
Sediment Basin (350) (no)				
Sequential patch burning (E338137Z1) (ac)				
Shallow Water Development and Management (646) (ac)				
Shallow water habitat (ANM12) (ac)				
Shellfish Aquaculture Management (706) (ac)				
Shorebird habitat, extended late season shallow water with manipulation (ANM48) (ac)				
Shorebird habitat, late season shallow water with manipulation (ANM47) (ac)				
Short Term Storage of Animal Waste and Byproducts (318) (cu ft)				
Short-interval burn (E338137Z2) (ac)				
Silvopasture Establishment (381) (ac)				
Silvopasture for wildlife habitat (ANM20) (ac)				
Silvopasture for wildlife habitat (cover and shelter) (E381137Z) (ac)				
Silvopasture for wildlife habitat (structure and composition) (E381133Z) (ac)				
Snags, den trees, and coarse woody debris for wildlife habitat (E666137Z1) (ac)				
Soil health crop rotation (SQL18) (ac)				
Soil health crop rotation (E328106Z1) (ac)				
Solar powered electric fence charging systems (ENR02) (no)				

Spill Prevention, Control and Countermeasure (SPCC) Plan - Applied (151) (no)					
Spill Prevention, Control and Countermeasure (SPCC) Plan - Written (150) (no)					
Split applications of nitrogen based on a PSNT (WQL25) (ac)					
Split nitrogen applications 50% after crop/pasture emergence/green up (WQL07) (ac)					
Spoil Spreading (572) (ac)					
Spring Development (574) (no)					
Sprinkler System (442) (ac)					
Stewardship Payment (SP) (ac)					
Stockpiling cool season forage to improve plant productivity and health (E528132Z2) (ac)					
Stockpiling cool season forage to improve structure and composition. (E528133Z1) (ac)					
Stockpiling Forages to Extend the Grazing Season (ANM25) (ac)					
Storage Facility - Nursery Substrate (802) (no)					
Stormwater Runoff Control (570) (no)					
Strategic patch burning for grazing distribution/wildlife habitat (undesirable plant pressure) (E338134Z) (ac)					
Strategically planned, patch burning for grazing distribution and wildlife habitat (fuel loading) (E338135Z) (ac)					
Stream corridor bank vegetation improvement (E580137Z) (ac)					
Stream Crossing (578) (no)					
Stream crossing elimination (E578139X) (no)					
Stream Habitat Improvement and Management (395) (ac)					
Stream habitat improvement through placement of woody biomass (E395137X) (ac)					
Streambank and Shoreline Protection (580) (ft)					
Stripcropping (585) (ac)					
Structure for Water Control (587) (no)	8	24	8	24	
Structure Sediment Removal (758) (ac-ft)					
Structures for Wildlife (649) (no)					
Subsurface Drain (606) (ft)	27,986	30,100	5	3	
Sugarbush management (E612133X3) (ac)					
Summer roosting habitat for native forest-dwelling bat species (E666137Z2) (ac)					
Surface Drain, Field Ditch (607) (ft)	4,345	4,865	6	3	
Surface Drain, Main or Lateral (608) (ft)					
Surface Roughening (609) (ac)					
Switch fuel source for pump motor(s) (E374144Z2) (no)					

TA Application (912) (no)					
TA Check-Out (913) (no)					
TA Design (911) (no)					
TA Planning (910) (no)					
Temporary Cover (MN201) (ac)					
Terrace (600) (ft)					
Toxic Salt Reduction (610) (ac)					
Trails and Walkways (568) (ft)					
Trails and Walkways (575) (ft)					
Transition from Irrigation to Dry-land Plan - Applied (135) (no)					
Transition to Organic Cropping Systems (WQL20) (ac)					
Transition to Organic Grazing Systems (WQL19) (ac)					
Tree/Shrub Establishment (612) (ac)	1				
Tree/shrub planting for wildlife cover (E612137Z) (ac)					
Tree/shrub planting for wildlife food (E612136Z) (ac)					
Tree/Shrub Pruning (660) (ac)					
Tree/Shrub Site Preparation (490) (ac)					
Ultra high density grazing system to improve soil quality (ANM30) (ac)					
Underground Outlet (620) (ft)					
Upgrade of Old Diesel Powered Pumping Plants (ENR06) (no)					
Upland Wildlife Habitat Management (645) (ac)					
Use deep rooted crops to breakup soil compaction (SQL05) (ac)					
Use drift reducing nozzles, low pressures, lower boom height and adjuvants to reduce pesticide drift (AIR04) (ac)					
Use of Cover Crop Mixes (SQL04) (ac)					
Use of legume cover crops as a nitrogen source (ENR12) (ac)					
Use of legume cover crops as a nitrogen source (WQL16) (ac)					
Use of multi-species cover crops to improve soil health and increase soil organic matter (E340106Z2) (ac)					
Use of non-chemical methods to kill cover crops (WQL17) (ac)					
Use of non-chemical methods to kill cover crops (WQL33) (ac)					
Use of SHA to assist with development of cover crop mix to improve soil health and increase SOM (E340106Z4) (ac)					
Using N provided by legumes, animal manure and compost to supply 90 to 100% of the N needs (ENR10) (ac)					

Using nitrogen provided by legumes, animal manure and compost to supply 100% of the nitrogen needs (ENR08) (ac)					
Utilize the soil health nutrient tool to assess soil nutrient pools (SQL15) (ac)					
Variable Frequency Drive Electric Motors (ENR09) (no)					
Variable speed motor-drive systems (ENR13) (no)					
VEGETATED SUBSURFACE DRAIN OUTLET (739) (ft)					
Vegetated Treatment Area (635) (ac)					
Vegetative Barrier (601) (ft)					
Vertical Drain (630) (no)					
Waste Facility Closure (360) (no)					
Waste Field Storage Area (749) (no)					
Waste Gassification Facility (735) (no)					
Waste Management System (312) (no)					
Waste Recycling (633) (ac)					
Waste Separation Facility (632) (no)					
Waste Storage Facility (313) (no)	5	5	5	5	5
Waste Transfer (634) (no)	3	22	3	3	22
Waste Treatment (629) (no)					
Waste Treatment Lagoon (359) (no)					
Water and Sediment Control Basin (638) (no)					
Water Harvesting Catchment (636) (no)					
Water Treatment Facility (724) (no)					
Water Well (642) (no)	2	1	2	2	1
Watering Facility (614) (no)	19	6	19	19	6
Waterspreading (640) (ac)					
Well Decommissioning (351) (no)					
Well Plugging (755) (no)					
Wetland Creation (658) (ac)					
Wetland Enhancement (659) (ac)					
Wetland Restoration (657) (ac)					
Wetland Wildlife Habitat Management (644) (ac)					
Wildlife corridors (ANM19) (ac)					
Wildlife Friendly Fencing (ANM27) (ft)					
Wildlife Watering Facility (648) (no)					

Windbreak/Shelterbelt Establishment (380) (ft)				
Windbreak/Shelterbelt Renovation (650) (ft)				
Woody Residue Treatment (384) (ac)				
Working Lands for Wildlife Bundle (B000WLW) (ac)				
Information				
<p>Report Purpose: Information in this report shows the planning and implementation accomplishments for all conservation. Report selection criteria include location, time period, plan/applied, CNMP, land use, and agency.</p> <p>Data Source: All data is from the National Conservation Planning Database.</p> <p>Data Updating Frequency: PRS (Bi-weekly)</p> <p>Location: Selections are available for national, regions, sub-regions where applicable, and states. National will show national grand totals for all data, subtotals for each region and state. Region will show regional total and subtotals for each state in the region. Individual state will show a state total and subtotals for each county worked.</p> <p>Geographic Granularity Currently Available: National, Regional, State, and County.</p> <p>Period (Time): The time period over which the report represents. Choices include fiscal year to date and individual quarter.</p> <p>Practice Type: Selections are provided for practices that are planned, and for practices that are applied. Default is for practices applied.</p> <p>CNMP: Selections are available for all plans, for practices included in a plan identified as a CNMP, and for practices in plans not identified as CNMP's. Default is for all plans.</p> <p>Land Use: Selections are provided for official NRCS land use categories. Land use is a term used by NRCS to identify the intent of the client with regard to the purpose to which a land unit is to be put.</p> <p>Agency: The unit of government or organization credited with achieving the recorded performance. Choices include NRCS, Conservation District, RC&D Council, State Agency, and Other, as well as Joint Partnership. Joint partnership represents that progress that is achieved by two or more of the affiliations jointly.</p>	<p>Definitions:</p> <p>Fiscal Year: Based on the federal fiscal year of October 1 to September 30. Fiscal year data is also broke into three month increments referred to as quarters (Oct-Dec, Jan-March, April-June, and July-Sept).</p> <p>Comprehensive Nutrient Management Plan (CNMP): A conservation system that is unique to animal feeding operations. It includes a set of conservation practices and management activities that address natural resource concerns dealing with manure and organic by-products, and their potential impacts on water quality. A CNMP addresses the following elements: 1. Manure and Wastewater Handling and Storage; 2. Land Treatment Practices; 3. Nutrient Management; 4. Recordkeeping; 5. Feed Management; and, 6. Other Utilization Activities. A CNMP would be constructed to meet specific criteria for the first four elements. The last two elements are planning considerations and do not have a specific set of criteria associated with them.</p> <p>Conservation Practice: A specific treatment, such as a structural or vegetative measure, or management technique, commonly used to meet specific needs in planning and implementing conservation, for which standards and specifications have been developed. Conservation practices are contained in the FOTG, Section IV, which is based on the National Handbook of Conservation Practices (NHCP).</p> <p>National Handbook of Conservation Practices (NHCP): An NRCS Document establishing national standards for conservation practices commonly used to treat natural resource problems associated with soil, water, air, plants and animals. These standards are further defined in local Field Office Technical Guides to establish the specific standards for local conditions.</p> <p>Field Office Technical Guide (FOTG or e-FOTG): Technical guides are primary technical references for NRCS. They contain technical information about the conservation of soil, water, air, plant, and animal resources. Technical guides used in any office are to be localized so that they apply specifically to an identified geographic area. These documents are referred to as Field Office Technical</p>			

<p>Map Description: The shaded polygon map shows the distribution (in "units" by county) of the selected practice applied through assistance provided by the conservation partnership.</p> <p>Uses: This report can be used to determine broad distribution trends in service provided to customers by the conservation partnership.</p> <p>Cautions: This report does not show sufficient detail to enable evaluation of site-specific conditions (e.g., privately-owned farms and ranches) and is intended to reflect general trends.</p> <p>Data Quality and Validation: Data contained within this report are continually undergoing review and validation and are subject to change without notification.</p> <p>Information: This report was generated on Thursday, August 25, 2016. The report database was last updated on Thursday, August 25, 2016 5:28 AM.</p> <p>For additional information, PRS Help is available on the official PRMS website at https://prs.sc.egov.usda.gov/prsdataentry/</p>	<p>Guides (FOTG's) or, electronically as e-FOTG's.</p>
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September 28, 2016

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

RECOMMENDATION

It is recommended that the Board accept the minutes of the Conservation Committee Meeting held on August 31, 2016.

Summary

The Board has requested a monthly summary of committee meetings. No committee meetings were held in the month of July and a Conservation Committee Meeting was held on August 31, 2016.

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 Chairman Chuck Dawson. The committee meeting minutes shall be accepted by the FRCD Board of Directors.

Present Situation

No committee meetings were held in the month of July and a Conservation Committee Meeting was held on August 31, 2016 (meeting minutes are attached).

FINANCIAL SUMMARY

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

September 28, 2016

COMMITTEE MEETINGS

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Respectfully Submitted,



STEFANI PHILLIPS,
BOARD SECRETARY

Attachment

**Minutes of the Special Meeting of the Conservation Committee
of the
Florin Resource Conservation District Board of Directors**

Wednesday, August 31, 2016

Attendance:

Committee Members: Tom Nelson, Vice Chairman
 Elliot Mulberg, Director
 Jeanne Sabin, Director
 Mike Schmitz, Associate
Staff: Mark J. Madison, General Manager
 Stefani Phillips, Board Secretary
Public: None

This was a posted meeting and no members of the public were present.

1. Potential Conservation Activities and Funding Opportunities for the Florin Resource Conservation District

Mark J. Madison, General Manager provided background of the Board's direction for potential conservation activities and funding opportunities for the Florin Resource Conservation District.

Mr. Madison attended a meeting on August 17, 2016 regarding the American River Stormwater Integrated Resource Plan and provided information from that meeting to the board. Mr. Madison explained the timeline and stated that in-kind services will be from September 2016 to October 2017. He stated this timeframe would allow time to prepare for the Stormwater Plan which will be proposed to the state. He then stated in January 2018 grant funding can be collected, but there is no guarantee.

Vice-Chairman Tom Nelson provided background on Dry Well Tours held on August 17, 2016. He stated that the District has had conversations with the City of Elk Grove (City) and the City is interested in Dry Wells.

Mr. Madison specified that the Dry Wells project has been an expensive project for the City and that the City received a \$500,000 grant.

Mr. Madison commented that the Elk Grove Florin Street Scape Improvement Project grant monies will not be available for 2 more years.

Director Jeanne Sabin inquired where the City obtained their grant money. Mr. Madison responded stating that he thinks the City received their grant money from California Environment Protection Agency (CalEPA), but he will verify and get back to the board.

Vice-Chairman Nelson provided background on the Districts meeting with Supervisor Don Notolli on August 22, 2016.

Mr. Madison provided additional details regarding proposed projects with Mather Air Force Base (Mather). He stated that details came from the general plan amendment regarding the lack of environmental aspects related to the Mather projects and developments.

Mr. Madison gathered a list of proposed projects from Supervisor Notolli and they are listed as follows: Habitat Conservation Plan (HCP), Jackson Corridor Projects (Mather South Community Master Plan, NewBridge Specific Plan, Jackson Township Specific Plan, and West Jackson Highway Master Plan), and a potential park off Florin Road and Excelsior Road.

Mr. Madison provided information to the board regarding his phone discussion he had with Leighann Moffitt (Planning Director with Sacramento County) on Monday, August 29, 2016. During the phone conversation, Ms. Moffitt implied there is no need for another governmental agency to intercede with the HCP. Ms. Moffitt recommended Mr. Madison to speak with Todd Smith (Principal Planner with Sacramento County) to discuss further.

Mr. Madison provided information to the committee regarding his phone discussion with Mr. Smith. Mr. Smith stated that the county is already contracted with the Center for Lands Management, which is a nonprofit agency, to work on the preservation of the Mather land and potentially other land within the District boundaries. Other discussions that were had was the Southgate and Cordova Districts relating to park trails and maintenance. Southgate is interested in helping to maintain their trail system, but Cordova is not. Mr. Madison does not know where the Cordova boundaries are but thinks it is interlinked with HCP developments.

Supervisor Notolli stated the funding for preservation is not easy to come by.

Mr. Madison indicated that one identified need is to control stinkwort.

Mr. Madison commented to the committee that the best option for the FRCD would be groundwater recharge.

A discussion regarding used water for groundwater recharge occurred.

Director Elliot Mulberg inquired who would benefit from recharged water. Vice-Chairman Nelson responded stating that the county and developers would benefit from recharged water. Mr. Madison responded stating every resident in the region would.

Mr. Madison commented that the District is partnered with RWA to form a water bank or Aquafer Storage and Recovery (ASR) program. He then stated that land base assessments could be in place under the notion everyone derives benefit from a health and stable groundwater basin. Mr. Madison stated that this would be a 10 year project.

Mr. Madison provided background to the board regarding his discussion with Dwane Coffey that was held on August 30, 2016. Two sources of funding that were discussed was Environmental Quality Improvement Plan (EQUIP) and Regional Conservation Partnership Program (RCPP). EQUIP is desirable because there is no matching requirement. RCPP has a 50/50 match but Mr. Madison stated that the District can use in-kind services to make up the match.

Mr. Madison provided background to the board regarding his discussion with Amanda Platt. He stated, two topics that were discussed: The National Center for Appropriate Technology

and baseline funding from the state. Mr. Madison talked about a potential partnership with the Sloughhouse RCD.

Mr. Madison stated he still needs to talk to the Building Industry Association (BIA). Director Mulberg inquired if there are any projects that the District can participate in. He then recommended the District look at other types of funding.

Vice-Chairman Nelson commented that the Department of Water Resources (DWR) has monies for activities for wetlands.

Director Mulberg inquired if there are any reclamation districts in our area. Vice-Chairman Nelson responded stating yes. A discussion occurred regarding reclamation activities and the possibility of partnership. Mr. Madison commented that he likes this idea of partnering with reclamation districts and then provided examples of how the FRCD could participate with this idea. Director Mulberg listed off possible reclamation districts for the FRCD to look into (#744, #755, #813, and #551).

Director Mulberg commented, "Looking farther down the road, if we don't find anything, and there's nothing out there, I think the board needs to have a discussion on whether or not they will continue to fund the FRCD or if they want to continue at all."

Director Sabin commented that there is a combined Stormwater collection system for Downtown Sacramento. She suggested to decrease the load to the waste water treatment plant for the large group plan.

Next Conservation Committee Meeting to be determined.

Respectfully submitted,

Stefani Phillips

Stefani Phillips, Secretary

SP/CR

September 28, 2016

TO: Chairman and Directors of the Florin Resource Conservation District

FROM: Mark J. Madison, General Manager

SUBJECT: **FLORIN RESOURCE CONSERVATION DISTRICT CONSERVATION
ACTIVITIES REPORT**

RECOMMENDATION

This information is provided for information only. No action by the Board is requested at this time.

Summary

Most of the work conducted on FRCD-related matters involved the exploration of potential development mitigation activities. Staff also expended efforts to research dry well construction, including working with the American River Basin Stormwater Resource Planning group funded by a Proposition 1 grant, and began researching the potential for urban farming in Elk Grove.

DISCUSSION

Background

The Board has requested a monthly summary of Florin Resource Conservation District (FRCD) conservation activities performed by the Board and staff.

Present Situation

On July 27, 2016, the FRCD Board voted to not file an application to become a Groundwater Sustainability Agency for the FRCD jurisdictional area. The Board also directed the General Manager to pursue dry wells and potential mitigation activities related to new developments.

On August 18, General Manager Mark Madison and Associate Director Lisa Medina attended the American River Basin Stormwater Resource Planning kickoff meeting. This effort, which is funded through a Proposition 1 grant, is intended to develop an American River Basin Integrated Stormwater Resources Plan (ARB SWRP) that will be linked to and included with the American River Integrated Regional Water Management Plan (AR IRWMP). This effort is being led by the Sacramento State Office of Water Planning,

FLORIN RESOURCE CONSERVATION DISTRICT CONSERVATION ACTIVITIES REPORT

Page 2

working closely with the Regional Water Authority, and includes engagement from 21 project collaborators, including the FRCD. A complete list of the project collaborators can be found on slide 3 of the attached kickoff meeting slides (Attachment 1) provided at that meeting.

The longer term goal of the ARB SWRP is to develop a plan that will assist this region in obtaining Proposition 1 implementation grants funds. Engagement by the FRCD is to hopefully obtain grant funding that will enable the construct of dry wells, or other facilities, intended to recharge stormwater into the groundwater basin.

On August 18, Vice-Chair Tom Nelson and Assistant General Manager Bruce Kamilos participated in a tour of the two dry wells installed by the City of Elk Grove. These dry wells have been constructed, one at a detention facility and the other at their Corporation Yard, as a pilot project to evaluate the cost and benefits of dry wells as a means of groundwater recharge. These projects were initially funded by a \$489,856 grant through the Prop 84 Storm Water Grant Program, however the costs incurred by the City of Elk Grove have greatly exceeded that amount.

The Elk Grove staff also disclosed that they may consider the construction of additional dry wells, perhaps five to seven more dry wells, as part of a streetscape improvement project on Elk Grove-Florin Blvd, south of Elk Grove Blvd. This project is still in the development phase and no final determinations have been made on these dry wells by the City Council.

On August 22, Vice-Chair Tom Nelson and General Manager Mark Madison met with Sacramento Supervisor Don Notolli to explore possibilities for the FRCD to engage with developments needing to mitigate their projects. Specifically, contact information was sought to learn more about these activities, including wetlands preservation and enhancement linked to the Sacramento County General Plan Amendment for the Mather Air Force Base (Mather AFB).

Pursuant to this meeting, Mark Madison contacted several Sacramento County staff, including the Planning Director, Leighanne Moffitt, to obtain additional information about these possibilities. Based on the information received, it appears that many of the plans area already in place. In fact, relative to the environmental construction and management activities related to the redevelopment of the Mather AFB, Sacramento County has or will be contracting with the Center for Natural Lands Management for that purpose.

On August 23, Mark Madison discussed with Director Elliot Mulberg the status and prospects of AB 2389, which if approved may provide the FRCD the ability to revise their

FLORIN RESOURCE CONSERVATION DISTRICT CONSERVATION ACTIVITIES REPORT

Page 3

voting process from an at-large to a district-by-district basis. If signed by the Governor, this law could go into effect on January 1, 2017.

On August 31, The FRCD Conservation Committee met to further discuss potential conservation activities for the FRCD. At this meeting, Vice-Chair Tom Nelson and General Manager Mark Madison provided the Committee with a status report, including a more detailed discussion of the items mentioned above. Mr. Madison also indicated that he had not yet identified a need for the FRCD that included an adequate source of revenue to meet that need.

More recently, and in response to a request made by Director Elliot Mulberg, staff began investigating the potential for urban farming in Elk Grove. Last month, the City Council entertained the concept and appears to be very supportive of the concept. More specifically, and based on a discussion with City staff, the City of Elk Grove may entertain this possibility as part of their General Plan Update which is underway and slated for approval next year. If approved, the City would allow this as a policy but would not necessarily begin actual farming efforts on their own.

The General Manager, Mark Madison, conducted more research on this topic and learned that the City of West Sacramento not only allows for urban farming, but they have a contract with the Center for Land Based Learning (The Center) who leases one ½ acre parcel of urban land and is farming it and selling produce to local outlets including farm stands and local stores. The Center, operated out of Winters California, also leases four parcels from other parties and are initiating urban farming on those as well.

It was also learned, in-part, that these urban farming enterprises are not able to fully recover their costs and The Center must pay for labor through the acquisition of grants. In the earlier discussion with Elk Grove staff, it was expressed that the City may be interested in a similar arrangement with the FRCD, but they first must adopt a revised General Plan policy that allows for urban farming. FRCD staff will continue to research this potential activity.

STRATEGIC PLAN CONFORMITY

Participation in regional conservation is in conformity with the District's conservation and cooperative program goals of the 2012-2017 Strategic Plan.

September 28, 2016

**FLORIN RESOURCE CONSERVATION DISTRICT CONSERVATION ACTIVITIES
REPORT**

Page 4

FINANCIAL SUMMARY

There is no direct financial impact associated with this report.

Respectfully submitted,



MARK J. MADISON
GENERAL MANAGER

Attachment

American River Basin Storm Water Resource Plan (ARB SWRP)

Kickoff Meeting

August 18, 2016

1

AGENDA

1. Introductions
2. Storm Water Resource Plans
3. Nomenclature
4. Approach
5. Roles
6. Schedule
7. Time Tracking and Reporting

2

INTRODUCTIONS

- ✓ Today's Intent
- ✓ Project Funding
 - Prop 1 Stormwater Grant
 - In-kind Services
- ✓ Project Collaborators

<ul style="list-style-type: none"> • VFWC • City of Sacramento • City of Roseville • RWA • County of Sacramento • SAFCA • OWP @ Sac State • Florin RCD/Elk Grove Water Service 	<ul style="list-style-type: none"> • City of Rancho • City of Rocklin • City of Lincoln • City of Folsom • City of Elk Grove • City of Citrus Heights • Placer County • SSQP Consultant • Vineyard Area 	<ul style="list-style-type: none"> Citizens for Responsible Growth • City of Auburn • Town of Loomis • Sacramento Central GWA • Consumnes Coalition
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------
- ✓ Today's Attendees

3

STORMWATER RESOURCE PLANS

- ✓ Manages runoff on a watershed scale
 - Stormwater and dry weather runoff
- ✓ Required by Water Code §10563 /Senate Bill 985
 - Incentive to use runoff as a resource :
 - ❖ Improve water quality
 - ❖ Reduce localized flooding
 - ❖ Increase water supplies for beneficial uses
 - Required to receive grants
- ✓ Must submit to regional IRWMP

4

STORMWATER RESOURCE PLANS

- ✓ Plan requirements
 - Define Watershed(s)
 - Involve Stakeholders
 - Identify Water Quality Compliance Needs
 - Quantify Benefits for:
 - ❖ Water Quality
 - ❖ Water Supply
 - ❖ Flood Management
 - ❖ Environmental
 - ❖ Community
 - Identify and Prioritize Projects
 - Describe Implementation

5

NOMENCLATURE

- ✓ ARB IRWMP and SWRP
 - Not exclusive to American River Basin; “ARB” merely links SWRP to regional IRWMP
- ✓ Stakeholders and Project Collaborators
 - Stakeholders: agencies, non-profits, private utilities, public
 - Collaborators: stakeholders providing in-kind services
- ✓ SWRP Elements and Provisions
 - Elements: Topics required by SWRP Guidelines, Appendix A
 - Provisions: Sub-elements required by Appendix A
- ✓ Multiple Benefits
 - Water quality, stormwater capture and use, water supply and flood management, environmental, community

6

APPROACH

✓ Plan Organization

- Based on SWRP Guidelines, Appendix A
- Stand alone document
- SWRP Elements
 - ❖ Watershed Identification
 - ❖ Organization, Coordination, Collaboration (during plan development)
 - ❖ Water Quality Compliance
 - ❖ Quantitative Methods (for multiple benefits)
 - ❖ Identification and Prioritization of Projects
 - ❖ Implementation Strategy and Schedule
 - ❖ Education, Outreach, Public Participation (during plan implementation)

7

APPROACH

✓ Plan Content

- Watershed Identification
 - ❖ 6 watersheds from ARB IRWMP
- Organization, Coordination, Collab.
 - ❖ Monthly planning meetings
 - ❖ Presentations at IRWMP meetings
 - ❖ Postings on OPTI website
 - ❖ Briefings for Water Forum Successor Effort
- Water Quality Compliance
 - ❖ TMDL & NPDES/MS4 permits



8

APPROACH

✓ Plan Content, continued

- Quantitative Methods
 - ❖ Tool box of spreadsheet calculations
 - ❖ Modify existing tools (e.g. LID Sizing Tool)
- Identification and Prioritization of Projects
 - ❖ Develop maps, define process, identify opportunities
- Implementation Strategy and Schedule
 - ❖ Use IRWMP OPTI to share/track info
- Education, Outreach, Public Participation
 - ❖ Use OPTI to include/inform stakeholders
 - ❖ Follow other IRWMP processes

9

APPROACH

✓ Meetings

- Topics based on checklist items from Appendix A
- OWP presents existing resources and future needs to address Appendix A provisions (e.g., tools and maps)
- Collaborators discuss and comment
- OWP refines details and presents at next meeting
- Some meetings will be dedicated to comments on draft plans

✓ Plan Writing, Review, and Submittal

- ~4 internal drafts
- Final submitted for inclusion in ARB IRWMP

10

ROLES

- ✓ OWP
 - Manage grant agreement, including deliverables
 - Facilitate meetings
 - Develop tools and maps
 - Conduct stakeholder outreach
 - Write plan, track comments, submit final to RWA
- ✓ Regional Water Authority
 - Update OPTI to include SWRP
 - Accept final SWRP for inclusion in IRWMP
- ✓ Collaborators
 - Prepare for and attend meetings
 - Supply requested information (maps, permits, etc.)
 - Comment on SWRP drafts

11

SCHEDULE

- ✓ Aug 2016
 - Kickoff meeting
- ✓ Sept 2016 – Oct 2017
 - Planning meetings
 - Develop tools and maps
 - Conduct stakeholder outreach
 - Write and review drafts
- ✓ Nov 2017 – Dec 2017
 - Submit final plan for IRWMP inclusion
- ✓ Jan 2018 – Summer 2018
 - Prepare projects for Prop 1 Round 2 Grants

12

TIME TRACKING

- ✓ Use spreadsheet provided by OWP
- ✓ Submit to OWP by fifth of each month
 - E.g., Feb 5
- ✓ OWP will send monthly reminder

13

Questions ???

Maureen Mathias Kerner
916-278-8117
Maureen.Kerner@owp.csus.edu

Christian Carleton
916-278-8128
Christian.Carleton@owp.csus.edu

14

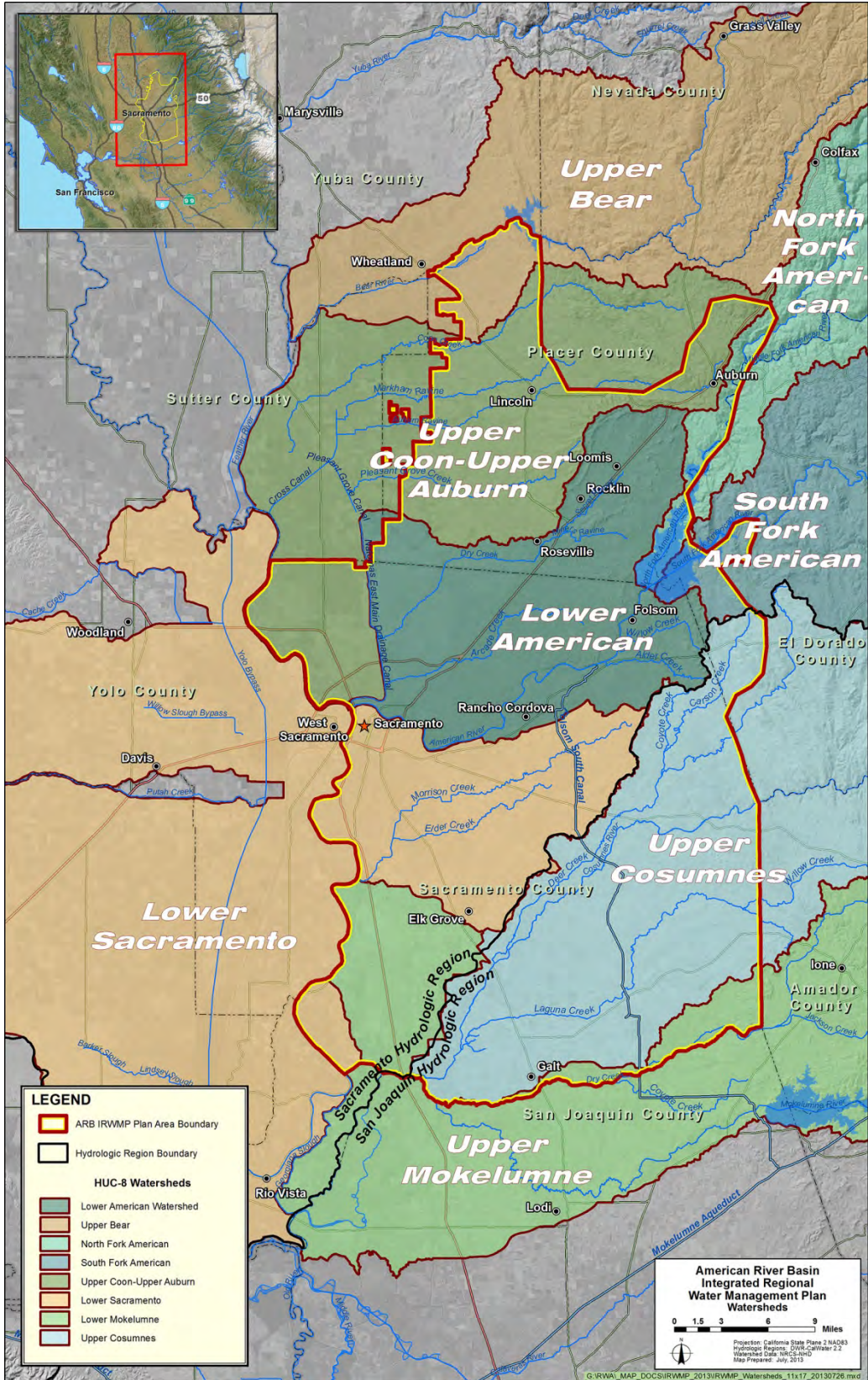


Figure 2-2. Watersheds and Surface Water Bodies

September 28, 2016

TO: Chairman and Directors of the Florin Resource Conservation District

FROM: Mark J. Madison, General Manager

SUBJECT: **WATER USAGE REPORT AND CONTINUATION WITH THE NORMAL WATER STAGE OF THE ELK GROVE WATER DISTRICT WATER SHORTAGE CONTINGENCY PLAN**

RECOMMENDATION

It is recommended that the Board of Directors of the Florin Resource Conservation District continue the Elk Grove Water District at the Normal Water Stage of the Elk Grove Water District's Water Shortage Contingency Plan.

Summary

Service Area 1 reduced its water consumption by 25.6% in July in comparison to July 2013 usage. Service Area 2 reduced by 14.2% for the same period. The combined July reduction for both service areas was 21.7%.

Service Area 1 reduced its water consumption by 22.5% in August in comparison to August 2013 usage. Service Area 2 reduced by 15.2% for the same period. The combined August reduction for both service areas was 20.0%.

On May 25, 2016, the Board implemented the Normal Water Stage of the Elk Grove Water District's Water Shortage Contingency Plan. Based on the continued water savings by Elk Grove Water District customers, compared to 2013, staff recommends that the Normal Water Stage be continued.

DISCUSSION

Background

On May 9, 2016, Governor Brown issued an Executive Order adjusting water conservation regulations through the end of January 2017. On May 18, 2016, the State Water Resources Control Board (SWRCB) adopted emergency regulations in compliance with the Governor's Order and for continued statewide urban water conservation, revising certain requirements of urban water suppliers and these new requirements went into effect on June 1, 2016.

The new regulations adopted by the SWRCB require water agencies to self-certify their ability to sustain adequate water supplies for another three years of drought. Based on

WATER USAGE REPORT AND CONTINUATION WITH THE NORMAL WATER STAGE OF THE ELK GROVE WATER DISTRICT WATER SHORTAGE CONTINGENCY PLAN

Page 2

the requirements in the regulations, the Elk Grove Water District (EGWD) is able to achieve compliance with a zero percent conservation requirement for the duration of this order.

On May 25, 2016, the EGWD Board adopted Ordinance No. 05-25-16-01 amending the Water Shortage Contingency Plan's Normal Water Supply Stage and ordering the implementation of the Normal Water Supply Stage from Stage 2 Plus. During the discussion of that item, the General Manager Mark Madison indicated that staff would revisit this decision with the Board at the September Board meeting, after summer usage data was collected.

The Water Shortage Contingency Plan – Normal Water Supply Stage (Attachment 1) does not include watering day and time restrictions. This stage reflects a concept that, during normal supply conditions, customers should not be restricted in their water use, but they should be prohibited from wasting water. The new Normal Water Supply Stage also continues to prohibit water waste and these are subject to enforcement and the penalties prescribed for that stage.

Present Situation

At the May 25, 2016 Board meeting, the Board directed staff to continue to monitor and track our water use reductions going forward. Staff has prepared the attached Water Usage Summaries for July 2016 and August 2016 (Attachments 2 and 3, respectively) and these follow the same format as those previously provided to the Board.

Each month, the Regional Water Authority (RWA) also prepares a summary of the water savings by each of the participating members of RWA. The summary for August 2016 was not available as of the preparation of this report, but staff expects to have it available at the September 28 Board meeting.

For the EGWD, water conservation by EGWD customers has continued with a reduction of over 20% compared to the same customer usage period in 2013. It is important to note that this level of conservation has been achieved entirely through voluntary efforts. As can also be seen in the July and August Operations reports, there does not seem to be any abnormal effects on the static water levels in the groundwater basin in our area as a result of the drought.

September 28, 2016

**WATER USAGE REPORT AND CONTINUATION WITH THE NORMAL WATER
STAGE OF THE ELK GROVE WATER DISTRICT WATER SHORTAGE
CONTINGENCY PLAN**

Page 3

For these reasons, staff recommends that the Board continue with the Normal Water Supply Stage of the EGWD Water Shortage Contingency Plan.

STRATEGIC PLAN CONFORMITY

Compliance with State regulations is in conformity with the District's Business Practice goals of the 2012-2017 Strategic Plan.

FINANCIAL SUMMARY

There is no direct financial impact associated with this report.

Respectfully submitted,



MARK J. MADISON
GENERAL MANAGER

Attachments

ELK GROVE WATER DISTRICT

Water Shortage Contingency Plan – Stages of Action

NORMAL WATER SUPPLY – No shortage exists. No extraordinary water conservation regulations exist.

The following practices that waste potable water are **prohibited**:

- **Runoff** – Irrigation shall not be allowed to run off to adjoining properties or to the roadside ditch or gutter.
- **Watering after a Rainfall Event** – No irrigation shall be allowed for 48 hours after a measurable rainfall event. A measurable rainfall event shall be defined as an event having 0.10 inches of rain in one day.
- **Hoses** – Open hoses are not permitted. Automatic shutoff nozzles are required.
- **Washing driveways and other paved areas** – Use of water to clean sidewalks, driveways, patios, or other hardscapes is not permitted. Washing of streets and commercial parking lots with a hose is not permitted, except to alleviate immediate fire or sanitation hazards.
- **Pools, ponds and fountains** – All swimming pools, ponds, fountains, or other decorative water feature shall use recirculated water.

PENALTIES FOR WATER WASTING

- **First violation** – Customer is notified of violation
- **Second violation** – Written warning sent to customer
- **Subsequent violation** – \$100 fine

In addition, the following practices are **encouraged**:

- **Irrigation** – Limit landscape irrigation to not more than 3 days a week
- **Irrigation hours** – Landscaping irrigation is discouraged between the hours of 12:00 p.m. and 6:00 p.m. during the summer months (May – October).
- **Serving of Water** – Restaurants shall serve water to customers only upon request.
- **Water Leaks** – Leaking pipes, fixtures or sprinklers shall be repaired promptly.

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					
	Purchased (SA2)	27,516,676	26,507,624	27,531,636	34,054,196	51,071,196	75,541,268	96,246,656					
	Total	82,096,355	79,963,317	84,307,661	114,371,851	162,008,534	224,059,928	261,005,119	0	0	0	0	0
	% Reduction	19.53%	28.79%	38.68%	34.09%	37.71%	24.63%	21.73%	100.00%	100.00%	100.00%	100.00%	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

Consumption

Service Area 2	# Accts	CCF	Gallons
2016 Jan	4,269	36,787	27,516,676
Feb	4,268	35,438	26,507,624
Mar	4,269	36,807	27,531,636
Apr	4,269	45,527	34,054,196
May	4,269	68,277	51,071,196
Jun	4,269	100,991	75,541,268
Jul	4,269	128,672	96,246,656
Aug		0	0
Sep		0	0
Oct		0	0
Nov		0	0
Dec		0	0

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				
	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				
	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	0	0	0	0
	% Reduction	19.53%	28.79%	38.68%	34.09%	37.71%	24.63%	21.73%	19.96%	100.00%	100.00%	100.00%	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.
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 Calc'd Jan. 2013 Prod. = (Feb. 2013 Prod. Data Actual / Feb. 2013 Prod. Data Actual) x Jan. 2013 Prod. Data Actual = 68,254,916

Service Area 2

2016 Jan	# Accts	Consumption	
		CCF	Gallons
2016 Jan	4,269	36,787	27,516,676
Feb	4,268	35,438	26,507,624
Mar	4,269	36,807	27,531,636
Apr	4,269	45,527	34,054,196
May	4,269	68,277	51,071,196
Jun	4,269	100,991	75,541,268
Jul	4,269	128,672	96,246,656
Aug	4,270	125,658	93,992,184
Sep		0	0
Oct		0	0
Nov		0	0
Dec		0	0

September 28, 2016

TO: Chairman and Directors of the Florin Resource Conservation District

FROM: Mark J. Madison, General Manager

SUBJECT: **ELK GROVE WATER DISTRICT OPERATIONS REPORTS – JULY AND AUGUST 2016**

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 during both July and August, 2016. 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 July and August 2016 Operations Reports.

Present Situation

The EGWD July 2016 Operations Report highlights are as follows:

- **Operations Activities Summary** – Notable items in the activities summary are that the District hung 414 door hangers for past due balances which resulted in 40 shutoffs.
- **Production** – Well 13 remained offline while staff worked to reduce the arsenic levels in that well. The Combined Total Service Area 1 production graph on page

ELK GROVE WATER DISTRICT OPERATIONS REPORT – JULY AND AUGUST 2016

Page 2

13 shows that production during the month of July increased compared to July 2015, but is 25.56 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 July, compared to July 2013, was down by 21.73 percent.

- **Static and Pumping Level Graphs** – The third quarter soundings are shown and indicate the static water levels in deeper zones have slightly improved 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 July:
 - Staff completed a safety assessment of the Railroad WTP with temporary safety officer.
 - Staff troubleshoot and repaired an operational malfunction of one of the filter vessel flow control valves.
 - Staff replaced the flush valve on the pneumatic tank at Well 3 Mar-Val.
- **Backflow Prevention Program 2016** – There were 166 notices issued for the month. From the initial testing notice, 122 devices passed and 9 devices failed. Of those failed devices, all but 2 have passed. There were 32 secondary notices issued, of which we have received 12 passing tests. There are a total of 22 outstanding devices as of this report which will require further investigation.
- **Safety Meetings/Training** – There were 5 safety training sessions conducted for the month. Only 2 safety sessions are required by OSHA standards.
- **Service Line Replacement Map** – The District installed no service lines for residential services in the month of July.
- **Service and Main Leaks Map** – There were no main line leaks and only 1 service line leak reported for the month.

**ELK GROVE WATER DISTRICT OPERATIONS REPORT – JULY AND AUGUST
2016**

Page 3

The EGWD August 2016 Operations Report highlights are as follows:

- **Operations Activities Summary** – Notable items in the activities summary are that the District hung 666 door hangers for past due balances which resulted in 60 shutoffs.
- **Production** – Well 13 remained offline while staff worked to reduce the arsenic levels in that well. The Combined Total Service Area 1 production graph on page 13 shows that production during the month of August increased compared to August 2015, but is 22.51 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 August, compared to August 2013, was down by 19.96% percent.
- **Static and Pumping Level Graphs** – The third quarter soundings are shown and indicate the static water levels in deeper zones have slightly improved 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. Staff assembled and distributed the tri-annual Lead and Copper sampling notification letters and bottles.
- **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 August:
 - Staff troubleshot and replaced two of the backwash return pump silent check valves.
- **Backflow Prevention Program 2016** – There were 94 notices issued for the month. From the initial testing notice, 62 devices passed and 4 devices failed. Of those failed devices, only 2 devices have passed. There were 30 secondary notices issued, of which we have received zero passing tests. There are a total of 36 outstanding devices as of this report which will require further investigation.

**ELK GROVE WATER DISTRICT OPERATIONS REPORT – JULY AND AUGUST
2016**

Page 4

- **Safety Meetings/Training** – There were 6 safety training sessions conducted for the month. Only 2 safety sessions are required by OSHA standards.
- **Service Line Replacement Map** – The District installed 6 service lines for residential services in the month of August.
- **Service and Main Leaks Map** – There were no main line leaks and 3 service line leak reported for the month.

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, P.E.
GENERAL MANAGER

MJM/ah

EGWD

OPERATIONS REPORT

July 2016



Elk
Grove
Water
District



Elk Grove Water District

Operations Report

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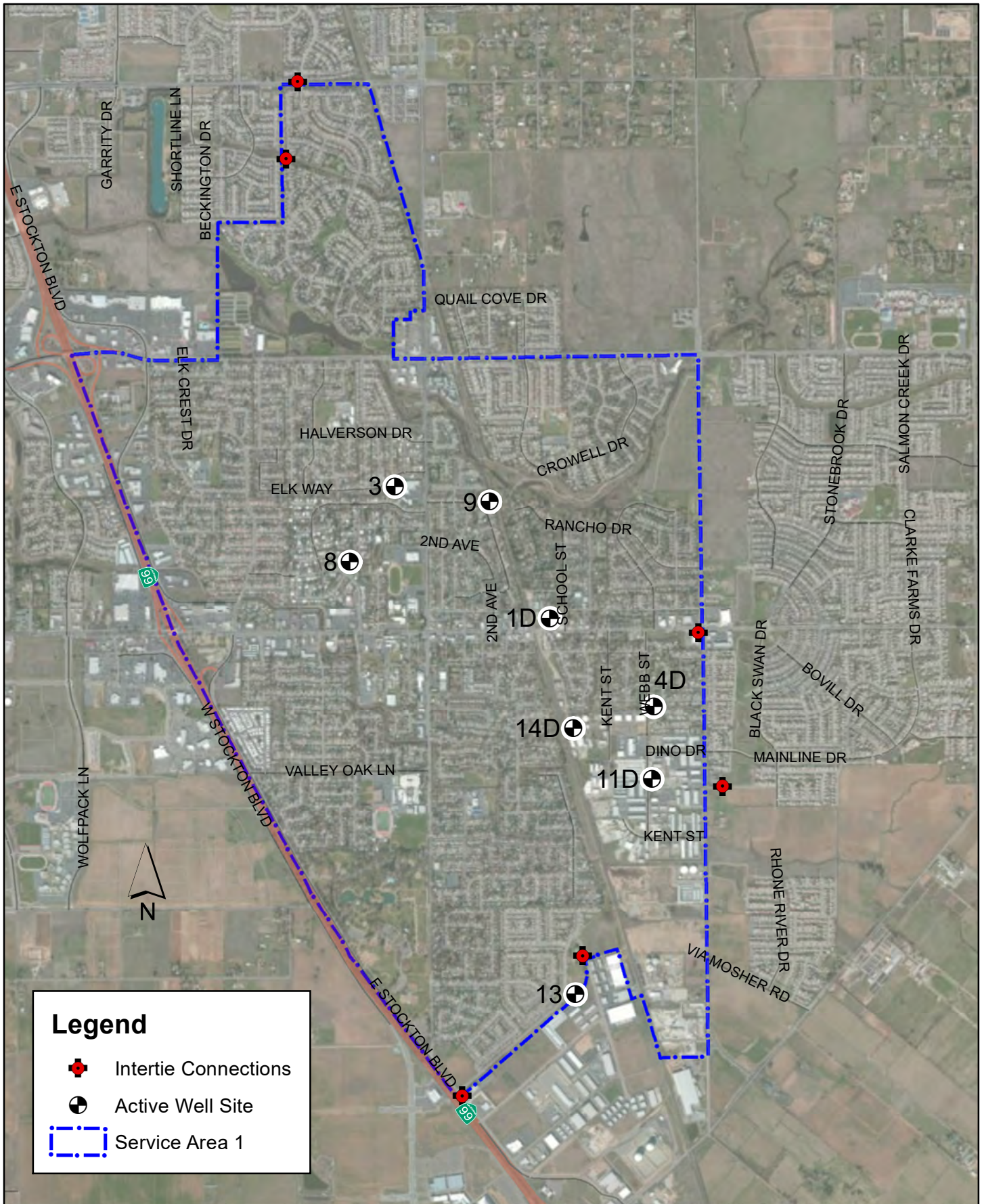
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Operations Activities Summary

<u>Service Requests:</u>	Jul-16		YTD (Since July 1, 2016)	
<u>Department</u>	<u>Service Request</u>	<u>Hours</u>	<u>Service Request</u>	<u>Hours</u>
Distribution				
Door Hangers	414	22.75	414	22.75
Shut offs	40	11	40	11
Turn ons	44	9.75	44	9.75
Investigations	44	25.5	44	25.5
USA Locates	139	34.75	139	34.75
Customer Complaints				
-Pressure	5	3.75	5	3.75
-Water Quality	4	3.25	4	3.25
-Other	0	0	0	0

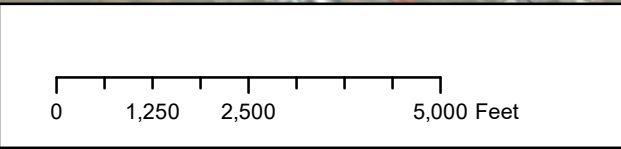
<u>Work Orders:</u>	Jul-16		YTD (Since July 1, 2016)	
<u>Department</u>	<u>Work Orders</u>	<u>Hours</u>	<u>Work Orders</u>	<u>Hours</u>
Treatment:				
Preventative Maint.	13	36	13	36
Corrective Maint.	4	52	4	52
Water Samples	12	30	12	30
Distribution:				
Meters Installed	0	0	0	0
Backflow Devices Installed	0	0	0	0
Preventative Maint.				
-Hydrant Flushing Program	0	0	0	0
-Hydrant Maintenance	97	27.5	97	27.5
-Valve Exercising	108	43	108	43
-Other	25	31.25	25	31.25
Corrective Maint.				
-Leaks	1	15	1	15
-Other	27	68.5	27	68.5
Valve Locates	2	29	2	29
Utility:				
Service Line Replacement	0	0	0	0
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 -- July 2016

Selected Month Production
15,217,852 Gallons

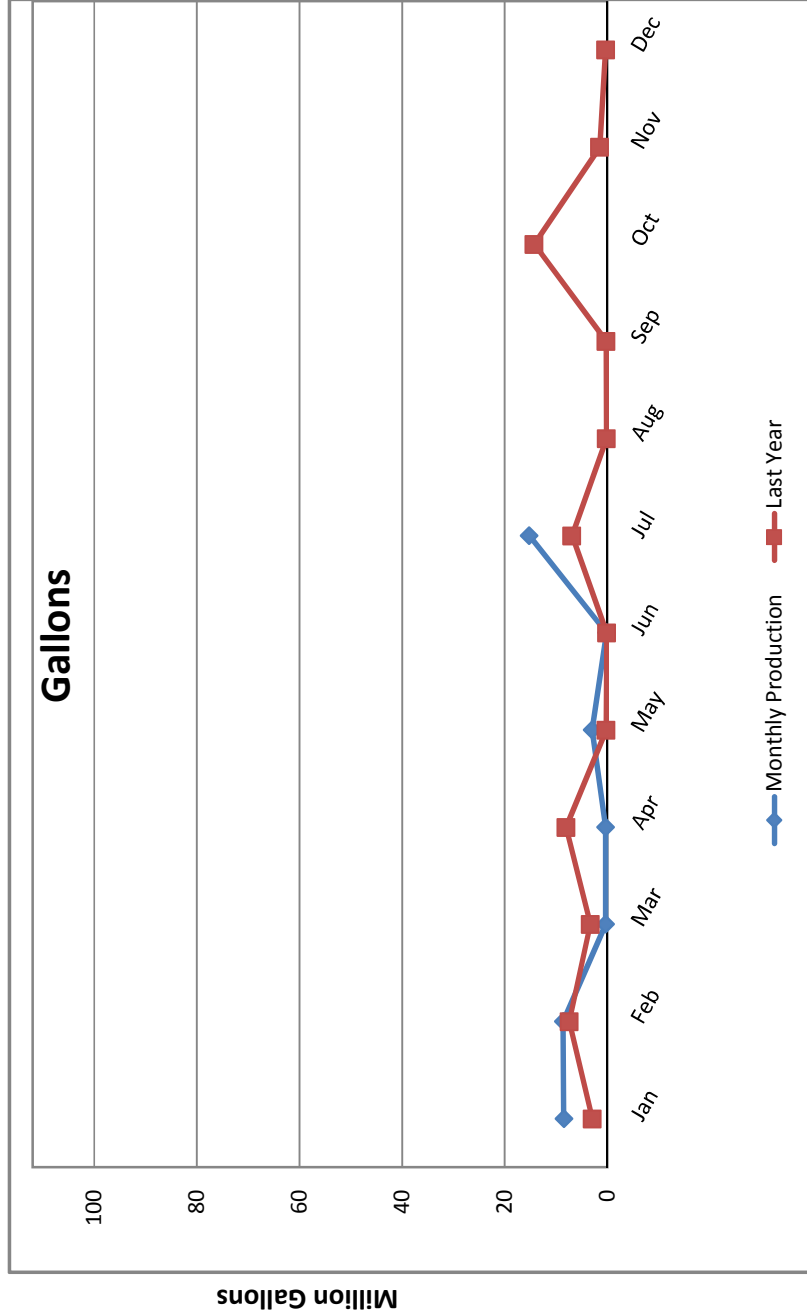
Average GPM:
1,736

Motor:
Volts: 471
Volts (Rated): 460
RPM: 2076
RPM (Rated): 2115
Amps A: 181
Amps A (Rated): 222
Amps B: 178
Amps B (Rated): 222
Amps C: 174
Amps C (Rated): 222

Motor Temp: 106.8 F
Hour Meter: 146.10
KW Hour Total: 18,880.00

Chlorine:
Dosing: 1.73
Demand: 0.66
Residual: 1.07

Vibration Reading:
Base Line: 0.05
Current: 0.01





Elk Grove Water District

Monthly Production

Well 4D Webb -- July 2016

Selected Month Production
33,223,726 Gallons

Average GPM:
1,705

Motor:

Volts: 478
 Volts (Rated): 460
 RPM: 1913
 RPM (Rated): 1775
 Amps A: 189
 Amps A (Rated): 225
 Amps B: 188
 Amps B (Rated): 225
 Amps C: 188
 Amps C (Rated): 225

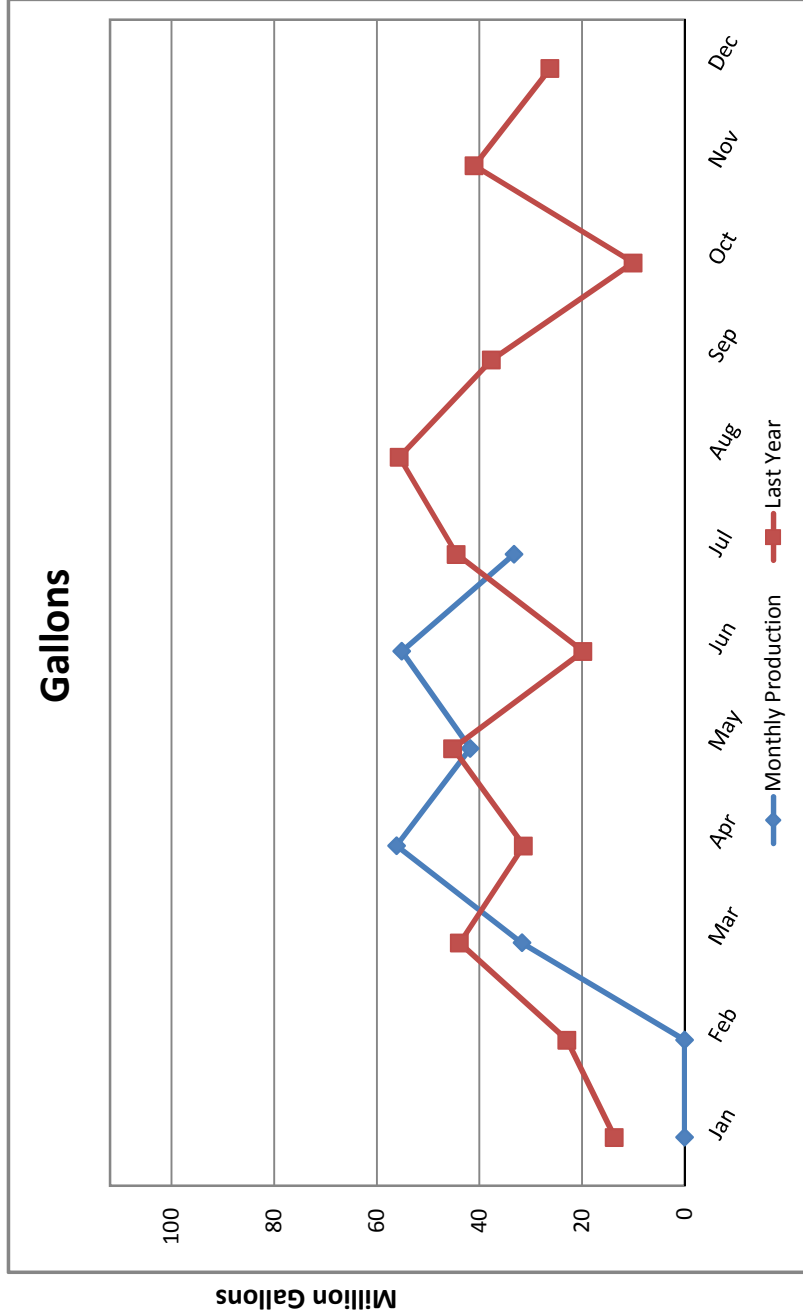
Motor Temp: 195.6 F
 Hour Meter: 324.70
 KW Hour Total: 41,820.00

Chlorine:

Dosing: 1.74 mg/L
 Demand: 0.97 mg/L
 Residual: 0.8 mg/L

Vibration Reading:

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





Elk Grove Water District

Monthly Production

Well 11D Dino -- July 2016

Selected Month Production
9,956,370 Gallons

Average GPM:
1,701

Motor:

Volts: 472
Volts (Rated): 460
RPM: 1902
RPM (Rated): 1775
Amps A: 185
Amps A (Rated): 225
Amps B: 185
Amps B (Rated): 225
Amps C: 187
Amps C (Rated): 225

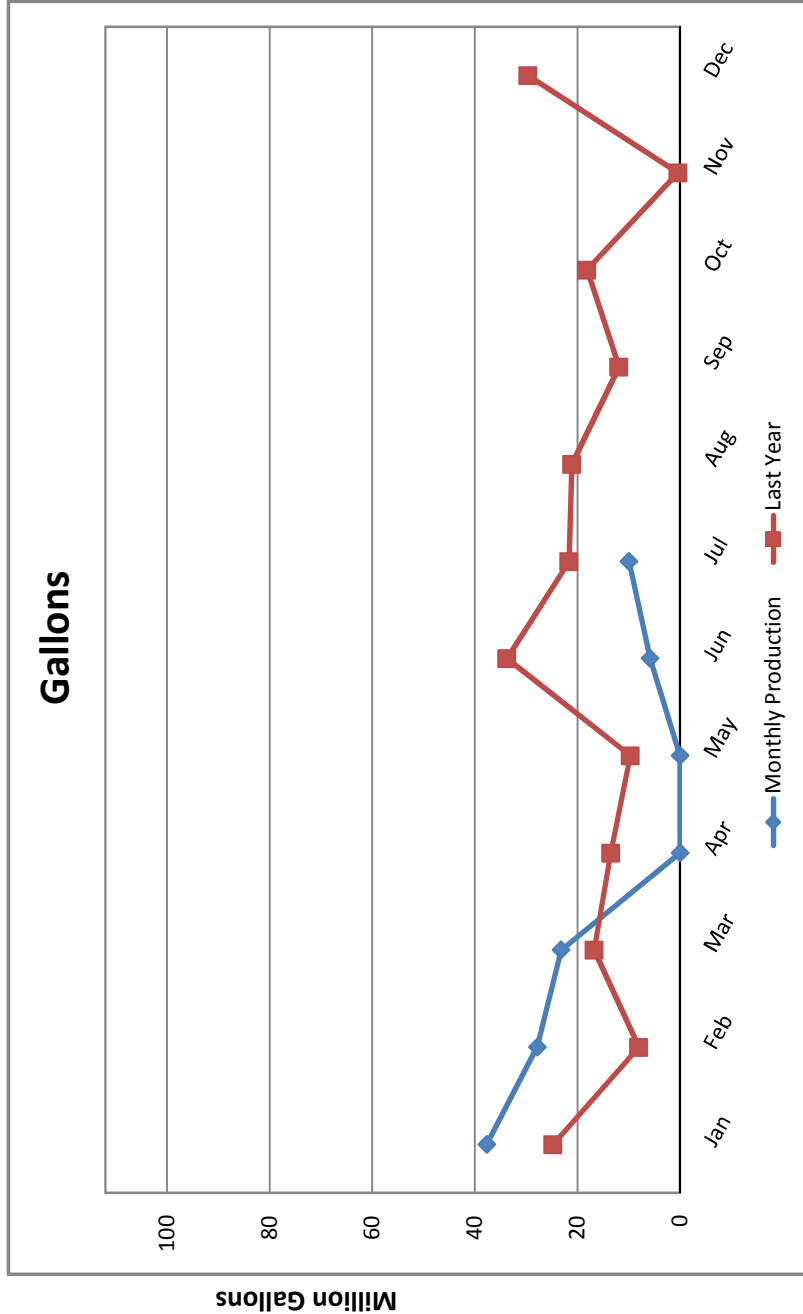
Motor Temp: 107 F
Hour Meter: 97.50
KW Hour Total: 13,560.00

Chlorine:

Dosing: 2.15 mg/L
Demand: 1.14 mg/L
Residual: 1.01 mg/L

Vibration Reading:

Base Line: 0.05 in/sec
Current: 0.02 in/sec





Elk Grove Water District

Monthly Production

Well 14D Railroad -- July 2016

Selected Month Production
48,097,515 Gallons

Average GPM:
1,538

Motor:

Volts: 480
Volts (Rated): 460
RPM: 2047
RPM (Rated): 1785
Amps A: 164
Amps A (Rated): 171
Amps B: 161
Amps B (Rated): 171
Amps C: 157
Amps C (Rated): 171

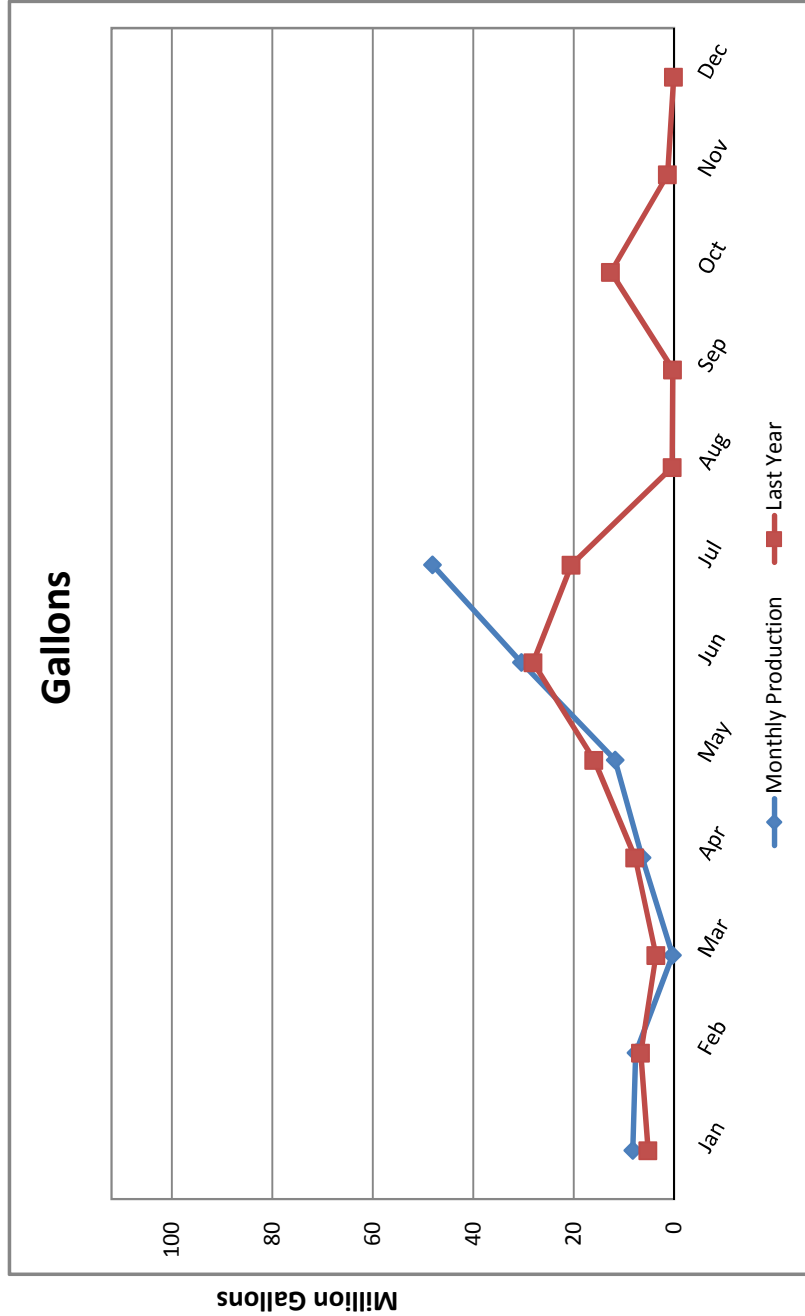
Motor Temp.: 143.6 F
Hour Meter: 521.20
KW Hour Total: 134,720.00
(KWH total is for the entire facility)

Chlorine:

Dosing: 1.98 mg/L
Demand: 1.04 mg/L
Residual: 0.94 mg/L

Vibration Reading:

Base Line: 0.02 in/sec
Current: 0.03 in/sec





Elk Grove Water District

Monthly Production

Well 3 Mar-Val -- July 2016

Selected Month Production
7,930,000 Gallons

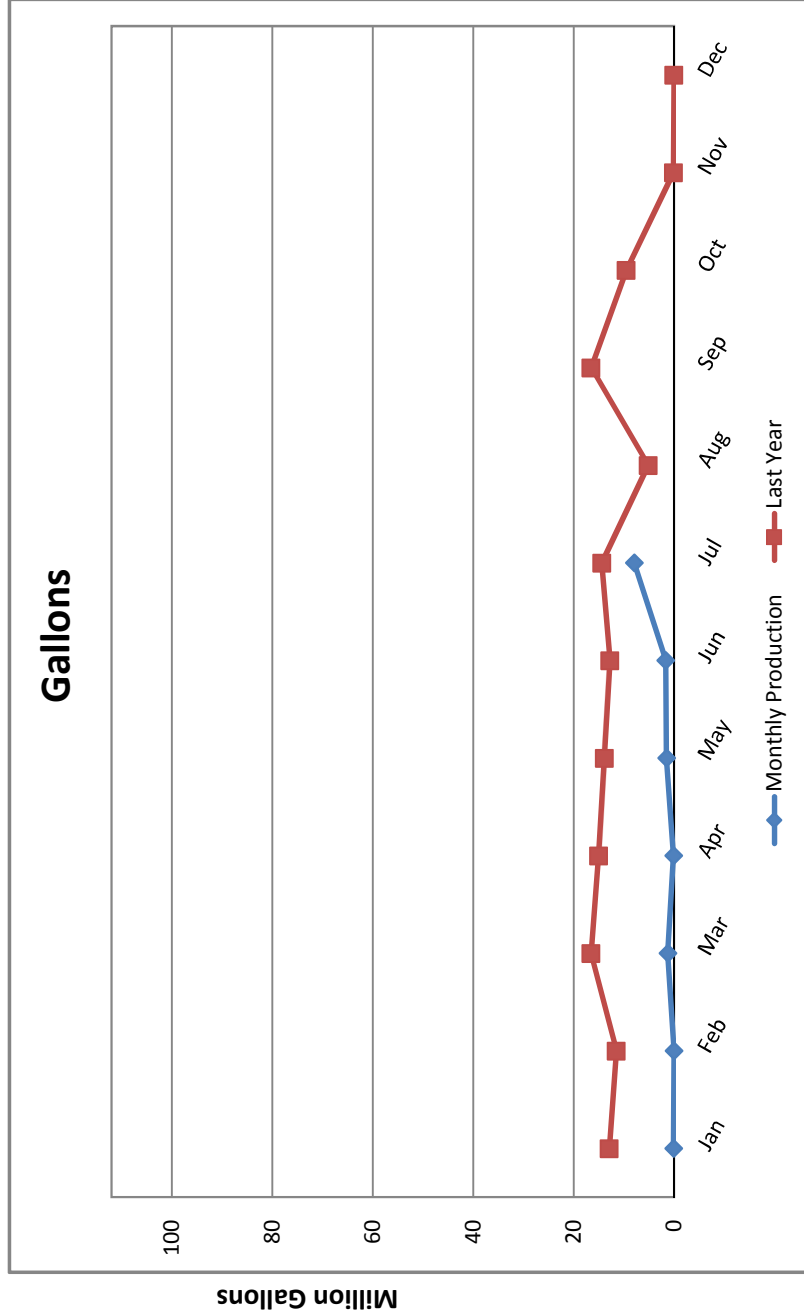
Average GPM: 903

Motor:
Volts: 480
Volts (Rated): 460
RPM: 1993
RPM (Rated): 1983
Amps A: 89
Amps A (Rated): 88
Amps B: 86
Amps B (Rated): 88
Amps C: 88
Amps C (Rated): 88

Motor Temp.: 212.3 F
Hour Meter: 146.30
KW Hour Total: 9,020.00

Chlorine:
Dosing: 1.71 mg/L
Demand: 0.84 mg/L
Residual: 0.87 mg/L

Vibration Reading:
Base Line: 0.02 in/sec
Current: 0.08 in/sec





Elk Grove Water District

Monthly Production

Well 8 Williamson -- July 2016

Selected Month Production
29,237,000 Gallons

Average GPM: 829

Motor:

Volts: 459
 Volts (Rated): 460
 RPM: 1992
 RPM (Rated): 1780
 Amps A: 89
 Amps A (Rated): 87
 Amps B: 87
 Amps B (Rated): 87
 Amps C: 87
 Amps C (Rated): 87

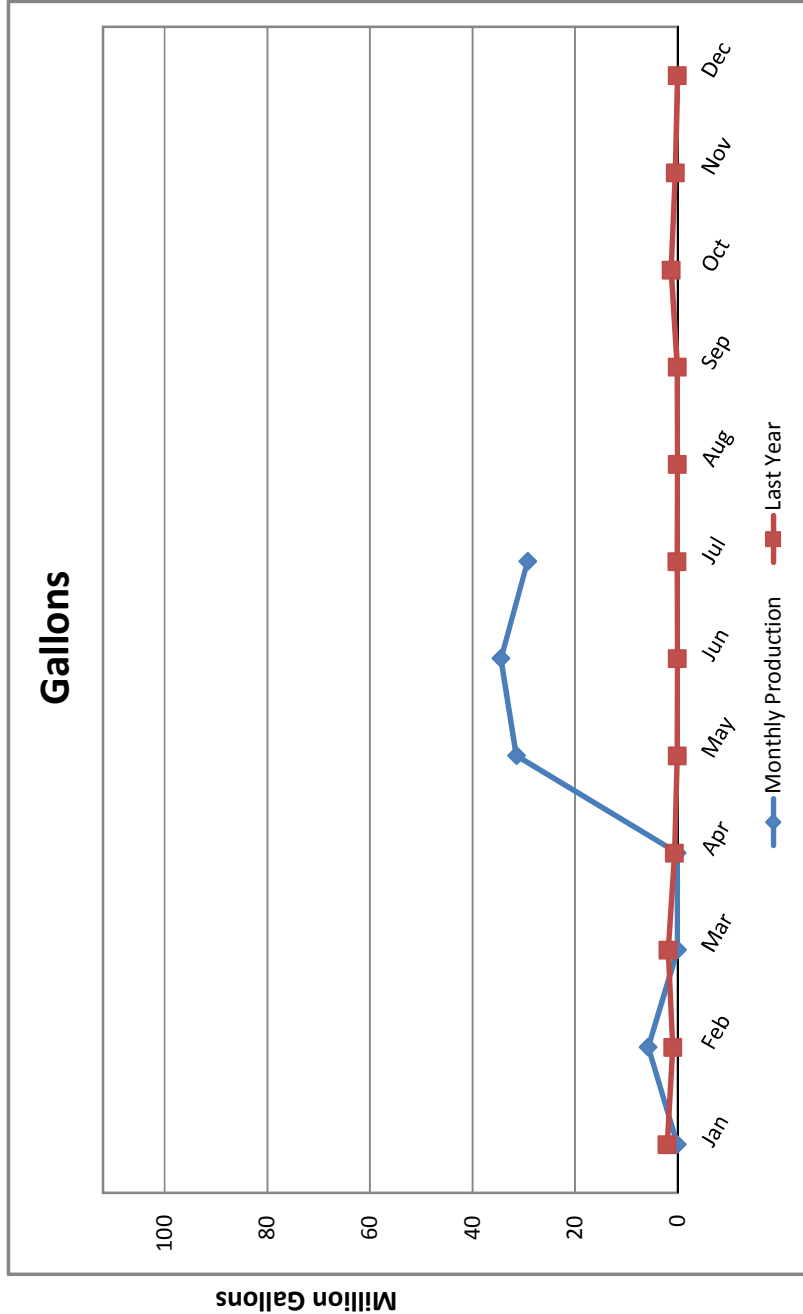
Motor Temp.: 195.6 F
 Hour Meter: 587.30
 KW Hour Total: 34,973.00

Chlorine:

Dosing: 1.11 mg/L
 Demand: 0.39 mg/L
 Residual: 0.72 mg/L

Vibration Reading:

Base Line: 0.03 in/sec
 Current: 0.02 in/sec





Elk Grove Water District

Monthly Production

Well 9 Polhemus -- July 2016
(Submersible)

Selected Month Production
21,096,000 Gallons

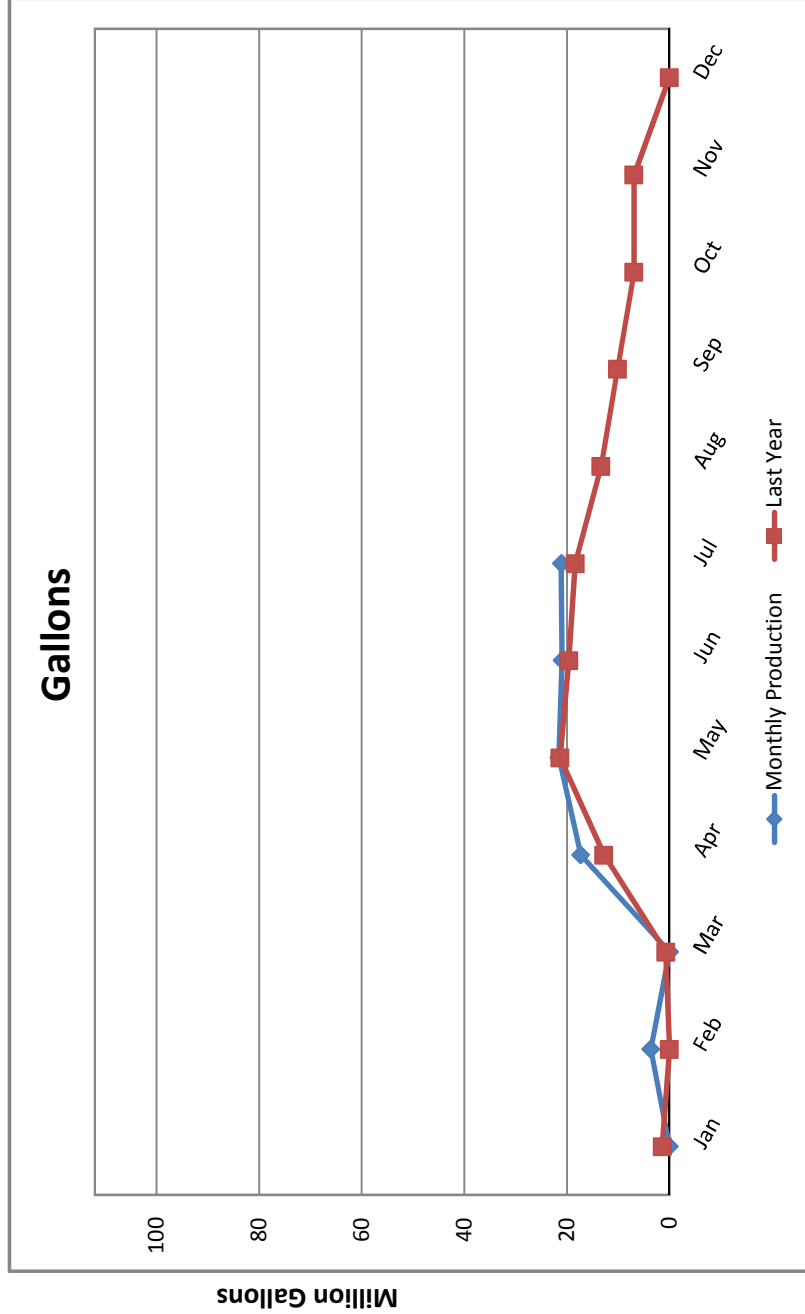
Average GPM: 485

Motor:
Volts: 483
Volts (Rated): 460

Amps A: 57
Amps A (Rated): 65
Amps B: 58
Amps B (Rated): 65
Amps C: 61
Amps C (Rated): 65

Hour Meter: 723.70
KW Hour Total: 28,482.00

Chlorine:
Dosing: 1.24 mg/L
Demand: 0.52 mg/L
Residual: 0.72 mg/L





Elk Grove Water District

Monthly Production

Well 13 Hampton -- July 2016
(Well is offline)

Selected Month Production
0 Gallons

Average GPM: 0

Motor:

Volts: 460
 RPM: 1785
 Amps A: 142
 Amps B: 142
 Amps C: 142

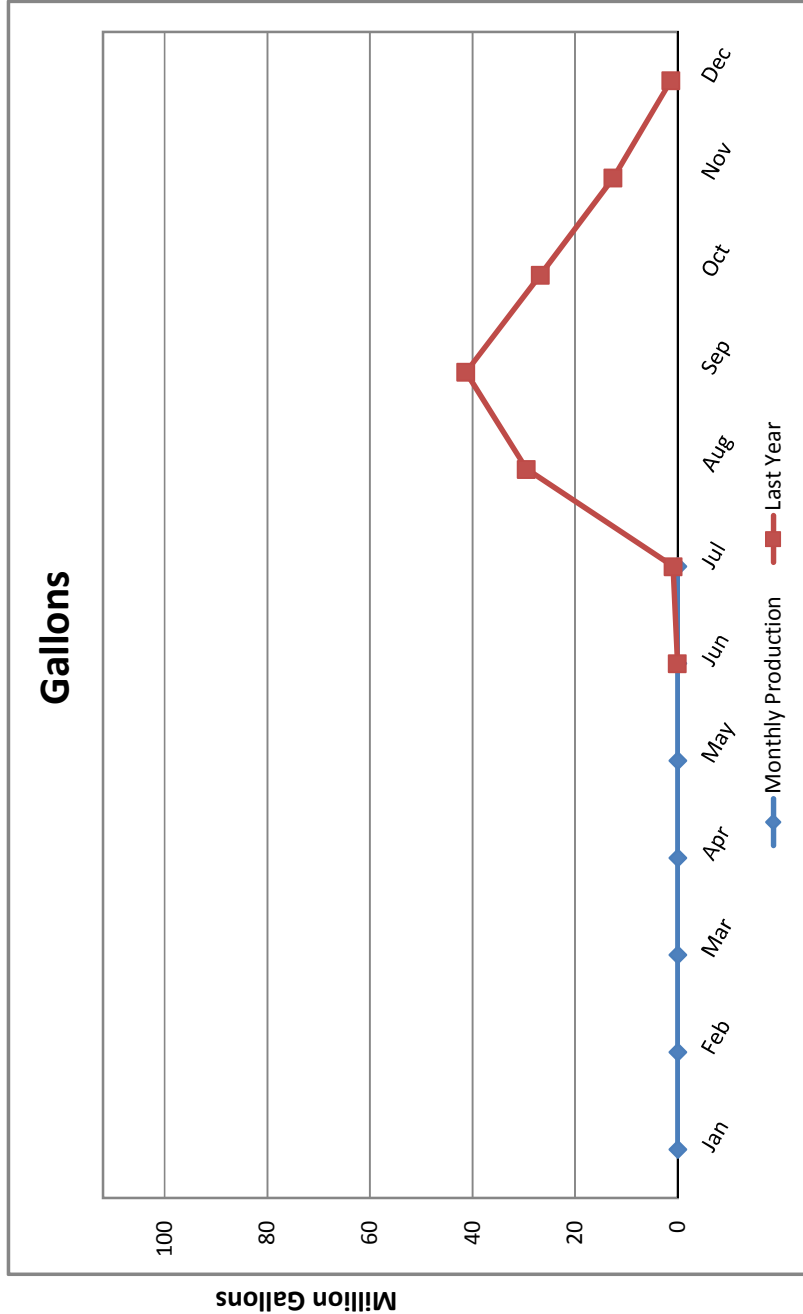
Motor Temp.: 0.00
 Hour Meter: 0.00
 KW Hour Total: 0.00

Chlorine:

Dosing: 0 mg/L
 Demand: 0 mg/L
 Residual: 0 mg/L

Vibration Reading:

Base Line: 0.02 in/sec
 Current:





Elk Grove Water District

Combined Total Production

Service Area 1

Jul-2016

Current Month Production:

164,758,463 Gallons

Highest Day Demand of the Month: 6,157,000
Date of Occurrence: 25-Jul-16

Highest Day Demand of the Calendar Year: 6,157,000
Date of Occurrence: 25-Jul-16

"Water Year" Rainfall: (Oct-15 to Sep-16)

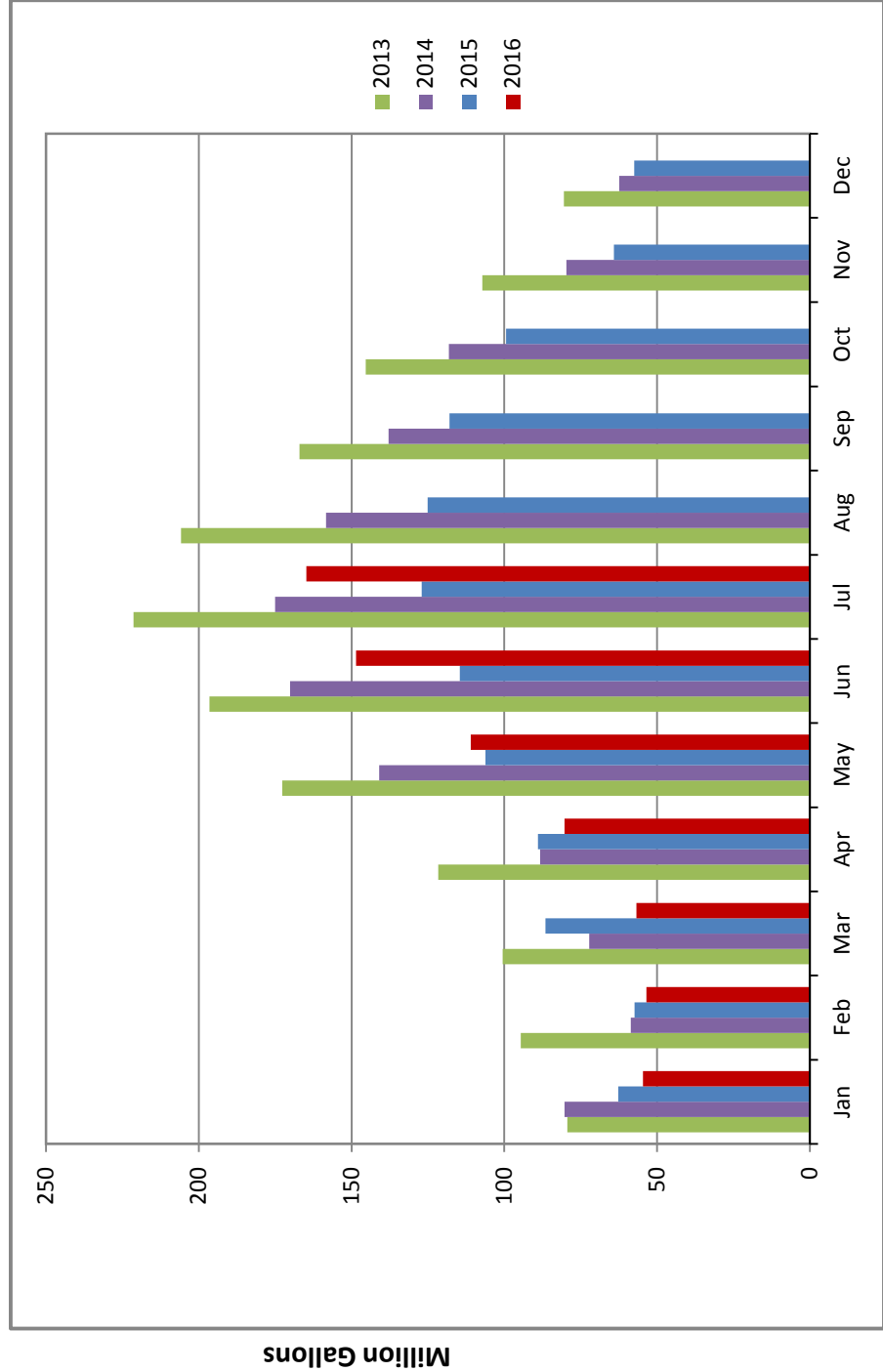
Current Month: 0.00 in
Year To Date: 16.19 in

"Water Year" Rainfall: (Oct-14 to Sep-15)

July 2015: 0.00 in
Year To Date: 15.41 in
Last Year Total: 15.45 in

Temperature:

This Month High: 104 F
This Month Low: 55 F
July-15 High: 107 F
July-15 Low: 58 F

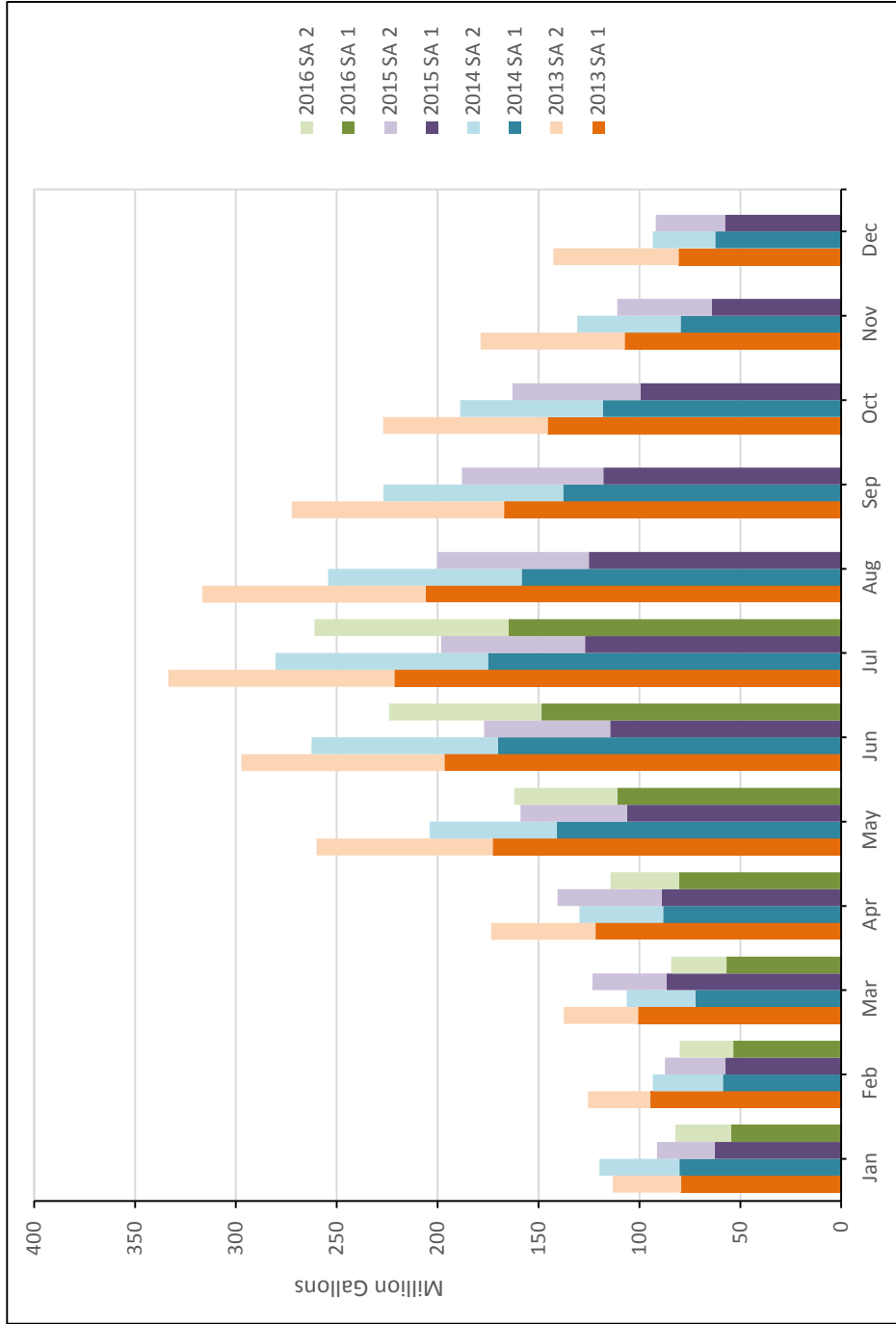




Elk Grove Water District

Total Demand/Production

Jul-2016



Current Month Demand/Production:
261,005,119 Gallons
Reduction From July 2013: 21.73%
GPCD: 190.1 Gallons per Day
R-GPCD: 146.4 Gallons per Day

Service Area 1
Active Connections: 7,918
Current Month Demand/Production:
164,758,463 Gallons
GPCD: 186.6 Gallons per Day
R-GPCD: 149.3 Gallons per Day

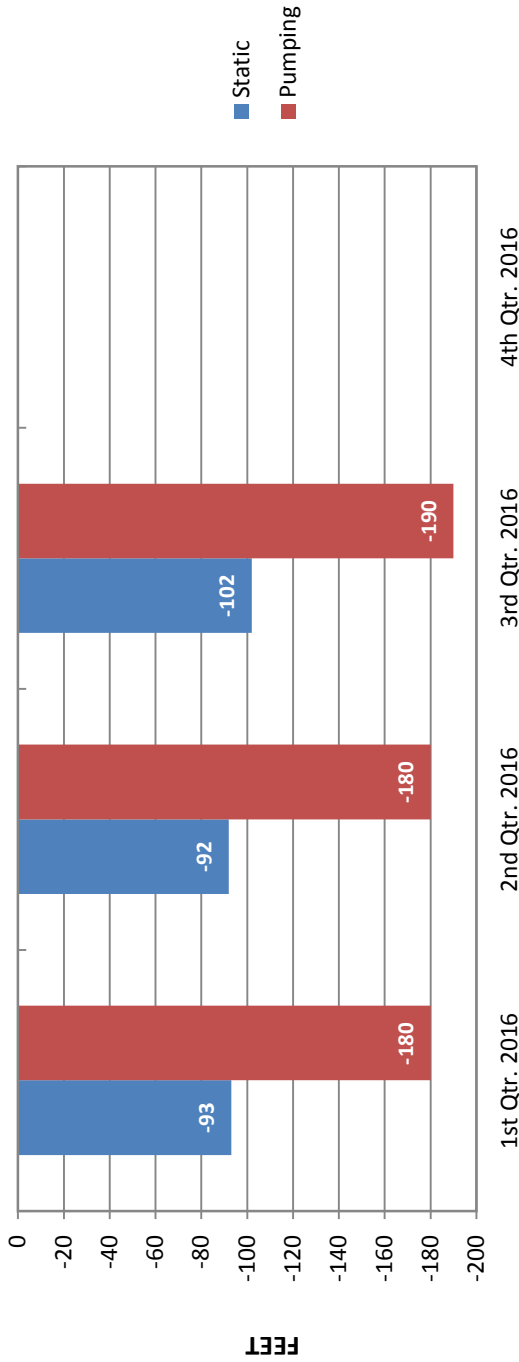
Service Area 2
Active Connections: 4,275
Current Month Demand/Production:
96,246,656 Gallons
GPCD: 196.4 Gallons per Day
R-GPCD: 139.4 Gallons per Day



Elk Grove Water District

Static and Pumping Levels

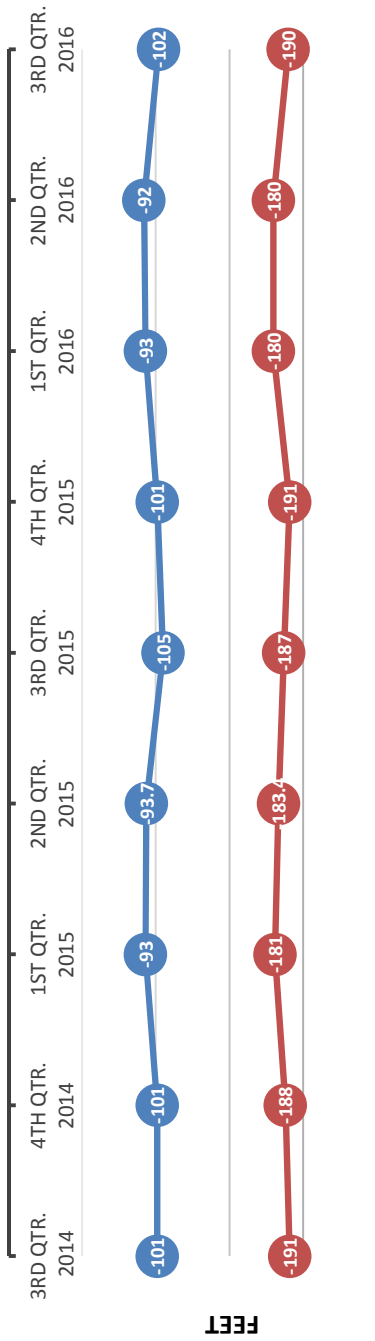
Well 1D School St



Latest Well Sounding

Static: 102 Ft
Pumping: 190 Ft
Drawdown: 88 Ft
GPM: 1,791.00
Specific Capacity: 20.352

Sounding Quarter/Year



Latest Sand Tester Results:

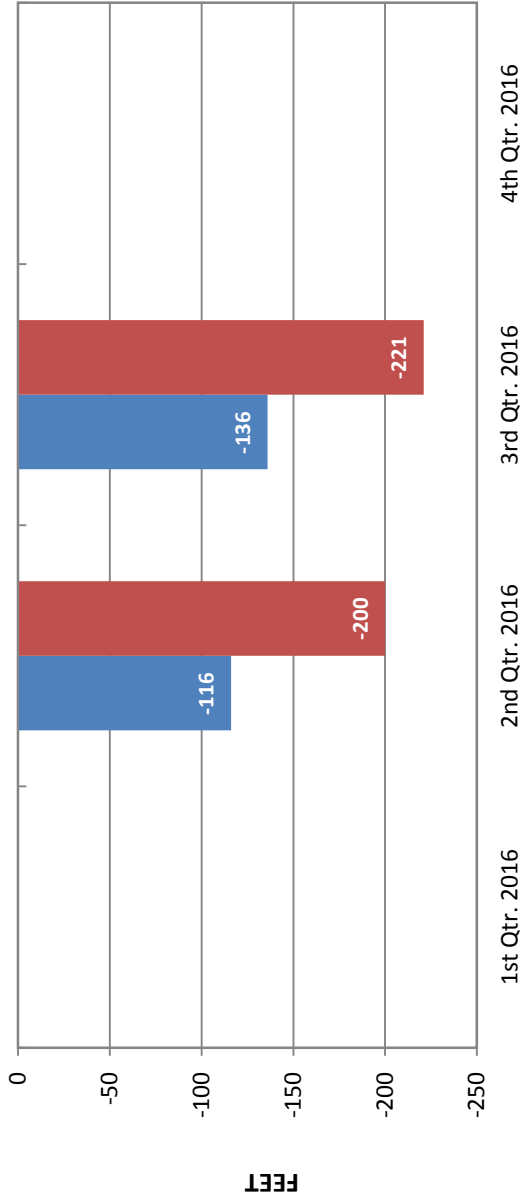
15 Min: < 5 ppm



Elk Grove Water District

Static and Pumping Levels

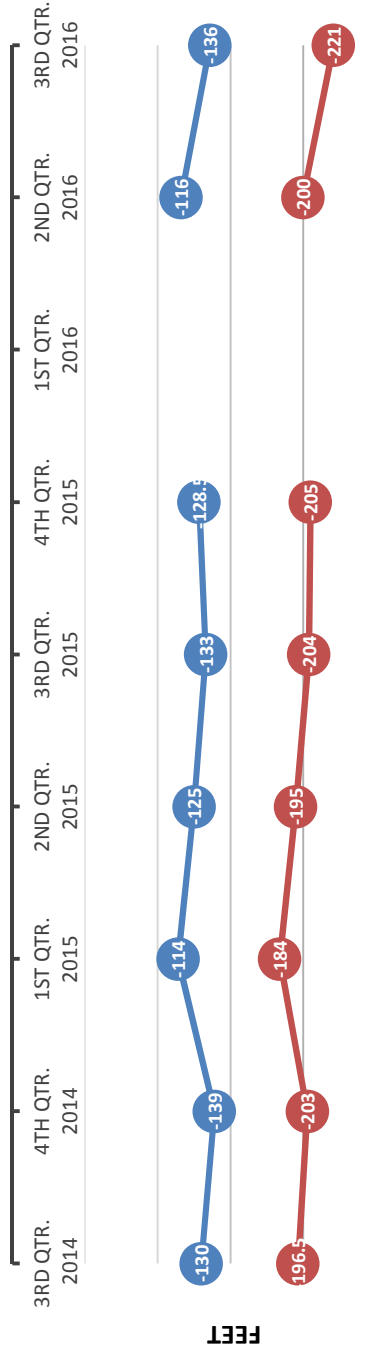
Well 4D Webb St



Latest Well Sounding

Static: 136 Ft
Pumping: 221 Ft
Drawdown: 85 Ft
GPM: 1,664.00
Specific Capacity: 19.576

Sounding Quarter/Year



Latest Sand Tester Results:

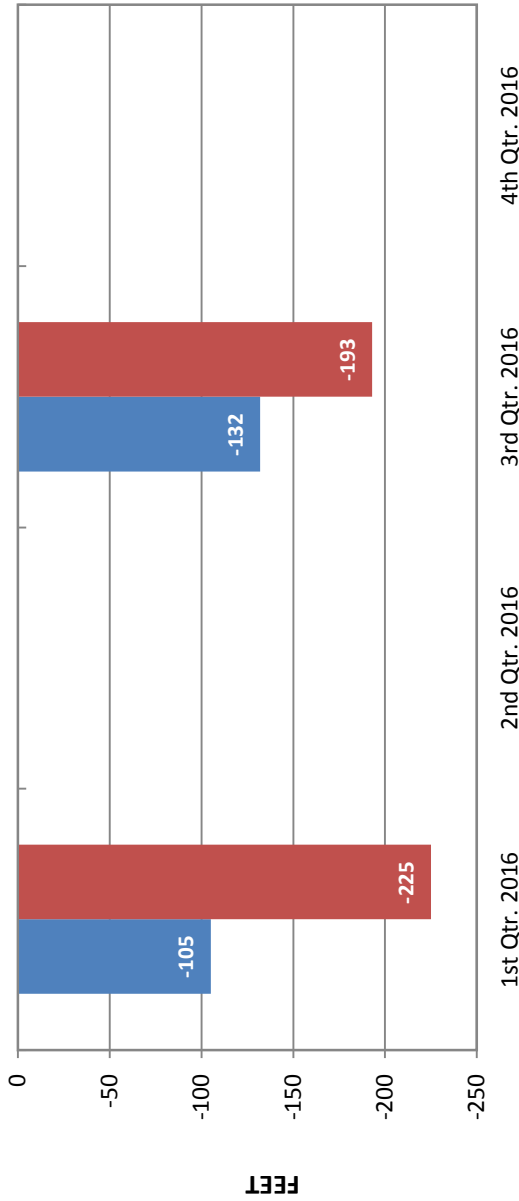
15 Min: < 5 ppm



Elk Grove Water District

Static and Pumping Levels

Well 11D Dino

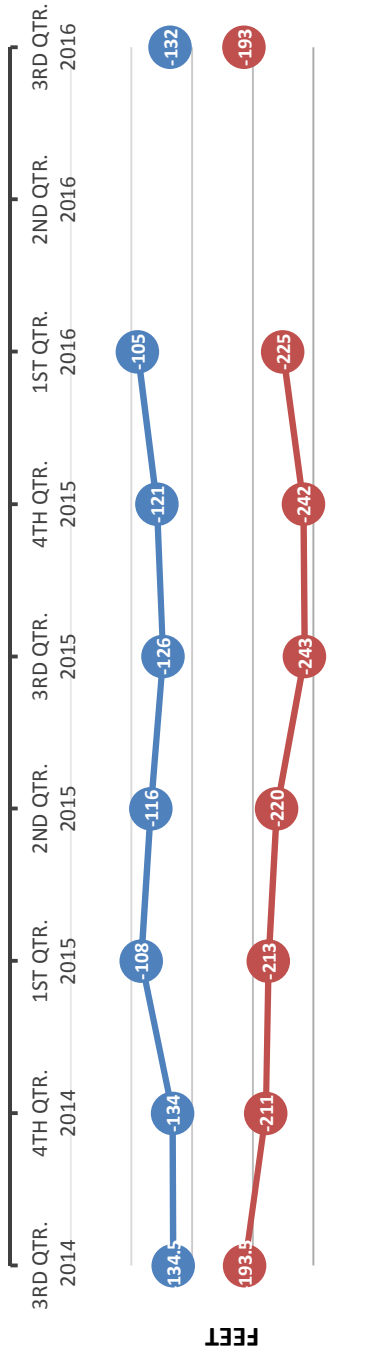


Latest Well Sounding

Static: 132 Ft
Pumping: 193 Ft
Drawdown: 61 Ft
GPM: 1,687.00
Specific Capacity: 27.656

■ Static
■ Pumping

Sounding Quarter/Year



Latest Sand Tester Results:

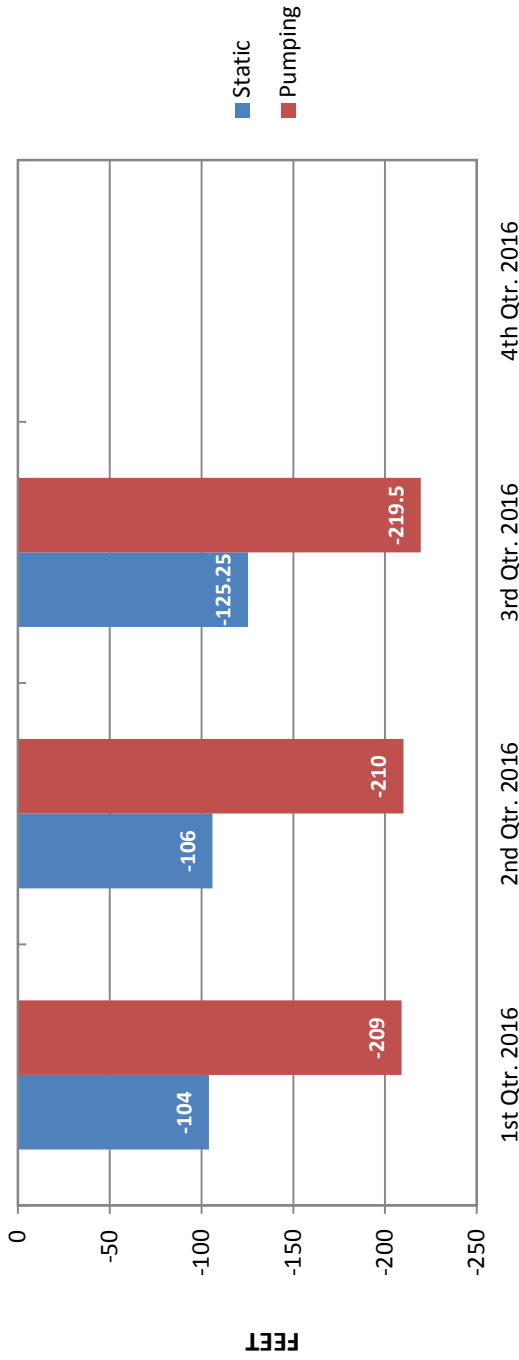
15 Min: < 5 ppm



Elk Grove Water District

Static and Pumping Levels

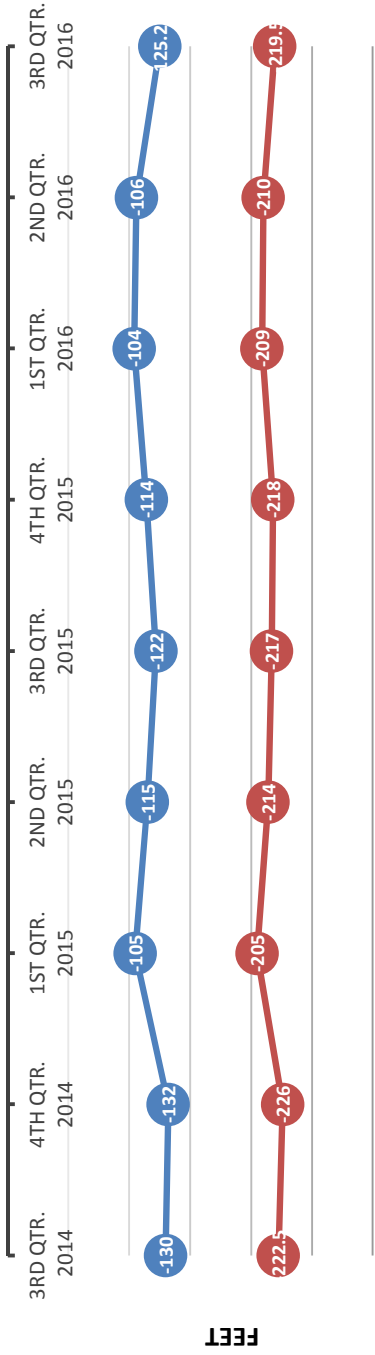
Well 14D Railroad



Latest Well Sounding

Static: 125.25 Ft
Pumping: 219.5 Ft
Drawdown: 94.25 Ft
GPM: 1,578.00
Specific Capacity: 16.743

Sounding Quarter/Year



Latest Sand Tester Results:

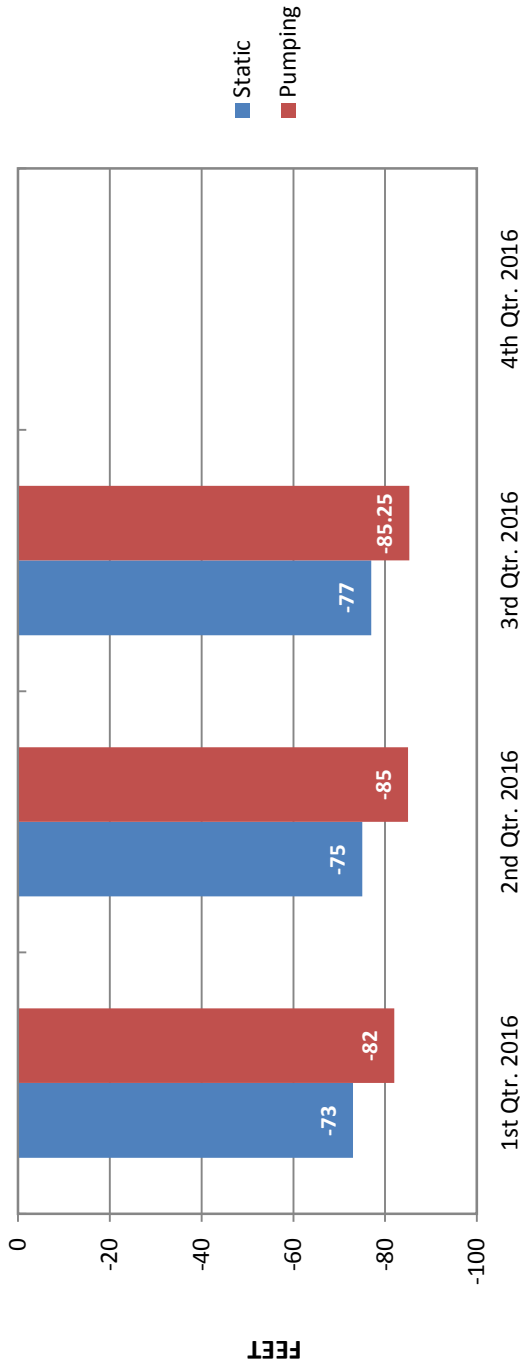
15 Min: < 5 ppm



Elk Grove Water District

Static and Pumping Levels

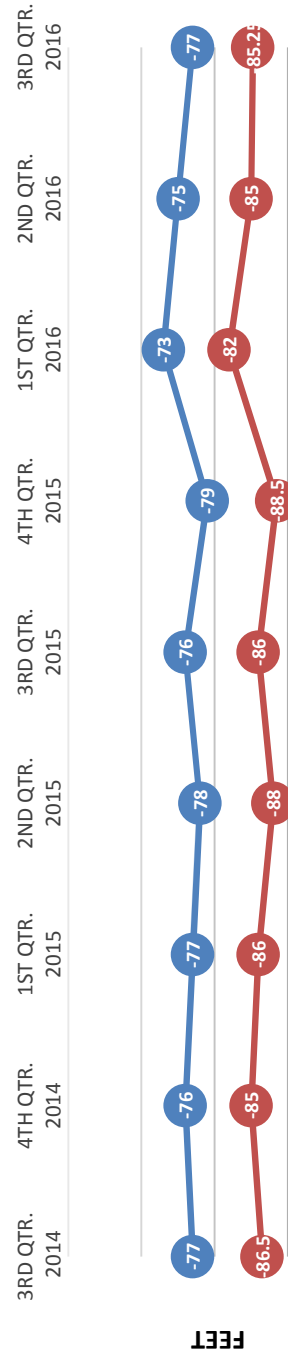
Well 3 Mar-Val



Latest Well Sounding

Static: 77 Ft
 Pumping: 85.25 Ft
 Drawdown: 8.25 Ft
 GPM: 860.00
 Specific Capacity: 104.242

Sounding Quarter/Year



Latest Sand Tester Results:

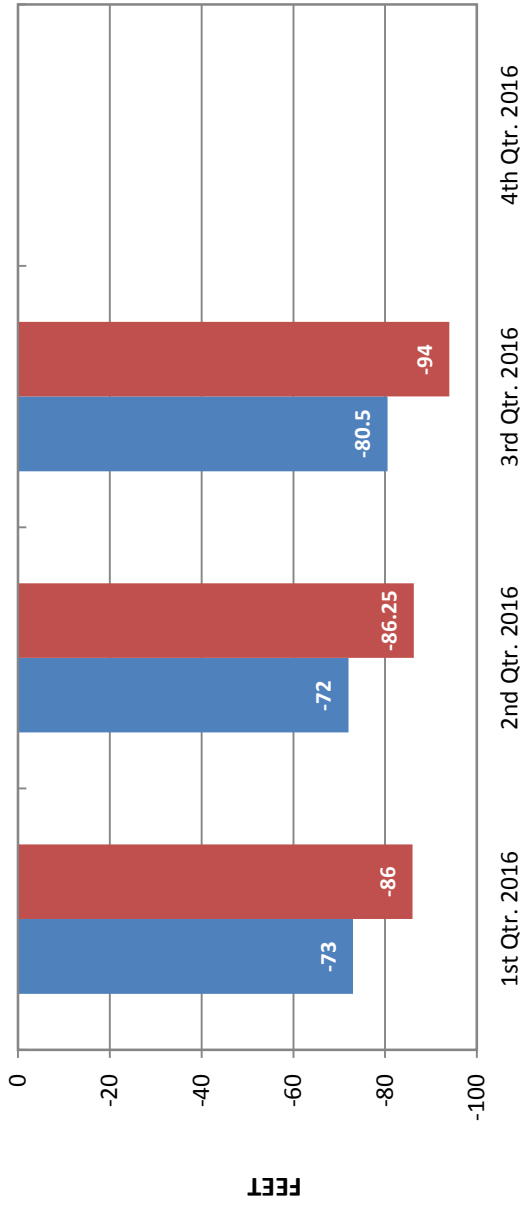
15 Min: 3.52 ppm



Elk Grove Water District

Static and Pumping Levels

Well 8 Williamson

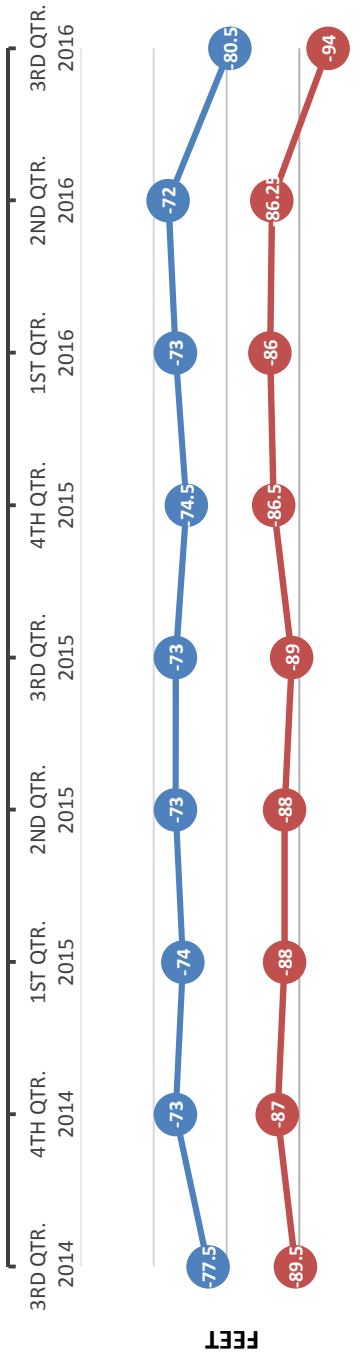


Latest Well Sounding

Static: 80.5 Ft
 Pumping: 94 Ft
 Drawdown: 13.5 Ft
 GPM: 820.00
 Specific Capacity: 60.741

■ Static
 ■ Pumping

Sounding Quarter/Year



Latest Sand Tester Results:

