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

Agenda

Wednesday, December 16, 2015

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. Proclamations and Announcements

Associate Director Comment

Public Comment

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

a. Regular Board Meeting Minutes – October, 2015
b. FRCD Cash Flow Worksheet – October, 2015
c. Warrants Paid – October, 2015
d. Active Accounts – October, 2015
e. Bond Covenant Status for FY 2015-16 – October, 2015
f. Revenues and Expenses – Actual vs. Budget FY 2015-16 – October, 2015
g. Cash Accounts – October, 2015
h. Consultants Expenses – October, 2015

Associate Director Comment

Public Comment

Recommended Action: Approve Florin Resource Conservation District Consent Calendar

3. Committee Meetings (Stefani Phillips, Board Secretary)

Associate Director Comment

Public Comment

4. Florin Resource Conservation District Conservation Activities – December 2015 (Mark J. Madison, PE, General Manager)

Associate Director Comment

Public Comment

5. Elk Grove Water District Conservation Activities – October and November 2015 (Ellen Carlson, Management Analyst)

Associate Director Comment

Public Comment

6. Elk Grove Water District Operations Report – October and November 2015
(Mark J. Madison, PE, General Manager)
a. October, 2015
b. November, 2015

Associate Director Comment

Public Comment

7. Fiscal Year 2014-15 Year End Audit Status Update Report
(Jim Malberg, Finance Manager/Treasurer)

Associate Director Comment

Public Comment

8. Legislative Update (Ellen Carlson, Management Analyst)

Associate Director Comment

Public Comment

9. Directors Comments

10. Closed Session
a. CONFERENCE WITH LABOR NEGOTIATORS (Gov't. Code Section 54957.6)
Agency designated representatives: Mark J. Madison, General Manager
Unrepresented employees: All

Adjourn to Regular Meeting – January 27, 2016.

December 16, 2015

TO: Chairman and Directors of the Florin Resource Conservation District

FROM: Stefani Phillips, Secretary and Jim Malberg, Treasurer

SUBJECT: **CONSENT CALENDAR**

RECOMMENDATION

It is recommended that the Florin Resource Conservation District Board of Directors approve the FRCD Consent Calendar.

Summary

By this action, the Board will approve the FRCD Consent Calendar items a-h.

DISCUSSION

Background

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

FINANCIAL SUMMARY

N/A

Respectfully Submitted,

Stefani Phillips and Jim Malberg

STEFANI PHILLIPS, SECRETARY AND
JIM MALBERG, TREASURER

SP

Attachments

Consent
Calender Item#: a

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

Wednesday, October 28, 2015

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, and Jeanne Sabin
Directors Absent:	None
Staff Present:	Mark J. Madison, General Manager; Jim Malberg, Finance Manager; Donella Murrillo, Finance Supervisor; Stefani Phillips, Secretary; Bruce Kamilos, Associate Civil Engineer; Jose Carrillo, Water Distribution Foreman; Richard Salas, Water Distribution Foreman
Associate Directors Present:	Lisa Medina, Davies Ononiwu, Mike Schmitz
General Counsel Present:	Ann Siprelle, Best Best & Krieger (BB&K)
Consultants Present:	Peter Kampa, General Manager with Kampa Community Solutions, LLC

Public Comment

Mark Graham presented a four minute video regarding Geoengineering to the Florin Resource Conservation District Board of Directors (Board). Mr. Graham believes it is the cause of the drought.

1. Proclamations and Announcements

Recognition of Richard Salas for ten years of service.

Chuck Dawson, Chairman, commended Mr. Salas for his years of service and professionalism with the District.

Mark Madison, General Manager, notified the Board that progress has been made on the sale of the Susie Gaines Mitchell Building.

Mr. Madison's comments on the sale of the Susie Gaines Mitchell Building included:

- The District posted a Material Events Notice on the Electronic Municipal Market Access (EMMA) website
- Highlights from posting included:
    - The District's marketing campaign and competitive bidding process for the sale of the Real Property was reasonable, appropriate, and consistent with the District's obligations under the bond documents
    - The District's sale of the Real Property for $9,900,000 is commercially reasonable, appropriate and consistent with the District's obligations under the bond documents
    - The District's payment of net sales proceeds to the Trustee, and the Trustee's payment of the net sale proceeds to the 2003 Bondholders pursuant to Article XV of the Indenture will satisfy all the of District's and the Trustee's obligations to each other and to the Bondholders under the bond documents
- The District anticipates closing on the sales transaction on November 3, 2015

2. Consent Calendar

a. Regular Board Meeting Minutes – September 30, 2015

b. FRCD Cash Flow Worksheet – September, 2015
c. Warrants Paid – September, 2015
d. Active Accounts – September, 2015
e. Bond Covenant Status for FY 2015-16 – September, 2015
f. Revenues and Expenses – Actual vs Budget FY 2015-16 – September, 2015
g. Cash Accounts – September, 2015
h. Consultants Expenses – September, 2015

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

3. Committee Meetings

No committee meetings were held between the months of September and October 2015.

4. Florin Resource Conservation District Conservation Activities – October 2015

Mark Madison, General Manager, presented the Florin Resource Conservation District Conservation Activities October 2015 to the Board. Mr. Madison stated that he continues to work with Kampa Consulting to complete a needs assessment for the FRCD and he informed the Board that there was two Stakeholder meetings held at the District's Administrative office on October 27, 2015.

Peter Kampa, General Manager with Kampa Community Solutions, LLC, spoke to the Board about the needs assessment and where it is headed.

Tom Nelson, Vice-Chairman, suggested having a board member present at the public workshops that are being held November 17-19, 2015.

Elliot Mulberg, Director, inquired if the District is advertising the public workshops on the District's website. Mr. Kampa responded stating that a link has been created (http://www.frcdstudy.com/) and will be linked to the District's website when it is live.

Mr. Mulberg, suggested adding Gil Albiani to the Needs Assessment Stakeholder's List.

5. Sustainable Groundwater Management Act Quarterly Update

Mark Madison, General Manager, presented the Sustainable Groundwater Management Act Quarterly Update to the Board. In summary, Governor Brown signed into law the Sustainable Groundwater Management Act (SGMA). With the passage of SGMA, groundwater use is now a regulated water resource for the first time in California history. To achieve statewide management of groundwater basins, SGMA required local authorities to form Groundwater Sustainability Agencies (GSAs) for all medium and high priority groundwater sub-basins by June 30, 2017, followed by Groundwater Sustainability Plans (GSPs) by January 31, 2022. The Florin Resource Conservation District/Elk Grove Water District (FRCD/EGWD) is actively involved in this process through its participation in the Sacramento Central Groundwater Authority (SCGA).

Elliot Mulberg, Director, inquired what the downside would be for Omochumne-Harnell Water District (OHWD) to have their own plan. Mr. Madison responded stating without agreements of a plan, things could get messy.

Jeanne Sabin, Director, inquired if the requested changes do not take affect is there an alternative option. Mr. Madison responded stating that no changes need to occur to the current Joint Powers Agreement (JPA) to launch the new GSA, but before the GSA goes into effect the District believes the JPA should be modified or rewritten.

Mr. Mulberg inquired if the District is not able to get the task done itself who would take over. Mr. Madison responded stating the County would take over and then it would go to the State.

Bob Gray, Director, inquired what the deadline is for the Sustainability Plan. Mr. Madison responded June 2022 and stated the District is required to develop a plan that achieves sustainability of the District's basin within a 20 year period reaching out to 2042.

6. Elk Grove Water District Conservation Activities – October 2015

Mark Madison, General Manager, presented the Elk Grove Water District Conservation Activities – October 2015 to the Board. In summary, service area 1 reduced its water consumption by 29.41% and service area 2 reduced by 33.48 % for the month of September. The cumulative reduction for September is 30.99% and the cumulative for year to date is 37.42%. Mr. Madison then provided the Board clarification that January 2013 is the time period at which the current figures are being compared to.

7. Elk Grove Water District Operations Report – September 2015

Mark J. Madison, General Manager, presented the highlights of the Operations Report – September, 2015 to the Board.

Comments and inquiries included:

- 477 Door Hangers – same as previous month
- 47 Shut Offs – down from the previous month
- 168 USA Locates – due to paving work that are taking place within the City of Elk Grove
- 2 Pressure Complaints
    - 1 High Pressure Complaint
    - 1 Low Pressure Complaint – staff installed a pressure logger for a week and didn't identify any problem
- 2 Water Quality Complaints
    - 1 complaint was brown water
    - 1 complaint was milky water which the District believes is caused by Well 3 – milky water is water with air in it. Staff will work on what is causing Well 3 to produce the milky water
- Preventative Maintenance
    - 60 Hydrant Maintenance
    - 104 Valve Exercising
- Utility Work Orders
    - 2 Service Line Replacements – most of the work that was completed for the month was the water main project on Colton Avenue/Orton Street
- Monthly Production
    - Well 1D – only ran 1.9 hours
    - Well 4D – one of the main producer
    - Well 11D – dropped a little, this Well needs rehabilitation so the District is not running it as much
    - Well 14D - this Well needs rehabilitation so the District is not running it as much
    - Well 3 – ran a lot during the month of September and runs well with Hampton is terms of efficiency
    - Well 8 – needs rehabilitation because it produces a lot of sand
    - Well 9 – continues to be steady
    - Well 13 – running great and the quality of water is good

- Combined Total Production – down from last year and also 2013
- Total Demand/Production – service area 1 consumes a greater percentage of total consumption during the cooler months than service area 2
- Static and Pumping levels – 4th quarter numbers are in and static levels are higher than they were in 2013
- No water waste discharge for the month of September
- 15 outstanding delinquents for the Backflow Prevention Program
- 9 Leaks
    - 7 Service Line leaks – most of the leaks occurred in the Hampton area on cooper service lines due to the soil being hot and corrosive and possibly because the pressure is higher now since Well 13 (Hampton Well) is back online
    - 2 Main Line leaks – shear breaks of asbestos cement pipe
- No change to report on the pressure maps – essentially the same as the previous month

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

Jim Malberg, Finance Manager, presented the Elk Grove Water District Fiscal Year 2015-16 Quarterly Operating Budget Status Report to the Board. Mr. Malberg stated that the District is where it thought it would be this time of the year.

Comments and inquiries included:

- 26.88% in Revenues – a little concerning and we are watching closely
- 26.89% in Salaries & Benefits – this is a little high due to three pay periods for the month of September
- 25.27 % in Office & Operational – significantly lower than last year
- 24.97% in Purchased Water – this percentage helps offsets the revenues because with the District not selling as much water the District is not needing to purchase as much water as it did in the past
- 20.99% in Outside Services – down 31% from last year
- 16.05% in Equipment Rent, Taxes, Utilities - this percentage helps offset the revenues because with the District's producing less water and therefore using less electricity

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

Jim Malberg, Finance Manager, presented the Elk Grove Water District Fiscal Year 2015-16 Quarterly Capital Reserve Status Report to the Board. In summary, the total amount available for reserves at July 1, 2015 was $11,500,000. Based on Board policy adopted circa August 22, 2012, the reserves are allocated first to the Operating Reserve (120 days of expenses), then to the Fiscal Year 2015-16 capital budget, followed by elections/special studies, with the balance allocated to future capital improvements and capital replacements in the ratio of 75:25, respectively. During the first quarter of FY 2015-16, the District utilized $194,376 for capital projects leaving a remaining total reserve balance at September 30, 2015 of $11,305,624.

Lisa Medina, Associate Director, inquired if the Elections and Special Studies included the Needs Assessment. Mr. Malberg responded stating that the Needs Assessment was budgeted on the FRCD Budget.

10. Legislative Update

Mark Madison, General Manager, presented the Legislative Update to the Board. In summary, the State's legislators are on recess until January 4, 2016. Governor Brown signed 15 of the bills tracked in this report and vetoed one. Notably, Mr. Madison informed the Board on SB 555, which requires each urban water supplier to submit water loss audits by 1/1/2017 according to rules to be established by DWR by 10/1/2016. DWR will be required to publish the reports on their website and provide technical assistance to water loss detection programs. Staff will be following this closely.

Elliot Mulberg, Director, requested to see at the next Board meeting a summary of bills that were signed into law with a very brief description, the bills that were vetoed by governor, and the two year bills.

11. Director Comments

No comments were made.

12. Closed Session

a. CONFERENCE WITH LEGAL COUNSEL—EXISTING LITIGATION
   Gov. Code Sec. 54956.9(d)(1)
   Florin Resource Conservation District v. Bank of New York Mellon Trust Company, Sacramento County Superior Court Case No. 34-2015-00179868-CU-MC-GDS
b. CONFERENCE WITH LABOR NEGOTIATORS (Gov't. Code Section 54957.6)
   Agency designated representatives: Mark J. Madison, General Manager
   Unrepresented employees: All

No reportable action taken.

Adjourn to Regular Meeting on Wednesday, December 16, 2015 at 6:30 p.m.

Respectfully submitted,

Stefani Phillips

Stefani Phillips, Secretary

SP/CR

Consent
Calendar Item# b

FRCD Cash Flow
For the Month Ended October 31, 2015

Cash in Bank – Beginning	**$ 124,298.78**
Receipts:	
Interest Earned	**$ 8.45**
Disbursements:	
Cash in Bank – Ending	**$ 124,307.23**

9257 Elk Grove Blvd. Elk Grove, CA 95624 (916) 685-3556 Fax (916) 685-5376

Check History Report

10/1/2015 to 10/31/2015
Elk Grove Water District

Check Number	Check Date	Vendor Number	Name	Check	Explanation
039375	10/6/2015	A. TEIC	A. TEICHERT & SON, INC	320.48	
039376	10/6/2015	ACWAJPI	CB&T/ ACWA-JPIA	51,197.76	
039377	10/6/2015	AFLAC	AFLAC	1,853.32	
039378	10/6/2015	FERRELL	FERRELLGAS	8.77	
039379	10/6/2015	PACE	PACE SUPPLY CORP	488.98	Materials/Supplies-Distribution
039380	10/6/2015	PIT 2	PITNEY BOWES GLOBAL FINANCIAL	197.67	
039381	10/6/2015	RCB DO	CARD SERVICE CENTER	102.68	Parking, Seminar, Meals
039382	10/6/2015	RCB EC	CARD SERVICE CENTER	25.00	Materials
039383	10/6/2015	RCB MM	CARD SERVICE CENTER	1,768.10	Airfare, Meals
039384	10/6/2015	RCB SP	CARD SERVICE CENTER	72.39	Contracted Services, Employee Appreciation
039385	10/6/2015	REPUBLI	REPUBLIC SERVICES #922	799.12	Trash Services-ADMIN/MOC
039386	10/6/2015	TOSHIBA	TOSHIBA FINANCIAL SERVICES	528.93	Copier-ADMIN
039387	10/6/2015	CLA VAL	CLA-VAL	537.48	
039388	10/6/2015	RCB BK	CARD SERVICE CENTER	342.23	Airfare, Materials
039389	10/7/2015	BSK4	BSK ASSOCIATES	709.00	Sampling-Treatment
039390	10/7/2015	COUNTY4	SACRAMENTO COUNTY UTILITIES	50.70	
039391	10/7/2015	CPHILLI	CHRIS PHILLIPS	103.68	Clothing Reimbursement
039392	10/7/2015	EG FORD	ELK GROVE FORD	761.52	Repairs & Maintenance
039393	10/7/2015	FASTENA	FASTENAL COMPANY	64.50	
039394	10/7/2015	GRAINGE	GRAINGER	160.26	
039395	10/7/2015	HACH	HACH COMPANY	352.68	
039396	10/7/2015	INT STA	INTERSTATE OIL COMPANY	1,699.77	Fuel
039397	10/7/2015	PACE	PACE SUPPLY CORP	1,857.65	(3) Invoices-Materials/Supplies-Distribution-Treatment
039398	10/7/2015	PEST	PEST CONTROL CENTER INC	230.00	
039399	10/7/2015	RCB SS	CARD SERVICE CENTER	475.43	Materials/Supplies-Treatment
039400	10/7/2015	RCBJC	CARD SERVICE CENTER	998.12	Materials/Supplies-Distribution
039401	10/7/2015	SIERR C	SIERRA CHEMICAL COMPANY	1,660.84	Materials/Supplies-Treatment
039402	10/7/2015	SMUD	SMUD	6,284.76	
039403	10/7/2015	SMUD	SMUD	3,414.00	
039404	10/7/2015	SMUD	SMUD	164.37	
039405	10/7/2015	SMUD	SMUD	8,472.87	
039406	10/7/2015	SMUD	SMUD	7,234.33	
039407	10/7/2015	SMUD	SMUD	1,093.99	
039408	10/7/2015	SMUD	SMUD	76.22	
039409	10/7/2015	SMUD	SMUD	2,373.22	
039410	10/7/2015	SWRCB	SWRCB	902.70	
039411	10/21/2015	A. TEIC	A. TEICHERT & SON, INC	559.34	Materials/Supplies
039412	10/21/2015	ALL AME	ALL AMERICAN CONSTRUCTION INC	1,438.02	Refund on Construction Water Permit
039413	10/21/2015	BAY ALA	BAY ALARM COMPANY	344.00	
039414	10/21/2015	BG SOLU	SOLUTIONS BY BG INC.	5,115.75	Daily Tasks/Help Tickets
039415	10/21/2015	BRINKS	BRINK'S INCORPORATED	262.51	
039416	10/21/2015	BSK4	BSK ASSOCIATES	285.00	Sampling-Treatment
039417	10/21/2015	CAP RUB	CAPITAL RUBBER	121.49	
039418	10/21/2015	CONSOLI	CONSOLIDATED COMMUNICATIONS	238.65	Ethernet Service
039419	10/21/2015	CONSOLI	CONSOLIDATED COMMUNICATIONS	1,256.10	Phones-MOC/ADMIN
039420	10/21/2015	COUNTY	COUNTY OF SACRAMENTO	480,471.54	Sacramento County Water Charges-August/September
039421	10/21/2015	COUNTY4	SACRAMENTO COUNTY UTILITIES	103.71	
039422	10/21/2015	CRF KFR	KRIS JACKSON-RUSSO	236.19	Account Closed-Customer Refund
039423	10/21/2015	CSDA	CALIF SPECIAL DISTRICTS ASSOC.	6,089.00	2016 Membership Dues
039424	10/21/2015	DATAPRO	DATAPROSE LLC	6,976.45	Monthly Billing
039425	10/21/2015	DMV	DMV	15.00	
039426	10/21/2015	EFFECT	EFFECTIVE PHONE SOLUTIONS INC.	1,265.85	Disaster Recovery

Consent
Calendar Item# C

039427	10/21/2015	EG FORD	ELK GROVE FORD	875.65	Repairs & Maintenance
039428	10/21/2015	EG FORD	ELK GROVE FORD	61,553.22	2016 Ford F350
039429	10/21/2015	EGPOWER	ELK GROVE POWER EQUIPMENT	299.99	
039430	10/21/2015	FASTENA	FASTENAL COMPANY	67.05	
039431	10/21/2015	FRONT C	FRONTIER COMMUNICATIONS	220.94	Well site communications
039432	10/21/2015	FRONT C	FRONTIER COMMUNICATIONS	169.13	Well site communications
039433	10/21/2015	FRONT C	FRONTIER COMMUNICATIONS	174.51	Well site communications
039434	10/21/2015	GOLD ST	GOLDEN STATE CAR WASH	51.00	
039435	10/21/2015	GRAINGE	GRAINGER	385.77	
039436	10/21/2015	HACH	HACH COMPANY	126.25	
039437	10/21/2015	INDUSTR	TNT INDUSTRIAL CONTRACTORS INC	24,498.95	Hampton WTP
039438	10/21/2015	ISCC	ISCC, INC	149.00	
039439	10/21/2015	JAYS	JAY'S TRUCKING SERVICE	4,152.56	(2) Invoices-Materials/Supplies-Colton-Distribution
039440	10/21/2015	KOCH	KOCH & KOCH, INC	5,565.00	SCADA Improvements
039441	10/21/2015	PAC BEN	PACIFIC BENEFIT IFLEX, INC	75.00	
039442	10/21/2015	PAC BEN	PACIFIC BENEFIT IFLEX, INC	16.00	
039443	10/21/2015	PACE	PACE SUPPLY CORP	4,066.37	(3) Invoices- Materials/Supplies-Colton/Distribution
039444	10/21/2015	PAULA M	PAULA MAITA & COMPANY	2,590.51	Conservation Materials
039445	10/21/2015	PG&E	PACIFIC GAS & ELECTRIC COMPANY	8.64	
039446	10/21/2015	RADIAL	RADIAL TIRE OF ELK GROVE	115.73	Repairs & Maintenance
039447	10/21/2015	RCB RS	CARD SERVICE CENTER	1,485.25	Materials/ Supplies-Utility Crew
039448	10/21/2015	ROOCO	ROOCO RENTS	2,134.08	(5) Invoices- Materials/Supplies-Colton
039449	10/21/2015	RWA	REGIONAL WATER AUTHORITY	986.81	
039450	10/21/2015	SAC TAX	SACRAMENT COUNTY	100.00	Annual Property Taxes
039451	10/21/2015	SAC TAX	SACRAMENT COUNTY	100.00	Annual Property Taxes
039452	10/21/2015	SAC TAX	SACRAMENT COUNTY	11.82	Annual Property Taxes
039453	10/21/2015	SAC TAX	SACRAMENT COUNTY	100.00	Annual Property Taxes
039454	10/21/2015	SAC TAX	SACRAMENT COUNTY	100.00	Annual Property Taxes
039455	10/21/2015	SAC TAX	SACRAMENT COUNTY	100.00	Annual Property Taxes
039456	10/21/2015	SAC TAX	SACRAMENT COUNTY	100.00	Annual Property Taxes
039457	10/21/2015	SAC TAX	SACRAMENT COUNTY	100.00	Annual Property Taxes
039458	10/21/2015	SAC TAX	SACRAMENT COUNTY	100.00	Annual Property Taxes
039459	10/21/2015	SAC TAX	SACRAMENT COUNTY	100.00	Annual Property Taxes
039460	10/21/2015	SAC TAX	SACRAMENT COUNTY	100.00	Annual Property Taxes
039461	10/21/2015	SAC TAX	SACRAMENT COUNTY	123.52	Annual Property Taxes
039462	10/21/2015	SAC TAX	SACRAMENT COUNTY	100.00	Annual Property Taxes
039463	10/21/2015	SIERRA	SIERRA OFFICE SUPPLIES	711.75	
039464	10/21/2015	SUMMIT	AIR WORKS INC	110.00	
039465	10/21/2015	VALL MO	VALLEY MOTOR PARTS	32.37	
039466	10/21/2015	VERIZON	VERIZON WIRELESS	415.53	Aircards-Laptops
039467	10/21/2015	W SADLE	WILLIAM SADLER	60.00	Certification Renewal
039468	10/21/2015	YOUNGDA	YOUNGDAHL CONSULTING GROUP INC	260.00	RRWTF Parking Lot
039469	10/21/2015	FTB 6	FRANCHISE TAX BOARD	50.00	Confidential
039470	10/29/2015	A. TEIC	A. TEICHERT & SON, INC	402.78	
039471	10/29/2015	AERO	AEROTEK PROFESSIONAL SERVICES	191.70	Temporary Customer Service Help
039472	10/29/2015	AERO	AEROTEK PROFESSIONAL SERVICES	564.45	Temporary Customer Service Help
039473	10/29/2015	AERO	AEROTEK PROFESSIONAL SERVICES	942.63	Temporary Customer Service Help
039474	10/29/2015	AERO	AEROTEK PROFESSIONAL SERVICES	766.80	Temporary Customer Service Help
039475	10/29/2015	AERO	AEROTEK PROFESSIONAL SERVICES	937.20	Temporary Customer Service Help
039476	10/29/2015	AERO	AEROTEK PROFESSIONAL SERVICES	575.10	Temporary Customer Service Help
039477	10/29/2015	BG SOLU	SOLUTIONS BY BG INC.	5,187.00	Daily Tasks/Help Tickets
039478	10/29/2015	BSK4	BSK ASSOCIATES	200.00	Sampling-Treatment
039479	10/29/2015	C&T	C & T SPECIALTIES	75.38	
039480	10/29/2015	COUNTY4	SACRAMENTO COUNTY UTILITIES	103.70	

039481	10/29/2015	CRF ASD	ALLEN & SUSAN DUKES	200.00	Account Closed-Customer Refund
039482	10/29/2015	DMV3	DMV RENEWAL	25.00	
039483	10/29/2015	FASTENA	FASTENAL COMPANY	2.53	
039484	10/29/2015	FED EX	FEDERAL EXPRESS	20.10	
039485	10/29/2015	FTB 6	FRANCHISE TAX BOARD	50.00	Confidential
039486	10/29/2015	INT STA	INTERSTATE OIL COMPANY	1,271.01	Fuel
039487	10/29/2015	MONTIEL	MICHAEL MONTIEL	70.00	Certification Renewal
039488	10/29/2015	PAC BEN	PACIFIC BENEFIT IFLEX, INC	16.00	
039489	10/29/2015	PACE	PACE SUPPLY CORP	3,865.44	(2) Invoices-Materials/Supplies-Colton
039490	10/29/2015	PAULA M	PAULA MAITA & COMPANY	1,079.70	(2) Invoices-Clothing for Field Crews
039491	10/29/2015	PRE ALL	PREFERRED ALLIANCE, INC	202.00	
039492	10/29/2015	RADIAL	RADIAL TIRE OF ELK GROVE	501.21	Repairs & Maintenance
039493	10/29/2015	ROOCO	ROOCO RENTS	1,853.28	(4)-Materials/ Supplies-Colton
039494	10/29/2015	ROTH	ROTH STAFFING COMPANIES, L.P.	195.72	
039495	10/29/2015	SAC VAL	SAC VALLEY ELECTRIC, INC	11,637.50	VFD Booster Pump
039496	10/29/2015	SIERRA	SIERRA OFFICE SUPPLIES	234.92	
039497	10/29/2015	SWRCB2	SWRCB-DWOCP	90.00	Certification Renewal
039498	10/29/2015	SWRCB2	SWRCB-DWOCP	60.00	Certification Renewal
039499	10/29/2015	SWRCB2	SWRCB-DWOCP	90.00	Certification Renewal
039500	10/29/2015	UNITED	UNITED SITE SERVICES	250.15	
039501	10/29/2015	VALL MO	VALLEY MOTOR PARTS	55.69	
039502	10/29/2015	ZOOM	ZOOM IMAGING SOLUTIONS, INC	430.86	
039503	10/30/2015	BEST	BEST, BEST & KRIEGER	13,209.47	Legal
039504	10/30/2015	J MELLO	JUSTIN MELLO	65.00	Certification Renewal
039505	10/30/2015	PEST	PEST CONTROL CENTER INC	80.00	
039506	10/30/2015	PLATT2	PLATT	15.43	
039507	10/30/2015	RADIAL	RADIAL TIRE OF ELK GROVE	1,471.36	Repairs & Maintenance
039508	10/30/2015	ROOCO	ROOCO RENTS	2,583.36	(5) Invoices- Materials/Supplies-Colton
039509	10/31/2015	A. TEIC	A. TEICHERT & SON, INC	916.86	
039510	10/31/2015	ABIDE	ABIDE BUILDERS, INC	24,710.36	RRWTF Parking Lot
039511	10/31/2015	ALL STA	ALL STAR RENTS	1,086.54	SCADA Improvements
039512	10/31/2015	ATT&T	AT&T MOBILITY	298.88	
039513	10/31/2015	BSK4	BSK ASSOCIATES	1,150.00	Sampling-Treatment
039514	10/31/2015	EBERHAR	EBERHART SOFTWARE CONSULTING	190.00	
039515	10/31/2015	EDWARD	EDWARD R. BACON COMPANY, INC	34.68	
039516	10/31/2015	EG FORD	ELK GROVE FORD	1,397.69	Repairs & Maintenance
039517	10/31/2015	FASTENA	FASTENAL COMPANY	25.39	
039518	10/31/2015	FREDER	DAVID FREDERICK	384.18	Clothing Reimbursement
039519	10/31/2015	HALING	CINDY HALING	150.00	
039520	10/31/2015	JAYS	JAY'S TRUCKING SERVICE	4,571.53	(3) Invoices-Materials/Supplies-Colton-Distribution
039521	10/31/2015	NTS	NTS MIKEDON, LLC	2,559.00	(3) Invoices-Rental Equipment-Colton
039522	10/31/2015	PACE	PACE SUPPLY CORP	2,485.32	(4) Materials/ Supplies-Colton
039523	10/31/2015	PEST	PEST CONTROL CENTER INC	80.00	
039524	10/31/2015	PLATT2	PLATT	116.96	
039525	10/31/2015	RADIAL	RADIAL TIRE OF ELK GROVE	123.09	Repairs & Maintenance
039526	10/31/2015	ROOCO	ROOCO RENTS	3,650.40	(7) Invoices-Materials/Supplies-Colton
039527	10/31/2015	ROTH	ROTH STAFFING COMPANIES, L.P.	929.66	Temporary Customer Service Help
039528	10/31/2015	SIERRA	SIERRA OFFICE SUPPLIES	264.62	
039529	10/31/2015	ZOOM	ZOOM IMAGING SOLUTIONS, INC	17.09	
039530	10/31/2015	AERO	AEROTEK PROFESSIONAL SERVICES	745.50	Temporary Customer Service Help
			Total:	**810,264.74**	

Elk Grove Water District
Active Account Information
10/31/2015

	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE
Water Accounts:												
Metered												
Residential	11,669	11,658	11,647	11,637								
Commercial	513	517	518	521								
Fire Service	121	122	122	124								
Total Accounts	12,303	12,297	12,287	12,282	-	-	-	-	-	-	-	-

Elk Grove Water District
Active Account Information
FY 2014/2015

	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE
Water Accounts:												
Non-metered												
Residential	135	133	134	133	107	80	65	21	20	-	-	-
Commercial	47	33	33	35	21	10	10	4	4	-	-	-
Metered												
Residential	11,494	11,484	11,490	11,473	11,479	11,513	11,525	11,579	11,607	11,632	11,651	11,658
Commercial	457	458	459	457	479	492	502	509	512	514	511	512
Fire Service	123	121	121	121	121	121	121	121	121	121	121	121
Total Accounts	12,256	12,229	12,237	12,219	12,207	12,216	12,223	12,234	12,264	12,267	12,283	12,291

Consent
Calendar Item# 2

Consent
Calendar Item# e

Elk Grove Water District

Bond Covenant Status

For Fiscal Year 2015-16

As of October 31, 2015

Operating Revenues:		
Charges for Services	$	4,773,422
Operating Expenses:		
Salaries & Benefits		1,240,955
Seminars, Conventions and Travel		9,830
Office & Operational		292,642
Purchased Water		952,236
Outside Services		211,374
Equipment Rent, Taxes, an Utilities		104,313
Depreciation & Amortization		516,667
Total Operating Expenses		3,328,017
Income From Operations	$	1,445,405

Covenant Number 2

Income From Operations		1,445,405
Add: Depreciation & Amortization Expenses		516,667 *
Total		1,962,072
Interest & Principal Payments		
2,225,240 interest + 1,430,000 principal		1,218,413 *
Coverage Ratio:		
Actual		**1.61**
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
October 31, 2015

	General Ledger Reference	October Activity	October Budget	Variance	%	YTD Activity	Annual Budget	4/12=33.33% Variance	% Realized
Revenues	4100 - 4900	1,175,071	1,115,496	59,575	5.34%	$4,773,422	$13,385,949	($8,612,527)	35.66%
Salaries & Benefits (1)	5100 - 5280	273,015	300,015	(26,999)	-9.00%	$1,240,955	$3,600,175	($2,359,220)	34.47%
Seminars, Conventions and Travel	5300 - 5350	2,519	3,679	(1,160)	-31.53%	$9,830	$44,150	($34,320)	22.27%
Office & Operational	5410 - 5494	41,622	82,767	(41,145)	-49.71%	$292,642	$993,202	($700,560)	29.46%
Purchased Water (2)	5495 - 5495	230,062	240,976	(10,914)	-4.53%	$952,236	$2,891,709	($1,939,473)	32.93%
Outside Services	5505 - 5580	40,921	67,665	(26,745)	-39.52%	$211,374	$811,983	($600,609)	26.03%
Equipment Rent, Taxes, Utilities	5620 - 5760	33,160	36,950	(3,790)	-10.26%	$104,313	$443,400	($339,087)	23.53%
Total Operational Expenses		621,299	732,052	(110,753)	-15.13%	$2,811,351	$8,784,619	($5,973,268)	32.00%
Net Operations		553,772				$1,962,072			
Non-Operating Activity									
Capital Equipment & Expenditures	1705 - 1760	129,167	129,167	0	0.00%	516,667	1,550,000	(1,033,333)	33.33%
Bond Interest Accrued	7300 - 7300	185,437	185,437	0	0.00%	741,747	2,225,240	(1,483,493)	33.33%
Interest Earned	9910 - 9910	871	1,667	(795)	-47.72%	4,472	20,000	(15,528)	22.36%
Other Income	9920 - 9973	260	0	260		41,633	0	41,633	
Revenues in Excess of Expenditures (Net Revenues)		240,300				749,763			
Capital Expenses									
Capital Improvements						241,232			
Capital Replacements						56,305			
Equipment						61,553			
Bond Retirement: $1,430,000						476,667			
Total Capital And Debt Retirement Expenditures						835,758			
Net Position after Capital and Debt Retirement Expenditures						(85,995)			

(1) Approximately of $509,238 of salary & benefit expenses will be capitalized to various capital projects, which will reduce the final operating expenditures
(2) Estimated Expenditures: Purchased Water $230,061.80 in October.

Consent Calendar Item# 4D

Florin Resource Conservation District
CASH - Detail Schedule of Investments
10/31/2015

		Account number / name	Investment Name	Investment Type			Restrictions	Market Value
HELD BY BOND TRUSTEE:								
G/L Account #	**Money Market Fund**							
1130-000-30	Building	BNY 113518 FRCD OB 2003 A/B Rev Fd	Dreyfus Inst Treasury	MM Mutual Fund			Restricted	$ 197,831.31
	Building	BNY 113522 FRCD OB 2003 B SUB IPF	Dreyfus Inst Treasury	MM Mutual Fund			Restricted	0.00
	Building	BNY 113591 FRCD OB 03 A/B O/M RES FD	Dreyfus Inst Treasury	MM Mutual Fund			Restricted	7,615,099.87
1132-000-30	Building	BNY 113594 FRCD OB 03 A/B RES FD	Dreyfus Inst Treasury	MM Mutual Fund			Restricted	460,000.00
	Building	BNY 113598 FRCD 03 A INST PMT FD	Dreyfus Inst Treasury	MM Mutual Fund			Restricted	
	Building	BNY 113599 FRCD OB 03 A SR IPF	Dreyfus Inst Treasury	MM Mutual Fund			Restricted	0.00
1133-000-30	Building	BNY 113601 FRCD 2003 A/B CAR/PAINT EXP	Dreyfus Inst Treasury	MM Mutual Fund			Restricted	3,774.72
1134-000-30	Building	BNY 113602 FRCD 2003 A/B ADMIN EXP FD	Dreyfus Inst Treasury	MM Mutual Fund			Restricted	95.11
1103-000-20	Water	BNY 113757 FRCD 2002 INST PMT SER B	Dreyfus Inst Treasury	MM Mutual Fund			Restricted	2.00
	Water	BNY 113759 FRCD 2002 INST PMT SER B	Dreyfus Inst Treasury	MM Mutual Fund			Restricted	1.01
1102-000-20	Water	BNY 113756 FRCD INST PMT SER A	Dreyfus Inst Treasury	MM Mutual Fund			Restricted	770,219.00
1107-000-20	Water	BNY 113576 FRCD 2003 A CONST FUND	Dreyfus Inst Treasury	MM Mutual Fund			Restricted	0.00
1122-000-20	Water	BNY 113584 FRCD 2005 A CONST FUND	Dreyfus Inst Treasury	MM Mutual Fund			Restricted	0.00
1123-000-20	Water	BNY 113585 FRCD 2005 A INST PM	Dreyfus Inst Treasury	MM Mutual Fund			Restricted	192,418.68
1121-000-20	Water	BNY 113586 FRCD 2005 A RATE STAB	Dreyfus Inst Treasury	MM Mutual Fund			Restricted	0.00
	Water	BNY 113587 FRCD 2005 A RES FD	Dreyfus Inst Treasury	MM Mutual Fund			Restricted	1.00
1101-000-20	Water	BNY 113764 FRCD 2002 A/B RATE STABILIZATION	Dreyfus Inst Treasury	MM Mutual Fund			Restricted	0.00
1108-000-20	Water	BNY 892747 FRCD 2014A COI	Dreyfus Inst Treasury	MM Mutual Fund			Restricted	0.00
1109-000-20	Water	BNY 892745 FRCD 2014A REDEMPTION	Dreyfus Inst Treasury	MM Mutual Fund			Restricted	0.00
1110-000-20	Water	BNY 892744 FRCD 2014A DEBT SERVICE	Dreyfus Inst Treasury	MM Mutual Fund			Restricted	9,145.84
							Subtotal	**$ 9,248,588.54**
1001-000-20	Water	CASH ON HAND					Unrestricted	**$ 300.00**
	HELD BY RIVER CITY BANK:							
1010-000-10	FRCD	RCB 1111057982 CHECKING ACCOUNT					Unrestricted	124,307.23
1010-000-20	Water	RCB 1111063486 GENERAL CHECKING					Unrestricted	841,803.03
1020-000-20	Water	RCB 1111028001 MONEY MARKET					Unrestricted	4,918,491.50
1030-000-20	Water	RCB 1111025851 CHARGE CARD ACCOUNT					Unrestricted	546,596.01
1040-000-20	Water	RCB 1111096589 HIGH YIELD MONEY MARKET					Unrestricted	1,382,506.96
1050-000-20	Water	RCB 1111099502 DEBT SERVICE ACCOUNT					Unrestricted	4.21
1060-000-20	Water	RCB 1111097844 PAYROLL ACCOUNT					Unrestricted	208,822.92
1070-000-20	Water	RCB 1111097933 WEB PAYMENT RECEIPTS					Unrestricted	1,247,937.89
							Subtotal	**$ 9,270,469.75**
1080-000-20	Water	Office of the Treasurer - Sacramento California	LAIF	Investment Pool	Unrated	N/A	Unrestricted	**$ 2,838,545.86**
							Total	**$ 21,357,904.15**
							Total Restricted	**$ 9,248,588.54**
							Total Unrestricted	**$ 12,109,315.61**

Consent Calendar Item#

Consultant Expenses
October 31, 2015

Fiscal Retainer Contracts

Consultant	Description	Current Month	Paid to date	Budget/Contract Amount	Percent of year (33%)
Best Best, & Krieger**	Task orders	13,209	32,030	130,000	24.64%
Solutions by BG, Inc.	Task orders	10,303	41,797	124,636	33.54%

Project Specific Contracts

Consultant	Description	Current Month	Paid to date	Budget/Contract Amount	Percent of Contract Amount
AECOM	ERP		63,534	74,720	85.03%
MC Engineering, Inc	AMI Study		14,780	23,680	62.42%

*Capital Projects

**Legal Cost detail - FY 14/15

Operations	
FRCD/EDC	$ 42,289
Litigation	
Other	
TOTAL	42,289

Consent Calendar Item# 6

December 16, 2015

TO: Chairman and Directors of the Florin Resource Conservation District

FROM: Stefani Phillips, Secretary

SUBJECT: **COMMITTEE MEETINGS**

RECOMMENDATION

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

Summary

There were no committee meetings held in the month of November 2015.

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

There were no committee meetings held in the month of November 2015, therefore minutes were not produced.

FINANCIAL SUMMARY

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

Respectfully Submitted,

STEFANI PHILLIPS,
FLORIN RESOURCE CONSERVATION DISTRICT BOARD SECRETARY

SP

December 16, 2015

TO: Chairman and Directors of the Florin Resource Conservation District

FROM: Mark Madison, General Manager

SUBJECT: **FLORIN RESOURCE CONSERVATION DISTRICT CONSERVATION ACTIVITIES – DECEMBER 2015**

RECOMMENDATION

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

Summary

The Board has requested a monthly summary of Florin Resource Conservation District conservation activities performed by the Board and Staff.

DISCUSSION

Background

Board members and staff periodically perform community services within the Florin Resource Conservation District (FRCD) boundaries in keeping with the purpose of the FRCD.

Present Situation

Staff continued to work with Kampa Consulting to complete a needs assessment for the FRCD. Two Stakeholder meetings were held on October 27 and three public workshops were held November 17-19 to obtain input on activities that the FRCD might pursue.

Kampa Consulting has prepared the attached summary report for the Board's review and information. This report briefly summarizes the outreach efforts made to date and the pertinent input received through these efforts. Additional contacts are still required and a more detailed report is expected in early January.

STRATEGIC PLAN CONFORMITY

Participation in regional conservation outreach is in conformity with the District's conservation and cooperative program 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

Attachment

FLORIN RESOURCE CONSERVATION DISTRICT
SERVICE NEEDS ASSESSMENT
PROJECT OVERVIEW AND UPDATE REPORT
DECEMBER 1, 2015

Project Status

The following activities have been conducted in support of the Florin RCD Needs Assessment scope of work. All service concepts, ideas, public and stakeholder input received during the process are being documented, researched and evaluated during the initial stages of the project; without regard to their ability for funding or implementation. During the process of receiving input, all project participants were informed that new services will require new funding sources, and that Elk Grove Water District funding cannot be spent to deliver unrelated services outside the Elk Grove boundaries.

Stakeholder and public input received has been very informative, especially once the attendees were provided an overview of the services provided by other RCDs and the possibility of FRCD taking on similar additional services locally, so long as no competing interest is already providing the service, there is a high level of public need and support for service funding. The information below is a summary only, and the final report will be all-inclusive:

1) Held **Stakeholder meetings** and received direct, relevant input from:
    - Rob Schwartz - Lower American River IRWMP/Regional Water Authority
    - Don Lockhart - Sacramento LAFCO

   These initial meetings led to substantial research and additional outreach on the potential opportunities for the FRCD to partner and/or participate in:

   a) Groundwater recharge as a new water supply and to remedy land subsidence
   b) Land conservation opportunities related to groundwater recharge, stormwater management for recharge purposes, watershed and water quality improvement, and wildlife habitat enchantment
   c) Groundwater banking as a result of groundwater recharge activities
   d) Educational opportunities related to water conservation and urban gardening

2) Conducted **in person and phone meetings** with the following stakeholders. Efforts continue to contact and engage all remaining stakeholders from the master list.
    - Charlotte Mitchell, Sac County Farm Bureau
    - Barbara Washburn, Laguna Creek Watershed Council

- Gary Goodman, General Manager with Sacramento-Yolo Mosquito & Vector Control District
- Dwane Coffey, NRCS
- Rob Smith, Building Industry
- Carl Werder, Groundwater Authority
- Jeff Ramos, Consumnes CSD

3) **In person meetings planned** for December 11, 2015 with the following:
   - Rob Donlan, Nature Conservancy
   - Bart McDermott, Stone Lakes Wildlife Refuge

4) **Conducted public forums** on November 17, 18 and 19 at Wackford Community Center, Splash Center, and Elk Grove Library, respectively. During the meetings, significant public input was received regarding potential service needs and opportunities, including:
   a) Support services for new land development projects, in partnership with Sacramento County and developers. Services of this type are funded by development fees, direct expenses by developers, special taxes, assessments and/or fees levied by a district (or county service area) on newly created properties. Opportunities include:
      i) Agricultural land and water conservation
      ii) Wetland mitigation banking which involves conserving and potentially improving wetland areas through formal arrangements with the state and funded by development projects (inside or) outside the FRCD boundaries
      iii) Managing mitigation lands and related improvements, including activities such as community gardens
      iv) Land conservation for wildlife, water quality and wetlands
      v) Wetlands, stream and vernal pool improvements
   b) Community educational opportunities on water supply, water conservation, wildlife, and environmental issues in partnership and support of existing nonprofit organizations. Community education is typically funded with grant seed money, and fees charged to attendees.
   c) Water conservation education and activities as a means to support water supply development to support the future economy. These services are typically funded under agreements with water agencies, the IRWMP or RWA, and/or grant funded.

5) Developed and updated the project **website** www.FRCDstudy.com including the development of a service needs survey. The survey results continue to roll in and will be analyzed and used to support the Needs Assessment recommendations.

6) Conducting **research** on current examples of successful RCD services, funding means and opportunities for FRCD.

Media Contact

Each of the following were notified of the project and meeting by email and follow up emails and phone calls:

- Posted on more than a dozen *nextdoor.com* neighborhood websites, which include Mather, Vineyard, Cosumnes, Florin, Fruitridge, Elk Grove, Meadowview and several south Sacramento neighborhoods, Cordova, and Galt.
- *Mather Alliance* contacted by email and phone.
- *Galt Herald and Elk Grove Citizen*: Confirmed to have run in the Elk Grove Citizen.
- *Sac Bee:* article published in community calendar.
- KFBK: Mark Madison conducted an interview.
- Supervisor Nottoli's website for District 5 –has forum release as first news item under hot topics. Supervisor Nottoli attended the November 18 public forum at Splash Center.

Needs Assessment Report

As detailed in the project proposal and approved scope of work, the final report will contain the following sections:

- **Executive Summary** – providing an overview of the project, process, results and recommendations
- **Introduction** – Description of the scope of work and approach used in report development
- **Background** – Identification of existing services provided and goals and objectives to be accomplished
- **Identification** of service gaps and community needs
- **Opportunities**, process and funding
- Recommended **implementation** approach

Current Activities and Schedule

1. Ongoing contact with stakeholders with final round of meetings scheduled in Sacramento area for December 11, 2015.

2. In response to public and stakeholder input, continuing research into successful service models, cost and funding

3. Drafting Needs Assessment Report – rough draft can be made available for presentation during the FRCD December 16, 2015 Regular Board meeting[i] . Final draft report estimated for distribution on January 4, 2015.

---

[i] Due to December 16, 2015 meeting timing, the draft report will not include findings or recommendations from 12-11-15 stakeholder meetings

December 16, 2015

TO: Chairman and Directors of the Florin Resource Conservation District

FROM: Ellen Carlson, Management Analyst

SUBJECT: **ELK GROVE WATER DISTRICT CONSERVATION ACTIVITIES – OCTOBER AND NOVEMBER 2015**

RECOMMENDATION

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

Summary

Service Area 1 reduced its water consumption by 31.62% in October and 40.22% in November. Service Area 2 reduced by 22.21% and 34.45% for the same period. These figures are in comparison to October and November in 2013. The combined reductions for October and November were 28.24% and 37.91%, respectively. The cumulative reduction since June 2015, now totals 35.23% which is significantly above the District's target of 28%.

DISCUSSION

Background

The District remains at a Stage 2 Plus – Extreme Water Warning of the Water Shortage Contingency Plan. Staff conduct daily patrols looking for signs of water waste violations. Fourteen patrols, once each morning and another in the evening are completed every week.

Present Situation

Current water use reduction status

In compliance with the State of California's Emergency Drought Regulations, Elk Grove Water District continues at a Stage 2 Plus – Extreme Water Warning of the Water Shortage Contingency Plan. The table attached to this report show the production figures

for 2013 and the year to date for 2015 with the reduction percentages both for the month and cumulative for the 2015-2016 year.

Rules and requirements

The Stage 2 Plus restrictions include:

- Irrigation is limited to two days a week, designated by the property address
- All irrigation is prohibited between 10 AM and 6 PM
- No irrigation is permitted during or up to 48 hours after measurable rainfall
- No runoff or gutter flooding is permitted
- No use of a hose to wash a motor vehicle, unless the hose is fitted with a shut off nozzle
- No washing down driveways or sidewalks
- Water is served in restaurants only on request

Enforcement

Airborne Securities continues to patrol every night from 6 PM until 2 AM. They also patrol on weekends from 4 AM until noon. Internal staff is patrolling weekdays from 4 AM until 1:30.

EGWD issued 258 water waste notices in November. Twenty one Administrative Citations were issued in November, and eleven were waived for Water School attendance. The District hosted a Water School on December 2. Nine people attended, seven of whom are EGWD customers.

Public outreach

EGWD purchased ad space in a special section published by the Elk Grove Citizen for the Cosumnes Community Services District 30th anniversary. EGWD congratulated CSD not only for its anniversary, but also for saving over 45 million gallons of water in 2015.

In compliance with Demand Management Measures referenced in the California Water Code (Division 6, Section 10631), the Sacramento County Water Agency (SCWA) has continued to pay for landscape irrigation audit and Water Wise house calls. Such

conservation assistance meets requirements for wholesale agency assistance programs. SCWA has notified the District that this benefit may be discontinued due to exhaustion of their budget. SCWA intends to suspend services to their customers through the month of January. They plan to negotiate a new contract with the vendor that provides these conservation services and resume landscape irrigation audits and Water Wise house calls in February.

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,

ELLEN CARLSON
MANAGEMENT ANALYST

Attachments

Elk Grove Water District Water Usage

	Monthly Production (gallons)											
2013	January	February	March	April	May	June	July	August	September	October	November	December
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	January	February	March	April	May	June	July	August	September	October	November	December
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	
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	
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	
% Reduction	10.48%	22.18%	10.27%	18.97%	38.91%	40.48%	40.53%	36.82%	30.99%	28.24%	37.91%	
% Cumulative Reduction						**40.48%**	**40.51%**	**39.27%**	**37.42%**	**35.98%**	**35.23%**	

*Notes

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

Attachment 1

Attachment 2

RWA Drought Summary October 2015

REDUCTION BY VOLUME (Million Gallons)

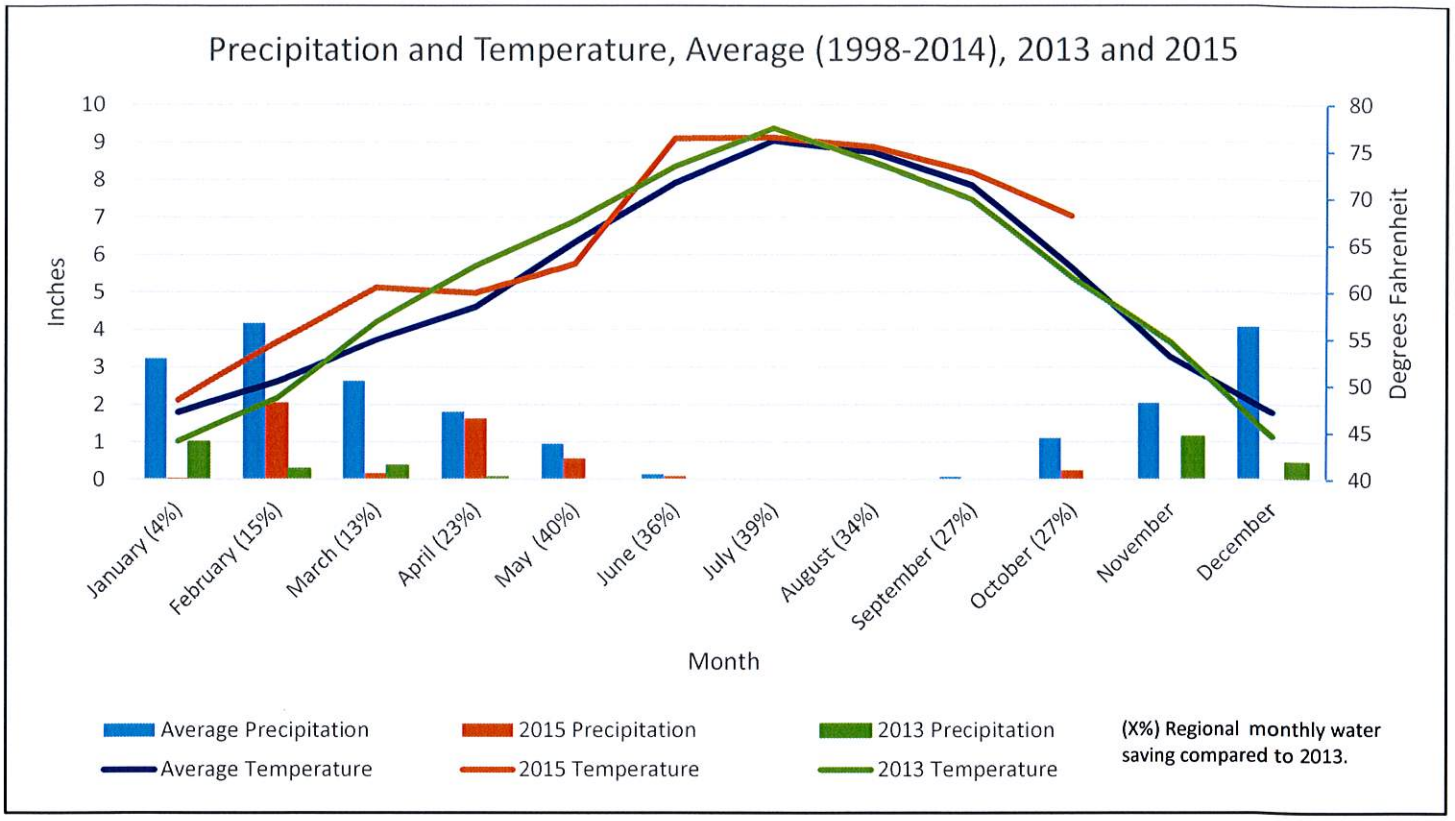
	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Total
2015	6,714	6,179	8,781	9,282	10,536	12,419	13,789	13,866	12,560	10,759			104,886
2013	6,958	7,228	10,087	12,100	17,433	19,488	22,418	20,859	17,316	14,836			148,724
%	3.5%	14.5%	13.0%	23.3%	39.6%	36.3%	38.5%	33.5%	27.5%	27.5%			**29.5%**

STATE WATER BOARD WATER SAVINGS TRACKING (Million Gallons)

	Jan.	Feb.	June	July	August	Sept.	Oct.	Nov.	Dec.	Total
2015/16			12,419	13,789	13,866	12,560	10,759			63,393
2013			19,488	22,418	20,859	17,316	14,836			94,917
%			36.3%	38.5%	33.5%	27.5%	27.5%			**33.2%**

REDUCTION BY AGENCY (Data compared to 2013)

Water Agency	Conservation Target	Oct. 2015 Reduction	June-Oct. 2015 Reduction
California American Water	20%	30.0%	36.8%
Carmichael Water District	36%	30.6%	34.1%
Citrus Heights Water District	32%	29.2%	37.0%
City of Davis	28%	22.6%	27.1%
City of Folsom	32%	22.8%	28.5%
City of Lincoln	32%	26.2%	33.5%
City of Roseville	28%	35.5%	36.6%
City of Sacramento	28%	27.1%	31.6%
City of West Sacramento	28%	23.8%	35.9%
City of Woodland	24%	19.4%	32.2%
City of Yuba City	32%	16.5%	28.4%
Del Paso Manor Water District	25%	25.1%	34.0%
El Dorado Irrigation District	28%	25.8%	29.0%
Elk Grove Water District	28%	28.2%	36.0%
Fair Oaks Water District	36%	29.4%	35.1%
Golden State Water Company	36%	25.1%	34.7%
Orange Vale Water Company	36%	32.8%	37.1%
Placer County Water Agency	32%	25.6%	30.9%
Rancho Murieta CSD	25%	19.9%	27.4%
Rio Linda/Elverta CWD	36%	25.6%	34.4%
Sacramento County Water Agency	32%	33.1%	37.6%
Sacramento Suburban WD	32%	28.4%	33.9%
San Juan Water District	36%	26.0%	37.0%
Average	30.5%	26.5%	33.4%
Minimum	20.0%	16.5%	27.1%
Maximum	36.0%	35.5%	37.6%



Water Agency	2015 Residential Gallons Per Capita Per Day (R-GPCD)									
	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sept.	Oct.
California American Water	105	109	129	81	82	106	106	110	101	86
Carmichael Water District	73	78	114	126	162	136	192	200	203	172
Citrus Heights Water District	85	83	108	117	129	163	176	172	160	140
City of Davis	60	62	80	87	88	101	108	112	114	103
City of Folsom	85	86	107	139	143	176	195	195	186	154
City of Lincoln	76	78	111	88	110	145	142	175	152	127
City of Roseville	53	56	69	85	84	97	119	122	118	101
City of Sacramento	64	62	87	85	100	117	136	136	115	104
City of West Sacramento	57	67	74	100	106	110	118	119	110	103
City of Woodland	60	65	59	65	84	103	101	104	104	87
City of Yuba City	90	94	113	123	128	142	147	143	130	123
El Dorado Irrigation District	79	71	104	102	134	169	231	169	224	117
Elk Grove Water District	57	60	79	85	93	105	114	112	112	93
Fair Oaks Water District	85	85	125	136	156	201	227	225	214	172
Golden State Water Company	122	108	104	115	125	155	158	163	164	144
Orange Vale Water Company	100	100	151	159	179	238	269	267	243	189
Placer County Water Agency	103	101	127	151	145	168	183	203	162	126
Rancho Murieta CSD	91	118	126	138	132	210	213	237	218	172
Rio Linda/Elverta CWD	98	101	113	141	169	216	229	219	199	155
Sacramento County Water Agency	82	81	109	118	117	122	127	127	121	108
Sacramento Suburban WD	73	66	100	87	94	136	132	141	126	90
San Juan Water District	106	113	191	233	283	334	402	380	332	291
Sacramento Regional Average	**78**	**77**	**102**	**102**	**112**	**135**	**150**	**149**	**139**	**114**

December 16, 2015

TO: Chairman and Directors of the Florin Resource Conservation District

FROM: Mark J. Madison, General Manager

SUBJECT: **ELK GROVE WATER DISTRICT OPERATIONS REPORT – OCTOBER 2015**

RECOMMENDATION

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

Summary

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

All regulatory requirements were met for the month of October. 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 October 2015 Operations Report.

Present Situation

The EGWD October 2015 Operations Report highlights are as follows:

- **Operations Activities Summary** – Information yielded in this section is derived from the District's Cityworks database. Notable items in the activities summary are that the District hung 547 door hangers for past due balances which resulted in 72 shutoffs.

- **Production** – The Combined Total Service Area 1 production graph on page 13 shows that production during the month of October decreased compared to

October 2014 and is also approximately 32 percent less than what was produced in 2013. The production decrease remains due to the drought and customer water use reductions. The Total Demand/Production for both service areas on page 14 shows that customer use during the month of October, compared to October 2013 was down by 28 percent.

- **Static and Pumping Level Graphs** – The 4th quarter soundings are shown and indicate the static water levels in deeper zones have 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 October:

  - Treatment staff replaced a hypo-dosing pump at the RRWTP due to malfunction.
  - Staff completed the standard operating procedures for the Hampton WTP.
  - Staff began to group alarm tags into separate groups in order to improve the alarm history query tool on SCADA.

- **Backflow Prevention Program 2015** –There were 31 notices issued for the month, 26 devices passed on the initial test and, only 1 device failed on the initial test then passed after repairs were made and, only 4 secondary notices were issued. There are a **total** of 12 outstanding devices, 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 Utility Department installed no service lines for residential services for the month.

- **Service and Main Leaks Map** – There were 6 service line leaks and 3 main line leaks 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

Attachment

EGWD

OPERATIONS REPORT

October 2015

Elk
Grove
Water
District

Elk Grove Water District
A DEPARTMENT OF THE
Florin Resource Conservation District

Elk Grove Water District

Operations Report

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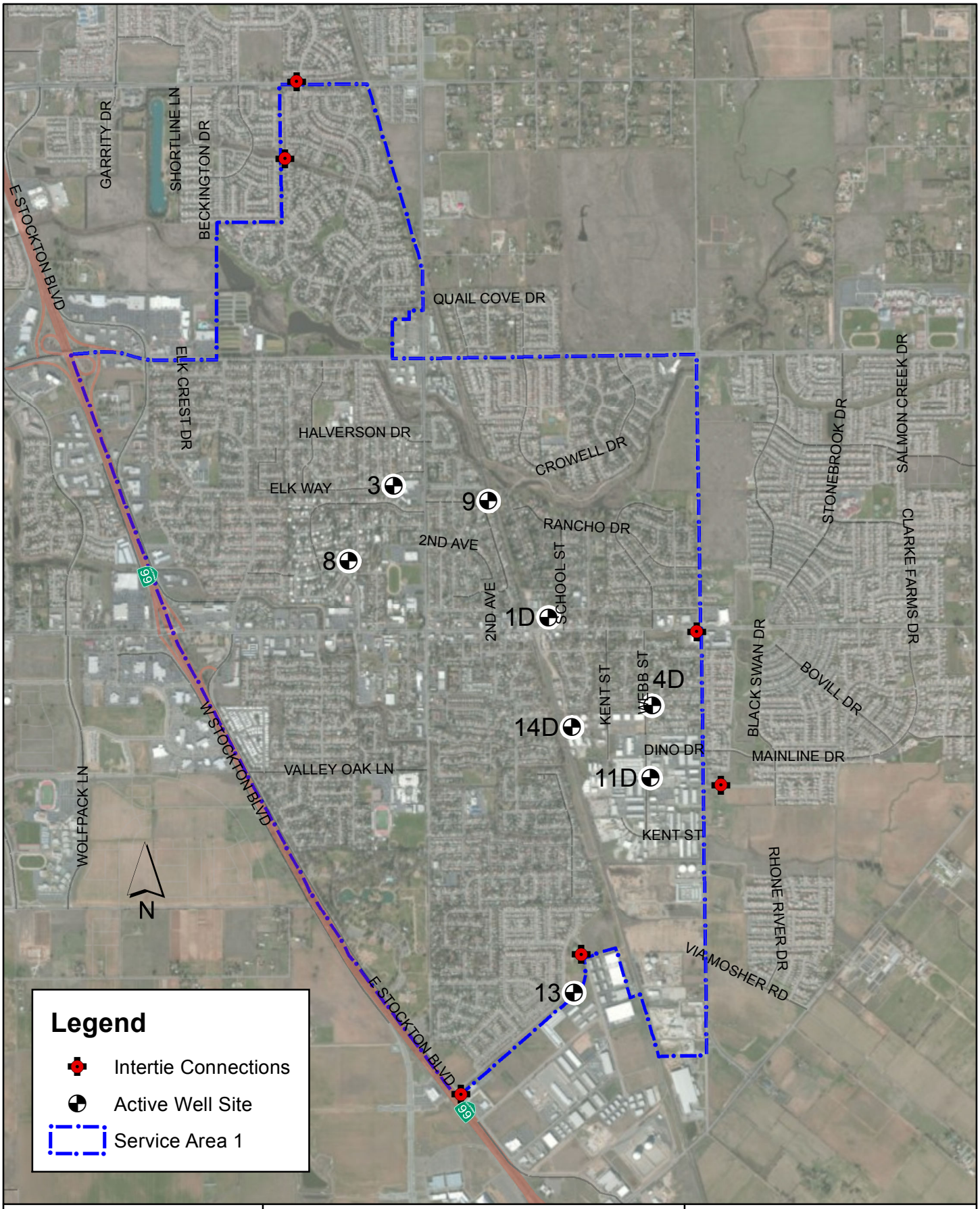
Operations Activities Summary

Service Requests:	Oct-15		YTD (Since July 1, 2015)	
Department	Service Request	Hours	Service Request	Hours
Distribution				
Door Hangers	547	24.3	1981	77.24
Shut offs	72	12.5	224	32.02
Turn ons	79	6.8	250	29.45
Investigations	36	16.42	152	86.74
USA Locates	161	40.25	545	136.25
Customer Complaints				
-Pressure	4	3.75	6	5
-Water Quality	5	2.25	7	3.75
-Other	0	0	0	0

Work Orders:	Oct-15		YTD (Since July 1, 2015)	
Department	Work Orders	Hours	Work Orders	Hours
Treatment:				
Preventative Maint.	12	29	48	165.5
Corrective Maint.	3	54	15	118
Water Samples	19	35	51	126
Distribution:				
Meters Installed	1	0.5	1	0.5
Backflow Devices Installed	0	0	9	31
Preventative Maint.				
-Hydrant Flushing Program	0	0	0	0
-Hydrant Maintenance	51	51	191	180.7
-Valve Exercising	92	26	477	125
-Other	0	0	0	0
Corrective Maint.				
-Leaks	9	131.5	29	412
-Other	16	154.5	94	438.5
Valve Locates	1	4	3	65
Utility:				
Service Line Replacement	0	0	54	992
Corrective Maint.	0	0	7	362



Active Well Sites & Intertie Connections

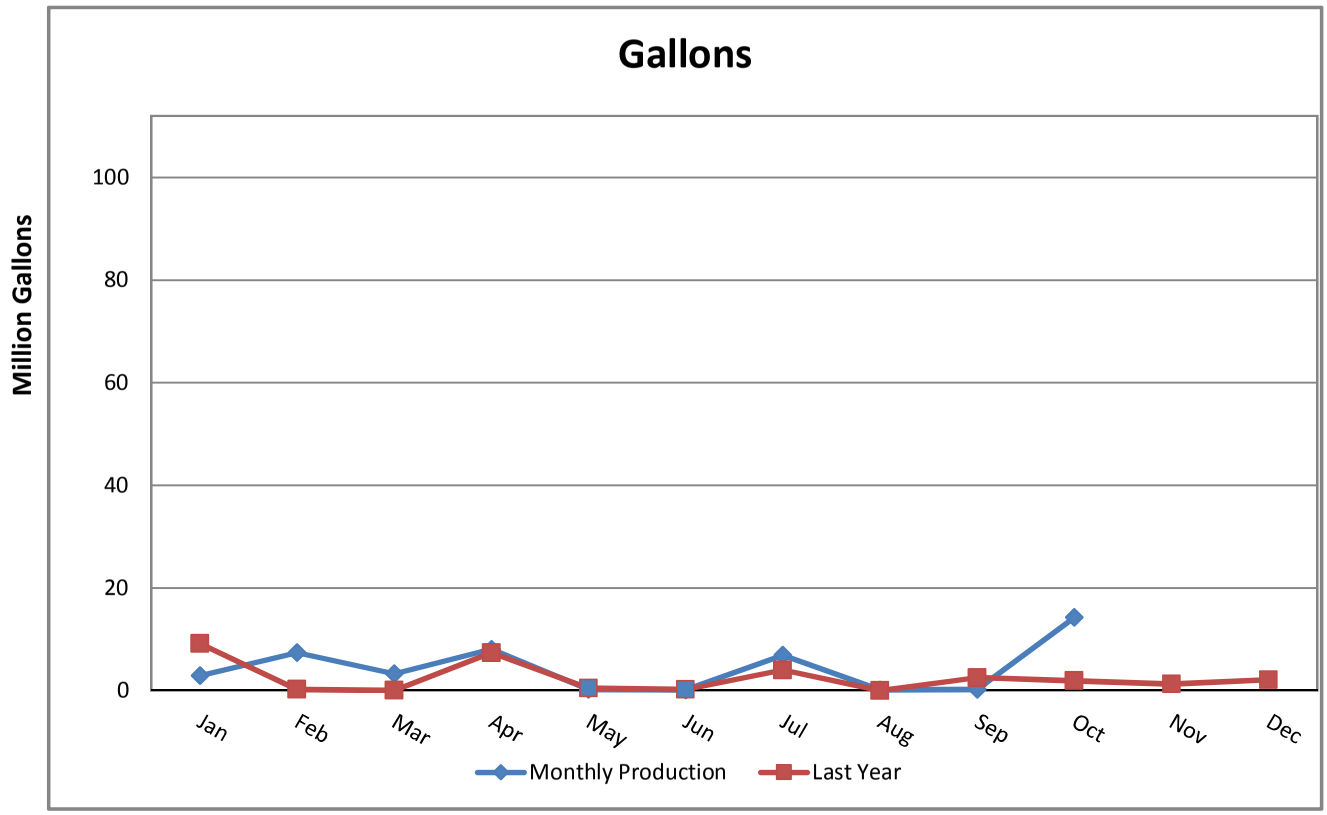
0 1,250 2,500 5,000 Feet

Elk Grove Water District

Elk Grove Water District

Monthly Production

Well 1D School -- Oct. 2015



Selected Month Production
14,238,063 Gallons

Average GPM:
1,756

Motor:	
Volts:	471
Volts (Rated):	460
RPM:	2111
RPM (Rated):	2115
Amps A:	181
Amps A (Rated):	222
Amps B:	177
Amps B (Rated):	222
Amps C:	173
Amps C (Rated):	222
Motor Temp:	125.2 F
Hour Meter:	135.10
KW Hour Total:	17,280.00

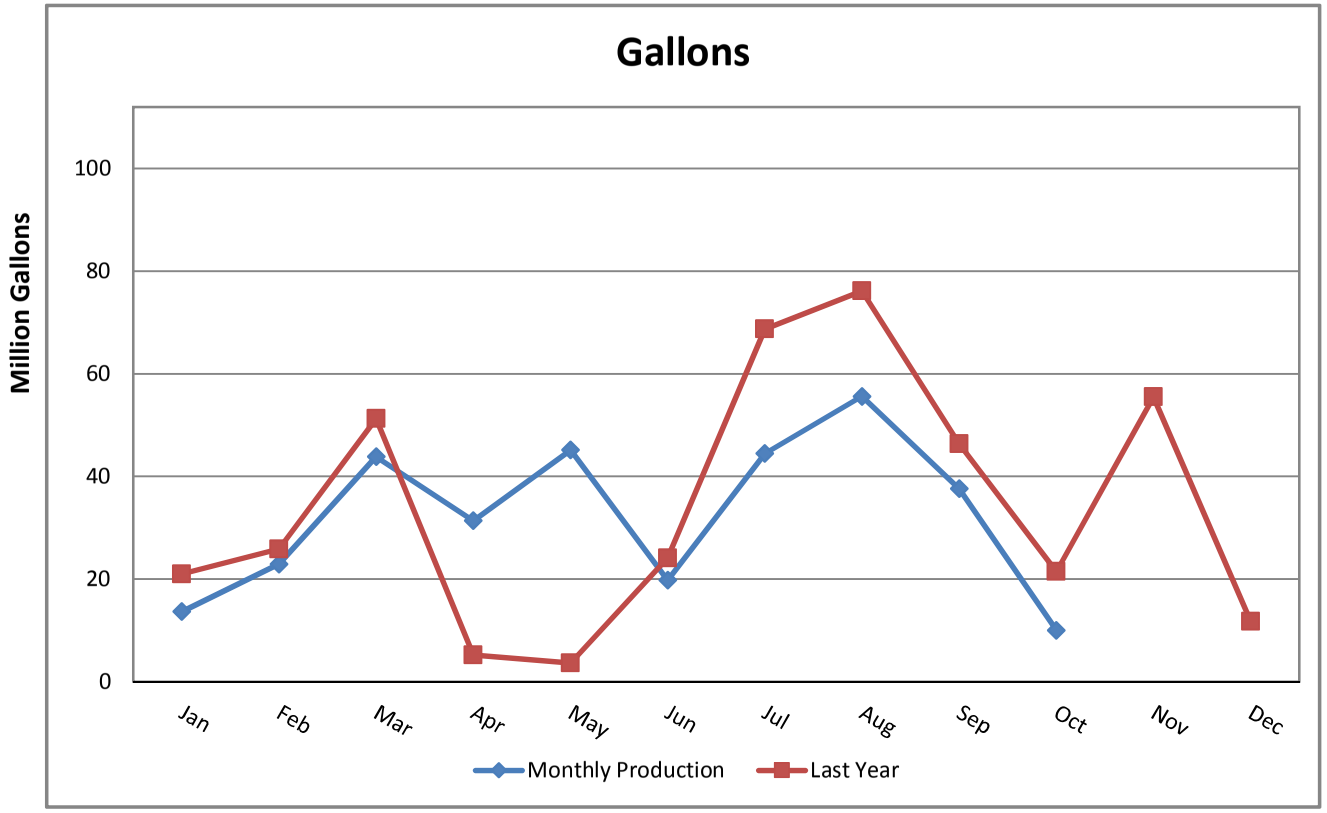
Chlorine:	
Dosing:	1.63
Demand:	0.81
Residual:	0.82

Vibration Reading:	
Base Line:	0.05
Current:	0.07

Elk Grove Water District

Monthly Production

Well 4D Webb -- Oct. 2015



Selected Month Production
10,005,705 Gallons

Average GPM:
1,703

Motor:

Volts:	479
Volts (Rated):	460
RPM:	1833
RPM (Rated):	1775
Amps A:	177
Amps A (Rated):	225
Amps B:	176
Amps B (Rated):	225
Amps C:	177
Amps C (Rated):	225
Motor Temp:	128 F
Hour Meter:	97.90
KW Hour Total:	14,400.00

Chlorine:

Dosing:	1.67 mg/L
Demand:	0.86 mg/L
Residual:	0.81 mg/L

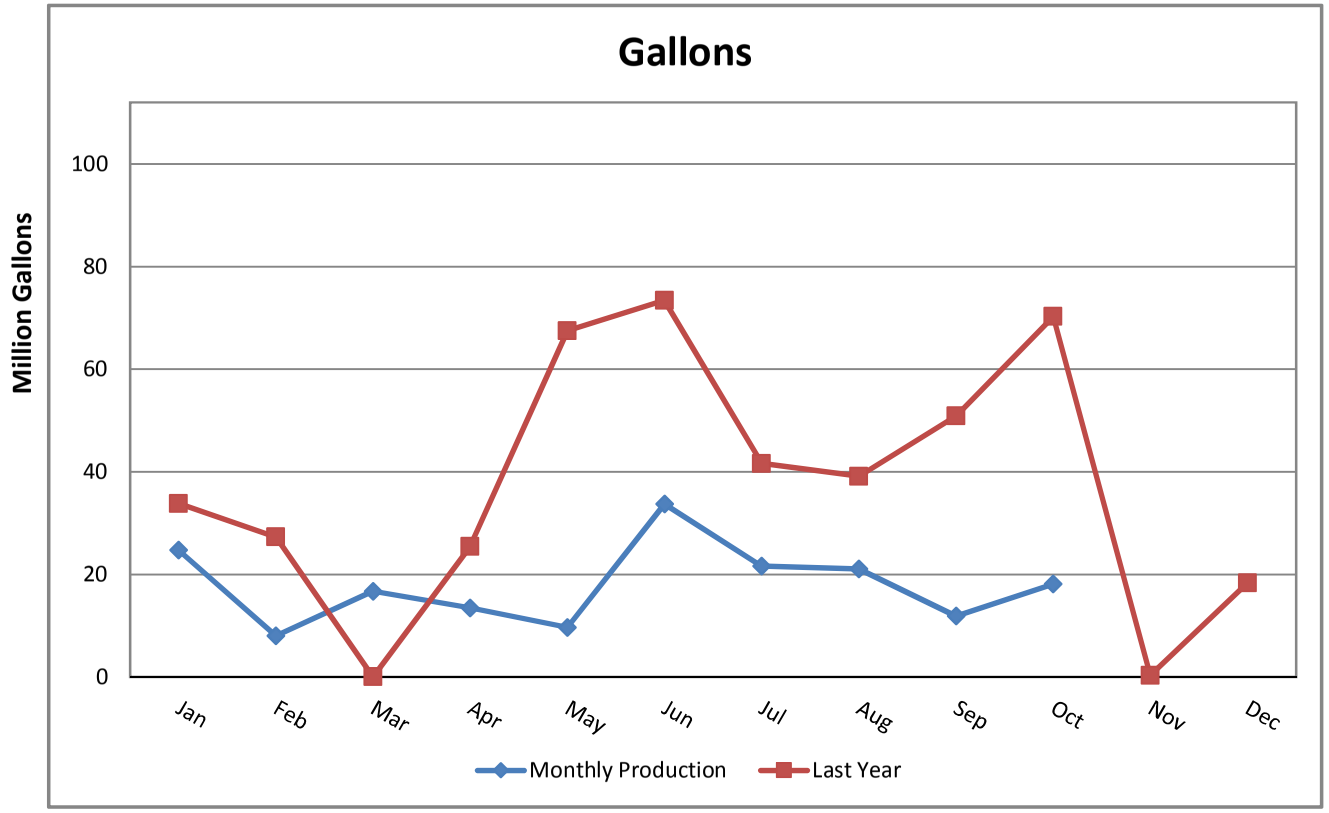
Vibration Reading:

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

Elk Grove Water District

Monthly Production

Well 11D Dino -- Oct. 2015



Selected Month Production
18,135,452 Gallons

Average GPM:
1,701

Motor:

Volts:	471
Volts (Rated):	460
RPM:	1997
RPM (Rated):	1775
Amps A:	203
Amps A (Rated):	225
Amps B:	203
Amps B (Rated):	225
Amps C:	205
Amps C (Rated):	225
Motor Temp:	98 F
Hour Meter:	177.60
KW Hour Total:	26,520.00

Chlorine:

Dosing:	1.7 mg/L
Demand:	0.9 mg/L
Residual:	0.8 mg/L

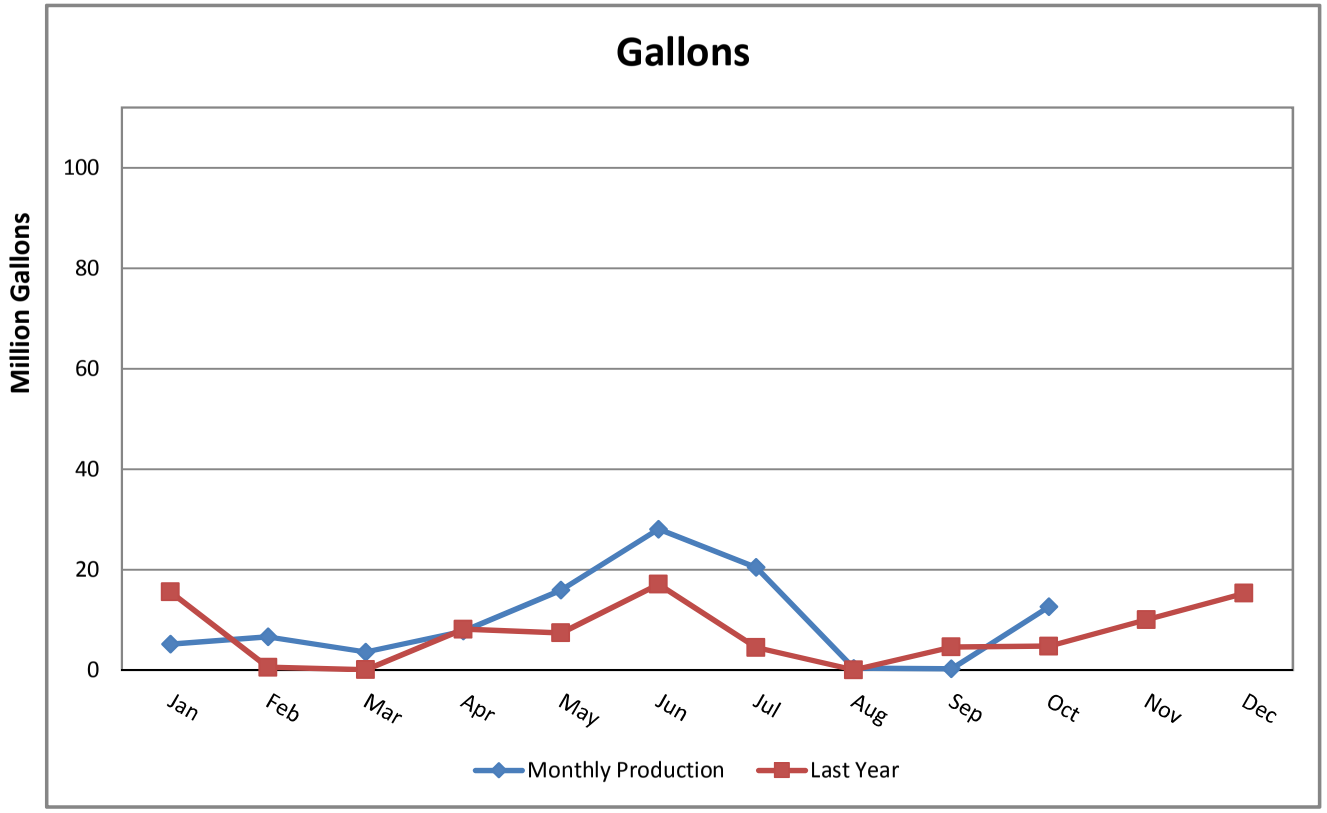
Vibration Reading:

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

Elk Grove Water District

Monthly Production

Well 14D Railroad -- Oct. 2015



Selected Month Production
12,617,759 Gallons

Average GPM:
1,558

Motor:

Volts:	480
Volts (Rated):	479
RPM:	2115
RPM (Rated):	2005
Amps A:	164
Amps A (Rated):	171
Amps B:	161
Amps B (Rated):	171
Amps C:	157
Amps C (Rated):	171

Motor Temp.:	118.7 F
Hour Meter:	134.90
KW Hour Total:	61,440.00

(KWH total is for the entire facility)

Chlorine:

Dosing:	1.73 mg/L
Demand:	0.91 mg/L
Residual:	0.82 mg/L

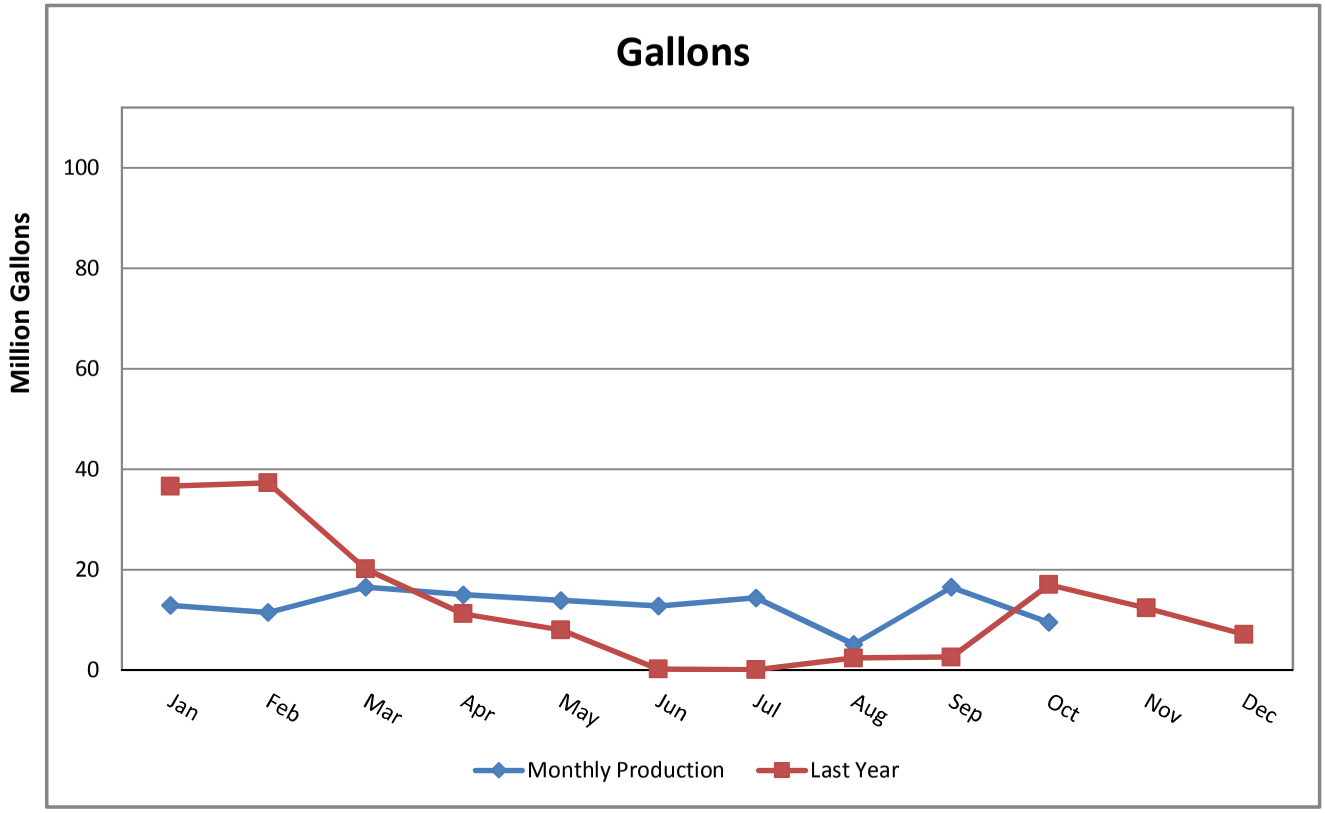
Vibration Reading:

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

Elk Grove Water District

Monthly Production

Well 3 Mar-Val -- Oct. 2015



Selected Month Production
9,496,000 Gallons

Average GPM:
910

Motor:

Volts:	478
Volts (Rated):	479
RPM:	1990
RPM (Rated):	1954
Amps A:	90
Amps A (Rated):	88
Amps B:	87
Amps B (Rated):	88
Amps C:	89
Amps C (Rated):	88
Motor Temp.:	135.6 F
Hour Meter:	173.90
KW Hour Total:	10,759.00

Chlorine:

Dosing:	1.22 mg/L
Demand:	0.51 mg/L
Residual:	0.69 mg/L

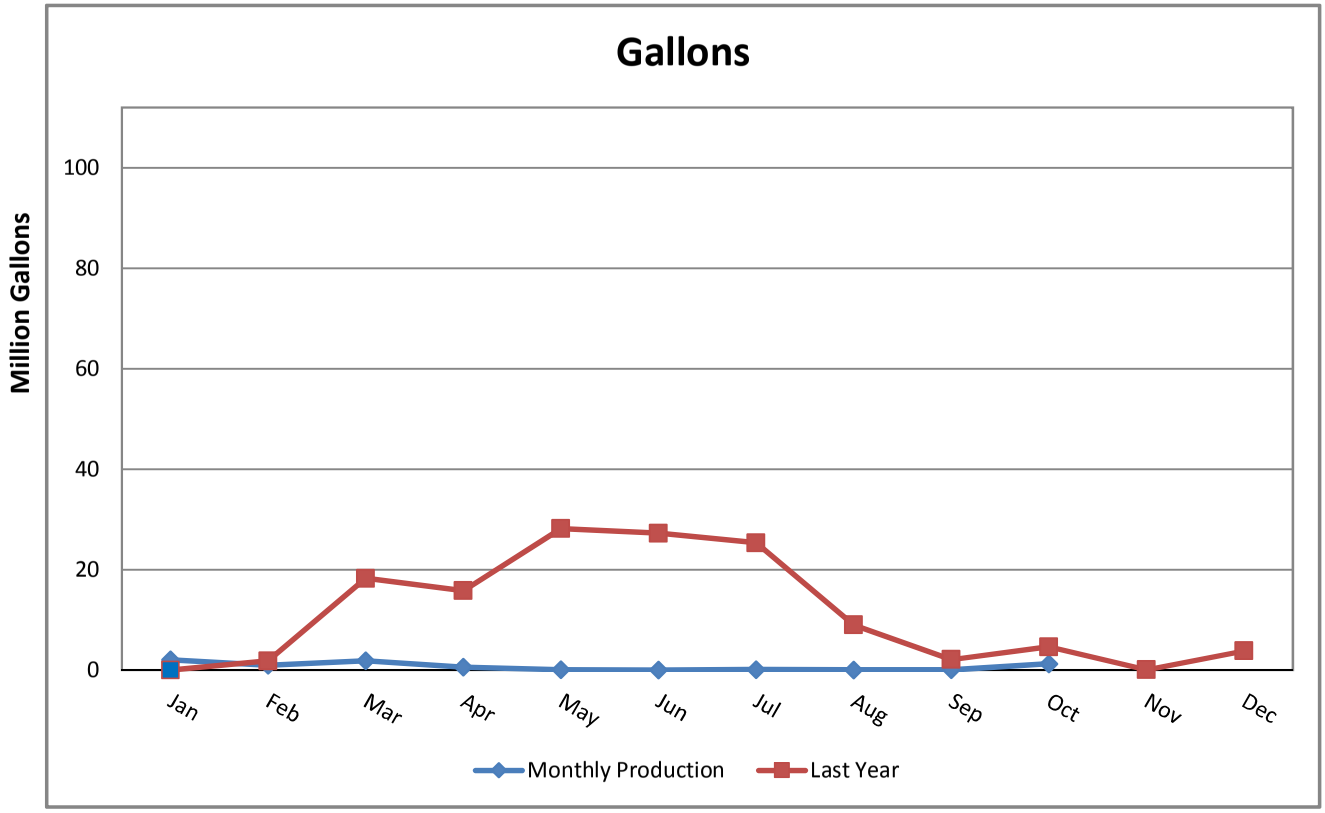
Vibration Reading:

Base Line:	0.02 in/sec
Current:	0.15 in/sec

Elk Grove Water District

Monthly Production

Well 8 Williamson -- Oct. 2015



Selected Month Production
1,239,000 Gallons

Average GPM:
839

Motor:

Volts:	459
Volts (Rated):	460
RPM:	1987
RPM (Rated):	1780
Amps A:	88
Amps A (Rated):	87
Amps B:	86
Amps B (Rated):	87
Amps C:	86
Amps C (Rated):	87

Motor Temp.:	123.5 F
Hour Meter:	24.60
KW Hour Total:	1,725.00

Chlorine:

Dosing:	1.71 mg/L
Demand:	0.98 mg/L
Residual:	0.73 mg/L

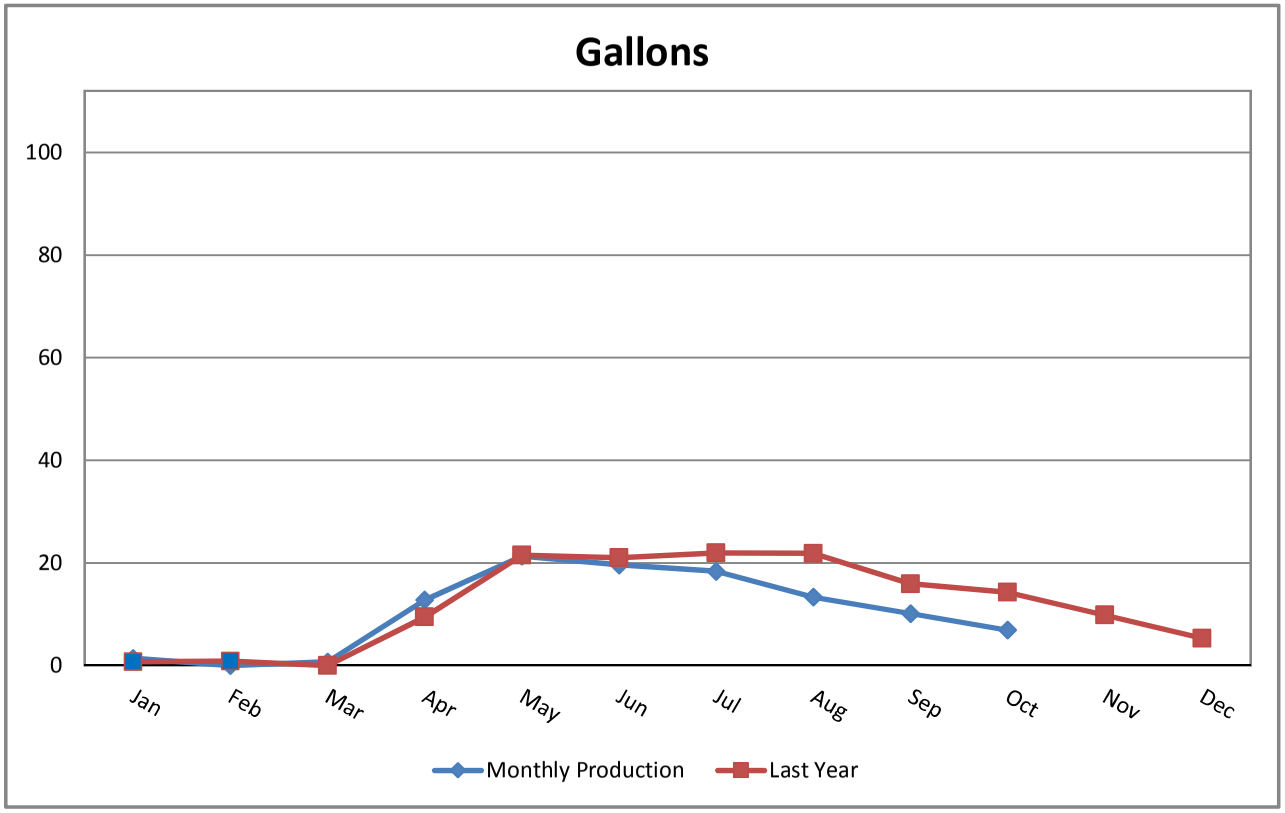
Vibration Reading:

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

Elk Grove Water District

Monthly Production

Well 9 Polhemus -- Oct. 2015
(Submersible)



Selected Month Production
6,908,000 Gallons

Average GPM:
490

Motor:

Volts:	486
Volts (Rated):	460
Amps A:	58
Amps A (Rated):	65
Amps B:	58
Amps B (Rated):	65
Amps C:	62
Amps C (Rated):	65
Hour Meter:	234.50
KW Hour Total:	9,352.00

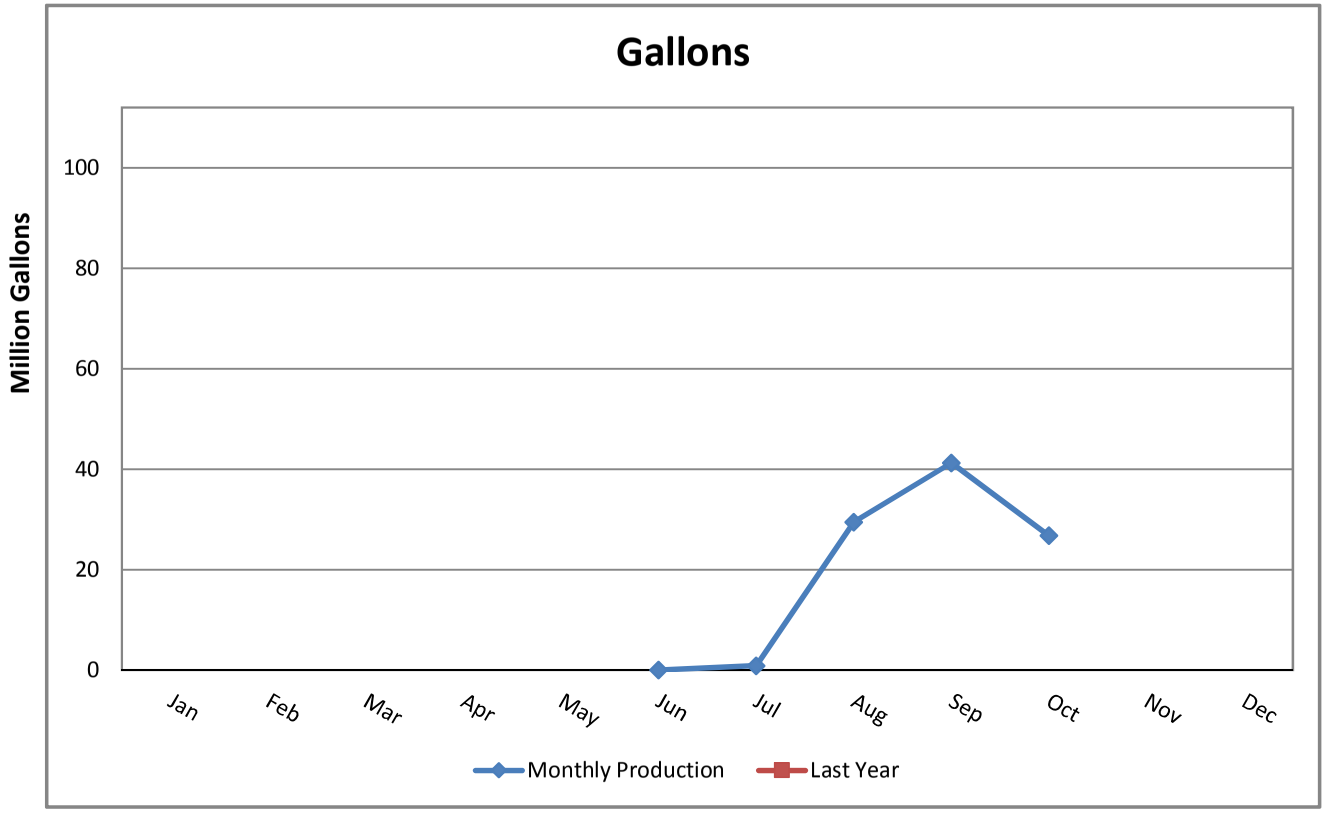
Chlorine:

Dosing:	1.78 mg/L
Demand:	0.97 mg/L
Residual:	0.81 mg/L

Elk Grove Water District

Monthly Production

Well 13 Hampton -- Oct. 2015



Selected Month Production
26,745,754 Gallons

Average GPM:
940

Motor:

Volts:	480
Volts (Rated):	460
RPM:	2101
RPM (Rated):	1785
Amps A:	85
Amps A (Rated):	142
Amps B:	86
Amps B (Rated):	142
Amps C:	85
Amps C (Rated):	142

Motor Temp.:	135.6 F
Hour Meter:	474.20
KW Hour Total:	35,940.00

Chlorine:

Dosing:	1.79 mg/L
Demand:	0.77 mg/L
Residual:	1.02 mg/L

Vibration Reading:

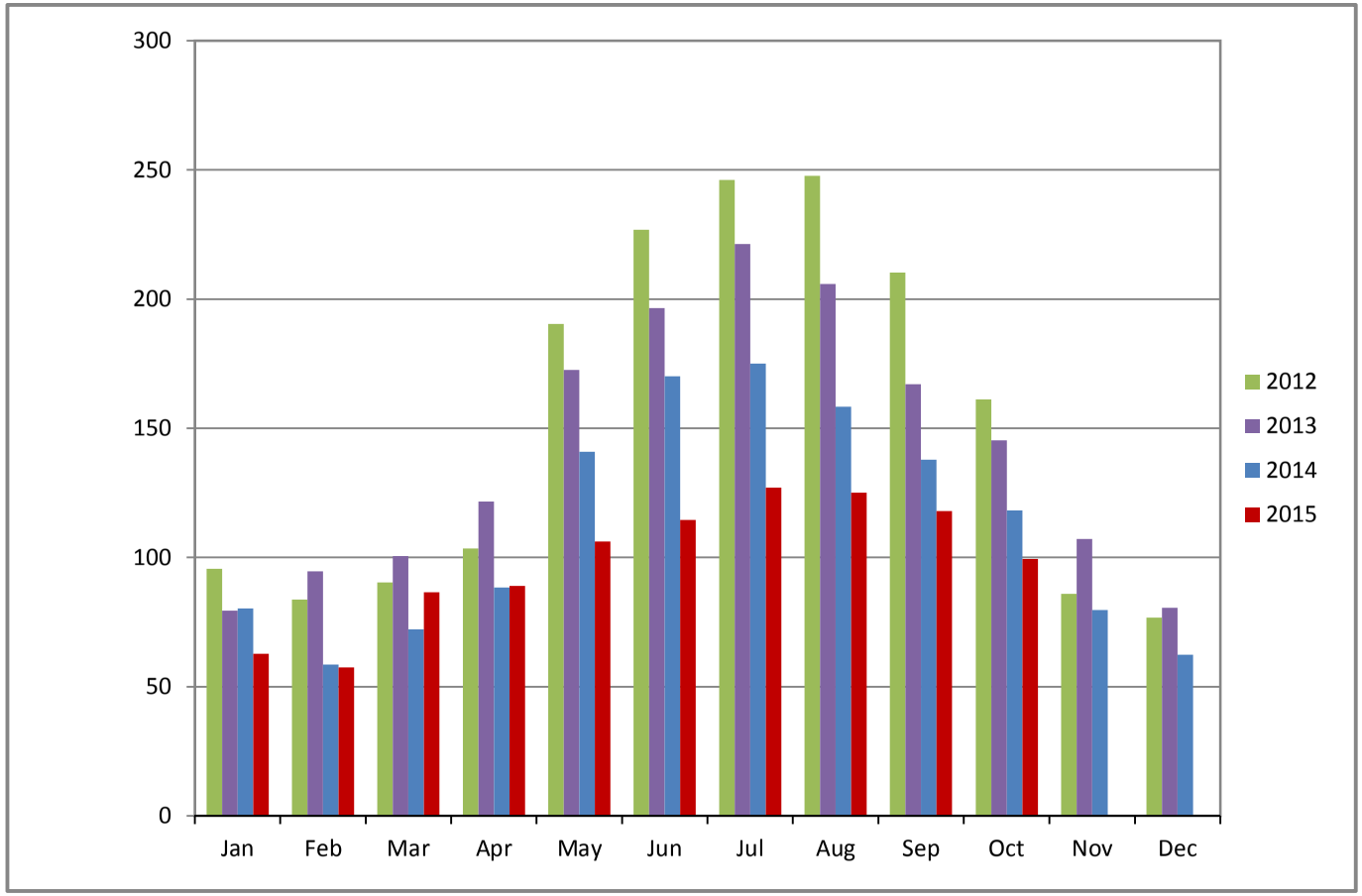
Base Line:	0.02 in/sec
Current:	0.02 in/sec

Elk Grove Water District

Combined Total Production

Service Area 1

Oct-2015



Current Month Production:
99,385,733 Gallons

Highest Day Demand of the Month:	Date of Occurance
4,079,000	13-Oct-15

Highest Day Demand of the Calender Year:	Date of Occurance
5,279,082	28-Jul-15

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

Current Month:	0.12 in
Year To Date:	0.12 in

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

October 2014	0.17 in
Year To Date:	0.17 in
Last Year Total:	15.43 in

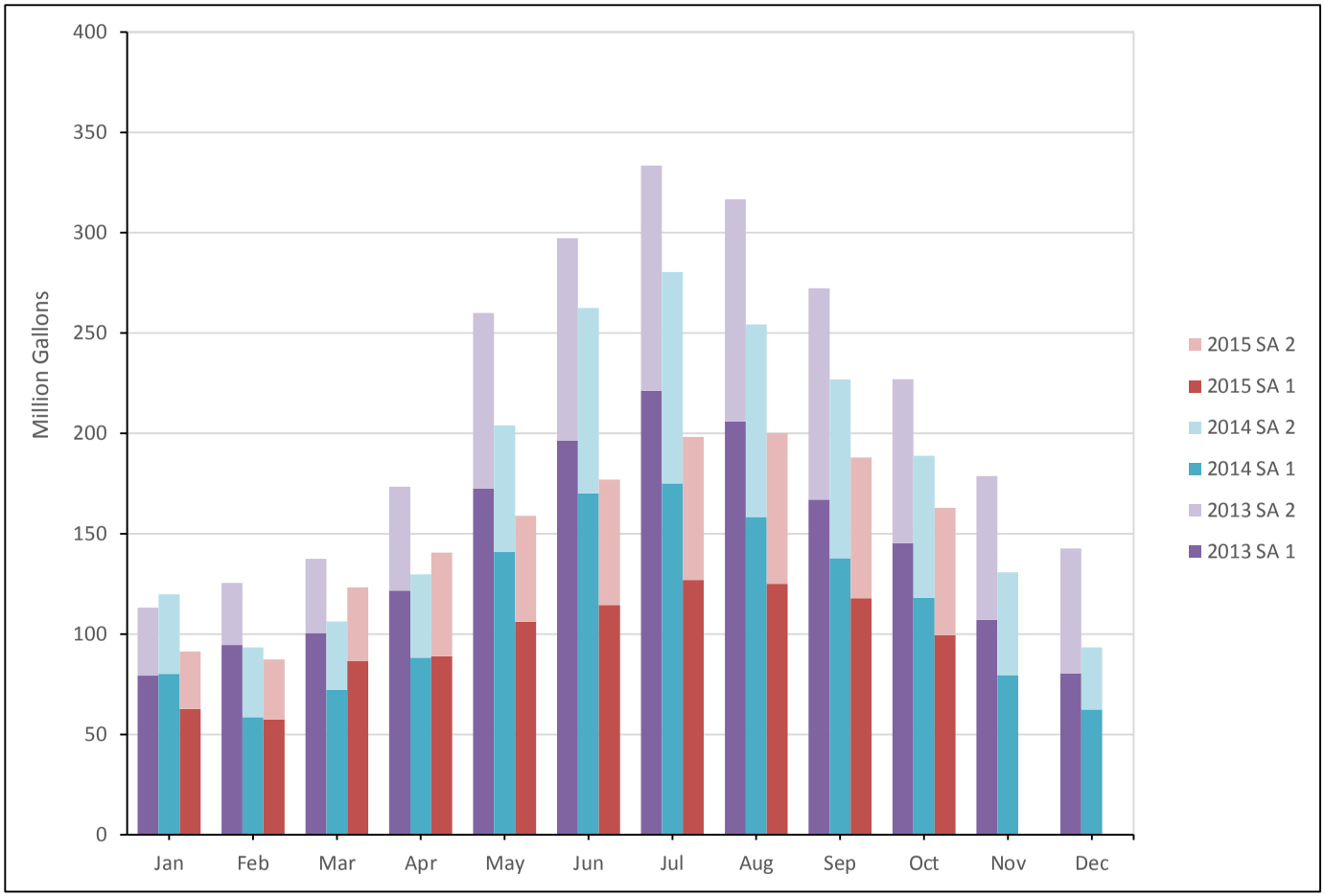
Temperature:

This Month High	96 F
This Month Low	48 F
OCT-14 High	97 F
OCT-14 Low	47 F

Elk Grove Water District

Total Demand/Production

Oct-2015



Current Month Demand/Production:
162,912,625 Gallons
Reduction From Oct. 2013: 28.24%
GPCD: 119.0 Gallons per Day
R-GPCD: 92.9 Gallons per Day

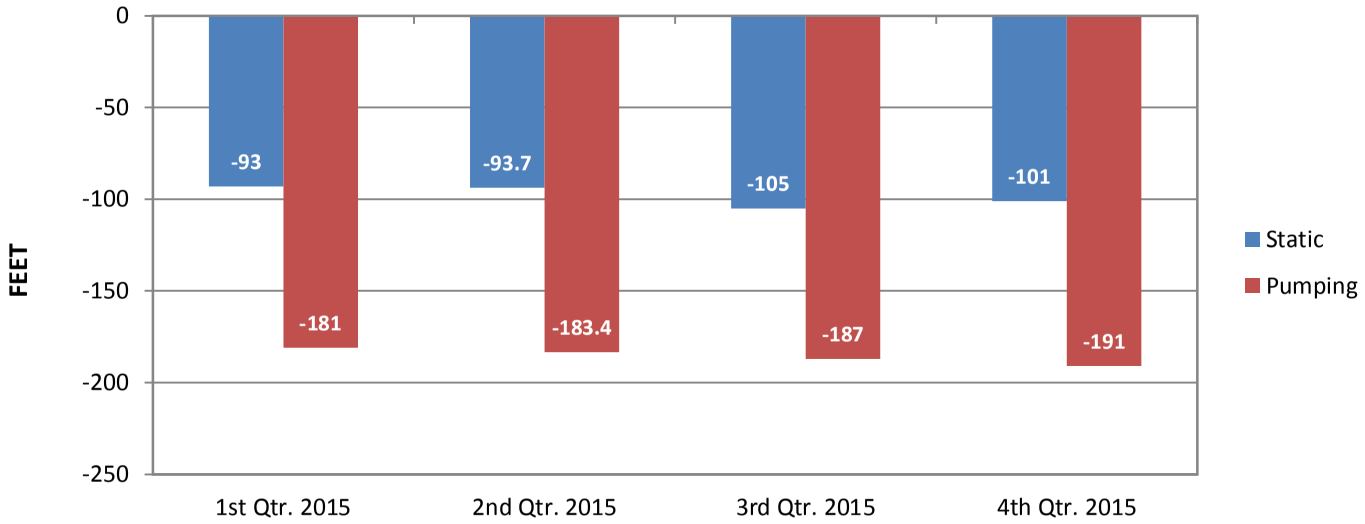
Service Area 1
Active Connections: 7,896
Current Month Demand/Production:
99,385,733 Gallons
GPCD: 112.9 Gallons per Day
R-GPCD: 90.3 Gallons per Day

Service Area 2
Active Connections: 4,259
Current Month Demand/Production:
63,526,892 Gallons
GPCD: 130.1 Gallons per Day
R-GPCD: 96.3 Gallons per Day

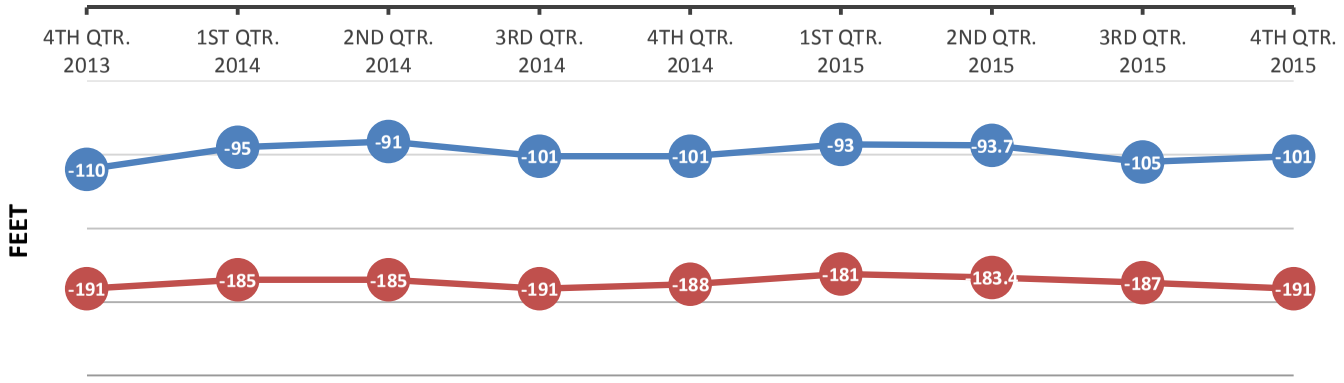
Elk Grove Water District

Static and Pumping Levels

Well 1D School St



Sounding Quarter/Year



Latest Well Sounding

Static:	101 Ft
Pumping:	191 Ft
Drawdown:	90 Ft
GPM:	1,792.00
Specific Capacity:	19.911

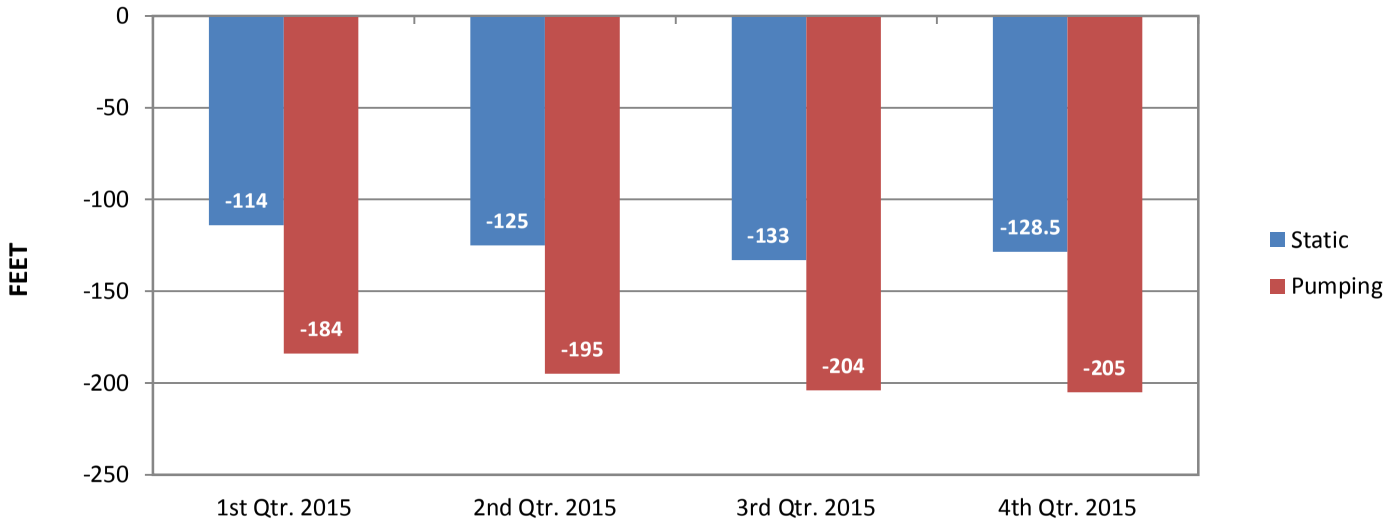
Latest Sand Tester Results:

15 Min:	< 5 ppm

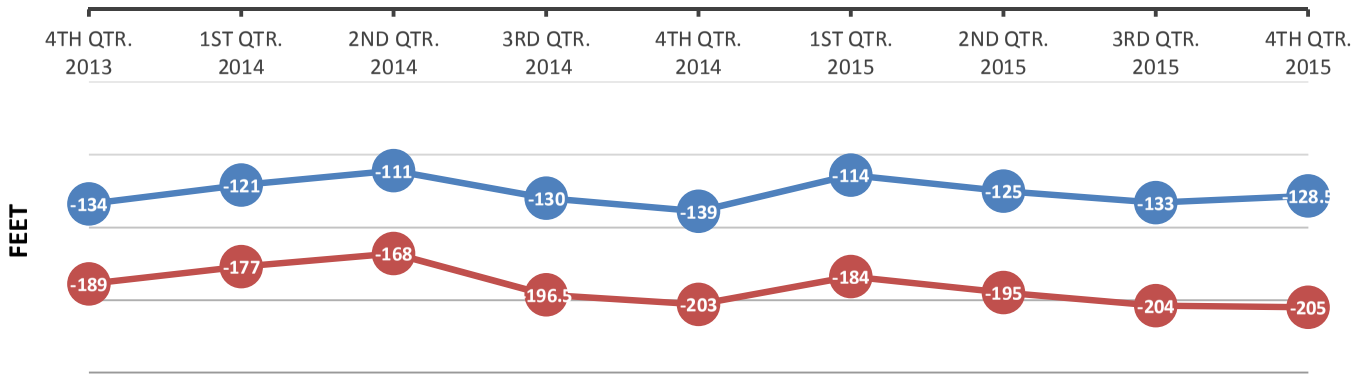
Elk Grove Water District

Static and Pumping Levels

Well 4D Webb St



Sounding Quarter/Year



Latest Well Sounding

Static:	128.5 Ft
Pumping:	205 Ft
Drawdown:	76.5 Ft
GPM:	1,613.00
Specific Capacity:	21.085

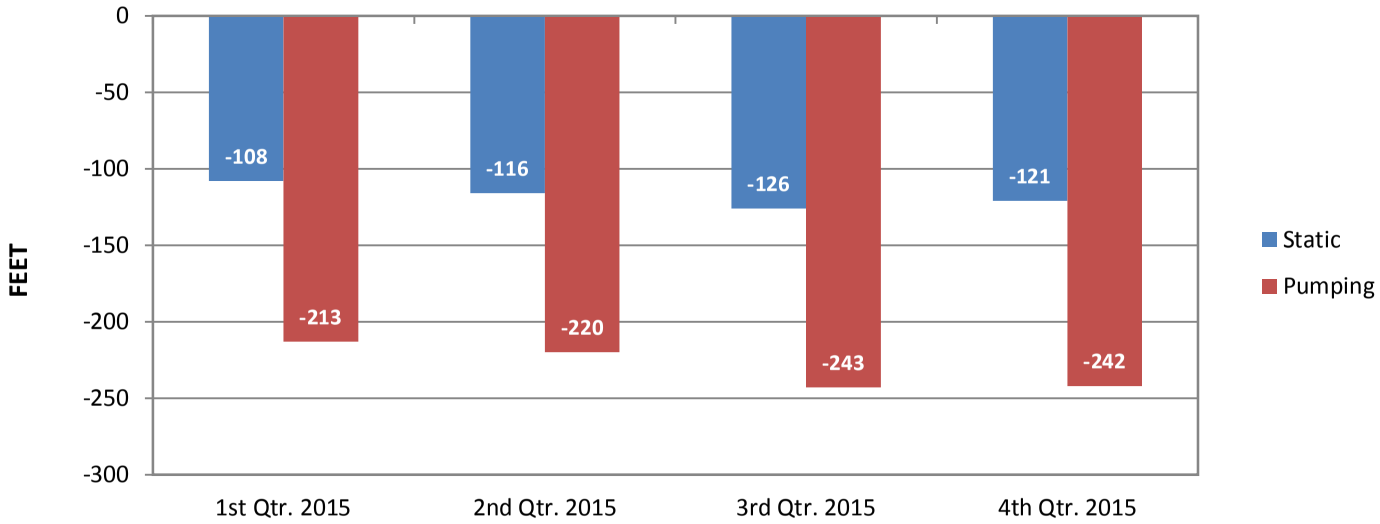
Latest Sand Tester Results:

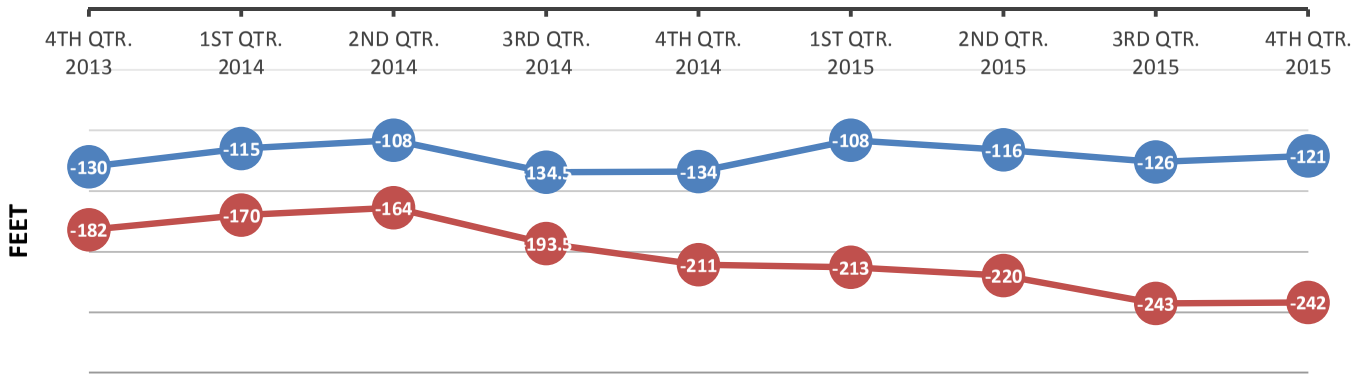
15 Min: < 5 ppm

Elk Grove Water District

Static and Pumping Levels

Well 11D Dino





Latest Well Sounding

Static:	121 Ft
Pumping:	242 Ft
Drawdown:	121 Ft
GPM:	1,684.00
Specific Capacity:	13.917

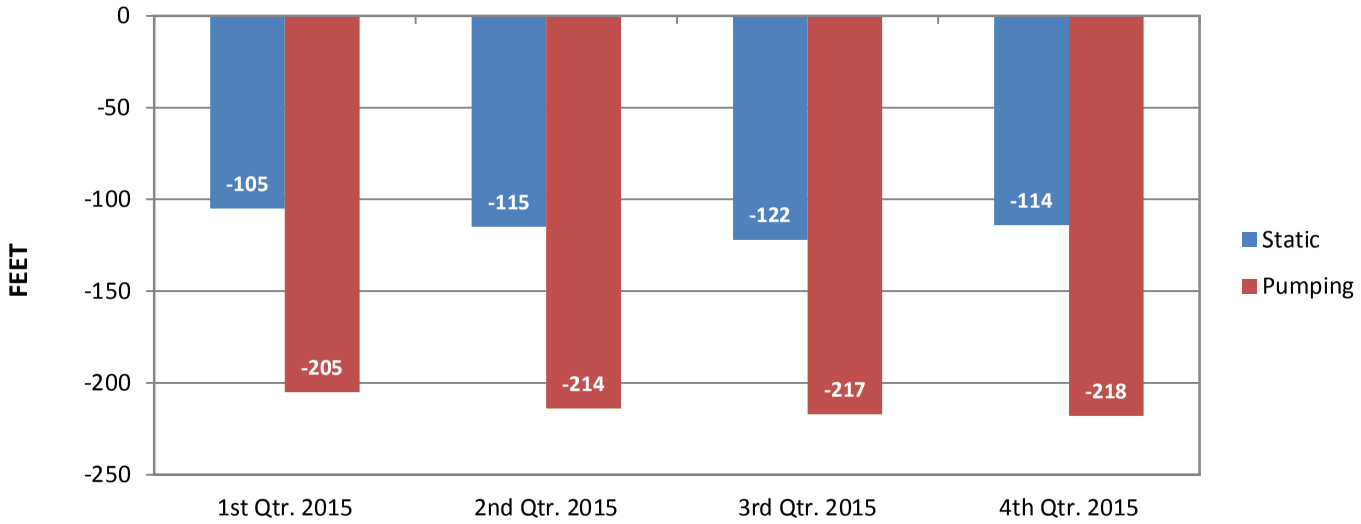
Latest Sand Tester Results:

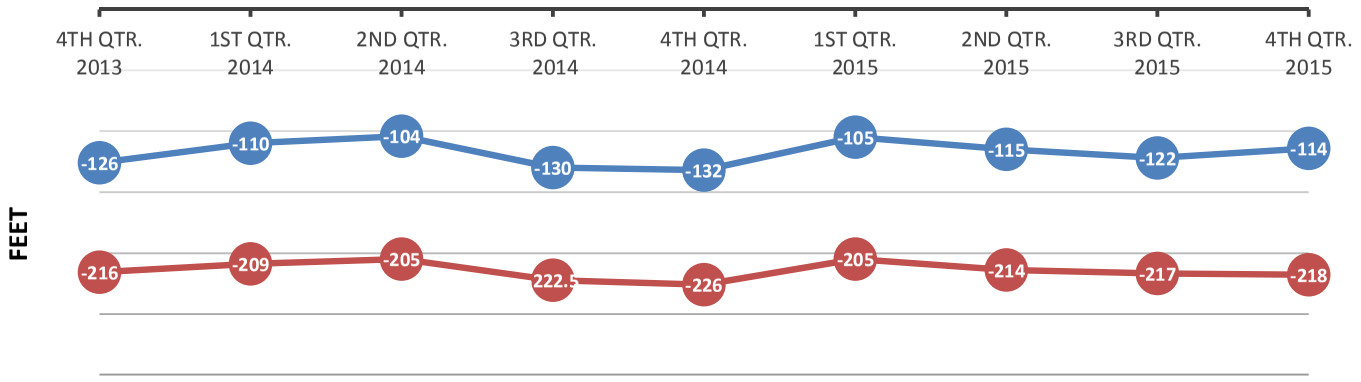
15 Min: < 5 ppm

Elk Grove Water District

Static and Pumping Levels

Well 14D Railroad





Latest Well Sounding

Static:	114 Ft
Pumping:	218 Ft
Drawdown:	104 Ft
GPM:	1,587.00
Specific Capacity:	15.260

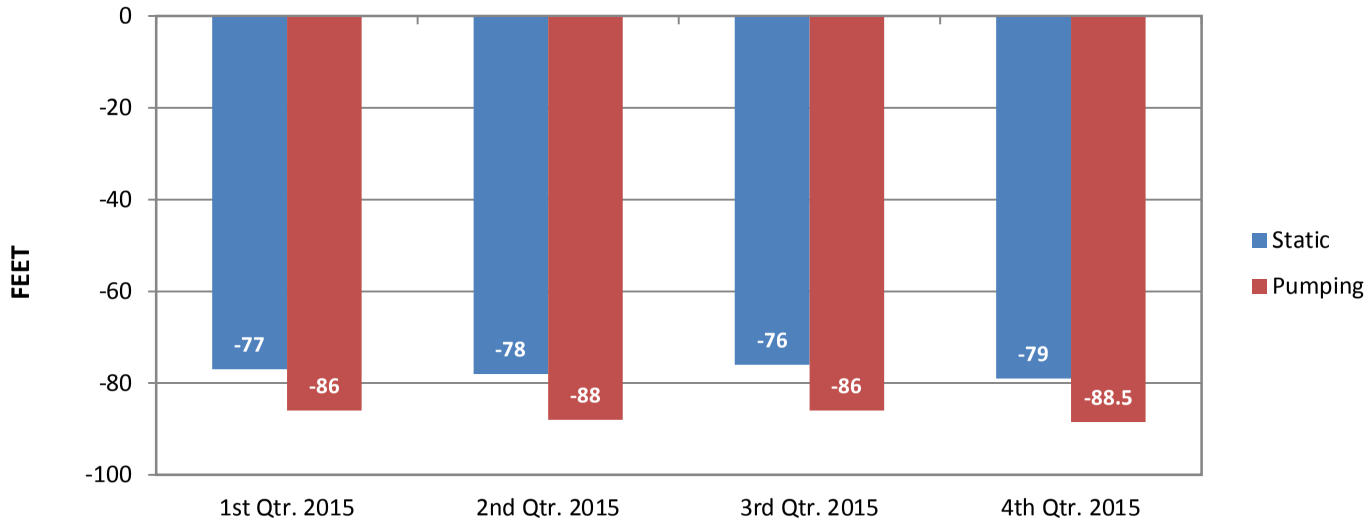
Latest Sand Tester Results:

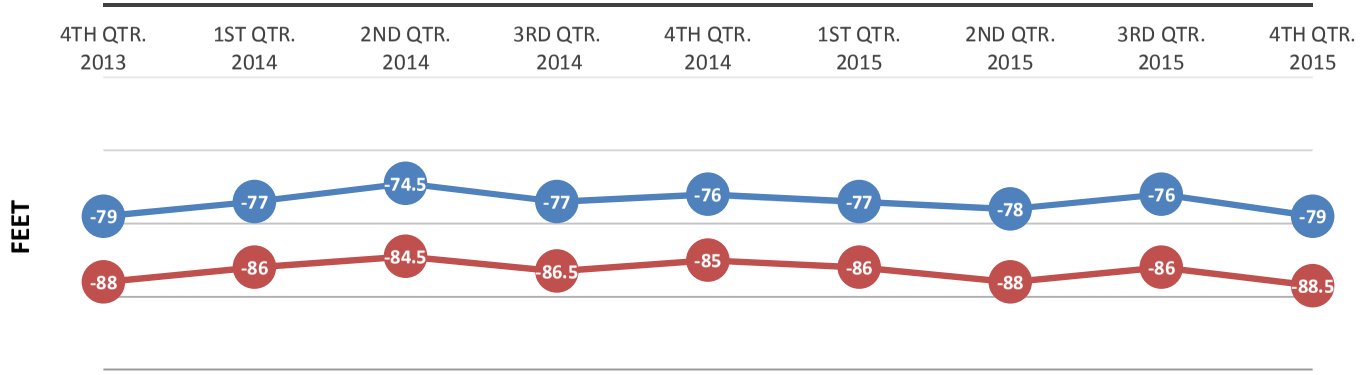
15 Min: < 5 ppm

Elk Grove Water District

Static and Pumping Levels

Well 3 Mar-Val





Latest Well Sounding

Static:	79 Ft
Pumping:	88.5 Ft
Drawdown:	9.5 Ft
GPM:	900.00
Specific Capacity:	94.737

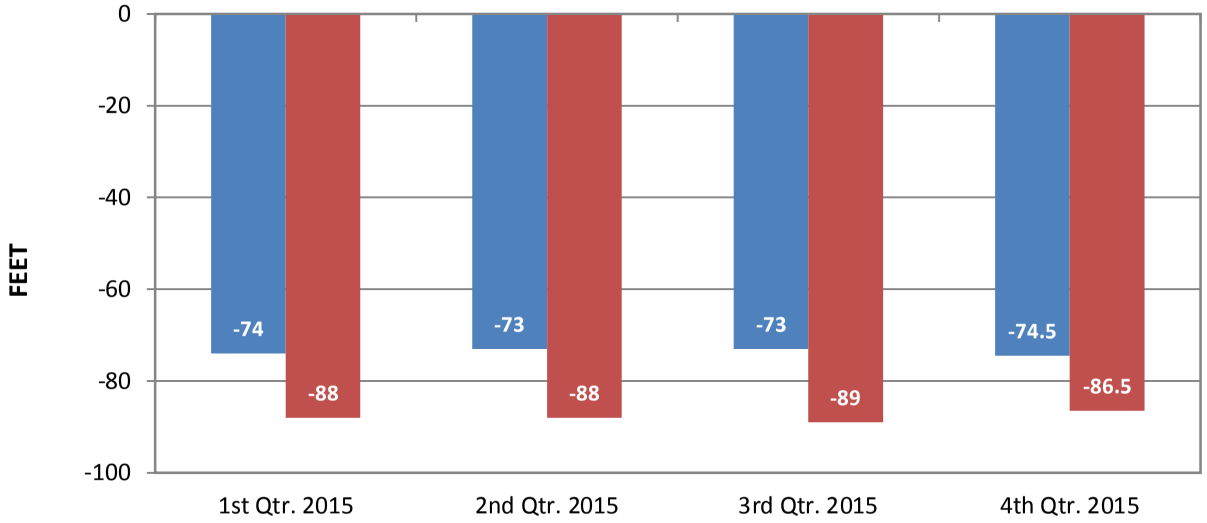
Latest Sand Tester Results:

15 Min: < 5 ppm

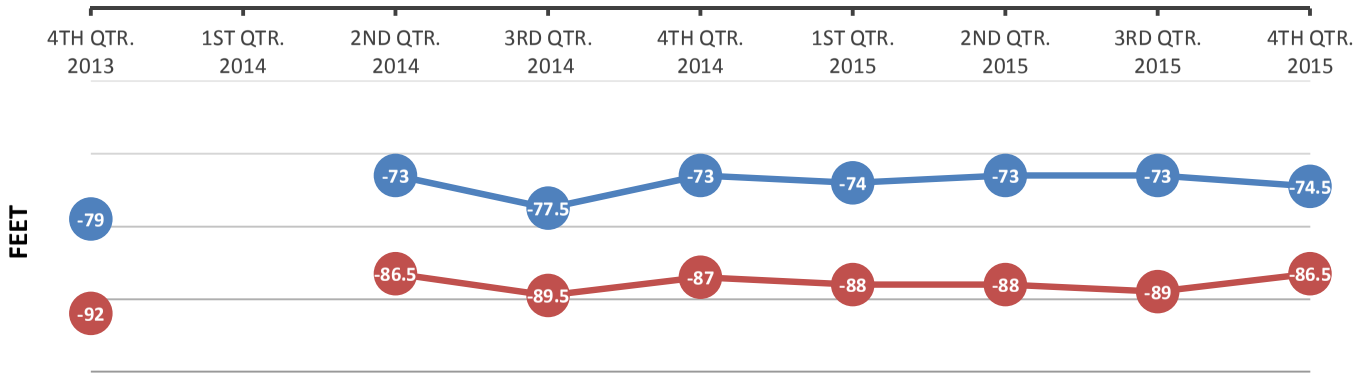
Elk Grove Water District

Static and Pumping Levels

Well 8 Williamson



Sounding Quarter/Year



Latest Well Sounding

Static:	74.5 Ft
Pumping:	86.5 Ft
Drawdown:	12 Ft
GPM:	820.00
Specific Capacity:	68.333

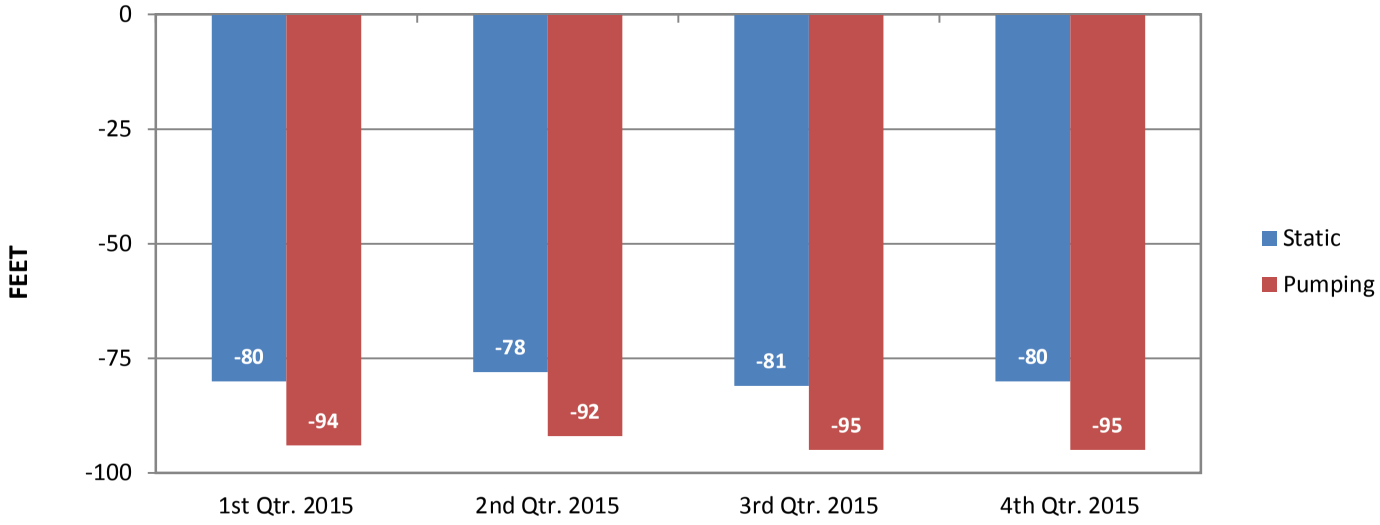
Latest Sand Tester Results:

15 Min: < 5 ppm

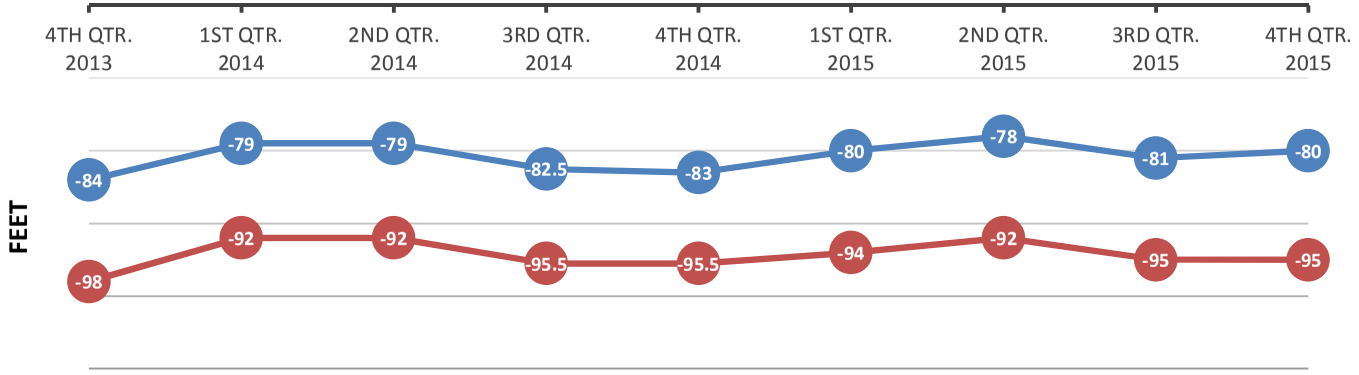
Elk Grove Water District

Static and Pumping Levels

Well 9 Polhemus



Sounding Quarter/Year



Latest Well Sounding

Static:	80 Ft
Pumping:	95 Ft
Drawdown:	15 Ft
GPM:	490.00
Specific Capacity:	32.667