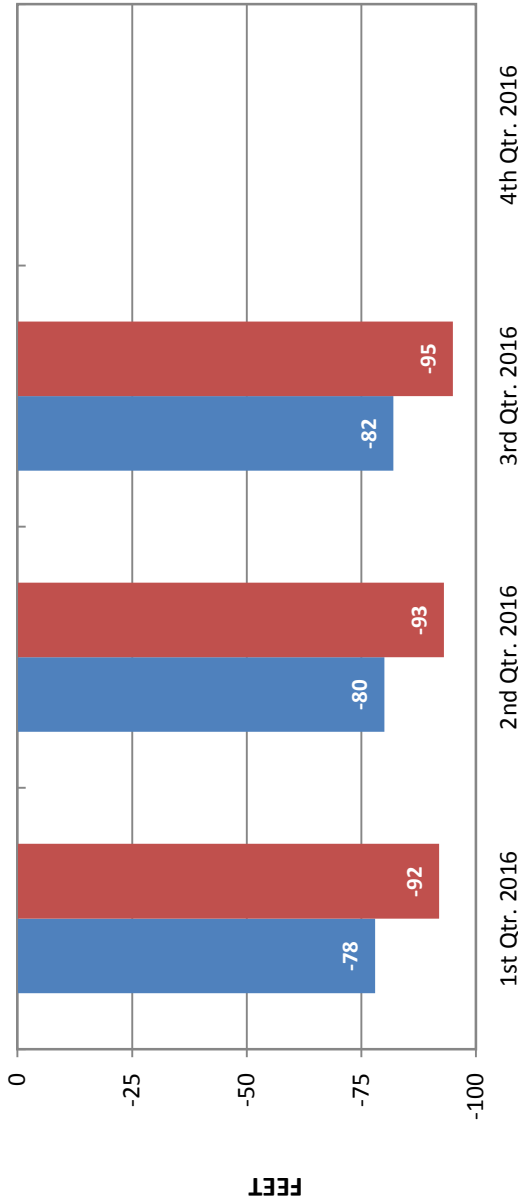
15 Min: 7.04 ppm



Elk Grove Water District

Static and Pumping Levels

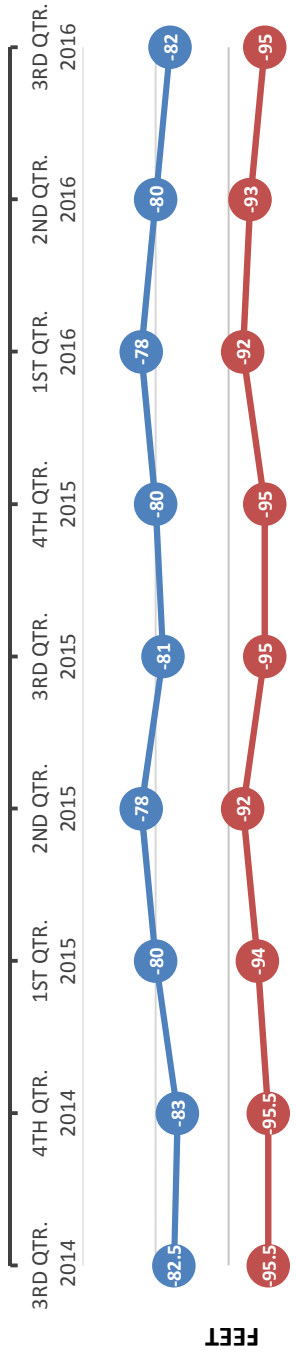
Well 9 Polhemus



Latest Well Sounding

Static: 82 Ft
Pumping: 95 Ft
Drawdown: 13 Ft
GPM: 480.00
Specific Capacity: 36.923

Sounding Quarter/Year



Latest Sand Tester Results:

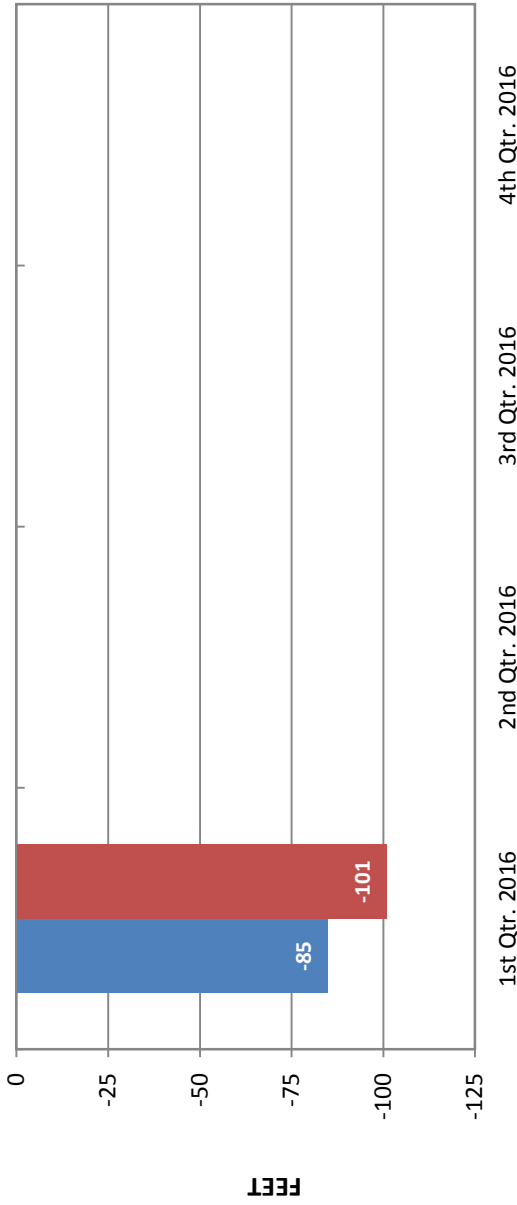
15 Min: < 5 ppm



Elk Grove Water District

Static and Pumping Levels

Well 13 Hampton

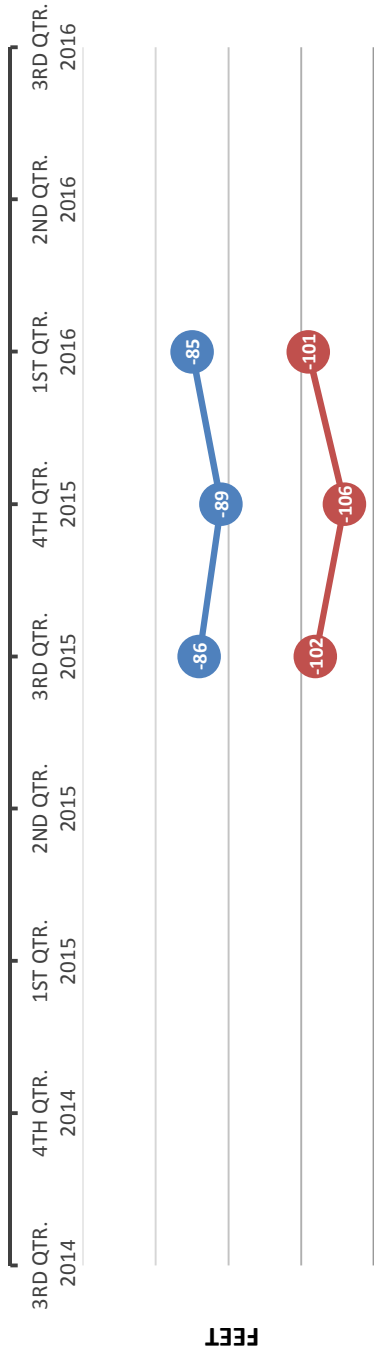


■ Static
■ Pumping

Latest Well Sounding

Static: 85 Ft
Pumping: 101 Ft
Drawdown: 16 Ft
GPM: 990.00
Specific Capacity: 61.875

Sounding Quarter/Year



Latest Sand Tester Results:

15 Min: < 5 ppm

Monthly Sample Report - July 2016
Water System: Elk Grove Water System

Sampling Point: 01 - 8693 W. Camden			
Sample Date	Sample Class	Sample Name	Collection Occurrence
7/5/2016	Distribution System	Bacteriological	Week
7/12/2016	Distribution System	Bacteriological	Week
7/19/2016	Distribution System	Bacteriological	Week
7/26/2016	Distribution System	Bacteriological	Week
7/5/2016	Distribution System	TTHM's & HAA5	Quarterly

Sampling Point: School Well 01D - Raw Water			
Sample Date	Sample Class	Sample Name	Collection Occurrence
7/19/2016	Source Water	3 mo - Bacteriological	Quarterly
7/19/2016	Source Water	3 mo - Fe,Mn,As Total	Quarterly
7/19/2016	Source Water	3 mo - Fe,Mn,As Dissolved	Quarterly

Sampling Point: 02 - 9425 Emerald Vista			
Sample Date	Sample Class	Sample Name	Collection Occurrence
7/5/2016	Distribution System	Bacteriological	Week
7/12/2016	Distribution System	Bacteriological	Week
7/19/2016	Distribution System	Bacteriological	Week
7/26/2016	Distribution System	Bacteriological	Week
7/5/2016	Distribution System	TTHM's & HAA5	Quarterly

Sampling Point: Mar-Val Well 3 Raw Water			
Sample Date	Sample Class	Sample Name	Collection Occurrence
7/26/2016	Source Water	3 mo - Bacteriological	Quarterly
7/26/2016	Source Water	3 mo - Fe,Mn,As Total	Quarterly
7/26/2016	Source Water	3 mo - Fe,Mn,As Dissolved	Quarterly

Sampling Point: 03 - 8809 Valley Oak			
Sample Date	Sample Class	Sample Name	Collection Occurrence
7/5/2016	Distribution System	Bacteriological	Week
7/12/2016	Distribution System	Bacteriological	Week
7/19/2016	Distribution System	Bacteriological	Week
7/26/2016	Distribution System	Bacteriological	Week

Sampling Point: Webb Well 04D - Raw Water			
Sample Date	Sample Class	Sample Name	Collection Occurrence
7/5/2016	Source Water	3 mo - Bacteriological	Quarterly
7/5/2016	Source Water	3 mo - Fe,Mn,As Total	Quarterly
7/5/2016	Source Water	3 mo - Fe,Mn,As Dissolved	Quarterly

Sampling Point: 04 - 10122 Glacier Point			
Sample Date	Sample Class	Sample Name	Collection Occurrence
7/5/2016	Distribution System	Bacteriological	Week
7/12/2016	Distribution System	Bacteriological	Week
7/19/2016	Distribution System	Bacteriological	Week
7/26/2016	Distribution System	Bacteriological	Week

Sampling Point: 05 - 9230 Amsden Ct.			
Sample Date	Sample Class	Sample Name	Collection Occurrence
7/5/2016	Distribution System	Bacteriological	Week
7/12/2016	Distribution System	Bacteriological	Week
7/19/2016	Distribution System	Bacteriological	Week
7/26/2016	Distribution System	Bacteriological	Week

Sampling Point: 06 - 9227 Rancho Dr.			
Sample Date	Sample Class	Sample Name	Collection Occurrence
7/5/2016	Distribution System	Bacteriological	Week
7/12/2016	Distribution System	Bacteriological	Week
7/19/2016	Distribution System	Bacteriological	Week
7/26/2016	Distribution System	Bacteriological	Week

Sampling Point: 07 - AI Gates Park Mainline Dr.			
Sample Date	Sample Class	Sample Name	Collection Occurrence
7/5/2016	Distribution System	Bacteriological	Week
7/12/2016	Distribution System	Bacteriological	Week
7/19/2016	Distribution System	Bacteriological	Week
7/26/2016	Distribution System	Bacteriological	Week

Sampling Point: Williamson Well 8 Raw Water			
Sample Date	Sample Class	Sample Name	Collection Occurrence
7/12/2016	Source Water	3 mo - Bacteriological	Quarterly
7/12/2016	Source Water	3 mo - Fe,Mn,As Total	Quarterly
7/12/2016	Source Water	3 mo - Fe,Mn,As Dissolved	Quarterly

Sampling Point: 08 - 9436 Hollow Springs Wy.			
Sample Date	Sample Class	Sample Name	Collection Occurrence
7/5/2016	Distribution System	Bacteriological	Week
7/12/2016	Distribution System	Bacteriological	Week
7/19/2016	Distribution System	Bacteriological	Week
7/26/2016	Distribution System	Bacteriological	Week
7/5/2016	Distribution System	TTHM's & HAA5	Quarterly

Sampling Point: Polhemus Well 9 Raw Water			
Sample Date	Sample Class	Sample Name	Collection Occurrence
7/12/2016	Source Water	3 mo - Bacteriological	Quarterly
7/12/2016	Source Water	3 mo - Fe,Mn,As Total	Quarterly
7/12/2016	Source Water	3 mo - Fe,Mn,As Dissolved	Quarterly

Sampling Point: 09 - 8417 Blackman Wy.			
Sample Date	Sample Class	Sample Name	Collection Occurrence
1/5/2016	Distribution System	Bacteriological	Week
1/12/2016	Distribution System	Bacteriological	Week
1/20/2016	Distribution System	Bacteriological	Week
1/26/2016	Distribution System	Bacteriological	Week
12/29/2015	Distribution System	Bacteriological	Week

Sampling Point: 10 - 9373 Oreo Ranch Cir.			
Sample Date	Sample Class	Sample Name	Collection Occurrence
1/5/2016	Distribution System	Bacteriological	Week
1/12/2016	Distribution System	Bacteriological	Week
1/20/2016	Distribution System	Bacteriological	Week
1/26/2016	Distribution System	Bacteriological	Week
12/29/2015	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

Sampling Point: Hampton WTP Effluent			
Sample Date	Sample Class	Sample Name	Collection Occurrence

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
7/5/2016	Source Water	3 mo - Bacteriological	Quarterly
7/5/2016	Source Water	3 mo - Fe,Mn,As Total	Quarterly
7/5/2016	Source Water	3 mo - Fe,Mn,As Dissolved	Quarterly

Sampling Point: Railroad WTP Effluent			
Sample Date	Sample Class	Sample Name	Collection Occurrence
7/5/2016	Treated Plant Effluent	WTP Eff - Fe,Mn,As,Al Total	Month
7/5/2016	Treated Plant Effluent	WTP Eff - Fe,Mn,As,Al Dissolved	Month

Sampling Point: Special Distribution/Construction Samples

Sample Date	Sample Class	Sample Name	Collection Description
7/14/2016	Distribution System	Wyland Dr. lot #1	Fieldstone South New Mains (CIP)
7/14/2016	Distribution System	Sauterne Wy. lot #1 16	Fieldstone South New Mains (CIP)

Colors

Black = Scheduled

Green = Unscheduled

Red = Incomplete Sample

Yearly Total

365

83

0

Monthly Total

56

9

0



August 5, 2016

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 July 2016.

If you have any further questions, you may contact me at 916-687-3155 ext. 102.

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

STEVE SHAW
WATER TREATMENT SUPERVISOR

MONTHLY SUMMARY OF DISTRIBUTION SYSTEM COLIFORM MONITORING (including triggered source monitoring for systems subject to the Groundwater Rule)

System Name <p style="text-align: center; font-size: 1.2em;">Elk Grove Water District</p>	System Number <p style="text-align: center; font-size: 1.2em;">3410008</p>
Sampling Period <p style="text-align: center; font-size: 1.2em;">July</p>	Year <p style="text-align: center; font-size: 1.2em;">2016</p>

	Number Required	Number Collected	Number Total Coliform Positives	Number Fecal/ E.coli Positives
1. Routine Samples (see note 1)	40	40	0	0
2. Repeat Samples following Samples that are Total Coliform Positive and Fecal/E.coli <i>Negative</i> (see notes 5 and 6)		0	0	<div style="border: 1px solid black; width: 30px; height: 15px;"></div>
3. Repeat Samples following Routine Samples that are Total Coliform <i>Positive</i> and Fecal/E.coli Positive (see notes 5 and 6)		0	<div style="border: 1px solid black; width: 30px; height: 15px;"></div>	<div style="border: 1px solid black; width: 30px; height: 15px;"></div>
4. MCL Computation for Total Coliform Positive Samples				
a. Totals (sum of columns)		40	0	
b. If 40 or more samples collected in month, determine percent of samples that are total coliform positive [(total number positive/total number collected) x 100] =	0	%		
c. Is system in compliance...with fecal/E. coli MCL? (see notes 2 and 3)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
...with monthly MCL? (see note 4)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
5. Source Samples Triggered by Routine Samples that are Total Coliform Positive (This applies only to systems subject to the Groundwater Rule - see notes 7 and 8)		0	0	<div style="border: 1px solid black; width: 30px; height: 15px;"></div>
6. Invalidated Samples (Note what samples, if any, were invalidated; who authorized the invalidation; and when replacement samples were collected. Attach additional sheets, if necessary.)				
7. Summary Completed By: Steve Shaw				

Signature 	Title <p style="text-align: center; font-weight: bold;">Water Treatment Supervisor</p>	Date <p style="text-align: center; font-weight: bold;">8/5/2016</p>
---------------	-------------------------------------------------------------------------------------------	------------------------------------------------------------------------

NOTES AND INSTRUCTIONS:

1. Routine samples include:
 - a. Samples required pursuant to 22 CCR Section 64423 and any additional samples required by an approved routine sample siting plan established pursuant to 22 CCR Section 64422.
 - b. Extra samples are required for systems collecting less than five routine samples per month that had one or more total coliform positives in previous month;
 - c. Extra samples for systems with high source water turbidities that are using surface water or groundwater under direct influence of surface water and do not practice filtration in compliance with regulations;
2. Note: For a repeat sample following a total coliform positive sample, any fecal/*E.coli* positive repeat (boxed entry) **constitutes an MCL violation and requires immediate notification to the Department** (22, CCR, Section 64426.1).
3. Note: For repeat sample following a fecal/*E.coli* positive sample, any total coliform positive repeat (boxed entry) **constitutes an MCL violation and requires immediate notification to the Department** (22, CCR, Section 64426.1).
4. Total coliform MCL (**Notify Department within 24 hours of MCL violation**):
 - a. For systems collecting less than 40 samples, if two or more samples are total coliform positive, then the MCL is violated.
 - b. For systems collecting 40 or more samples, if more than 5.0 percent of samples collected are total coliform positive, then the MCL is violated.
5. Positive results and their associated repeat samples are to be tracked on the Coliform Monitoring Worksheet.
6. Repeat samples must be collected within 24 hours of being notified of the positive results. For systems collecting more than one routine sample per month, three repeat samples must be collected for each total coliform positive sample. For systems collecting one or fewer routine samples per month, four repeat samples must be collected for each total coliform positive sample.
7. For systems subject to the Groundwater Rule: Positive results and the associated triggered source samples are to be tracked on the Coliform Monitoring Worksheet.
8. For triggered sample(s) required as a result of a total coliform routine positive sample, an *E.coli*, enterococci, or coliphage positive triggered sample (boxed entry) **requires immediate notification to the Department, Tier 1 public notification, and corrective action.**



August 5, 2016

Sacramento Regional County
Sanitation District
Environmental Specialist
10060 Goethe Rd.
Sacramento, Ca. 95827

MONTHLY COMPLIANCE REPORT

Enclosed is the Monthly Compliance Report Form from Elk Grove Water District for July 2016.

If you have any further questions, you may contact me at 916-687-3155 ext. 102.

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

STEVE SHAW
WATER TREATMENT SUPERVISOR



COMPLIANCE REPORT FORM

Attn: Thomas Martin	Wastewater Source Control Section
Phone # (916) 876-7378	Fax # (916) 876-6374
From: Steve Shaw	
Company: Elk Grove Water Service	Permit# WTP010

The following reports and information are attached (check all that apply):

Month:	7	Year:	2016
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<input checked="" type="checkbox"/>	Water use/flow meter report	Railroad WTP: 0	Hampton WTP: 0	
		Date	Time	pH
	Monitoring results/analytical report	Hampton WTP		
<input type="checkbox"/>		Railroad WTP		

Discharge Rate

Check the statement below that applies to this report:

- Based on a review of this facilities flow data, discharge rate limit was exceeded
- I certify that this facility is in compliance with the discharge rate limit.

Attached is a description of anticipated changes that may significantly alter the nature, quality, or volume of the wastewater discharged.

Flow monitoring equipment certification (Flow or pH meter, etc.)

Other (describe)

Domestic Calculation

Domestic Usage	Number of Employees	Business Days per Month	Allowance (gallons per day)	Gallons
Production	3	17	25	1275
Office	3	17	20	1020
Drivers/Field	19	17	5	1615
			Total	3910

Certification Statement

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations".

SIGNATURE of Authorized Representative:

PRINTED NAME, TITLE: Steve Shaw Water Treatment Supervisor

(Name) (Title)

DATE: 8/5/2016

Elk Grove Water District Monthly Waste Report July 2016

Date	Railroad WTP Waste Meter	Gallons	Hampton WTP Waste Meter	Gallons
1	10748260	0	82978	0
2	10748260	0	82978	0
3	10748260	0	82978	0
4	10748260	0	82978	0
5	10748260	0	82978	0
6	10748260	0	82978	0
7	10748260	0	82978	0
8	10748260	0	82978	0
9	10748260	0	82978	0
10	10748260	0	82978	0
11	10748260	0	82978	0
12	10748260	0	82978	0
13	10748260	0	82978	0
14	10748260	0	82978	0
15	10748260	0	82978	0
16	10748260	0	82978	0
17	10748260	0	82978	0
18	10748260	0	82978	0
19	10748260	0	82978	0
20	10748260	0	82978	0
21	10748260	0	82978	0
22	10748260	0	82978	0
23	10748260	0	82978	0
24	10748260	0	82978	0
25	10748260	0	82978	0
26	10748260	0	82978	0
27	10748260	0	82978	0
28	10748260	0	82978	0
29	10748260	0	82978	0
30	10748260	0	82978	0
31	10748260	0	82978	0

Elk Grove Water District

Preventative Maintenance Program

M.C.C. and Lab

Item	Quarterly				Annual	
	1st	2nd	3rd	4th	Refer.	2016
Fume Hood	AH 3/22/16 13869	AH 6/16/16 14070			Sect: 1.1.1	Sect: 1.2.3
Dulco-meter	AH 3/22/16 13869	AH 6/16/16 14070			Sect: 1.1.2	
M.C.C.	Initials Date W.O. #					Sect: 1.2.1
Circuit Breaker	Initials Date W.O. #					Sect: 1.2.2
C12 DPD Handheld	AH 3/29/16 13869	WQ/MW 6/23/16 14070			Sect: 1.1.3	

Year: 2016

Elk Grove Water District

Preventative Maintenance Program

Backwash System and Storage Tanks

Item	MONTHLY												Semi-annual		Annual			
	Refer.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Refer.	2016	Refer.	2016	
Mag meter															WQ		4/1/16	13971
MCC																		
Pressure Transducer																		
Backwash Tank																		
Return Pumps	Initials																	
	Date	1/20/16	2/4/16	3/23/16	4/14/16	5/23/16	6/22/16	7/22/16										
	W.O. #	13585	13745	13865	13966	14021	14092	14129										
Storage Tanks	Initials																	
	Date																	
	W.O. #																	
Bray Valves	Initials																	
	Date																	
	W.O. #																	

Year: 2016

Elk Grove Water District

Preventative Maintenance Program

Booster Pumps

Item	Monthly												Semi-annual		Annual			
	Refer.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1ST 6-MO.	2ND 6-MO.	Refer.	2016	
Electric Motor	Initials	WQ	AH	WQ	WQ	WQ	MW	AH/WQ						WQ/MW		Sect: 3.2.1	Sect: 3.2.1	Sect: 3.2.4
	Date	1/20/16	2/17/16	3/24/16	4/13/16	5/25/16	6/30/16	7/22/16						6/6/16				
	W.O. #	13582	13746	13868	13967	14023	14082	14128						14083				
PUMP	Initials	WQ	AH	WQ	WQ	WQ	MW	AH/WQ								Sect: 3.1.2	Sect: 3.1.2	Sect: 3.2.4
	Date	1/20/16	2/17/16	3/24/16	4/13/16	5/25/16	6/30/16	7/22/16										
	W.O. #	13582	13746	13868	13967	14023	14082	14128										
A.R.V.	Initials															Sect: 3.3.1	Sect: 3.3.1	Sect: 3.3.1
	Date																	
	W.O. #																	
Rising Stem Valve	Initials															Sect: 3.3.3	Sect: 3.3.3	Sect: 3.3.3
	Date																	
	W.O. #																	

Elk Grove Water District

Preventative Maintenance Program

Clor-Tec System

Item	Monthly												Quarterly				Annual						
	Refer.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Refer.	1st	2nd		3rd	4th	Refer.	2016		
Cl2 Meter System	Initials	WQ	WQ	WQ	WQ	WQ	WQ	WQ													Sect: 4.4.1		
	Date	1/19/16	2/2/16	3/1/16	4/14/16	5/23/16	6/23/16	7/11/16															
	W.O. #	13581	13744	13866	13964	14022	14088	14126															
Exhaust Fan	Initials																					Sect: 4.3.1	
	Date																						
	W.O. #																						
Hydrogen Blow/Det.	Initials																					Sect: 4.2.1	
	Date																						
	W.O. #																						
Cell and Electrode	Initials																					Sect: 4.3.2	
	Date																						
	W.O. #																						
Hypo/Brine Tank	Initials	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	Sect: 4.4.5	
	Date	1/19/16	2/2/16	3/1/16	4/14/16	5/23/16	6/23/16	7/11/06															
	W.O. #	13581	13744	13866	13964	14022	14088	14126															
Water Softener	Initials																					Sect: 4.4.6	
	Date																						
	W.O. #																						
Rectifier	Initials	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	Sect: 4.4.4	
	Date	1/19/16	2/2/16	3/1/16	4/14/16	5/23/16	6/23/16	7/11/16															
	W.O. #	13581	13744	13866	13964	14022	14088	14126															
Clor-Tec Unit	Initials	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	Sect: 4.4.4	
	Date	1/19/16	2/2/16	3/1/16	4/14/16	5/23/16	6/23/16	7/11/16															
	W.O. #	13581	13744	13866	13964	14022	14088	14126															

Year: 2016

Elk Grove Water District

Preventative Maintenance Program

Filter Vessels

Item	Monthly												Semi-annual		Annual								
	Refer	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Refer	2ND 6-MO.	Refer	2016						
Air/Vac Valves	Initials													Date					W.O. #				
Bray Valves	Initials													Date					W.O. #				
CLA-VAL	Initials													Date					W.O. #				
Pilot Valves	Initials													Date					W.O. #				
	Initials													Date					W.O. #				
Press. Diff. Trnsdcr.	Initials													Date					W.O. #				
	Initials													Date					W.O. #				
Vessels	Initials													Date					W.O. #				
	Initials													Date					W.O. #				

Refer	1ST 6-MO.	2ND 6-MO.
Refer	5.2.1	5.3.1

Refer	5.2.2
WQ/MW	
6/29/16	
14087	

Refer	5.1.1	
WQ	1/21/16	13584
AH	2/17/16	13747
WQ	3/21/16	13867
WQ/MW	4/13/16	13965
WQ	5/17/16	14020
AH/WQ	6/23/16	14086
AH	7/21/16	14127

Refer	5.3.2
Refer	5.3.3
Refer	5.3.4

Year: 2016

Elk Grove Water District

Preventative Maintenance Program

Standby Generator

Item	Refer	Monthly												Annual	
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	2016	
Fuel Tank	6.1.1	WQ 1/5/16 13583	WQ 2/2/16 13743	WQ 3/23/16 13864	WQ 4/6/16 13968	WQ 5/23/16 14019	WQ 6/10/16 14090	AH/MW 7/7/16 14130						WQ 5/27/16 13977	
Radiator														WQ 4/19/16 13977	
Battery/Charger	6.1.2	WQ 1/5/16 13583	WQ 2/2/16 13743	WQ 3/23/16 13864	WQ 4/6/16 13968	WQ 5/23/16 14019	WQ 6/10/16 14090	AH/MW 7/7/16 14130						WQ 4/19/16 13977	
Coolant Heater														WQ 4/19/16 13977	
Generator	6.1.3	WQ 1/5/16 13583	WQ 2/2/16 13743	WQ 3/23/16 13864	WQ 4/6/16 13968	WQ 5/23/16 14019	WQ 6/10/16 14090	AH/MW 7/7/16 14130						WQ 4/19/16 13977	
Engine														WQ 4/19/16 13977	

Year: 2016

Elk Grove Water District
Preventative Maintenance Program
 Well 1D School

Item	Monthly												Semi-annual		Annual					
	Refer.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Refer.	1ST 6-MO.	2ND 6-MO.	Refer.	2016		
Pump	Initials	WQ	WQ	WQ	WQ	WQ/AH	WQ	WQ							WQ/MW					
	Date	1/6/16	2/5/16	3/21/16	4/4/16	5/27/16	6/28/16	7/11/16							6/7/16					
	W.O.#	13592	13740	13878	13963	14016	14071	14124						Sect:	14072					
Motor	Initials	WQ	WQ	WQ	WQ	WQ/AH	WQ	WQ							WQ/MW					
	Date	1/6/16	2/5/16	3/21/16	4/4/16	5/27/16	6/28/16	7/11/16							6/7/16					
	W.O.#	13592	13740	13878	13963	14016	14071	14124						Sect:	14072					
Press/Lvl Transdr.	Initials																			
	Date																			
	W.O.#																			
Isolation Valves	Initials																			
	Date																			
	W.O.#																			
Cla-Val	Initials																			
	Date																			
	W.O.#																			
Mag-Meter	Initials																			
	Date																			
	W.O.#																			
A.R.V.	Initials														WQ/MW					
	Date														6/7/16					
	W.O.#														14072					
M.C.C.	Initials																			
	Date																			
	W.O.#																			

Elk Grove Water District

Preventative Maintenance Program

Well 4D Webb

Item	Monthly												Semi-annual			Annual				
	Refer.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Refer.	1ST 6-MO.	2ND 6-MO.	Refer.	2016		
Pump	Initials	WQ	AH	WQ	WQ	WQ	WQ/MW	WQ							WQ/MW					
	Date	1/21/16		3/15/16	4/11/16	5/24/16	6/16/16	7/12/16							6/7/16					
	W.O. #	13593	13742	13875	13958	14013	14094	14122							14095					
		Sect: 8.1.1												Sect: 8.2.1			Sect: 8.3.1			
Motor	Initials	WQ	AH	WQ	WQ	WQ	WQ/MW	WQ							WQ/MW					
	Date	1/21/16		3/15/16	4/11/16	5/24/16	6/16/16	7/12/16							6/7/16					
	W.O. #	13593	13742	13875	13958	14013	14094	14122							14095					
		Sect: 8.1.2												Sect: 8.2.2			Sect: 8.3.2			
Press/Lvl Transdr.	Initials																			
	Date																			
	W.O. #																			
		Sect: 8.1.3												Sect: 8.2.3			Sect: 8.3.3			
Isolation Valves	Initials																			
	Date																			
	W.O. #																			
		Sect: 8.1.4												Sect: 8.2.4			Sect: 8.3.4			
Cla-Val	Initials																			
	Date																			
	W.O. #																			
		Sect: 8.1.5												Sect: 8.2.5			Sect: 8.3.5			
Mag-Meter	Initials																			
	Date																			
	W.O. #																			
		Sect: 8.1.6												Sect: 8.2.6			Sect: 8.3.6			
A.R.V.	Initials																			
	Date																			
	W.O. #																			
		Sect: 8.1.7												Sect: 8.2.7			Sect: 8.3.7			
M.C.C.	Initials																			
	Date																			
	W.O. #																			
		Sect: 8.1.8												Sect: 8.2.8			Sect: 8.3.8			
Portable Generator	Initials	WQ	AH	WQ	WQ	WQ	WQ/MW	WQ							WQ/MW					
	Date	1/21/16		3/15/16	4/11/16	5/24/16	6/16/16	7/12/16							6/7/16					
	W.O. #	13593	13742	13875	13958	14013	14094	14122							14095					
		Sect: 8.1.9												Sect: 8.2.9			Sect: 8.3.9			
Generator Set	Initials																			
	Date																			
	W.O. #																			
		Sect: 8.1.10												Sect: 8.2.10			Sect: 8.3.10			

=Well Offline

Elk Grove Water District

Preventative Maintenance Program

Well 11D Dino

Item	Monthly												Semi-annual			Annual			
	Refer.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Refer.	1ST 6-MO.	2ND 6-MO.	Refer.	2016	
Pump	Initials	WQ	AH	WQ	AH	AH	WQ/MW	AH/MW						Sect: 9.1.1	WQ/MW		Sect: 9.2.1	AH/WQ	6/20/16
	Date	1/7/16	2/18/16	3/16/16			6/28/16	7/6/16							6/7/16				
	W.O. #	13591	13741	13874	13957	14014	14074	14121							14075				
Motor	Initials	WQ	AH	WQ	AH	AH	WQ/MW	AH/MW						Sect: 9.1.2	WQ/MW		Sect: 9.2.2	AH/WQ	6/20/16
	Date	1/7/16	2/18/16	3/16/16			6/28/16	7/6/16							6/7/16				
	W.O. #	13591	13741	13874	13957	14014	14074	14121							14075				
Press/LV Transdr.	Initials													Sect: 9.3.2			Sect: 9.3.2		
	Date																		
	W.O. #																		
Isolation Valves	Initials													Sect: 9.3.6			Sect: 9.3.6		
	Date																		
	W.O. #																		
Cla-Val	Initials													Sect: 9.3.1			Sect: 9.3.1		
	Date																		
	W.O. #																		
Mag-Meter	Initials													Sect: 9.3.3			Sect: 9.3.3		
	Date																		
	W.O. #																		
A.R.V.	Initials													Sect: 9.3.4			Sect: 9.3.4		
	Date																		
	W.O. #																		
M.C.C.	Initials													Sect: 9.3.5			Sect: 9.3.5		
	Date																		
	W.O. #																		
Portable Generator	Initials	WQ	AH	WQ	AH	AH	WQ/MW	AH/MW						Sect: 9.1.3	WQ/MW		Sect: 9.2.4	AH/WQ	6/20/16
	Date	1/7/16	2/18/16	3/16/16			6/28/16	7/6/16							6/7/16				
	W.O. #	135911	13741	13874	13957	14014	14074	14121							14075				
Generator Set	Initials													Sect: 9.4.2			Sect: 9.4.2		
	Date																		
	W.O. #																		

=Well Offline

Year: 2016

Elk Grove Water District

Preventative Maintenance Program

Well 14D Railroad

Item	Monthly												Semi-annual		Annual			
	Refer.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Refer.	1ST 6-MO.	2ND 6-MO.	Refer.	2016
Pump	7.1.1	WQ 1/5/16 13589	WQ 2/3/16 13739	WQ 3/22/16 13879	WQ 4/5/16 13962	WQ 5/19/16 14012	WQ/MW 6/21/16 14073	WQ 7/13/16 14123						7.2.1	WQ/MW 6/7/16 13969		7.3.2	
Motor	7.1.2	WQ 1/5/16 13589	WQ 2/3/16 13739	WQ 3/22/16 13879	WQ 4/5/16 13962	WQ 5/19/16 14012	WQ/MW 6/21/16 14073	WQ 7/13/16 14123						7.2.2	WQ/MW 6/7/16 13969		7.3.6	
Press/Lvl Transdr.																		
Isolation Valves																		
Cla-Val																		
Mag-Meter																		
A.R.V.														7.2.3	WQ/MW 6/7/16 13969		7.3.4	
M.C.C.																		

Elk Grove Water District

Preventative Maintenance Program

WELL 3 MAR-VAL

Item	Monthly												Quarterly				Semi-annual				Annual					
	Refer.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Refer.	1st	2nd	3rd	4th	Refer.	1st	6-2ND	6-3RD	6-4TH	Refer.	2016	
Motor	Section: 12.1.2	WQ 1/13/16 13586	AH/WQ 2/24/16 13737	WQ 3/22/16 13876	WQ 4/12/16 13961	WQ 5/26/16 14015	WQ/MW 6/13/16 14076	AH/WQ 7/11/16 14125													WQ/MW 6/7/16 14078					
Pump	Section: 12.1.1	WQ 1/13/16 13586	AH/WQ 2/24/16 13737	WQ 3/22/16 13876	WQ 4/12/16 13961	WQ 5/26/16 14015	WQ/MW 6/13/16 14076	AH/WQ 7/20/16 14125													WQ/MW 6/7/16 14078					
Chlorine Pump																										
Air Changer																										
Check Valve																										
A.R.V.																										
M.C.C.																										
Pneumat Tank																										
Isolation Valves																										
Propeller Meter																										

Elk Grove Water District

Preventative Maintenance Program

Well 8 Williamson

Item	Monthly												Quarterly				Semi-annual			Annual							
	Refer.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Refer.	1st	2nd	3rd	4th	Refer.	1st	2nd	3rd	4th	Refer.	2016		
Motor	Section: 11.1.2	AH 1/13/16 13587	AH 2/18/16 13738	WQ/MW 3/23/16 13872	AH 4/11/16 13959	WQ 5/25/16 14018	WQ/MW 6/9/16 14079	AH/WQ 7/11/16 14120						Section: 11.3.2	WQ/MW 6/7/16 14081				Section: 11.3.2	WQ/MW 6/7/16 14081				Section: 11.3.2			
Pump	Section: 11.1.1	AH 1/13/16 13587	AH 2/18/16 13738	WQ/MW 3/23/16 13872	AH 4/11/16 13959	WQ 5/25/16 14018	WQ/MW 6/9/16 14079	AH 7/20/16 14120						Section: 11.2.1	WQ/MW 3/23/16 13873	AH 6/15/16 14080			Section: 11.2.1	WQ/MW 3/23/16 13873	AH 6/15/16 14080			Section: 11.2.1			
Chlorine Pump														Section: 11.2.2	WQ/MW 3/23/16 13873	AH 6/16/16 14080			Section: 11.2.2	WQ/MW 3/23/16 13873	AH 6/16/16 14080			Section: 11.2.2			
Air Charer														Section: 11.3.3	WQ/MW 6/7/16 14081				Section: 11.3.3	WQ/MW 6/7/16 14081				Section: 11.3.3			
Check Valve														Section: 11.3.4	WQ/MW 6/7/16 14081				Section: 11.3.4	WQ/MW 6/7/16 14081				Section: 11.3.4			
A.R.V.														Section: 11.4.1					Section: 11.4.1						Section: 11.4.1		
M.C.C.														Section: 11.4.2					Section: 11.4.2						Section: 11.4.2		
Pneumat Tank														Section: 11.4.3					Section: 11.4.3						Section: 11.4.3		
Isolation Valves														Section: 11.4.4					Section: 11.4.4						Section: 11.4.4		
Propeller Meter														Section: 11.4.5					Section: 11.4.5						Section: 11.4.5		

Year: 2016

Elk Grove Water District

Preventative Maintenance Program

Well 9 Polhemus

Item	Check Valve	Monthly												Quarterly				Annual		
		Refer.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1st	2nd	3rd	4th	Refer.	2016
Chlorine Pump	Initials Date W.O. #	1/11/16 13588	2/4/16 13736	3/22/16 13870	4/7/16 13960	5/11/16 14017	6/15/16 14084	7/20/16 14119							WQ 3/22/16 13871	AH 6/15/16 14085			TBD	
Air Charer	Initials Date W.O. #														WQ 3/22/16 13871	AH 6/16/16 14085			TBD	
Isolation Valves	Initials Date W.O. #																			
A.R.V.	Initials Date W.O. #																			
M.C.C.	Initials Date W.O. #																			
Pneumat Tank	Initials Date W.O. #														WQ 3/22/16 13871	AH 6/16/16 14085			TBD	
Propeller Meter	Initials Date W.O. #																			

Elk Grove Water District
Backflow Prevention Program 2016

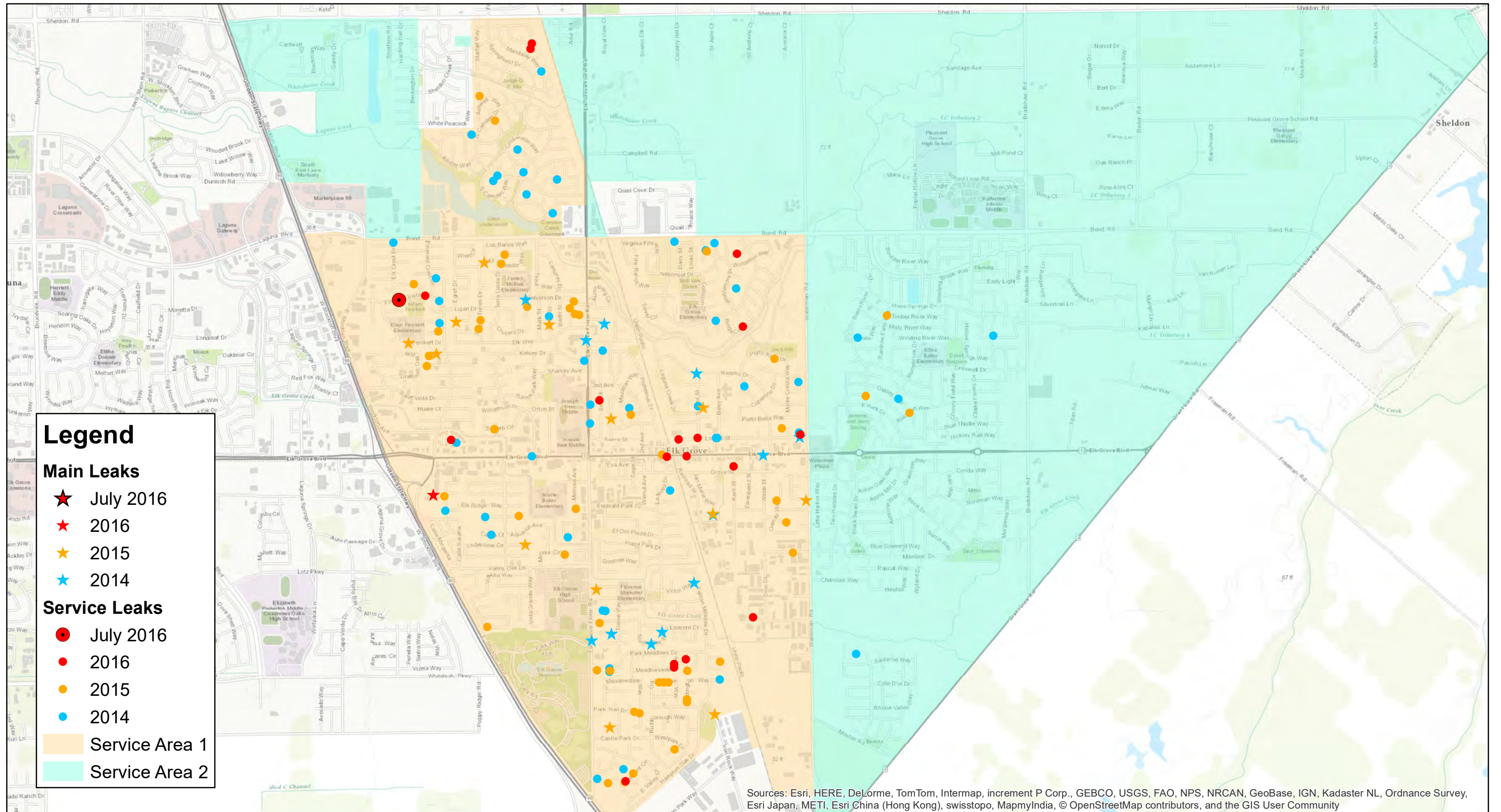
Backflow Device Reports												
CURRENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Notices Issued	21	38	74	12	58	67	166					
Pass:	12	38	61	11	50	44	122					
Fail:	0	0	4	1	0	3	9					
Failed Devices Retested----Passed			3	1		3	7					
Outstanding Results Due	9	0	10	0	8	20	37					

DELINQUENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Investigations							2					
Deactivated Devices							1					
Sent:	9	0	9		8	20	32					
Received:	9	0	8		8	1	12					
Sent:			2			19						
Received:			2			12						
Schedule Code Changed												
Outstanding Delinquents												
Carryover from 2015	0	0	0	0	0	7	22					

Total Outstanding Delinquents	29
--------------------------------------	-----------

Elk Grove Water District
Safety Meetings/Training
Jul-16

Date:	Topic:	Attendees:	Hosted By:
7/5/2016	Hot Work	Steve Shaw, Aaron Hewitt, Jose Carrillo, David Frederick, Sean Hinton, Justin Mello, Michael Montiel, John Vance, Marcell Wilson, Richard Salas, Sal Mendoza, Chris Phillips, Travis Franklin, William Sadler	Erick Watkins
7/11/2016	Lockout/Tagout	John Diaz, Chris Phillips, John Vance, Richard Salas, Justin Mello, Sal Mendoza, Jose Mendoza, Sean Hinton, William Sadler, Travis Franklin, Aaron Hewitt, David Frederick, Brandon Wagner, Jose Carrillo, Wilfredo Quintero, Marcell Wilson, Steve Shaw	Erick Watkins
7/18/2016	Truck & Traffic Safety	Steve Shaw, Aaron Hewitt, Jose Carrillo, John Diaz, Sean Hinton, Justin Mello, Jose Mendoza, Michael Montiel, John Vance, Marcell Wilson, Richard Salas, Alan Aragon, Sal Mendoza, Chris Phillips, Brandon Wagner, William Sadler	Erick Watkins
7/25/2016	Worker Beware: Contact with Energized Electric Equipment can be Deadly	Steve Shaw, Aaron Hewitt, Jose Carrillo, John Diaz, Sean Hinton, Justin Mello, Jose Mendoza, Michael Montiel, Marcell Wilson, Richard Salas, Alan Aragon, Sal Mendoza, Chris Phillips, Brandon Wagner, William Sadler	Erick Watkins
7/28/2016	Workplace Violence	All Staff Required to Attend	Erick Watkins



Legend

Main Leaks

- ★ July 2016
- ★ 2016
- ★ 2015
- ★ 2014

Service Leaks

- July 2016
- 2016
- 2015
- 2014

■ Service Area 1

■ Service Area 2

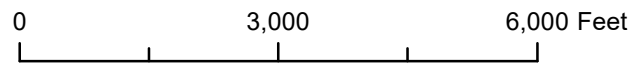
Sources: Esri, HERE, DeLorme, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

July 2016	
Main Line Leaks: 0	YTD: 1
Service Line Leaks: 1	YTD: 19
Total Leaks: 1	YTD: 20

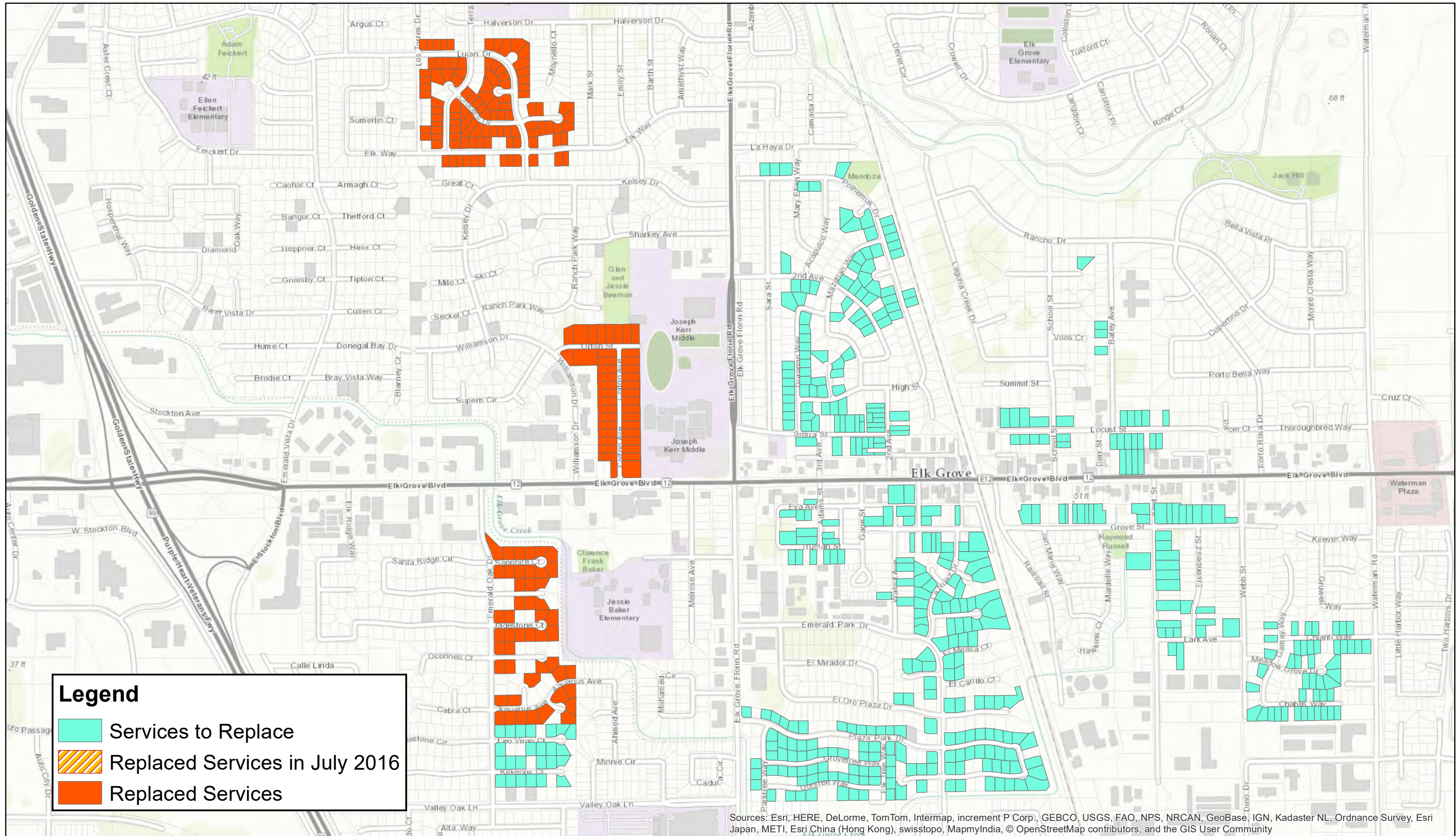


Elk Grove Water District

Main and Service Line Leaks Map



Elk Grove Water District
Service / Main Leaks
Created by: Travis Franklin
Date: August 9, 2016



Legend

- Services to Replace
- Replaced Services in July 2016
- Replaced Services

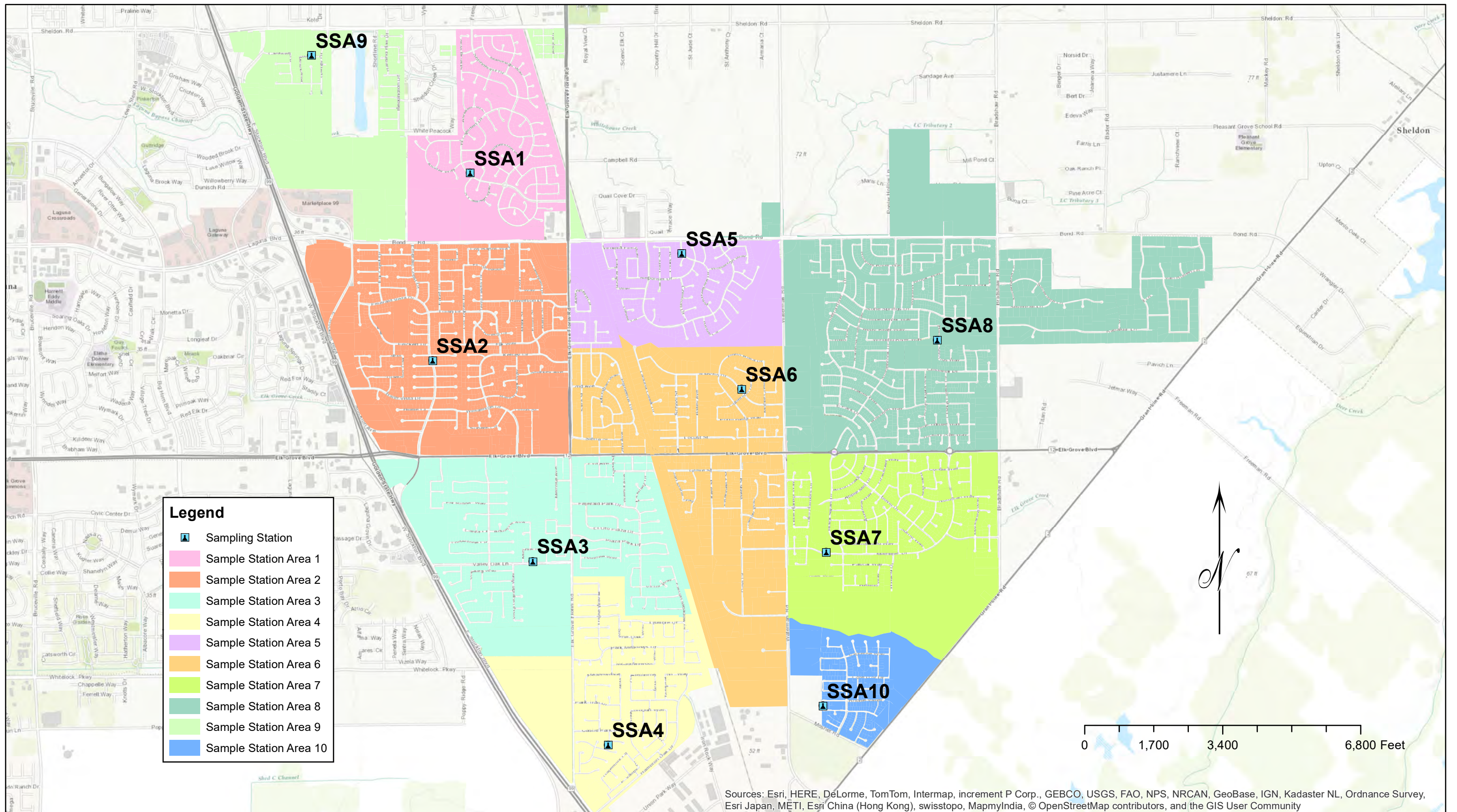
Sources: Esri, HERE, DeLorme, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

Services to Replace: 431
Services Replaced in July 2016: 0
Total Service Replaced: 191

Elk Grove Water District

Service Line Replacement

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: August 9, 2016 49



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

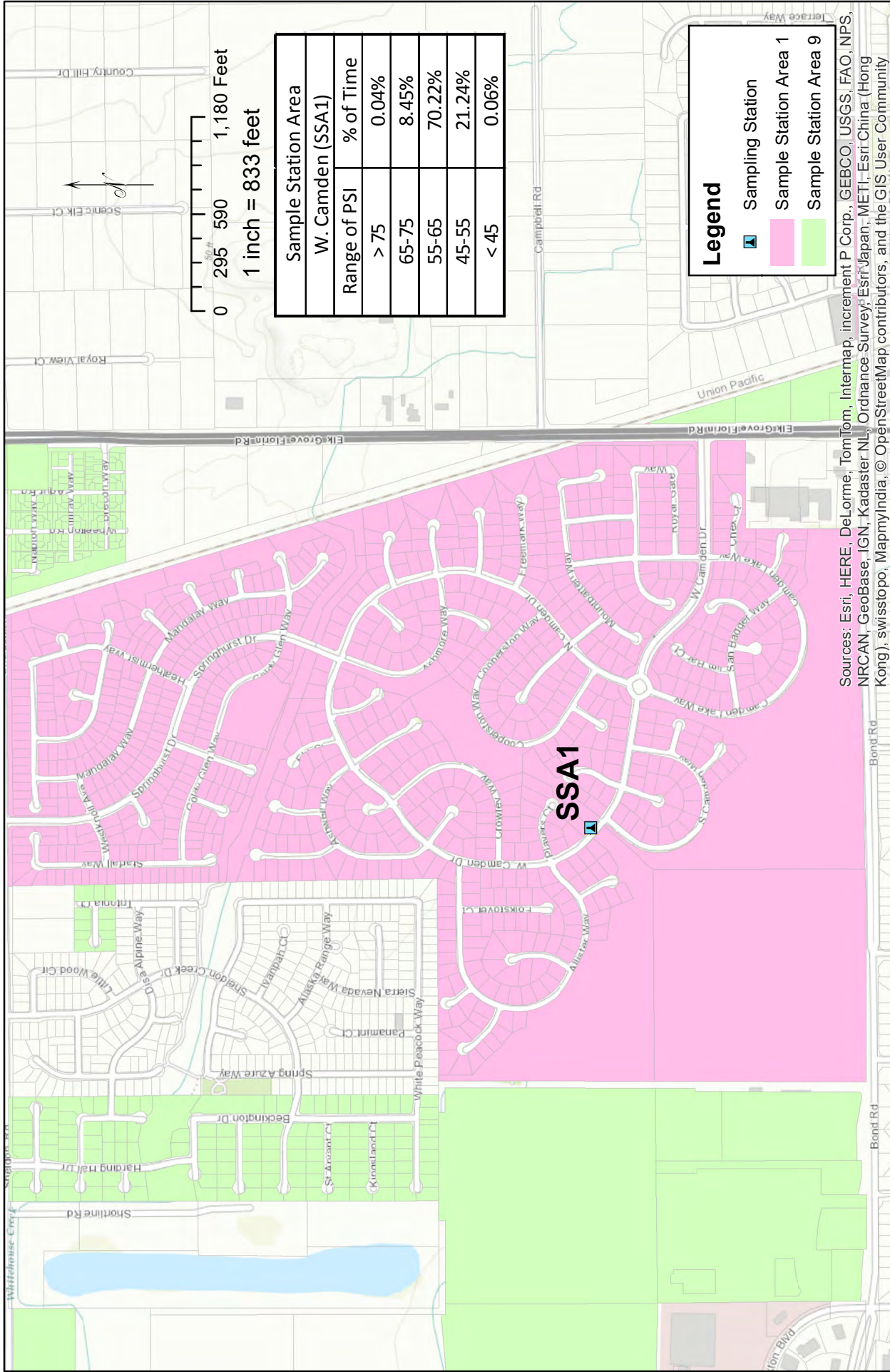
Sources: Esri, HERE, DeLorme, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

Sample Stations: 10



Elk Grove Water District
Sample Station Areas

Projected Coordinate System: NAD 83 State Plane CA II FIPS 0402
Source: EGWD GIS database
Modified by: Travis Franklin
August 9, 2016



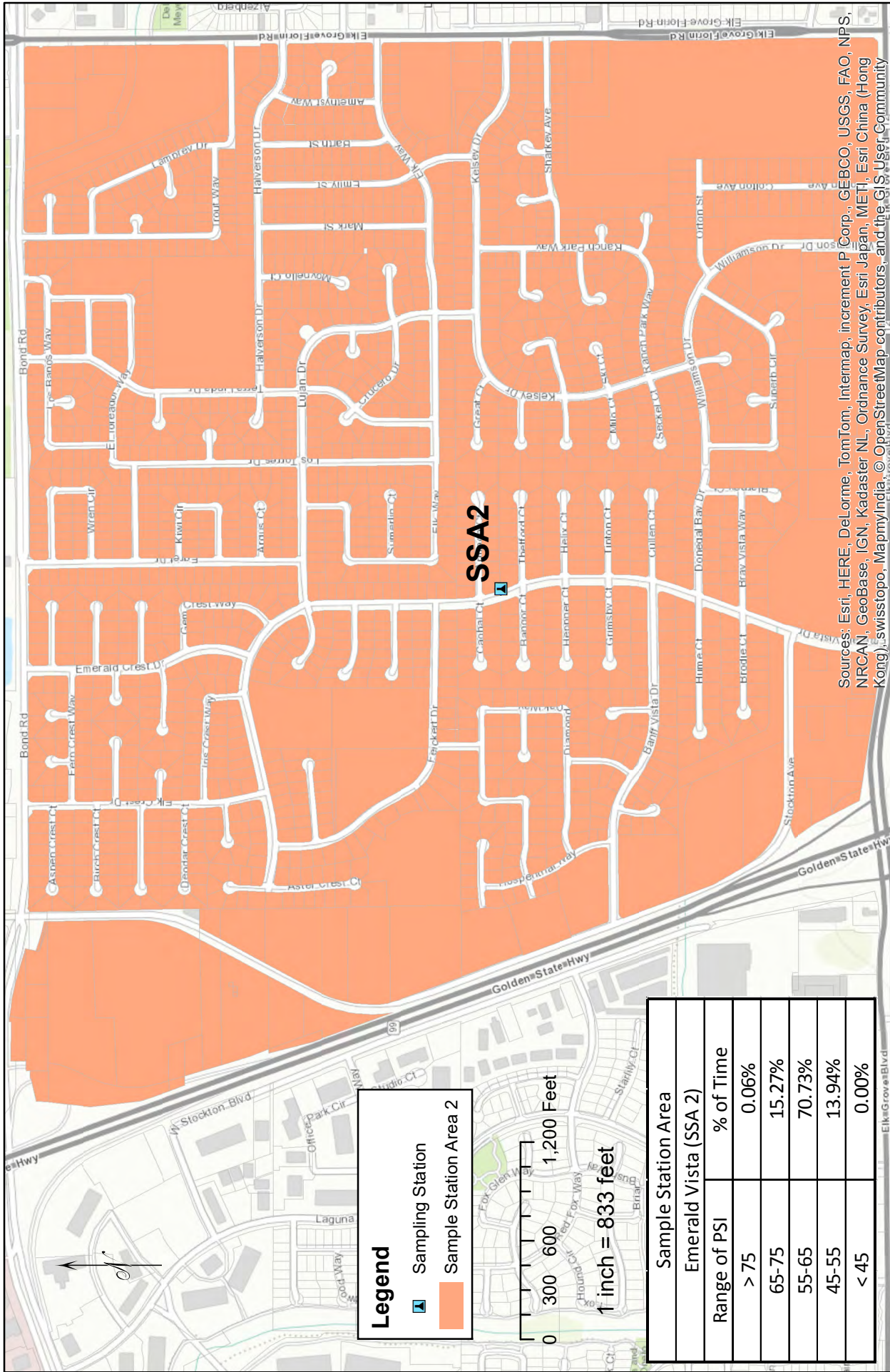
Sources: Esri, HERE, DeLorme, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisslpo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

Sample Station #1
 Note: Sample Station takes a reading every 5 minutes.
 July 2016

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
 August 9, 2016



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	% of Time
Emerald Vista (SSA 2)	
Range of PSI	
> 75	0.06%
65-75	15.27%
55-65	70.73%
45-55	13.94%
< 45	0.00%

Sample Station #2

Note: Sample Station takes a reading every 5 minutes.

July 2016



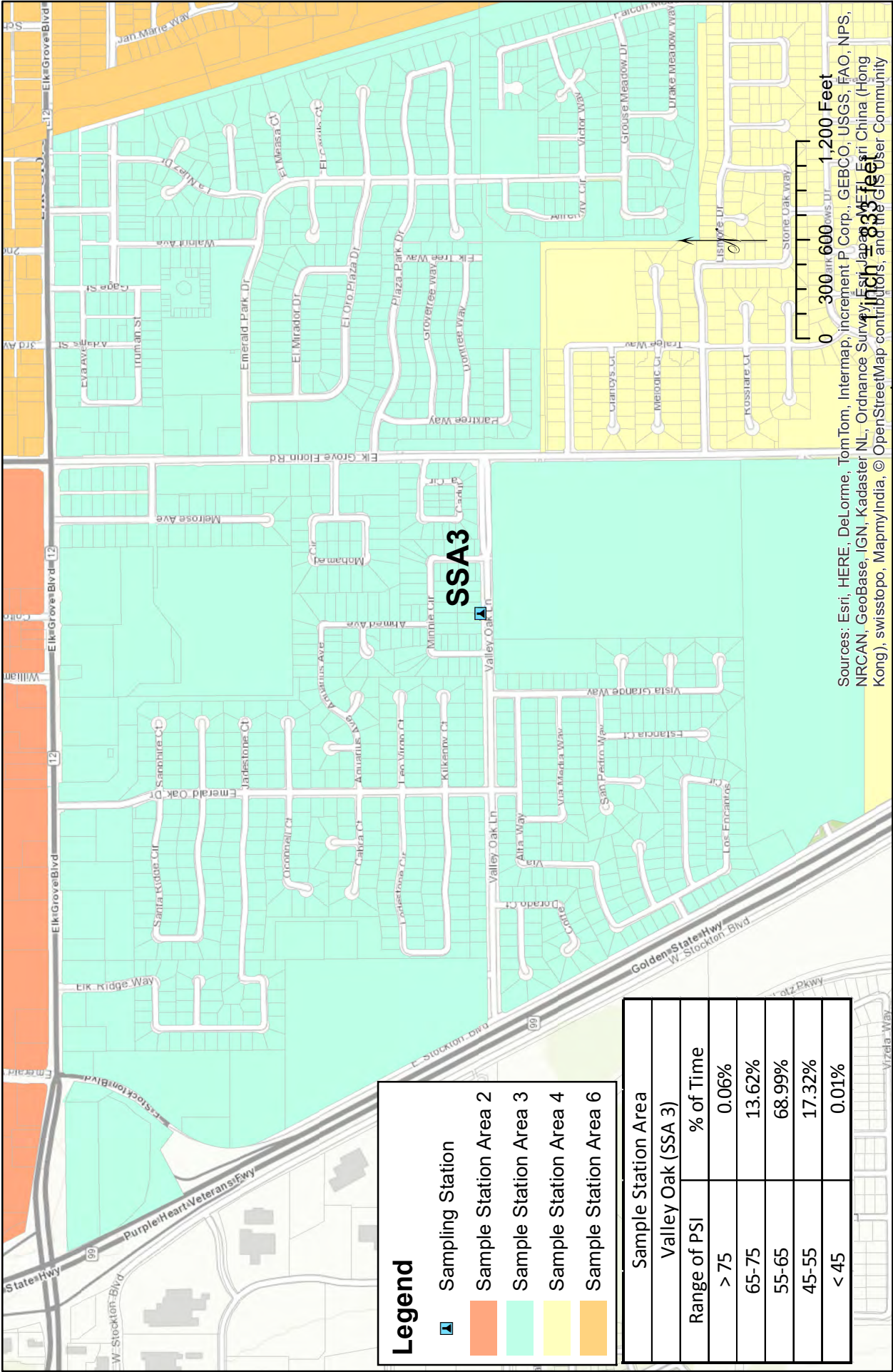
Elk Grove Water District

System Pressure Monitoring

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

Source: EGWD GIS database

Created by: Travis Franklin
 August 9, 2016



Sources: Esri, HERE, DeLorme, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, Swisstopo, 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)	> 75	0.06%
	65-75	13.62%
	55-65	68.99%
	45-55	17.32%
	< 45	0.01%

Sample Station #3

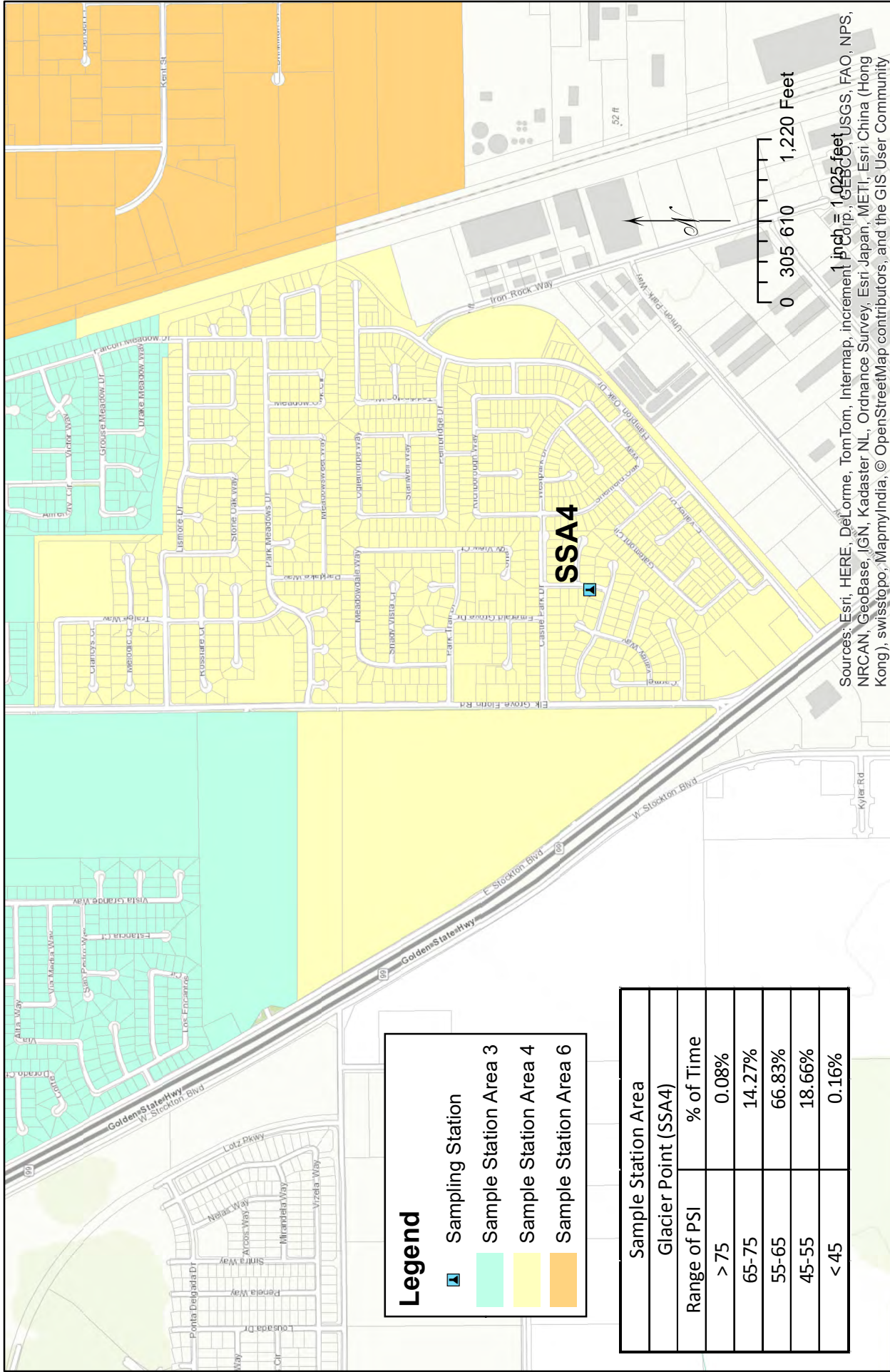
Note: Sample Station takes a reading every 5 minutes.

July 2016

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
August 9, 2016



1 inch = 1,025 feet
 Sources: Esri, HERE, DeLorme, TomTom, Intermap, increment, 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 3
- Sample Station Area 4
- Sample Station Area 6

Sample Station Area	Glacier Point (SSA4)	% of Time
Range of PSI		
> 75		0.08%
65-75		14.27%
55-65		66.83%
45-55		18.66%
< 45		0.16%



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
 August 9, 2016

Sample Station #4
 Note: Sample Station takes a reading every 5 minutes.
 July 2016



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	
Amsden (SSA 5)	
Range of PSI	% of Time
> 75	0.00%
65-75	2.85%
55-65	64.79%
45-55	31.52%
< 45	0.84%



Elk Grove Water District

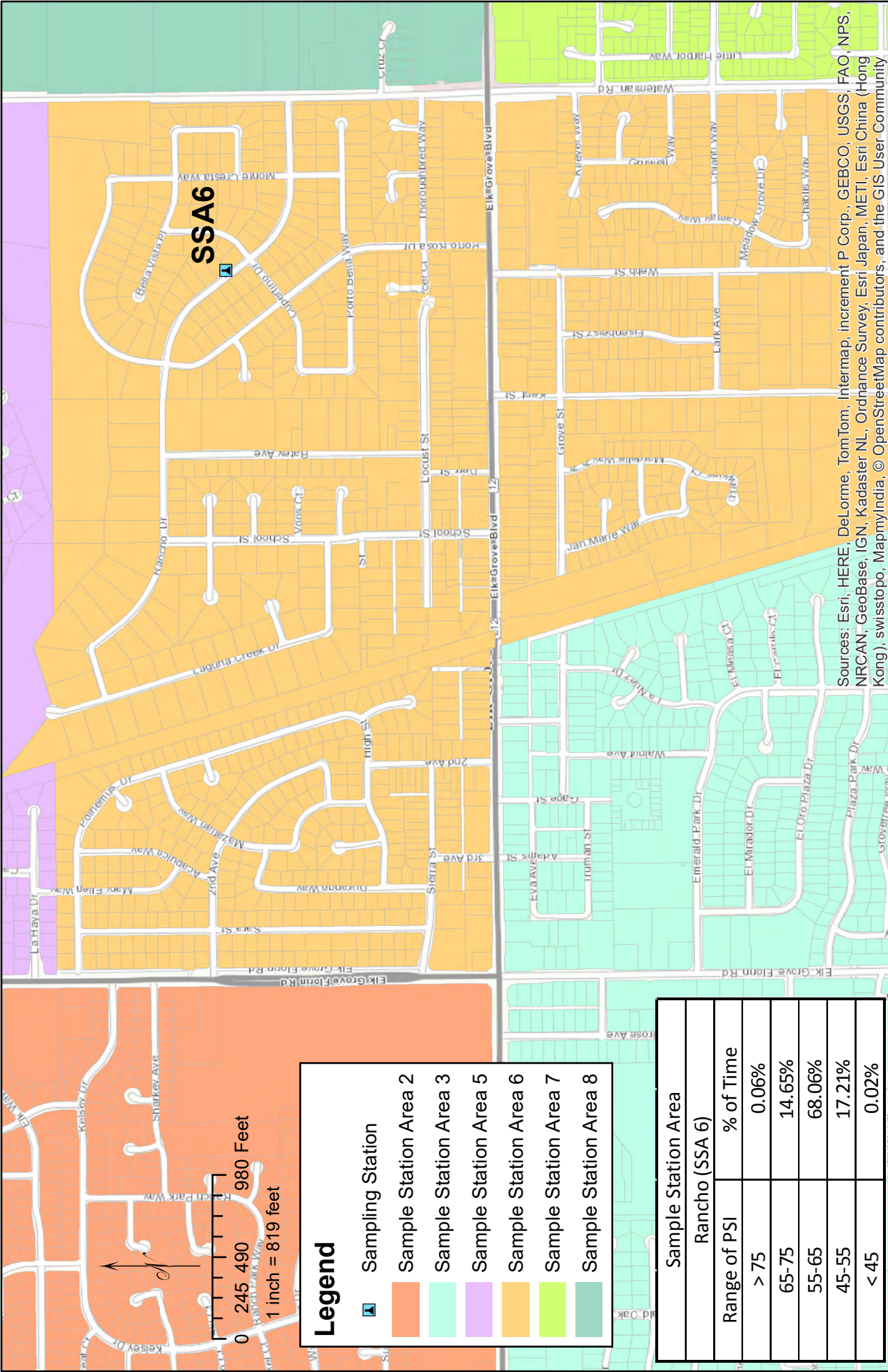
System Pressure Monitoring

Projected Coordinate System:
 NAD 83 State Plane CA II FIPS 0402
 Source: EGWD GIS database
 Created by: Travis Franklin
 August 10, 2016

Sample Station #5

Notes: Sample Station takes a reading every 5 minutes.

July 2016



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

Eik 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
 August 10, 2016



Sample Station Area	Range of PSI	% of Time
Rancho (SSA 6)	> 75	0.06%
	65-75	14.65%
	55-65	68.06%
	45-55	17.21%
	< 45	0.02%

Sample Station #6

Note: Sample Station takes a reading every 5 minutes.

July 2016



Legend

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

Sample Station Area	Range of PSI	% of Time
Mainline (SSA 7)	> 75	0.00%
	65-75	8.38%
	55-65	78.17%
	45-55	13.40%
	< 45	0.06%

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

Projected Coordinate System:
 NAD 83 State Plane CA II FIPS 0402
 Source: EGWD GIS database
 Created by: Travis Franklin
 August 10, 2016



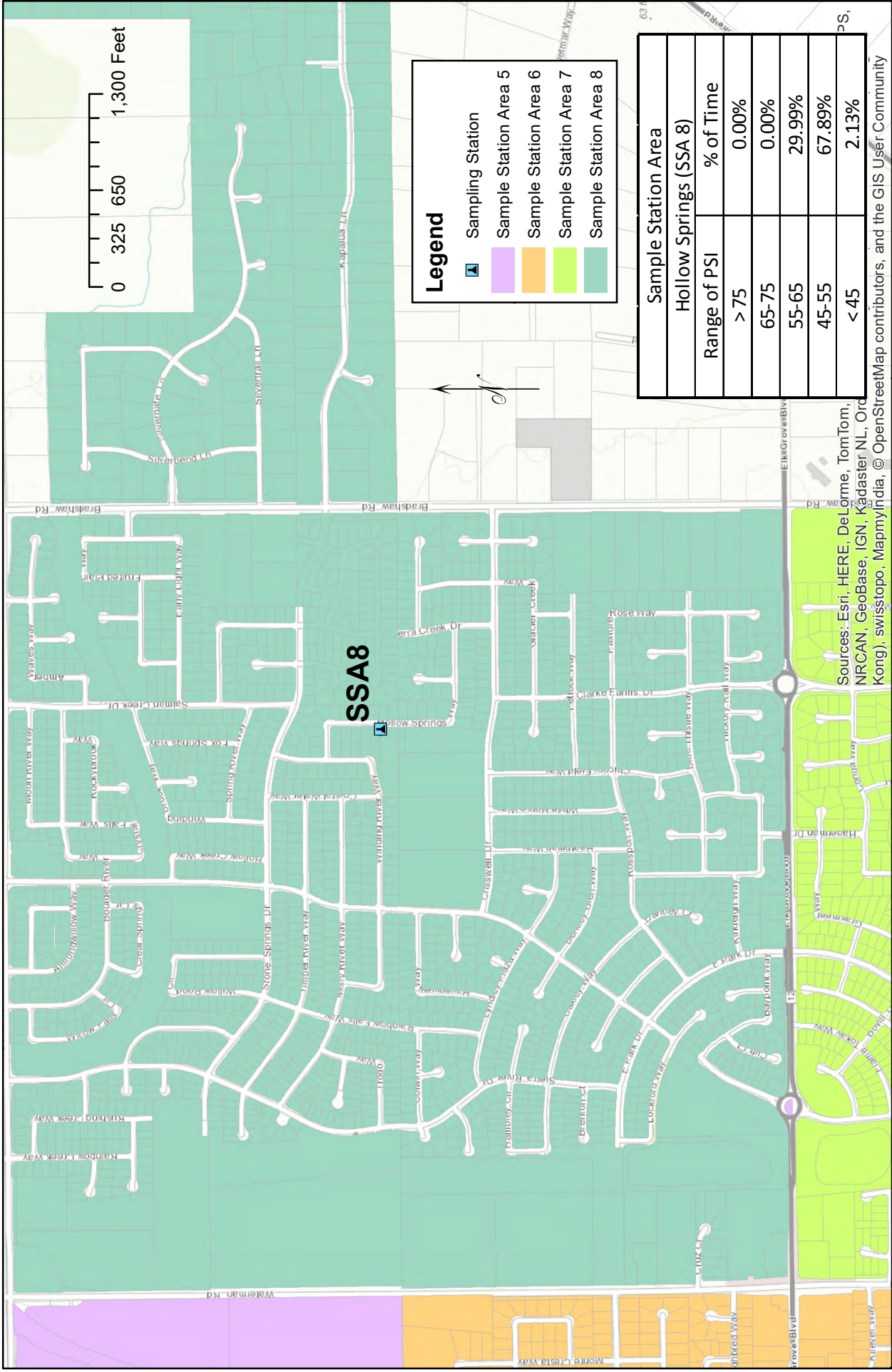
Elk Grove Water District

System Pressure Monitoring

Sample Station #7

Note: Sample Station takes a reading every 5 minutes.

July 2016



Projected Coordinate System:
 NAD 83 State Plane CA II FIPS 0402
 Source: EGWD GIS database
 Created by: Travis Franklin
 August 10, 2016

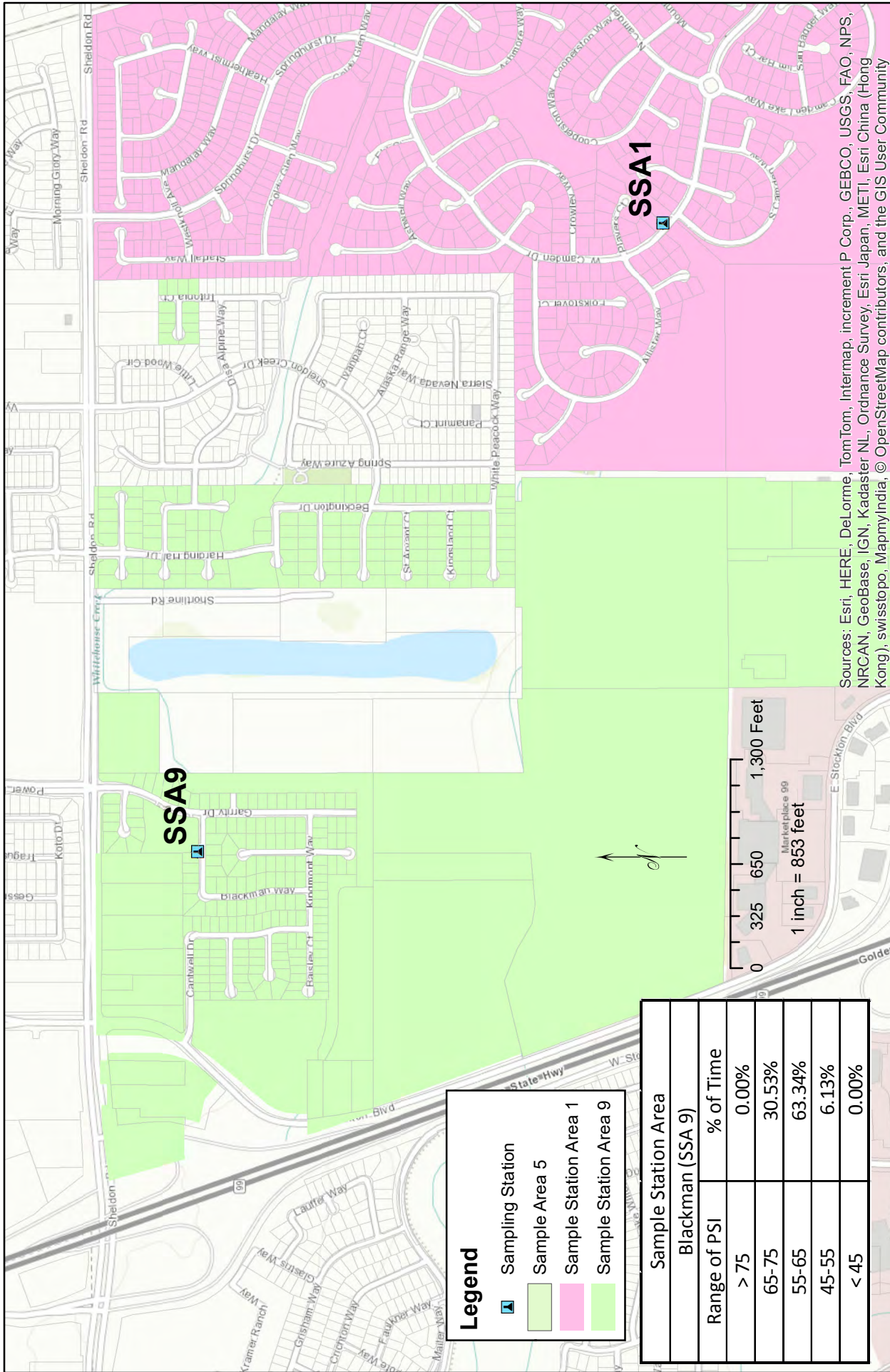
Elk Grove Water District

System Pressure Monitoring

Sample Station #8

Note: Sample Station takes a reading every 5 minutes.

July 2016



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

Legend

- Sampling Station
- Sample Area 5
- Sample Station Area 1
- Sample Station Area 9

Sample Station Area	Blackman (SSA 9)	Range of PSI	% of Time
		> 75	0.00%
		65-75	30.53%
		55-65	63.34%
		45-55	6.13%
		< 45	0.00%

Sample Station #9

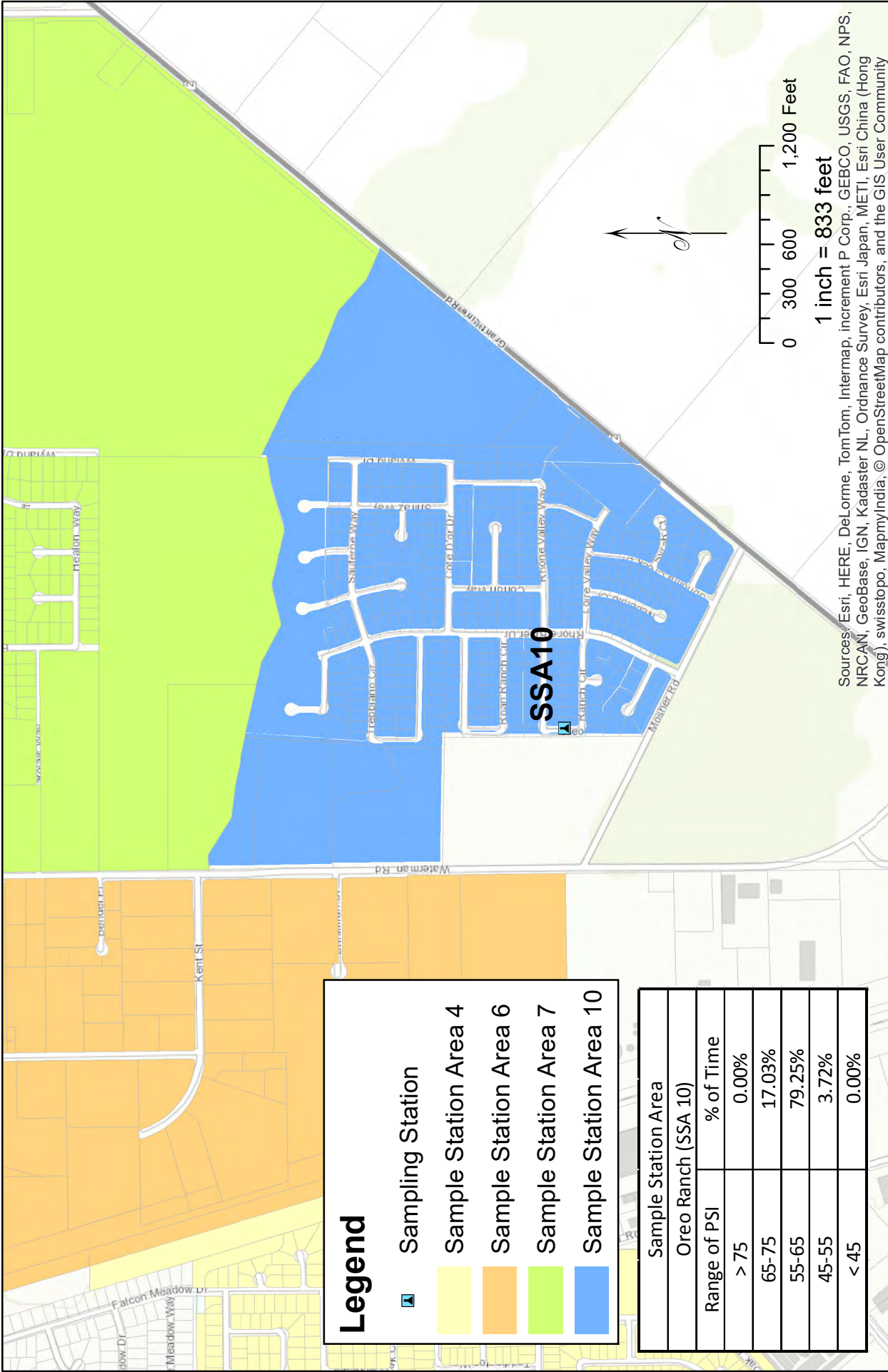
Note: Sample Station takes a reading every 5 minutes.

July 2016



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
August 10, 2016



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
> 75	0.00%
65-75	17.03%
55-65	79.25%
45-55	3.72%
< 45	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
 August 10, 2016

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

Sample Station #10

Note: Sample Station takes a reading every 5 minutes.

July 2016

EGWD

OPERATIONS REPORT

August 2016



Elk
Grove
Water
District



Elk Grove Water District

Operations Report

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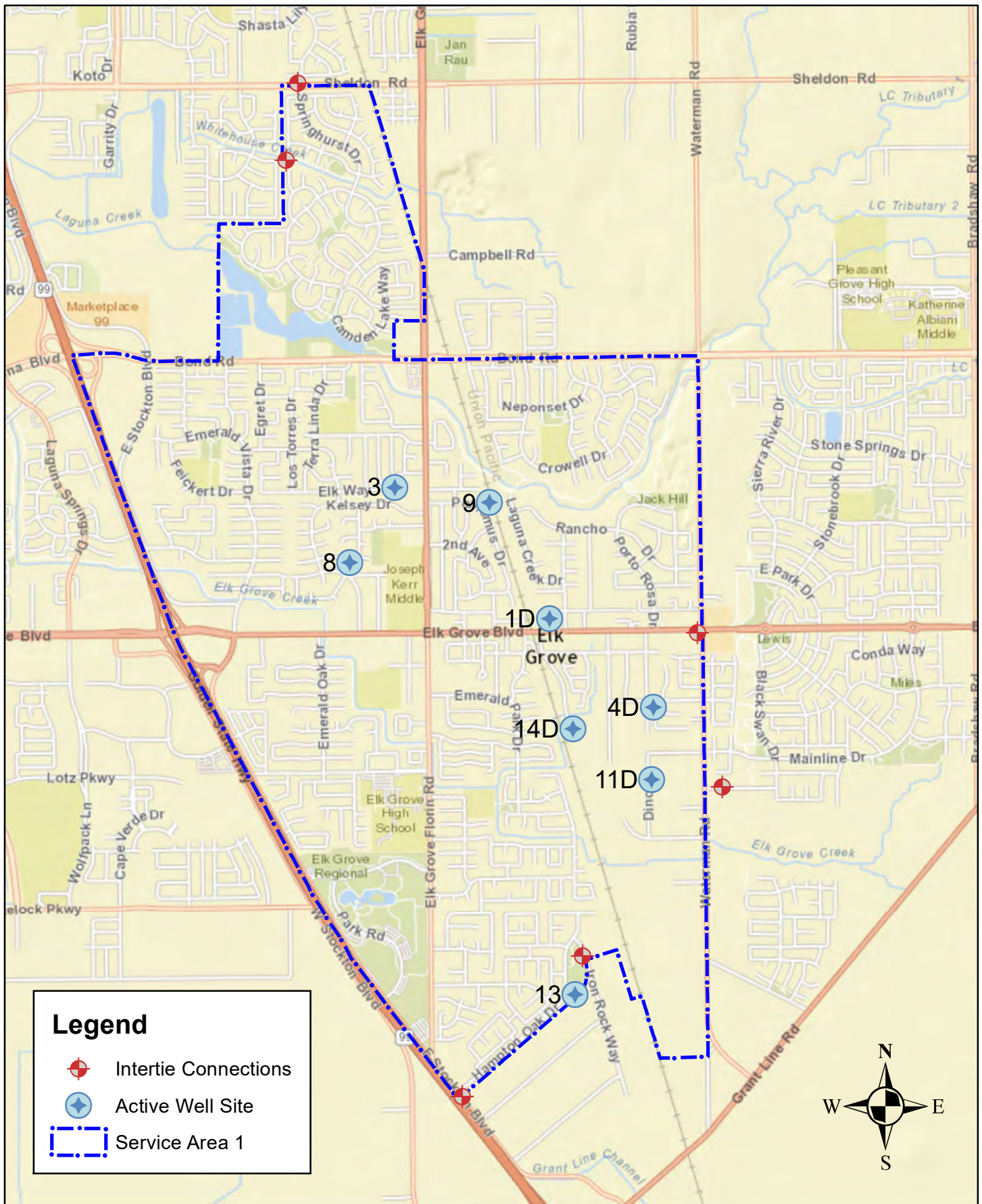
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Operations Activities Summary

<u>Service Requests:</u>	Aug-16		YTD (Since July 1, 2016)	
<u>Department</u>	<u>Service Request</u>	<u>Hours</u>	<u>Service Request</u>	<u>Hours</u>
Distribution				
Door Hangers	666	29	1080	51.75
Shut offs	60	18.75	100	29.75
Turn ons	67	22.5	111	32.25
Investigations	51	44.75	95	70.25
USA Locates	165	41.25	304	76
Customer Complaints				
-Pressure	1	0.5	6	4.25
-Water Quality	0	0	4	3.25
-Other	0	0	0	0

<u>Work Orders:</u>	Aug-16		YTD (Since July 1, 2016)	
<u>Department</u>	<u>Work Orders</u>	<u>Hours</u>	<u>Work Orders</u>	<u>Hours</u>
Treatment:				
Preventative Maint.	15	45	28	81
Corrective Maint.	3	14	7	66
Water Samples	10	60	22	90
Distribution:				
Meters Installed	0	0	0	0
Backflow Devices Installed	1	20	1	20
Preventative Maint.				
-Hydrant Flushing Program	0	0	0	0
-Hydrant Maintenance	87	16.25	184	43.75
-Valve Exercising	154	75	262	118
-Other	135	25	160	56.25
Corrective Maint.				
-Leaks	3	86	4	101
-Other	45	120.75	72	189.25
Valve Locates	4	110.5	6	139.5
Utility:				
Service Line Replacement	6	196	6	196
Corrective Maint.	0	0	0	0

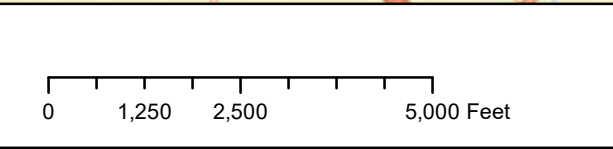


Legend

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



Active Well Sites & Intertie Connections



Elk Grove Water District



Elk Grove Water District

Monthly Production

Well 1D School -- August 2016

Selected Month Production
946,062 Gallons

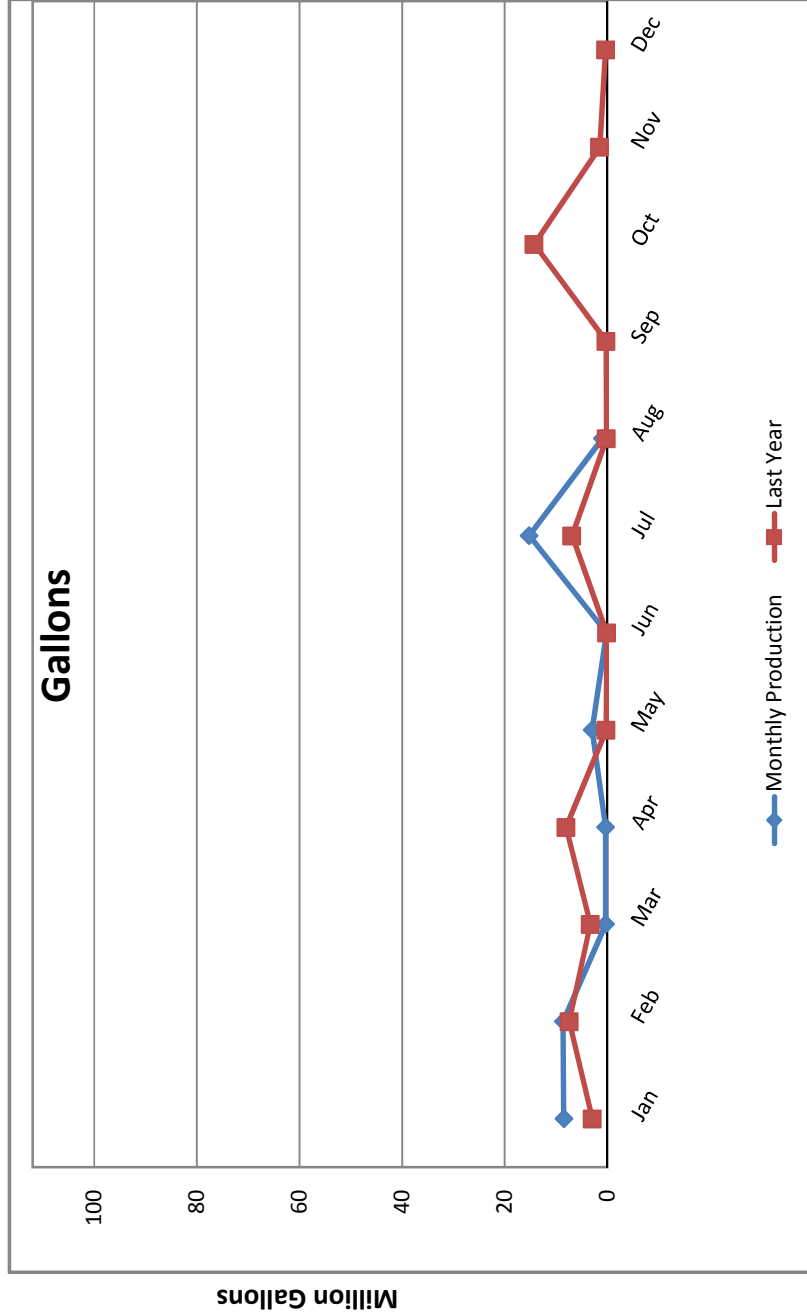
Average GPM:
1,732

Motor:
Volts: 473
Volts (Rated): 460
RPM: 2248
RPM (Rated): 2115
Amps A: 178
Amps A (Rated): 222
Amps B: 176
Amps B (Rated): 222
Amps C: 172
Amps C (Rated): 222

Motor Temp: 113.1 F
Hour Meter: 9.10
KW Hour Total: 1,680.00

Chlorine:
Dosing: 1.76
Demand: 0.59
Residual: 1.17

Vibration Reading:
Base Line: 0.05
Current: 0.01





Elk Grove Water District

Monthly Production

Well 4D Webb -- August 2016

Selected Month Production
11,378,175 Gallons

Average GPM:
1,696

Motor:

Volts: 483
 Volts (Rated): 460
 RPM: 1902
 RPM (Rated): 1775
 Amps A: 188
 Amps A (Rated): 225
 Amps B: 187
 Amps B (Rated): 225
 Amps C: 187
 Amps C (Rated): 225

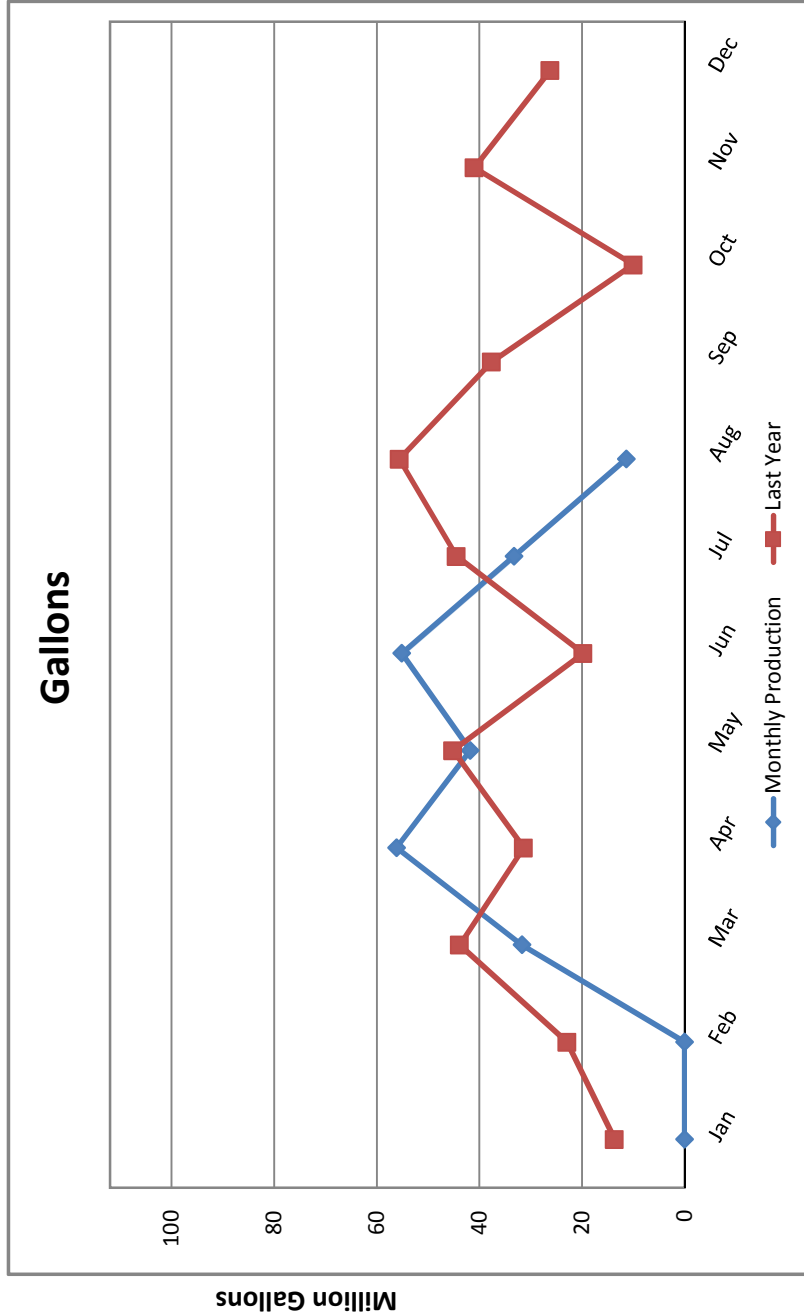
Motor Temp: 146.1 F
 Hour Meter: 111.80
 KW Hour Total: 17,880.00

Chlorine:

Dosing: 1.75 mg/L
 Demand: 0.63 mg/L
 Residual: 1.12 mg/L

Vibration Reading:

Base Line: 0.05 in/sec
 Current: 0.02 in/sec





Elk Grove Water District

Monthly Production

Well 11D Dino -- August 2016

Selected Month Production
54,863,147 Gallons

Average GPM: 1,702

Motor:

Volts: 475
 Volts (Rated): 460
 RPM: 1906
 RPM (Rated): 1775
 Amps A: 186
 Amps A (Rated): 225
 Amps B: 186
 Amps B (Rated): 225
 Amps C: 188
 Amps C (Rated): 225

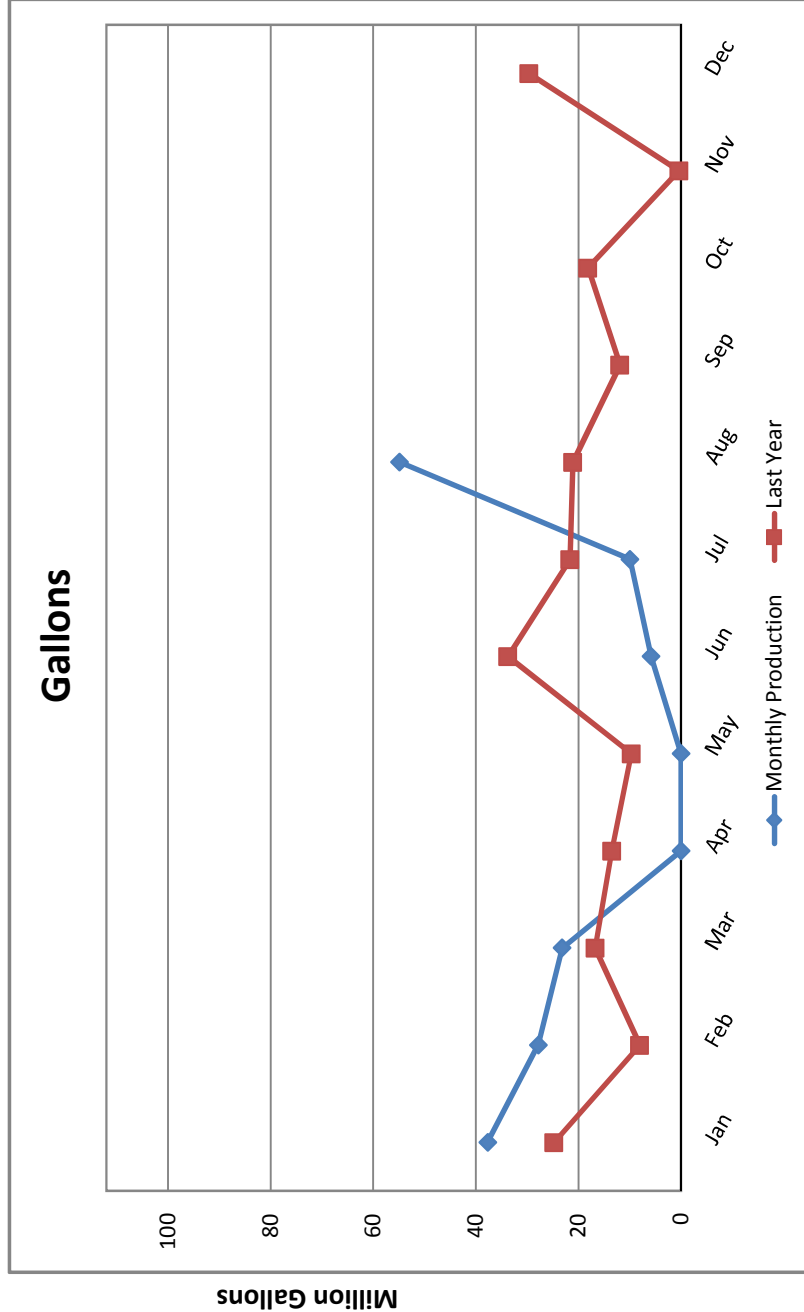
Motor Temp: 147.5 F
 Hour Meter: 537.10
 KW Hour Total: 67,140.00

Chlorine:

Dosing: 1.84 mg/L
 Demand: 0.78 mg/L
 Residual: 1.06 mg/L

Vibration Reading:

Base Line: 0.05 in/sec
 Current: 0.01 in/sec





Elk Grove Water District

Monthly Production

Well 14D Railroad -- August 2016

Selected Month Production
51,481,187 Gallons

Average GPM:
1,490

Motor:

Volts: 480
Volts (Rated): 460
RPM: 2072
RPM (Rated): 1785
Amps A: 165
Amps A (Rated): 171
Amps B: 160
Amps B (Rated): 171
Amps C: 155
Amps C (Rated): 171

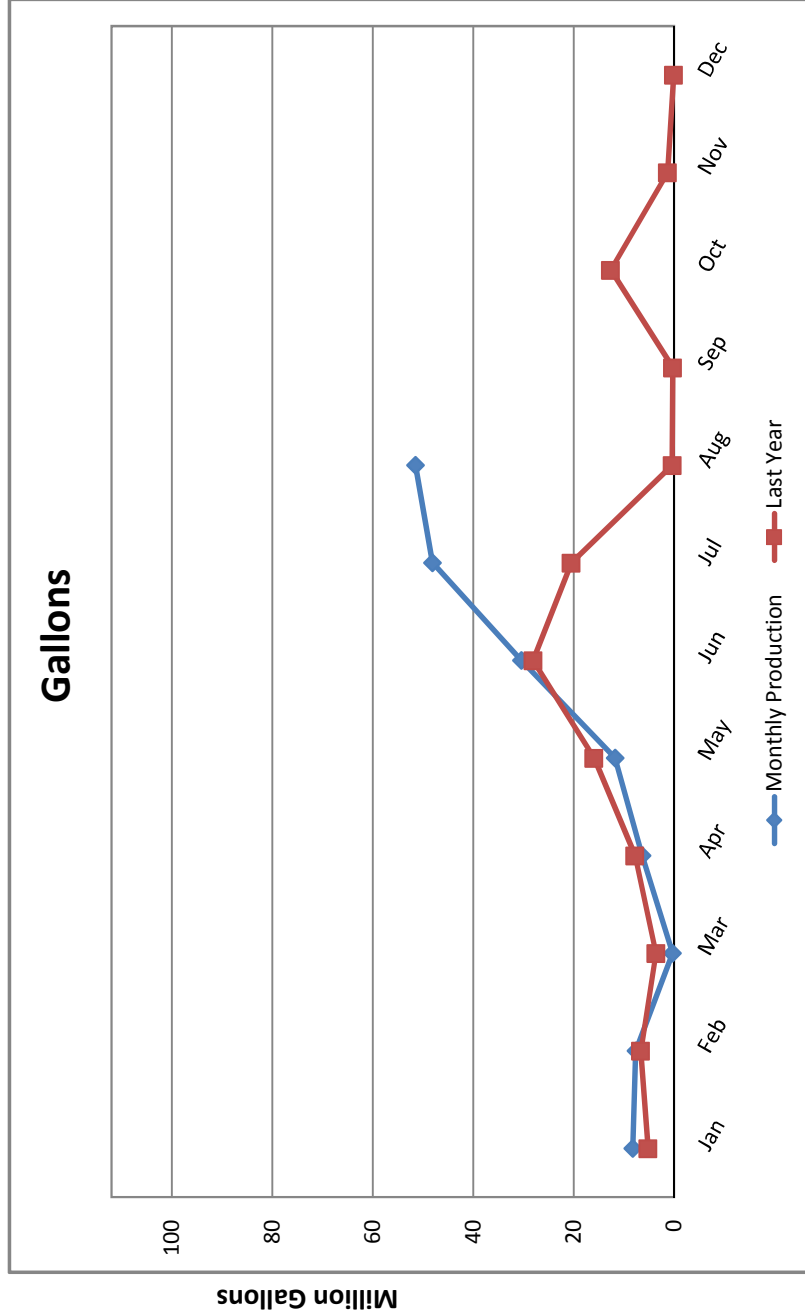
Motor Temp.: 142.5 F
Hour Meter: 575.70
KW Hour Total: 147,200.00
(KWH total is for the entire facility)

Chlorine:

Dosing: 1.92 mg/L
Demand: 0.86 mg/L
Residual: 1.06 mg/L

Vibration Reading:

Base Line: 0.02 in/sec
Current: 0.03 in/sec





Elk Grove Water District

Monthly Production

Well 3 Mar–Val -- August 2016

Selected Month Production
37,420,000 Gallons

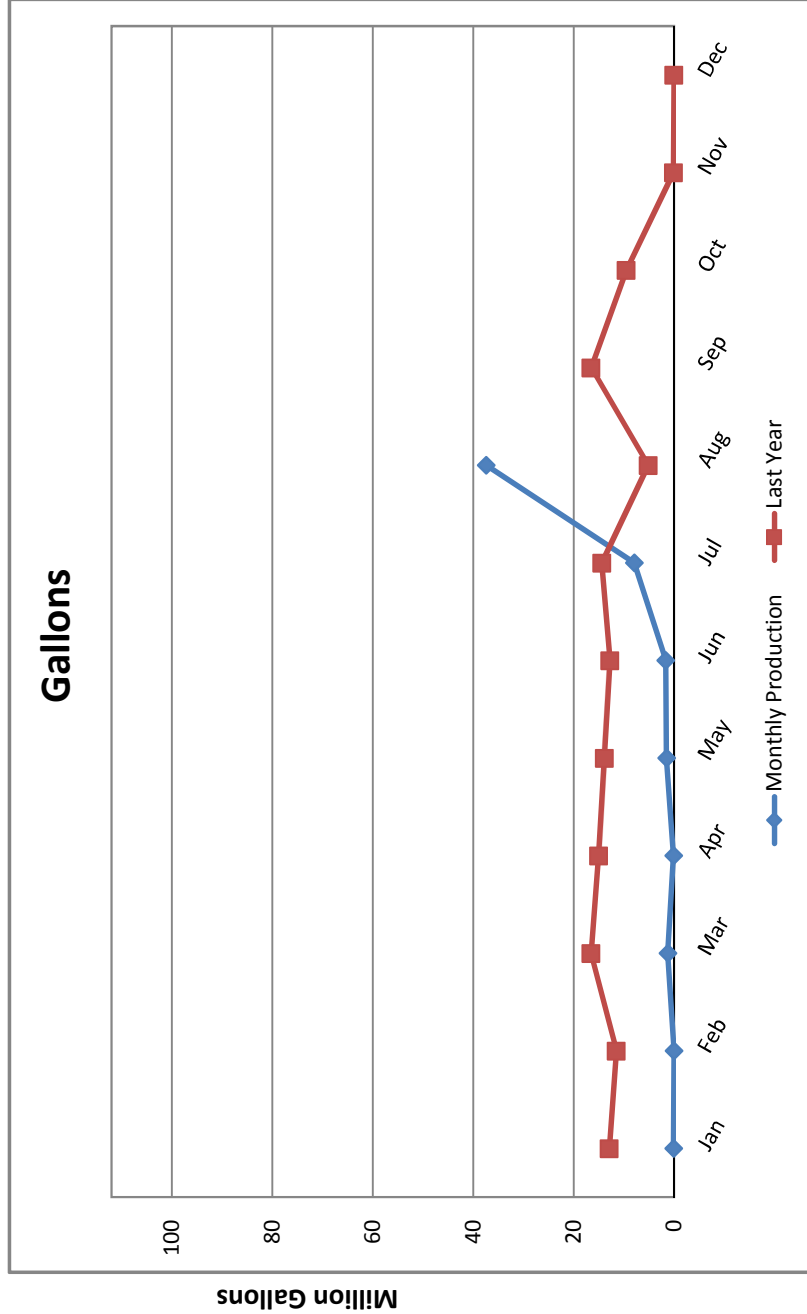
Average GPM: 902

Motor:
Volts: 482
Volts (Rated): 460
RPM: 2002
RPM (Rated): 1983
Amps A: 89
Amps A (Rated): 88
Amps B: 86
Amps B (Rated): 88
Amps C: 89
Amps C (Rated): 88