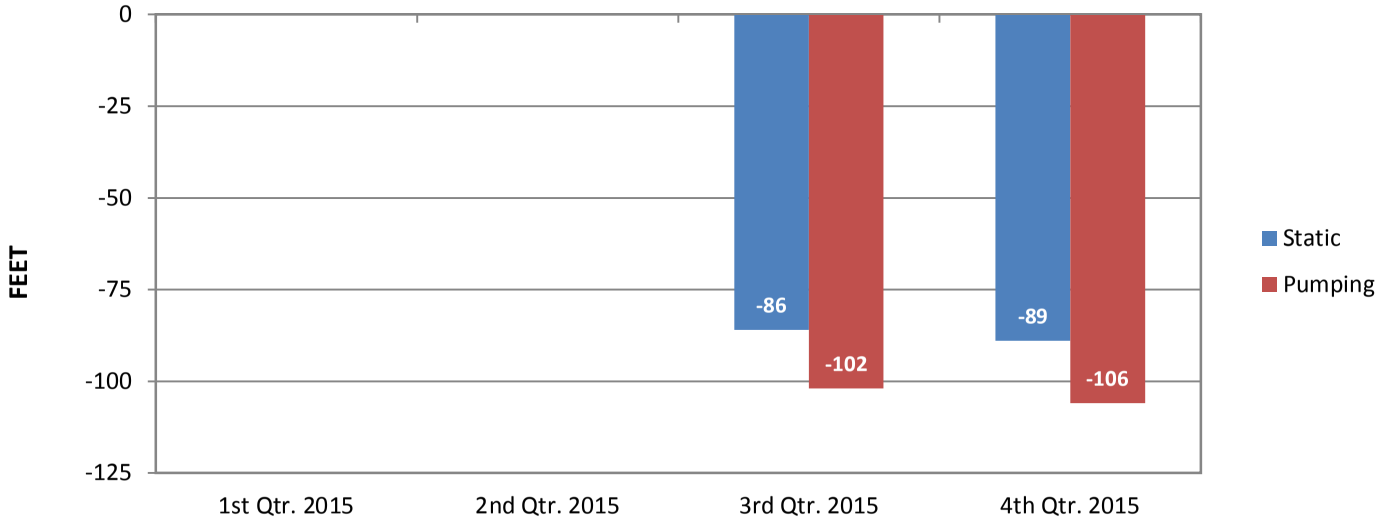
Latest Sand Tester Results:

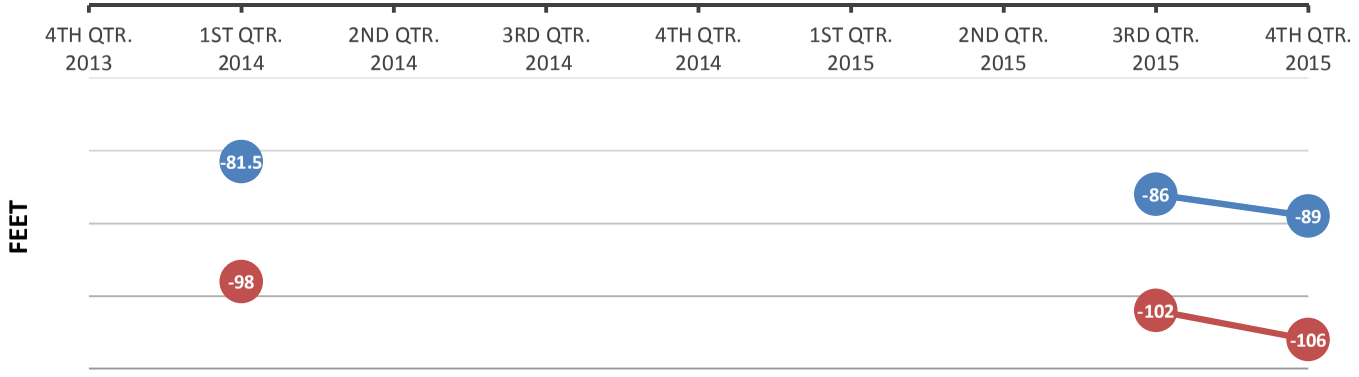
15 Min: < 5 ppm

Elk Grove Water District

Static and Pumping Levels

Well 13 Hampton





Latest Well Sounding

Static:	89 Ft
Pumping:	106 Ft
Drawdown:	17 Ft
GPM:	978.00
Specific Capacity:	57.529

Latest Sand Tester Results:

15 Min: < 5 ppm

Monthly Sample Report - October 2015
Water System: Elk Grove Water System

Sampling Point: 01 - 8693 W. Camden			
Sample Date	**Sample Class**	**Sample Name**	**Collection Occurrence**
10/6/2015	Distribution System	Bacteriological	Week
10/13/2015	Distribution System	Bacteriological	Week
10/20/2015	Distribution System	Bacteriological	Week
10/27/2015	Distribution System	Bacteriological	Week
10/13/2015	Distribution System	TTHM's & HAA5	Quarterly

Sampling Point: School Well 01D - Raw Water			
Sample Date	**Sample Class**	**Sample Name**	**Collection Occurrence**
10/20/2015	Source Water	3 mo - Bacteriological	Quarterly
10/20/2015	Source Water	3 mo - Fe,Mn,As Total	Quarterly
10/20/2015	Source Water	3 mo - Fe,Mn,As Dissolved	Quarterly

Sampling Point: 02 - 9425 Emerald Vista			
Sample Date	**Sample Class**	**Sample Name**	**Collection Occurrence**
10/6/2015	Distribution System	Bacteriological	Week
10/13/2015	Distribution System	Bacteriological	Week
10/20/2015	Distribution System	Bacteriological	Week
10/27/2015	Distribution System	Bacteriological	Week
10/13/2015	Distribution System	TTHM's & HAA5	Quarterly

Sampling Point: - Mar-Val Well 3 Raw Water			
Sample Date	**Sample Class**	**Sample Name**	**Collection Occurrence**
10/6/2015	Source Water	3 mo - Bacteriological	Quarterly
10/6/2015	Source Water	3 mo - Fe,Mn,As Total	Quarterly
10/6/2015	Source Water	3 mo - Fe,Mn,As Dissolved	Quarterly

Sampling Point: 03 - 8809 Valley Oak			
Sample Date	**Sample Class**	**Sample Name**	**Collection Occurrence**
10/6/2015	Distribution System	Bacteriological	Week
10/13/2015	Distribution System	Bacteriological	Week
10/20/2015	Distribution System	Bacteriological	Week
10/27/2015	Distribution System	Bacteriological	Week

Sampling Point: Webb Well 04D - Raw Water			
Sample Date	**Sample Class**	**Sample Name**	**Collection Occurrence**
10/6/2015	Source Water	3 mo - Bacteriological	Quarterly
10/6/2015	Source Water	3 mo - Fe,Mn,As Total	Quarterly
10/6/2015	Source Water	3 mo - Fe,Mn,As Dissolved	Quarterly

Sampling Point: 04 - 10122 Glacier Point			
Sample Date	**Sample Class**	**Sample Name**	**Collection Occurrence**
10/6/2015	Distribution System	Bacteriological	Week
10/13/2015	Distribution System	Bacteriological	Week
10/20/2015	Distribution System	Bacteriological	Week
10/27/2015	Distribution System	Bacteriological	Week

Sampling Point: 05 - 9230 Amsden Ct.			
Sample Date	**Sample Class**	**Sample Name**	**Collection Occurrence**
10/6/2015	Distribution System	Bacteriological	Week
10/13/2015	Distribution System	Bacteriological	Week
10/20/2015	Distribution System	Bacteriological	Week
10/27/2015	Distribution System	Bacteriological	Week

Sampling Point: 06 - 9227 Rancho Dr.			
Sample Date	**Sample Class**	**Sample Name**	**Collection Occurrence**
10/6/2015	Distribution System	Bacteriological	Week
10/13/2015	Distribution System	Bacteriological	Week
10/20/2015	Distribution System	Bacteriological	Week
10/27/2015	Distribution System	Bacteriological	Week

Sampling Point: 07 - Al Gates Park Mainline Dr.			
Sample Date	**Sample Class**	**Sample Name**	**Collection Occurrence**
10/6/2015	Distribution System	Bacteriological	Week
10/13/2015	Distribution System	Bacteriological	Week
10/20/2015	Distribution System	Bacteriological	Week
10/27/2015	Distribution System	Bacteriological	Week

Sampling Point: - Williamson Well 8 Raw Water			
Sample Date	**Sample Class**	**Sample Name**	**Collection Occurrence**
10/27/2015	Source Water	3 mo - Bacteriological	Quarterly
10/27/2015	Source Water	3 mo - Fe,Mn,As Total	Quarterly
10/27/2015	Source Water	3 mo - Fe,Mn,As Dissolved	Quarterly

Sampling Point: 09 - 9436 Hollow Springs Wy.			
Sample Date	**Sample Class**	**Sample Name**	**Collection Occurrence**
10/6/2015	Distribution System	Bacteriological	Week
10/13/2015	Distribution System	Bacteriological	Week
10/20/2015	Distribution System	Bacteriological	Week
10/27/2015	Distribution System	Bacteriological	Week
10/13/2015	Distribution System	TTHM's & HAA5	Quarterly

Sampling Point: Polhemus Well 9 Raw Water			
Sample Date	**Sample Class**	**Sample Name**	**Collection Occurrence**
10/20/2015	Source Water	3 mo - Bacteriological	Quarterly
10/20/2015	Source Water	3 mo - Fe,Mn,As Total	Quarterly
10/20/2015	Source Water	3 mo - Fe,Mn,As Dissolved	Quarterly

Sampling Point: 09 - 8417 Blackman Wy.			
Sample Date	**Sample Class**	**Sample Name**	**Collection Occurrence**
10/6/2015	Distribution System	Bacteriological	Week
10/13/2015	Distribution System	Bacteriological	Week
10/20/2015	Distribution System	Bacteriological	Week
10/27/2015	Distribution System	Bacteriological	Week

Sampling Point: 10 - 9373 Oreo Ranch Cir.			
Sample Date	**Sample Class**	**Sample Name**	**Collection Occurrence**
10/6/2015	Distribution System	Bacteriological	Week
10/13/2015	Distribution System	Bacteriological	Week
10/20/2015	Distribution System	Bacteriological	Week
10/27/2015	Distribution System	Bacteriological	Week

Sampling Point: Dino Well 11D - Raw Water			
Sample Date	**Sample Class**	**Sample Name**	**Collection Occurrence**
10/13/2015	Source Water	3 mo - Bacteriological	Quarterly
10/13/2015	Source Water	3 mo - Fe,Mn,As Total	Quarterly
10/13/2015	Source Water	3 mo - Fe,Mn,As Dissolved	Quarterly

Sampling Point: Hampton Well 13 - Raw Water			
Sample Date	**Sample Class**	**Sample Name**	**Collection Occurrence**
10/6/2015	Source Water	3 mo - Bacteriological	Quarterly
10/6/2015	Source Water	3 mo - Fe,Mn,As Total	Quarterly
10/6/2015	Source Water	3 mo - Fe,Mn,As Dissolved	Quarterly

Sampling Point: Hampton WTP Effluent			
Sample Date	**Sample Class**	**Sample Name**	**Collection Occurrence**
10/6/2015	Source Water	3 mo - Fe,Mn,As Total	Month
10/6/2015	Source Water	3 mo - Fe,Mn,As Dissolved	Month

Sampling Point: Hampton WTP Baskwash Tank			
Sample Date	**Sample Class**	**Sample Name**	**Collection Occurrence**
10/13/2015	Discharge	6 mo- BOD, TSS, TKN, Cu, Mn, Zn	Biannual
10/20/2015	Discharge	6 mo- BOD	Biannual

Sampling Point: Railroad Well 14D - Raw Water			
Sample Date	**Sample Class**	**Sample Name**	**Collection Occurrence**
10/20/2015	Source Water	3 mo - Bacteriological	Quarterly
10/20/2015	Source Water	3 mo - Fe,Mn,As Total	Quarterly
10/20/2015	Source Water	3 mo - Fe,Mn,As Dissolved	Quarterly

Sampling Point: Railroad WTP Effluent			
Sample Date	**Sample Class**	**Sample Name**	**Collection Occurrence**
10/6/2015	Treated Plant Effluent	WTP Eff - Fe,Mn,As,Al Total	Month
10/6/2015	Treated Plant Effluent	WTP Eff - Fe,Mn,As,Al Dissolved	Month

Sampling Point: Railroad WTP Baskwash Tank			
Sample Date	**Sample Class**	**Sample Name**	**Collection Occurrence**
10/13/2015	Discharge	6 mo- BOD, TSS, TKN, Cu, Mn, Zn	Biannual
10/20/2015	Discharge	6 mo- BOD	Biannual

Sampling Point: Special Distribution/Construction Samples			
Sample Date	**Sample Class**	**Sample Name**	**Collection Description**
10/14/2015	Distribution System	Bacteriological	Main Line Repair

Colors	Monthly Total	Yearly Total
Black = Scheduled	63	549
Green = Unscheduled	13	88
Red = Incomplete Sample	0	0

Elk Grove Water District
A DEPARTMENT OF THE
Florin Resource Conservation District

November 9, 2015

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 October 2015.

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

STEVE SHAW
WATER TREATMENT FOREMAN

State of California –Health and Human Services Agency

Department of Health Services
Drinking Water Program

MONTHLY SUMMARY OF DISTRIBUTION SYSTEM COLIFORM MONITORING

System Name	System Number
ELK GROVE WATER SERVICE	3410008
Sampling Period	**Year**
Month: October	2015

	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 Which are Total Coliform Positive and Fecal/E.coli Negative (see notes 5 and 6)		0	0	0
3. Repeat Samples Following Routine Samples Which are Total Coliform Positive and Fecal/E.coli Positive (see notes 5 and 6)		0	0	0
4. MCL Computation For Total Coliform Positive Samples				
a. Totals (sum of columns)	40	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)	☑ Yes	☐ No		
…with monthly MCL? (see note 4)	☑ Yes	☐ 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	0

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: Water Treatment Foreman

Date: 11/9/2015

NOTES AND INSTRUCTIONS:

1. Routine samples include:
a. Samples required per 22 CCR, Section 64423;
b. Extra samples 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 must be tracked on the worksheet on the other side.
6. For systems collecting more than one routine sample per month, three repeat samples must be collected for each total coliform positive sample. Repeat samples must be collected within 24 hours of being notified of the positive results.
7. For systems collecting one or less routine samples per month, four repeat samples must be collected for each total coliform positive sample.

DHS 8477 (8/92) – Headings updated 11/01

Elk Grove Water District
A DEPARTMENT OF THE
Florin Resource Conservation District

November 9, 2015

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 October 2015.

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

STEVE SHAW
WATER TREATMENT FOREMAN

COMPLIANCE REPORT FORM

Attn: Tom 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:	11	Year:	2015

☑ Water use/flow meter report

Railroad WTP: 0
Hampton WTP: 4943.86

☑ Monitoring results/analytical report

	Date	Time	pH
Hampton WTP	10/13/15	12:13	7.5
Railroad WTP	10/13/15	10:26	7.4

☑ **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.)

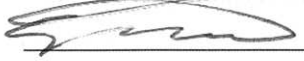
☐ Other (describe)

Domestic Calculation

Domestic Usage	Number of Employees	Business Days per Month	Allowance (gallons per day)	Gallons
Production	2	19	25	950
Office	3	19	20	1140
Drivers/Field	19	19	5	1805
			Total	2090

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 (Name) Water Treatment Foreman (Title)

DATE: 11/9/2015

Elk Grove Water District Monthly Waste Report

Date	Operator	Railroad WTP Waste Meter	Gallons	Hampton WTP Waste Meter	Gallons
1	WQ	10664688	0	76413.97	0
2	WQ	10664688	0	76413.97	0
3	SM	10664688	0	76413.97	0
4	SM	10664688	0	76413.97	0
5	AH	10664688	0	76413.97	0
6	WQ	10664688	0	76413.97	0
7	WQ	10664688	0	81357.83	4943.86
8	AA	10664688	0	81357.83	0
9	AA	10664688	0	81357.83	0
10	AA	10664688	0	81357.83	0
11	AA	10664688	0	81357.83	0
12	AA	10664688	0	81357.83	0
13	WQ	10664688	0	81357.83	0
14	JC	10664688	0	81357.83	0
15	JC	10664688	0	81357.83	0
16	JC	10664688	0	81357.83	0
17	JC	10664688	0	81357.83	0
18	JC	10664688	0	81357.83	0
19	MM	10664688	0	81357.83	0
20	WQ	10664688	0	81357.83	0
21	WQ	10664688	0	81357.83	0
22	MM	10664688	0	81357.83	0
23	MM	10664688	0	81357.83	0
24	MM	10664688	0	81357.83	0
25	MM	10664688	0	81357.83	0
26	WQ	10664688	0	81357.83	0
27	WQ	10664688	0	81357.83	0
28	WQ	10664688	0	81357.83	0
29	DF	10664688	0	81357.83	0
30	AH	10664688	0	81357.83	0
31	DF	10664688	0	81357.83	0

BSK Associates Fresno
1414 Stanislaus St
Fresno, CA93706
559-497-2888 (Main)
559-485-6935 (FAX)

A5J1368
10/28/2015
Invoice: A523173

Steve Shaw
Elk Grove Water District
9257 Elk Grove Boulevard
Elk Grove, CA 95624

RE: Report for A5J1368 General-Hewitt

Dear Steve Shaw,

Thank you for using BSK Associates for your analytical testing needs. In the following pages, you will find the test results for the samples submitted to our laboratory on 10/14/2015. The results have been approved for release by our Laboratory Director as indicated by the authorizing signature below.

The samples were analyzed for the test(s) indicated on the Chain of Custody (see attached) and the results relate only to the samples analyzed. BSK certifies that the testing was performed in accordance with the quality system requirements specified in the 2009 TNI Standard. Any deviations from this standard or from the method requirements for each test procedure performed will be annotated alongside the analytical result or noted in the Case Narrative. Unless otherwise noted, the sample results are reported on an "as received" basis.

If additional clarification of any information is required, please contact your Project Manager, Michael Ng , at (800) 877-8310 or (559) 497-2888 x118.

Thanks again for using BSK Associates. We value your business and appreciate your loyalty.

Sincerely,

Michael Ng, Client Services Manager

Accredited in Accordance with NELAP
ORELAP #4021

Case Narrative

Project and Report Details		Invoice Details	
Client:	Elk Grove Water District	**Invoice To:**	Elk Grove Water District
Report To:	Steve Shaw	**Invoice Attn:**	Steve Shaw
Project #:	October 2015 Hampton Backwash Wastewater	**Project PO#:**	-
Received:	10/14/2015 - 11:00		
Report Due:	10/28/2015		

Sample Receipt Conditions

Cooler: Default Cooler
Temperature on Receipt °C: 2.4

Containers Intact
COC/Labels Agree
Received On Wet Ice
Packing Material - Bubble Wrap
Sample(s) were received in temperature range.
Initial receipt at BSK-SAC

Detailed Narrative

Chain of Custody Notes

Date: 10/19/15
Initials: MSN
Note: Per Steve Shaw, the BOD test was canceled because the lab was not able to perform the BOD test within the holding time. Client will resample.

Data Qualifiers

The following qualifiers have been applied to one or more analytical results:

None applied

Report Distribution

Recipient(s)	Report Format	CC:
Steve Shaw	FINAL.RPT	ahewitt@egwd.org

Certificate of Analysis

Sample ID: A5J1368-03
Sampled By: Aaron Hewitt
Sample Description: Hampton Backwash Wastewater - Composite 1 & 2 // Composited in Lab

Sample Date - Time: 10/13/15 - 12:13
Matrix: Waste Water
Sample Type: Composite

Composite Start: 10/13/15 - 12:13

BSK Associates Fresno

General Chemistry

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Total Kjeldahl Nitrogen	EPA 351.2	ND	1.0	mg/L	1	A512344	10/19/15	10/22/15	

Metals

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Copper	EPA 200.8	ND	5.0	ug/L	1	A512286	10/16/15	10/26/15	
Manganese	EPA 200.7	ND	0.010	mg/L	1	A512286	10/16/15	10/20/15	
Zinc	EPA 200.8	ND	50	ug/L	1	A512286	10/16/15	10/26/15	

BSK Associates Fresno
General Chemistry Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
EPA 351.2 - Quality Control											
Batch: A512344										Prepared: 10/19/2015	
Prep Method: Digestion										Analyst: CEG	
Blank (A512344-BLK1)											
Total Kjeldahl Nitrogen	ND	1.0	mg/L							10/22/15	
Blank Spike (A512344-BS1)											
Total Kjeldahl Nitrogen	9.6	1.0	mg/L	10		96	90-110			10/22/15	
Blank Spike Dup (A512344-BSD1)											
Total Kjeldahl Nitrogen	9.5	1.0	mg/L	10		95	90-110	1	10	10/22/15	
Matrix Spike (A512344-MS1), Source: A5J1093-06											
Total Kjeldahl Nitrogen	20	1.0	mg/L	10	9.2	106	90-110			10/22/15	
Matrix Spike (A512344-MS2), Source: A5J1367-03											
Total Kjeldahl Nitrogen	9.6	1.0	mg/L	10	ND	96	90-110			10/22/15	
Matrix Spike Dup (A512344-MSD1), Source: A5J1093-06											
Total Kjeldahl Nitrogen	20	1.0	mg/L	10	9.2	104	90-110	1	10	10/22/15	
Matrix Spike Dup (A512344-MSD2), Source: A5J1367-03											
Total Kjeldahl Nitrogen	9.5	1.0	mg/L	10	ND	95	90-110	0	10	10/22/15	

BSK Associates Fresno
Metals Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
EPA 200.7 - Quality Control											
Batch: A512286										Prepared: 10/16/2015	
Prep Method: EPA 200.2										Analyst: NYY	
Blank (A512286-BLK2)											
Manganese	ND	0.010	mg/L							10/20/15	
Blank Spike (A512286-BS2)											
Manganese	0.20	0.010	mg/L	0.20		98	85-115			10/20/15	
Blank Spike Dup (A512286-BSD2)											
Manganese	0.19	0.010	mg/L	0.20		97	85-115	0	20	10/20/15	
Matrix Spike (A512286-MS3), Source: A5J1312-01											
Manganese	0.40	0.010	mg/L	0.20	0.21	96	70-130			10/20/15	
Matrix Spike Dup (A512286-MSD3), Source: A5J1312-01											
Manganese	0.39	0.010	mg/L	0.20	0.21	92	70-130	2	20	10/20/15	
EPA 200.8 - Quality Control											
Batch: A512286										Prepared: 10/16/2015	
Prep Method: EPA 200.2										Analyst: MAS	
Blank (A512286-BLK1)											
Copper	ND	5.0	ug/L							10/26/15	
Zinc	ND	50	ug/L							10/26/15	
Blank Spike (A512286-BS1)											
Copper	190	5.0	ug/L	200		96	85-115			10/26/15	
Zinc	190	50	ug/L	200		94	85-115			10/26/15	
Blank Spike Dup (A512286-BSD1)											
Copper	190	5.0	ug/L	200		97	85-115	0	20	10/26/15	
Zinc	190	50	ug/L	200		94	85-115	0	20	10/26/15	
Matrix Spike (A512286-MS1), Source: A5J1312-01											
Copper	190	5.0	ug/L	200	ND	94	70-130			10/26/15	
Zinc	180	50	ug/L	200	ND	90	70-130			10/26/15	
Matrix Spike (A512286-MS2), Source: A5J1312-02											
Copper	180	5.0	ug/L	200	ND	90	70-130			10/26/15	
Zinc	180	50	ug/L	200	ND	92	70-130			10/26/15	
Matrix Spike Dup (A512286-MSD1), Source: A5J1312-01											
Copper	180	5.0	ug/L	200	ND	90	70-130	4	20	10/26/15	
Zinc	180	50	ug/L	200	ND	88	70-130	2	20	10/26/15	
Matrix Spike Dup (A512286-MSD2), Source: A5J1312-02											
Copper	190	5.0	ug/L	200	ND	91	70-130	1	20	10/26/15	
Zinc	190	50	ug/L	200	ND	93	70-130	2	20	10/26/15	

BSK Associates Fresno

Metals Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
EPA 200.8 - Quality Control											
Batch: A512286										Prepared: 10/16/2015	
Prep Method: EPA 200.2										Analyst: MAS	

Certificate of Analysis

Notes:

- The Chain of Custody document and Sample Integrity Sheet are part of the analytical report.
- Any remaining sample(s) for testing will be disposed of according to BSK's sample retention policy unless other arrangements are made in advance.
- All positive results for EPA Methods 504.1 and 524.2 require the analysis of a Field Reagent Blank (FRB) to confirm that the results are not a contamination error from field sampling steps. If Field Reagent Blanks were not submitted with the samples, this method requirement has not been performed.
- Samples collected by BSK Analytical Laboratories were collected in accordance with the BSK Sampling and Collection Standard Operating Procedures.
- J-value is equivalent to DNQ (Detected, not quantified) which is a trace value. A trace value is an analyte detected between the MDL and the laboratory reporting limit. This result is of an unknown data quality and is only qualitative (estimated). Baseline noise, calibration curve extrapolation below the lowest calibrator, method blank detections, and integration artifacts can all produce apparent DNQ values, which contribute to the un-reliability of these values.
- (1) - Residual chlorine and pH analysis have a 15 minute holding time for both drinking and waste water samples as defined by the EPA and 40 CFR 136. Waste water and ground water (monitoring well) samples must be field filtered to meet the 15 minute holding time for dissolved metals.
- Summations of analytes (i.e. Total Trihalomethanes) may appear to add individual amounts incorrectly, due to rounding of analyte values occurring before or after the total value is calculated, as well as rounding of the total value.
- RL Multiplier is the factor used to adjust the reporting limit (RL) due to variations in sample preparation procedures and dilutions required for matrix interferences.
- Due to the subjective nature of the Threshold Odor Method, all characterizations of the detected odor are the opinion of the panel of analysts. The characterizations can be found in Standard Methods 2170B Figure 2170:1.
- The MCLs provided in this report (if applicable) represent the primary MCLs for that analyte.

Definitions

mg/L:	Milligrams/Liter (ppm)	MDL:	Method Detection Limit	MDA95:	Min. Detected Activity
mg/Kg:	Milligrams/Kilogram (ppm)	RL:	Reporting Limit: DL x Dilution	MPN:	Most Probable Number
µg/L:	Micrograms/Liter (ppb)	ND:	None Detected at RL	CFU:	Colony Forming Unit
µg/Kg:	Micrograms/Kilogram (ppb)	pCi/L:	Picocuries per Liter	Absent:	Less than 1 CFU/100mLs
%:	Percent Recovered (surrogates)	RL Mult:	RL Multiplier	Present:	1 or more CFU/100mLs
NR:	Non-Reportable	MCL:	Maximum Contaminant Limit		

Please see the individual Subcontract Lab's report for applicable certifications.

BSK is not accredited under the NELAC program for the following parameters: **NA**

Certifications: **Please refer to our website for a copy of our Accredited Fields of Testing under each certification.**

Fresno

State of California - ELAP	1180	State of Hawaii	4021
State of Nevada	CA000792016-1	State of Oregon - NELAC	4021
EPA - UCMR3	CA00079	State of Washington	C997-15

Sacramento

State of California - ELAP	2435

Vancouver

State of Oregon - NELAC	WA100008-007	State of Washington	C824-14a

A5J1368

10142015

ElkGr3556

Turnaround: Standard
Due Date: 10/28/2015

Elk Grove Water District

A5J1368 10/14/2015
ElkGr3556 10

BSK Associates Engineers & Laboratories
1414 Stanislaus St., Fresno, CA 93706
(559) 497-2888 Fax (559) 497-2893
www.bskassociates.com

2.4

*Required Fields Temp:

Company/Client Name*:	Report Attention*:	Invoice To*:	Phone*:	Fax*:
Elk Grove Water District	Steve Shaw Additional cc's: Aaron Hewitt	PO#:	916-687-3155 ext.102	916-687-3157
			E-mail*: sshaw@egwd.org / ahewitt@egwd.org	

Address*:	City*:	State*:	Zip*:	Regulatory Carbon Copies
9257 Elk Grove Blvd	Elk Grove	CA	95624	CDPH ☐ ☐ Fresno Co; Merced Co ☐ ☐ Tulare Co; Madera Co ☐ ☐ Other:

Project:	Project #:	How would you like your completed results sent?*	Regulatory Compliance
October 2015 Hampton Backwash Wastewater		☒ E-Mail ☐ Fax ☒ Mail	☐ EDT to California DPH; System Number*:

Reporting Options:	Sampler Name (Printed/Signature)*:	TAT* **Surcharge	
☐ Trace (J-Flag) ☐ Swamp ☐ EDD Type:	Aaron Hewitt	☒ Standard - 10 Business Days ☐ **Rush: Date Needed	☐ Geotracker #:

Matrix Types: SW=Surface Water BW=Bottled Water GW=Ground Water WW=Waste Water STW=Storm Water DW=Drinking Water SO=Solid

#	Sample Description*	Sampled* Date	Sampled* Time	Matrix*	Comments / Station Code / WTRAX	B.O.D.	T.S.S.	T.K.N.	Heavy Metals (Totals) Cu, Mn, Zn	X 4 Composite
1	Hampton Backwash Wastewater bottle 1	10-13-15		WW						X
2	Hampton Backwash Wastewater bottle 2	10-13-15		WW						X
3	Composite 1 & 2 (To be mixed by lab)	10-13-15		WW	WTRAX 17279	X	X	X	X	

Relinquished by: (Signature and Printed Name)	Company	Date	Time	Received by: (Signature and Printed Name)	Company
Aaron Hewitt	EGWD	10-13-15		S-Chegini	BSK-SAC
	BSK-SAC	10-13-15			

Received for Lab by: (Signature and Printed Name)	Date	Time	Payment Received at Delivery:	Check / Cash
Carolina Chat	10/14/15	11:02	Date: Amount: PIA#:	Init.

Shipping Method: ONTRAC UPS GSO WALK-IN FED EX Courier:
Cooling Method: Wet Blue None
Custody Seal: Y / N
Chilling Process Begun: Y / N

41

BSK Associates SR-FL-0002-14

Sample Integrity

BSK Bottles: (Yes) No Page 1 of 1

COC Info

Was temperature within range? Chemistry ≤ 6°C Micro < 10°C	(Yes) No NA	Were correct containers and preservatives received for the tests requested?	(Yes) No NA
If samples were taken today, is there evidence that chilling has begun?	Yes No (NA)	Were there bubbles in the VOA vials? (Volatiles Only)	Yes No (NA)
Did all bottles arrive unbroken and intact?	(Yes) No	Was a sufficient amount of sample received?	(Yes) No
Did all bottle labels agree with COC?	(Yes) No	Do samples have a hold time <72 hours?	(Yes) No
Was sodium thiosulfate added to CN sample(s) until chlorine was no longer present?	Yes No (NA)	Was PM notified of discrepancies? PM: By/Time:	Yes No (NA)

Bottles Received — "–" means preservation/chlorine checks are either N/A or are performed in the lab

250ml(A) 500ml(B) 1Liter(C) 40ml VOA(V)	Checks	Passed?	12	3				
Bacti $Na_2S_2O_3$	—	—						
None (P) White Cap	—	—	1C	1A, 1C				
Cr6 (P) Br. Green Label NH4OH(NH4)2SO4 **DW**	Cl, pH > 8	Y N						
Cr6 (P) Pink Label NH4OH(NH4)2SO4 **WW**	pH 9.3-9.7	Y N						
Cr6 (P) Pink Label NH4OH(NH4)2SO4 **7199** ***24 HOUR HOLD TIME***	pH 9.0-9.5	Y N						
HNO_3 (P) Red Cap	—	—		1A				
H_2SO_4 (P) or (AG) Yellow Cap/Label	pH < 2	Y N		1A				
NaOH (P) Green Cap	Cl, pH >10	Y N						
NaOH + ZnAc (P)	pH > 9	Y N						
Dissolved Oxygen 300ml (g)	—	—						
None (AG) 608/8081/8082, 625, 632/8321, 8151, 8270	—	—						
HCl (AG) Lt. Blue Label O&G, Diesel	—	—						
Na_2O_3S+HCl (AG) Lt. Pink Label 525	—	—						
$Na_2S_2O_3$ 1 Liter (Brown P) 549	—	—						
$Na_2S_2O_3$ (AG) Blue Label 547,515,548,THM,524	—	—						
$Na_2S_2O_3$ (CG) Blue Label 504, 505	—	—						
$Na_2S_2O_3$ + MCAA (CG) Orange Label 531	pH < 3	Y N						
NH_4Cl (AG) Purple Label 552	—	—						
EDA (AG) Brown Label DBPs	—	—						
HCL (CG) 524.2,BTEX,Gas, MTBE, 8260/624	—	—						
Buffer pH 4 (CG)	—	—						
None (CG)	—	—						
H_3PO_4 (CG) Salmon Label	—	—						
Other:								
Asbestos 1Liter Plastic w/ Foil	—	—						
Low Level Hg / Metals Double Baggie	—	—						
Bottled Water	—	—						
Clear Glass Jar: 250 / 500 / 1 Liter	—	—						
Soil Tube Brass / Steel / Plastic	—	—						
Tedlar Bag / Plastic Bag	—	—						

CW 10/14/15

Split

	Container	Preservative	Date/Time/Initials		Container	Preservative	Date/Time/Initials
S P				S P			
S P				S P			

Comments

Labeled by: JU @ 17:46 Labels checked by: CW @ 1756 RUSH Paged by: _____ @ _____

External

A5J1368

Abalone Coast Analytical, Inc
141 Suburban Road, Suite C-1 San Luis Obispo CA, 93401
Phone: 595-1080 Fax: 595-1080

Order #: 15-6033
Date/Time Rec'd: 10/16/15 1245

BSK Associates
1414 Stanislaus St
Fresno, CA 93706

Contact: Michael Ng
Phone: 559-497-2888x118
Sampler:

Project: **A5J1368-03**

Sample #	Sample Description	Date / Time	Analysis	Method	Result	Units	MDL	RL	Completed
-1	**Hampton Backwash**	**10/13/15 1213**	Suspended Solids	SM 2540 D.	**ND.**	mg/L	2.57	3	**10/19/15**
	Wastewater-Comp 1 and 2								

Report Completion Date: **10/19/15** Reviewed By: Amanda Smith

ND = Analyte NOT DETECTED at RL
* Result detected below the RL are estimated concentration

BSK Analytical Laboratories
Engineering & Laboratories

SUBCONTRACT ORDER

A5J1368

SENDING LABORATORY:

BSK Associates Fresno
1414 Stanislaus St
Fresno, CA 93706
Phone: 559-497-2888 x118
Fax: 559-485-6935
Project Manager: Michael Ng
E-mail: mng@bskinc.com

RECEIVING LABORATORY:

Abalone Coast Analytical, Inc.
141 Suburban, Suite C-1
San Luis Obispo, CA 93401
Phone :(805) 595-1080
Fax: (805) 595-1080
Turnaround (Days): Standard
QC Deliverables: I (Std) III IV

Sample ID	Samp Desc	Sample Date
A5J1368-03	Hampton Backwash Wastewater - Composite 1 & 2	10/13/2015 12:13

Sample Alias: Composited in Lab
Matrix: Water

Analysis: 250 PP -1
TSS, Total Suspended Solids

15-6033

Client
intact
no sed
8°C

Released By	Date	Received By	Date
		BSK	10/15/15 1730
Released By	Date	Received By	Date
			10/16/15 1245

BSK Associates Fresno
1414 Stanislaus St
Fresno, CA93706
559-497-2888 (Main)
559-485-6935 (FAX)

A5J1797
10/30/2015
Invoice: A523322

Steve Shaw
Elk Grove Water District
9257 Elk Grove Boulevard
Elk Grove, CA 95624

RE: Report for A5J1797 General

Dear Steve Shaw,

Thank you for using BSK Associates for your analytical testing needs. In the following pages, you will find the test results for the samples submitted to our laboratory on 10/21/2015. The results have been approved for release by our Laboratory Director as indicated by the authorizing signature below.

The samples were analyzed for the test(s) indicated on the Chain of Custody (see attached) and the results relate only to the samples analyzed. BSK certifies that the testing was performed in accordance with the quality system requirements specified in the 2009 TNI Standard. Any deviations from this standard or from the method requirements for each test procedure performed will be annotated alongside the analytical result or noted in the Case Narrative. Unless otherwise noted, the sample results are reported on an "as received" basis.

If additional clarification of any information is required, please contact your Project Manager, Michael Ng , at (800) 877-8310 or (559) 497-2888 x118.

Thanks again for using BSK Associates. We value your business and appreciate your loyalty.

Sincerely,

Michael Ng, Client Services Manager

Accredited in Accordance with NELAP
ORELAP #4021

BSK Associates Engineers & Laboratories

Case Narrative

Project and Report Details		Invoice Details	
Client:	Elk Grove Water District	**Invoice To:**	Elk Grove Water District
Report To:	Steve Shaw	**Invoice Attn:**	Steve Shaw
Project #:	Oct 2015 Hampton Backwash Wastewater #2 Resample	**Project PO#:**	-
Received:	10/21/2015 - 10:30		
Report Due:	10/30/2015		

Sample Receipt Conditions

Cooler: Default Cooler
Temperature on Receipt °C: 0.0

Containers Intact
COC/Labels Agree
Received On Wet Ice
Packing Material - Bubble Wrap
Sample(s) were received in temperature range.
Initial receipt at BSK-SAC

Data Qualifiers

The following qualifiers have been applied to one or more analytical results:

None applied

Report Distribution

Recipient(s)	Report Format	CC:
Steve Shaw	FINAL.RPT	wquintero@egwd.org;ahewitt@egwd.org

Certificate of Analysis

Sample ID: A5J1797-03
Sampled By: Aaron Hewitt
Sample Description: Hampton Backwash Wastewater - Composite // 17279

Sample Date - Time: 10/20/15 - 12:31
Matrix: Waste Water
Sample Type: Composite

Composite Start: 10/20/15 - 12:31

BSK Associates Fresno

General Chemistry

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Biochemical Oxygen Demand	SM 5210B	ND	1.0	mg/L	1	A512459	10/21/15 17:25	10/26/15	

BSK Associates Fresno
General Chemistry Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
SM 5210B - Quality Control											
Batch: A512459										Prepared: 10/21/2015	
Prep Method: Method Specific Preparation										Analyst: NDR	
Blank (A512459-BLK1)											
Biochemical Oxygen Demand	ND	1.0	mg/L							10/26/15	
Blank Spike (A512459-BS1)											
Biochemical Oxygen Demand	220	1.0	mg/L	200		109	85-115			10/26/15	
Duplicate (A512459-DUP1), Source: A5J1842-02											
Biochemical Oxygen Demand	66	9.0	mg/L		67			2	10	10/26/15	

Certificate of Analysis

Notes:

- The Chain of Custody document and Sample Integrity Sheet are part of the analytical report.
- Any remaining sample(s) for testing will be disposed of according to BSK's sample retention policy unless other arrangements are made in advance.
- All positive results for EPA Methods 504.1 and 524.2 require the analysis of a Field Reagent Blank (FRB) to confirm that the results are not a contamination error from field sampling steps. If Field Reagent Blanks were not submitted with the samples, this method requirement has not been performed.
- Samples collected by BSK Analytical Laboratories were collected in accordance with the BSK Sampling and Collection Standard Operating Procedures.
- J-value is equivalent to DNQ (Detected, not quantified) which is a trace value. A trace value is an analyte detected between the MDL and the laboratory reporting limit. This result is of an unknown data quality and is only qualitative (estimated). Baseline noise, calibration curve extrapolation below the lowest calibrator, method blank detections, and integration artifacts can all produce apparent DNQ values, which contribute to the un-reliability of these values.
- (1) - Residual chlorine and pH analysis have a 15 minute holding time for both drinking and waste water samples as defined by the EPA and 40 CFR 136. Waste water and ground water (monitoring well) samples must be field filtered to meet the 15 minute holding time for dissolved metals.
- Summations of analytes (i.e. Total Trihalomethanes) may appear to add individual amounts incorrectly, due to rounding of analyte values occurring before or after the total value is calculated, as well as rounding of the total value.
- RL Multiplier is the factor used to adjust the reporting limit (RL) due to variations in sample preparation procedures and dilutions required for matrix interferences.
- Due to the subjective nature of the Threshold Odor Method, all characterizations of the detected odor are the opinion of the panel of analysts. The characterizations can be found in Standard Methods 2170B Figure 2170:1.
- The MCLs provided in this report (if applicable) represent the primary MCLs for that analyte.

Definitions

mg/L:	Milligrams/Liter (ppm)	MDL:	Method Detection Limit	MDA95:	Min. Detected Activity
mg/Kg:	Milligrams/Kilogram (ppm)	RL:	Reporting Limit: DL x Dilution	MPN:	Most Probable Number
µg/L:	Micrograms/Liter (ppb)	ND:	None Detected at RL	CFU:	Colony Forming Unit
µg/Kg:	Micrograms/Kilogram (ppb)	pCi/L:	Picocuries per Liter	Absent:	Less than 1 CFU/100mLs
%:	Percent Recovered (surrogates)	RL Mult:	RL Multiplier	Present:	1 or more CFU/100mLs
NR:	Non-Reportable	MCL:	Maximum Contaminant Limit		

Please see the individual Subcontract Lab's report for applicable certifications.

BSK is not accredited under the NELAC program for the following parameters: **NA**

Certifications: **Please refer to our website for a copy of our Accredited Fields of Testing under each certification.**

Fresno

State of California - ELAP	1180	State of Hawaii	4021
State of Nevada	CA000792016-1	State of Oregon - NELAC	4021
EPA - UCMR3	CA00079	State of Washington	C997-15

Sacramento

State of California - ELAP	2435

Vancouver

State of Oregon - NELAC	WA100008-007	State of Washington	C824-14a

A5J1797

10212015

ElkGr3556

Turnaround: Standard
Due Date: 11/4/2015

Elk Grove Water District

Printed: 10/21/2015 3:42:56PM

BSK Associates Engineers & Laboratories
1414 Stanislaus St., Fresno, CA 93706
(559) 497-2888 Fax (559) 497-2893
www.bskassociates.com

D.O

A5J1797 10/21/2015
ElkGr3556 10

)DY

*Required Fields

Temp:

Company/Client Name*:	Report Attention*:	Invoice To*:	Phone*:	Fax*:
Elk Grove Water District	Steve Shaw Additional cc's: Aaron Hewitt	PO#:	916-687-3155 ext.102	916-687-3157

E-mail*: sshaw@egwd.org / ahewitt@egwd.org

Address*:	City*:	State*:	Zip*:
9257 Elk Grove Blvd	Elk Grove	CA	95624

Project: October 2015 Hampton Backwash Wastewater #2
Project #:

Reporting Options: ☐ Trace (J-Flag) ☐ Swamp ☐ EDD Type: _____

How would you like your completed results sent?* ☒ E-Mail ☐ Fax ☒ Mail

Sampler Name (Printed/Signature)*: Aaron Hewitt

TAT* **Surcharge
☒ **Standard** - 10 Business Days
☐ ****Rush**: Date Needed _____

Regulatory Carbon Copies
CDPH ☐ ☐ Fresno Co
Merced Co ☐ ☐ Tulare Co
Madera Co ☐ ☐ Other: _____

Regulatory Compliance
☐ EDT to California DFH
System Number*: _____
☐ Geotracker #: _____

Matrix Types: SW=Surface Water BW=Bottled Water GW=Ground Water WW=Waste Water STW=Storm Water DW=Drinking Water SO=Solid

#	Sample Description*	Sampled* Date	Sampled* Time	Matrix*	Comments / Station Code / WTRAX	B.O.D.
1	Hampton Backwash Wastewater bottle 1	10-20-15		WW		
2	Hampton Backwash Wastewater bottle 2	10-20-15		WW		
3	Composite 1 & 2 (To be mixed by lab)	10-20-15		WW	WTRAX 17279	X

	Company	Date	Time		Company
Relinquished by: (Signature and Printed Name) Aaron Hewitt	EGWD	10-20-15	2:30	Received by: (Signature and Printed Name)	BSK-ONC
Relinquished by: (Signature and Printed Name)				Received by: (Signature and Printed Name)	
Received for Lab by: (Signature and Printed Name)		Date	Time	Payment Received at Delivery:	
		10/21/15	10:32	Date: Amount: PIA#:	Check / Cash Init.