Motor Temp.: 257.1 F
Hour Meter: 691.30
KW Hour Total: 41,977.00

Chlorine:
Dosing: 1.14 mg/L
Demand: 0.44 mg/L
Residual: 0.7 mg/L

Vibration Reading:
Base Line: 0.02 in/sec
Current: 0.06 in/sec





Elk Grove Water District

Monthly Production

Well 8 Williamson -- August 2016

Selected Month Production
2,676,000 Gallons

Average GPM: 833

Motor:

Volts: 465
 Volts (Rated): 460
 RPM: 2009
 RPM (Rated): 1780
 Amps A: 87
 Amps A (Rated): 87
 Amps B: 86
 Amps B (Rated): 87
 Amps C: 84
 Amps C (Rated): 87

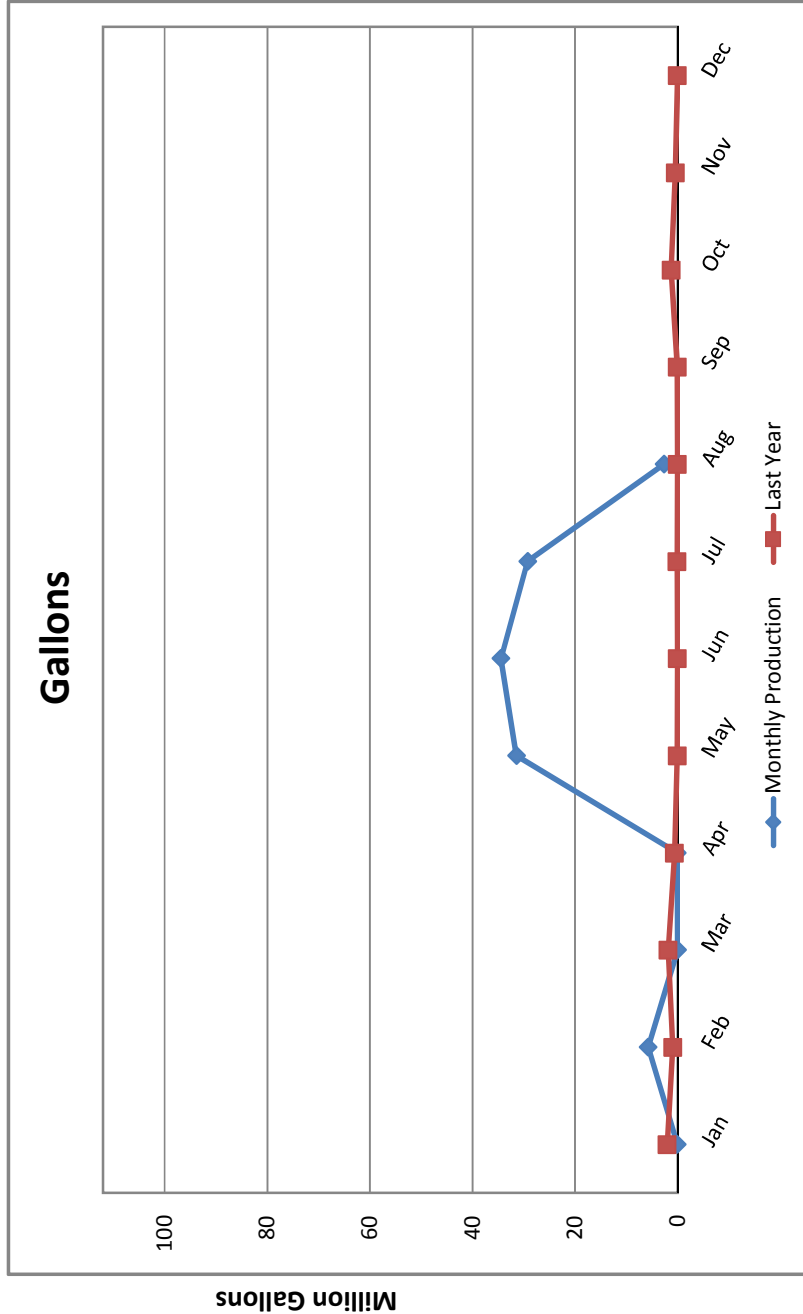
Motor Temp.: 125.6 F
 Hour Meter: 53.50
 KW Hour Total: 3,462.00

Chlorine:

Dosing: 1.19 mg/L
 Demand: 0.23 mg/L
 Residual: 0.96 mg/L

Vibration Reading:

Base Line: 0.03 in/sec
 Current: 0.06 in/sec





Elk Grove Water District

Monthly Production

Well 9 Polhemus -- August 2016
(Submersible)

Selected Month Production
737,000 Gallons

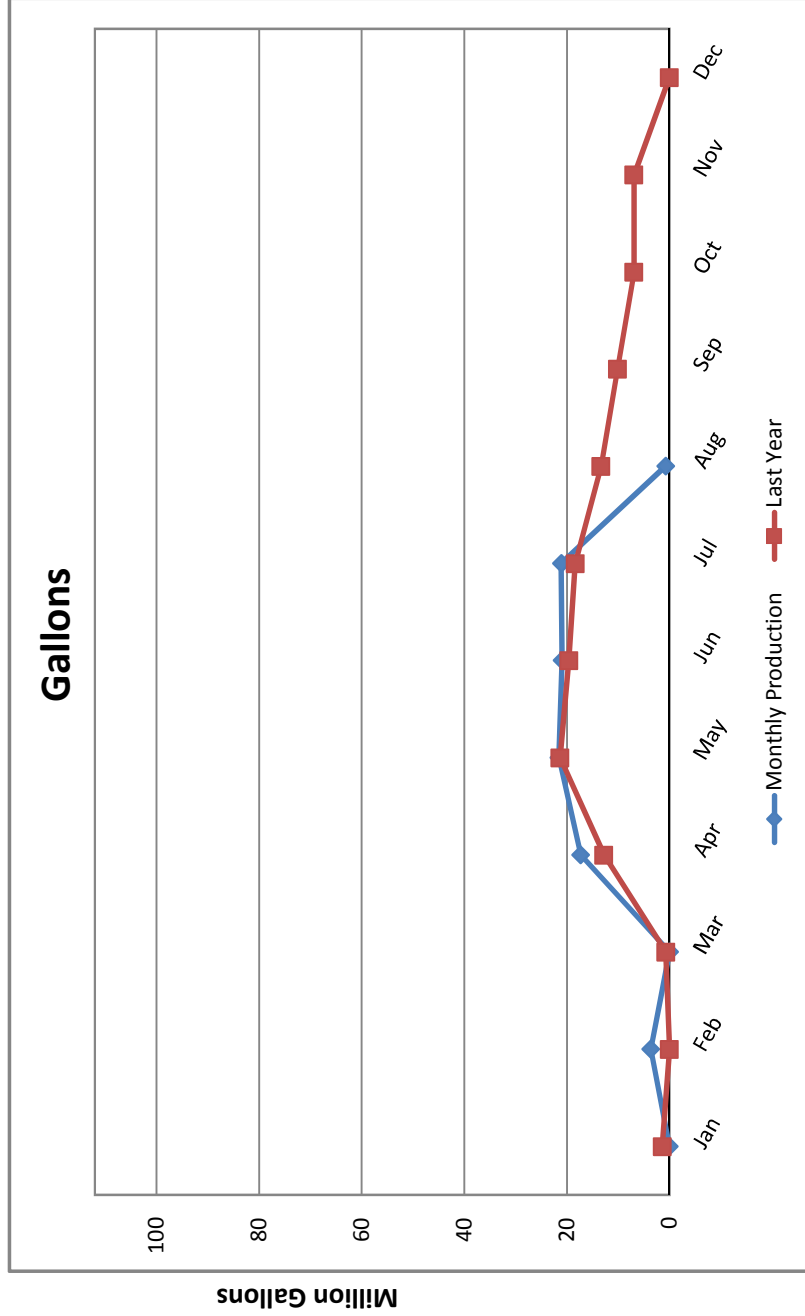
Average GPM: 487

Motor:
Volts: 489
Volts (Rated): 460

Amps A: 57
Amps A (Rated): 65
Amps B: 58
Amps B (Rated): 65
Amps C: 61
Amps C (Rated): 65

Hour Meter: 25.20
KW Hour Total: 1,012.00

Chlorine:
Dosing: 1.23 mg/L
Demand: 0.46 mg/L
Residual: 0.77 mg/L





Elk Grove Water District

Monthly Production

Well 13 Hampton -- August 2016
(Well is offline)

Selected Month Production
0 Gallons

Average GPM: 0

Motor:

Volts: 460
 RPM: 1785
 Amps A: 142
 Amps B: 142
 Amps C: 142

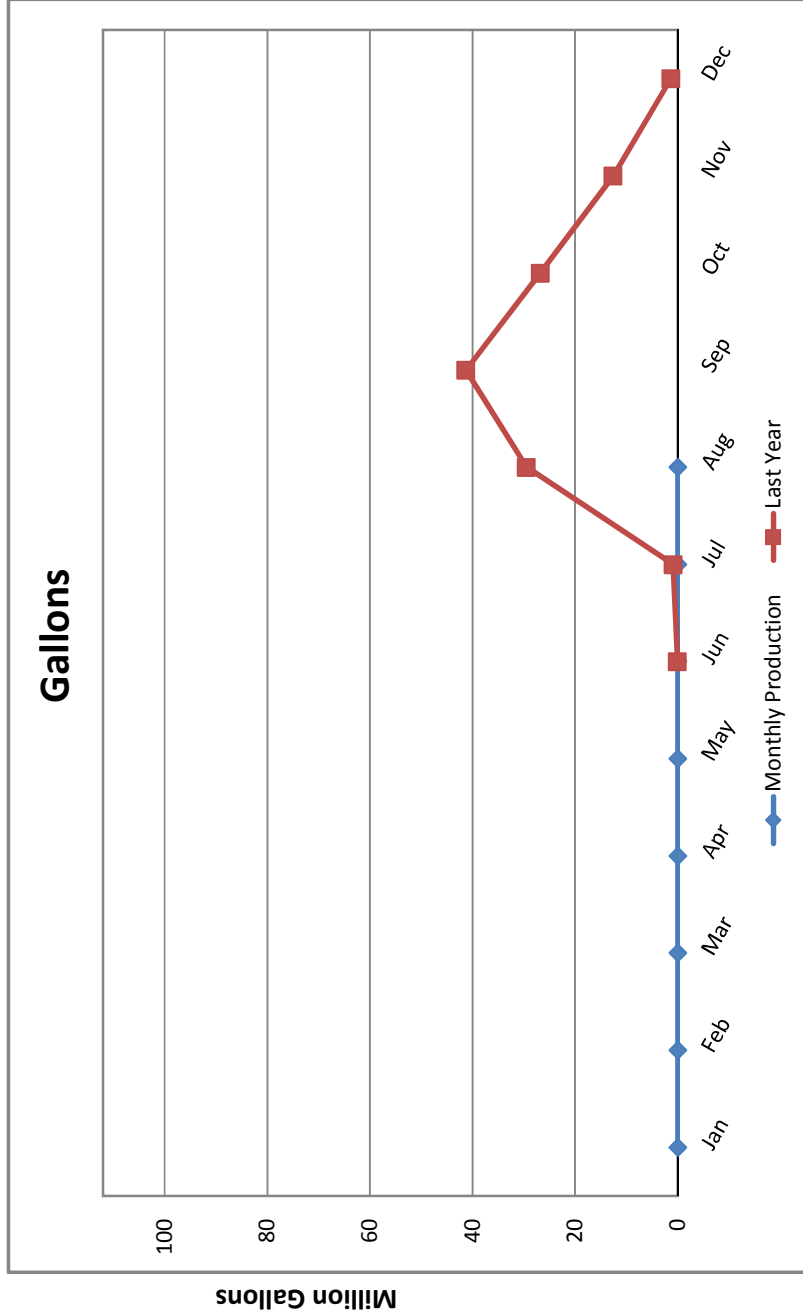
Motor Temp.: 0.00
 Hour Meter: 0.00
 KW Hour Total: 0.00

Chlorine:

Dosing: 0 mg/L
 Demand: 0 mg/L
 Residual: 0 mg/L

Vibration Reading:

Base Line: 0.02 in/sec
 Current:





Elk Grove Water District

Combined Total Production

Service Area 1

Aug-2016

Current Month Production:

159,501,571 Gallons

Highest Day Demand of the Month:

6,031,000

Date of Occurrence

1-Aug-16

Highest Day Demand of the Calendar Year:

6,157,000

Date of Occurrence

25-Jul-16

"Water Year" Rainfall: (Oct-15 to Sep-16)

Current Month: 0.00 in

Year To Date: 16.19 in

"Water Year" Rainfall: (Oct-14 to Sep-15)

August 2015: 0.00 in

Year To Date: 15.41 in

Last Year Total: 15.45 in

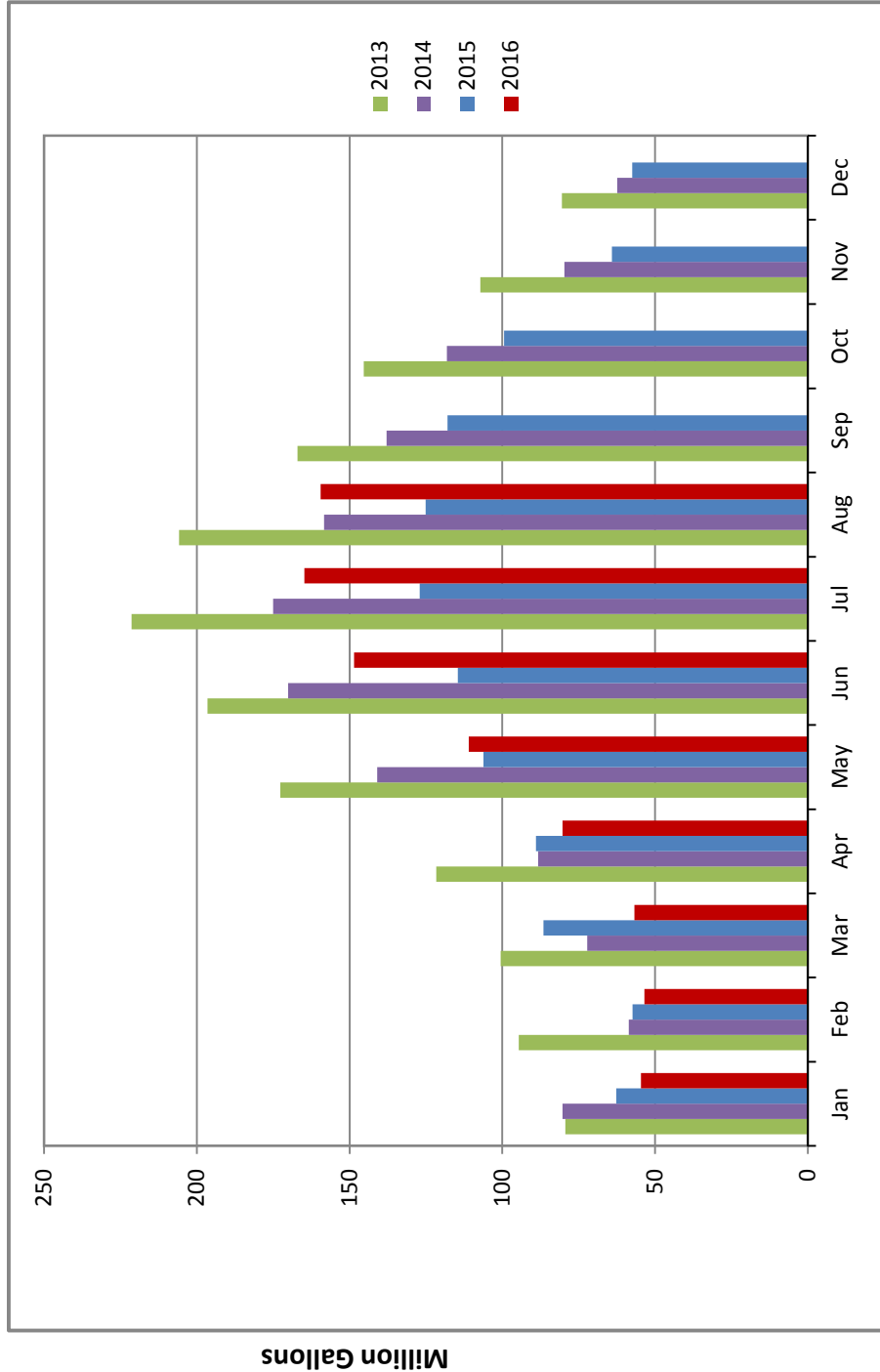
Temperature:

This Month High: 101 F

This Month Low: 54 F

Aug-15 High: 106 F

Aug-15 Low: 57 F

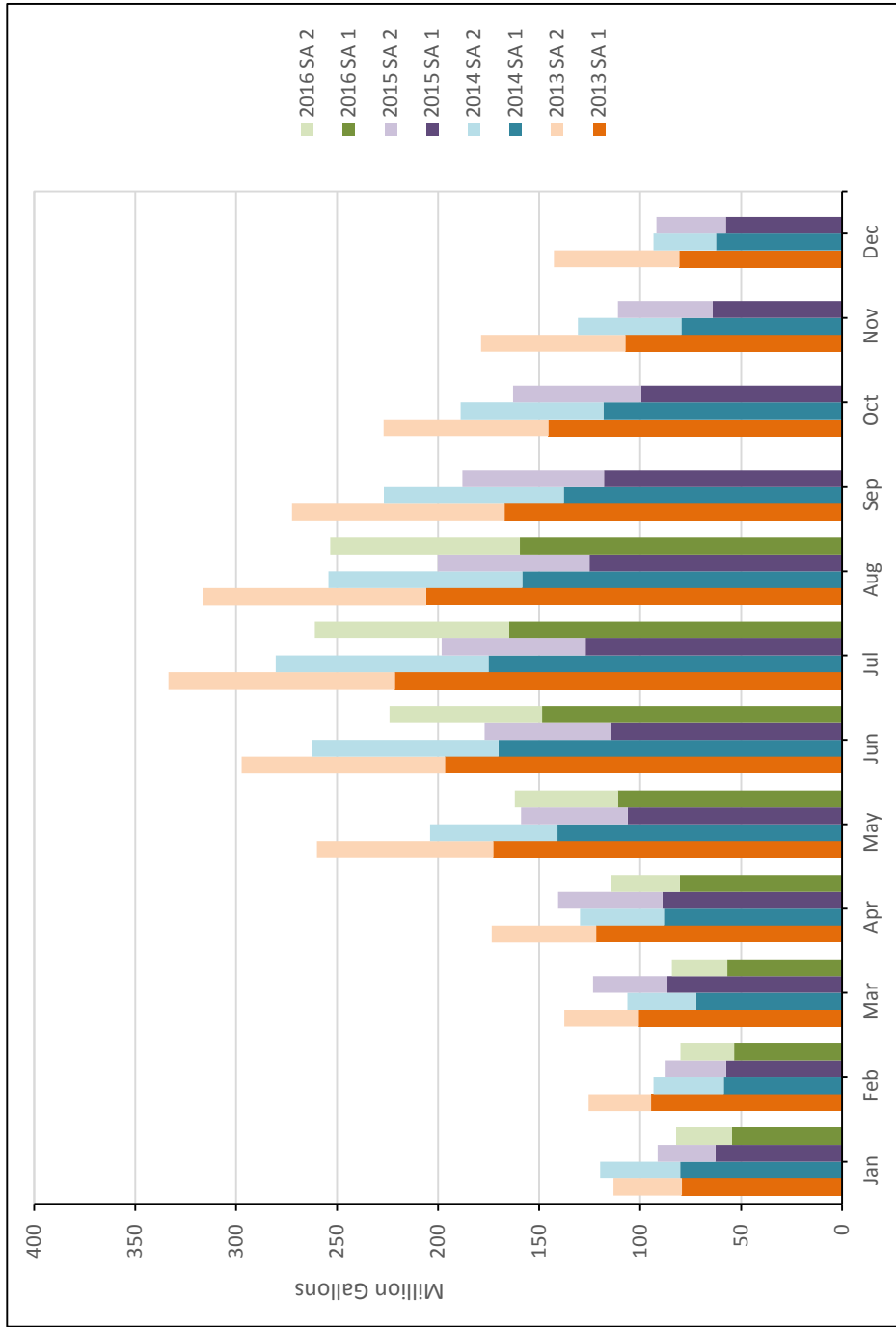




Elk Grove Water District

Total Demand/Production

Aug-2016



Current Month Demand/Production:
 253,493,755 Gallons
Reduction From August 2013: 19.96%
GPCD: 184.4 Gallons per Day
R-GPCD: 143.9 Gallons per Day

Service Area 1
Active Connections: 7,913
Current Month Demand/Production:
 159,501,571 Gallons
GPCD: 180.6 Gallons per Day
R-GPCD: 144.5 Gallons per Day

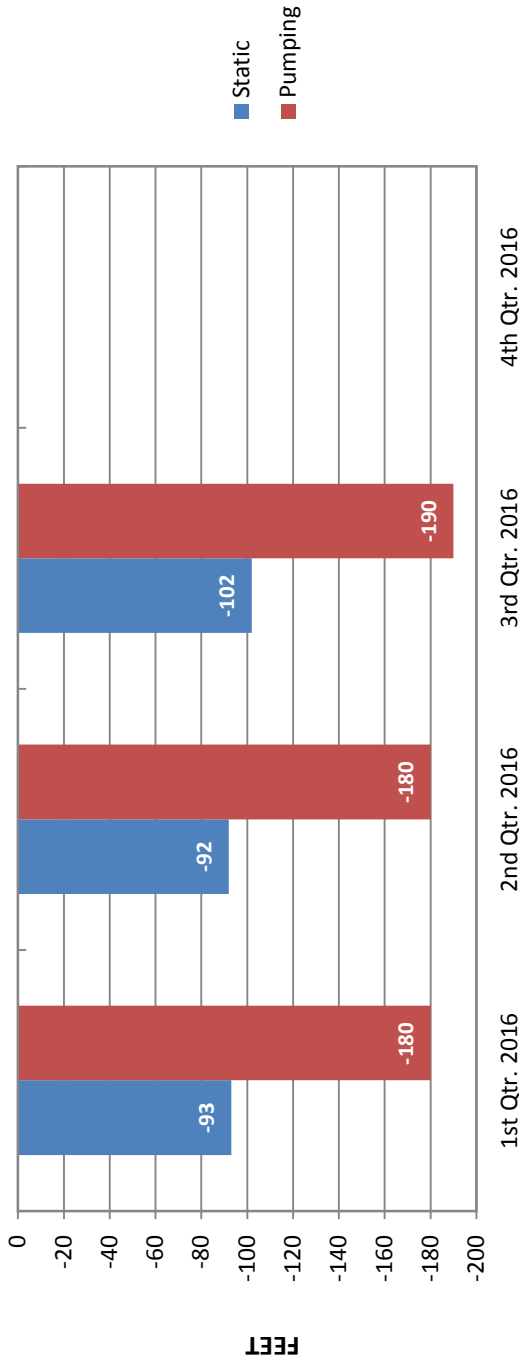
Service Area 2
Active Connections: 4,277
Current Month Demand/Production:
 93,992,184 Gallons
GPCD: 191.3 Gallons per Day
R-GPCD: 145.4 Gallons per Day



Elk Grove Water District

Static and Pumping Levels

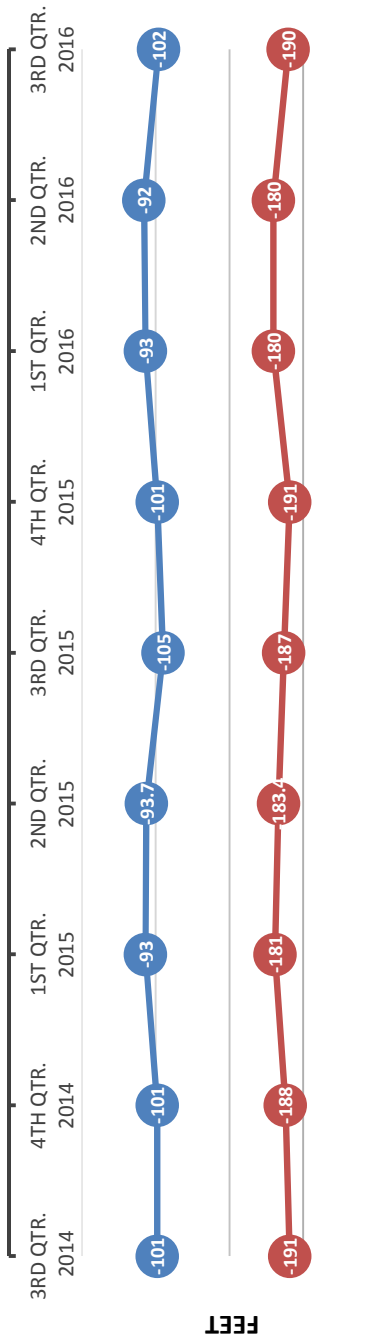
Well 1D School St



Latest Well Sounding

Static: 102 Ft
Pumping: 190 Ft
Drawdown: 88 Ft
GPM: 1,791.00
Specific Capacity: 20.352

Sounding Quarter/Year



Latest Sand Tester Results:

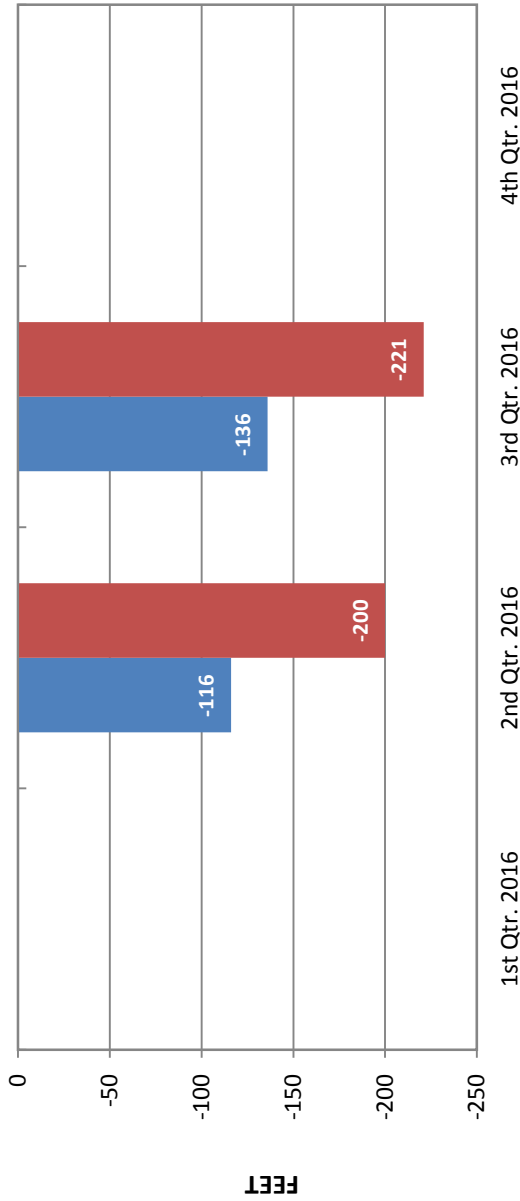
15 Min: < 5 ppm



Elk Grove Water District

Static and Pumping Levels

Well 4D Webb St

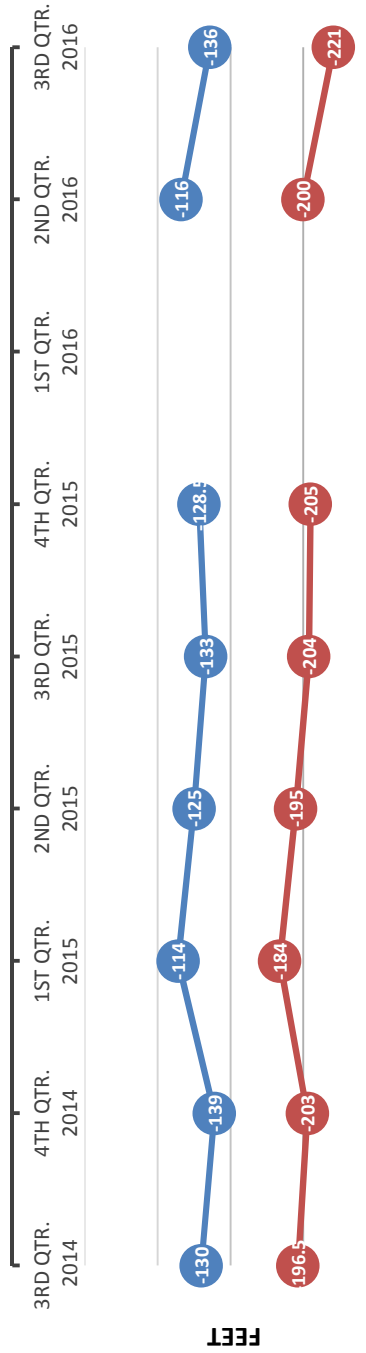


Latest Well Sounding

Static: 136 Ft
Pumping: 221 Ft
Drawdown: 85 Ft
GPM: 1,664.00
Specific Capacity: 19.576

■ Static
■ Pumping

Sounding Quarter/Year



Latest Sand Tester Results:

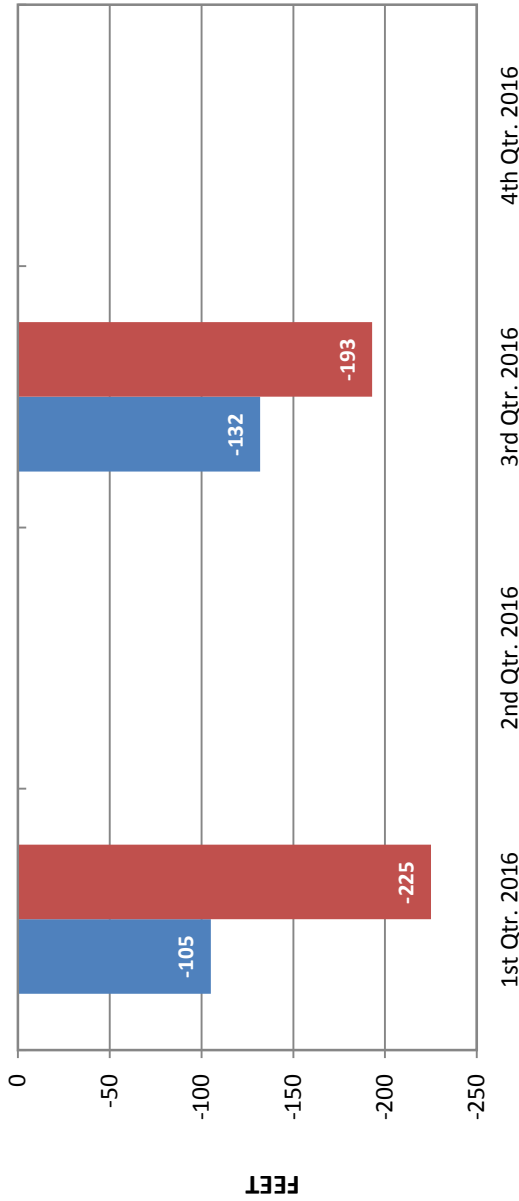
15 Min: < 5 ppm



Elk Grove Water District

Static and Pumping Levels

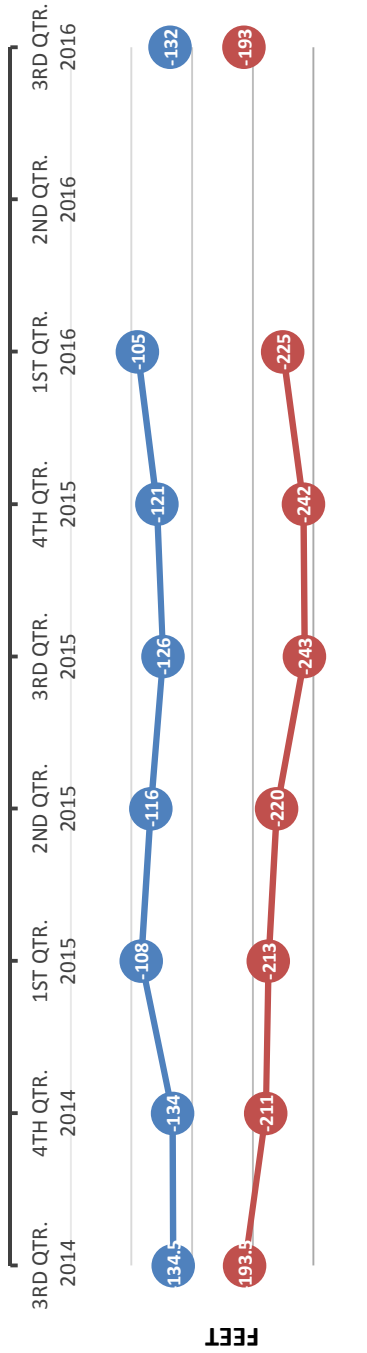
Well 11D Dino



Latest Well Sounding

Static: 132 Ft
Pumping: 193 Ft
Drawdown: 61 Ft
GPM: 1,687.00
Specific Capacity: 27.656

Sounding Quarter/Year



Latest Sand Tester Results:

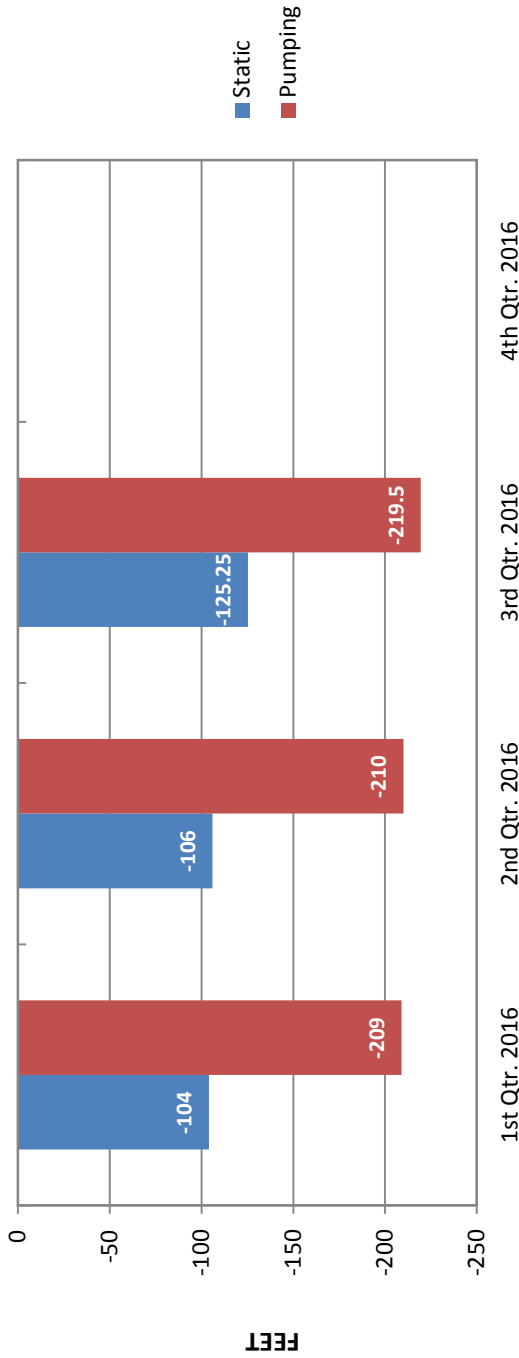
15 Min: < 5 ppm



Elk Grove Water District

Static and Pumping Levels

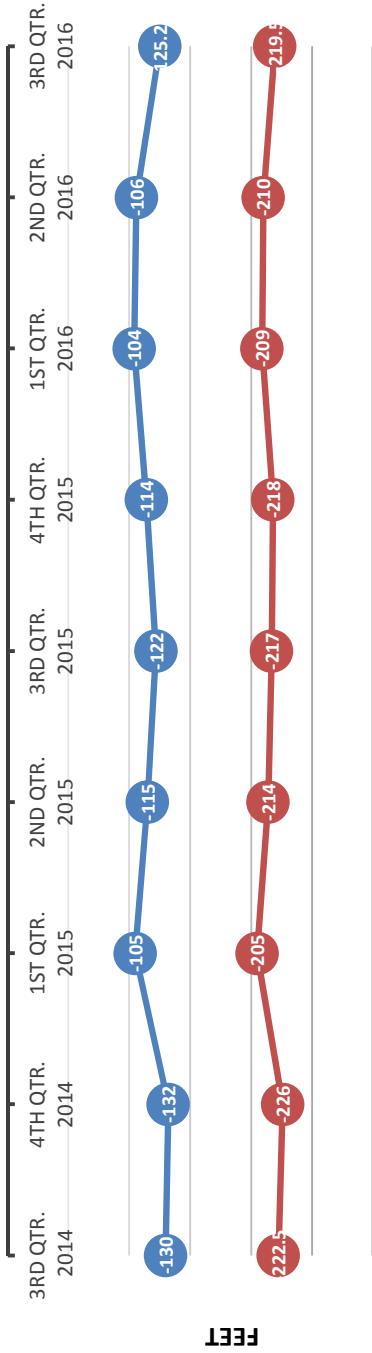
Well 14D Railroad



Latest Well Sounding

Static: 125.25 Ft
Pumping: 219.5 Ft
Drawdown: 94.25 Ft
GPM: 1,578.00
Specific Capacity: 16.743

Sounding Quarter/Year



Latest Sand Tester Results:

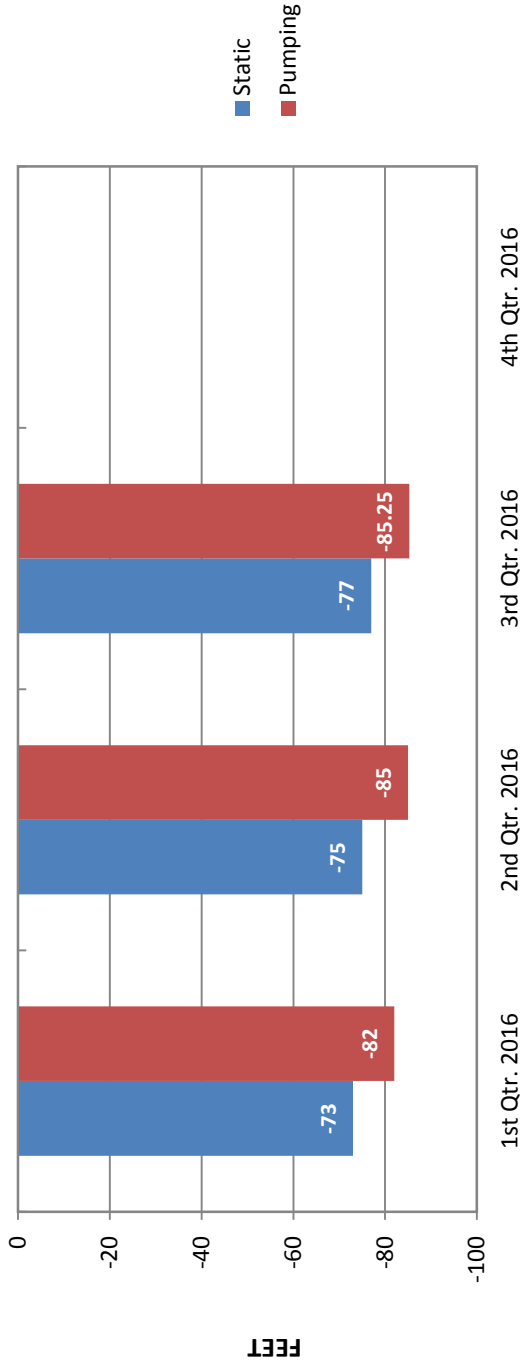
15 Min: < 5 ppm



Elk Grove Water District

Static and Pumping Levels

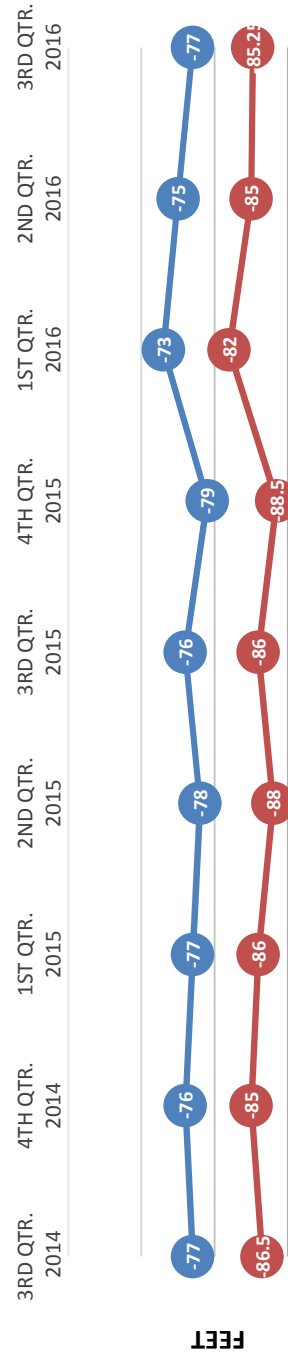
Well 3 Mar-Val



Latest Well Sounding

Static: 77 Ft
 Pumping: 85.25 Ft
 Drawdown: 8.25 Ft
 GPM: 860.00
 Specific Capacity: 104.242

Sounding Quarter/Year



Latest Sand Tester Results:

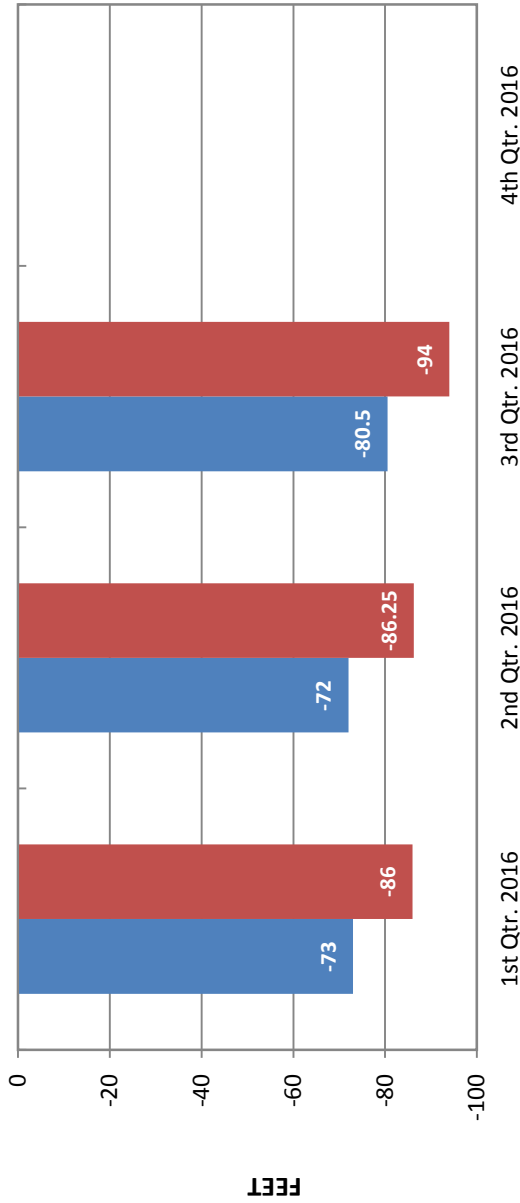
15 Min: 3.52 ppm



Elk Grove Water District

Static and Pumping Levels

Well 8 Williamson

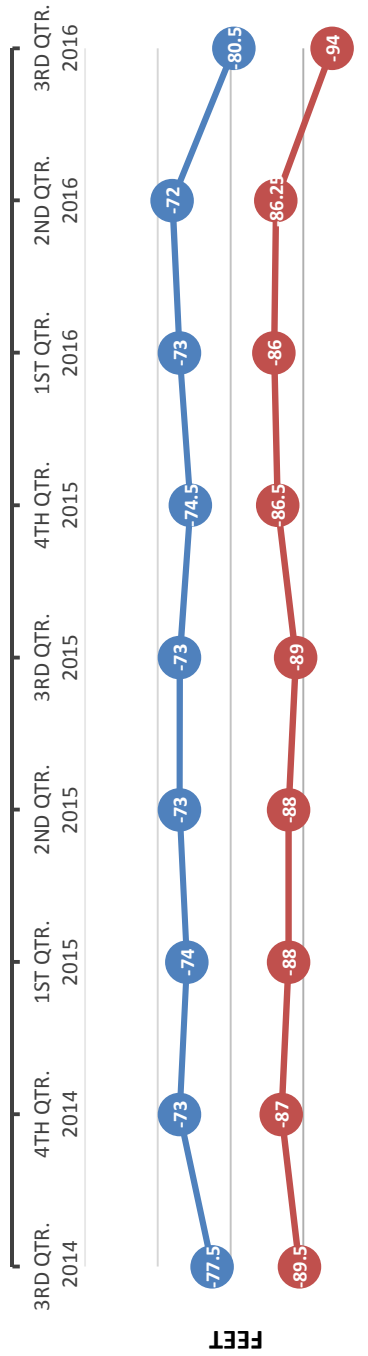


Latest Well Sounding

Static: 80.5 Ft
 Pumping: 94 Ft
 Drawdown: 13.5 Ft
 GPM: 820.00
 Specific Capacity: 60.741

■ Static
 ■ Pumping

Sounding Quarter/Year



Latest Sand Tester Results:

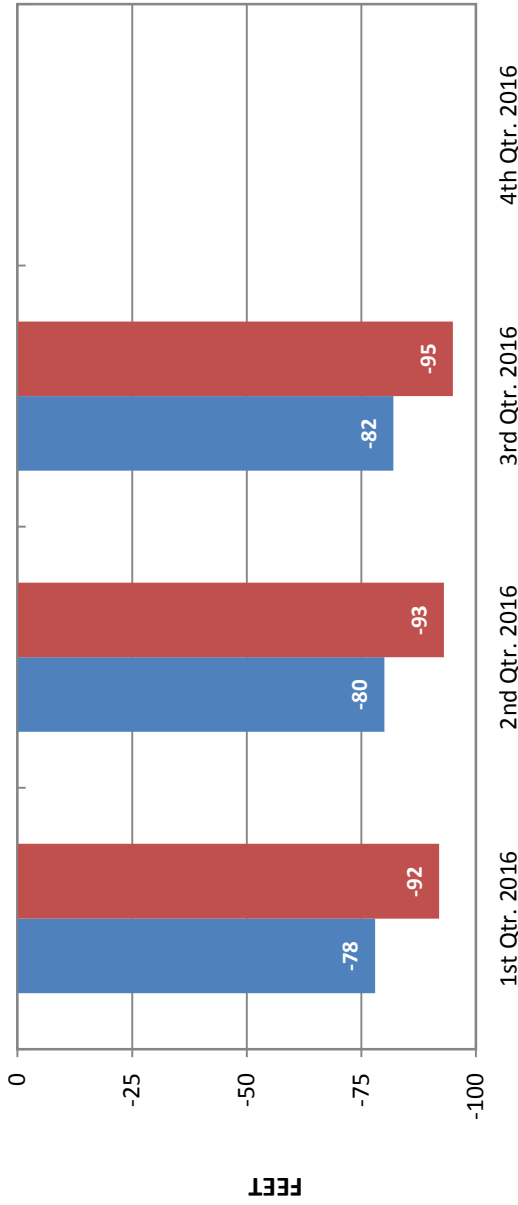
15 Min: 7.04 ppm



Elk Grove Water District

Static and Pumping Levels

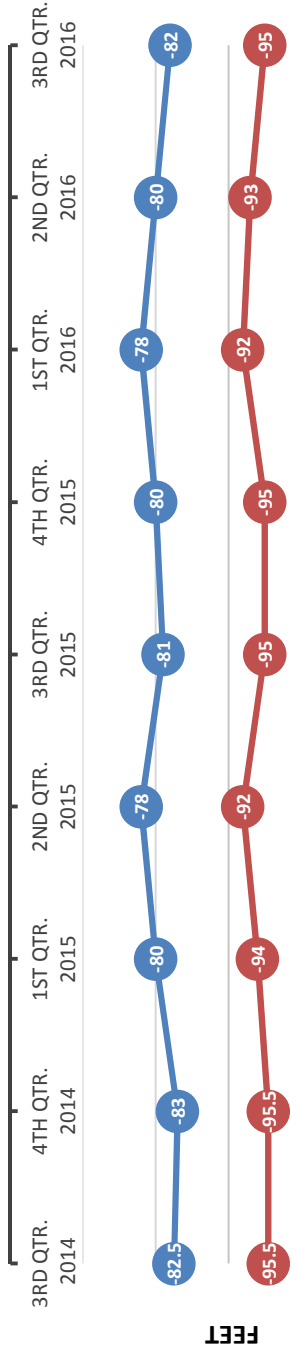
Well 9 Polhemus



Latest Well Sounding

Static: 82 Ft
Pumping: 95 Ft
Drawdown: 13 Ft
GPM: 480.00
Specific Capacity: 36.923

Sounding Quarter/Year



Latest Sand Tester Results:

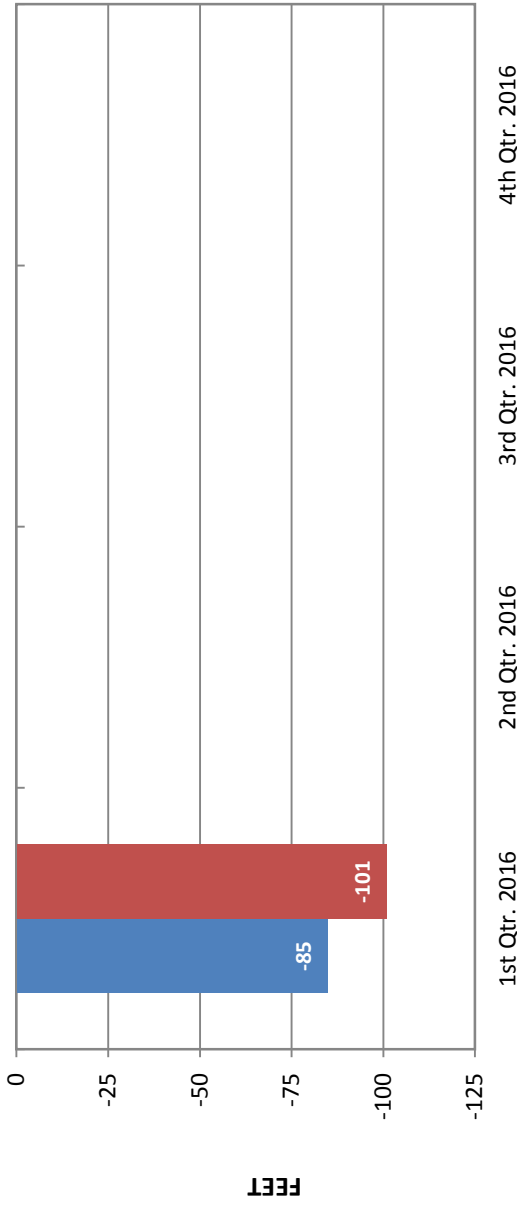
15 Min: < 5 ppm



Elk Grove Water District

Static and Pumping Levels

Well 13 Hampton

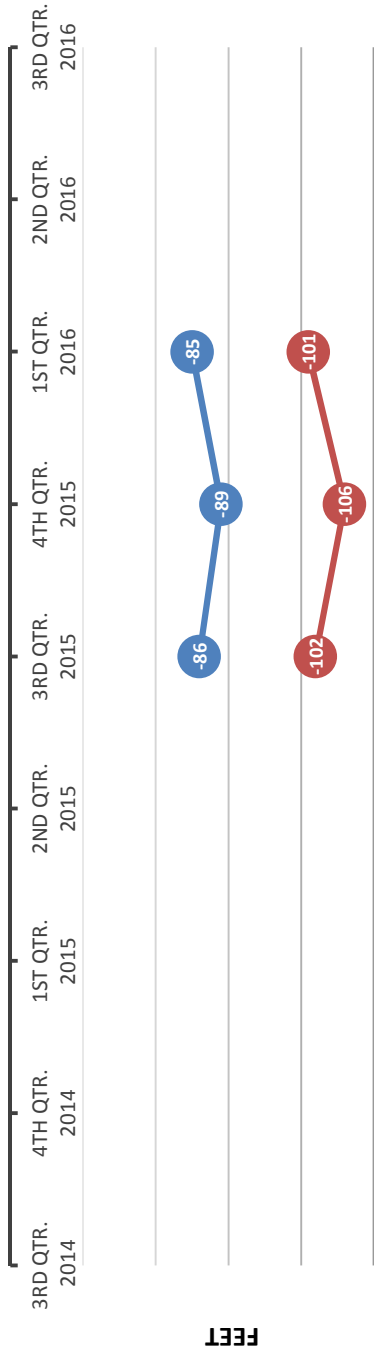


Latest Well Sounding

Static: 85 Ft
 Pumping: 101 Ft
 Drawdown: 16 Ft
 GPM: 990.00
 Specific Capacity: 61.875

■ Static
 ■ Pumping

Sounding Quarter/Year



Latest Sand Tester Results:

15 Min: < 5 ppm

**Monthly Sample Report - August 2016
Water System: Elk Grove Water System**

Sampling Point: 01 - 8693 W. Camden			
Sample Date	Sample Class	Sample Name	Collection Occurrence
8/2/2016	Distribution System	Bacteriological	Week
8/9/2016	Distribution System	Bacteriological	Week
8/16/2016	Distribution System	Bacteriological	Week
8/23/2016	Distribution System	Bacteriological	Week
8/30/2016	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
8/2/2016	Distribution System	Bacteriological	Week
8/9/2016	Distribution System	Bacteriological	Week
8/16/2016	Distribution System	Bacteriological	Week
8/23/2016	Distribution System	Bacteriological	Week
8/30/2016	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
8/2/2016	Distribution System	Bacteriological	Week
8/9/2016	Distribution System	Bacteriological	Week
8/16/2016	Distribution System	Bacteriological	Week
8/23/2016	Distribution System	Bacteriological	Week
8/30/2016	Distribution System	Bacteriological	Week

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

Sampling Point: 04 - 10122 Glacier Point		
Sample Date	Sample Class	Collection Occurrence
8/2/2016	Distribution System	Week
8/9/2016	Distribution System	Week
8/16/2016	Distribution System	Week
8/23/2016	Distribution System	Week
8/30/2016	Distribution System	Week

Sampling Point: 05 - 9230 Amsden Ct.		
Sample Date	Sample Class	Collection Occurrence
8/2/2016	Distribution System	Week
8/9/2016	Distribution System	Week
8/16/2016	Distribution System	Week
8/23/2016	Distribution System	Week
8/30/2016	Distribution System	Week

Sampling Point: 06 - 9227 Rancho Dr.		
Sample Date	Sample Class	Collection Occurrence
8/2/2016	Distribution System	Week
8/9/2016	Distribution System	Week
8/16/2016	Distribution System	Week
8/23/2016	Distribution System	Week
8/30/2016	Distribution System	Week

Sampling Point: 07 - AI Gates Park Mainline Dr.		
Sample Date	Sample Class	Collection Occurrence
8/2/2016	Distribution System	Week
8/9/2016	Distribution System	Week
8/16/2016	Distribution System	Week
8/23/2016	Distribution System	Week
8/30/2016	Distribution System	Week

Sampling Point: Williamson Well 8 Raw Water

Sample Date	Sample Class	Sample Name	Collection Occurrence
8/1/2016	Source Water	3 mo - Fe,Mn,As Total	Special
8/1/2016	Source Water	3 mo - Fe,Mn,As Dissolved	Special

Sampling Point: 08 - 9436 Hollow Springs Wy.

Sample Date	Sample Class	Sample Name	Collection Occurrence
8/2/2016	Distribution System	Bacteriological	Week
8/9/2016	Distribution System	Bacteriological	Week
8/16/2016	Distribution System	Bacteriological	Week
8/23/2016	Distribution System	Bacteriological	Week
8/30/2016	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
8/2/2016	Distribution System	Bacteriological	Week
8/9/2016	Distribution System	Bacteriological	Week
8/16/2016	Distribution System	Bacteriological	Week
8/23/2016	Distribution System	Bacteriological	Week
8/30/2016	Distribution System	Bacteriological	Week

Sampling Point: 10 - 9373 Oreo Ranch Cir.

Sample Date	Sample Class	Sample Name	Collection Occurrence
8/2/2016	Distribution System	Bacteriological	Week
8/9/2016	Distribution System	Bacteriological	Week
8/16/2016	Distribution System	Bacteriological	Week
8/23/2016	Distribution System	Bacteriological	Week
8/30/2016	Distribution System	Bacteriological	Week

Sampling Point: Dino Well 11D - Raw Water			
Sample Date	Sample Class	Sample Name	Collection Occurrence
8/2/2016	Source Water	Bacteriological	Quarterly
8/2/2016	Source Water	3 mo - Fe,Mn,As Total	Quarterly
8/2/2016	Source Water	3 mo - Fe,Mn,As Dissolved	Quarterly
Sampling Point: Hampton Well 13 - Raw Water			
Sample Date	Sample Class	Sample Name	Collection Occurrence
Sampling Point: Hampton WTP Effluent			
Sample Date	Sample Class	Sample Name	Collection Occurrence
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
8/2/2016	Treated Plant Effluent	WTP Eff - Fe,Mn,As,Al Total	Month
8/2/2016	Treated Plant Effluent	WTP Eff - Fe,Mn,As,Al Dissolved	Month
Sampling Point: Special Distribution/Construction Samples			
Sample Date	Sample Class	Sample Name	Collection Description
8/3/2016	Distribution System	9699 E. Stockton Blvd	Goodwill Store Main Tie-In
8/4/2016	Distribution System	9699 E. Stockton Blvd	Goodwill StoreFire System Tie-In

Colors	Monthly Total	Yearly Total
Black = Scheduled	53	418
Green = Unscheduled	6	89
Red = Incomplete Sample	0	0



September 6, 2016

State Water Resources Control Board
Division of Drinking Water
Drinking Water Field Operations Branch
P.O. Box 997377, MS 7418
1616 Capitol Avenue
Sacramento, CA 95899-7377

MONTHLY SUMMARY OF DISTRIBUTION SYSTEM COLIFORM MONITORING

Enclosed is the Monthly Summary of Distribution System Coliform Monitoring report from Elk Grove Water District for August 2016.

If you have any further questions, you may contact me at 916-687-3155 ext. 102.

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

STEVE SHAW
WATER TREATMENT SUPERVISOR

MONTHLY SUMMARY OF DISTRIBUTION SYSTEM COLIFORM MONITORING

(including triggered source monitoring for systems subject to the Groundwater Rule)

System Name <p style="text-align: center; font-size: 1.2em;">Elk Grove Water District</p>	System Number <p style="text-align: center; font-size: 1.2em;">3410008</p>
Sampling Period <p style="text-align: center; font-size: 1.2em; color: blue;">August</p>	Year <p style="text-align: center; font-size: 1.2em;">2016</p>

	Number Required	Number Collected	Number Total Coliform Positives	Number Fecal/ E.coli Positives
1. Routine Samples (see note 1)	50	50	0	0
2. Repeat Samples following Samples that are Total Coliform Positive and Fecal/E.coli <i>Negative</i> (see notes 5 and 6)		0	0	<input type="text"/>
3. Repeat Samples following Routine Samples that are Total Coliform <i>Positive</i> and Fecal/E.coli Positive (see notes 5 and 6)		0	<input type="text"/>	<input type="text"/>
4. MCL Computation for Total Coliform Positive Samples				
a. Totals (sum of columns)		50	0	
b. If 40 or more samples collected in month, determine percent of samples that are total coliform positive [(total number positive/total number collected) x 100] =	0	%		
c. Is system in compliance. ...with fecal/E. coli MCL? (see notes 2 and 3)	<input checked="" type="checkbox"/> Yes		<input type="checkbox"/> No	
...with monthly MCL? (see note 4)	<input checked="" type="checkbox"/> Yes		<input type="checkbox"/> No	
5. Source Samples Triggered by Routine Samples that are Total Coliform Positive (This applies only to systems subject to the Groundwater Rule - see notes 7 and 8)		0	0	<input type="text"/>
6. Invalidated Samples (Note what samples, if any, were invalidated; who authorized the invalidation; and when replacement samples were collected. Attach additional sheets, if necessary.)				
7. Summary Completed By: Steve Shaw				

Signature 	Title <p style="text-align: center; font-size: 1.2em;">Water Treatment Supervisor</p>	Date <p style="text-align: center; font-size: 1.2em; color: blue;">9/6/16</p>
---------------	------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------

NOTES AND INSTRUCTIONS:

1. Routine samples include:
 - a. Samples required pursuant to 22 CCR Section 64423 and any additional samples required by an approved routine sample siting plan established pursuant to 22 CCR Section 64422.
 - b. Extra samples are required for systems collecting less than five routine samples per month that had one or more total coliform positives in previous month;
 - c. Extra samples for systems with high source water turbidities that are using surface water or groundwater under direct influence of surface water and do not practice filtration in compliance with regulations;
2. Note: For a repeat sample following a total coliform positive sample, any fecal/*E. coli* positive repeat (boxed entry) **constitutes an MCL violation and requires immediate notification to the Department** (22, CCR, Section 64426.1).
3. Note: For repeat sample following a fecal/*E. coli* positive sample, any total coliform positive repeat (boxed entry) **constitutes an MCL violation and requires immediate notification to the Department** (22, CCR, Section 64426.1).
4. Total coliform MCL (**Notify Department within 24 hours of MCL violation**):
 - a. For systems collecting less than 40 samples, if two or more samples are total coliform positive, then the MCL is violated.
 - b. For systems collecting 40 or more samples, if more than 5.0 percent of samples collected are total coliform positive, then the MCL is violated.
5. Positive results and their associated repeat samples are to be tracked on the Coliform Monitoring Worksheet.
6. Repeat samples must be collected within 24 hours of being notified of the positive results. For systems collecting more than one routine sample per month, three repeat samples must be collected for each total coliform positive sample. For systems collecting one or fewer routine samples per month, four repeat samples must be collected for each total coliform positive sample.
7. For systems subject to the Groundwater Rule: Positive results and the associated triggered source samples are to be tracked on the Coliform Monitoring Worksheet.
8. For triggered sample(s) required as a result of a total coliform routine positive sample, an *E. coli*, enterococci, or coliphage positive triggered sample (boxed entry) **requires immediate notification to the Department, Tier 1 public notification, and corrective action.**

10/2009 - 8477



September 6, 2016

Sacramento Regional County
Sanitation District
Environmental Specialist
10060 Goethe Rd.
Sacramento, Ca. 95827

MONTHLY COMPLIANCE REPORT

Enclosed is the Monthly Compliance Report Form from Elk Grove Water District for August 2016.

If you have any further questions, you may contact me at 916-687-3155 ext. 102.

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

STEVE SHAW
WATER TREATMENT SUPERVISOR



COMPLIANCE REPORT FORM

Attn: Thomas Martin	Wastewater Source Control Section
Phone # (916) 876-7378	Fax # (916) 876-6374
From: Steve Shaw	
Company: Elk Grove Water Service	Permit# WTP010

The following reports and information are attached (check all that apply):

Month:	8	Year:	2016
--------	---	-------	------

<input checked="" type="checkbox"/> Water use/flow meter report	Railroad WTP: <input style="width:50px;" type="text" value="0"/>	
	Hampton WTP: <input style="width:50px;" type="text" value="0"/>	
	Date	Time
<input type="checkbox"/> Monitoring results/analytical report	Hampton WTP	<input style="width:50px;" type="text"/>
	Railroad WTP	<input style="width:50px;" type="text"/>

Discharge Rate

Check the statement below that applies to this report:

Based on a review of this facilities flow data, discharge rate limit was exceeded

I certify that this facility is in compliance with the discharge rate limit.

Attached is a description of anticipated changes that may significantly alter the nature, quality, or volume of the wastewater discharged.

Flow monitoring equipment certification (Flow or pH meter, etc.)

Other (describe)

Domestic Calculation

Domestic Usage	Number of Employees	Business Days per Month	Allowance (gallons per day)	Gallons
Production	<input style="width:50px;" type="text" value="3"/>	<input style="width:50px;" type="text" value="21"/>	<input style="width:50px;" type="text" value="25"/>	<input style="width:50px;" type="text" value="1575"/>
Office	<input style="width:50px;" type="text" value="3"/>	<input style="width:50px;" type="text" value="21"/>	<input style="width:50px;" type="text" value="20"/>	<input style="width:50px;" type="text" value="1260"/>
Drivers/Field	<input style="width:50px;" type="text" value="19"/>	<input style="width:50px;" type="text" value="21"/>	<input style="width:50px;" type="text" value="5"/>	<input style="width:50px;" type="text" value="1995"/>
Total				<input style="width:50px;" type="text" value="4830"/>

Certification Statement

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations".

SIGNATURE of Authorized Representative:

PRINTED NAME, TITLE:

(Name) (Title)

DATE:

Elk Grove Water District Monthly Waste Report August 2016

Date	Railroad WTP Waste Meter	Gallons	Hampton WTP Waste Meter	Gallons
1	10748260	0	82978	0
2	10748260	0	82978	0
3	10748260	0	82978	0
4	10748260	0	82978	0
5	10748260	0	82978	0
6	10748260	0	82978	0
7	10748260	0	82978	0
8	10748260	0	82978	0
9	10748260	0	82978	0
10	10748260	0	82978	0
11	10748260	0	82978	0
12	10748260	0	82978	0
13	10748260	0	82978	0
14	10748260	0	82978	0
15	10748260	0	82978	0
16	10748260	0	82978	0
17	10748260	0	82978	0
18	10748260	0	82978	0
19	10748260	0	82978	0
20	10748260	0	82978	0
21	10748260	0	82978	0
22	10748260	0	82978	0
23	10748260	0	82978	0
24	10748260	0	82978	0
25	10748260	0	82978	0
26	10748260	0	82978	0
27	10748260	0	82978	0
28	10748260	0	82978	0
29	10748260	0	82978	0
30	10748260	0	82978	0
31	10748260	0	82978	0

Elk Grove Water District

Preventative Maintenance Program

M.C.C. and Lab

Item	Quarterly				Annual													
	1st	2nd	3rd	4th	Refer.	2016												
Fume Hood	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Initials</td><td>AH</td></tr> <tr><td>Date</td><td>3/22/16</td></tr> <tr><td>W.O. #</td><td>13869</td></tr> </table>	Initials	AH	Date	3/22/16	W.O. #	13869	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Initials</td><td>AH</td></tr> <tr><td>Date</td><td>6/16/16</td></tr> <tr><td>W.O. #</td><td>14070</td></tr> </table>	Initials	AH	Date	6/16/16	W.O. #	14070			Sect: 1.1.1	Sect: 1.2.3
Initials	AH																	
Date	3/22/16																	
W.O. #	13869																	
Initials	AH																	
Date	6/16/16																	
W.O. #	14070																	
Dulco-meter	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Initials</td><td>AH</td></tr> <tr><td>Date</td><td>3/22/16</td></tr> <tr><td>W.O. #</td><td>13869</td></tr> </table>	Initials	AH	Date	3/22/16	W.O. #	13869	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Initials</td><td>AH</td></tr> <tr><td>Date</td><td>6/16/16</td></tr> <tr><td>W.O. #</td><td>14070</td></tr> </table>	Initials	AH	Date	6/16/16	W.O. #	14070			Sect: 1.1.2	Sect: 1.2.1
Initials	AH																	
Date	3/22/16																	
W.O. #	13869																	
Initials	AH																	
Date	6/16/16																	
W.O. #	14070																	
M.C.C.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Initials</td><td></td></tr> <tr><td>Date</td><td></td></tr> <tr><td>W.O. #</td><td></td></tr> </table>	Initials		Date		W.O. #					Sect: 1.2.2	Sect: 1.2.1						
Initials																		
Date																		
W.O. #																		
Circuit Breaker	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Initials</td><td></td></tr> <tr><td>Date</td><td></td></tr> <tr><td>W.O. #</td><td></td></tr> </table>	Initials		Date		W.O. #					Sect: 1.1.3	Sect: 1.2.2						
Initials																		
Date																		
W.O. #																		
C12 DPD Handheld	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Initials</td><td>AH</td></tr> <tr><td>Date</td><td>3/29/16</td></tr> <tr><td>W.O. #</td><td>13869</td></tr> </table>	Initials	AH	Date	3/29/16	W.O. #	13869	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Initials</td><td>WQ/MW</td></tr> <tr><td>Date</td><td>6/23/16</td></tr> <tr><td>W.O. #</td><td>14070</td></tr> </table>	Initials	WQ/MW	Date	6/23/16	W.O. #	14070			Sect: 1.1.3	Sect: 1.2.2
Initials	AH																	
Date	3/29/16																	
W.O. #	13869																	
Initials	WQ/MW																	
Date	6/23/16																	
W.O. #	14070																	

Year: 2016

Elk Grove Water District

Preventative Maintenance Program

Backwash System and Storage Tanks

Item	MONTHLY												Semi-annual		Annual			
	Refer.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Refer.	2016	Refer.	2016	
Mag meter																		
	Initials																	
	Date																	
	W.O. #																	
MCC	Initials																	
	Date																	
	W.O. #																	
Pressure Transducer	Initials																	
	Date																	
	W.O. #																	
Backwash Tank	Initials																	
	Date																	
	W.O. #																	
Return Pumps	Initials																	
	Date																	
	W.O. #																	
		WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ/MW	6/8/16	14093		
		1/20/16	2/4/16	3/23/16	4/14/16	5/23/16	6/22/16	7/22/16	8/22/16									
		13585	13745	13865	13966	14021	14092	14129	14242									
		Sect: TBD																
Storage Tanks	Initials																	
	Date																	
	W.O. #																	
Bray Valves	Initials																	
	Date																	
	W.O. #																	
		Sect: TBD																
		WQ/MW																
		6/8/16																
		14093																
		Sect: 2.4.1																
		AH																
		4/29/16																
		13975																
		Sect: 2.2.2																
		WQ/MW																
		6/28/16																
		13971																

Year: 2016

Elk Grove Water District

Preventative Maintenance Program

Booster Pumps

Item	Monthly												Semi-annual		Annual			
	Refer.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1ST 6-MO.	2ND 6-MO.	Refer.	2016	
Electric Motor	Initials	WQ	AH	WQ	WQ	WQ	MW	AH/WQ	MW					WQ/MW		Sect: 3.2.1	Sect: 3.2.1	Sect: 3.2.4
	Date	1/20/16	2/17/16	3/24/16	4/13/16	5/25/16	6/30/16	7/22/16	8/3/16					6/6/16				
	W.O.#	13582	13746	13868	13967	14023	14082	14128	14241					14083				
PUMP	Initials	WQ	AH	WQ	WQ	WQ	MW	AH/WQ	MW							Sect: 3.1.2	Sect: 3.1.2	Sect: 3.2.4
	Date	1/20/16	2/17/16	3/24/16	4/13/16	5/25/16	6/30/16	7/22/16	8/3/16									
	W.O.#	13582	13746	13868	13967	14023	14082	14128	14241									
A.R.V.	Initials															Sect: 3.3.1	Sect: 3.3.1	Sect: 3.3.1
	Date																	
	W.O.#																	
Rising Stem Valve	Initials															Sect: 3.3.3	Sect: 3.3.3	Sect: 3.3.3
	Date																	
	W.O.#																	

Elk Grove Water District

Preventative Maintenance Program

Clor-Tec System

Item	Monthly												Quarterly				Annual		
	Refer.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1st	2nd	3rd		4th	Refer.
Cl2 Meter System	Initials	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ/MW									4.4.1	
	Date	1/19/16	2/2/16	3/1/16	4/14/16	5/23/16	6/23/16	7/11/16	8/17/16										
	W.O.#	13581	13744	13866	13964	14022	14088	14126	14239										
Exhaust Fan	Initials													AH	AH	AH	AH		
	Date													3/9/16	6/16/16	8/19/16			
	W.O.#													13748	14089	14243			
Hydrogen Blow/Det.	Initials																		
	Date																		
	W.O.#																		
Cell and Electrode	Initials													WQ	WQ				
	Date													2/8/16	6/23/16				
	W.O.#													13748	14089				
Hypo/Brine Tank	Initials	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ/MW									4.4.5	
	Date	1/19/16	2/2/16	3/1/16	4/14/16	5/23/16	6/23/16	7/11/06	8/17/16										
	W.O.#	13581	13744	13866	13964	14022	14088	14126	14239										
Water Softener	Initials																		
	Date																		
	W.O.#																		
Rectifier	Initials	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ/MW									4.4.6	
	Date	1/19/16	2/2/16	3/1/16	4/14/16	5/23/16	6/23/16	7/11/16	8/17/16										
	W.O.#	13581	13744	13866	13964	14022	14088	14126	14239										
Clor-Tec Unit	Initials	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ/MW									4.4.4	
	Date	1/19/16	2/2/16	3/1/16	4/14/16	5/23/16	6/23/16	7/11/16	8/17/16										
	W.O.#	13581	13744	13866	13964	14022	14088	14126	14239										

Year: 2016

Elk Grove Water District

Preventative Maintenance Program

Filter Vessels

Item	Monthly												Semi-annual		Annual													
	Refer	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Refer	1ST 6-MO.	2ND 6-MO.	Refer	2016										
Air/Vac Valves	Initials													Date						W.O. #								
Bray Valves	Initials													Date						W.O. #								
CLA-VAL	Initials													Date						W.O. #								
Pilot Valves	Initials													Date						W.O. #								
	Initials	1/21/16	2/17/16	3/21/16	4/13/16	5/17/16	6/23/16	7/21/16	8/1/16					13584	13747	13867	13965	14020	14086	14127	14240							
Press. Diff. Trnsdcr.	Initials													Date										W.O. #				
Vessels	Initials													Date										W.O. #				
	Initials													Date										W.O. #				

Year: 2016

Elk Grove Water District

Preventative Maintenance Program

Standby Generator

Item	Refer	Monthly												Annual		
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	2016		
Fuel Tank	Sect: 6.1.1	WQ	WQ	WQ	WQ	WQ	WQ	AH/MW	WQ						WQ	
		1/5/16	2/2/16	3/23/16	4/6/16	5/23/16	6/10/16	7/7/16	8/22/16					5/27/16		
		13583	13743	13864	13968	14019	14090	14130	14238					13977		
Radiator	Sect: 6.3.2/6.4.1														WQ	
														4/19/16		
														13977		
Battery/Charger	Sect: 6.1.2	WQ	WQ	WQ	WQ	WQ	WQ	AH/MW	WQ							
		1/5/16	2/2/16	3/23/16	4/6/16	5/23/16	6/10/16	7/7/16	8/22/16							
		13583	13743	13864	13968	14019	14090	14130	14238							
Coolant Heater	Sect: 6.3.3														WQ	
														4/19/16		
														13977		
Generator	Sect: 6.1.3	WQ	WQ	WQ	WQ	WQ	WQ	AH/MW	WQ							
		1/5/16	2/2/16	3/23/16	4/6/16	5/23/16	6/10/16	7/7/16	8/22/16							
		13583	13743	13864	13968	14019	14090	14130	14238							
Engine	Sect: 6.3.4/6.4.2														WQ	
														4/19/16		
														13977		

Year: 2016

Elk Grove Water District
Preventative Maintenance Program
 Well 1D School

Item	Monthly												Semi-annual		Annual					
	Refer.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Refer.	1ST 6-MO.	2ND 6-MO.	Refer.	2016		
Pump	Initials	WQ	WQ	WQ	WQ	WQ/AH	WQ	WQ	WQ/MW						WQ/MW					
	Date	1/6/16	2/5/16	3/21/16	4/4/16	5/27/16	6/28/16	7/11/16	8/16/16						6/7/16					
	W.O.#	13592	13740	13878	13963	14016	14071	14124	14232						14072					
Motor	Initials	WQ	WQ	WQ	WQ	WQ/AH	WQ	WQ	WQ/MW						WQ/MW					
	Date	1/6/16	2/5/16	3/21/16	4/4/16	5/27/16	6/28/16	7/11/16	8/16/16						6/7/16					
	W.O.#	13592	13740	13878	13963	14016	14071	14124	14232						14072					
Press/Lvl Transdr.	Initials																			
	Date																			
	W.O.#																			
Isolation Valves	Initials																			
	Date																			
	W.O.#																			
Cla-Val	Initials																			
	Date																			
	W.O.#																			
Mag-Meter	Initials																			
	Date																			
	W.O.#																			
A.R.V.	Initials														WQ/MW					
	Date														6/7/16					
	W.O.#														14072					
M.C.C.	Initials																			
	Date																			
	W.O.#																			

Elk Grove Water District

Preventative Maintenance Program

Well 4D Webb

Item	Monthly												Semi-annual			Annual		
	Refer.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Refer.	1ST 6-MO.	2ND 6-MO.	Refer.	2016
Pump	Initials	WQ	AH	WQ	WQ	WQ	WQ	WQ	WQ/MW	WQ	WQ/MW	WQ	WQ/MW	Sect: 8.2.1	WQ/MW			
	Date	1/21/16		3/15/16	4/11/16	5/24/16	6/16/16	7/12/16	8/15/16					6/7/16				
	W.O. #	13593	13742	13875	13958	14013	14094	14122	14233					14095				
Motor	Initials	WQ	AH	WQ	WQ	WQ	WQ/MW	WQ	WQ/MW	WQ	WQ/MW	WQ	WQ/MW	Sect: 8.2.2	WQ/MW			
	Date	1/21/16		3/15/16	4/11/16	5/24/16	6/16/16	7/12/16	8/15/16					6/7/16				
	W.O. #	13593	13742	13875	13958	14013	14094	14122	14233					14095				
Press/Lvl Transdr.	Initials																	
	Date																	
	W.O. #																	
Isolation Valves	Initials																	
	Date																	
	W.O. #																	
Cla-Val	Initials																	
	Date																	
	W.O. #																	
Mag-Meter	Initials																	
	Date																	
	W.O. #																	
A.R.V.	Initials																	
	Date																	
	W.O. #																	
M.C.C.	Initials																	
	Date																	
	W.O. #																	
Portable Generator	Initials	WQ	AH	WQ	WQ	WQ	WQ/MW	WQ	WQ/MW	WQ	WQ/MW	WQ	WQ/MW	Sect: 8.2.4	WQ/MW			
	Date	1/21/16		3/15/16	4/11/16	5/24/16	6/16/16	7/12/16	8/15/16					6/7/16				
	W.O. #	13593	13742	13875	13958	14013	14094	14122	14233					14095				
Generator Set	Initials																	
	Date																	
	W.O. #																	

=Well Offline

Elk Grove Water District

Preventative Maintenance Program

Well 11D Dino

Item	Monthly												Semi-annual			Annual			
	Refer.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Refer.	1ST 6-MO.	2ND 6-MO.	Refer.	2016	
Pump	Initials	WQ	AH	WQ	AH	AH	WQ/MW	AH/MW	WQ					Sect: 9.1.1	WQ/MW		Sect: 9.2.1	AH/WQ	6/20/16
	Date	1/7/16	2/18/16	3/16/16			6/28/16	7/6/16	8/11/16						6/7/16				
	W.O. #	13591	13741	13874	13957	14014	14074	14121	14231						14075				
Motor	Initials	WQ	AH	WQ	AH	AH	WQ/MW	AH/MW	WQ					Sect: 9.1.2	WQ/MW		Sect: 9.2.2	AH/WQ	6/20/16
	Date	1/7/16	2/18/16	3/16/16			6/28/16	7/6/16	8/11/16						6/7/16				
	W.O. #	13591	13741	13874	13957	14014	14074	14121	14231						14075				
Press/LV Transdr.	Initials													Sect: 9.3.2			Sect: 9.3.2		
	Date																		
	W.O. #																		
Isolation Valves	Initials													Sect: 9.3.6			Sect: 9.3.6		
	Date																		
	W.O. #																		
Cla-Val	Initials													Sect: 9.3.1			Sect: 9.3.1		
	Date																		
	W.O. #																		
Mag-Meter	Initials													Sect: 9.3.3			Sect: 9.3.3		
	Date																		
	W.O. #																		
A.R.V.	Initials													Sect: 9.3.4			Sect: 9.3.4		
	Date																		
	W.O. #																		
M.C.C.	Initials													Sect: 9.3.5			Sect: 9.3.5		
	Date																		
	W.O. #																		
Portable Generator	Initials	WQ	AH	WQ	AH	AH	WQ/MW	AH/MW	WQ					Sect: 9.1.3	WQ/MW		Sect: 9.2.4	AH/WQ	6/20/16
	Date	1/7/16	2/18/16	3/16/16			6/28/16	7/6/16	8/11/16						6/7/16				
	W.O. #	135911	13741	13874	13957	14014	14074	14121	14231						14075				
Generator Set	Initials													Sect: 9.4.2			Sect: 9.4.2		
	Date																		
	W.O. #																		

=Well Offline

Year: 2016

Elk Grove Water District

Preventative Maintenance Program

Well 14D Railroad

Item	Monthly												Semi-annual		Annual					
	Refer.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Refer.	1ST 6-MO.	2ND 6-MO.	Refer.	2016		
Pump	Initials	WQ	WQ	WQ	WQ	WQ	WQ/MW	WQ	WQ						WQ/MW					
	Date	1/5/16	2/3/16	3/22/16	4/5/16	5/19/16	6/21/16	7/13/16	8-0-16						6/7/16					
	W.O.#	13589	13739	13879	13962	14012	14073	14123	14237						13969					
Motor	Initials	WQ	WQ	WQ	WQ	WQ	WQ/MW	WQ	WQ						WQ/MW					
	Date	1/5/16	2/3/16	3/22/16	4/5/16	5/19/16	6/21/16	7/13/16	8/10/16						6/7/16					
	W.O.#	13589	13739	13879	13962	14012	14073	14123	14237						13969					
Press/Lvl Transducer	Initials																			
	Date																			
	W.O.#																			
Isolation Valves	Initials																			
	Date																			
	W.O.#																			
Cl-Val	Initials																			
	Date																			
	W.O.#																			
Mag-Meter	Initials																			
	Date																			
	W.O.#																			
A.R.V.	Initials														WQ/MW					
	Date														6/7/16					
	W.O.#														13969					
M.C.C.	Initials																			
	Date																			
	W.O.#																			

Elk Grove Water District

Preventative Maintenance Program

WELL 3 MAR-VAL

Item	Monthly												Quarterly				Semi-annual				Annual					
	Refer.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Refer.	1st	2nd	3rd	4th	Refer.	1st	6-2ND	6-3RD	6-4TH	Refer.	2016	
Motor	Section: 12.1.2	WQ 1/13/16 13586	AH/WQ 2/24/16 13737	WQ 3/22/16 13876	WQ 4/12/16 13961	WQ 5/26/16 14015	WQ/MW 6/13/16 14076	AH/WQ 7/11/16 14125	WQ 8/9/16 14235											WQ/MW 6/7/16 14078						
Pump	Section: 12.1.1	WQ 1/13/16 13586	AH/WQ 2/24/16 13737	WQ 3/22/16 13876	WQ 4/12/16 13961	WQ 5/26/16 14015	WQ/MW 6/13/16 14076	AH/WQ 7/20/16 14125	WQ 8/9/16 14235											WQ/MW 6/7/16 14078						
Chlorine Pump																										
Air Changer																										
Check Valve																										
A.R.V.																										
M.C.C.																										
Pneumat Tank																										
Isolation Valves																										
Propeller Meter																										

Elk Grove Water District

Preventative Maintenance Program

Well 8 Williamson

Item	Monthly												Quarterly				Semi-annual			Annual						
	Refer.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Refer.	1st	2nd	3rd	4th	Refer.	1st	2nd	3rd	4th	Refer.	2016	
Motor	Section: 11.1.2	AH 1/13/16 13587	AH 2/18/16 13738	WQ/MW 3/23/16 13872	AH 4/11/16 13959	WQ 5/25/16 14018	WQ/MW 6/9/16 14079	AH/WQ 7/11/16 14120	WQ/MW 8/16/16 14234					Section: 11.3.2	WQ/MW 6/7/16 14081				Section: 11.3.2	WQ/MW 6/7/16 14081						
Pump	Section: 11.1.1	AH 1/13/16 13587	AH 2/18/16 13738	WQ/MW 3/23/16 13872	AH 4/11/16 13959	WQ 5/25/16 14018	WQ/MW 6/9/16 14079	AH 7/20/16 14120	WQ/MW 8/16/16 14234					Section: 11.3.1	WQ/MW 6/7/16 14081				Section: 11.3.1	WQ/MW 6/7/16 14081						
Chlorine Pump														Section: 11.2.1	WQ/MW 3/23/16 13873	AH 6/15/16				Section: 11.2.1	WQ/MW 3/23/16 13873	AH 6/15/16				
Air Charer														Section: 11.2.2	WQ/MW 3/23/16 13873	AH 6/16/16				Section: 11.2.2	WQ/MW 3/23/16 13873	AH 6/16/16				
Check Valve														Section: 11.3.3	WQ/MW 6/7/16 14081				Section: 11.3.3	WQ/MW 6/7/16 14081						
A.R.V.														Section: 11.3.4	WQ/MW 6/7/16 14081				Section: 11.3.4	WQ/MW 6/7/16 14081						
M.C.C.														Section: 11.4.1					Section: 11.4.1							
Pneumat Tank														Section: 11.2.3	WQ/MW 3/23/16 13873	AH 6/16/16				Section: 11.2.3	WQ/MW 3/23/16 13873	AH 6/16/16				
Isolation Valves														Section: 11.4.2					Section: 11.4.2							
Propeller Meter														Section: 11.4.3					Section: 11.4.3							

Year: 2016

Elk Grove Water District

Preventative Maintenance Program

Well 9 Polhemus

Item	Check Valve	Monthly												Quarterly				Annual	
		Refer.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1st	2nd	3rd	4th	Refer.
Chlorine Pump	Initials Date W.O. #	Sec: TBD	WQ 1/11/16 13588	WQ 2/4/16 13736	WQ 3/22/16 13870	WQ 4/7/16 13960	WQ 5/11/16 14017	WQ/MW 6/15/16 14084	WQ/AH 7/20/16 14119	WQ 8/10/16 14236				WQ 3/22/16 13871	AH 6/15/16 14085			TBD	
Air Charer	Initials Date W.O. #	Sec: TBD	WQ 3/22/16 13870	WQ 4/7/16 13960	WQ 5/11/16 14017	WQ/MW 6/15/16 14084	WQ/AH 7/20/16 14119	WQ 8/10/16 14236						WQ 3/22/16 13871	AH 6/16/16 14085			TBD	
Isolation Valves	Initials Date W.O. #	Sec: TBD	WQ 3/22/16 13870	WQ 4/7/16 13960	WQ 5/11/16 14017	WQ/MW 6/15/16 14084	WQ/AH 7/20/16 14119	WQ 8/10/16 14236						WQ 3/22/16 13871	AH 6/16/16 14085			TBD	
A.R.V.	Initials Date W.O. #	Sec: TBD	WQ 3/22/16 13870	WQ 4/7/16 13960	WQ 5/11/16 14017	WQ/MW 6/15/16 14084	WQ/AH 7/20/16 14119	WQ 8/10/16 14236						WQ 3/22/16 13871	AH 6/16/16 14085			TBD	
M.C.C.	Initials Date W.O. #	Sec: TBD	WQ 3/22/16 13870	WQ 4/7/16 13960	WQ 5/11/16 14017	WQ/MW 6/15/16 14084	WQ/AH 7/20/16 14119	WQ 8/10/16 14236						WQ 3/22/16 13871	AH 6/16/16 14085			TBD	
Pneumat Tank	Initials Date W.O. #	Sec: TBD	WQ 3/22/16 13870	WQ 4/7/16 13960	WQ 5/11/16 14017	WQ/MW 6/15/16 14084	WQ/AH 7/20/16 14119	WQ 8/10/16 14236						WQ 3/22/16 13871	AH 6/16/16 14085			TBD	
Propeller Meter	Initials Date W.O. #	Sec: TBD	WQ 3/22/16 13870	WQ 4/7/16 13960	WQ 5/11/16 14017	WQ/MW 6/15/16 14084	WQ/AH 7/20/16 14119	WQ 8/10/16 14236						WQ 3/22/16 13871	AH 6/16/16 14085			TBD	

Elk Grove Water District
Backflow Prevention Program 2016

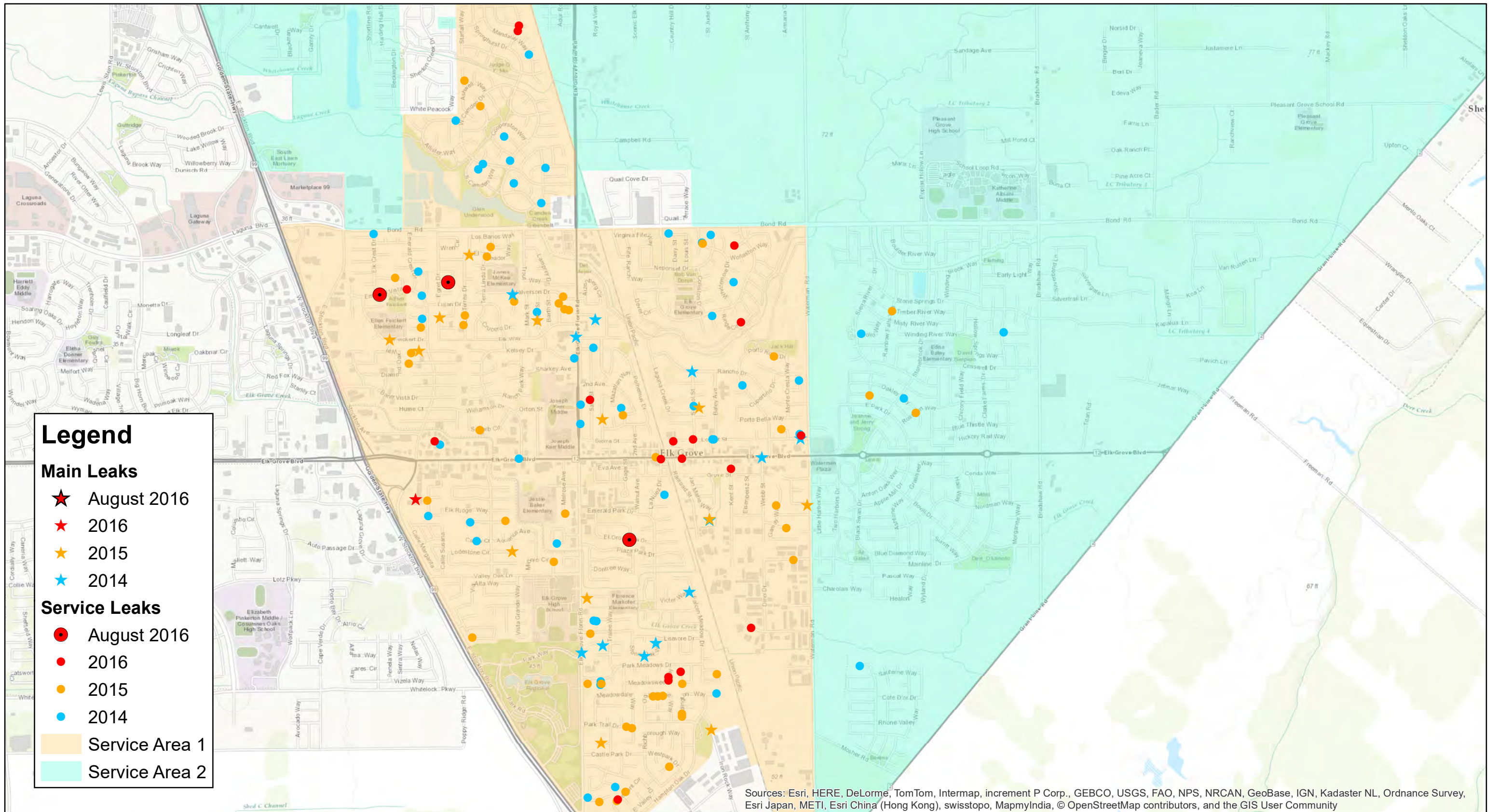
Backflow Device Reports												
CURRENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Notices Issued	21	38	74	12	58	67	166	94				
Pass:	12	38	61	11	50	44	117	62				
Fail:	0	0	4	1	0	3	9	4				
Failed Devices Retested----Passed			3	1		3	7	2				
Outstanding Results Due	9	0	10	0	8	20	42	30				

DELINQUENT												
JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
Investigations						2						
Deactivated Devices						1						
Sent:	9	0	9	8	20	39	30					
Received:	9	0	8	8	1	30	0					
Sent:			2		19	9						
Received:			2		18	4						
Schedule Code Changed												
Outstanding Delinquents	0	0	0	0	0	1	5	30				
Carryover from 2015	0											

Total Outstanding Delinquents	36
--------------------------------------	-----------

Elk Grove Water District
Safety Meetings/Training
August 2016

Date	Topic	Attendees	Hosted By
8/1/2016	Job Hazard Analysis	Steve Shaw, Jose Carrillo, John Diaz, David Frederick, Sean Hinton, Justin Mello, Jose Mendoza, Michael Montiel, John Vance, Marcell Wilson, Richard Salas, Alan Aragon, Sal Mendoza, Chris Phillips, Brandon Wagner, Travis Franklin, William Sadler	Erick Watkins
8/8/2016	Back Safety	Alan Aragon, Jose Carrillo, John Diaz, Dave Frederick, Aaron Hewitt, Sean Hinton, Jose Mendoza, Michael Montiel, Chris Phillips, Wilfredo Quintero, William Sadler, Richard Salas, Steve Shaw, John Vance, Brandon Wagner	Erick Watkins
8/15/2016	Strains & Sprains	Alan Aragon, Jose Carrillo, Travis Franklin, Dave Frederick, Aaron Hewitt, Sean Hinton, Justin Mello, Jose Mendoza, Sal Mendoza, Michael Montiel, Chris Phillips, Wilfredo Quintero, William Sadler, Richard Salas, Steve Shaw, John Vance, Brandon Wagner, Marcell Wilson	Erick Watkins
8/22/2016	Avoiding Pinch Points	Alan Aragon, Jose Carrillo, John Diaz, Travis Franklin, Dave Frederick, Aaron Hewitt, Sean Hinton, Justin Mello, Jose Mendoza, Sal Mendoza, Michael Montiel, Chris Phillips, Wilfredo Quintero, William Sadler, Richard Salas, Steve Shaw, John Vance, Brandon Wagner, Marcell Wilson	Erick Watkins
8/25/2016	Crystalline Silica & Cal OSHA New Fine Schedule	All Staff Required to Attend	Erick Watkins
8/29/2016	Protective Clothing	Alan Aragon, Jose Carrillo, John Diaz, Dave Frederick, Sean Hinton, Justin Mello, Jose Mendoza, Sal Mendoza, Michael Montiel, Wilfredo Quintero, William Sadler, Richard Salas, Steve Shaw, John Vance, Brandon Wagner	Erick Watkins



Legend

Main Leaks

- ★ August 2016
- ★ 2016
- ★ 2015
- ★ 2014

Service Leaks

- August 2016
- 2016
- 2015
- 2014

■ Service Area 1

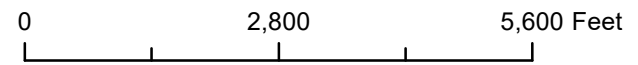
■ Service Area 2

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

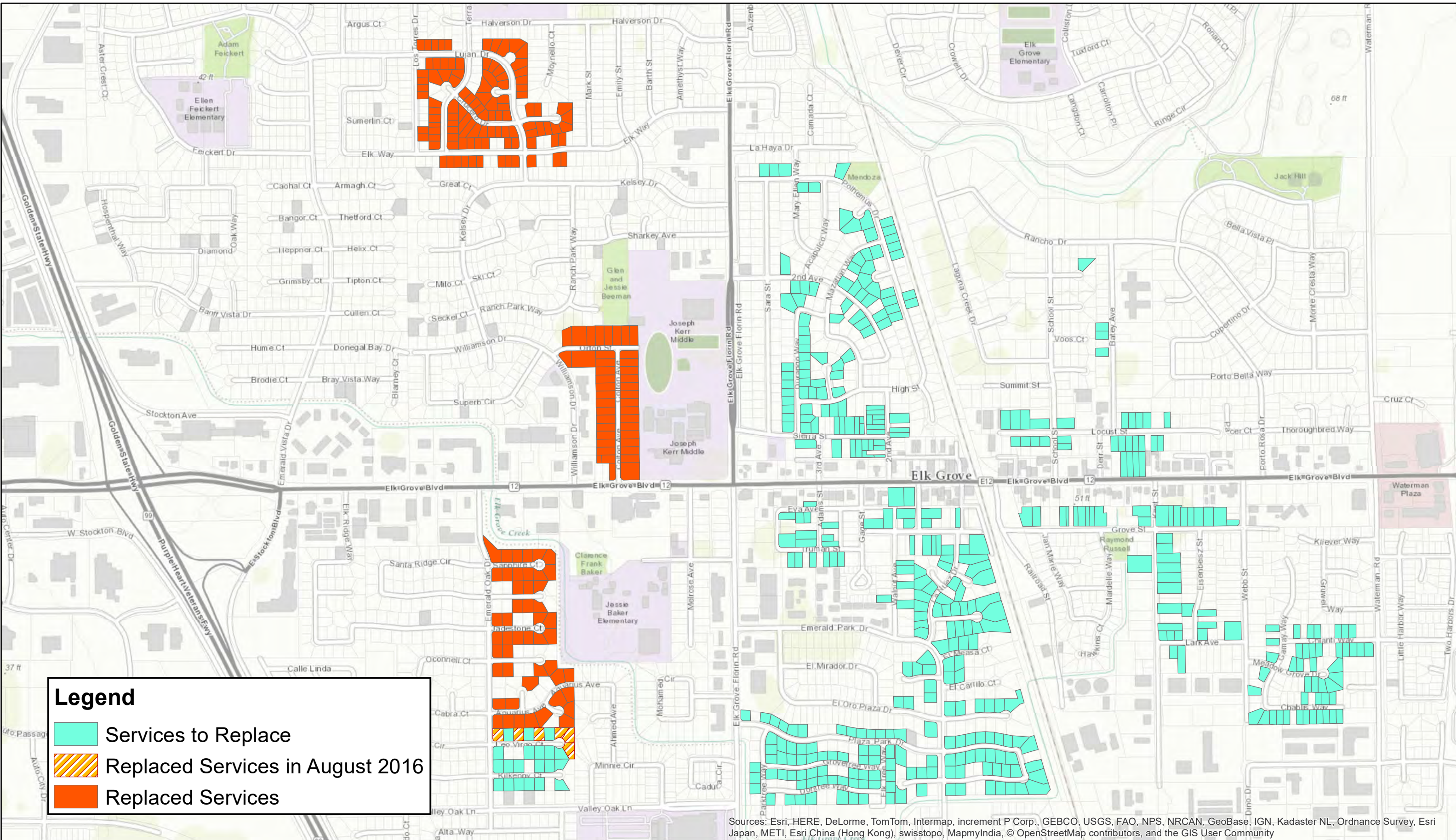
August 2016	
Main Line Leaks: 0	YTD: 1
Service Line Leaks: 3	YTD: 21
Total Leaks: 3	YTD: 22



Elk Grove Water District Main and Service Line Leaks Map



Elk Grove Water District
Service / Main Leaks
Created by: Travis Franklin
Date: September 12, 2016



Legend

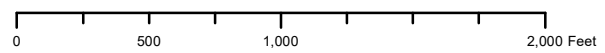
- Services to Replace
- Replaced Services in August 2016
- Replaced Services

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

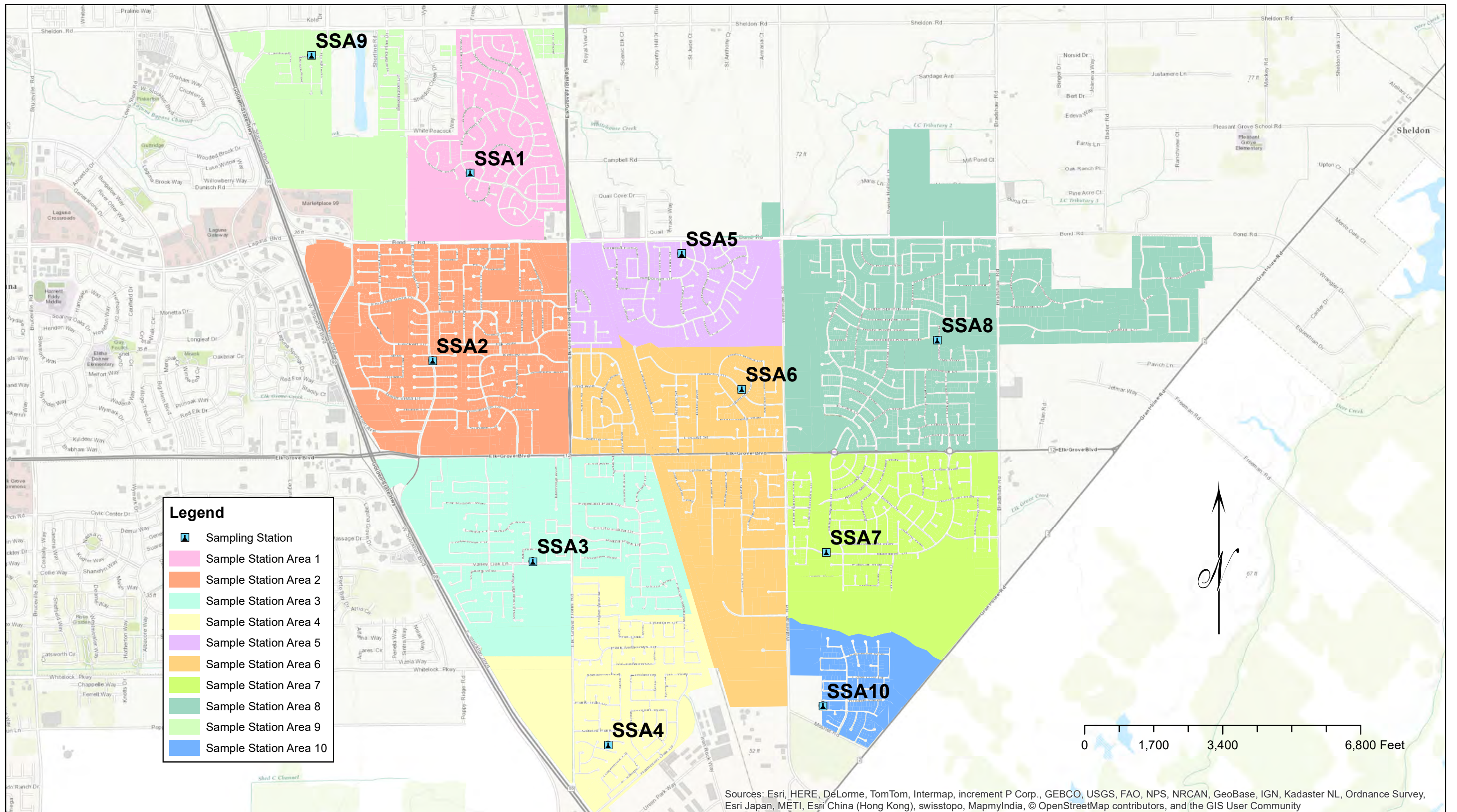
Services to Replace: 427
Services Replaced in August 2016: 6
Total Service Replaced: 197



Elk Grove Water District Service Line Replacement



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: September 12, 2016



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

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

Sample Stations: 10



Elk Grove Water District

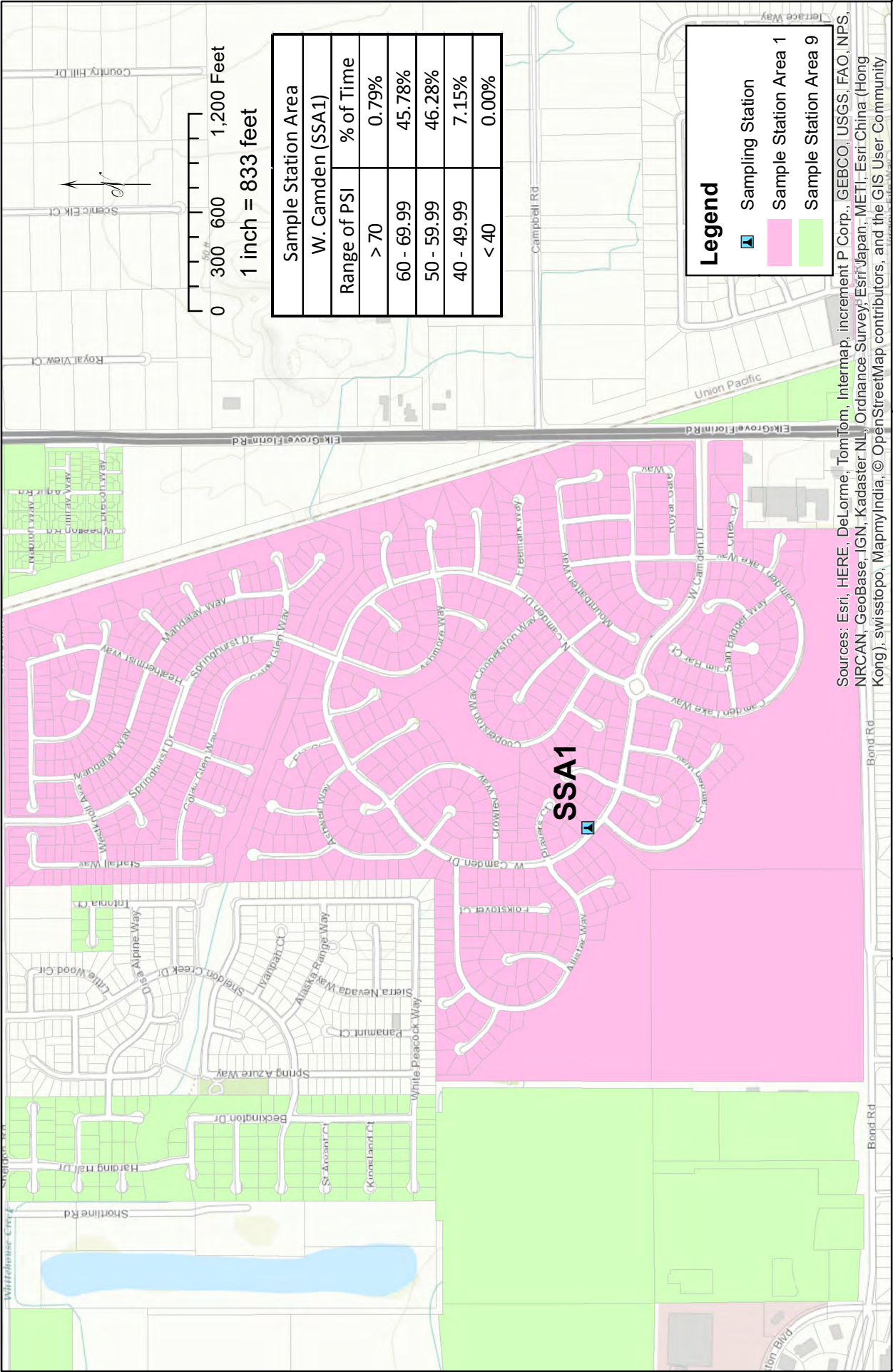
Sample Station Areas

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

Source: EGWD GIS database

Modified by: Travis Franklin

September 7, 2016



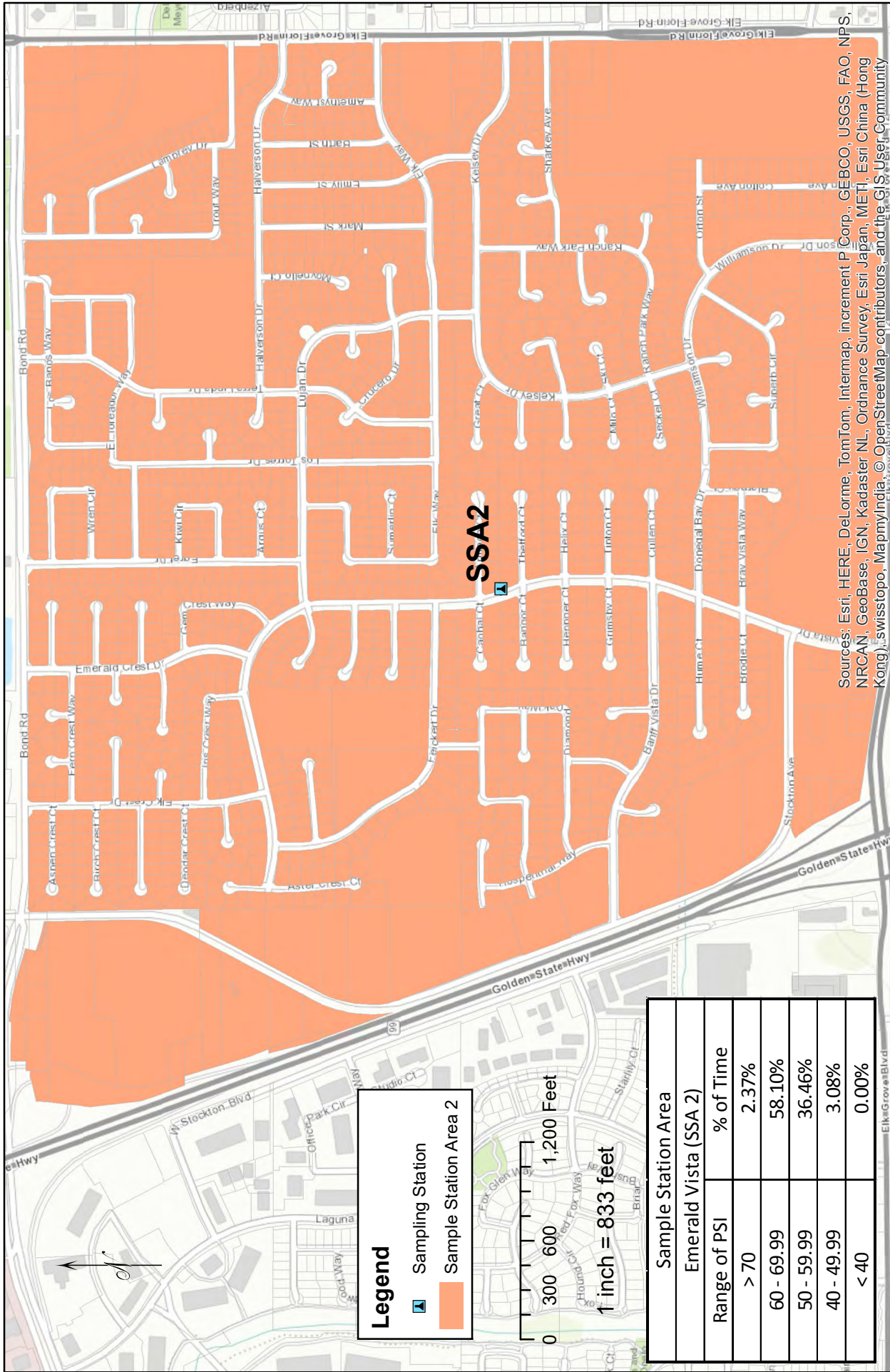
Sources: Esri, HERE, DeLorme, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisslipo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

Sample Station #1
 Note: Sample Station takes a reading every 5 minutes.
 August 2016



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
 September 7, 2016



Legend

-  Sampling Station
-  Sample Station Area 2

0 300 600 1,200 Feet
 1 inch = 833 feet

Sample Station Area	% of Time
Emerald Vista (SSA 2)	2.37%
Range of PSI > 70	58.10%
60 - 69.99	36.46%
50 - 59.99	3.08%
40 - 49.99	0.00%
< 40	

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



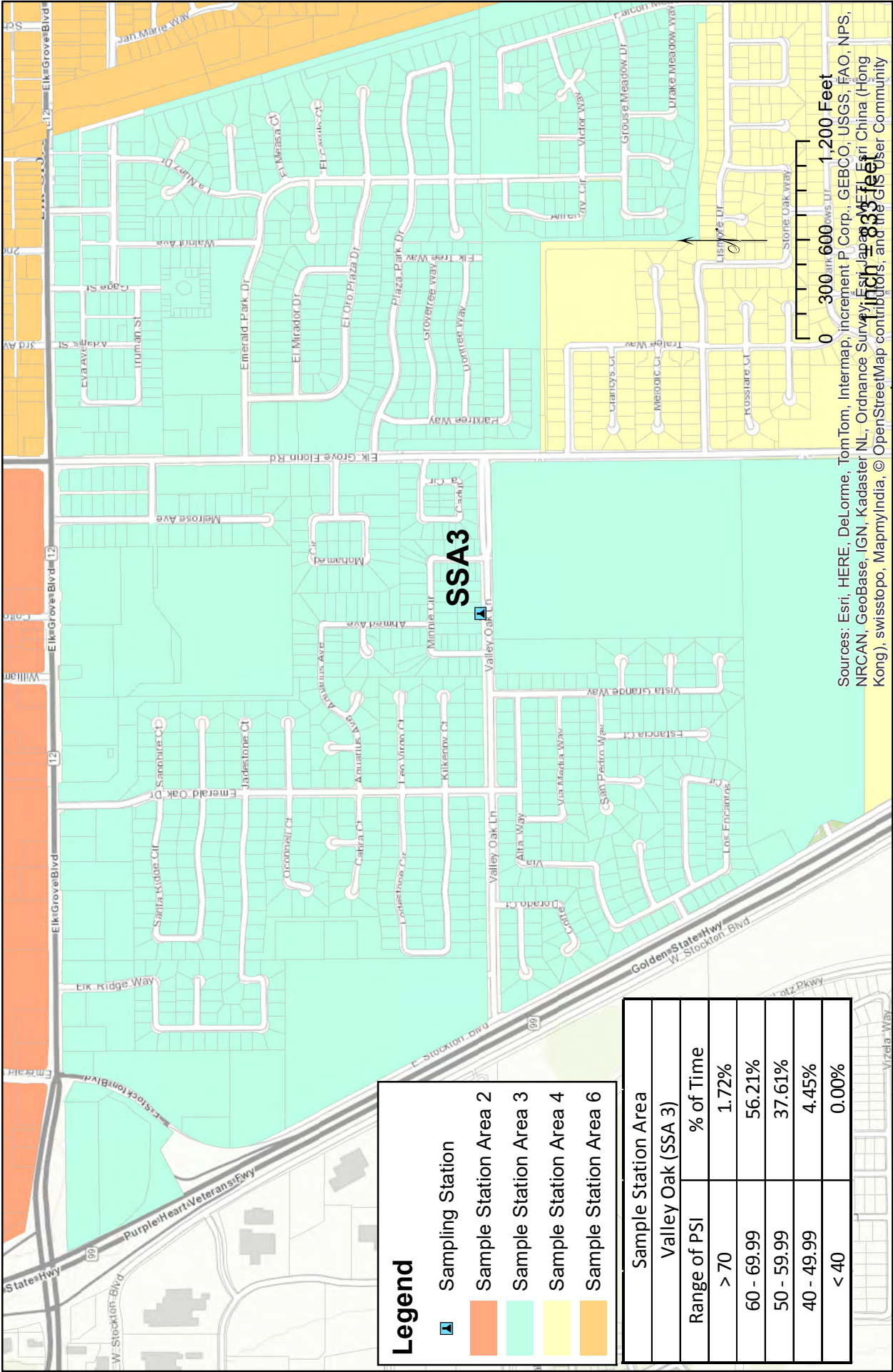
Elk Grove Water District System Pressure Monitoring

Projected Coordinate System:
 NAD 83 State Plane CA II FIPS 0402
 Source: EGWD GIS database
 Created by: Travis Franklin
 September 7, 2016

Sample Station #2

Note: Sample Station takes a reading every 5 minutes.