Shipping Method: ONTRAC UPS GSO WALK-IN FED EX Courier: _____
Cooling Method: Wet Blue None
Custody Seal: Y N
Chilling Process Begun: Y / N

Payment for services rendered as noted herein are due in full within 30 days from the date invoiced. If not so paid, account balances are deemed delinquent. Delinquent balances are subject to monthly service charges and interest specified in BSK's current Standard Terms and Conditions for Laboratory Services. The person signing for the Client/Company acknowledges that they are either the Client or an authorized agent to the Client, that the Client agrees to be responsible for payment for the services on this Chain of Custody, and agrees to BSK's terms and conditions for laboratory services unless contractually bound otherwise. BSK's current terms and conditions can be found at www.bskassociates.com/BSKLabTermsConditions.pdf

BSK Associates SR-FL-0002-14

A5J1797
ElkGr3556

10/21/2015
10

Sample Integrity

BSK Bottles: (Yes) No Page 1 of 1

COC Info

Was temperature within range? Chemistry ≤ 6°C Micro < 10°C	(Yes) No NA	Were correct containers and preservatives received for the tests requested?	(Yes) No NA
If samples were taken today, is there evidence that chilling has begun?	Yes No (NA)	Were there bubbles in the VOA vials? (Volatiles Only)	Yes No (NA)
Did all bottles arrive unbroken and intact?	(Yes) No	Was a sufficient amount of sample received?	(Yes) No
Did all bottle labels agree with COC?	(Yes) No	Do samples have a hold time <72 hours?	(Yes) No
Was sodium thiosulfate added to CN sample(s) until chlorine was no longer present?	Yes No (NA)	Was PM notified of discrepancies? PM: By/Time:	Yes No (NA)

Bottles Received

"—" means preservation/chlorine checks are either N/A or are performed in the lab

250ml(A) 500ml(B) 1Liter(C) 40ml VOA(V)	Checks	Passed?							
			1-2	B					
Bacti $Na_2S_2O_3$	—	—							
None (P) White Cap	—	—	IC	IC					
Cr6 (P) Br. Green Label NH4OH(NH4)2SO4 **DW**	Cl, pH > 8	Y N							
Cr6 (P) Pink Label NH4OH(NH4)2SO4 **WW**	pH 9.3-9.7	Y N							
Cr6 (P) Pink Label NH4OH(NH4)2SO4 **7199** ***24 HOUR HOLD TIME***	pH 9.0-9.5	Y N							
HNO_3 (P) Red Cap	—	—							
H_2SO_4 (P) or (AG) Yellow Cap/Label	pH < 2	Y N							
NaOH (P) Green Cap	Cl, pH >10	Y N							
NaOH + ZnAc (P)	pH > 9	Y N							
Dissolved Oxygen 300ml (g)	—	—							
None (AG) 608/8081/8082, 625, 632/8321, 8151, 8270	—	—							
HCl (AG) Lt. Blue Label O&G, Diesel	—	—							
Na_2O_3S+HCl (AG) Lt. Pink Label 525	—	—							
$Na_2S_2O_3$ 1 Liter (Brown P) 549	—	—							
$Na_2S_2O_3$ (AG) Blue Label 547,515,548,THM,524	—	—							
$Na_2S_2O_3$ (CG) Blue Label 504, 505	—	—							
$Na_2S_2O_3$ + MCAA (CG) Orange Label 531	pH < 3	Y N							
NH_4Cl (AG) Purple Label 552	—	—							
EDA (AG) Brown Label DBPs	—	—							
HCL (CG) 524.2,BTEX,Gas, MTBE, 8260/624	—	—							
Buffer pH 4 (CG)	—	—							
None (CG)	—	—							
H_3PO_4 (CG) Salmon Label	—	—							
Other:									
Asbestos 1Liter Plastic w/ Foil	—	—							
Low Level Hg / Metals Double Baggie	—	—							
Bottled Water	—	—							
Clear Glass Jar: 250 / 500 / 1 Liter	—	—							
Soil Tube Brass / Steel / Plastic	—	—							
Tedlar Bag / Plastic Bag	—	—							

10/24/15

Split

	Container	Preservative	Date/Time/Initials		Container	Preservative	Date/Time/Initials
S P				S P			
S P				S P			

Comments

Labeled by: ??? @ 1030 Labels checked by: CLJ @ 1450 RUSH Paged by: _____ @ _____

BSK Associates Fresno
1414 Stanislaus St
Fresno, CA93706
559-497-2888 (Main)
559-485-6935 (FAX)

A5J1367
10/28/2015
Invoice: A523172

Steve Shaw
Elk Grove Water District
9257 Elk Grove Boulevard
Elk Grove, CA 95624

RE: Report for A5J1367 General-Hewitt

Dear Steve Shaw,

Thank you for using BSK Associates for your analytical testing needs. In the following pages, you will find the test results for the samples submitted to our laboratory on 10/14/2015. The results have been approved for release by our Laboratory Director as indicated by the authorizing signature below.

The samples were analyzed for the test(s) indicated on the Chain of Custody (see attached) and the results relate only to the samples analyzed. BSK certifies that the testing was performed in accordance with the quality system requirements specified in the 2009 TNI Standard. Any deviations from this standard or from the method requirements for each test procedure performed will be annotated alongside the analytical result or noted in the Case Narrative. Unless otherwise noted, the sample results are reported on an "as received" basis.

If additional clarification of any information is required, please contact your Project Manager, Michael Ng , at (800) 877-8310 or (559) 497-2888 x118.

Thanks again for using BSK Associates. We value your business and appreciate your loyalty.

Sincerely,

Michael Ng, Client Services Manager

Accredited in Accordance with NELAP
ORELAP #4021

Case Narrative

Project and Report Details		Invoice Details	
Client:	Elk Grove Water District	**Invoice To:**	Elk Grove Water District
Report To:	Steve Shaw	**Invoice Attn:**	Steve Shaw
Project #:	October 2015 Backwash Wastewater	**Project PO#:**	-
Received:	10/14/2015 - 11:02		
Report Due:	10/28/2015		

Sample Receipt Conditions

Cooler: Default Cooler
Temperature on Receipt °C: 2.4

Containers Intact
COC/Labels Agree
Received On Wet Ice
Packing Material - Bubble Wrap
Sample(s) were received in temperature range.
Initial receipt at BSK-SAC

Detailed Narrative

Chain of Custody Notes

Date: 10/19/15
Initials: MSN
Note: Per Steve Shaw, the BOD test was canceled because the lab was not able to perform the BOD test within the holding time. Client will resample.

Data Qualifiers

The following qualifiers have been applied to one or more analytical results:

None applied

Report Distribution

Recipient(s)	Report Format	CC:
Steve Shaw	FINAL.RPT	ahewitt@egwd.org

Certificate of Analysis

Sample ID: A5J1367-03
Sampled By: Aaron Hewitt
Sample Description: Railroad Backwash Wastewater - Composite 1 & 2 // Composited in Lab

Sample Date - Time: 10/13/15 - 10:26
Matrix: Waste Water
Sample Type: Composite

Composite Start: 10/13/15 - 10:26

BSK Associates Fresno

General Chemistry

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Total Kjeldahl Nitrogen	EPA 351.2	ND	1.0	mg/L	1	A512344	10/19/15	10/22/15	

Metals

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Copper	EPA 200.8	ND	5.0	ug/L	1	A512286	10/16/15	10/26/15	
Manganese	EPA 200.7	**0.12**	0.010	mg/L	1	A512286	10/16/15	10/20/15	
Zinc	EPA 200.8	ND	50	ug/L	1	A512286	10/16/15	10/26/15	

BSK Associates Fresno
General Chemistry Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
EPA 351.2 - Quality Control											
Batch: A512344										Prepared: 10/19/2015	
Prep Method: Digestion										Analyst: CEG	
Blank (A512344-BLK1)											
Total Kjeldahl Nitrogen	ND	1.0	mg/L							10/22/15	
Blank Spike (A512344-BS1)											
Total Kjeldahl Nitrogen	9.6	1.0	mg/L	10		96	90-110			10/22/15	
Blank Spike Dup (A512344-BSD1)											
Total Kjeldahl Nitrogen	9.5	1.0	mg/L	10		95	90-110	1	10	10/22/15	
Matrix Spike (A512344-MS1), Source: A5J1093-06											
Total Kjeldahl Nitrogen	20	1.0	mg/L	10	9.2	106	90-110			10/22/15	
Matrix Spike (A512344-MS2), Source: A5J1367-03											
Total Kjeldahl Nitrogen	9.6	1.0	mg/L	10	ND	96	90-110			10/22/15	
Matrix Spike Dup (A512344-MSD1), Source: A5J1093-06											
Total Kjeldahl Nitrogen	20	1.0	mg/L	10	9.2	104	90-110	1	10	10/22/15	
Matrix Spike Dup (A512344-MSD2), Source: A5J1367-03											
Total Kjeldahl Nitrogen	9.5	1.0	mg/L	10	ND	95	90-110	0	10	10/22/15	

BSK Associates Fresno
Metals Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
EPA 200.7 - Quality Control											
Batch: A512286										Prepared: 10/16/2015	
Prep Method: EPA 200.2										Analyst: NYY	
Blank (A512286-BLK2)											
Manganese	ND	0.010	mg/L							10/20/15	
Blank Spike (A512286-BS2)											
Manganese	0.20	0.010	mg/L	0.20		98	85-115			10/20/15	
Blank Spike Dup (A512286-BSD2)											
Manganese	0.19	0.010	mg/L	0.20		97	85-115	0	20	10/20/15	
Matrix Spike (A512286-MS3), Source: A5J1312-01											
Manganese	0.40	0.010	mg/L	0.20	0.21	96	70-130			10/20/15	
Matrix Spike Dup (A512286-MSD3), Source: A5J1312-01											
Manganese	0.39	0.010	mg/L	0.20	0.21	92	70-130	2	20	10/20/15	
EPA 200.8 - Quality Control											
Batch: A512286										Prepared: 10/16/2015	
Prep Method: EPA 200.2										Analyst: MAS	
Blank (A512286-BLK1)											
Copper	ND	5.0	ug/L							10/26/15	
Zinc	ND	50	ug/L							10/26/15	
Blank Spike (A512286-BS1)											
Copper	190	5.0	ug/L	200		96	85-115			10/26/15	
Zinc	190	50	ug/L	200		94	85-115			10/26/15	
Blank Spike Dup (A512286-BSD1)											
Copper	190	5.0	ug/L	200		97	85-115	0	20	10/26/15	
Zinc	190	50	ug/L	200		94	85-115	0	20	10/26/15	
Matrix Spike (A512286-MS1), Source: A5J1312-01											
Copper	190	5.0	ug/L	200	ND	94	70-130			10/26/15	
Zinc	180	50	ug/L	200	ND	90	70-130			10/26/15	
Matrix Spike (A512286-MS2), Source: A5J1312-02											
Copper	180	5.0	ug/L	200	ND	90	70-130			10/26/15	
Zinc	180	50	ug/L	200	ND	92	70-130			10/26/15	
Matrix Spike Dup (A512286-MSD1), Source: A5J1312-01											
Copper	180	5.0	ug/L	200	ND	90	70-130	4	20	10/26/15	
Zinc	180	50	ug/L	200	ND	88	70-130	2	20	10/26/15	
Matrix Spike Dup (A512286-MSD2), Source: A5J1312-02											
Copper	190	5.0	ug/L	200	ND	91	70-130	1	20	10/26/15	
Zinc	190	50	ug/L	200	ND	93	70-130	2	20	10/26/15	

BSK Associates Fresno

Metals Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual

EPA 200.8 - Quality Control

Batch: A512286

Prep Method: EPA 200.2

Prepared: 10/16/2015

Analyst: MAS

Certificate of Analysis

Notes:

- The Chain of Custody document and Sample Integrity Sheet are part of the analytical report.
- Any remaining sample(s) for testing will be disposed of according to BSK's sample retention policy unless other arrangements are made in advance.
- All positive results for EPA Methods 504.1 and 524.2 require the analysis of a Field Reagent Blank (FRB) to confirm that the results are not a contamination error from field sampling steps. If Field Reagent Blanks were not submitted with the samples, this method requirement has not been performed.
- Samples collected by BSK Analytical Laboratories were collected in accordance with the BSK Sampling and Collection Standard Operating Procedures.
- J-value is equivalent to DNQ (Detected, not quantified) which is a trace value. A trace value is an analyte detected between the MDL and the laboratory reporting limit. This result is of an unknown data quality and is only qualitative (estimated). Baseline noise, calibration curve extrapolation below the lowest calibrator, method blank detections, and integration artifacts can all produce apparent DNQ values, which contribute to the un-reliability of these values.
- (1) - Residual chlorine and pH analysis have a 15 minute holding time for both drinking and waste water samples as defined by the EPA and 40 CFR 136. Waste water and ground water (monitoring well) samples must be field filtered to meet the 15 minute holding time for dissolved metals.
- Summations of analytes (i.e. Total Trihalomethanes) may appear to add individual amounts incorrectly, due to rounding of analyte values occurring before or after the total value is calculated, as well as rounding of the total value.
- RL Multiplier is the factor used to adjust the reporting limit (RL) due to variations in sample preparation procedures and dilutions required for matrix interferences.
- Due to the subjective nature of the Threshold Odor Method, all characterizations of the detected odor are the opinion of the panel of analysts. The characterizations can be found in Standard Methods 2170B Figure 2170:1.
- The MCLs provided in this report (if applicable) represent the primary MCLs for that analyte.

Definitions

mg/L:	Milligrams/Liter (ppm)	MDL:	Method Detection Limit	MDA95:	Min. Detected Activity
mg/Kg:	Milligrams/Kilogram (ppm)	RL:	Reporting Limit: DL x Dilution	MPN:	Most Probable Number
µg/L:	Micrograms/Liter (ppb)	ND:	None Detected at RL	CFU:	Colony Forming Unit
µg/Kg:	Micrograms/Kilogram (ppb)	pCi/L:	Picocuries per Liter	Absent:	Less than 1 CFU/100mLs
%:	Percent Recovered (surrogates)	RL Mult:	RL Multiplier	Present:	1 or more CFU/100mLs
NR:	Non-Reportable	MCL:	Maximum Contaminant Limit		

Please see the individual Subcontract Lab's report for applicable certifications.

BSK is not accredited under the NELAC program for the following parameters: **NA**

Certifications: **Please refer to our website for a copy of our Accredited Fields of Testing under each certification.**

Fresno

State of California - ELAP	1180	State of Hawaii	4021
State of Nevada	CA000792016-1	State of Oregon - NELAC	4021
EPA - UCMR3	CA00079	State of Washington	C997-15

Sacramento

State of California - ELAP	2435

Vancouver

State of Oregon - NELAC	WA100008-007	State of Washington	C824-14a

A5J1367

10142015

ElkGr3556

Turnaround: Standard
Due Date: 10/28/2015

Elk Grove Water District

Printed: 10/14/2015 5:12:39PM

BSK Associates
Engineers & Laboratories
1414 Stanislaus St., Fresno, CA 93706
(559) 497-2888 Fax (559) 497-2893
www.bskassociates.com

2.4

A5J1367 10/14/2015
ElkGr3556 10

*Required Fields Temp:

Company/Client Name*:	Report Attention*:	Invoice To*:	Phone*:	Fax*:
Elk Grove Water District	Steve Shaw Additional cc's: Aaron Hewitt	PO#:	916-687-3155 ext.102	916-687-3157
			E-mail*: sshaw@egwd.org / ahewitt@egwd.org	

Address*:	City*:	State*:	Zip*:
9257 Elk Grove Blvd	Elk Grove	CA	95624

Regulatory Carbon Copies: ☐ CDPH ☐ Fresno Co ☐ Merced Co ☐ Tulare Co ☐ Madera Co ☐ Other: _____

Project: October 2015 Backwash Wastewater
Project #:

Reporting Options: ☐ Trace (J-Flag) ☐ Swamp ☐ EDD Type: _____
How would you like your completed results sent?* ☒ E-Mail ☐ Fax ☒ Mail

Regulatory Compliance: ☐ EDT to California DPH System Number*: _____ ☐ Geotracker #: _____

Sampler Name (Printed/Signature)*: Aaron Hewitt

TAT* **Surcharge
☒ **Standard** - 10 Business Days
☐ ****Rush**: Date Needed _____

Matrix Types: SW=Surface Water BW=Bottled Water GW=Ground Water WW=Waste Water STW=Storm Water DW=Drinking Water SO=Solid

#	Sample Description*	Sampled* Date	Sampled* Time	Matrix*	Comments / Station Code / WTRAX	B.O.D.	T.S.S.	T.K.N.	Heavy Metals (Totals) Cu, Mn, Zn	X Composite
1	Railroad Backwash Wastewater bottle 1	10-13-15	10:24	WW						
2	Railroad Backwash Wastewater bottle 2	10-13-15	10:24	WW						
3	Composite 1 & 2 (To be mixed by lab)	10-13-15		WW	WTRAX 17257	X	X	X	X	

Relinquished by: (Signature and Printed Name)	Company	Date	Time	Received by: (Signature and Printed Name)	Company
Aaron Hewitt	EGWD	10-13-15	3:33	S-Chen	BSK-SAC
Relinquished by: (Signature and Printed Name)	Company	Date	Time	Received by: (Signature and Printed Name)	Company
	BSK-SAC	10/13/15	1600		
Received for Lab by: (Signature and Printed Name)		Date	Time	Payment Received at Delivery:	Check / Cash
Caroline Whet		10/14/15	1102	Date: Amount: PIA#:	Init.

Shipping Method: ONTRAC UPS GSO WALK-IN FED EX Courier: _____
Cooling Method: Wet Blue None
Custody Seal: Y / N
Chilling Process Begun: Y / N

Payment for services rendered as noted herein are due in full within 30 days from the date invoiced. If not so paid, account balances are deemed delinquent. Delinquent balances are subject to monthly service charges and interest specified in BSK's current Standard Terms and Conditions for Laboratory Services. The person signing for the Client/Company acknowledges that they are either the Client or an authorized agent to the Client, that the Client agrees to be responsible for payment for the services on this Chain of Custody, and agrees to BSK's terms and conditions for laboratory services unless contractually bound otherwise. BSK's current terms and conditions can be found at www.bskassociates.com/BSKLabTermsConditions.pdf

Sample Integrity

BSK Bottles: (Yes) No Page 1 of 1

COC Info

Was temperature within range? Chemistry ≤ 6°C Micro < 10°C	(Yes) No NA	Were correct containers and preservatives received for the tests requested?	(Yes) No NA
If samples were taken today, is there evidence that chilling has begun?	Yes No (NA)	Were there bubbles in the VOA vials? (Volatiles Only)	Yes No (NA)
Did all bottles arrive unbroken and intact?	(Yes) No	Was a sufficient amount of sample received?	(Yes) No
Did all bottle labels agree with COC?	(Yes) No	Do samples have a hold time <72 hours?	(Yes) No
Was sodium thiosulfate added to CN sample(s) until chlorine was no longer present?	Yes No (NA)	Was PM notified of discrepancies? PM: By/Time:	Yes No (NA)

Bottles Received — "—" means preservation/chlorine checks are either N/A or are performed in the lab

250ml(A) 500ml(B) 1Liter(C) 40ml VOA(V)	Checks	Passed?	1-2	3				
Bacti $Na_2S_2O_3$	—	—						
None (P) White Cap	—	—	1C	(1A)(1C)				
Cr6 (P) Br. Green Label $NH_4OH(NH_4)_2SO_4$ **DW**	Cl, pH > 8	Y N						
Cr6 (P) Pink Label $NH_4OH(NH_4)_2SO_4$ **WW**	pH 9.3-9.7	Y N						
Cr6 (P) Pink Label $NH_4OH(NH_4)_2SO_4$ **7199** ***24 HOUR HOLD TIME***	pH 9.0-9.5	Y N						
HNO_3 (P) Red Cap	—	—		(1A)				
H_2SO_4 (P) or (AG) Yellow Cap/Label	pH < 2	Y N		(1H)				
NaOH (P) Green Cap	Cl, pH >10	Y N						
NaOH + ZnAc (P)	pH > 9	Y N						
Dissolved Oxygen 300ml (g)	—	—						
None (AG) 608/8081/8082, 625, 632/8321 8151, 8270	—	—						
HCl (AG) Lt. Blue Label O&G, Diesel	—	—						
Na_2O_3S+HCl (AG) Lt. Pink Label 525	—	—						
$Na_2S_2O_3$ 1 Liter (Brown P) 549	—	—						
$Na_2S_2O_3$ (AG) Blue Label 547,515.548,THM,524	—	—						
$Na_2S_2O_3$ (CG) Blue Label 504, 505	—	—						
$Na_2S_2O_3$ + MCAA (CG) Orange Label 531	pH < 3	Y N						
NH_4Cl (AG) Purple Label 552	—	—						
EDA (AG) Brown Label DBPs	—	—						
HCL (CG) 524.2,BTEX,Gas, MTBE, 8260/624	—	—						
Buffer pH 4 (CG)	—	—						
None (CG)	—	—						
H_3PO_4 (CG) Salmon Label	—	—						
Other:								
Asbestos 1Liter Plastic w/ Foil	—	—						
Low Level Hg / Metals Double Baggie	—	—						
Bottled Water	—	—						
Clear Glass Jar: 250 / 500 / 1 Liter	—	—						
Soil Tube Brass / Steel / Plastic	—	—						
Tedlar Bag / Plastic Bag	—	—						

2 samples CW 10/14/15

Split

	Container	Preservative	Date/Time/Initials		Container	Preservative	Date/Time/Initials
S P				S P			
S P				S P			

Comments

Labeled by: JH @ 17:46 Labels checked by: CW @ 755 RUSH Paged by: _____ @ _____

External

A5J1367

Abalone Coast Analytical, Inc
141 Suburban Road, Suite C-1 San Luis Obispo CA, 93401
Phone: 595-1080 Fax: 595-1080

Order #: 15-6067
Date/Time Rec'd: 10/16/15 1307

BSK Associates
1414 Stanislaus St
Fresno, CA 93706

Contact: Michael Ng
Phone: 559-497-2888x118
Sampler:

Project: **A5J1367-03**

Sample #	Sample Description	Date / Time	Analysis	Method	Result	Units	MDL	RL	Completed
-1	**Railroad Backwash**	**10/13/15 1026**	Suspended Solids	SM 2540 D.	**ND.**	mg/L	2.57	3	**10/20/15**
	Wastewater-Comp 1 & 2								

Report Completion Date: **10/20/15** Reviewed By: Amanda Smith

ND = Analyte NOT DETECTED at RL
* Result detected below the RL are estimated concentration

BSK Analytical Laboratories

SUBCONTRACT ORDER

A5J1367

SENDING LABORATORY:

BSK Associates Fresno
1414 Stanislaus St
Fresno, CA 93706
Phone: 559-497-2888 x118
Fax: 559-485-6935
Project Manager: Michael Ng
E-mail: mng@bskinc.com

RECEIVING LABORATORY:

Abalone Coast Analytical, Inc.
141 Suburban, Suite C-1
San Luis Obispo, CA 93401
Phone :(805) 595-1080
Fax: (805) 595-1080
Turnaround (Days): Standard
QC Deliverables: I (Std) III IV

Sample ID	Samp Desc	Sample Date
A5J1367-03	**Railroad Backwash Wastewater - Composite 1 & 2**	**10/13/2015 10:26**

Sample Alias: Composited in Lab
Matrix: Water

Analysis: 2540D-1
TSS, Total Suspended Solids

15-6067

Client
Intact
no sed
9°C

Released By — Date — Received By — Date: 10/15/15 1230

Released By — Date — Received By — Date: 10/16/15 1307

BSK Associates
Engineers & Laboratories

BSK Associates Fresno
1414 Stanislaus St
Fresno, CA93706
559-497-2888 (Main)
559-485-6935 (FAX)

A5J1796
10/30/2015
Invoice: A523321

Steve Shaw
Elk Grove Water District
9257 Elk Grove Boulevard
Elk Grove, CA 95624

RE: Report for A5J1796 General

Dear Steve Shaw,

Thank you for using BSK Associates for your analytical testing needs. In the following pages, you will find the test results for the samples submitted to our laboratory on 10/21/2015. The results have been approved for release by our Laboratory Director as indicated by the authorizing signature below.

The samples were analyzed for the test(s) indicated on the Chain of Custody (see attached) and the results relate only to the samples analyzed. BSK certifies that the testing was performed in accordance with the quality system requirements specified in the 2009 TNI Standard. Any deviations from this standard or from the method requirements for each test procedure performed will be annotated alongside the analytical result or noted in the Case Narrative. Unless otherwise noted, the sample results are reported on an "as received" basis.

If additional clarification of any information is required, please contact your Project Manager, Michael Ng , at (800) 877-8310 or (559) 497-2888 x118.

Thanks again for using BSK Associates. We value your business and appreciate your loyalty.

Sincerely,

Michael Ng, Client Services Manager

NELAP ACCREDITED TNI LABORATORY

Accredited in Accordance with NELAP
ORELAP #4021

Case Narrative

Project and Report Details		Invoice Details	
Client:	Elk Grove Water District	**Invoice To:**	Elk Grove Water District
Report To:	Steve Shaw	**Invoice Attn:**	Steve Shaw
Project #:	Oct 2015 Railroad Backwash Wastewater #2 Resample	**Project PO#:**	-
Received:	10/21/2015 - 10:30		
Report Due:	10/30/2015		

Sample Receipt Conditions

Cooler: Default Cooler

Temperature on Receipt °C: 0.0

Containers Intact
COC/Labels Agree
Received On Wet Ice
Packing Material - Bubble Wrap
Sample(s) were received in temperature range.
Initial receipt at BSK-SAC

Data Qualifiers

The following qualifiers have been applied to one or more analytical results:

None applied

Report Distribution

Recipient(s)	Report Format	CC:
Steve Shaw	FINAL.RPT	wquintero@egwd.org;ahewitt@egwd.org

Certificate of Analysis

Sample ID: A5J1796-03
Sampled By: Aaron Hewitt
Sample Description: Railroad Backwash Wastewater - Composite // 17257

Sample Date - Time: 10/20/15 - 10:25
Matrix: Waste Water
Sample Type: Composite

Composite Start: 10/20/15 - 10:25

BSK Associates Fresno

General Chemistry

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Biochemical Oxygen Demand	SM 5210B	ND	1.0	mg/L	1	A512459	10/21/15 17:24	10/26/15	

BSK Associates Fresno
General Chemistry Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
SM 5210B - Quality Control											
Batch: A512459										Prepared: 10/21/2015	
Prep Method: Method Specific Preparation										Analyst: NDR	
Blank (A512459-BLK1)											
Biochemical Oxygen Demand	ND	1.0	mg/L							10/26/15	
Blank Spike (A512459-BS1)											
Biochemical Oxygen Demand	220	1.0	mg/L	200		109	85-115			10/26/15	
Duplicate (A512459-DUP1), Source: A5J1842-02											
Biochemical Oxygen Demand	66	9.0	mg/L		67			2	10	10/26/15	

Certificate of Analysis

Notes:

- The Chain of Custody document and Sample Integrity Sheet are part of the analytical report.
- Any remaining sample(s) for testing will be disposed of according to BSK's sample retention policy unless other arrangements are made in advance.
- All positive results for EPA Methods 504.1 and 524.2 require the analysis of a Field Reagent Blank (FRB) to confirm that the results are not a contamination error from field sampling steps. If Field Reagent Blanks were not submitted with the samples, this method requirement has not been performed.
- Samples collected by BSK Analytical Laboratories were collected in accordance with the BSK Sampling and Collection Standard Operating Procedures.
- J-value is equivalent to DNQ (Detected, not quantified) which is a trace value. A trace value is an analyte detected between the MDL and the laboratory reporting limit. This result is of an unknown data quality and is only qualitative (estimated). Baseline noise, calibration curve extrapolation below the lowest calibrator, method blank detections, and integration artifacts can all produce apparent DNQ values, which contribute to the un-reliability of these values.
- (1) - Residual chlorine and pH analysis have a 15 minute holding time for both drinking and waste water samples as defined by the EPA and 40 CFR 136. Waste water and ground water (monitoring well) samples must be field filtered to meet the 15 minute holding time for dissolved metals.
- Summations of analytes (i.e. Total Trihalomethanes) may appear to add individual amounts incorrectly, due to rounding of analyte values occurring before or after the total value is calculated, as well as rounding of the total value.
- RL Multiplier is the factor used to adjust the reporting limit (RL) due to variations in sample preparation procedures and dilutions required for matrix interferences.
- Due to the subjective nature of the Threshold Odor Method, all characterizations of the detected odor are the opinion of the panel of analysts. The characterizations can be found in Standard Methods 2170B Figure 2170:1.
- The MCLs provided in this report (if applicable) represent the primary MCLs for that analyte.

Definitions

mg/L:	Milligrams/Liter (ppm)	MDL:	Method Detection Limit	MDA95:	Min. Detected Activity
mg/Kg:	Milligrams/Kilogram (ppm)	RL:	Reporting Limit: DL x Dilution	MPN:	Most Probable Number
µg/L:	Micrograms/Liter (ppb)	ND:	None Detected at RL	CFU:	Colony Forming Unit
µg/Kg:	Micrograms/Kilogram (ppb)	pCi/L:	Picocuries per Liter	Absent:	Less than 1 CFU/100mLs
%:	Percent Recovered (surrogates)	RL Mult:	RL Multiplier	Present:	1 or more CFU/100mLs
NR:	Non-Reportable	MCL:	Maximum Contaminant Limit		

Please see the individual Subcontract Lab's report for applicable certifications.

BSK is not accredited under the NELAC program for the following parameters: **NA**

Certifications: **Please refer to our website for a copy of our Accredited Fields of Testing under each certification.**

Fresno

State of California - ELAP	1180	State of Hawaii	4021
State of Nevada	CA000792016-1	State of Oregon - NELAC	4021
EPA - UCMR3	CA00079	State of Washington	C997-15

Sacramento

State of California - ELAP	2435

Vancouver

State of Oregon - NELAC	WA100008-007	State of Washington	C824-14a

A5J1796

10212015

ElkGr3556

Turnaround: Standard

Due Date: 11/4/2015

Elk Grove Water District

Printed: 10/21/2015 3:42:57PM

BSK Associates
Engineers & Laboratories
1414 Stanislaus St., Fresno, CA 93706
(559) 497-2888 Fax (559) 497-2893
www.bskassociates.com

A5J1796 10/21/2015
ElkGr3556 10

0.0

DDY

*Required Fields

Temp:

Company/Client Name*:	Report Attention*:	Invoice To*:	Phone*:	Fax*:
Elk Grove Water District	Steve Shaw Additional cc's: Aaron Hewitt	PO#:	916-687-3155 ext.102	916-687-3157

E-mail*: sshaw@egwd.org / ahewitt@egwd.org

Address*:	City*:	State*:	Zip*:
9257 Elk Grove Blvd	Elk Grove	CA	95624

Regulatory Carbon Copies: CDPH ☐ Fresno Co ☐ Merced Co ☐ Tulare Co ☐ Madera Co ☐ Other: ____

Project: October 2015 Backwash Wastewater #2

Project #:

Reporting Options: ☐ Trace (J-Flag) ☐ Swamp ☐ EDD Type: ____

How would you like your completed results sent?* ☒ E-Mail ☐ Fax ☒ Mail

Regulatory Compliance: ☐ EDT to California DPH System Number*: ____

Sampler Name (Printed/Signature)*: Aaron Hewitt

TAT* **Surcharge
☒ Standard - 10 Business Days
☐ **Rush: Date Needed ____

☐ Geotracker #: ____

Matrix Types: SW=Surface Water BW=Bottled Water GW=Ground Water WW=Waste Water STW=Storm Water DW=Drinking Water SO=Solid

#	Sample Description*	Sampled* Date	Sampled* Time	Matrix*	Comments / Station Code / WTRAX	B.O.D.
1	Railroad Backwash Wastewater bottle 1	10-20-15	[illegible]	WW		
2	Railroad Backwash Wastewater bottle 2	10-20-15	[illegible]	WW		
3	Composite 1 & 2 (To be mixed by lab)	10-20-15		WW	WTRAX 17257	X

Relinquished by: (Signature and Printed Name)	Company	Date	Time	Received by: (Signature and Printed Name)	Company
Aaron Hewitt	EGWD	10-20-15	2:20		BSK-FNO
Relinquished by: (Signature and Printed Name)	Company	Date	Time	Received by: (Signature and Printed Name)	Company
	BSK-AC	10/21/15	1100		
Received for Lab by: (Signature and Printed Name)		Date	Time	Payment Received at Delivery:	Check / Cash
Caroline Wheeler		10/21/15	1032	Date: Amount: PIA#:	Init.

Shipping Method: ONTRAC UPS GSO WALK-IN FED EX Courier: ____

Cooling Method: Wet Blue None

Custody Seal: Y N

Chilling Process Begun: Y N

BSK Associates SR-FL-0002-14

A5J1796 10/21/2015
ElkGr3556 10

Sample Integrity

BSK Bottles: (Yes) No Page 1 of 1

COC Info

Was temperature within range? Chemistry ≤ 6°C Micro < 10°C	Yes No NA	Were correct containers and preservatives received for the tests requested?	Yes No NA
If samples were taken today, is there evidence that chilling has begun?	Yes No NA	Were there bubbles in the VOA vials? (Volatiles Only)	Yes No NA
Did all bottles arrive unbroken and intact?	Yes No	Was a sufficient amount of sample received?	Yes No
Did all bottle labels agree with COC?	Yes No	Do samples have a hold time <72 hours?	Yes No
Was sodium thiosulfate added to CN sample(s) until chlorine was no longer present?	Yes No NA	Was PM notified of discrepancies? PM: By/Time:	Yes No NA

Bottles Received

"I" means preservation/chlorine checks are either N/A or are performed in the lab

250ml(A) 500ml(B) 1Liter(C) 40ml VOA(V)	Checks	Passed?	1-2	3				
Bacti $Na_2S_2O_3$	—	—						
None (P) White Cap	—	—	IC	IC				
Cr6 (P) Br. Green Label $NH_4OH(NH_4)_2SO_4$ DW	Cl, pH > 8	Y N						
Cr6 (P) Pink Label $NH_4OH(NH_4)_2SO_4$ WW	pH 9.3-9.7	Y N						
Cr6 (P) Pink Label $NH_4OH(NH_4)_2SO_4$ 7199 ***24 HOUR HOLD TIME***	pH 9.0-9.5	Y N						
HNO_3 (P) Red Cap	—	—						
H_2SO_4 (P) or (AG) Yellow Cap/Label	pH < 2	Y N						
NaOH (P) Green Cap	Cl, pH >10	Y N						
NaOH + ZnAc (P)	pH > 9	Y N						
Dissolved Oxygen 300ml (g)	—	—						
None (AG) 608/8081/8082, 625, 632/8321, 8151, 8270	—	—						
HCl (AG) Lt. Blue Label O&G, Diesel	—	—						
Na_2O_3S+HCl (AG) Lt. Pink Label 525	—	—						
$Na_2S_2O_3$ 1 Liter (Brown P) 549	—	—						
$Na_2S_2O_3$ (AG) Blue Label 547,515,548,THM,524	—	—						
$Na_2S_2O_3$ (CG) Blue Label 504, 505	—	—						
$Na_2S_2O_3$ + MCAA (CG) Orange Label 531	pH < 3	Y N						
NH_4Cl (AG) Purple Label 552	—	—						
EDA (AG) Brown Label DBPs	—	—						
HCL (CG) 524.2,BTEX,Gas, MTBE, 8260/624	—	—						
Buffer pH 4 (CG)	—	—						
None (CG)	—	—						
H_3PO_4 (CG) Salmon Label	—	—						
Other:								
Asbestos 1Liter Plastic w/ Foil	—	—						
Low Level Hg / Metals Double Baggie	—	—						
Bottled Water	—	—						
Clear Glass Jar: 250 / 500 / 1 Liter	—	—						
Soil Tube Brass / Steel / Plastic	—	—						
Tedlar Bag / Plastic Bag	—	—						

10/21/15

Split

	Container	Preservative	Date/Time/Initials		Container	Preservative	Date/Time/Initials
S P				S P			
S P				S P			

Comments

Labeled by: MO @ 1435 Labels checked by: MC @ 1503 RUSH Paged by: _____ @ _____

Year: 2015

Elk Grove Water District

Preventative Maintenance Program

M.C.C. and Lab

Item		Quarterly Refer.	1st	2nd	3rd	4th	Annual Refer.	2015
Fume Hood	Initials	Sect: 1.1.1	AH	AH	AH		Sect: 1.2.3	
	Date		3/31/15	6/11/15	9/21/15			
	W.O. #		12205	12720	13054			
Dulco-meter	Initials	Sect: 1.1.2	AH	AH	AH			
	Date		2/25/15	6/11/15	9/21/15			
	W.O. #		12205	12720	13054			
M.C.C.	Initials						Sect: 1.2.1	
	Date							
	W.O. #							
Circuit Breaker	Initials						Sect: 1.2.2	
	Date							
	W.O. #							
Cl2 DPD Handheld	Initials	Sect: 1.1.3	WQ	WQ/AH	WQ			
	Date		2/23/15	6/15/15	9/14/15			
	W.O. #		12205	12720	13054			

Year: 2015

Elk Grove Water District

Preventative Maintenance Program

Backwash System and Storage Tanks

Item		MONTHLY												Semi-annual			Annu./Bi-annu.		
		Refer.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Refer.	1ST 6-MO.	2ND 6-MO.	Refer.	2015	Periodic
Mag meter	Initials																	Sect: 2.3.2		
	Date																			
	W.O. #																			
MCC	Initials																	Sect: TBD		
	Date																			
	W.O. #																			
Pressure Transdcr	Initials																	Sect: 2.2.1		
	Date																			
	W.O. #																			
Backwash Tank	Initials																	Sect: 2.3.4		
	Date																			
	W.O. #																			
Return Pumps	Initials	Sect: TBD	AH	WQ	AH	AH	WQ	AH	AH	WQ	AH	WQ			Sect: TBD	AH/WQ				
	Date		1/15/15	2/24/15	3/23/15	4/27/15	5/27/15	6/8/15	7/23/15	8/27/15	9/14/15	10/27/15				6/12/15				
	W.O. #		11842	12210	12302	12520	12603	12718	12840	12975	13034	13211				12719				
Storage Tanks	Initials																	Sect: 2.4.1		
	Date																			
	W.O. #																			
Bray Valves	Initials																	Sect: 2.2.2		
	Date																			
	W.O. #																			

Year: 2015

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	Refer.	1ST 6-MO.	2ND 6-MO.	Refer.	2015
Electric Motor	Initials	Sect: 3.1.1	AH	WQ	AH	AH	WQ	WQ	AH	AH	AH	WQ			Sect: 3.2.1	AH			
	Date		1/15/15	2/10/15	3/23/15	4/27/15	5/19/15	6/18/15	7/23/15	8/24/15	9/14/15	10/27/15				6/30/15			
	W.O. #		11846	2196	12303	12519	12605	12721	12837	12974	13033	13210				12722			
PUMP	Initials	Sect: 3.1.2	AH	WQ	AH	AH	WQ	WQ	AH	AH	AH	WQ						Sect: 3.2.4	
	Date		1/15/15	2/10/15	3/23/15	4/27/15	5/19/15	6/18/15	7/23/15	8/24/15	9/14/15	10/27/15							
	W.O. #		11846	12196	12303	12519	12605	12721	12837	12974	13033	13210							
A.R.V.	Initials																	Sect: 3.3.1	WQ
	Date																		2/20/15
	W.O. #																		12203
Rising stem Valve	Initials																	Sect: 3.3.3	WQ/AH
	Date																		3/30/15
	W.O. #																		12203

Year: 2015

Elk Grove Water District

Preventative Maintenance Program

Clor-Tec System

Item		Monthly Refer.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Quarterly Refer.	1st	2nd	3rd	4th	Annual Refer.	2015
Cl2 Meter System	Initials	Sect: 4.2.1	WQ	WQ	WQ	WQ	WQ	WQ	AH	WQ	WQ	WQ								Sect: 4.4.1	
	Date		1/13/15	2/5/15	3/11/15	4/16/15	5/27/15	6/10/15	7/23/15	8/10/15	9/2/15	10/21/15									
	W.O. #		11624	12190	12294	12517	12607	12714	12841	12973	13031	13209									
Exhaust Fan	Initials														Sect: 4.3.1	WQ	WQ	AH/WQ			
	Date															2/25/15	6/30/15	9/24/15			
	W.O. #															12202	12715	13053			
Hydrogen Blow/Det.	Initials																			Section: 4.4.2/4.4.3	
	Date																				
	W.O. #																				
Cell and Electrode	Initials														Sect: 4.3.2	WQ	WQ	WQ			
	Date															2/18/15	6/10/15	9/14/15			
	W.O. #															12202	12715	13053			
Hypo/Brine Tank	Initials	Sect: 4.2.3	WQ	WQ	WQ	WQ	WQ	WQ	AH	WQ	WQ	WQ								Sect: 4.4.5	
	Date		1/13/15	2/5/15	3/11/15	4/16/15	5/27/15	6/10/15	7/23/15	8/10/15	9/2/15	10/21/15									
	W.O. #		11624	12190	12294	12517	12607	12714	12841	12973	13031	13209									
Water Softener	Initials																			Sect: 4.4.6	
	Date																				
	W.O. #																				
Rectifier	Initials	Sect: 4.2.4	WQ	WQ	WQ	WQ	WQ	WQ	AH	WQ	WQ	WQ									
	Date		1/13/15	2/5/15	3/11/15	4/16/15	5/27/15	6/10/15	7/23/15	8/10/15	9/2/15	10/21/15									
	W.O. #		11624	12190	12294	12517	12607	12714	12841	12973	13031	13209									
Clor-Tec Unit	Initials	Sect: 4.2.2	WQ	WQ	WQ	WQ	WQ	WQ	AH	WQ	WQ	WQ								Sect: 4.4.4	
	Date		1/13/15	2/5/15	3/11/15	4/16/15	5/27/15	6/10/15	7/23/15	8/10/15	9/2/15	10/21/15									
	W.O. #		11624	12190	12294	12517	12607	12714	12841	12973	13031	13209									

Year: 2015

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.	2015
Air/Vac Valves	Initials																	Sect: 5.2.1	
	Date																		
	W.O. #																		
Bray Valves	Initials														Sect: 5.2.2	AH			
	Date															6/18/15			
	W.O. #															12724			
CLA-VAL	Initials																	Sect: 5.3.1	
	Date																		
	W.O. #																		
Pilot Valves	Initials	Sect: 5.1.1	AH	AH/WQ	AH/WQ	AH	WQ	WQ	AH	AH	WQ	WQ						Sect: 5.3.2	
	Date		1/15/15	2/9/15	3/18/15	4/27/15	5/18/15	6/18/15	7/20/15	8/24/15	9/8/15	10/21/15							
	W.O. #		11845	12194	12299	12508	12606	12723	12838	12976	13035	13213							
Press. Diff. Trnsdcr.	Initials																	Sect: 5.3.3	
	Date																		
	W.O. #																		
Vessels	Initials																	Sect: 5.3.4	
	Date																		
	W.O. #																		

Year: 2015

Elk Grove Water District

Preventative Maintenance Program

Standby Generator

Item		Monthly												Semi-annual			Annual/Biannual		
		Refer	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Refer	1ST 6-MO.	2ND 6-MO.	Refer	2015	Periodic
Fuel Tank	Initials	Sect: 6.1.1	WQ	WQ	AH	WQ	WQ	AH	WQ	WQ	WQ	WQ			Sect: 6.2.1	AH		Sect: 6.3.1		
	Date		1/8/15	2/6/15	3/30/15	5/1/15	5/27/15	6/17/15	7/2/15	8/10/15	9/17/15	10/28/15				6/17/15				
	W.O. #		11550	12192	12311	12501	12604	12716	12839	12977	13032	13212				12717				
Radiator	Initials														Sect: 6.2.2	AH		Section: 6.3.2/6.4.1		
	Date															6/17/15				
	W.O. #															12717				
Battery/ Charger	Initials	Sect: 6.1.2	WQ	WQ	AH	WQ	WQ	AH	WQ	WQ	WQ	WQ								
	Date		1/8/15	2/6/15	3/30/15	5/1/15	5/27/15	6/17/15	7/2/15	8/10/15	9/17/15	10/28/15								
	W.O. #		11550	12192	12311	12501	12604	12716	12839	12977	13032	13212								
Coolant Heater	Initials																	Sect: 6.3.3		
	Date																			
	W.O. #																			
Generator	Initials	Sect: 6.1.3	WQ	WQ	AH	WQ	WQ	JD	WQ	WQ	WQ	WQ								
	Date		1/8/15	2/6/15	3/30/15	5/1/15	5/27/15	6/5/15	7/2/15	8/10/15	9/17/15	10/29/15								
	W.O. #		11550	12192	12311	12501	12604	12716	12839	12977	13032	13212								
Engine	Initials														Sect: 6.2.3	AH		Section: 6.3.4/6.4.2		
	Date															6/17/15				
	W.O. #															12717				

Year: 2015

Elk Grove Water District

Preventative Maintenance Program

Well 1D School

Item		Monthly Refer.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Semi-annual Refer.	1ST 6-MO.	2ND 6-MO.	Annual Refer.	2015
Pump	Initials	Sect: 13.1.1	WQ	WQ	WQ	AH	AH	WQ	WQ	WQ	WQ	AH			Sect: 13.2.1	AH/WQ			
	Date		1/9/15	2/10/15	3/3/15	4/1/15	5/27/15	6/16/15	7/13/15	8/24/15	9/17/15	10/15/15				6/22/15			
	W.O. #		11831	12195	12310	12514	12599	12727	12845	12979	13047	13208				12728			
Motor	Initials	Sect: 13.1.2	WQ	WQ	WQ	AH	AH	WQ	WQ	WQ	WQ	AH			Sect: 13.2.2	AH/WQ			
	Date		1/9/15	2/10/15	3/3/15	4/1/15	5/27/15	6/16/15	7/13/15	8/24/15	9/17/15	10/15/15				6/22/15			
	W.O. #		11831	12195	12310	12514	12599	12727	12845	12979	13047	13208				12728			
Press/Lvl Transdcr.	Initials																	Sect: 13.3.2	
	Date																		
	W.O. #																		
Isolation Valves	Initials																	Sect: 13.3.6	WQ
	Date																		4/13/15
	W.O. #																		12512
Cla-Val	Initials																	Sect: 13.3.1	
	Date																		
	W.O. #																		
Mag-Meter	Initials																	Sect: 13.3.3	
	Date																		
	W.O. #																		
A.R.V.	Initials														Sect: 13.2.3	AH/WQ		Sect: 13.3.4	
	Date															6/22/15			
	W.O. #															12728			
M.C.C.	Initials																	Sect: 13.3.5	
	Date																		
	W.O. #																		

Year: 2015

Elk Grove Water District

Preventative Maintenance Program

Well 4D Webb

Item		Monthly													Semi-annual			Annual/Biannual		
		Refer.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Refer.	1ST 6-MO.	2ND 6-MO.	Refer.	2015	Periodic
Pump	Initials	Sect: 8.1.1	WQ	WQ	WQ	WQ	WQ	WQ	AH	WQ	WQ	WQ			Sect: 8.2.1	WQ				
	Date		1/7/15	2/12/15	3/17/15	4/2/15	5/6/15	6/15/15	7/15/15	8/17/15	9/3/15	10/7/15				6/29/15				
	W.O. #		11829	12198	12300	12502	12602	12731	12847	12983	13036	13207				12732				
Motor	Initials	Sect: 8.1.2	WQ	WQ	WQ	WQ	WQ	WQ	AH	WQ	WQ	WQ			Sect: 8.2.2	WQ				
	Date		1/7/15	2/12/15	3/17/15	4/2/15	5/6/15	6/15/15	7/15/15	8/17/15	9/3/15	10/7/15				6/29/15				
	W.O. #		11829	12198	12300	12502	12602	12731	12847	12983	13036	13207				12732				
Press/Lvl Transdcr.	Initials																	Sect: 8.3.2		
	Date																			
	W.O. #																			
Isolation Valves	Initials																	Sect: 8.3.6	WQ	
	Date																		4/13/15	
	W.O. #																		12207	
Cla-Val	Initials																	Sect: 8.3.1		
	Date																			
	W.O. #																			
Mag-Meter	Initials																	Sect: 8.3.3		
	Date																			
	W.O. #																			
A.R.V.	Initials														Sect: 8.2.3	WQ		Sect: 8.3.4		
	Date															6/29/15				
	W.O. #															12732				
M.C.C.	Initials																	Sect: 8.3.5		
	Date																			
	W.O. #																			
Portable Generator	Initials	Sect: 8.1.3	WQ	WQ	WQ	WQ	WQ	WQ	AH	WQ	WQ	WQ			Sect: 8.2.4	WQ		Section: 8.3.7/8.4.1		
	Date		1/7/15	2/12/15	3/17/15	4/2/15	5/6/15	6/15/15	7/15/15	8/17/15	9/3/15	10/7/15				6/29/15				
	W.O. #		11829	12198	12300	12502	12602	12731	12847	12983	13036	13207				12732				
Generator Set	Initials																	Sect: 8.4.2		
	Date																			
	W.O. #																			

Year: 2015

Elk Grove Water District

Preventative Maintenance Program

Well 11D Dino

Item		Monthly Refer.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Semi-annual Refer.	1ST 6-MO.	2ND 6-MO.	Annual/Biannual Refer.	2015	Periodic
Pump	Initials	Sect: 9.1.1	WQ	WQ	WQ	AH	AH	WQ	WQ	WQ	WQ	WQ			Sect: 9.2.1	WQ				
	Date		1/6/15	2/2/15	3/24/15	4/2/15	5/27/15	6/15/15	7/15/15	8/17/15	9/9/15	10/20/15				6/29/15				
	W.O. #		11827	12186	12304	12503	12601	12725	12846	12982	13037	13206				12726				
Motor	Initials	Sect: 9.1.2	WQ	WQ	WQ	AH	AH	WQ	WQ	WQ	WQ	WQ			Sect: 9.2.2	WQ				
	Date		1/6/15	2/2/15	3/24/15	4/2/15	5/27/15	6/15/15	7/15/15	8/17/15	9/9/15	10/20/15				6/29/15				
	W.O. #		11827	12186	12304	12503	12601	12725	12846	12982	13037	13206				12726				
Press/Lvl Transdcr.	Initials																	Sect: 9.3.2		
	Date																			
	W.O. #																			
Isolation Valves	Initials																	Sect: 9.3.6	WQ	
	Date																		4/13/15	
	W.O. #																		12206	
Cla-Val	Initials																	Sect: 9.3.1		
	Date																			
	W.O. #																			
Mag-Meter	Initials																	Sect: 9.3.3		
	Date																			
	W.O. #																			
A.R.V.	Initials														Sect: 9.2.3	WQ		Sect: 9.3.4		
	Date															6/29/15				
	W.O. #															12726				
M.C.C.	Initials																	Sect: 9.3.5		
	Date																			
	W.O. #																			
Portable Generator	Initials	Sect: 9.1.3	WQ	WQ	WQ	AH	AH	WQ	WQ	WQ	WQ	WQ			Sect: 9.2.4	WQ		Section: 9.3.7/9.4.1		
	Date		1/6/15	2/2/15	3/24/15	4/2/15	5/27/15	6/15/15	7/15/15	8/17/15	9/9/15	10/20/15				6/29/15				
	W.O. #		11827	12186	12304	12503	12601	12725	12846	12982	13037	13206				12726				
Generator Set	Initials																	Sect: 9.4.2		
	Date																			
	W.O. #																			

Year: 2015

Elk Grove Water District

Preventative Maintenance Program

Well 14D Railroad

Item		Monthly Refer.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Semi-annual Refer.	1ST 6-MO.	2ND 6-MO.	Annual Refer.	2015
Pump	Initials	Sect: 7.1.1	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ			Sect: 7.2.1	WQ			
	Date		1/8/15	2/4/15	3/30/15	4/1/15	5/20/15	6/17/15	7/2/15	8/24/15	9/15/15	10/1/15				6/29/15			
	W.O. #		11830	12188	12308	12504	12600	12735	12844	12978	13039	13202				12736			
Motor	Initials	Sect: 7.1.2	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ			Sect: 7.2.2	WQ			
	Date		1/8/15	2/4/15	3/30/15	4/1/15	5/20/15	6/17/15	7/2/15	8/24/15	9/15/15	10/1/15				6/29/15			
	W.O. #		11830	12188	12308	12504	12600	12735	12844	12978	13039	13202				12736			
Press/Lvl Transdcr.	Initials																	Sect: 7.3.2	
	Date																		
	W.O. #																		
Isolation Valves	Initials																	Sect: 7.3.6	WQ
	Date																		3/6/15
	W.O. #																		12293
Cla-Val	Initials																	Sect: 7.3.1	
	Date																		
	W.O. #																		
Mag-Meter	Initials																	Sect: 7.3.3	
	Date																		
	W.O. #																		
A.R.V.	Initials														Sect: 7.2.3	WQ		Sect: 7.3.4	
	Date															6/29/15			
	W.O. #															12736			
M.C.C.	Initials																	Sect: 7.3.5	
	Date																		
	W.O. #																		

Year: 2015

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.	2010	2nd	3rd	4th	Refer.	1ST 6-MO.	2ND 6-MO.	Refer.	2015
Motor	Initials	Section: 12.1.2	AH	WQ	AH	WQ	WQ	WQ	WQ	WQ	WQ	AH								Section: 12.3.2	WQ/AH			
	Date		1/9/15	2/5/15	3/25/15	4/6/15	5/7/15	6/15/15	7/16/15	8/26/15	9/16/15	10/26/15									6/22/15			
	W.O. #		11832	12191	12306	12506	12598	12733	12843	12981	13048	13205									12740			
Pump	Initials	Section: 12.1.1	AH	WQ	AH	WQ	WQ	WQ	WQ	WQ	WQ	AH								Section: 12.3.1	WQ			
	Date		1/9/15	2/5/15	3/25/15	4/6/15	5/7/15	6/16/15	7/16/15	8/26/15	9/16/15	10/26/15									6/22/15			
	W.O. #		11832	12191	12306	12506	12598	12733	12843	12981	13048	13205									12740			
Chlorine Pump	Initials														Section: 12.2.1	WQ	WQ	WQ						
	Date															2/24/15	6/15/15	9/24/15						
	W.O. #															12208	12734	13051						
Air Charger	Initials														Section: 12.2.2	WQ	WQ	WQ						
	Date															2/24/15	6/15/15	9/24/15						
	W.O. #															12208	12734	13051						
Check Valve	Initials																			Section: 12.3.3	WQ			
	Date																				6/22/15			
	W.O. #																				12740			
A.R.V.	Initials																			Section: 12.3.4	WQ		Section: 12.4.4	
	Date																				6/22/15			
	W.O. #																				12740			
M.C.C.	Initials																						Section: 12.4.1	
	Date																							
	W.O. #																							
Pneumat Tank	Initials														Section: 12.2.3	WQ	WQ	WQ					Section: 12.4.5	
	Date															2/24/15	6/15/15	9/24/15						
	W.O. #															12208	12734	13051						
Isolation Valves	Initials																						Section: 12.4.3	WQ
	Date																							4/13/15
	W.O. #																							12509
Propeller Meter	Initials																						Section: 12.4.2	
	Date																							
	W.O. #																							

Year: 2015

Elk Grove Water District

Preventative Maintenance Program

Well 8 Williamson

Item		Monthly												
		Refer.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Motor	Initials	Section: 11.1.2	WQ	WQ	AH	WQ	WQ	WQ	WQ	WQ	WQ	AH		
	Date		1/12/15	2/12/15	3/3/15	4/6/15	5/28/15	6/17/15	7/20/15	8/26/15	9/21/15	10/14/15		
	W.O. #		11834	12199	12309	12507	12597	12737	12842	12980	13049	13203		
Pump	Initials	Section: 11.1.1	WQ	WQ	AH	WQ	WQ	WQ	WQ	WQ	WQ	AH		
	Date		1/12/15	2/12/15	3/3/15	4/6/15	5/28/15	6/17/15	7/20/15	8/26/15	9/21/15	10/14/15		
	W.O. #		11834	12199	12309	12507	12597	12737	12842	12980	13049	13203		
Chlorine Pump	Initials													
	Date													
	W.O. #													
Air Charger	Initials													
	Date													
	W.O. #													
Check Valve	Initials													
	Date													
	W.O. #													
A.R.V.	Initials													
	Date													
	W.O. #													
M.C.C.	Initials													
	Date													
	W.O. #													
Pneumat Tank	Initials													
	Date													
	W.O. #													
Isolation Valves	Initials													
	Date													
	W.O. #													
Propeller Meter	Initials													
	Date													
	W.O. #													

Item		Quarterly				
		Refer.	1st	2nd	3rd	4th
Motor	Initials					
	Date					
	W.O. #					
Pump	Initials					
	Date					
	W.O. #					
Chlorine Pump	Initials	Section: 11.2.1	WQ	AH/WQ	AH	
	Date		3/24/15	6/22/15	9/21/15	
	W.O. #		12350	12738	13050	
Air Charger	Initials	Section: 11.2.2	WQ	AH/WQ	AH	
	Date		3/24/15	6/22/15	9/21/15	
	W.O. #		12350	12738	13050	
Check Valve	Initials					
	Date					
	W.O. #					
A.R.V.	Initials					
	Date					
	W.O. #					
M.C.C.	Initials					
	Date					
	W.O. #					
Pneumat Tank	Initials	Section: 11.2.3	WQ	AH/WQ	AH	
	Date		3/24/15	6/22/15	9/21/15	
	W.O. #		12350	12738	13050	
Isolation Valves	Initials					
	Date					
	W.O. #					
Propeller Meter	Initials					
	Date					
	W.O. #					

Item		Semi-annual		
		Refer.	1ST 6-MO.	2ND 6-MO.
Motor	Initials	Section: 11.3.2	AH/WQ	
	Date		6/22/15	
	W.O. #		12739	
Pump	Initials	Section: 11.3.1	AH/WQ	
	Date		6/22/15	
	W.O. #		12739	
Chlorine Pump	Initials			
	Date			
	W.O. #			
Air Charger	Initials			
	Date			
	W.O. #			
Check Valve	Initials	Section: 11.3.3	AH/WQ	
	Date		6/22/15	
	W.O. #		12739	
A.R.V.	Initials	Section: 11.3.4	AH/WQ	
	Date		6/22/15	
	W.O. #		12739	
M.C.C.	Initials			
	Date			
	W.O. #			
Pneumat Tank	Initials			
	Date			
	W.O. #			
Isolation Valves	Initials			
	Date			
	W.O. #			
Propeller Meter	Initials			
	Date			
	W.O. #			

Item		Annual	
		Refer.	2015
Motor	Initials		
	Date		
	W.O. #		
Pump	Initials		
	Date		
	W.O. #		
Chlorine Pump	Initials		
	Date		
	W.O. #		
Air Charger	Initials		
	Date		
	W.O. #		
Check Valve	Initials		
	Date		
	W.O. #		
A.R.V.	Initials	Section: 11.4.4	
	Date		
	W.O. #		
M.C.C.	Initials	Section: 11.4.1	
	Date		
	W.O. #		
Pneumat Tank	Initials	Section: 11.4.5	
	Date		
	W.O. #		
Isolation Valves	Initials	Section: 11.4.3	WQ
	Date		4/13/15
	W.O. #		12510
Propeller Meter	Initials	Section: 11.4.2	
	Date		
	W.O. #		

Year: 2015

Elk Grove Water District

Preventative Maintenance Program

Well 9 Polhemus

Item		Monthly Refer.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Quarterly Refer.	1st	2nd	3rd	4th	Annual Refer.	2015
Check Valve	Initials																				
	Date																				
	W.O. #																				
Chlorine Pump	Initials	Sect: TBD	WQ	WQ	AH	WQ	WQ	WQ	WQ	WQ	WQ	WQ			Section: TBD	WQ	WQ	WQ		Section: TBD	
	Date		1/20/15	2/19/15	3/25/15	4/3/15	5/4/15	6/15/15	7/14/15	8/18/15	9/3/15	10/14/15				2/24/15	6/15/15	9/24/15			
	W.O. #		11764	12203	12307	12505	12596	12729	12848	12984	13038	13204				12209	12730	13052			
Air Charger	Initials														Section: TBD	WQ	WQ	WQ			
	Date															2/24/15	6/15/15	9/24/15			
	W.O. #															12209	12730	13052			
Isolation Valves	Initials																			Section: TBD	WQ
	Date																				4/13/15
	W.O. #																				12511
A.R.V.	Initials																			Section: TBD	
	Date																				
	W.O. #																				
M.C.C.	Initials																			Section: TBD	
	Date																				
	W.O. #																				
Pneumat Tank	Initials														Section: TBD	WQ	WQ	WQ		Section: TBD	
	Date															2/24/15	6/15/15	9/24/15			
	W.O. #															12209	12730	13052			
Propeller Meter	Initials																			Section: TBD	
	Date																				
	W.O. #																				

Elk Grove Water District
Backflow Prevention Program 2015

Backflow Device Reports		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
CURRENT													
Notices Issued		9	24	95	4	56	38	186	98	54	31		
	Pass:	4	17	26	2	40	13	152	74	51	26		
Results Received	Fail:	0	2	0	0	0	0	5	4	1	1		
Failed Devices Retested----Passed			2					2	2	1	1		
Outstanding Results Due		5	5	69	2	16	25	37	22	2	4		

DELINQUENT		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Investigations													
Deactivated Devices				2				5	1				
	Sent:	5	5	69	2	16	25	32	18	2	4		
2nd Notice	Received:	0	4	0	2	8	21	14	9	1	0		
	Sent:	5	1	67		8	4	18	9	1			
3rd Notice	Received:	4	1	67		4	4	14	6	0			
Schedule Code Changed		1				4			3				
Outstanding Delinquents		0	0	0	0	0	0	4	3	1	4		
Carryover from 2014	0												

Total Outstanding Delinquents	**12**

Elk Grove Water District
Safety Meetings/Training
Oct-15

Date:	Topic:	Attendees:	Hosted By:
10/5/2015	Using Jackhammers Safely	Jose C, Jose M, John V, Sean, Justin, Richard, Alan, Chris, Sal, Brandon, Steve, Aaron, Travis, Marcel, William	Steve Shaw
10/13/2015	Eyes on Safety	Jose C, Jose M, John D, Sean, Michael, Justin, Richard, Alan, Chris, Sal, Brandon, Steve, Aaron, Travis, Wilfredo, Marcel, David, William	Steve Shaw
10/19/2015	Weld Well and All Ends Well	Jose C, John V, John D, Sean, Michael, Justin, Richard, Alan, Chris, Sal, Brandon, Steve, Aaron, Travis, Marcel, Matt	Steve Shaw
10/26/2015	Safe Fuel Handling Pratices	Jose C, Jose M, John V, John D, Sean, Michael, Justin, Richard, Alan, Sal, Brandon, Steve, Aaron, Travis, Wilfredo, Marcel, David, William	Steve Shaw
10/30/2015	Street Smarts	All Staff Required to Attend	Ellen Carlson

Legend

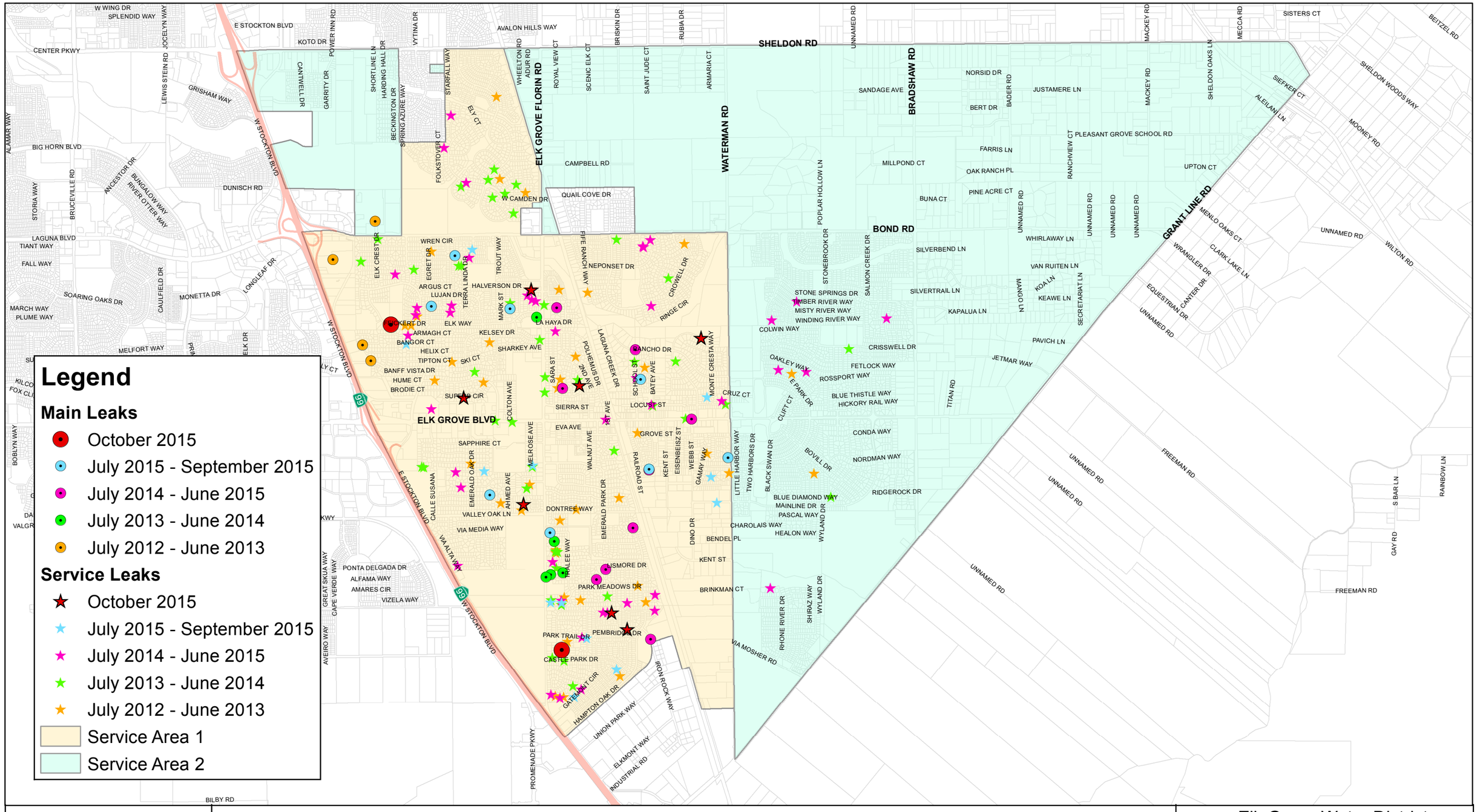
- Services to Replace
- Replaced Services in October 2015
- Replaced Services

Services to Replace: 477	Projected Coordinate System: NAD 83 State Plane, Californa II, FIPS 0420
Services Replaced in October 2015: 0	Source: City of Elk Grove, EGWD and Sacramento County GIS databases
Total Service Replaced: 142	Created by: Travis Franklin
	Date: November 9, 2015

Elk Grove Water District
Service Line Replacement

0 500 1,000 2,000 Feet

N W E S



October 2015	
Main Line Leaks: 2	YTD: 10
Service Line Leaks: 7	YTD: 19
Total Leaks: 9	YTD: 29

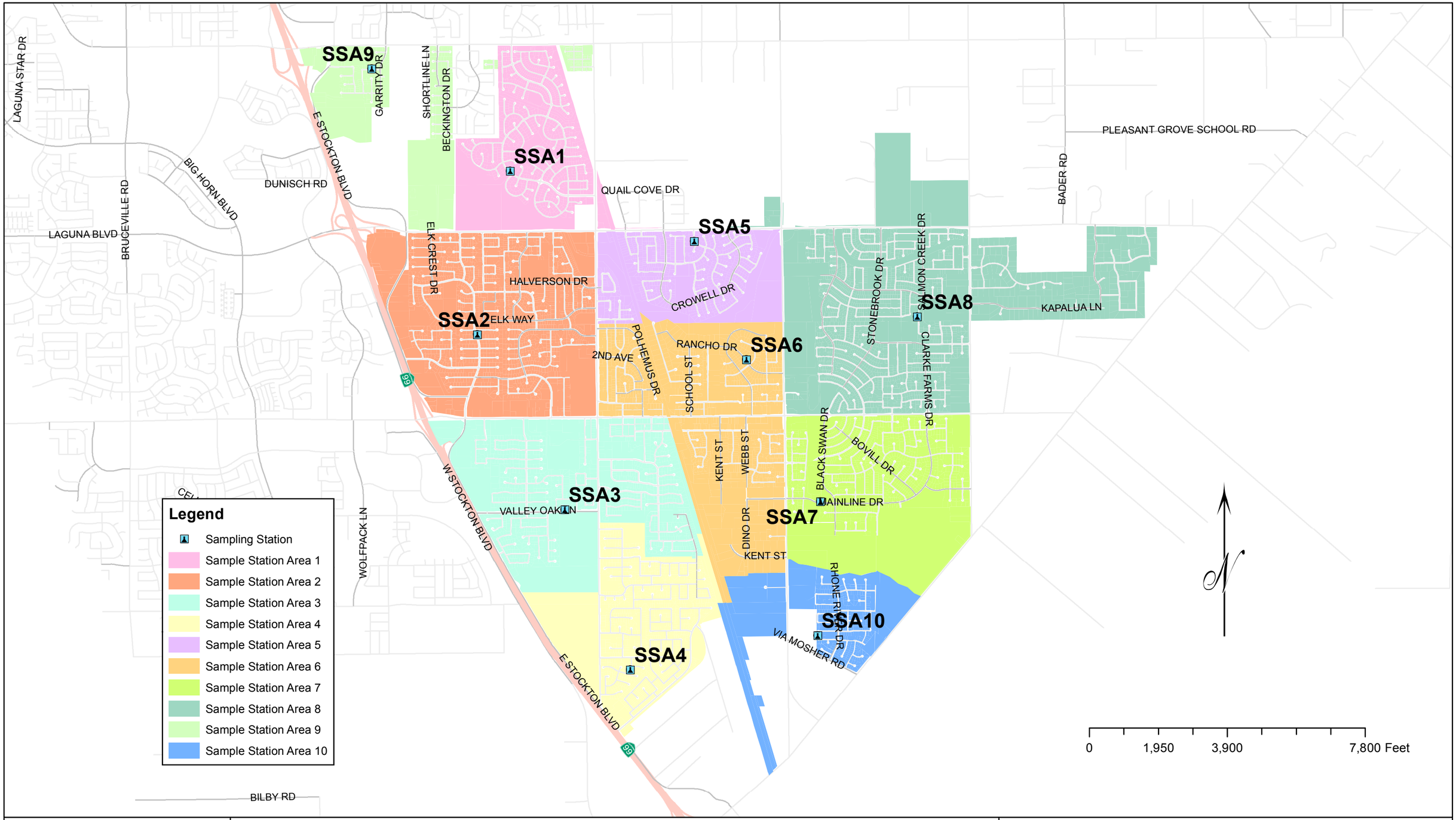
Elk Grove Water District

Service and Main Leaks Map

0 3,500 7,000 Feet

N W E S

Elk Grove Water District
Service / Main Leaks
Created by: Travis Franklin
Date: November 9, 2015



Sample Stations: 10

Elk Grove Water District

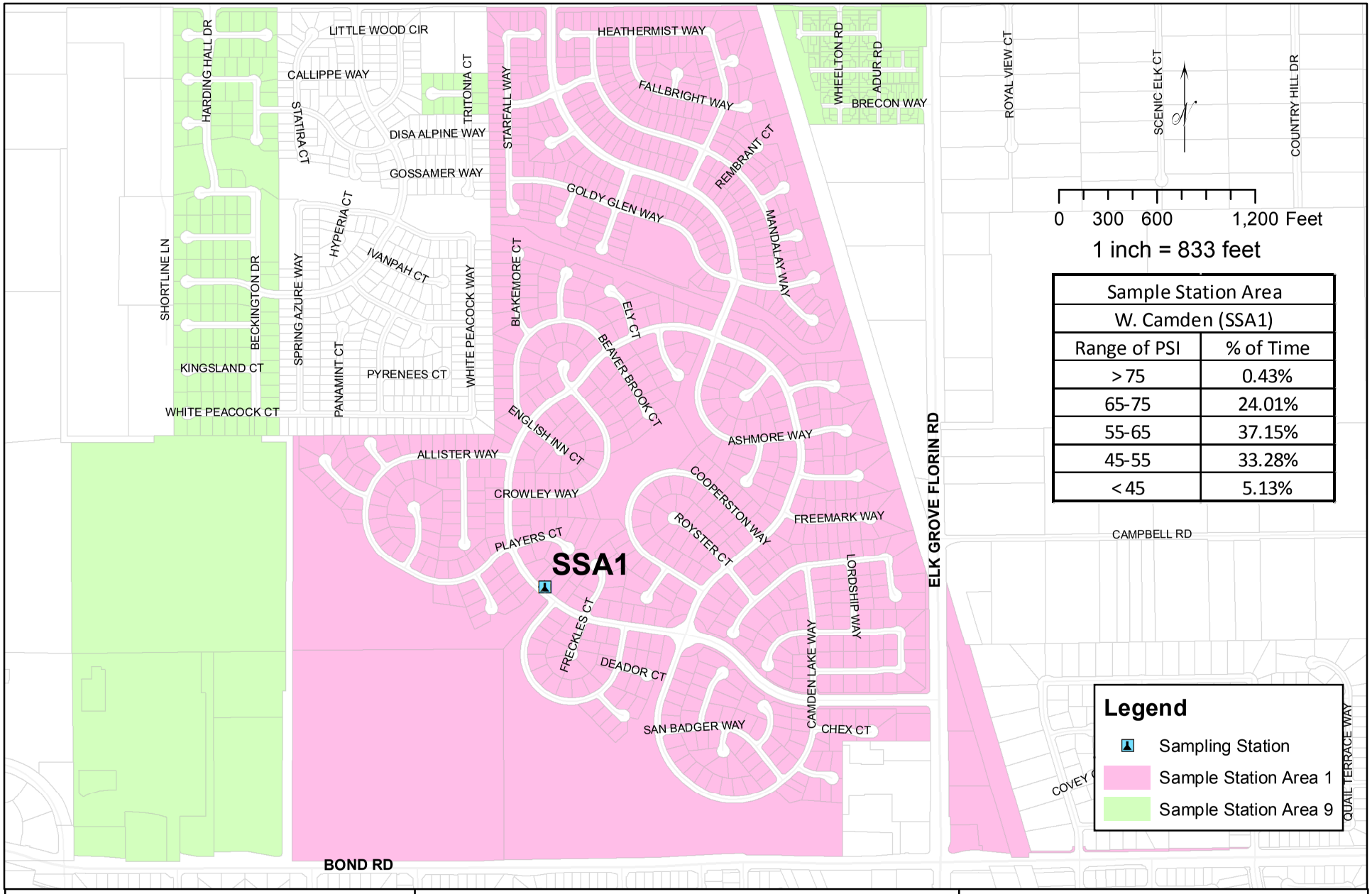
Sample Station Areas

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

Source: EGWD GIS database

Modified by: Travis Franklin

October 10, 2015

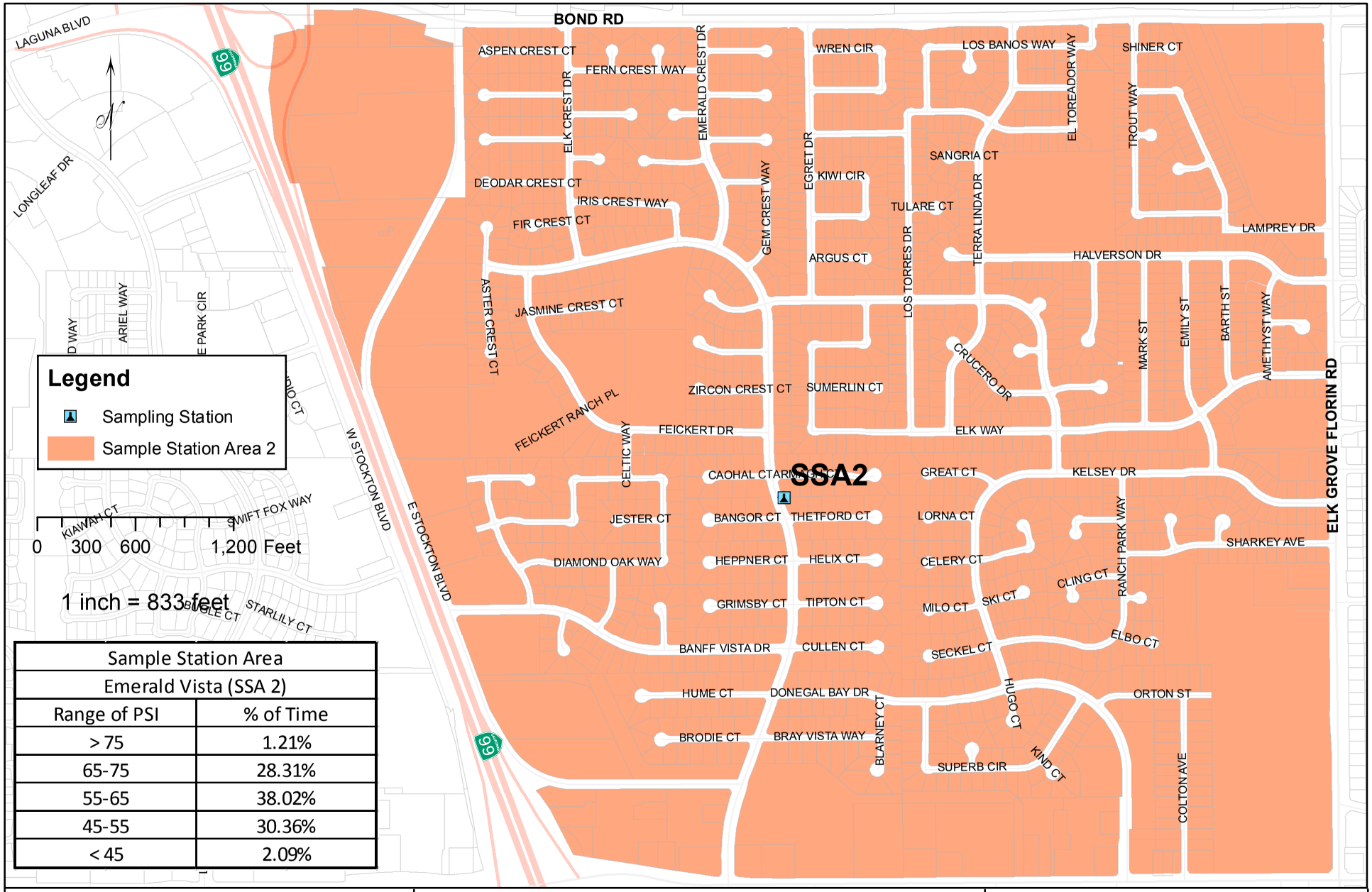


Sample Station #1
Note: Sample Station takes a reading every 5 minutes.
October 2015

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
November 10, 2015



Sample Station Area	
Emerald Vista (SSA 2)	
Range of PSI	% of Time
> 75	1.21%
65-75	28.31%
55-65	38.02%
45-55	30.36%
< 45	2.09%

Sample Station #2

Note: Sample Station takes a reading every 5 minutes.

October 2015

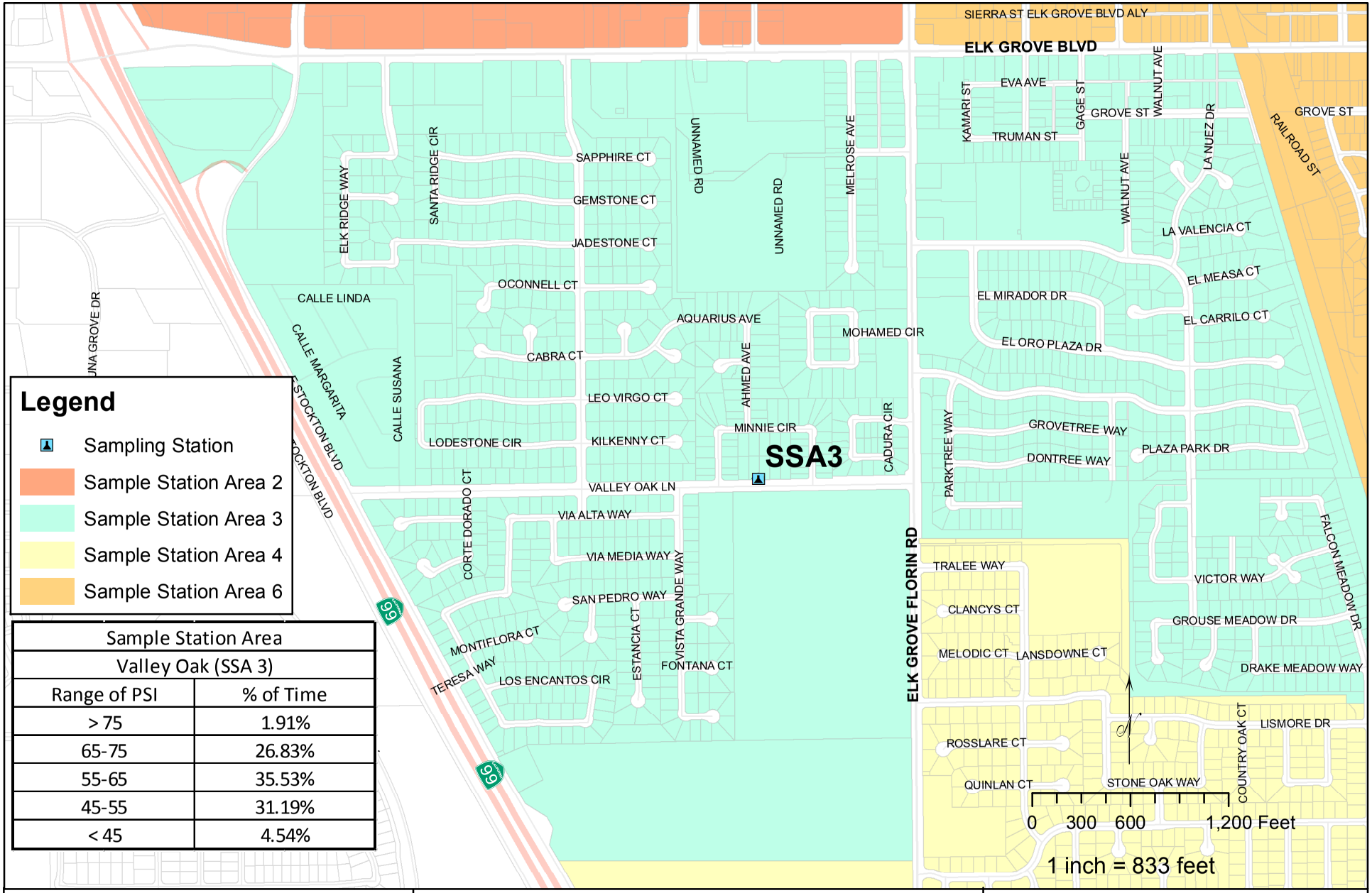
Elk Grove Water District

System Pressure Monitoring

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

Source: EGWD GIS database

Created by: Travis Franklin
November 10, 2015



Legend

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

Sample Station Area	
Valley Oak (SSA 3)	
Range of PSI	% of Time
> 75	1.91%
65-75	26.83%
55-65	35.53%
45-55	31.19%
< 45	4.54%

Sample Station #3

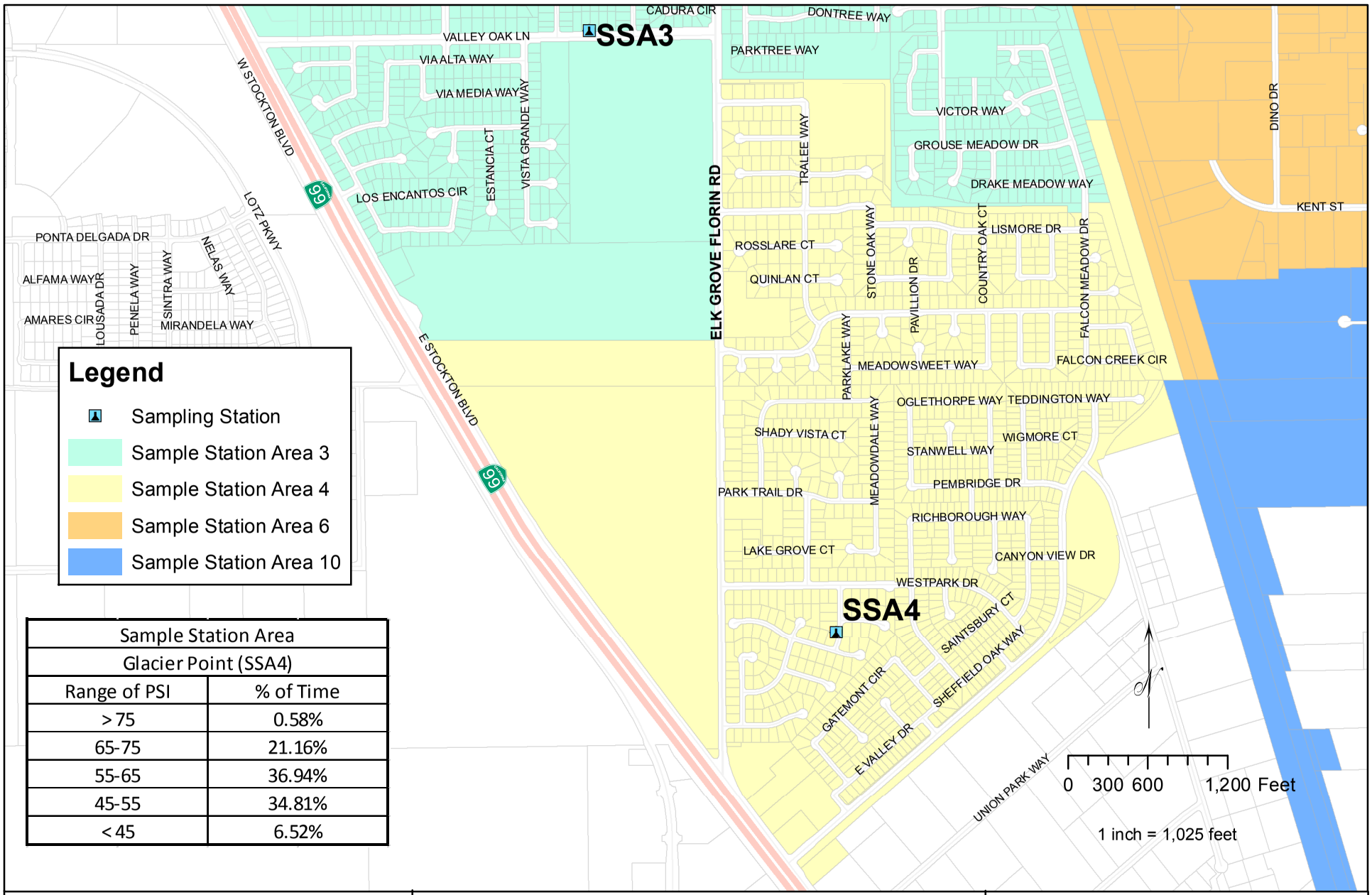
Note: Sample Station takes a reading every 5 minutes.

October 2015

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
November 10, 2015



Sample Station Area	
Glacier Point (SSA4)	
Range of PSI	% of Time
> 75	0.58%
65-75	21.16%
55-65	36.94%
45-55	34.81%
< 45	6.52%

Sample Station #4

Note: Sample Station takes a reading every 5 minutes.