August 2016



Sources: Esri, HERE, DeLorme, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, Swisstopo, 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	% of Time
Valley Oak (SSA 3)	
Range of PSI	
> 70	1.72%
60 - 69.99	56.21%
50 - 59.99	37.61%
40 - 49.99	4.45%
< 40	0.00%

Sample Station #3

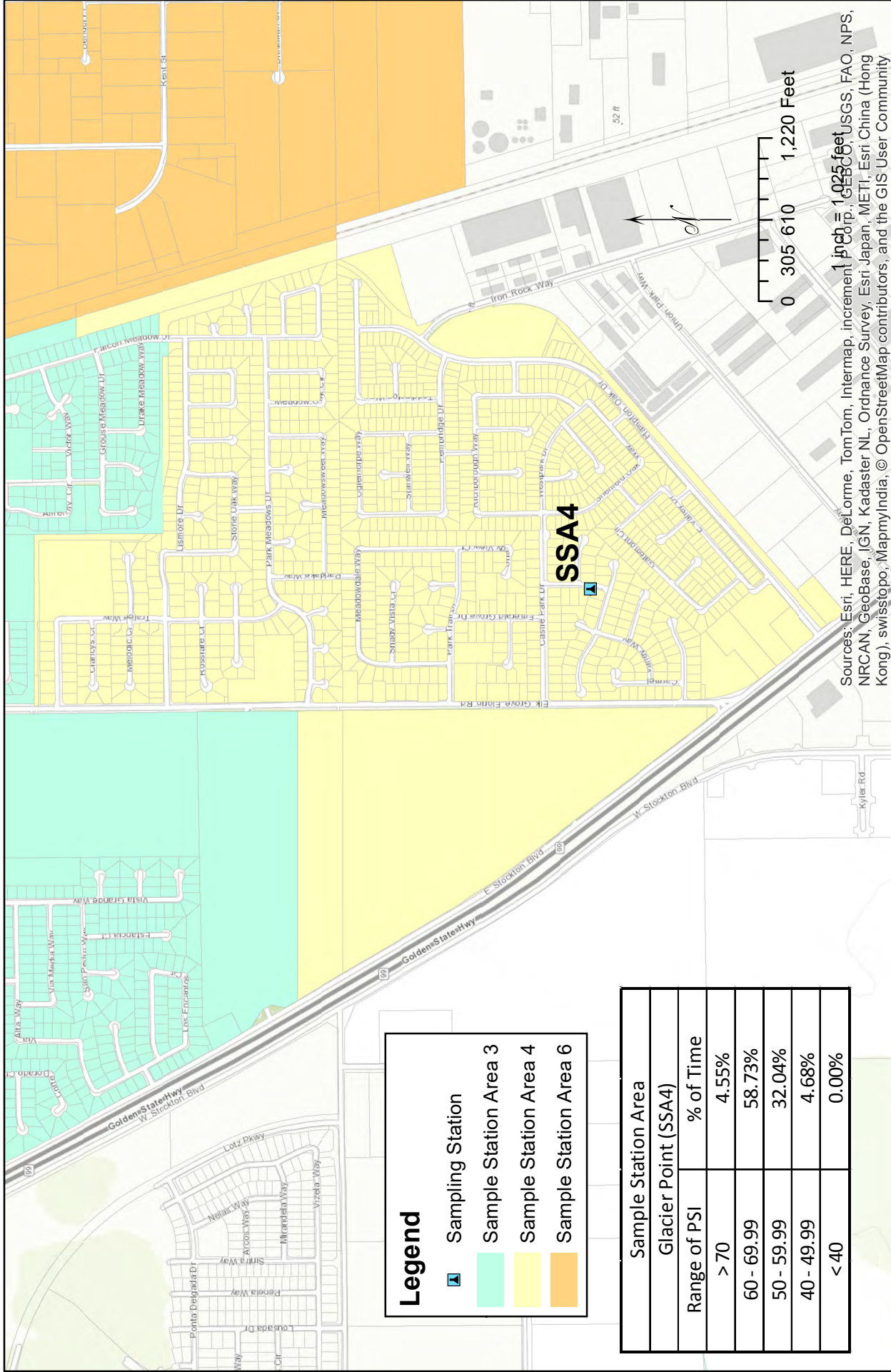
Note: Sample Station takes a reading every 5 minutes.

August 2016



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
September 7, 2016



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), swisslipo, 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)	% of Time
Range of PSI		
> 70		4.55%
60 - 69.99		58.73%
50 - 59.99		32.04%
40 - 49.99		4.68%
< 40		0.00%



Elk Grove Water District

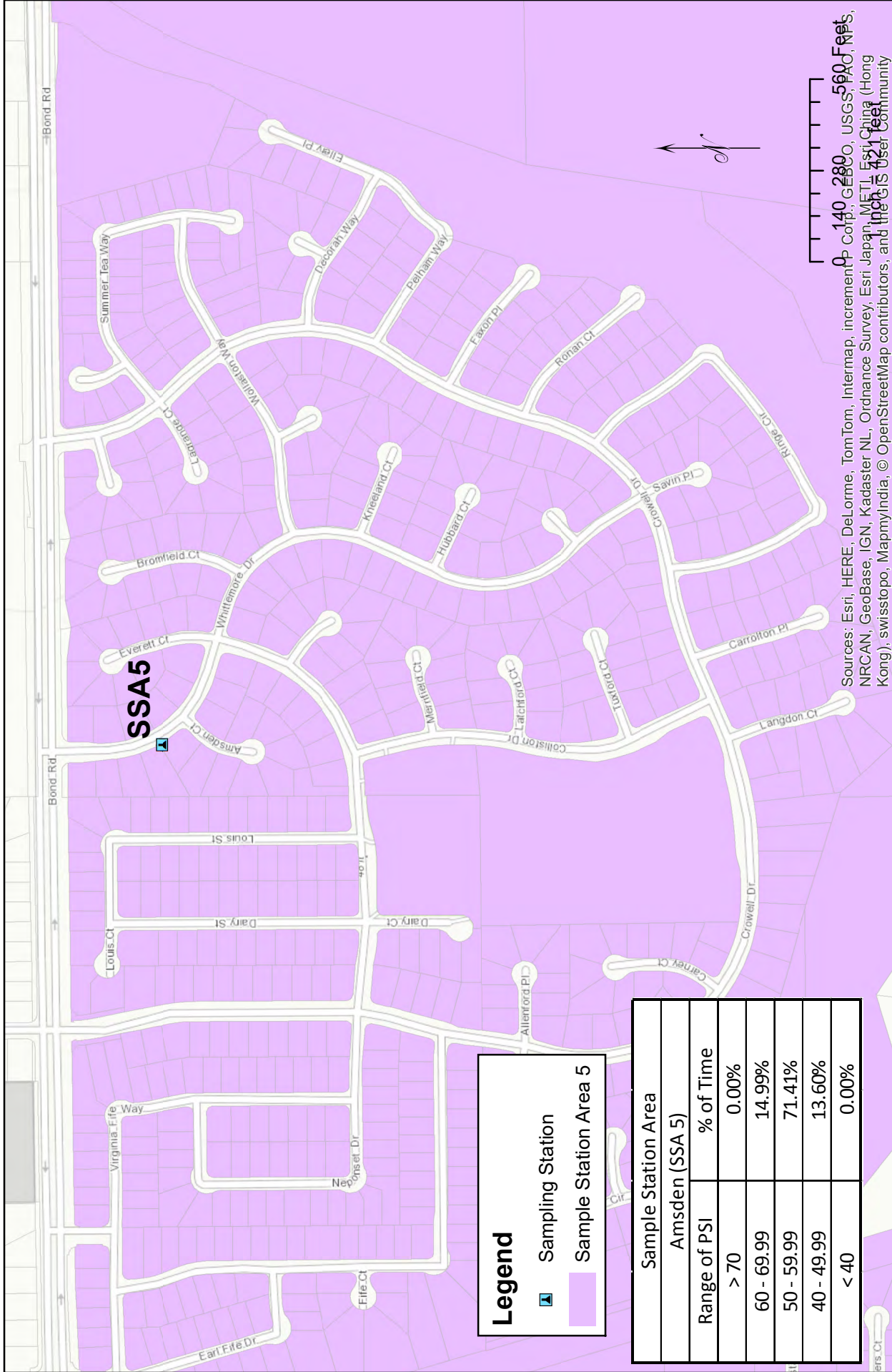
System Pressure Monitoring

Projected Coordinate System:
 NAD 83 State Plane CA II FIPS 0402
 Source: EGWD GIS database
 Created by: Travis Franklin
 September 7, 2016

Sample Station #4

Note: Sample Station takes a reading every 5 minutes.

August 2016



Legend

- Sampling Station
- Sample Station Area 5

Sample Station Area	
Amsden (SSA 5)	
Range of PSI	% of Time
> 70	0.00%
60 - 69.99	14.99%
50 - 59.99	71.41%
40 - 49.99	13.60%
< 40	0.00%



Elk Grove Water District

System Pressure Monitoring

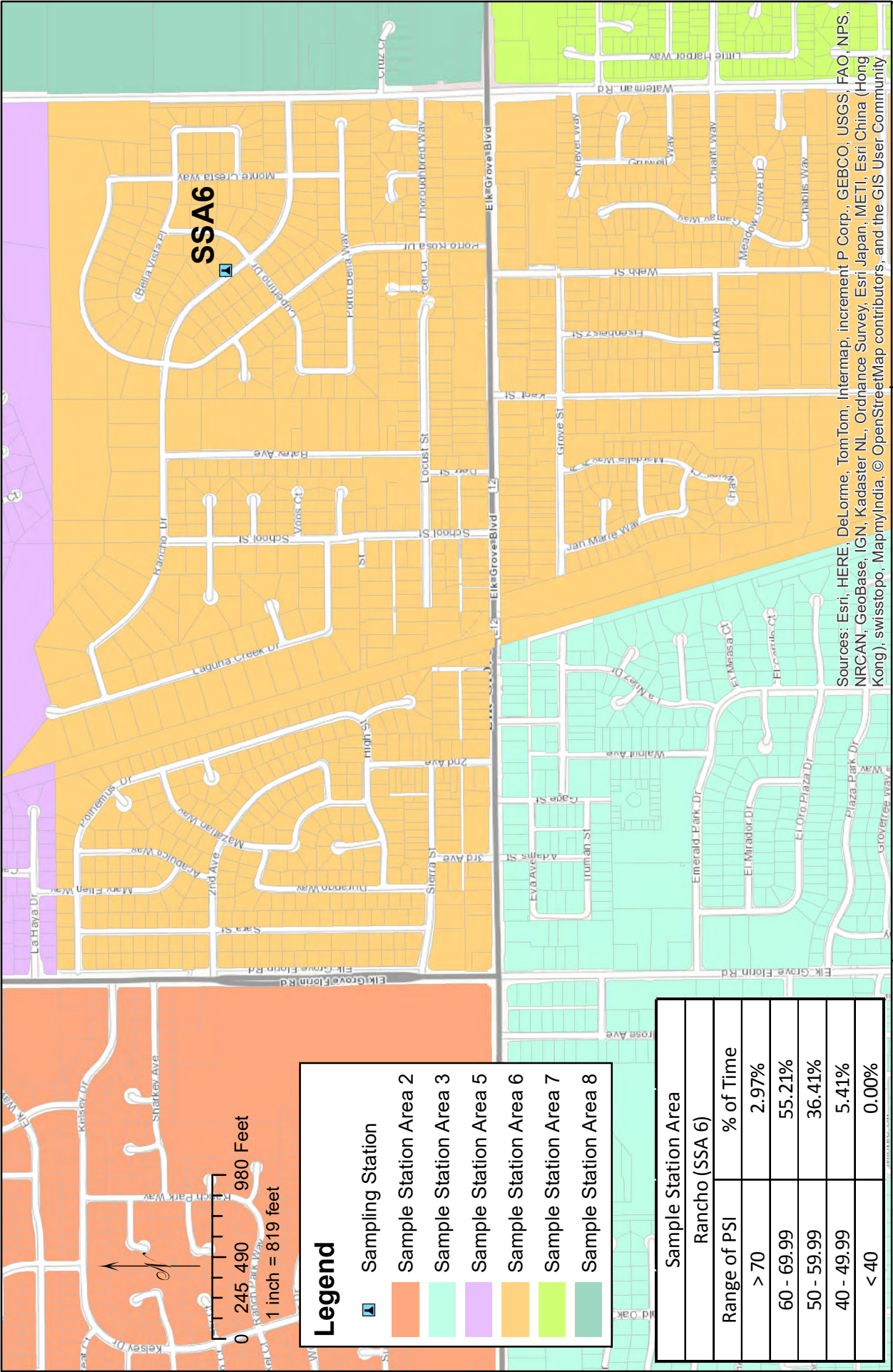
Projected Coordinate System:
 NAD 83 State Plane CA II FIPS 0402
 Source: EGWD GIS database
 Created by: Travis Franklin
 September 7, 2016

Sample Station #5

Notes: Sample Station takes a reading every 5 minutes.

August 2016

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 2
- Sample Station Area 3
- Sample Station Area 5
- Sample Station Area 6
- Sample Station Area 7
- Sample Station Area 8

Sample Station Area	Range of PSI	% of Time
Rancho (SSA 6)	> 70	2.97%
	60 - 69.99	55.21%
	50 - 59.99	36.41%
	40 - 49.99	5.41%
	< 40	0.00%

Sample Station #6

Note: Sample Station takes a reading every 5 minutes.

August 2016



Eik 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
September 7, 2016

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

Sample Station Area	Mainline (SSA 7)
Range of PSI	% of Time
> 70	0.02%
60 - 69.99	36.26%
50 - 59.99	63.07%
40 - 49.99	0.64%
< 40	0.00%

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

Projected Coordinate System:
 NAD 83 State Plane CA II FIPS 0402
 Source: EGWD GIS database
 Created by: Travis Franklin
 September 7, 2016



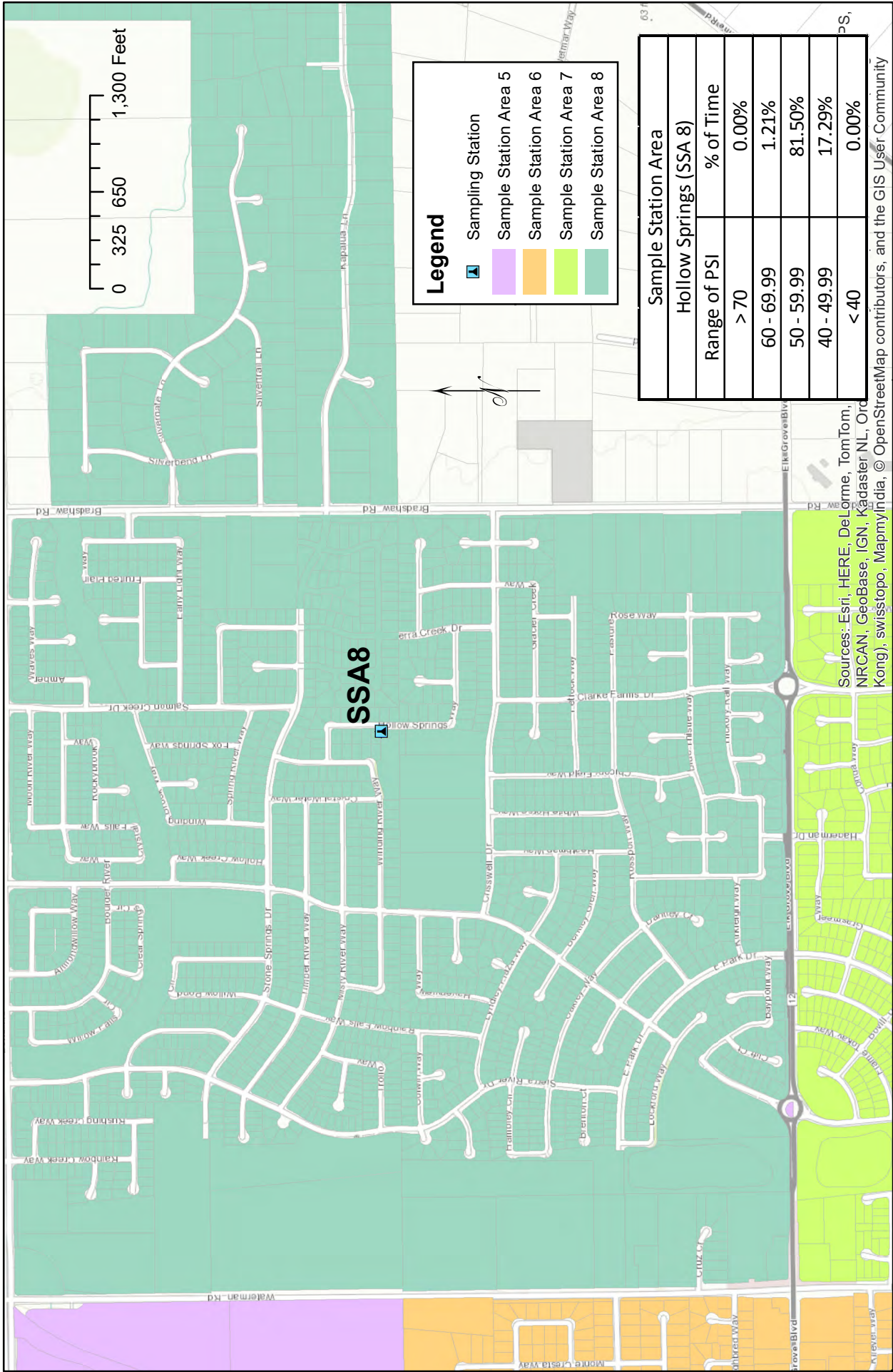
Elk Grove Water District

System Pressure Monitoring

Sample Station #7

Note: Sample Station takes a reading every 5 minutes.

August 2016



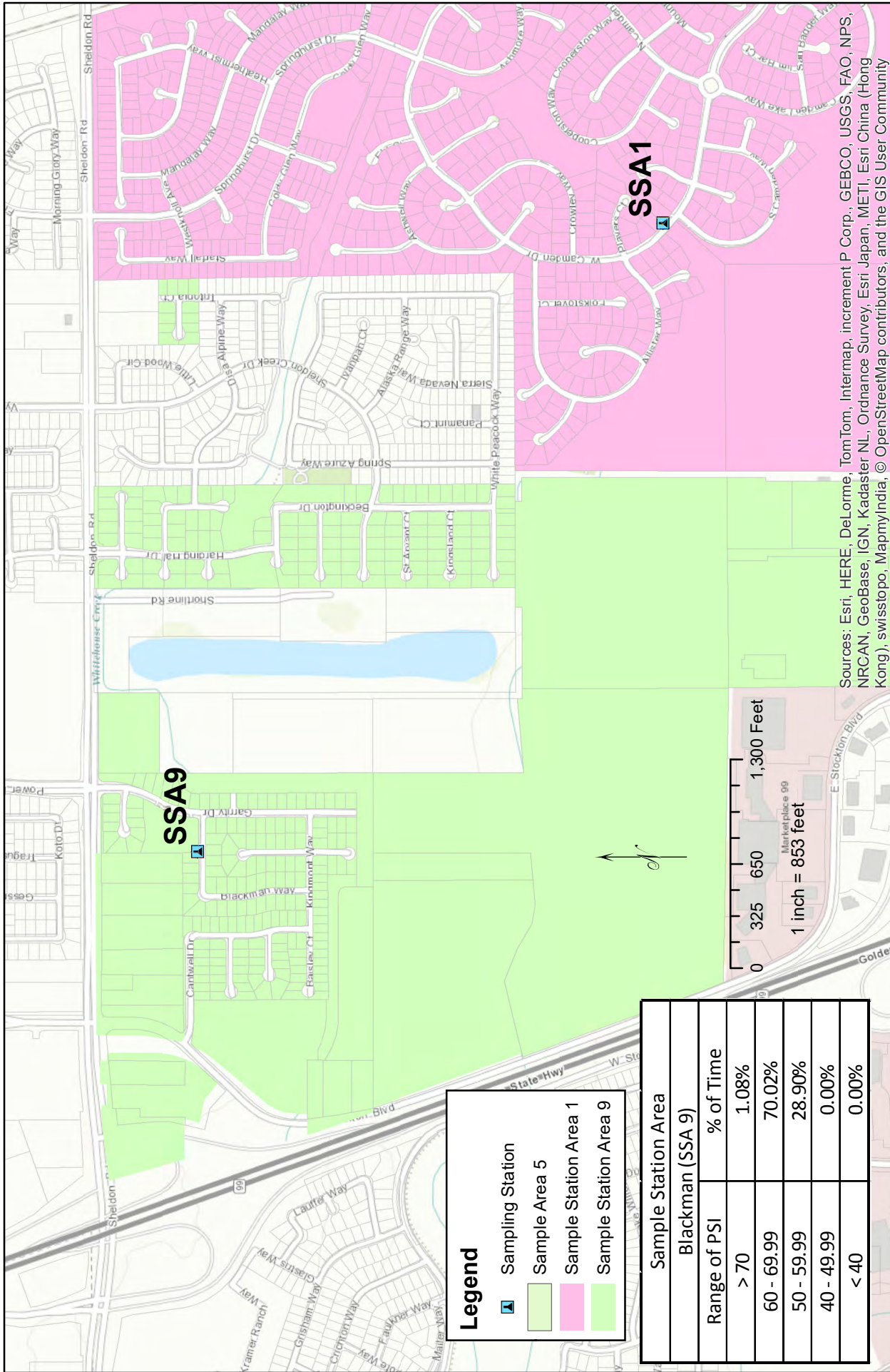
Elk Grove Water District
System Pressure Monitoring

Projected Coordinate System:
NAD 83 State Plane CA II FIPS 0402
Source: EGWD GIS database
Created by: Travis Franklin
September 7, 2016

Sample Station #8

Note: Sample Station takes a reading every 5 minutes.
August 2016

57



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

Legend	
	Sampling Station
	Sample Area 5
	Sample Station Area 1
	Sample Station Area 9

Sample Station Area	
Blackman (SSA 9)	
Range of PSI	% of Time
> 70	1.08%
60 - 69.99	70.02%
50 - 59.99	28.90%
40 - 49.99	0.00%
< 40	0.00%

Sample Station #9

Note: Sample Station takes a reading every 5 minutes.

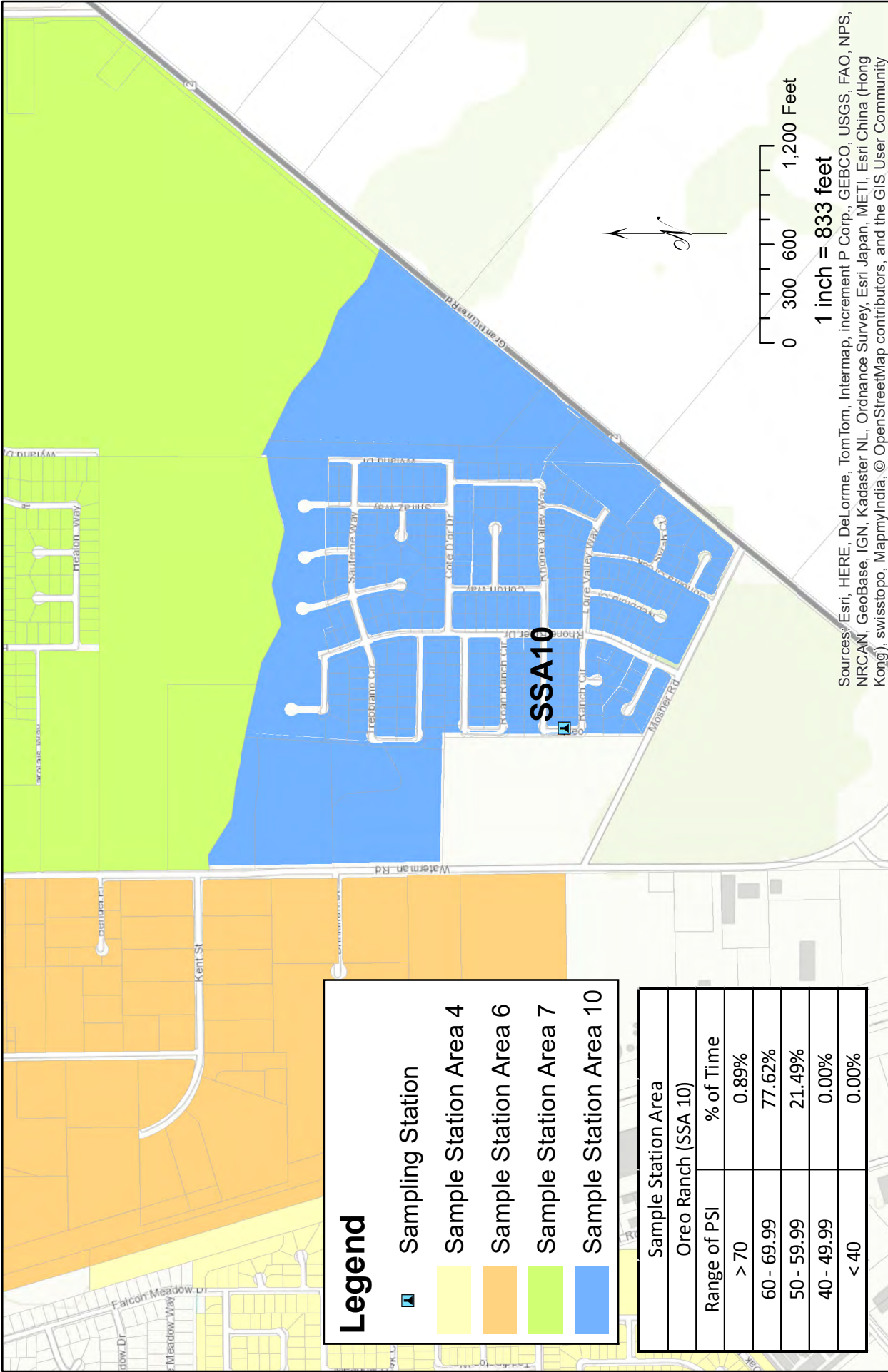
August 2016



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
 September 7, 2016



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	0.89%
60 - 69.99	77.62%
50 - 59.99	21.49%
40 - 49.99	0.00%
< 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
 September 7, 2016

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

Sample Station #10

Note: Sample Station takes a reading every 5 minutes.

August 2016

September 28, 2016

TO: Chairman and Directors of the Florin Resource Conservation District
FROM: Bruce M. Kamilos, Assistant General Manager
SUBJECT: **TRUCK PURCHASE FOR REPLACEMENT OF TRUCK #301**

RECOMMENDATION

It is recommended that the Board of Directors of the Florin Resource Conservation District authorize the General Manager to execute a purchase order, in the amount \$51,067.98 (including tax and license), with Downtown Ford to purchase a 1-ton truck to replace Truck #301.

Summary

The replacement of Truck #301 was approved in the Fiscal Year Capital Improvement Program (FY 2016-17 CIP). Per the Florin Resource Conservation District's (FRCD) Policy No. 3 (Purchases of Goods and Services from Outside Vendors), a competitive bidding process was used to acquire three (3) bids for a 1-ton truck with utility box. The lowest priced, qualified, responsible bidder is Downtown Ford with a bid amount of \$51,067.98.

This action, if approved, would authorize the General Manager to execute a purchase order in the amount \$51,067.98 with Downtown Ford for the purchase of a 1-ton truck with a utility box.

DISCUSSION

Background

Truck #301 is a 2006 Chevrolet 1 ton that is 10-years old with 35,301 city miles. The Elk Grove Water District's (EGWD) Asset Management Plan tracks the age of trucks in EGWD's vehicle and equipment fleet, and sets a 10-year replacement cycle on all work trucks.

TRUCK PURCHASE FOR REPLACEMENT OF TRUCK #301

Page 2

Present Situation

FRCD's Policy No. 3, Purchases of Goods and Services from Outside Vendors, requires that major purchases of items costing more than \$50,000 be competitively bid and approved by the FRCD Board of Directors. Three (3) bids were obtained for a 1-ton truck with utility box and crane. The lowest priced, qualified, responsible bidder is Elk Grove Ford. The bids are summarized below and represent the amounts including tax and license.

	<u>Company Name</u>	<u>Bid Amount</u>
1	Downtown Ford	\$51,067.98
2	Harrold Ford	\$52,059.24
3	Elk Grove Ford	\$54,039.50

ENVIRONMENTAL CONSIDERATIONS

There are no environmental considerations associated with the purchase of the truck.

STRATEGIC PLAN CONFORMITY

The recommendation made in this staff report conforms to the FRCD/EGWD's 2012-2017 Strategic Plan. The Strategic Plan, under the Asset Management section, identifies that each piece of equipment has a life expectancy for which its replacement shall be planned for and carried out.

FINANCIAL SUMMARY

The financial impact of purchasing the 1-ton truck with utility box is \$51,067.98 including tax and license. The FY 2016-17 Capital Improvement Program budgeted \$60,000 for the replacement of Truck #301.

Respectfully Submitted,



BRUCE M. KAMILOS
ASSISTANT GENERAL MANAGER

September 28, 2016

TO: Chairman and Directors of the Florin Resource Conservation District

FROM: Bruce M. Kamilos, Assistant General Manager

SUBJECT: **RENEW SMALL UTILITY ENTERPRISE LICENSE AGREEMENT FOR ESRI ARCGIS SOFTWARE**

RECOMMENDATION

It is recommended that the Board of Directors of the Florin Resource Conservation District authorize the General Manager to execute an agreement in the amount of \$81,000 to renew the Small Utility Enterprise License Agreement with Esri for another three-year term.

Summary

The Small Utility Enterprise License Agreement (Agreement) that the Elk Grove Water District (EGWD) has with Esri is nearing the end of its current three-year term. This Agreement provides important software tools that allow EGWD employees access to critical water system maps and information. Staff recommends that the Board of Directors approve a motion authorizing the General Manager to execute the attached Agreement in the amount of \$81,000.

DISCUSSION

Background

On September 4, 2013, EGWD purchased a software license agreement from Esri in the amount of \$81,000 to provide important upgrades to its geographic information system. The Agreement has a three-year term and will expire on October 4, 2016.

Present Situation

EGWD uses Esri software to create GIS maps and store critical information related to its water system. Esri's Small Utility Enterprise License allows this information and maps to be available to any EGWD employee using a computer connected to the internet.

RENEW SMALL UTILITY ENTERPRISE LICENSE AGREEMENT FOR ESRI ARCGIS SOFTWARE

Page 2

The Agreement also enables features in Esri's software that allow EGWD to fully utilize its computerized maintenance and management system, Cityworks.

On October 4, 2016, the current Esri Small Utility Enterprise License Agreement will expire and EGWD will lose the ability for its employees to access its GIS maps and information from online computers.


STRATEGIC PLAN CONFORMITY

EGWD's Strategic Plan directs staff to develop and fortify its geographic information system and asset management program. The recommendation in this staff report conforms to this directive.

FINANCIAL SUMMARY

The Small Utility Enterprise License Agreement obligates EGWD to a three-year term. The Agreement provides for annual installment payments at \$27,000 per year over the three-year term, for a total cost of \$81,000 at the end of the three-year term.

Respectfully Submitted,



BRUCE M. KAMILOS
ASSISTANT GENERAL MANAGER

Attachments

September 28, 2016

TO: Chairman and Directors of the Florin Resource Conservation District

FROM: Mark J. Madison, General Manager

SUBJECT: **FLORIN RESOURCE CONSERVATION DISTRICT / ELK GROVE WATER DISTRICT 2018-2022 STRATEGIC PLAN**

RECOMMENDATION

It is recommended that the Board discuss and provide direction to the General Manager on when to begin the efforts to prepare the Florin Resource Conservation District/Elk Grove Water District 2018-2022 Strategic Plan.

Summary

The Florin Resource Conservation District/Elk Grove Water District (FRCD/EGWD) has been abiding by a 2012-2017 Strategic Plan that was approved by the Board on May 23, 2012. One of the key objectives established between the Board and the General Manager for Fiscal Year (FY) 2016-17 is to prepare a new five-year strategic plan which will, in part, provide the vision for our District between FY 2018 through FY 2022.

Because this is an election year and the makeup of the Board will change pursuant to the elections, staff is seeking direction from the Board on when to begin the efforts to develop the new FY 2018-22 Strategic Plan. Specifically, the General Manager is seeking direction on whether to begin the efforts under the current Board this fall, or wait until the new Board is seated.

DISCUSSION

Background

Strategic plans have been part of the FRCD/EGWD business profile for many years. Strategic planning was last performed in FY 2011-12 and the attached FRCD/EGWD 2012-17 Strategic Plan was approved on May 23, 2012.

Strategic plans typically adopt new mission statements, along with a series of governing values, goals and commitments, which serve as a vision for the District's continuing

**FLORIN RESOURCE CONSERVATION DISTRICT / ELK GROVE WATER DISTRICT
2018-2022 STRATEGIC PLAN**

Page 2

service to the community. The FRCD/EGWD 2012-17 Strategic Plan established a fresh set of these items, along with timelines for meeting various challenges over this period.

The preparation of the FRCD/EGWD 2012-17 Strategic Plan was completed as a collaborative effort. The participation of every Board and staff member was solicited. In addition, input received through a series of workshops as well as from subject matter experts helped the District look at our roles from many different viewpoints.

One key part of the FRCD/EGWD 2012-17 Strategic Plan was the establishment of the District's values: Leadership, Caring, Integrity, Professionalism and Vision. Staff has embraced these values and they are incorporated into the culture of the organization.

Present Situation

Over the past two years, considerable efforts have been expended to identify potential activities, along with funding sources, for the Florin Resource Conservation District. In particular, a FRCD Needs Assessment was prepared for the FRCD and this report was accepted and filed by the Board on March 23, 2016.

In preparing the FRCD Needs Assessment it became evident that many of the goals and challenges for the FRCD were stale and no longer applicable. For this reason, during the preparation of the FRCD and EGWD FY 2016-17 Operating Budgets, the Board established the preparation of a new FY 2018-22 strategic plan as a key objective for this fiscal year.

During the Committee Meeting Report on July 27, 2016, Director Nelson suggested that the Planning Committee meet soon to initiate the efforts on a new strategic plan. General Manager, Mark Madison, then responded questioning if this effort should begin under the current Board, or should it begin after a new Board was seated pursuant to the November 2016 elections. Because this issue was not presented as an action item on the July 27 agenda, Mr. Madison indicated that he would bring this question back to the Board at the next regular Board meeting.

At this time, the General Manager is seeking direction from the Board on whether to begin the FY 2018-22 Strategic Plan efforts under the current Board this fall, or wait until the new Board is seated.

September 28, 2016

**FLORIN RESOURCE CONSERVATION DISTRICT / ELK GROVE WATER DISTRICT
2018-2022 STRATEGIC PLAN**

Page 3

FINANCIAL SUMMARY

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

Respectfully submitted,



MARK J. MADISON
GENERAL MANAGER

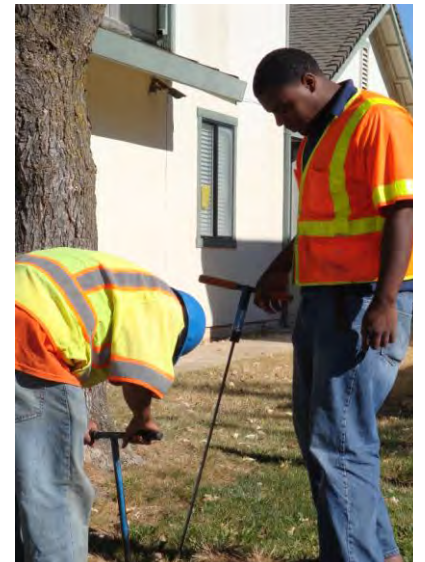
Attachment



**FLORIN RESOURCE
CONSERVATION DISTRICT
ELK GROVE WATER DISTRICT
2012 - 2017 STRATEGIC PLAN**



**Florin Resource Conservation District
Board of Directors:**
Barrie Lightfoot, Chair Associate Directors:
Chuck Dawson Donald Menasco
Elliot Mulberg Davies Ononiwu
Tom Nelson
Anthony Perez





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As your General Manager, I am proud to present the 2012 Strategic Plan for the Florin Resource Conservation District and the Elk Grove Water District.

This Strategic Plan (Plan) sets forth a five year vision and roadmap for the Florin Resource Conservation District (FRCD), and the Elk Grove Water District (EGWD) which is owned and operated by the FRCD. In its preparation, significant efforts were expended by District staff, coupled with careful oversight, guidance, and input by the District's Board of Directors and Associate Directors.

Both the FRCD and the EGWD provide vital services to the Elk Grove community. The mission statements and core values identified in this Plan center around safeguarding public health and safety, and protecting the natural resources of this region. We recognize the importance of our roles, and these missions and values were developed with that importance in mind.

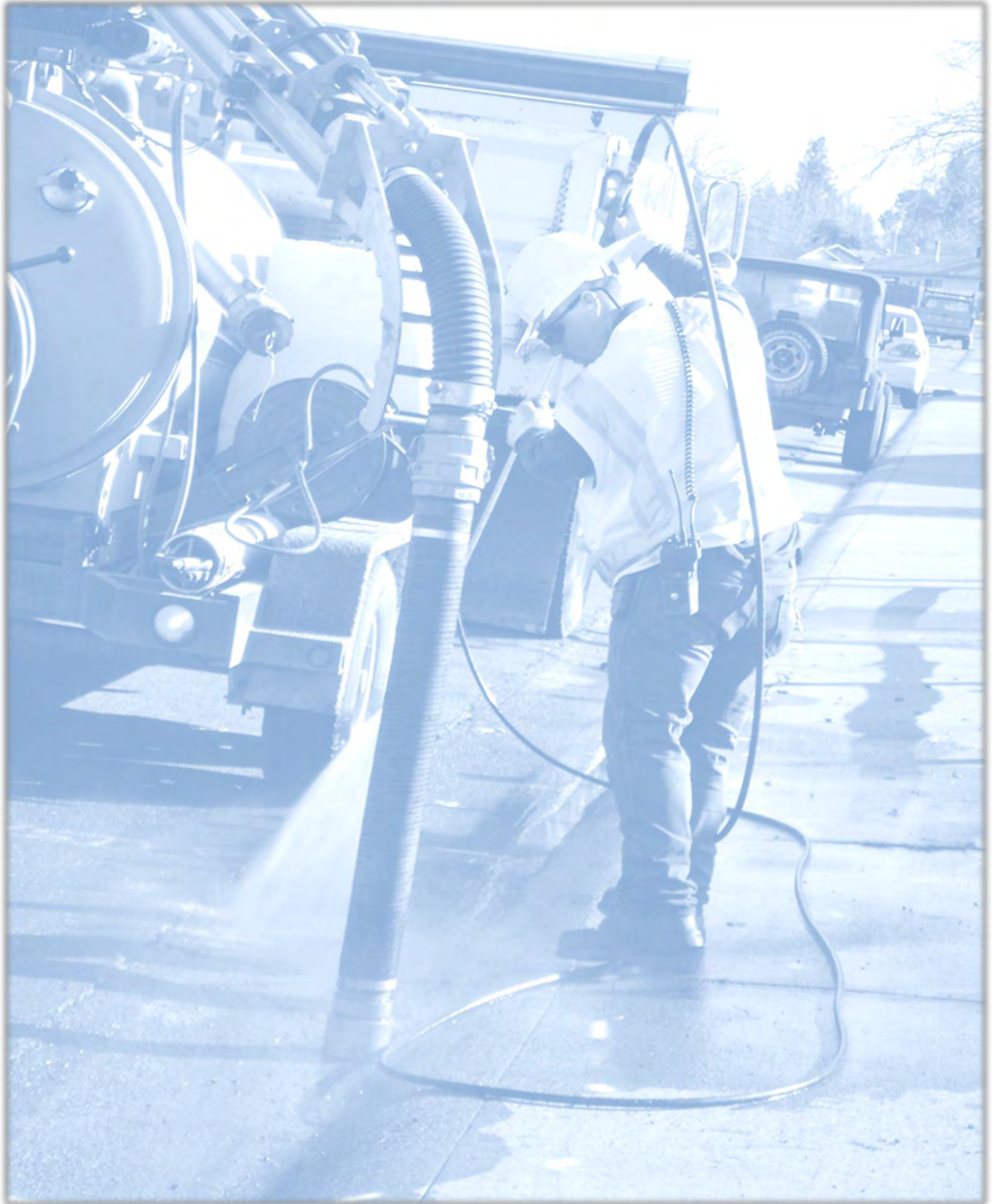
The FRCD and EGWD are steeped rich in history and these histories are summarized in this document. The FRCD has been serving this region for nearly 60 years. The EGWD has been a public agency for 12 years, but the water system which it operates has serviced Elk Grove for over 118 years. Much like the values carried by the founding family, the Elk Grove Water District still maintains pride in being Elk Grove's "hometown" water provider. Even though this Plan establishes our strategies for the next five year period, we expect to provide safe and reliable water supplies to the Elk Grove community for many future generations.

It should be noted that this Plan is not a dream that, once completed, will sit idle on a shelf until five years from now when another plan must be developed. It is intentionally referred to as a "Strategic" plan because there are defined challenges and measurable goals. Those goals, identified to meet the challenges, were strategically developed to conform to our missions and values.

My commitment to you as the District's General Manager, and speaking on behalf of the Board of Directors, is that we will hold ourselves accountable in meeting these goals while maintaining complete transparency as your local public agency. We also commit to continuous improvement with the intent of exceeding your expectations in providing you the vital services as described herein.

Mark J. Madison





What is a Strategic Plan?

Strategic plans provide an organization an opportunity to reflect upon its successes and to visualize its future. Planning brings stakeholders to a virtual (or actual) table, where fresh ideas, priority issues and potential obstacles can receive attention. The process requires abstract thought, but the results are practical goals and tangible objectives.

The objective of a strategic planning effort is to determine where an organization is going over the next several years and how it is going to get there. This document is actually two strategic plans, one for the Florin Resource Conservation District and the second for Elk Grove Water District. Its contents identify the Board’s priorities from which annual goals and objectives will be developed.

This project started with a critical examination of prior strategic plans, initiatives and work plans. This effort captured the achievements of the prior initiatives, and identified areas for focus over the next five years. During a series of workshops, the Board reviewed existing documents, analyzed the state of the District and generated fresh ideas, priority issues and potential obstacles for the next planning cycle. Their challenge was to define their legacy, and to answer two compelling questions: **What do you want this District to be in 20 years? What decisions can the District make now to make this possible?**

The following key concepts were considered during the strategic planning process:

Concept	Definition
Mission	A mission summarizes the purpose of an organization and clarifies the primary purpose, nature and scope of the service delivery.
Vision	A vision defines the way an organization sees itself in the long-term.
Values	Values describe how an organization conducts its operation. Value statements inform both the staff and customers of the guiding principles of the organization.
Goals	Goals are broad statements of intention, priority and/or desired achievement.
Objectives	Objectives are the specific measures that determine success in reaching goals.

About this Report

This Strategic Plan includes a historic overview, a Florin Resource Conservation District report and an Elk Grove Water District report. This plan summarizes the District's history of achievements and its vision for the future.

The FRCD faces numerous challenges as an urbanized RCD. The District must balance the needs of the both the agricultural landowners and suburban residents with its own financial limitations. The FRCD Board of Directors places priority on groundwater resource programs and local conservation education. FRCD has identified opportunities for participation in agricultural waiver programs, Greenprint, groundwater banking, farm and ranch cleanup projects, improving pollinator habitat, reducing invasive species and improving organic farming initiatives.

The FRCD has no paid employees, so most work must be grant funded. Current funding sources exist through the USDA's Natural Resources Conservation District, including grants for wildlife habitat projects and a pollinator habitat improvement program. The Board may consider hiring a grant writer to prepare proposals for these grants.

Impacts of EGWD's transition from a private company to public agency are still being felt years after the event. Business factors, such as financial stability and cost of service, are issues resultant of the conversion in 1999. Salaries and other employee costs are typically the largest expense on an annual business budget. In comparison, EGWD debt payments and cost of operations exceed employee costs; an indicator that the District's plan to conduct a new rate study is timely and necessary.

One-third of the EGWD workforce will be eligible to retire within the next five years. Therefore, employee development and succession planning must be top priorities in order to continue the exceptional level of service expected by the District and its customers. Strategies for workforce development include the completion of leadership training for all managers, cross-training for operational crews and the implementation of standard operating procedures for every division.

Continued on next page

About this Report (Cont.)

Aging infrastructure is another area of primary concern to EGWD. According to the report *Buried No Longer: Confronting America's Water Infrastructure Challenge*, recently released by the American Water Works Association (AWWA), over \$1 trillion will be necessary to improve drinking water infrastructure nationwide in the next 25 years. Projects to increase source capacity and system reliability and maintenance programs to maximize the life expectancy of assets are all scheduled for completion within the next five years.

The District is keenly sensitive to the economic conditions of its rate payers and is committed to finding grants and other funding sources as alternatives to customer rate increases whenever possible. Conservation best management practices have been established by the Department of Water Resources (DWR) that must be met in order for a water agency to be eligible for grant funding. EGWD has reported to DWR that some of these practices are not cost effective. Grant eligibility is contingent upon DWR's acceptance of this argument. Partnerships with other agencies and organizations, such as the Regional Water Authority, has proven successful in obtaining grant funding and EGWD will continue to exercise this option whenever viable.

Another State requirement (AB 2572) is the installation of water meters in all homes by 2025. EGWD is on track to complete this assignment well before deadline. Grant funding has accelerated this project and a crew of staff operators are assigned to the task until the project's completion. When the task is complete, cross-training will prepare the crew for ongoing maintenance, repair and replacement needs. Once achieving a fully metered distribution system, the District will be able to evaluate the system's unaccountable water losses.

The Service Areas



A history of the FRCD

Prior to World War II, Florin was well known for its grapes and strawberries. Almost all of the area now encompassed by the FRCD boundaries was in agricultural production, including dairies, orchards, grain and other feed. Reports indicate that 130 railcars loaded with Tokay grapes left the Florin station in 1941. Many farms were operated by families of Japanese descent. After the internment of 1942-1945, when many properties were neglected, the Florin community struggled to recover.

In the spring of 1950, the Florin Farm Center Committee for Organization of a Soil Conservation District, a committee of Florin farmers, submitted a proposal to the Sacramento County Board of Supervisors for the formation of the Florin Soil Conservation District and requested approval and submission of that proposal to the State Soil Conservation Commission. The specific intents of the new soil conservation district were efficient use of irrigation water, improved drainage, flood control and other land improvements. With the necessary approvals, the committee met with other agricultural interests and local landowners until they had thoroughly identified all properties wanting to be within the District boundaries.

On June 23, 1953, a public election determined the establishment of the Florin Soil Conservation District (FSCD) and its first five member board of directors. Those directors were: George E. Carlisle, Thomas H. Young, John E. Mensch, Chris Feickert and J.E. Jensen. Perhaps portending the future FRCD's focus, the very first work plan, written in 1953, identified the importance of wise irrigation use and the necessity of not depleting the area's underground water supply. In 1954, the board executed a Memorandum of Understanding with the United States Department of Agriculture, beginning a long and productive partnership.



During the first years of the organization, two additions were made to the boundaries, a region around Franklin and the Waegell addition, a property near Florin Road, Grant Line and Sunrise Blvd.

The Franklin addition expanded the District into Elk Grove. With grant

Continued on next page

A history of the FRCD (Cont.)

money, equipment was purchased for water management projects, such as irrigation and drainage improvements. The FSCD also had a wildlife program, coordinating the sale of plants grown by the residents of the Preston School of Industry, Sacramento County's Boy's Ranch and Folsom Prison and planting habitat for game birds and rabbits.

As Sacramento grew, the Florin area transitioned from a farm community into a Sacramento neighborhood. The FSCD transitioned too, moving its headquarters and its focus south to Elk Grove. Early FSCD documents describe Elk Grove as an area with orchards, dairy farms and a variety of crops, including alfalfa and other grains. In 1961, the FSCD, in partnership with two neighboring soil conservation districts, purchased 1.6 acres on Elk Grove-Florin Road for \$923.50. That property still provides the revenue that is the entire Florin Resource Conservation District (FRCD) annual budget. In the early 70's, because the District's activities included far more than just soil conservation, the Florin Soil Conservation District changed its name to the Florin Resource Conservation District (FRCD).

In 1998, the FRCD purchased the Susie Gaines-Mitchell Building on Florin Road with the expectation that rental revenues would fund conservation programs. The FRCD formed its first financially independent subsidiary, the Economic Development Corporation (EDC) to manage the operations and financing of this building, which is leased to the County of Sacramento. In December, 1999, the FRCD purchased the Elk Grove Water Works, now operating as the Elk Grove Water District.

California Resource Conservation Districts are authorized by Division 9 of the California Public Resources Code. Chapter 3, Article 9 of Division 9 details the general powers of a district. An expansion of those powers was the impetus in changing the names of the Soil Conservation Districts to Resource Conservation Districts in 1971.

A history of the EGWD

In 1893, after several fires threatened the small town of Elk Grove, local residents banded together to found the Elk Grove Water Company, building a water tower at the same place the current water tower stands (although it is no longer used to store water). The water company began business with twelve owners and 10 customers. The Jones family purchased the water company in 1906 and operated the utility as the Elk Grove Water Works for nearly 100 years. Business was originally conducted from the Jones' family home and moved to its present location at 9257 Elk Grove Blvd. in 1988.



The Railroad Water Treatment and Storage Facility

The Florin Resource Conservation District purchased the Elk Grove Water Works in December, 1999 from J.B. Jones, changing the name first to the Elk Grove Water Service and then to the Elk Grove Water District.

In 1997, the Elk Grove Water Works had nine employees and 7,200 connections. In 2012, there are 32 budgeted positions and 12,112 accounts. The District has seven wells in production as well as a fully functional treatment facility.

Acknowledgment of Board of Directors

The Florin Resource Conservation District/Elk Grove Water District wishes to acknowledge and thank the following men and women for many years of service as Board members.

John E. Mensch: 1953 – 1985
George E. Carlisle: 1953 – 1954
Chris Feichert: 1953 – 1958
J.E. Jensen: 1953 – 1958
Thomas H. Young: 1953 – 1958
Art Monson: 1955 – 1959
Bill Hansen: 1957 – 1998
Sam Tsukamoto: 1957 – 1984
John Sikich: 1957 – 1986
Ed Sievert: 1959 – 1965
Jack Waegell: 1964 – 2002
Pete Saunders: 1985 – 1994
Bill Hallisey: 1986 – 1998
Ray C. Borchard: 1986 – 1988
Walter Hoppe: 1989 – 2002

Carl Amundson, Jr.: 1994 – 2005
Galen Whitney: 1997 – 2001
Ed Kynaston: 1997 – 1999
Harry Riebe: 1999 – 2008
Robert Lilly: 2000 – 2000
Gail Woodson: 2000 – 2002
Gil Albiani: 2002 – 2004
David Beales: 2003 – 2006
Anthony Perez: 2003 –
Sandi Russell: 2004 – 2008
Barrie Lightfoot: 2006 –
Tom Nelson: 2006 –
Chuck Dawson: 2009 –
Elliot Mulberg: 2009 –



The FRCD/EGWD Board of Directors, from left: Chuck Dawson, Tom Nelson, Barrie Lightfoot, Elliot Mulberg, and Tony Perez

How We Conduct Business

Board members and employees of the FRCD and EGWD commit to the following values:

- **Leadership:** We are a team. The community is supported through mutual cooperation and respect. Great ideas come from many sources and we listen with an open mind.
- **Caring:** We care about the quality of our water, we care about our customers' satisfaction and we care about the quality of the working environment.
- **Integrity:** We are honest with one another, with our customers and with our industry partners. We maintain a quality operation that is fiscally sound and forthright. We want the trust and respect of our community and ratepayers.
- **Professionalism:** We are committed to standards of excellence, accuracy and superior conduct.
- **Vision:** We recognize that decisions we make today impact the future of this District and our community. We value our community's natural resources and actively seek ways to improve our services through local control and stewardship.

Diversity

According to the AWWA's Diversity and Inclusion Committee, "Diversity is a commitment to recognizing and appreciating the variety of characteristics that make individual unique in an atmosphere that promotes and celebrates individual and collective achievement." Adapting to a diverse workforce means far more than hiring employees from a variety of ethnic backgrounds. Categories of the diverse American population include, but are not limited to, generational, economic, race/ethnicity and household. The District is committed to maintaining a welcoming, safe and inclusive environment for all individuals.

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Function of the FRCD

The FRCD was established to maximize soil, water and related natural resource conservation opportunities through coordination of technical, financial and educational resources.

Mission Statement

The FRCD assists, manages, and/or produces beneficial resource conservation programs within the FRCD service area by building alliances, generating community interest and input, and organizing activities and projects.

Trends

The FRCD has identified the following items as of increasing importance to conservation efforts:

- Consumers continue to demand access to reliable water supply
 - Various agencies have overlapping responsibilities and programs affecting resource conservation so that it is difficult for the public to know where to turn for help
 - Water efficient landscaping
-

Priority geographical areas

The FRCD places priority on serving the Whitehouse, Strawberry, Elk Grove, Laguna and Morrison Creek watersheds.

Challenges

Challenges facing the FRCD include:

- Identifying landowner needs. Assessment is necessary to identify what services the District can provide without duplication of efforts
- Resource limitations. The FRCD has no employees and FRCD work cannot be completed by employees on EGWD payroll. EGWD finances cannot be used for the benefit of the greater FRCD. Projects need to be cost neutral.



Achieved since 2006

The FRCD appreciates its partners in conservation and recognizes the important achievements of the last five years, including:

- Strengthened relationship with local NRCS regional conservationist and California Association Resource Conservation District (CARCD) staff
- Executed a successful, grant-funded weed abatement project
- Partnered with the Sacramento Tree Foundation and the City of Elk Grove on the Urban Forest Canopy Assessment (Greenprint) program
- Partnered with the Sacramento Tree Foundation and Elk Grove Unified School District (EGUSD) on the Seed to Seedling program
- Developed a strong relationship with EGUSD
 - Served on EGUSD’s service learning advisory committee
 - Served on EGUSD’s annual science fair
 - Sponsored teams and students for annual Envirothon, Forestry Challenge and Range Camp
 - Presented water conservation activities and Seed-to-Seedling programs multiple times in EGUSD’s classrooms
- Strengthened partnerships with the Central Valley Rails to Trails Foundation and Stone Lakes National Wildlife Refuge
- Participated and/or sponsored multiple public outreach events, including Creek Week, Walk On the Wildside, TrailFest, Community Garden Tomato Tastings

Priority Issues

Most of the FRCD service area is fully developed, so environmental education and other urban programs are those most in keeping with the FRCD’s mission. Because the FRCD is the parent of the Elk Grove Water District, projects relating to the protection of water resources are always of interest to the District. The FRCD has placed priority on the following issues:

- Preservation of ground water resources (quantity and quality)
 - Provisions for excellent, safe and affordable drinking water
 - Partnership with local school districts to integrate conservation activities with school curriculum, such as service learning projects and conservation educational events such as Envirothon and Range Camp
 - Pursuing grant funding for projects
-

POTENTIAL FRCD ACTIVITIES

Cooperative Programs

The FRCD has partnered on a number of projects with local and statewide organizations, including the Natural Resources Conservation Service, California Association of Resource Conservation Districts, the Sloughhouse Resource Conservation District, Lower Cosumnes Resource Conservation District, the City of Elk Grove and the Cosumnes Community Services District. By continuing healthy and productive relationships with these and other groups, the FRCD anticipates completion of many other conservation projects in the future.

Goal:	Timeline:
Board members and General Manager may attend CARCD conferences and events when those agendas are supportive of this Strategic Plan	2012-2017
FRCD will meet with the Lower Cosumnes RCD and Sloughhouse RCD at least annually to discuss issues of common interest	December, annually
Seek grant opportunities and other funding sources	2012-2017

Ag Waivers

Landowners who operate agricultural programs, such as dairies or crop farming, usually irrigate their property and some of that water usually will runoff the land and into area waterways. The State of California regulates all waste discharges in order to protect water quality and require annual reporting from any entity that discharges waste products. Agricultural operators, whose irrigation discharges flow into waterways, may qualify for a waiver in order to avoid the annual state reporting on that discharge, provided those operators practice measures to prevent impairment and participate in a monitoring program.

Continued on next page

POTENTIAL FRCD ACTIVITIES (Continued)

Ag Waivers (Cont.)

The FRCD may choose to participate in an Ag Waiver program by assisting in local Ag Waiver coordination. The Sacramento Valley Water Quality Coalition currently monitors Laguna Creek, which is within FRCD boundaries. The FRCD may assist in public outreach activities to improve Laguna Creek’s water quality. Assisting landowners with the waiver filing process could be performed as a fee-for-service activity.

Goal:	Timeline:
Contact the region’s subwatershed coordinator to investigate opportunities for FRCD participation	December 2012
Review the Sacramento Valley Water Quality Coalition’s Regional Plan to identify potential activities	December 2013

Greenprint

In 2009, District staff volunteered to assist in the Greenprint program, a cooperative effort between the city of Elk Grove and the Sacramento Tree Foundation. Volunteers collected sample data about Elk Grove’s trees, all of which was entered into a mapping and modeling system. This data was used to produce resource structure, resource function, resource value and management necessities of the trees. The FRCD could perform valuable follow up activities to help keep this information current.

Goal:	Timeline:
Contact the City of Elk Grove to establish partnership for future work on the program.	December 2012
Maintain relationship with Sacramento Tree Foundation in order to participate and support new initiatives	Ongoing

POTENTIAL FRCD ACTIVITIES (Continued)

Farm and Ranch Cleanup

The FRCD has twice participated in waste tire removal grant programs and could continue to offer similar services, expanding into projects aimed at the rehabilitation of farms with dumpsites that could potentially introduce contaminants into waterways. Amnesty projects are also a viable option.

Goal:	Timeline:
Review CalRecycle tire amnesty program for project opportunity	December 2012
Investigate DWR's Urban Stream Restoration Program grant application as a potential funding source	January 2013

Pollinator Habitat

The FRCD's conservation partner, USDA's Natural Resources Conservation Service (NRCS), is exploring pollinator habitat projects and is eager to



advance the work into suburban areas, such as the FRCD service area. Pollinator habitat projects promote the planting of plants that support pollination. Project funding for agricultural land is available through NRCS and additional funding

may be available for outreach and signups of residential properties.

Goal:	Timeline:
Coordinate Project RIDE with Fish and Wildlife Service funding	Summer 2012
Review NRCS' WHIP program for pollinator habitat opportunities	Fall 2012

POTENTIAL FRCD ACTIVITIES (Cont.)

Organic Farming Initiatives

The FRCD could perform outreach activities to local farmers with information on converting to organic farming. The local NRCS has developed a relationship with the area’s strawberry farmers, creating a potential for follow up projects.

Goal:	Timeline:
Review EPA’s PestWise program grants for opportunities to facilitate organic methods within the District	December 2014
Continue sponsorships for the Society for Range Management’s Range Camp for high school students	Ongoing

Groundwater Banking

An innovative way of storing water for future use is groundwater banking, in which underground aquifers are recharged by percolating or pumping water into the earth. DWR grants, such as the Local Groundwater Assistance Grant Program, offers funding to explore groundwater banking opportunities.

Goal:	Timeline:
Maintain participation in the Sacramento Central Groundwater Authority	Ongoing
Initiate relationship between regional water purveyors to seek cooperation on potential groundwater banking projects	June 2014

Invasive Species

The FRCD has long been a participant in Sacramento area efforts against invasive species. Several years ago, the FRCD partnered with the Stone Lakes National Wildlife Refuge in obtaining grant funding to eradicate water hyacinth and more recently, received a Sacramento Weed Management Area grant to remove Arundo from the banks of Elk Grove Creek.

Goal:	Timeline:
Maintain cooperative relationship with Sacramento’s Weed Management Area	Ongoing
Cooperate with City of Elk Grove and Cosumnes Community Service District on local creek improvements	Ongoing

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ORGANIZATION

Mission of the EGWD

Committed to supplying our customers with high quality, safe water along with outstanding customer service for current and future generations.

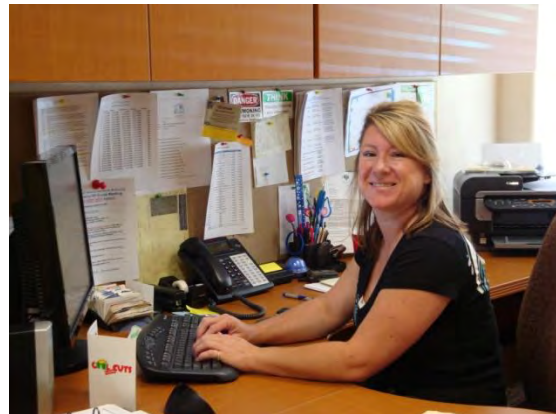
The Divisions

Work at EGWD is divided between three divisions, Administrative, Operations and Technical Services. Thirty two staff positions have been authorized by the Board. Contracted work is used as necessary, generally for computer support, legal counsel and engineering needs.

Administration

The Administration of EGWD has two departments, that of the General Manager and Finance. The General Manager department has three positions, the General Manager, the Human Resources Specialist and the Management Analyst. The positions in the Finance department include those for Billing, Customer Service and Meter Reading. All of these functions are headquartered at the Administration office at 9257 Elk Grove Blvd.

The General Manager is responsible for planning, organizing, directing and coordinating all activities and functions of the District and carrying out related board policies. The Human Resources Specialist and the Management Analyst report to the General Manager. The Human Resources Specialist handles all of the employee related actions, including supervising all hiring processes, employee benefits, retirement services and legal requirements. The Management Analyst is responsible for special projects and program management, including preparation of reports, research, editing the employee manual and legislative analysis. The Management Analyst is also responsible for the District's conservation programs.



Continued on next page

ORGANIZATION (Continued)

Administration (Cont.)

The Finance department is headed by a Finance Manager who reports to the General Manager. The Finance Manager controls the annual budget for the water district, the Florin Resource Conservation District and the Economic Development Corporation and manages the repayment of bonds and other loans against the District. The Finance Supervisor pays the monthly invoices, operates the employee payroll and supervises the Customer Service staff and the Meter Reader. The Customer Service department answers the telephone and greets visitors to the office, responds to customer requests, processes payments and issues the monthly billing statements. The Meter Reader collects usage information from each meter every month, downloads it into billing software, and performs maintenance on meters. The Meter Reader will also perform customer service requests, such as double-checking usage readings.

Operations

The Operations division employs personnel in three departments, Distribution, Treatment, and Utility. The division is headed by the Operations Manager, who reports to the General Manager. Operations are housed at the Railroad Street Water Treatment and Storage Facility.

The Distribution team is responsible for the delivery of water to EGWD customers. They maintain the pipelines, turn service connections on or off, repair leaks and respond to service requests. Some employees have specialized skills in backflow prevention or in equipment manufacturing.

The Treatment plant operators are tasked with the responsibility of supplying safe and potable drinking water to the public. In order to ensure the system operates effectively and efficiently they must regularly inspect the well and treatment plant equipment. This includes operating, monitoring, and adjusting pumps, valves, and chemical feed systems. They also review procedures to ensure adherence to maintenance, operation, and safety requirements. The staff is responsible for the requisition of materials, supplies, and equipment needed for plant repairs and improvements.

The staff also observes record keeping functions such as logging plant operations, test results, maintenance work performed, and unusual operating conditions encountered. They also review and evaluate a variety of operational data from SCADA, computer reports, daily logs, and meters/gauges. The Treatment department develops and implements routine water quality sampling to comply with established Federal and State regulations.

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ORGANIZATION (Continued)

Operations (Cont.)

All Operations employees are expected to support other team members and step in to fill areas of need whenever necessary. At least one operator is on call around the clock in order to respond to emergencies within a matter of minutes.

In addition, the Operations division holds the responsibility for the safety of all employees and the security of the entire system. An appointed safety officer provides regularly scheduled trainings to all staff. Operators ensure the security of the District facilities through the use of monitoring systems and related computer technology.

Technical Services

The Technical Services division provides planning, engineering, construction management and technical support for District operations. Technical Services employs an Associate Civil Engineer and a Geographic Information System (GIS) Technician. The division is headed by the Associate Civil Engineer who reports to the General Manager. The Technical Services division is housed at the Railroad Street Water Treatment and Storage Facility.

The Technical Services division works collaboratively with Operations and provides technical assistance to support the activities of Operations. The Technical Services division develops and maintains the District's GIS to track operational activities, maintenance and data associated with the District's water system.

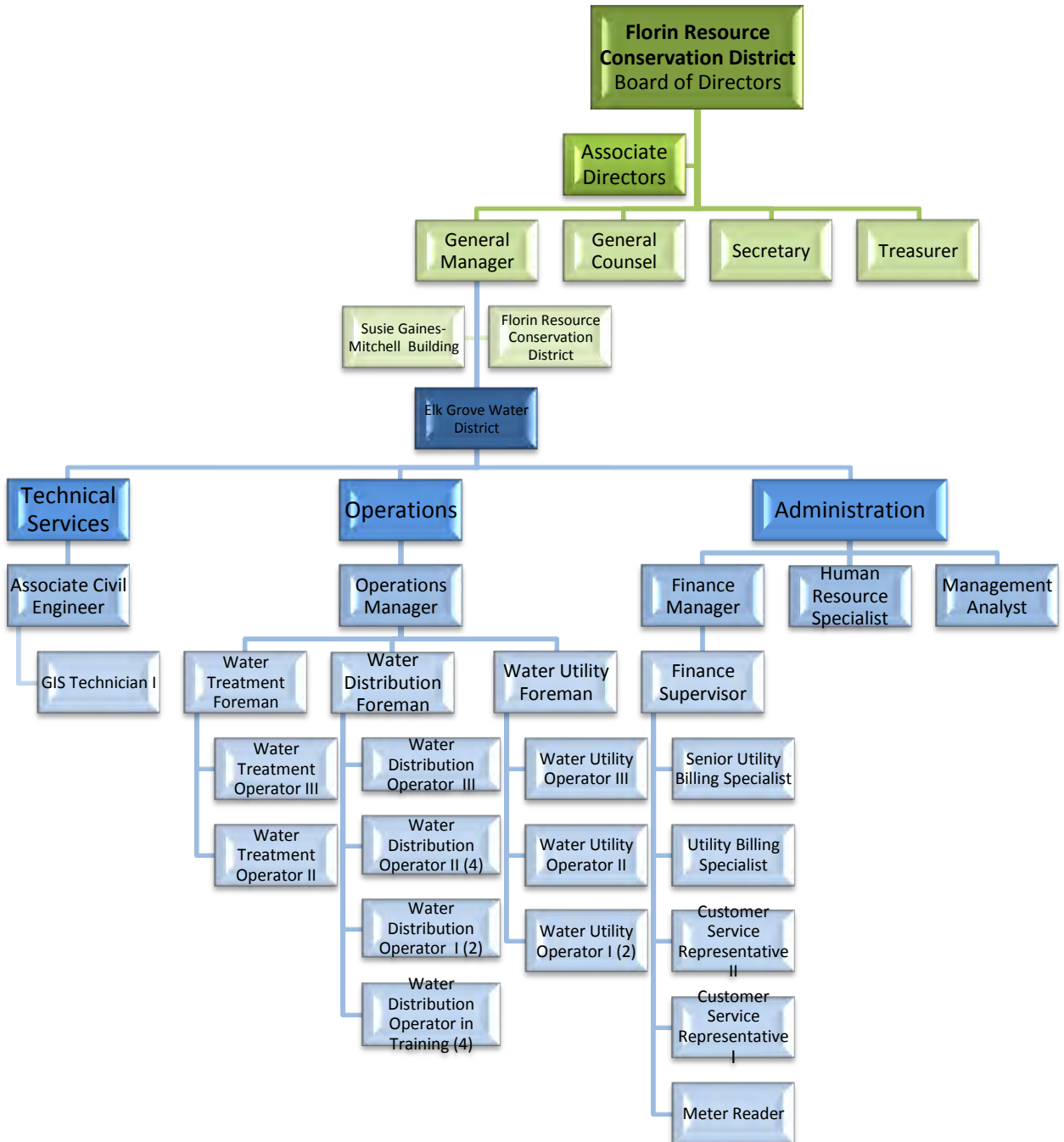
The Technical Services division is responsible for developing the capital improvement and replacement program. The capital improvement program serves as a blueprint for the development and rehabilitation of the District's water system infrastructure.



The Technical Services division promotes sustainable use of natural resources through special projects. Technical Services develops and implements projects to enhance the efficient use of water and energy.

ORGANIZATION (Continued)

Organization Chart



INDUSTRY ANALYSIS AND CURRENT STATUS

State of the Industry/State of the District

AWWA’s 2011 State of the Industry (SOTI) report details the impacts of nation’s economic issues on the water industry. Although some businesses can cut costs by shutting down non-critical units, in water service, all components are necessary to the health and safety of the public. It is impossible to cut costs by pumping less water than the public requires or by cutting back on the quality standards. People require safe, sufficient water at all times, so water districts must maintain a quality operation at all times.

The AWWA 2011 SOTI identified business factors (such as finances and cost of service) as the number one concern for US and Canadian survey respondents, a response mirrored by a similar survey of EGWD employees. EGWD carries nearly \$56 million dollars in debt, the bulk of which are bonds taken for the purchase of the District and for capital improvement projects, such as building the Railroad Water Treatment and Storage Facility. About \$3.5 million dollars of revenue is paid annually to principal and interest on these debts, the single highest budget expense to the District. The District must balance payment of old debts against new project costs.

In addition to financial concerns, as in years past, infrastructure concerns remain vitally important to the industry as a whole and to EGWD. Both the physical and financial aspects of the EGWD infrastructure are top priorities for the District.

As pipelines age, the rate of breakage and system water loss increases. According to the U. S. Geological Survey, 1.7 trillion gallons of water is lost per year in distribution systems, at a cost of \$2.6 billion a year. AWWA estimates costs for necessary drinking water infrastructure in the United States to top \$13 billion annually and \$1 trillion in



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INDUSTRY ANALYSIS AND CURRENT STATUS (Continued)

State of the Industry/State of the District (Cont.)

the next 25 years. EGWD repairs about 36 main line leaks a year and 84 service leaks, requiring 2,340 labor hours. Some pipes in Elk Grove are over 80 years old, well beyond their life expectancy.

In 2009, the California Senate passed SBx7-7, the Water Conservation Bill in response to water supply issues and the probability of severe shortages. All water suppliers are required to improve water efficiency by the year 2020, measurable by a 20 percent drop in gallons per capita daily (GPCD) use.

The 2010 Urban Water Management Plan (UWMP) provides information on the fourteen Demand Management Measures (DMMs) developed by the California Urban Water Conservation Council (CUWCC) and EGWD's plan to meet the law's requirements through the implementation or non-implementation of these DMMs. Compliance with the law may mean implementing conservation programs not currently offered by EGWD and a successful achievement of a 20% reduction means a 20% reduction in the revenues source. With nearly 30% of earned revenue dedicated to bond payments and an additional 20% to be conserved by 2020, financial prudence must be in constant practice.

A 2008 Bureau of Labor Statistics report estimated that 52.8% of all utility workers are over the age of 45, emphasizing a growing need for succession planning. As the baby boomer workforce ages, strategies must be in place to capture the knowledge of departing employees and to develop the next generation of staff. At EGWD, eleven employees will be eligible for retirement within the next 5 years, which is more than 1/3 of the workforce.

One of the primary goals discussed in the draft of the Association of California Water Agencies (ACWA) 2012-2013 strategic plan is to "improve public awareness of factors driving water rates." A public opinion poll conducted by the Municipal Water District of Orange County in 2011 indicated that 60% of all customers thought that water was a reasonably priced commodity and that 28% felt water was too expensive. A similar poll in San Diego showed that 57% of their customers would be unwilling to pay more for their water. As EGWD prepares a new rate study, it will be very important to educate customers on the value of their water, as the District can expect as wide a variance in acceptance as that shown in these polls.

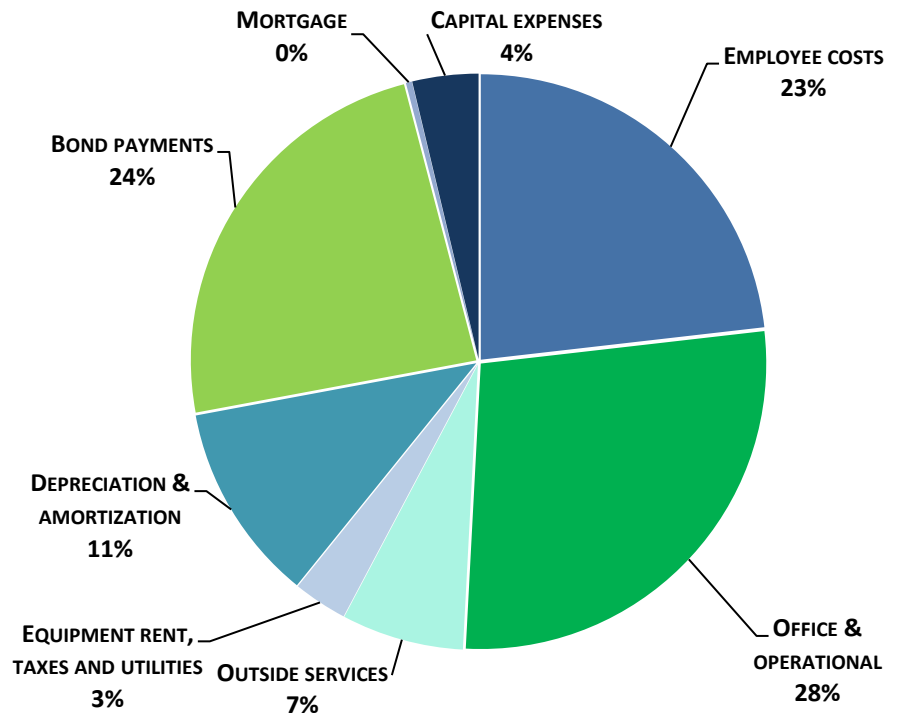
CHALLENGES FOR THE DISTRICT

Financial Stability

Financial Stability means having reliable financial resources to meet the ongoing needs of an organization with the ability to withstand emergencies that may periodically arise. It is paramount for the survival of any organization to achieve financial stability. The EGWD has set a goal to achieve financial stability in order to operate in an efficient manner as to provide our ratepayers with a safe and reliable source of water for their current and future needs.

The EGWD has many challenges as they pertain to the fiscal stability of the organization. The District is tasked with insuring that income will be sufficient to cover the necessary expenses for operations, debt service and capital projects. The District is also sensitive to the financial challenges that the ratepayers have faced since the tremendous slowdown of the national, state, regional and local economies.

In July of 2009, the Board adopted a reserve policy to provide future funds for capital replacement project, facility modifications and special projects. In addition, the Board and staff reached an agreement that resulted in the implementation of the Employee Cost Control Program Policies which will reduce personnel costs.



2012 budgeted expenses

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CHALLENGES FOR THE DISTRICT (Continued)

Financial Stability (Cont.) The District’s outstanding bonded indebtedness includes covenants for net revenue ratios. The district has two such requirements. The first covenant requires \$1.25 of net revenue, which includes rate stabilization funds, for each \$1.00 of debt service. The second covenant requires \$1.15 of net revenues for each \$1.00 of debt service.

Workforce Development Critical to District success is a highly skilled workforce. EGWD employees hold college degrees in engineering, business, accounting and communications and over 90 professional certifications, including several levels of treatment, operations, human resources, project management and conservation.

Continuing employee development is very important to the District. Program offerings include educational reimbursement and in-house leadership training seminars.

Equally important as training the District employees is retaining the collective knowledge. As employees retire, the District must be able to transfer their knowhow to new staff. With a significant portion of the EGWD organization eligible for retirement within 5 years, knowledge management is a critical challenge. Retirement of the most experienced staff members could significantly impact the District if tacit knowledge is lost.

Customer Service Customer service is the epicenter of the District’s responsibilities. EGWD is responsible for safe guarding the public’s health and the District is committed to providing quality water exceeding safe drinking water standards. Customer service is more than a friendly voice answering a telephone; it is fast and reliable response to midnight emergencies, thorough assistance for customer needs and mindful, dedicated attention to every detail intrinsic to the delivery of safe, potable water.

EGWD intends to provide customer service that is proactive in approach instead of merely reactive. Customer involvement in the various decision making processes is desired and opportunities must be established to include community members in those decisions.

CHALLENGES FOR THE DISTRICT (Continued)

Business Practices

EGWD acknowledges the enormous responsibility of the health and well being of the community we serve. EGWD has an ethical obligation to the community we serve to provide potable, safe drinking water and to manage the public’s money wisely. The District’s goal is to be irreproachable in our business practices.

In keeping with our commitment to appropriate business practices, the District appoints its work assignments according to the best possible value for the customer. Occasionally, a specific skill set is necessary, as in the case of legal advice, which requires the District to contract work to an outside resource. The District is committed to obtaining the highest value for the customers’ money and seeks a balance between personnel expertise and contracted insight.



Grants and Other Funding

Grants are an attractive option for financing projects, but can be time consuming and difficult to obtain. In addition, regulations added to State law in 2009 will require urban water agencies such as EGWD, beginning in 2016, to comply with certain water conservation requirements, detailed in an approved Urban Water Management Plan, in order to be eligible for State grants and loans.

EGWD is committed to pursuing available funding sources both independently and in partnership with appropriate organizations.

Meter Installations

In September 2004, Governor Arnold Schwarzenegger signed into law Assembly Bill 2572, directing the State of California to fully meter all water services by 2025. A previous law, passed in 1992, mandated that all new construction include a water meter; the new law created the necessity of retrofitting all properties constructed before 1992 and to bill all customers according to their metered consumption.

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CHALLENGES FOR THE DISTRICT (Continued)

Meter Installations (Cont.) EGWD has been installing meters throughout its service area for several years and is on track to complete the retrofit before the deadline. Grant funding has accelerated the project and the District continues to pursue additional funding to ease the cost of the transition. The District intends to complete the meter retrofit by 2015, well ahead of the State's deadline.

Asset Management

EGWD owns and operates millions of dollars in property and appropriate management of this equipment, land and tools is vital to the success of the organization. Good management of the District assets means no wasted funds on avoidable corrections.

Each piece of equipment has a life expectancy and maintenance is routinely performed to ensure that all equipment meets that expectation. Documenting maintenance and related details should be a part of procedures, a project that is already underway.

Long term planning forecasts future asset needs and schedules the means of acquiring, financing the building or maintenance of those assets. Capital improvement and replacement projects must be completed so that water supply and distribution capacity meet future demand and water quality standards are maintained.

A great challenge for the District is identifying growth strategies that can be implemented without amplifying the financial burdens already incurred by past projects. As infrastructure ages and regulations change, it is without question that the District will be required to develop additional structure to meet those needs.

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CHALLENGES FOR THE DISTRICT (Continued)

Asset Management (Cont.)

EGWD operates in conformance with California Department of Public Health (CDPH) requirements. The District must comply with requirements regulating both the quality and the quantity of water. Because they fell short of water quality expectations, some wells have not been used recently and overall production of water has been diminished.

Studies indicate that the District must increase its capacity in order to become compliant with state regulations for system demands. Short term solutions, including the purchase of additional water from SCWA have been implemented, but long term solutions are necessary to address system demands and regulatory requirements. Eight source capacity projects have been identified, a few of which were in progress during the writing of this Plan.



MEETING THE CHALLENGES

Financial Stability

The District staff is preparing a multi-year Capital Improvement Program (CIP) which will address the capital needs of the District to insure the safe and efficient operations of the District. The plan will identify, quantify and prioritize various needed capital improvements. The CIP will be in conformance with this Strategic Plan.

The District is in the process of hiring a firm to conduct a water rate services study to quantify the future financial needs of the District. The result will serve as the District’s Financial Plan to guide the District for the next five years. The plan will include the operating, debt service and capital needs and determine what the rates need to be to cover the expenses. In addition, the plan will take in to account the need for adequate reserve levels as well.

Goal:	Timeline:
Adopt a 5 year CIP with “pay-as-you-go” funding	July 2012
Complete a comprehensive rate study, reviewing existing rates and fees and develop a strategy for financial sustainability	December 2012
Analyze debt restructuring options and implement the option best suited for the District’s situation	December 2012
Meet the bond covenant requirements every year	Ongoing
Adopt budget for FRCD, EGWD	Annually

Workforce Development

Scheduled training for the leadership team will focus on:

- Excellent customer service
- Communicating and connecting
- Difficult conversations
- Building trust
- The practice of management
- Creating accountable goals and coaching for success
- Performance appraisals
- Building a high performance culture
- Effective meetings
- Professional integrity, ethics and accountability

Healthy employee relations also mean employees support and acknowledge successes. Recognition should be peer driven.

Continued on next page

MEETING THE CHALLENGES (Continued)

Workforce Development (Cont.)

Work order documentation is another area of development. As the Operations Division implements the Cityworks system, improvements are expected in documenting the allocation of labor hours, asset management, and GIS mapping infrastructure priorities.

Goal:	Timeline:
Leadership team will complete an eight session management training series	Jan. – Aug. 2012
Meter crew will be cross trained in maintenance and capital improvement project skills	January 2012 - ongoing
Succession planning and implementation	July 2012 – ongoing
Standard operating procedures and succession planning for every division	June 2015

Customer Service

EGWD is committed to ensuring outstanding relationships with the people we serve. Improvements with communications between the customer service division and operations are underway in order to speed response to customer calls. Customer feedback on service performance will be gathered through evaluation surveys. The District will continue to seek ways to make bill paying as convenient for customers as possible.

Customer education on the value of water will be achieved through community meetings and public advisory sessions. EGWD will continue to be an active, visible contributor to the strength of Elk Grove, interacting with and supporting customers through a variety of community events.

A member of the EGWD staff serves on the AWWA national Customer Service Committee, co-chairing a subcommittee that has developed an innovative Customer Service training series and becoming one of the first certified trainers of that course nationally.

Goal:	Timeline:
Complete customer service training for all staff members	June 2013
Create follow-up surveys to analyze service performance	June 2013
Review opportunities for enhanced payment options	June 2014
Evaluate potential Automatic Meter Reading and Advanced Metering Infrastructure opportunities	June 2016
Activate customer service advisory committee	As needed
Answer customers calls by the second ring	Always

MEETING THE CHALLENGES (Continued)

Business Practices

In keeping with the District’s core value of integrity, all members of the leadership team and Board will complete ethics training. As a public agency, the District is committed to including the public as a key partner in decision making through involvement in the Community Advisory Committee, associate board membership and public hearings. Board meetings are open to the public and are noticed on the District Web site, in the local newspaper, at the meeting’s location and at the District office.

Goal:	Timeline:
Staff training, including: regulatory, first aid, OSHA, industry innovations and safety	Ongoing
Review opportunities to support local business	Ongoing
Brown Act training/ethics	Every 2 years

Grants and Other Funding

EGWD is committed to seeking funding sources other than rate income for projects, especially grants. Partnership with the Regional Water Authority on grant applications has resulted in several grant fundings. Two primary sources are the U.S. Department of Interior’s Bureau of Reclamation for federal funds and the State of California’s Department of Water Resources. There are difficulties with each source. The Bureau of Reclamation’s primary concern is surface water. EGWD’s water source is groundwater, making the District ineligible for many Bureau grants.

To be eligible for a DWR grant, urban water district’s, such as EGWD, must meet two criteria: a complete Urban Water Management Plan and be compliant with AB 1420. At the time this report was written, EGWD had submitted a 2010 UWMP, but had not received word of acceptance from DWR. Compliance with AB 1420 requires the implementation of best management practices or their equivalent for the purpose of water conservation. EGWD does comply with some of these practices and has argued in the UWMP that some are not cost effective. If DWR accepts the UWMP and EGWD’s conservation efforts, then the District can go forward with grant applications.

Goal:	Timeline:
Accepted, complete 2010 UWMP	Submitted June, 2011
Partner with RWA and other regional organizations	Ongoing
Meet cost effective BMP requirements for grant eligibility	Ongoing
Review and pursue \$500,000 or more in grants	Annually
Accepted, complete 2015 UWMP	2015

MEETING THE CHALLENGES (Continued)

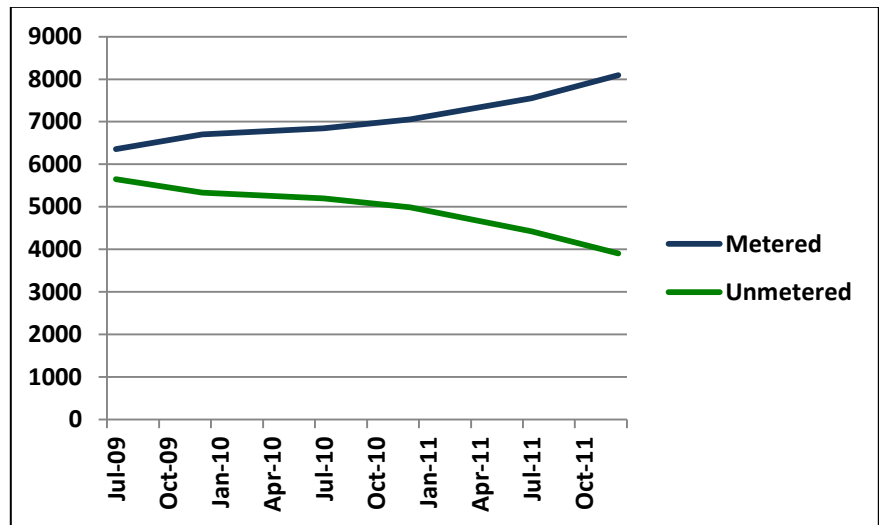
Regulatory Compliance

Compliance with all laws regarding drinking water is not discretionary. EGWD **must** and EGWD **will** comply with all regulations, all of the time. This District will not compromise the health and safety of the public. Items of particular focus in the next five years will include new regulations on disinfection residuals and byproducts, arsenic standards and the 20% by 2020 urban water efficiency programs.

Goal:	Timeline:
Meet all regulatory requirements. Always.	Ongoing
Publish Consumer Confidence Report by July 1	Annually
Comply with permitting requirements	Ongoing

Meter Installations

EGWD intends to meet the challenges imposed by AB 2572 through in-house work assignments, supplemented through grant-funded contractor work. Annual targets are determined, but weather fluctuations and emergencies sometimes pull crews to other assignments, so monthly completion counts may vary. When installation is complete, it is expected that the crew will be assigned to other projects, including the ongoing maintenance and repair of old meters and no layoffs are anticipated.



Meter retrofit progress

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MEETING THE CHALLENGES (Continued)

Meter Installations (Cont.) When all EGWD services are metered, the District will be in a position to fully evaluate the system’s unaccounted for water, or water which is lost to system leaks or other events, such as firefighting or unauthorized use. Tracking and minimizing water loss will help the District reach conservation goals as well as save on production costs.

Goal:	Timeline:
Complete meter retrofit	2015
Evaluate water management to minimize unaccounted for water	2017

Asset Management

EGWD has been collecting information on its equipment and documenting maintenance procedures for several years. This information will be used to train the next generation of employees to care for company equipment with the skill of the present team. EGWD places a priority on performing preventative maintenance on its equipment. Preventative maintenance helps EGWD reach maximum life expectancy



on equipment and avoid premature replacement costs. EGWD uses a geographic information system (GIS) to map its infrastructure. The mapping includes information on pipes, valves, hydrants, wells, pumps, filters and tanks. EGWD also uses CityWorks, a computerized work order system, to schedule and manage maintenance and repairs on infrastructure. Information obtained during infrastructure maintenance and repairs is used to update the GIS map.

In order to ensure an adequate water supply, projects to increase source capacity and reliability are underway. Two additional filters are being installed at the water treatment plant bringing the total number of filters to eight. The Hampton Road Water Treatment Plant is being evaluated for refurbishment and a return to service. A number of projects that would increase source capacity and reliability are included in the capital improvement program.

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MEETING THE CHALLENGES (Continued)

Asset Management (Cont.) The capital improvement program (CIP) is a projection of the District’s capital funding needs for projects planned over the next five fiscal years. The objectives and timelines associated with the CIP will be consistent with the goals and objectives of the Strategic Plan. The CIP will be reviewed and updated annually.

Goal:	Timeline:
Adopt FY 2013-17 Capital Improvement Program	June 2012
Work with the Finance Department to review and update EGWD’s assets list, and the assets’ valuations.	February 2013
Evaluate available Enterprise Asset Management (EAM) systems to determine the feasibility of using EAM for EGWD.	April 2013
Evaluate EGWD’s usage of CityWorks to determine if it is being used to its maximum potential.	June 2013
Field verify all mapping information and update GIS program.	December 2013

oOo



AB 1420: California Assembly Bill 1420
AM/CMMS: Asset management/computerized maintenance management system
AMI: Advanced metering infrastructure (Smart meter)
AMR: Automatic meter reading
AWWA: American Water Works Association
BMP: Best management practices
CARCD: California Association of Resource Conservation Districts
CDPH: California Department of Public Health
CIP: Capital Improvement Program
CUWCC: California Urban Water Conservation Council
DMM: Demand Management Measures
DWR: Department of Water Resources
EAM: Enterprise Asset Management
EGUSD: Elk Grove Unified School District
EGWD: Elk Grove Water District
EGWS: Elk Grove Water Service
EGWW: Elk Grove Water Works
FRCD: Florin Resource Conservation District
FSCD: Florin Soil Conservation District
GIS: Geographic Information System
NPDES: National Pollutant Discharge Elimination System
NRCS: Natural Resources Conservation Service
RCD: Resource Conservation District
RWA: Regional Water Authority
SCADA: Supervisory Control and Data Acquisition
SCWA: Sacramento County Water Agency
SMUD: Sacramento Municipal Utilities District
TMDL: Total Maximum Daily Load
USDA: United States Department of Agriculture
UWMP: Urban Water Management Plan
WOW: Walk on the Wildside



The Elk Grove Water District Team

September 28, 2016

TO: Chairman and Directors of the Florin Resource Conservation District

FROM: Jim Malberg, Finance Manager / Treasurer

SUBJECT: **VOLUNTARY DONATIONS BY ELK GROVE WATER DISTRICT CUSTOMERS TO NON-PROFIT ORGANIZATIONS**

RECOMMENDATION

It is recommended that the Directors of the Florin Resource Conservation District discuss this proposed action and provide direction to staff.

Summary

This item is presented to discuss a potential program in which Elk Grove Water District customers could elect to make voluntary donations to a non-profit organization while paying their water bill. Staff is not requesting the Board to adopt a program at this time. Rather, staff is requesting the Board to consider the possibility and, if desired, direct staff to research the issues in more detail.

DISCUSSION

Background

Chairman Dawson requested that staff place an item on the agenda for Board discussion regarding the possibility of the Elk Grove Water District (EGWD) of setting up a program that would allow customers to make voluntary donations to non-profit organizations when paying their water bill. Such a program could be similar to the Sacramento Municipal Utility District (SMUD) EnergyHELP program.

Present Situation

Currently, SMUD allows their customers to make voluntary donations when paying their energy utility bill that are distributed to one of four non-profit organizations at the direction of the customer. The EnergyHELP program provides qualified low-income customers with immediate financial assistance to keep the electricity on in their homes. The donations are distributed to SMUD customers in need through four charities: The Salvation Army, Sacramento Food Bank & Family Services, Travelers Aid and Folsom

**VOLUNTARY DONATIONS BY ELK GROVE WATER DISTRICT CUSTOMERS TO
NON-PROFIT ORGANIZATION**

Page 2

Cordova Community Partnership. These organizations were chosen through a competitive bid process based on experience in efficiently serving people in need throughout the Sacramento area.

From staff's initial review, there are a number of issues requiring further study or action, and these are as follows:

- Establishing and documenting the program
- Identifying and issuing a Request for Proposals to non-profit organizations
- Establishing a new agency fund within the accounting system
- Work with auditors to establish accounting and reporting procedures
- Programming modifications in TruePoint
- Programming modifications in MAS 100
- Programming modifications on customers monthly bills

Strategic Plan Conformity

This item conforms to the FRCD/EGWD's 2012-2017 Strategic Plan. Reviewing opportunities for enhanced payment options is in line with the Meeting the Challenges – Customer Service section of the Strategic Plan.

FINANCIAL SUMMARY

Although there will be costs incurred with establishing a voluntary donation program, these are not know at this time. If the Board directs staff to further research the issues listed above, there will be costs however these are not anticipated to be significant.

Respectfully Submitted,



JIM MALBERG
FINANCE MANAGER / TREASURER

September 28, 2016

TO: Chairman and Directors of the Florin Resource Conservation District
FROM: Stefani Phillips, Board Secretary
SUBJECT: CANDIDATE STATEMENT PAYMENT SOURCE DISCUSSION

RECOMMENDATION

It is recommended that the Board discuss and provide staff direction regarding the source of payment for voluntary candidate statements, in future election years, for individuals who file candidate documents to become a Florin Resource Conservation District Board of Director.

Summary

This item is being presented at the request of Chairman Chuck Dawson to discuss the source of payment for voluntary candidate statements for future election years.

DISCUSSION

Background

Every two (2) years, the Florin Resource Conservation District (FRCD) Board of Directors must adopt a resolution calling the General Election (Election). The resolution also identifies the amount of words the statement is limited to and how the voluntary candidates' statement will be paid.

In past election years, the Registrar of Voters accepted all candidate documents, but would not accept payment for the voluntary candidates' statement. The Board has a past practice of not paying for the candidate statements, therefore, staff would collect the fee at the Elk Grove Water District office for individuals that were interested in submitting candidate statements. The Registrar of Voters would send the FRCD an invoice for all costs associated with the Election, including the candidate statement.

At the FRCD Board meeting on March 23, 2016, staff presented the Board with a resolution calling the Election. The resolution included changes instituted by the Registrar of Voters.

CANDIDATE STATEMENT PAYMENT SOURCE DISCUSSION

Page 2

The Registrar of Voters presented the FRCD with three options:

1. Candidate pays at the Registrar of Voters
2. Candidate will be billed by the FRCD
3. FRCD pays for the candidate statement

Based on the options presented, staff provided a recommendation to the Board to have the candidates handle all matters related to the election, including paying for their candidate statement, at the Registrar of Voters. The Board agreed with staff's recommendation and passed the resolution.

Present Situation

Chairman Chuck Dawson has requested that the Board discuss and provide staff direction regarding the source of payment for voluntary candidate statements, in future election years, for individuals who file candidate documents to become a Board member.

From the options provided by the Registrar of Voters, previously listed, these are the two options to consider:

1. Candidate pays for the candidate statement at the Registrar of Voters
2. FRCD pays for the candidate statement

STRATEGIC PLAN CONFORMITY

The General Election is a means to provide governance and is consistent with the mission of the FRCD/EGWD's 2012-2017 Strategic Plan.

FINANCIAL SUMMARY

The financial impact of an election is unknown at this time. The Registrar of Voters will determine all associated election costs during an election year. If the Board decides to pay for candidate statements in upcoming years, the financial impact will depend on the number of candidates and the cost of the candidate statement during any given year. Sufficient funding would need to be projected for an election year.

September 28, 2016

CANDIDATE STATEMENT PAYMENT SOURCE DISCUSSION

Page 3

Respectfully submitted,



STEFANI PHILLIPS
BOARD SECRETARY

September 28, 2016

TO: Chairman and Directors of the Florin Resource Conservation District
FROM: Stefani Phillips, Human Resources Administrator
SUBJECT: **CONFLICT OF INTEREST CODE**

RECOMMENDATION

It is recommended that the Board adopt Resolution 09.28.16.02 of the Board of Directors of the Florin Resource Conservation District Amending the Conflict of Interest Code Pursuant to the Political Reform Act of 1974.

Summary

The Political Reform Act requires that state and local government agencies review their Conflict of Interest Code every two years (biennially). After the Florin Resource Conservation District Board of Directors has adopted the proposed Conflict of Interest Code, it is forwarded to the County of Sacramento Board of Supervisors. The County of Sacramento Board of Supervisors is the code-reviewing body for the Sacramento County. The Florin Resource Conservation District is wholly contained within the boundaries of the County of Sacramento, and therefore, the Conflict of Interest Code must be submitted to them for reviewing. The effective date of the Conflict of Interest Code will be 30 days after the date of approval by the Board of Supervisors.

By this action, the Board will adopt Resolution 09.28.16.02 which amends the Conflict of Interest Code to include the addition of the following positions: Assistant General Manager, Human Resources Administrator, and Program Manager; title changes of the Water Distribution Foreman and Water Treatment Foreman to Water Distribution Supervisor and Water Treatment Supervisor; and the removal of Financial Consultants.

DISCUSSION

Background

In August 2010, staff worked with Best, Best, & Krieger to develop a Conflict of Interest Code. The Conflict of Interest Code accurately designates officials and employees that make or participate in the making of governmental decisions; the disclosure categories assigned to those positions accurately require the disclosure of all investments, business positions, interests in real property, and sources of income that may foreseeably be

CONFLICT OF INTEREST CODE

Page 2

affected materially by the decisions made by those holding the designated positions; and the code includes all other provisions required by Government Code Section 87302.

The Florin Resource Conservation District Board of Directors adopted the first Conflict of Interest Code on September 22, 2010 and it was forwarded to the County of Sacramento Board of Supervisors, who adopted it on January 12, 2011.

The Conflict of Interest Code was reviewed and amended in 2012. The last legal review was completed in 2014 and at that time, no changes were needed.

Present Situation

During the biennial review of the Conflict of Interest Code there were several non-substantive changes made. Attachments 1 and 2 to this report include a clean version of the entire document and a redline version of only those pages having changes, respectively, for the Board's review.

The Financial Consultant was removed from Exhibit A, because there is a separate Consultants/New Positions category Exhibit A.

The following amendments were also made to Exhibit A:

- Addition of the Assistant General Manager
- Addition of the Human Resources Administrator
- Addition of Program Manager
- Title change from Water Distribution Foreman to Supervisor
- Title change from Water Treatment Foreman to Supervisor
- Removal of Financial Consultants

STRATEGIC PLAN CONFORMITY

The biennial review of the Conflict of Interest Code meets the Regulatory Compliance section of the 2012-2017 Strategic Plan.

September 28, 2016

CONFLICT OF INTEREST CODE

Page 3

FINANCIAL SUMMARY

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

Respectfully submitted,



STEFANI PHILLIPS
HUMAN RESOURCES Administrator

Attachments

RESOLUTION NO. 09.28.16.02

**RESOLUTION OF THE BOARD OF DIRECTORS OF THE
FLORIN RESOURCE CONSERVATION DISTRICT
AMENDING THE CONFLICT OF INTEREST CODE
PURSUANT TO THE POLITICAL REFORM ACT OF 1974**

WHEREAS, the State of California enacted the Political Reform Act of 1974, Government Code Section 81000 et seq. (the “Act”), which contains provisions relating to conflicts of interest which potentially affect all officers, employees and consultants of the Florin Resource Conservation District (the “District”) and requires all public agencies to adopt and promulgate a conflict of interest code; and

WHEREAS, the Board of Directors adopted a Conflict of Interest Code (the “Code”) which was amended on August 25, 2010, in compliance with the Act; and

WHEREAS, subsequent changed circumstances within the District have made it advisable and necessary pursuant to Sections 87306 and 87307 of the Act to amend and update the District’s Code; and

WHEREAS, the potential penalties for violation of the provisions of the Act are substantial and may include criminal and civil liability, as well as equitable relief which could result in the District being restrained or prevented from acting in cases where the provisions of the Act may have been violated; and

WHEREAS, notice of the time and place of a public meeting on, and of consideration by the Board of Directors of, the proposed amended Code was provided each affected designated employee and publicly posted for review at the offices of the District; and

WHEREAS, a public meeting was held upon the proposed amended Code at a regular meeting of the Board of Directors on September 28, 2016, at which all present were given an opportunity to be heard on the proposed amended Code.

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the Florin Resource Conservation District that the Board of Directors does hereby adopt the proposed amended Conflict of Interest Code, a copy of which is attached hereto and shall be on file with the Board Secretary, and available to the public for inspection and copying during regular business hours;

BE IT FURTHER RESOLVED that the said amended Conflict of Interest Code shall be submitted to the Board of Supervisors of Sacramento County for approval and said Code shall become effective 30 days after the Board of Supervisors approves the proposed Conflict of Interest Code as submitted.

PASSED AND ADOPTED by the following vote on September 28, 2016.

AYES:

NOES:

ABSTAIN:

Chairman of the Board

ATTEST:

Secretary of the Board

LAW OFFICES OF
BEST BEST & KRIEGER LLP

**CONFLICT OF INTEREST CODE
OF THE
FLORIN RESOURCE
CONSERVATION DISTRICT**

CONFLICT OF INTEREST CODE OF THE FLORIN RESOURCE CONSERVATION DISTRICT (Amended _____, 2016)

The Political Reform Act (Government Code Section 81000, et seq.) requires state and local government agencies to adopt and promulgate conflict of interest codes. The Fair Political Practices Commission has adopted 2 Cal. Code of Regs. Section 18730 which contains the terms of a standard conflict of interest code which can be incorporated by reference in an agency's code. After public notice and hearing Section 18730 may be amended by the Fair Political Practices Commission to conform to amendments in the Political Reform Act. Therefore, the terms of 2 California Code of Regulations Section 18730 and any amendments to it duly adopted by the Fair Political Practices Commission are hereby incorporated by reference. This incorporation page, regulation and the attached Appendix designating positions and establishing disclosure categories, shall constitute the conflict of interest code of the **Florin Resource Conservation District** (the "**District**").

All Officials and Designated Positions required to submit a statement of economic interests shall file their statements with the **Board Secretary** as the District's Filing Officer. The **Board Secretary** shall make and retain a copy of all statements filed by Members of the Board of Directors and the General Manager, and forward the originals of such statements to the Clerk of the Board of Supervisors in the County of Sacramento. The **Board Secretary** shall retain the originals of the statements of all other Officials and Designated Position and shall make all retained statements available for public inspection and reproduction during regular business hours. (Gov. Code Section 81008.)

APPENDIX

CONFLICT OF INTEREST CODE

OF THE

FLORIN RESOURCE CONSERVATION DISTRICT

(Amended _____, 2016)

EXHIBIT “A”

OFFICIALS WHO MANAGE PUBLIC INVESTMENTS

District Officials who manage public investments, as defined by 2 Cal. Code of Regs. § 18701(b), are NOT subject to the District’s Code, but must file disclosure statements under Government Code Section 87200 et seq. [Regs. § 18730(b)(3)] These positions are listed here for informational purposes only.

It has been determined that the positions listed below are officials who manage public investments¹:

Members of the Board Directors

Treasurer

¹ Individuals holding one of the above-listed positions may contact the Fair Political Practices Commission for assistance or written advice regarding their filing obligations if they believe that their position has been categorized incorrectly. The Fair Political Practices Commission makes the final determination whether a position is covered by § 87200.

DESIGNATED POSITIONS

GOVERNED BY THE CONFLICT OF INTEREST CODE

<u>DESIGNATED POSITIONS'</u> <u>TITLE OR FUNCTION</u>	<u>DISCLOSURE CATEGORIES</u> <u>ASSIGNED</u>
Assistant General Manager	1, 2
Associate Civil Engineer	2, 3, 5
Finance Manager	1, 2, 4
Finance Services Specialist II	2, 3, 5
Finance Supervisor	2, 3, 5
General Counsel	1, 2
General Manager	1, 2
GIS Technician I	5
Human Resources Administrator	5
Human Resources Specialist	5
Management Analyst	2, 4
Operations Manager	5
Program Manager	4
Water Distribution Supervisor	5
Water Treatment Supervisor	5
Consultant and New Positions ²	

² Individuals providing services as a Consultant defined in Regulation 18701, or in a new position created since this Code was last approved that makes or participates in making decisions shall disclose pursuant to the broadest disclosure category in this Code subject to the following limitation:

The General Manager may determine that, due to the range of duties or contractual obligations, it is more appropriate to assign a limited disclosure requirement. A clear explanation of the duties and a statement of the extent of the disclosure requirements must be in a written document. (Gov. Code Sec. 82019; FPPC Regulations 18219 and 18734.). The General Manager's determination is a public record and shall be retained for public inspection in the same manner and location as this Conflict of Interest Code. (Gov. Code Sec. 81008.)

EXHIBIT “B”

DISCLOSURE CATEGORIES

The disclosure categories listed below identify the types of economic interests that the Designated Position must disclose for each disclosure category to which he or she is assigned.³

Category 1: All investments and business positions in business entities, and sources of income, including gifts, loans and travel payments, that do business in or own real property within the jurisdiction of the District.

Category 2: All interests in real property which is located in whole or in part within, or not more than two (2) miles outside, the jurisdiction of the District.

Category 3: All investments and business positions in business entities, and sources of income, including gifts, loans and travel payments, engaged in land development, construction or the acquisition or sale of real property within the jurisdiction of the District.

Category 4: All investments and business positions in business entities, and sources of income, including gifts, loans and travel payments, that provide services, products, materials, machinery, vehicles or equipment of a type utilized by the District.

Category 5: All investments and business positions in business entities, and sources of income, including gifts, loans and travel payments, that provide services, products, materials, machinery, vehicles or equipment of a type purchased or leased by the Designated Position’s department, unit or division.

³ This Conflict of Interest Code does not require the reporting of gifts from outside this agency’s jurisdiction if the source does not have some connection with or bearing upon the functions or duties of the position. (Reg. 18730.1)

LAW OFFICES OF
BEST BEST & KRIEGER LLP

**CONFLICT OF INTEREST CODE
OF THE
FLORIN RESOURCE
CONSERVATION DISTRICT**

CONFLICT OF INTEREST CODE OF THE FLORIN RESOURCE CONSERVATION DISTRICT (Amended **August 22** _____, 201**62**)

The Political Reform Act (Government Code Section 81000, et seq.) requires state and local government agencies to adopt and promulgate conflict of interest codes. The Fair Political Practices Commission has adopted 2 Cal. Code of Regs. Section 18730 which contains the terms of a standard conflict of interest code which can be incorporated by reference in an agency's code. After public notice and hearing Section 18730 may be amended by the Fair Political Practices Commission to conform to amendments in the Political Reform Act. Therefore, the terms of 2 California Code of Regulations Section 18730 and any amendments to it duly adopted by the Fair Political Practices Commission are hereby incorporated by reference. This incorporation page, regulation and the attached Appendix designating positions and establishing disclosure categories, shall constitute the conflict of interest code of the **Florin Resource Conservation District** (the "**District**").

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(Amended ~~August 22~~ _____, 20162)

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~~Financial Consultants~~

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DESIGNATED POSITIONS

GOVERNED BY THE CONFLICT OF INTEREST CODE

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Associate Civil Engineer	2, 3, 5
Finance Manager	<u>1, 2, 4</u>
Finance Services Specialist II	2, 3, 5
Finance Supervisor	2, 3, 5
General Counsel	1, 2
General Manager	1, 2
GIS Technician I	5
<u>Human Resources Administrator</u>	<u>5</u>
Human Resources Specialist	5
Management Analyst	2, 4
Operations Manager	5
<u>Program Manager</u>	<u>4</u>
Water Distribution Foreman <u>Supervisor</u>	5
Water Treatment Foreman <u>Supervisor</u>	5
Water Utility Foreman	5
Consultant and New Positions ²	

² Individuals providing services as a Consultant defined in Regulation 18701, or in a new position created since this Code was last approved that makes or participates in making decisions shall disclose pursuant to the broadest disclosure category in this Code subject to the following limitation:

The General Manager may determine that, due to the range of duties or contractual obligations, it is more appropriate to assign a limited disclosure requirement. A clear explanation of the duties and a statement of the extent of the disclosure requirements must be in a written document. (Gov. Code Sec. 82019; FPPC Regulations 18219 and 18734.). The General Manager's

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App. A-3

BBK – September 2016

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Category 5: All investments and business positions in business entities, and sources of income, including gifts, loans and travel payments, that provide services, products, materials, machinery, vehicles or equipment of a type purchased or leased by the Designated Position’s department, unit or division.

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September 28, 2016

TO: Chairman and Directors of the Florin Resource Conservation District
FROM: Mark J. Madison, General Manager
SUBJECT: **GENERAL MANAGER'S REPORT**

RECOMMENDATION

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

Summary

The Board requested a monthly summary of activities performed by the General Manager on behalf of the Florin Resource Conservation District (FRCD) and the Elk Grove Water District (EGWD). This report is provided in compliance with that request and no action is requested of the Board at this time.

DISCUSSION

Background

At the March 23, 2016 Board meeting, the Board requested the General Manager to include a General Manager's Report as part of the agenda for every regular FRCD Board meeting. More specifically, it was requested that this report include a listing of the General Manager's various activities involving the FRCD and the EGWD.

Present Situation

This report has been structured to inform the Board of those activities between the last Regular Board Meeting and the current Regular Board Meeting. It is designed to not repeat various updates included in other status reports presented in this agenda, although there may be activities listed where the General Manager was involved but not cited in the other status reports.

GENERAL MANAGER'S REPORT

Page 2

Since July 27, 2016, the notable General Manager's activities included the following:

Florin Resource Conservation District

- Researched AB 2389 as it pertains to reducing FRCD elections costs.
- Attended the American River Basin Stormwater Resource Planning kickoff meeting with Associate Director Medina held by the Office of Water Planning.
- Researched the City of Elk Grove's efforts to manage their dry wells and their potential street improvement project to construct additional dry wells.
- Assisted Director Nelson in meeting with Supervisor Notolli to explore possibilities for the FRCD to engage in developments needing to mitigate their projects. Also, researched this item in detail with Sacramento County staff.
- Met with the Conservation Committee to further discuss conservation activities for the FRCD.
- Researched the issues involving urban farming and had numerous discussions with Elk Grove City staff, the City of West Sacramento, and the Center for Land Based Learning.
- Prepared the June, 2016 Florin Resource Conservation Activities Staff Report.

Elk Grove Water District

- Completed the interviews and selection of a new Program Manager for the EGWD
- Completed negotiations and executed a purchase agreement with the Wilton Rancheria Tribe for a property purchase adjacent to the Railroad Water Treatment Plant.
- Initiated the new banking services with Farmers & Merchants bank.
- Assisted Chairman Dawson with a presentation to the Tea Party.
- Conducted seven private meetings with a Board Members.
- Executed a purchase agreement for a new pickup.
- Met with developers regarding water service along Waterman Avenue.
- Attended the RWA legislation group meeting on August 17.
- Assisted Director Nelson in representing the FRCD/EGWD at the SCGA Subcommittee meeting on August 18.
- Continued the development of a new cross-connection control ordinance for the EGWD.
- Conducted an exit interview with the auditors.

GENERAL MANAGER'S REPORT

Page 3

- Met with the ACWA/JPIA Attorney on various matters.
- Met with Elk Grove Staff to determine permitting requirements for the new building at the Railroad Water Treatment Plant.
- Presented on "Rates and Rate Setting" at an APWA luncheon on September 9.
- Conducted an SCWA/EGWD Coordination meeting on September 13.
- Assisted Director Nelson at the SCGA meeting on September 14.
- Assisted Director Nelson at the SCGA Budget Subcommittee meeting on September 21.
- Attended KSN's 60-Year Celebration on September 22.
- Met with the CSD Fire Department to discuss fire backflow issues.
- Prepared various reports for the September 28 Board meeting.

STRATEGIC PLAN CONFORMITY

This report directly conforms to the goals and objectives for both the Florin Resource Conservation District and the Elk Grove Water District as the General Manager is responsible for implementing the requirements of the Strategic Plan.

FINANCIAL SUMMARY

There is no direct financial impact associated with this report.

Respectfully submitted,



MARK J. MADISON, P.E.
GENERAL MANAGER

MJM:mjm