October 2015

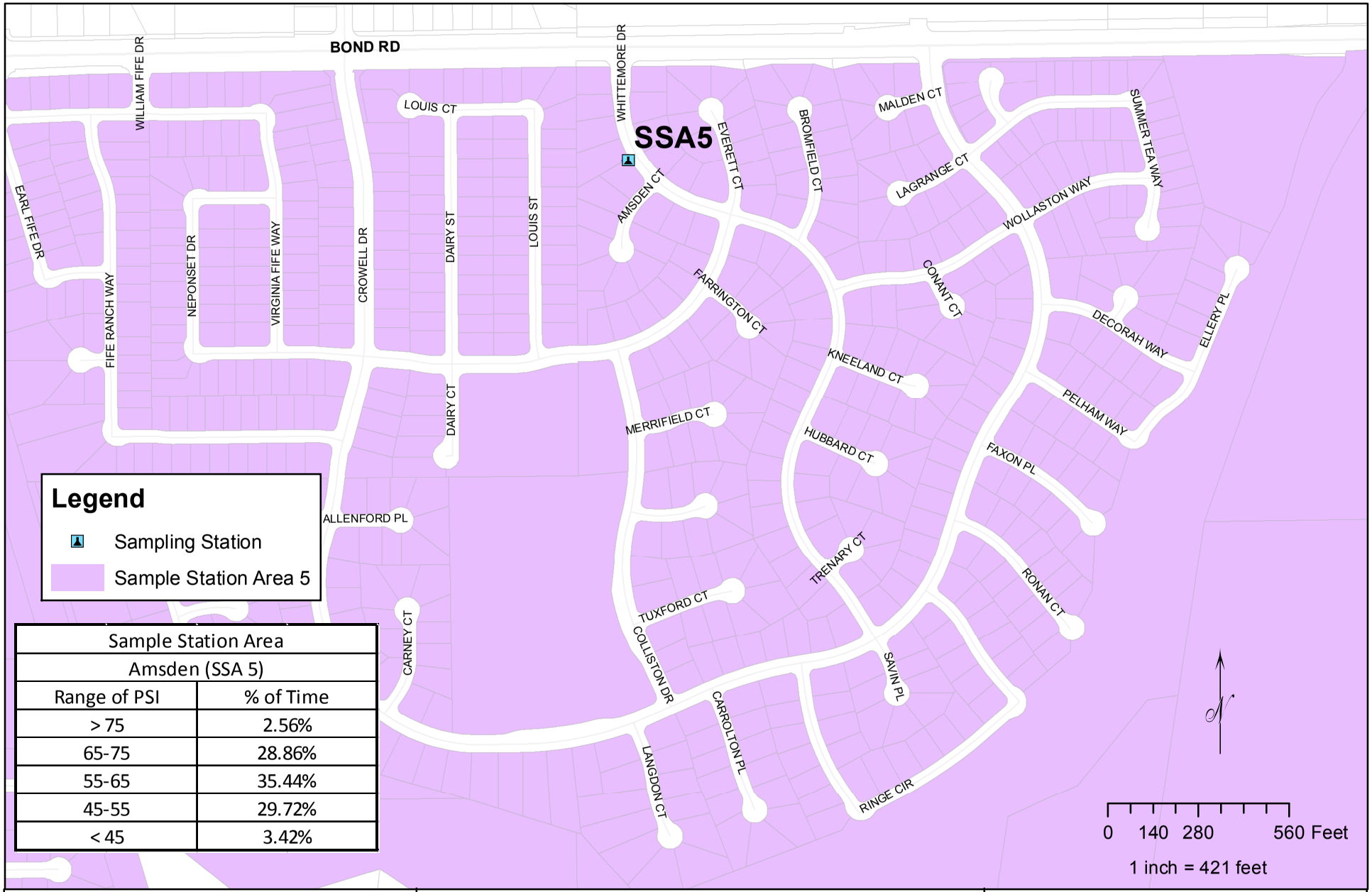
Elk Grove Water District

System Pressure Monitoring

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

Source: EGWD GIS database

Created by: Travis Franklin
November 10, 2015



Sample Station Area	
Amsden (SSA 5)	
Range of PSI	% of Time
> 75	2.56%
65-75	28.86%
55-65	35.44%
45-55	29.72%
< 45	3.42%

Sample Station #5
Notes: Sample Station takes a reading every 5 minutes.
October 2015

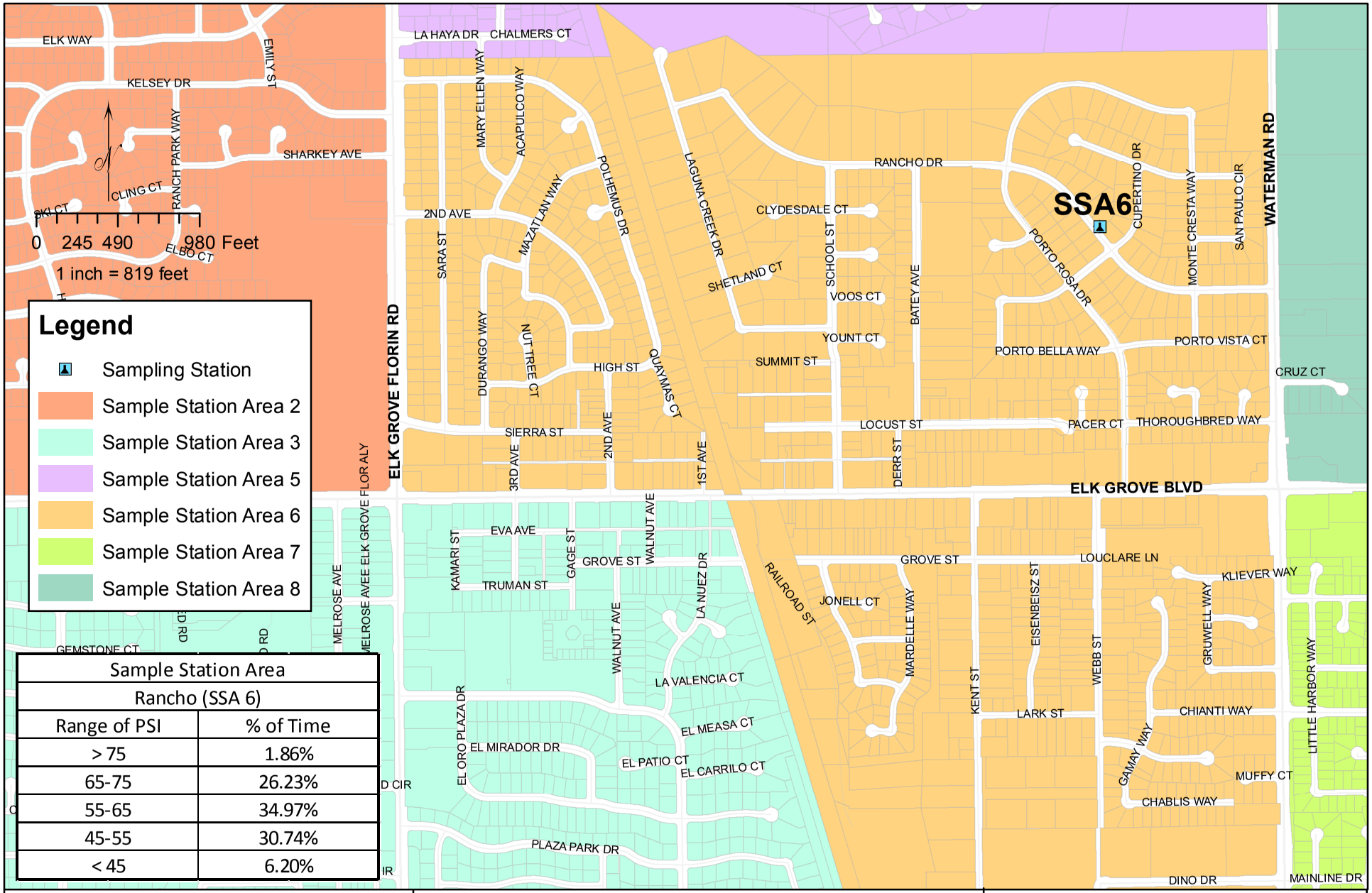
Elk Grove Water District

System Pressure Monitoring

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

Source: EGWD GIS database

Created by: Travis Franklin
November 10, 2015



Sample Station Area	
Rancho (SSA 6)	
Range of PSI	% of Time
> 75	1.86%
65-75	26.23%
55-65	34.97%
45-55	30.74%
< 45	6.20%

Sample Station #6

Note: Sample Station takes a reading every 5 minutes.

October 2015

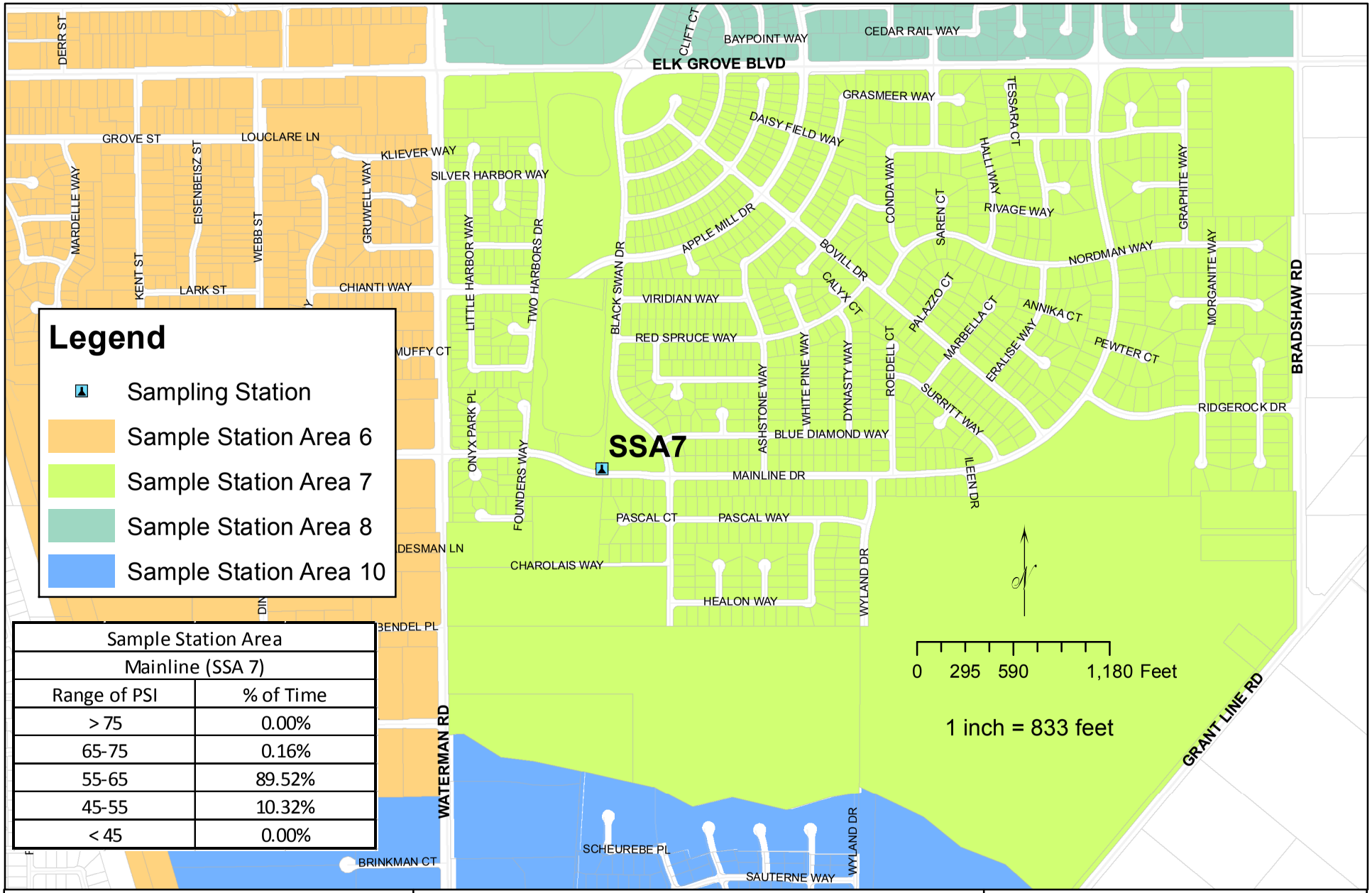
Elk Grove Water District

System Pressure Monitoring

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

Source: EGWD GIS database

Created by: Travis Franklin
November 10, 2015



Sample Station Area	
Mainline (SSA 7)	
Range of PSI	% of Time
> 75	0.00%
65-75	0.16%
55-65	89.52%
45-55	10.32%
< 45	0.00%

Sample Station #7

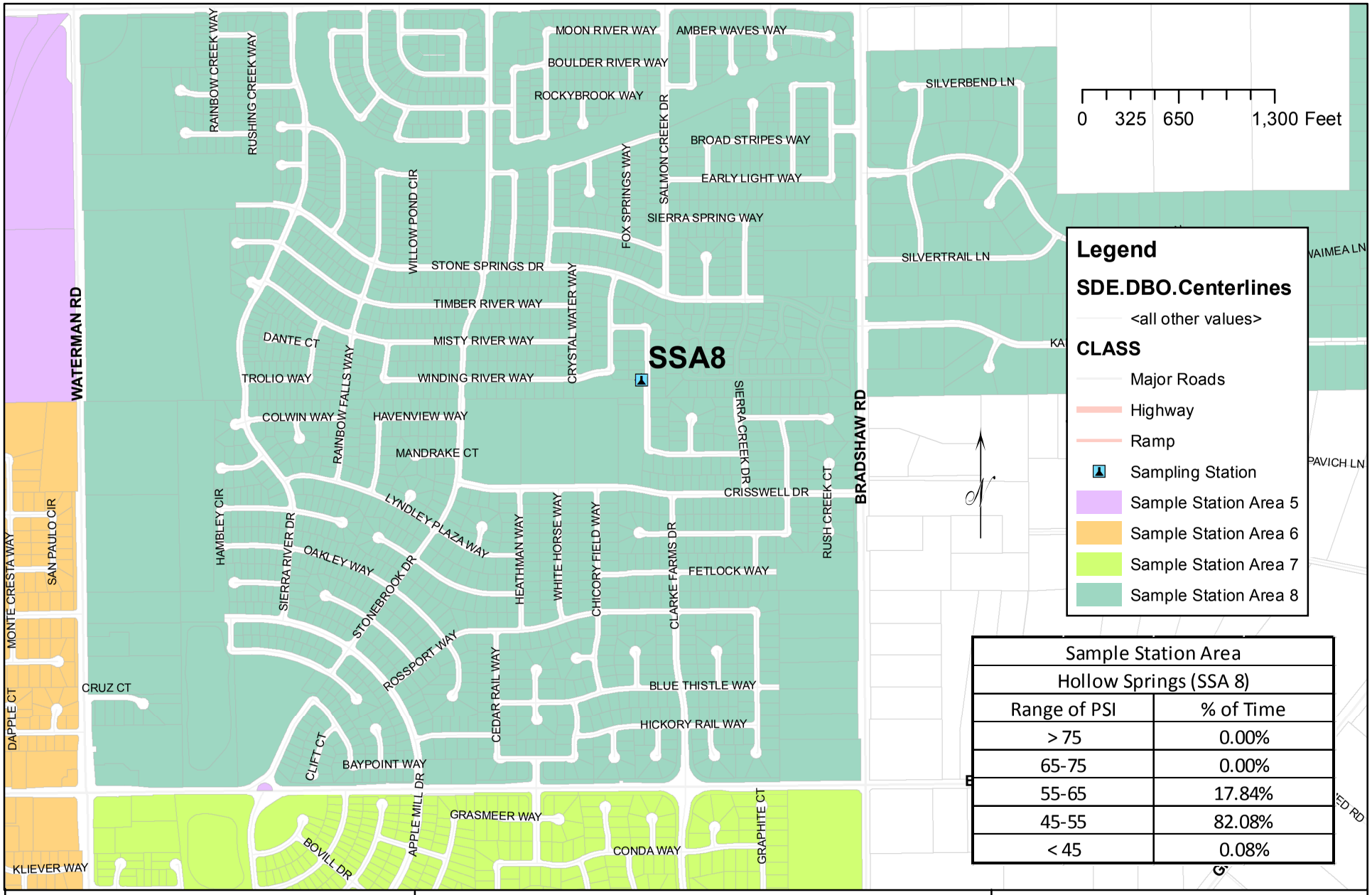
Note: Sample Station takes a reading every 5 minutes.

October 2015

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
November 10, 2015



Sample Station Area	
Hollow Springs (SSA 8)	
Range of PSI	% of Time
> 75	0.00%
65-75	0.00%
55-65	17.84%
45-55	82.08%
< 45	0.08%

100

Sample Station #8

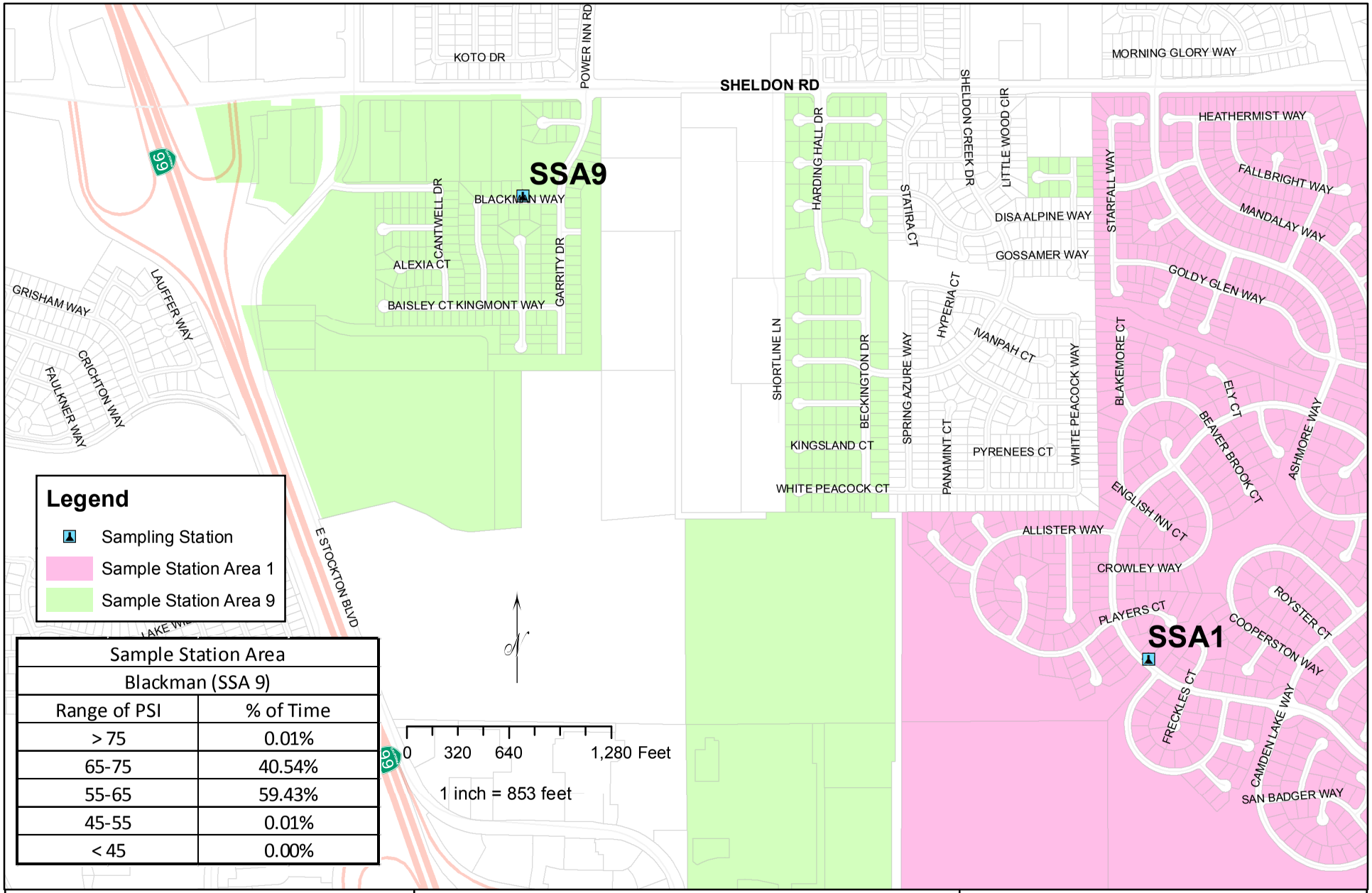
Note: Sample Station takes a reading every 5 minutes.

October 2015

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
November 10, 2015



Sample Station Area	
Blackman (SSA 9)	
Range of PSI	% of Time
> 75	0.01%
65-75	40.54%
55-65	59.43%
45-55	0.01%
< 45	0.00%

Sample Station #9

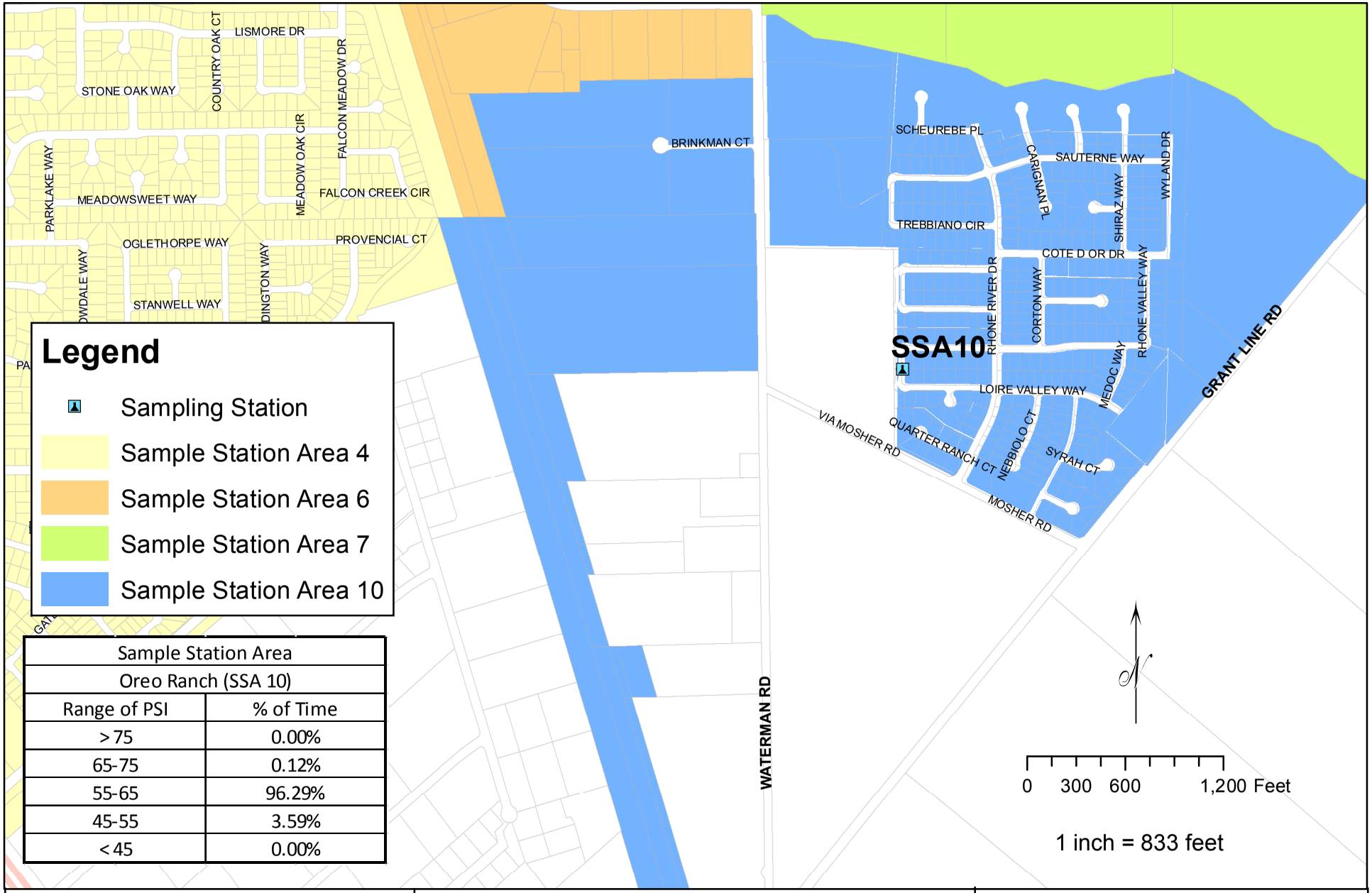
Note: Sample Station takes a reading every 5 minutes.

October 2015

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
November 10, 2015



Sample Station Area	
Oreo Ranch (SSA 10)	
Range of PSI	% of Time
> 75	0.00%
65-75	0.12%
55-65	96.29%
45-55	3.59%
< 45	0.00%

Sample Station #10

Note: Sample Station takes a reading every 5 minutes.

October 2015

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
November 10, 2015

December 16, 2015

TO: Chairman and Directors of the Florin Resource Conservation District

FROM: Mark J. Madison, General Manager

SUBJECT: **ELK GROVE WATER DISTRICT OPERATIONS REPORT – NOVEMBER 2015**

RECOMMENDATION

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

Summary

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

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

DISCUSSION

Background

Every month, staff presents an update of the activities related to the operations of the District. Included for the Board's review is the EGWD's November 2015 Operations Report.

Present Situation

The EGWD November 2015 Operations Report highlights are as follows:

- **Operations Activities Summary** – Information yielded in this section is derived from the District's Cityworks database. Notable items in the activities summary are that the District hung 3 door hangers for past due balances which resulted in 3 shutoffs.

- **Production** – The Combined Total Service Area 1 production graph on page 13 shows that production during the month of November decreased compared to November 2014 and is also approximately 40 percent less than what was produced in 2013. The production decrease remains due to the drought and customer water use reductions. The Total Demand/Production for both service areas on page 14 shows that customer use during the month of November, compared to November 2013 was down by 38 percent.

- **Static and Pumping Level Graphs** – The 4th quarter soundings are shown and indicate the static water levels in deeper zones have 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.

- **Hampton Arsenic Results** – The Hampton Village Water Treatment Plant (HVWTP) was recommissioned in August 2015. Since the recommissioning of the HVWTP, monthly water quality samples have shown a slight increase in arsenic levels. The HVWTP is currently shutdown while the District conducts exploratory work to address the arsenic levels.

- **Preventative Maintenance Program** – The tables included in this section of the report also include certain activities completed to date. Below is a list of out-of-ordinary maintenance work completed in November:

    - Treatment staff assisted with the VFD installation for booster pump #1 at the RRWTP.

- **Backflow Prevention Program 2015** – There were 30 notices issued for the month; 14 devices passed on the initial test, 16 secondary notices were issued, and 5 passing tests have been received. There are a **total** of 20 outstanding devices, 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 Utility Department installed no service lines for residential services for the month.

- **Service and Main Leaks Map** – There were 5 service line leaks 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

November 2015

Elk
Grove
Water
District

Elk Grove Water District
A DEPARTMENT OF THE
Florin Resource Conservation District

Elk Grove Water District

Operations Report

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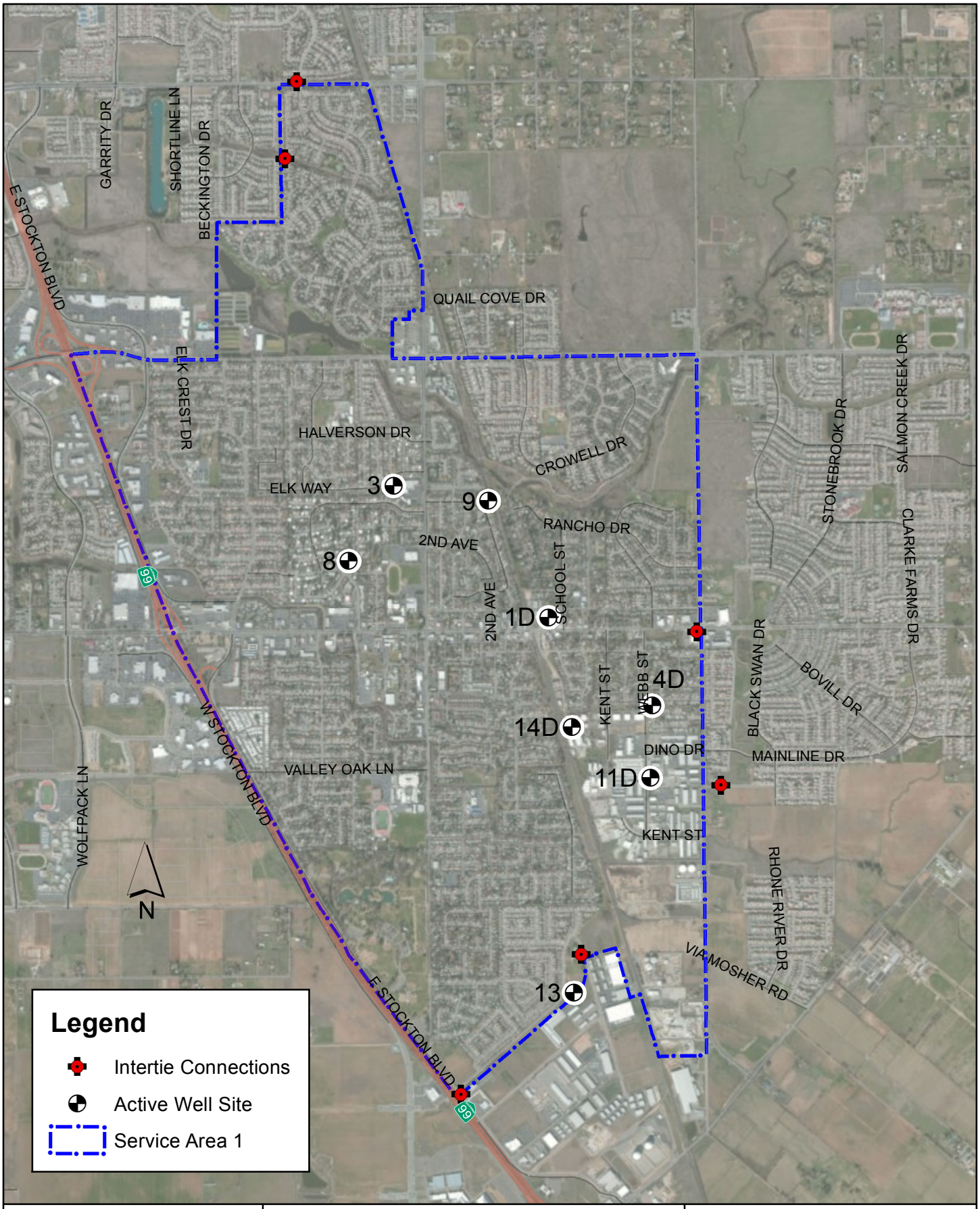
Operations Activities Summary

Service Requests:	Nov-15		YTD (Since July 1, 2015)	
Department	Service Request	Hours	Service Request	Hours
Distribution				
Door Hangers	3	0.65	1984	77.89
Shut offs	3	1	227	32.02
Turn ons	7	2.4	257	31.85
Investigations	41	20.6	193	107.34
USA Locates	106	26.5	651	162.75
Customer Complaints				
-Pressure	3	3.5	9	8.5
-Water Quality	2	1.5	9	5.25
-Other	0	0	0	0

Work Orders:	Nov-15		YTD (Since July 1, 2015)	
Department	Work Orders	Hours	Work Orders	Hours
Treatment:				
Preventative Maint.	15	41	63	206.5
Corrective Maint.	0	0	15	118
Water Samples	7	25	58	151
Distribution:				
Meters Installed	0	0	1	0.5
Backflow Devices Installed	0	0	9	31
Preventative Maint.				
-Hydrant Flushing Program	0	0	0	0
-Hydrant Maintenance	52	53	243	233.7
-Valve Exercising	124	33	601	158
-Other	0	0	0	0
Corrective Maint.				
-Leaks	5	88.5	34	500.5
-Other	15	150.5	109	589
Valve Locates	9	15	12	80
Utility:				
Service Line Replacement	0	0	54	992
Corrective Maint.	0	0	7	362



Active Well Sites & Intertie Connections

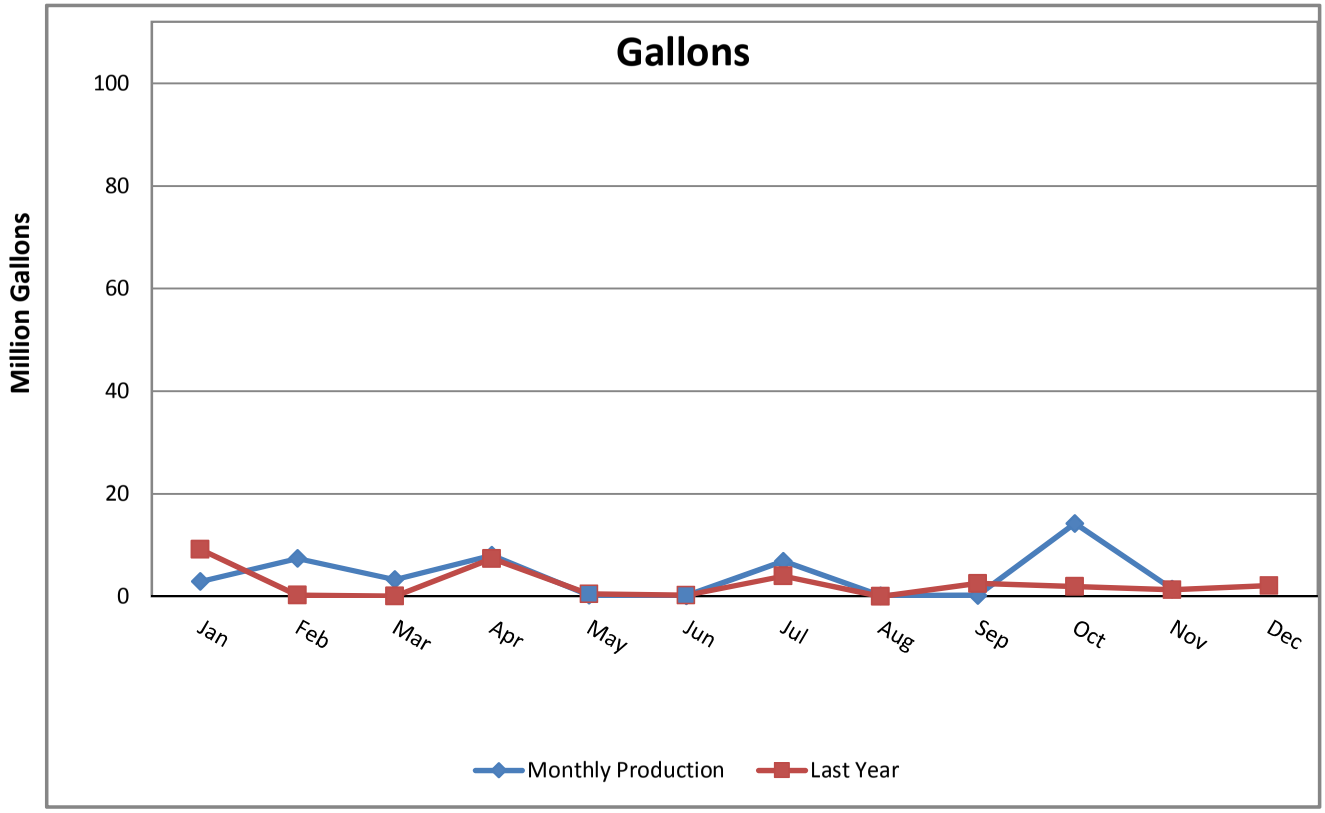
0 1,250 2,500 5,000 Feet

Elk Grove Water District

Elk Grove Water District

Monthly Production

Well 1D School -- Nov. 2015



Selected Month Production
1,442,760 Gallons

Average GPM:
1,794

Motor:

Volts:	469
Volts (Rated):	460
RPM:	2062
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:	87.9 F
Hour Meter:	13.40
KW Hour Total:	1,920.00

Chlorine:

Dosing:	1.54
Demand:	0.8
Residual:	0.74

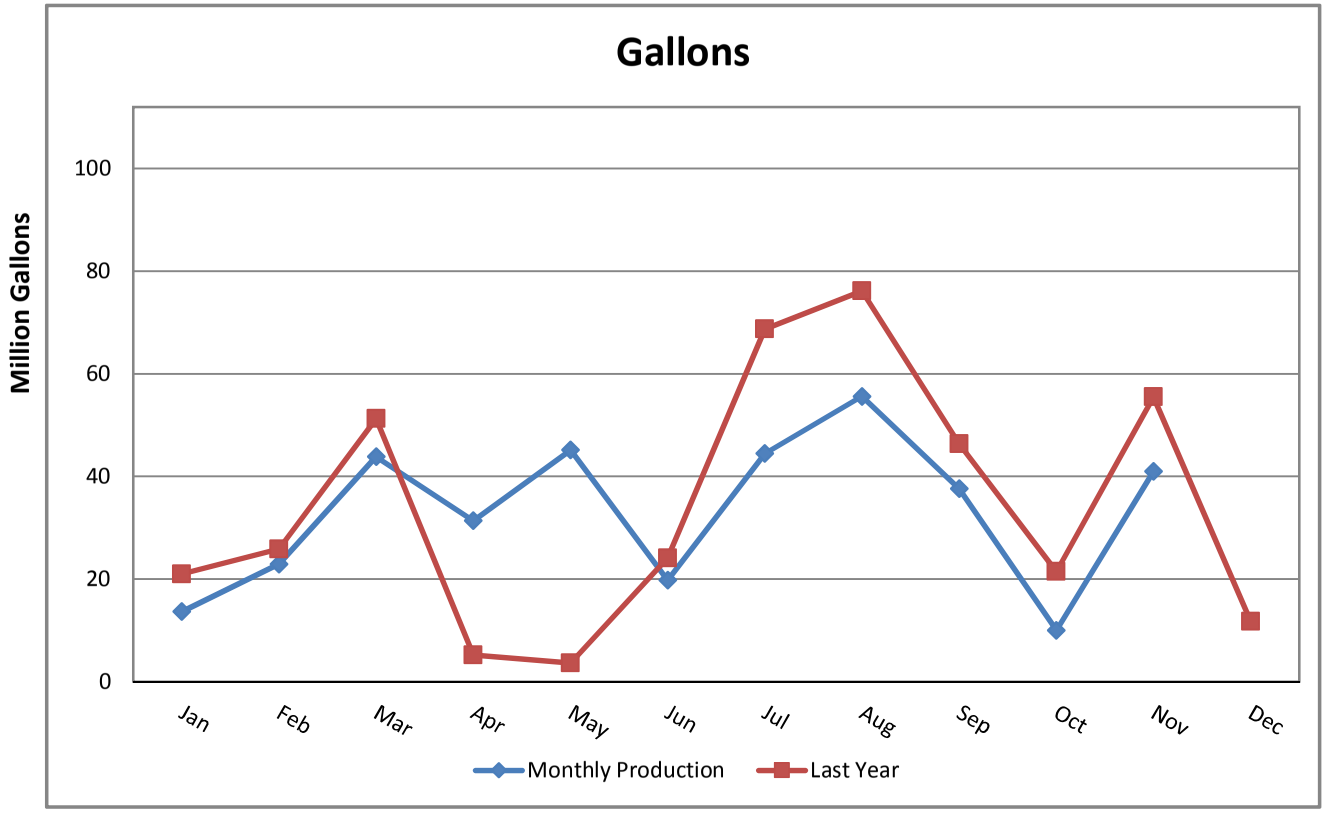
Vibration Reading:

Base Line:	0.05
Current:	0.02

Elk Grove Water District

Monthly Production

Well 4D Webb -- Nov. 2015



Selected Month Production
40,990,611 Gallons

Average GPM:
1,702

Motor:

Volts:	477
Volts (Rated):	460
RPM:	1868
RPM (Rated):	1775
Amps A:	183
Amps A (Rated):	225
Amps B:	182
Amps B (Rated):	225
Amps C:	183
Amps C (Rated):	225
Motor Temp:	125 F
Hour Meter:	401.20
KW Hour Total:	49,320.00

Chlorine:

Dosing:	1.76 mg/L
Demand:	0.74 mg/L
Residual:	1.02 mg/L

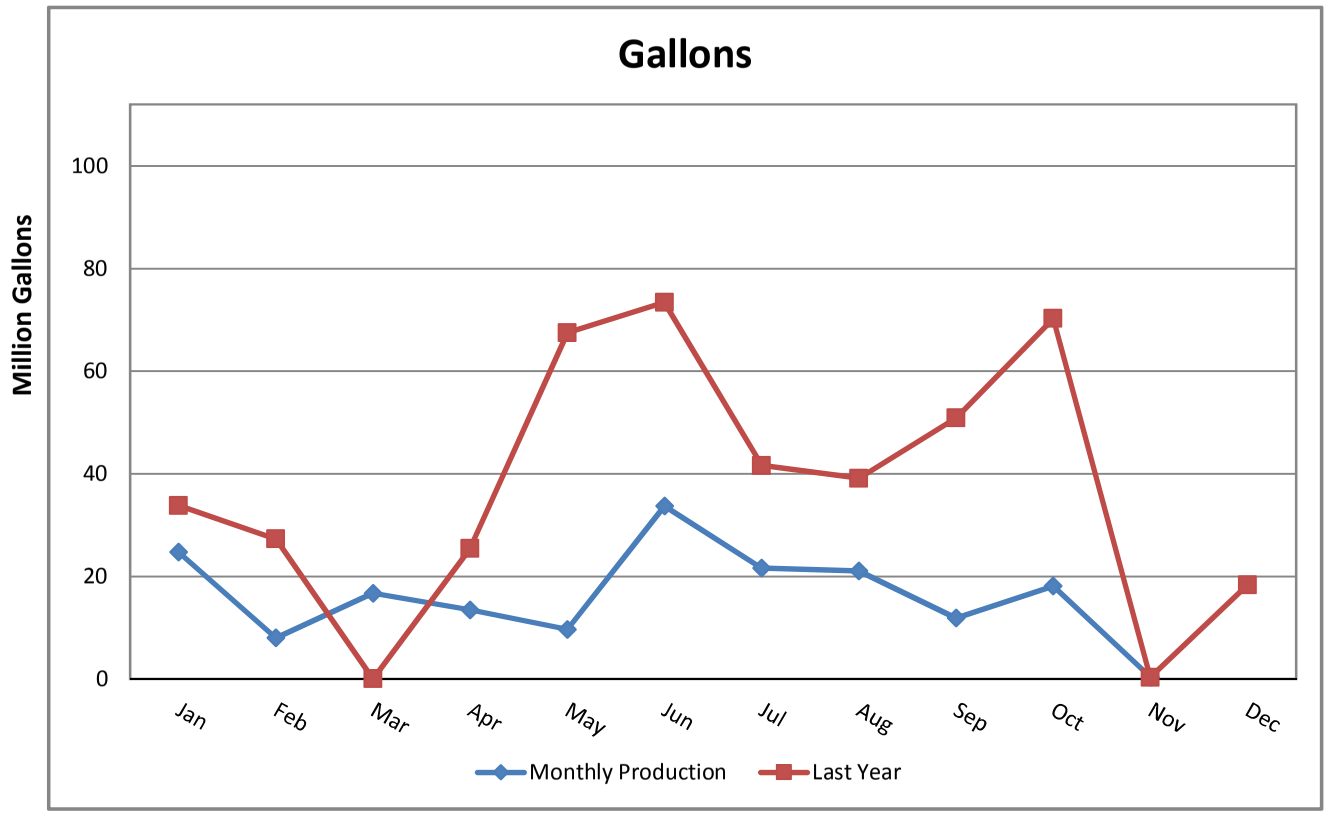
Vibration Reading:

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

Elk Grove Water District

Monthly Production

Well 11D Dino -- Nov. 2015



Selected Month Production
391,119 Gallons

Average GPM:
1,671

Motor:

Volts:	480
Volts (Rated):	460
RPM:	1976
RPM (Rated):	1775
Amps A:	200
Amps A (Rated):	225
Amps B:	200
Amps B (Rated):	225
Amps C:	200
Amps C (Rated):	225
Motor Temp:	107.9 F
Hour Meter:	3.90
KW Hour Total:	3,120.00

Chlorine:

Dosing:	1.68 mg/L
Demand:	0.72 mg/L
Residual:	0.96 mg/L

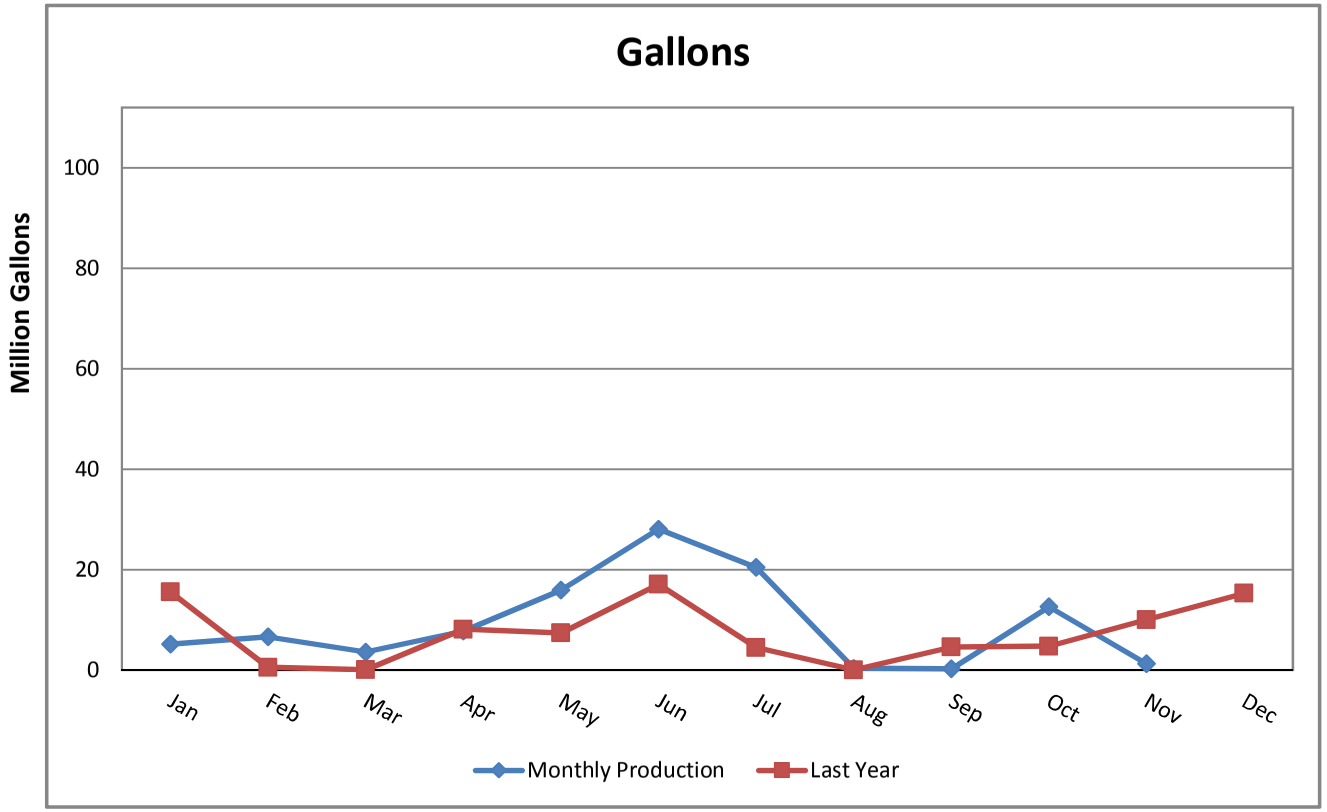
Vibration Reading:

Base Line:	0.05 in/sec
Current:	0.11 in/sec

Elk Grove Water District

Monthly Production

Well 14D Railroad -- Nov. 2015



Selected Month Production
1,265,082 Gallons

Average GPM:
1,585

Motor:

Volts:	478
Volts (Rated):	479
RPM:	2114
RPM (Rated):	2005
Amps A:	164
Amps A (Rated):	171
Amps B:	162
Amps B (Rated):	171
Amps C:	156
Amps C (Rated):	171

Motor Temp.:	108.6 F
Hour Meter:	13.30
KW Hour Total:	40,640.00

(KWH total is for the entire facility)

Chlorine:

Dosing:	1.7 mg/L
Demand:	0.96 mg/L
Residual:	0.74 mg/L

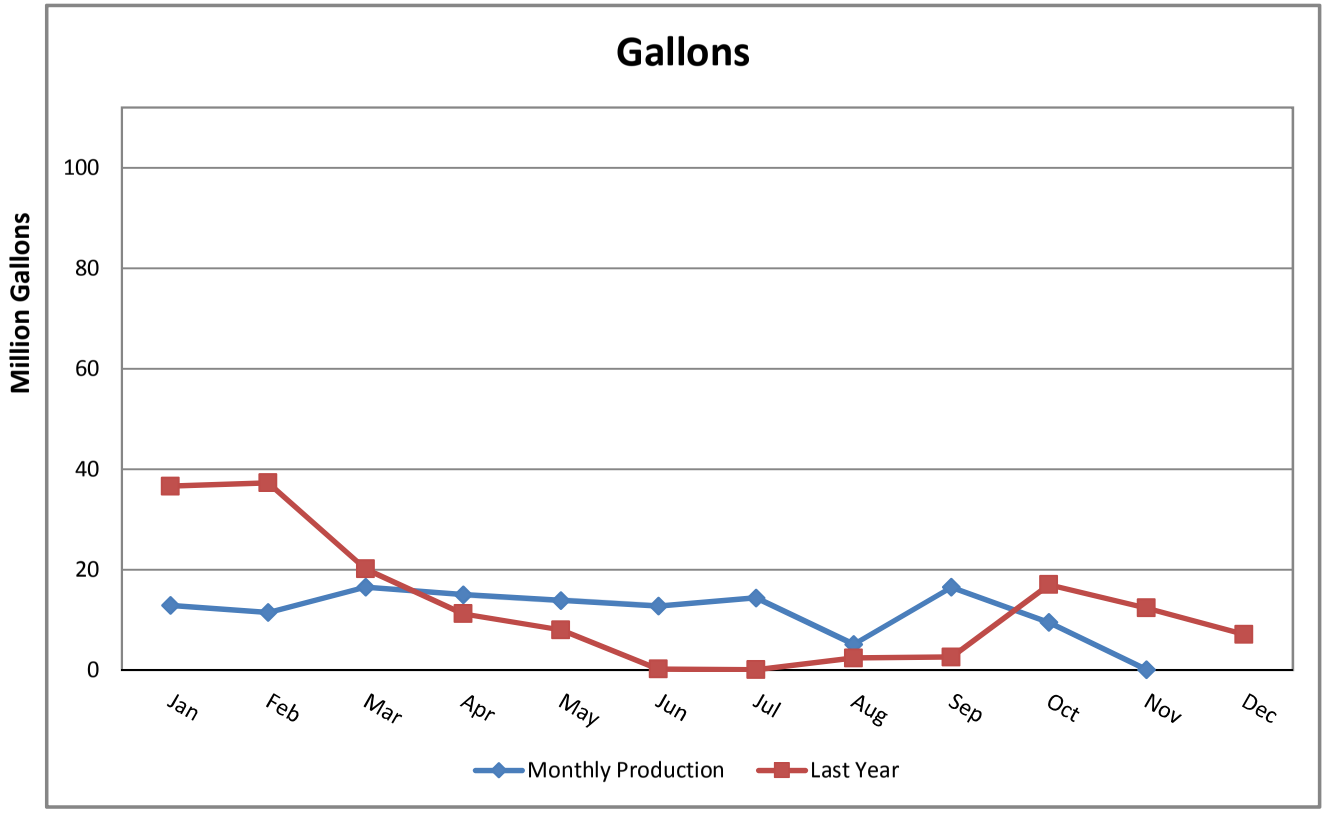
Vibration Reading:

Base Line:	0.02 in/sec
Current:	0.09 in/sec

Elk Grove Water District

Monthly Production

Well 3 Mar-Val -- Nov. 2015



Selected Month Production
88,000 Gallons

Average GPM:
977

Motor:

Volts:	
Volts (Rated):	479
RPM:	
RPM (Rated):	1954
Amps A:	
Amps A (Rated):	88
Amps B:	
Amps B (Rated):	88
Amps C:	
Amps C (Rated):	88
Motor Temp.:	
Hour Meter:	1.50
KW Hour Total:	254.00

Chlorine:

Dosing:	2.13 mg/L
Demand:	1.41 mg/L
Residual:	0.72 mg/L

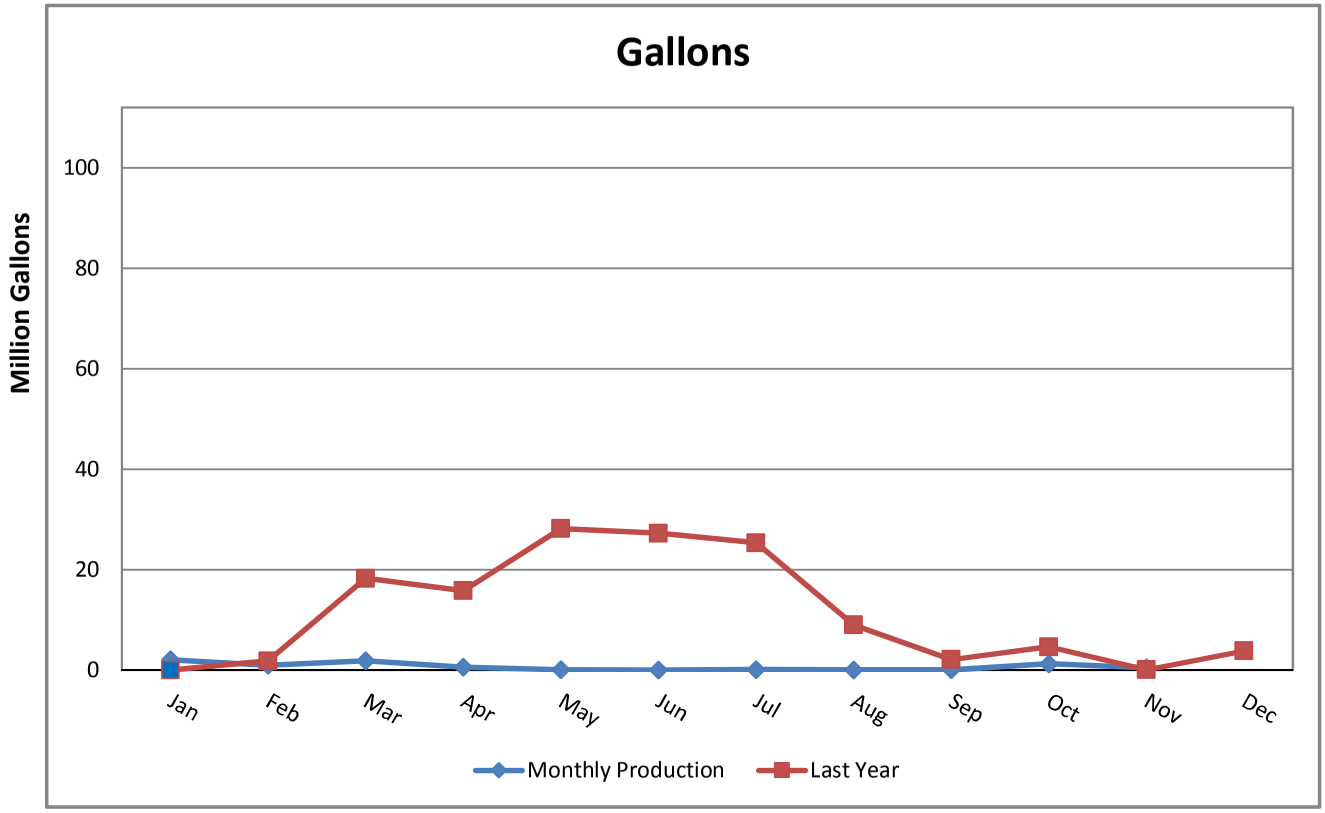
Vibration Reading:

Base Line:	0.02 in/sec
Current:	

Elk Grove Water District

Monthly Production

Well 8 Williamson -- Nov. 2015



Selected Month Production
430,000 Gallons

Average GPM:
863

Motor:

Volts:	461
Volts (Rated):	460
RPM:	1922
RPM (Rated):	1780
Amps A:	86
Amps A (Rated):	87
Amps B:	86
Amps B (Rated):	87
Amps C:	85
Amps C (Rated):	87
Motor Temp.:	198.6 F
Hour Meter:	8.30
KW Hour Total:	670.00

Chlorine:

Dosing:	1.97 mg/L
Demand:	1.19 mg/L
Residual:	0.78 mg/L

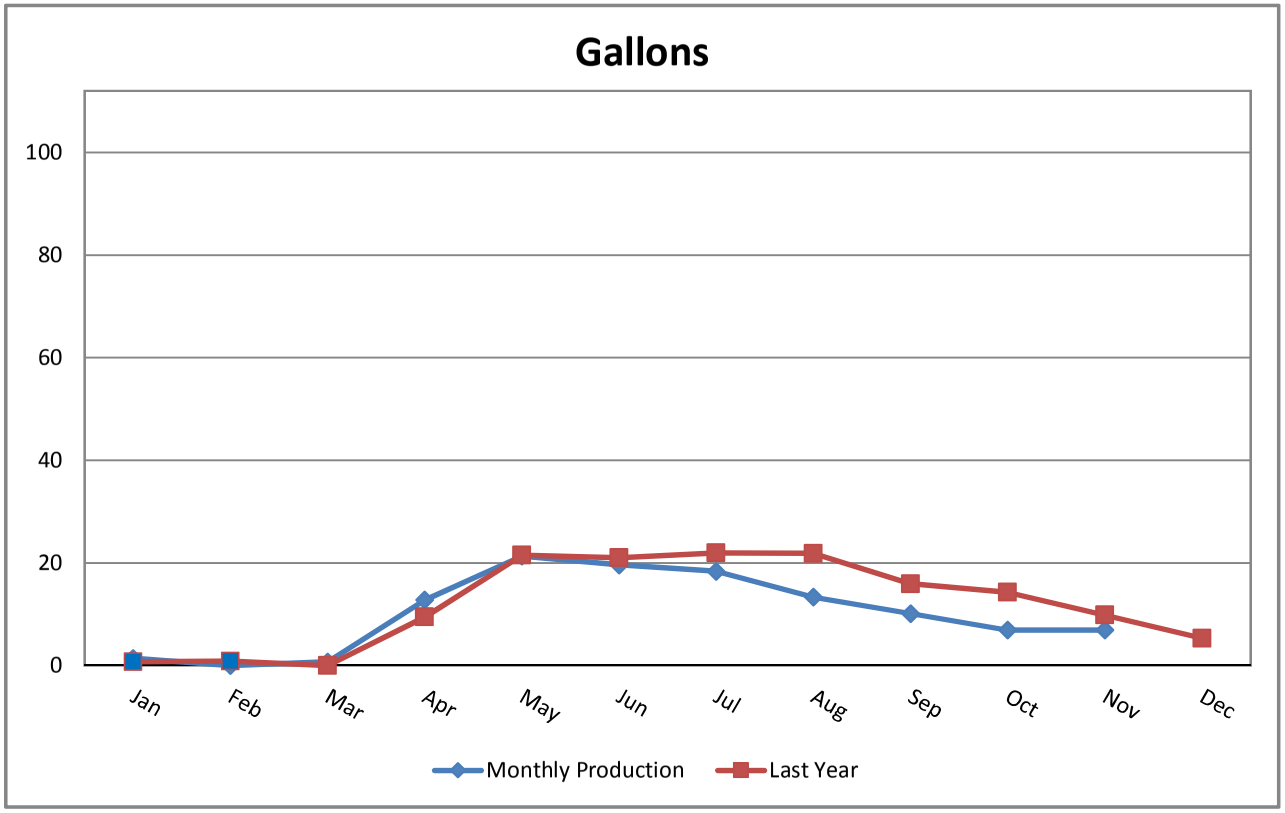
Vibration Reading:

Base Line:	0.03 in/sec
Current:	0.01 in/sec

Elk Grove Water District

Monthly Production

Well 9 Polhemus -- Nov. 2015
(Submersible)



Selected Month Production
6,907,000 Gallons

Average GPM:
488

Motor:

Volts:	486
Volts (Rated):	460
Amps A:	52
Amps A (Rated):	65
Amps B:	58
Amps B (Rated):	65
Amps C:	62
Amps C (Rated):	65
Hour Meter:	235.70
KW Hour Total:	9,339.00

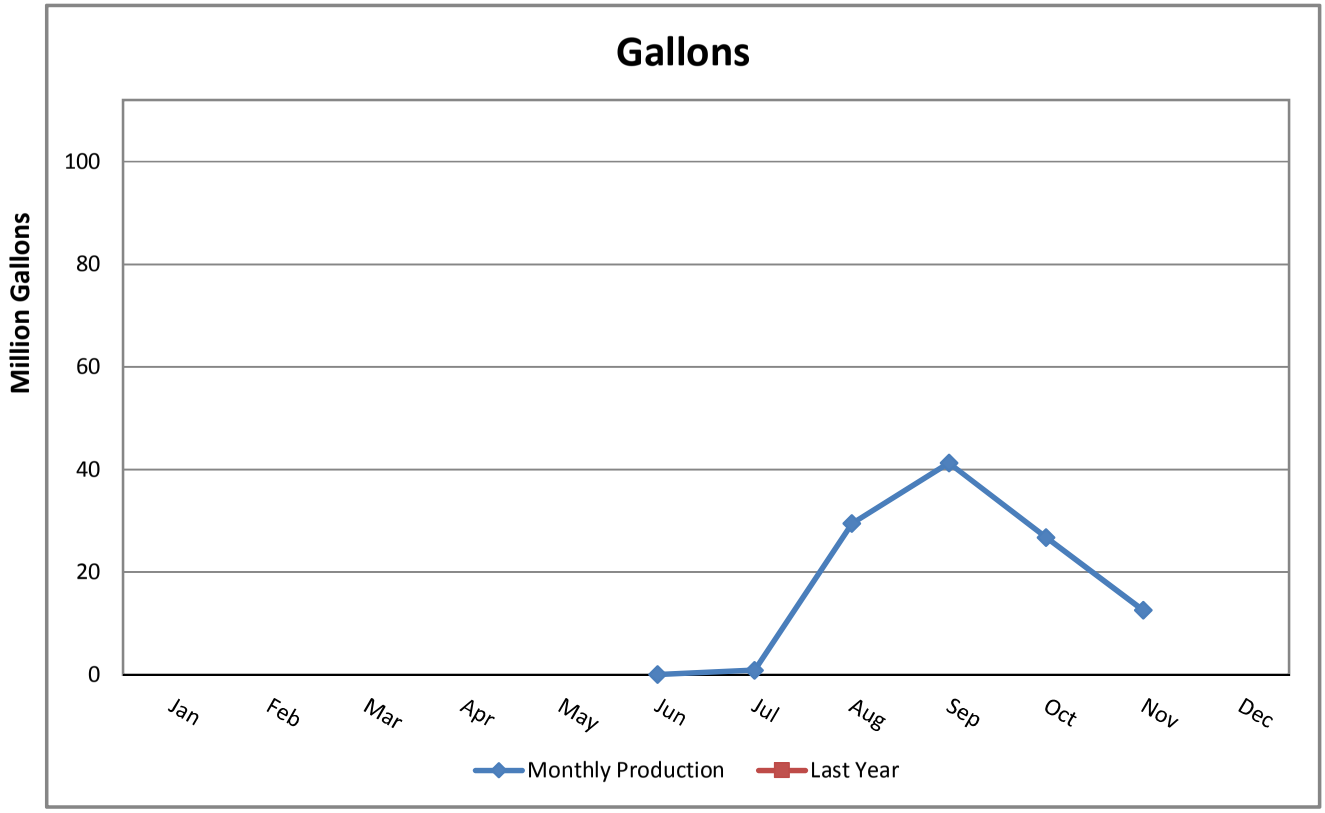
Chlorine:

Dosing:	1.33 mg/L
Demand:	0.37 mg/L
Residual:	0.96 mg/L

Elk Grove Water District

Monthly Production

Well 13 Hampton -- Nov. 2015



Selected Month Production
12,565,143 Gallons

Average GPM:
886

Motor:

Volts:	
Volts (Rated):	460
RPM:	
RPM (Rated):	1785
Amps A:	
Amps A (Rated):	142
Amps B:	
Amps B (Rated):	142
Amps C:	
Amps C (Rated):	142
Motor Temp.:	
Hour Meter:	236.10
KW Hour Total:	17,280.00

Chlorine:

Dosing:	1.51 mg/L
Demand:	0.36 mg/L
Residual:	1.15 mg/L

Vibration Reading:

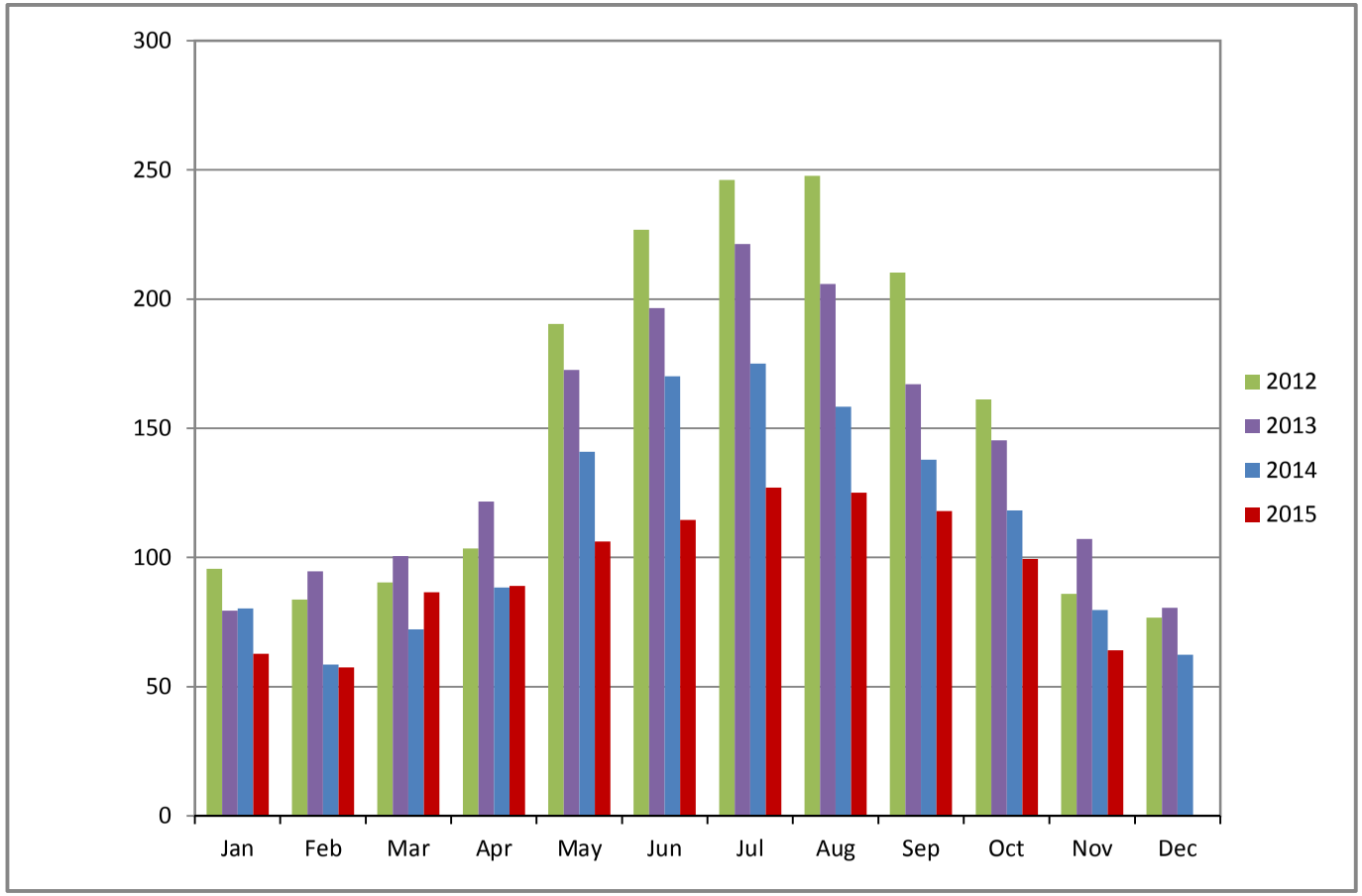
Base Line:	0.02 in/sec
Current:	

Elk Grove Water District

Combined Total Production

Service Area 1

Nov-2015



Current Month Production:
64,079,715 Gallons

Highest Day Demand of the Month:	Date of Occurance
2,523,451	2-Nov-15

Highest Day Demand of the Calender Year:	Date of Occurance
5,279,082	28-Jul-15

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

Current Month:	1.57 in
Year To Date:	1.69 in

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

November 2014	1.25 in
Year To Date:	1.42 in
Last Year Total:	15.43 in

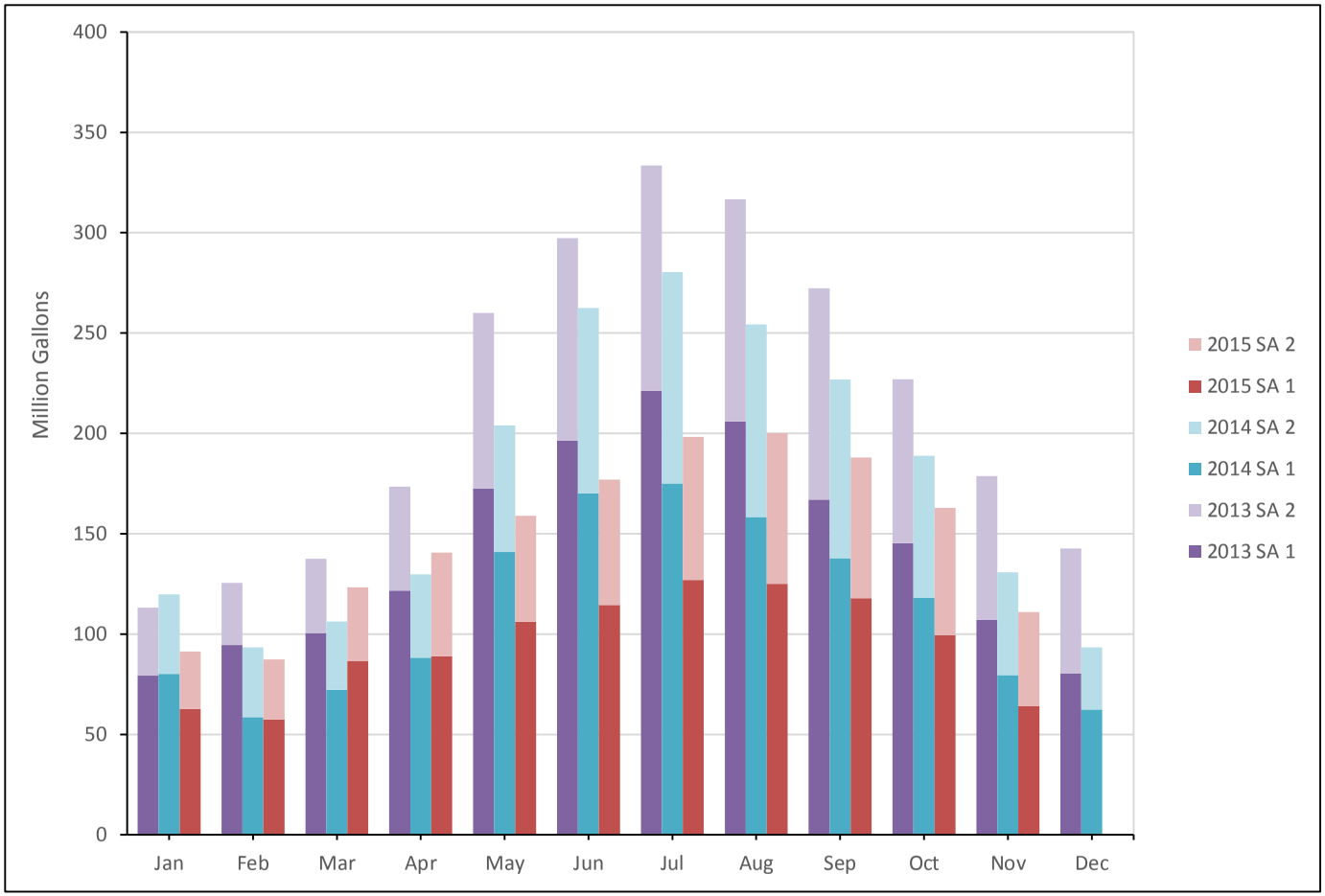
Temperature:

This Month High	72 F
This Month Low	27 F
NOV-14 High	79 F
NOV-14 Low	37 F

Elk Grove Water District

Total Demand/Production

Nov-2015



Current Month Demand/Production:
110,953,135 Gallons
Reduction From Nov. 2013: 37.91%
GPCD: 80.9 Gallons per Day
R-GPCD: 63.1 Gallons per Day

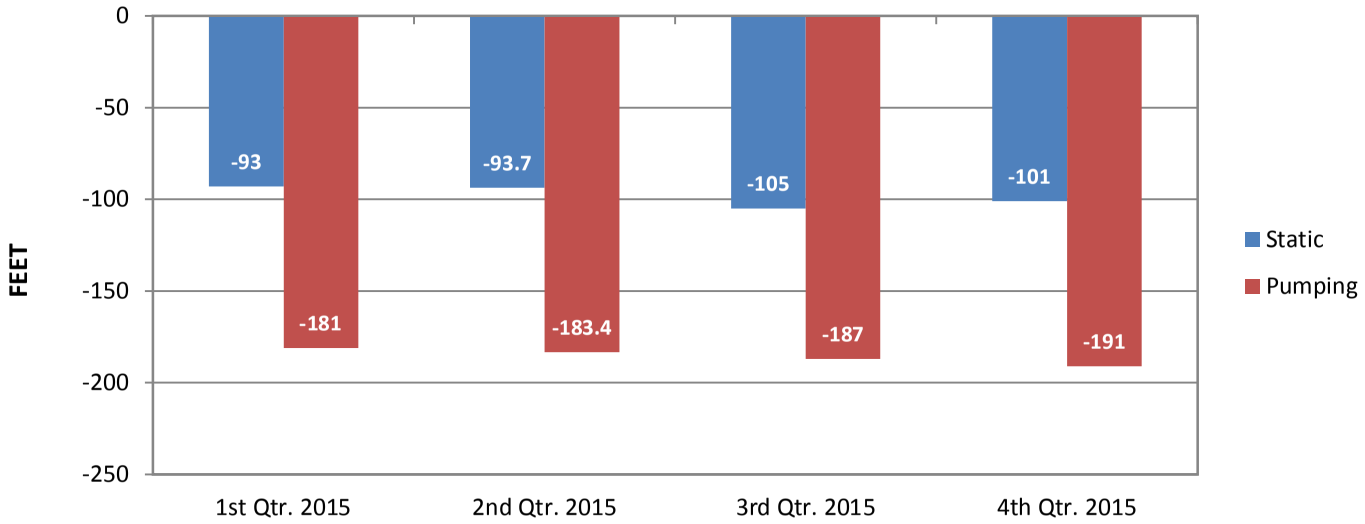
Service Area 1
Active Connections: 7,889
Current Month Demand/Production:
64,079,715 Gallons
GPCD: 72.8 Gallons per Day
R-GPCD: 57.5 Gallons per Day

Service Area 2
Active Connections: 4,269
Current Month Demand/Production:
46,873,420 Gallons
GPCD: 95.6 Gallons per Day
R-GPCD: 70.7 Gallons per Day

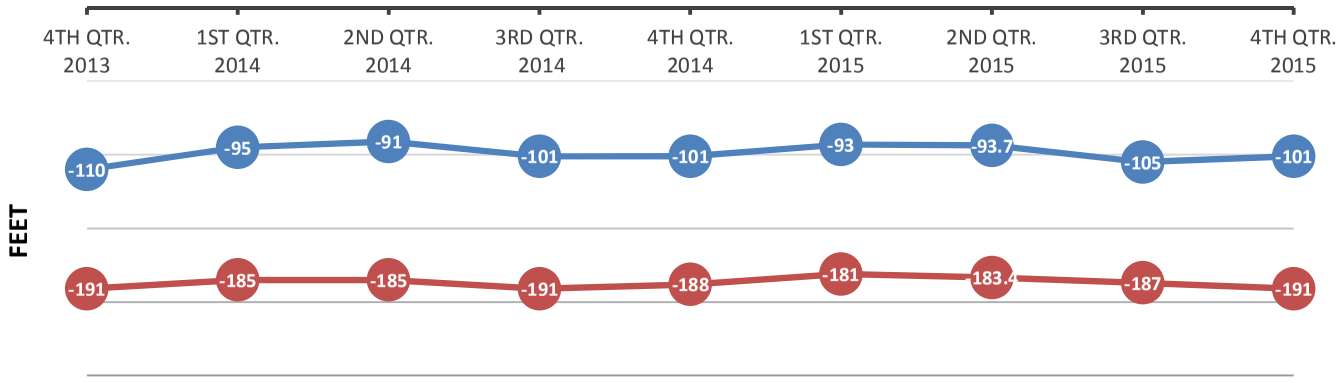
Elk Grove Water District

Static and Pumping Levels

Well 1D School St



Sounding Quarter/Year



Latest Well Sounding

Static:	101 Ft
Pumping:	191 Ft
Drawdown:	90 Ft
GPM:	1,792.00
Specific Capacity:	19.911

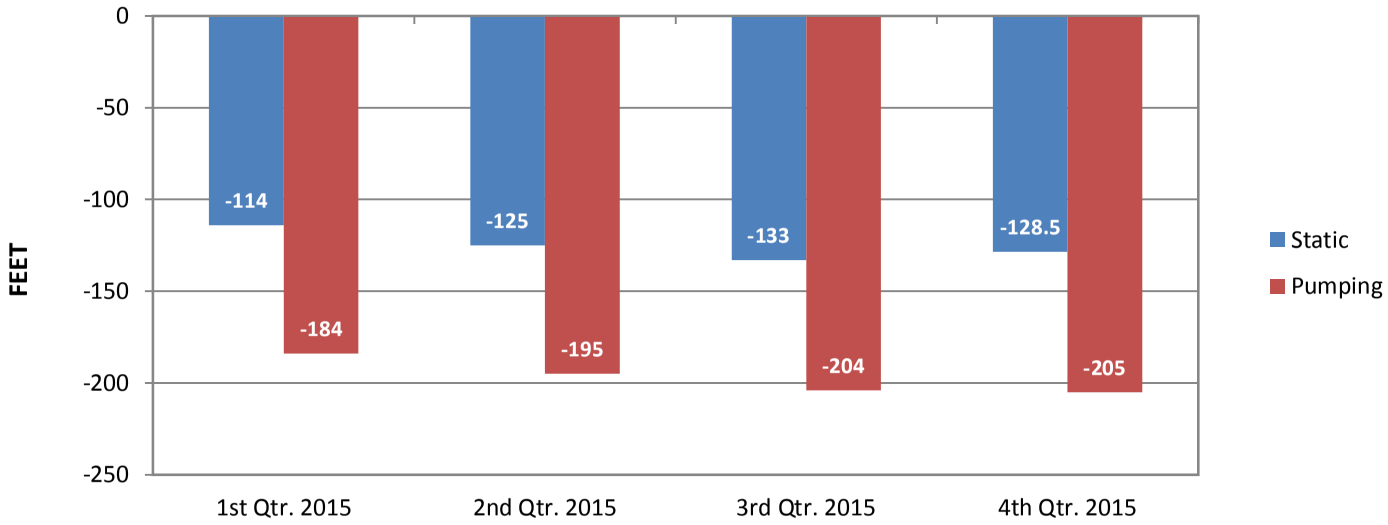
Latest Sand Tester Results:

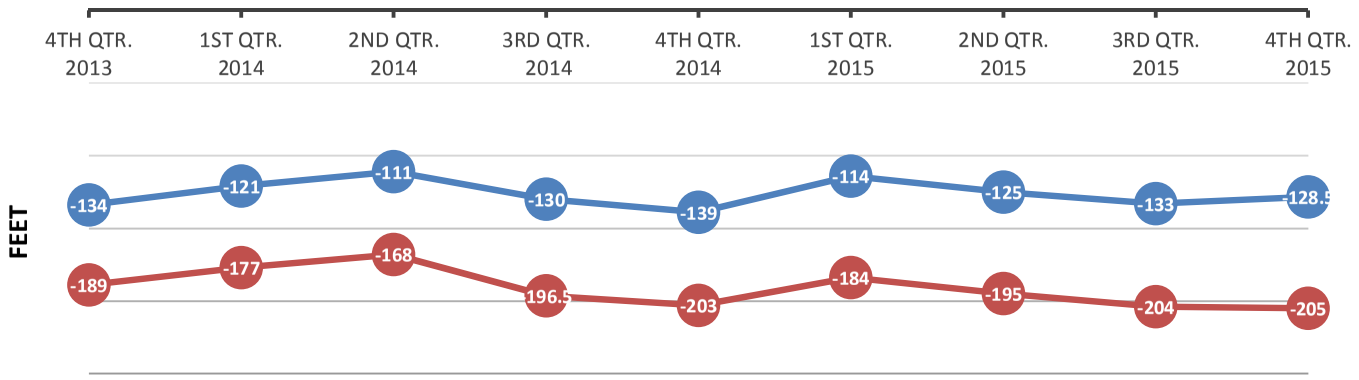
15 Min:	< 5 ppm

Elk Grove Water District

Static and Pumping Levels

Well 4D Webb St





Latest Well Sounding

Static:	128.5 Ft
Pumping:	205 Ft
Drawdown:	76.5 Ft
GPM:	1,613.00
Specific Capacity:	21.085

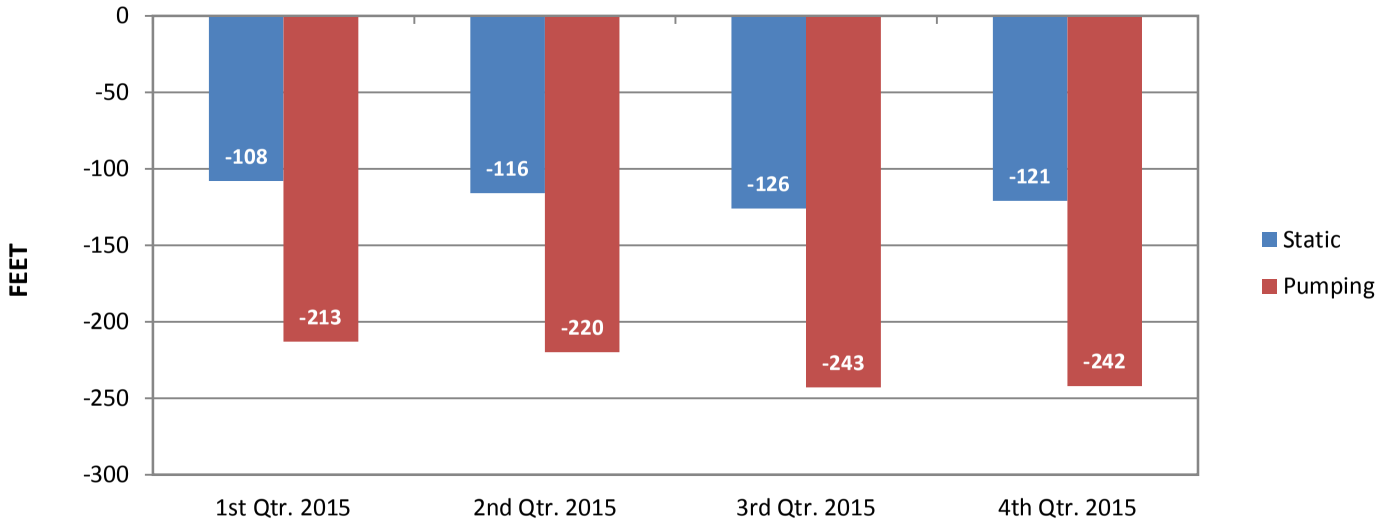
Latest Sand Tester Results:

15 Min: < 5 ppm

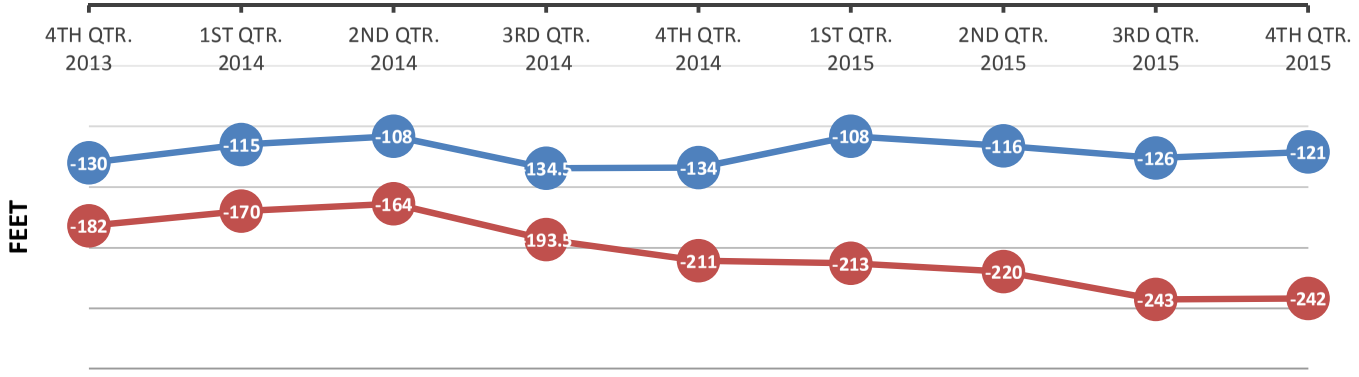
Elk Grove Water District

Static and Pumping Levels

Well 11D Dino



Sounding Quarter/Year



Latest Well Sounding

Static:	121 Ft
Pumping:	242 Ft
Drawdown:	121 Ft
GPM:	1,684.00
Specific Capacity:	13.917

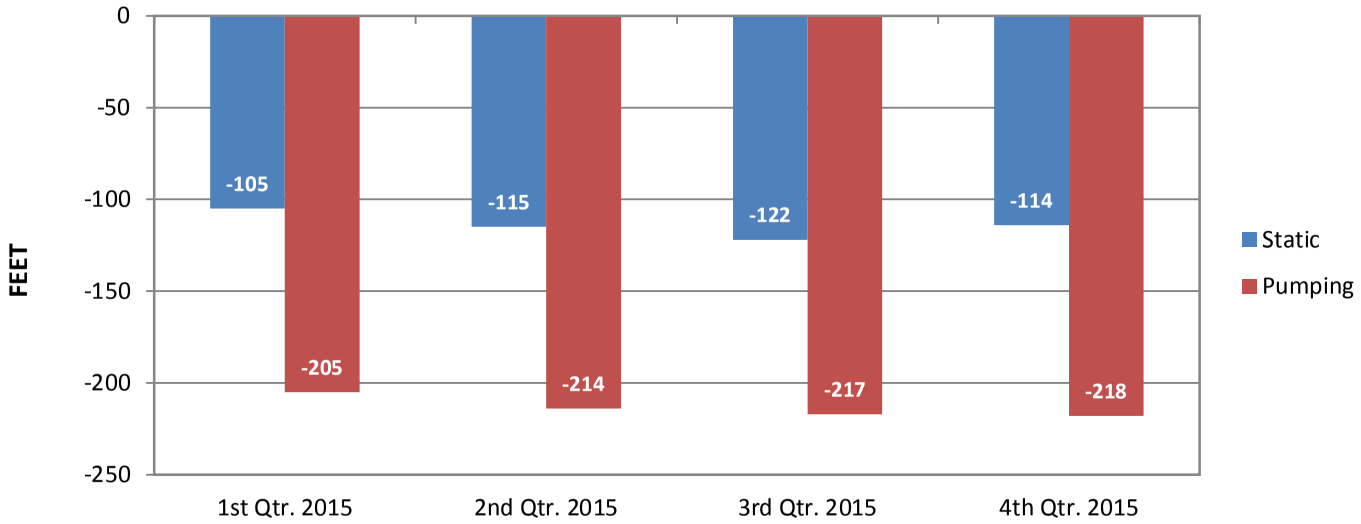
Latest Sand Tester Results:

15 Min: < 5 ppm

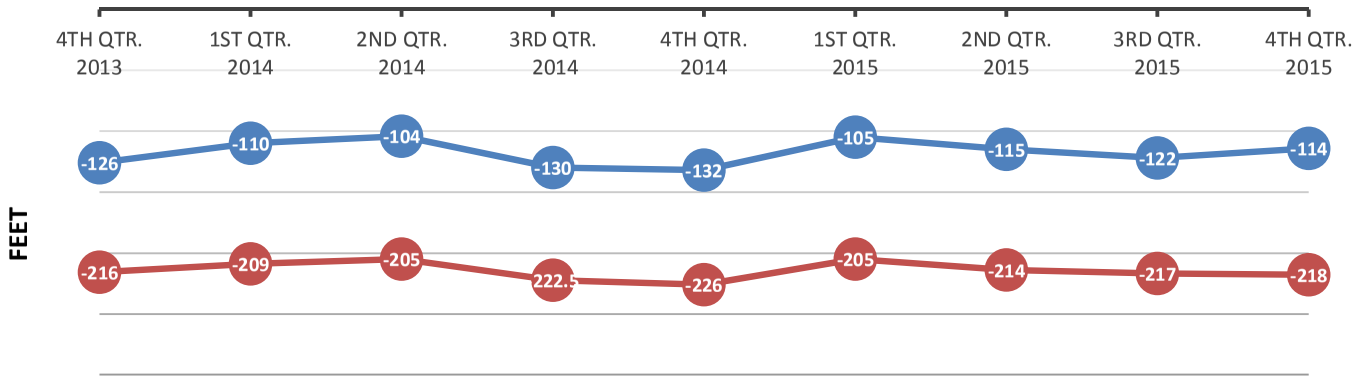
Elk Grove Water District

Static and Pumping Levels

Well 14D Railroad



Sounding Quarter/Year



Latest Well Sounding

Static:	114 Ft
Pumping:	218 Ft
Drawdown:	104 Ft
GPM:	1,587.00
Specific Capacity:	15.260

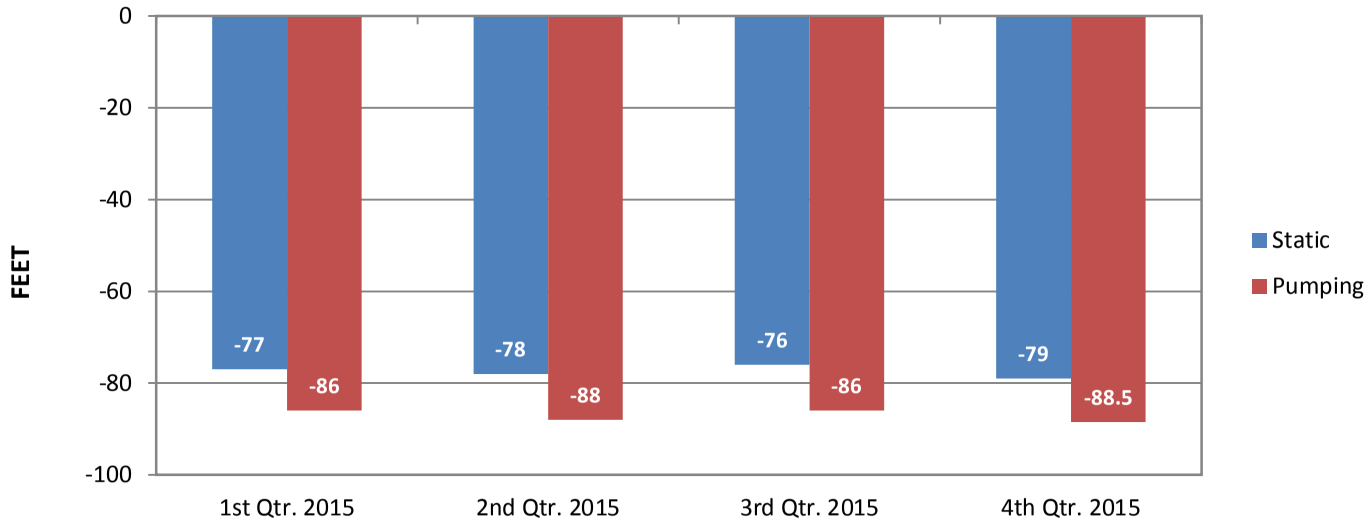
Latest Sand Tester Results:

15 Min: < 5 ppm

Elk Grove Water District

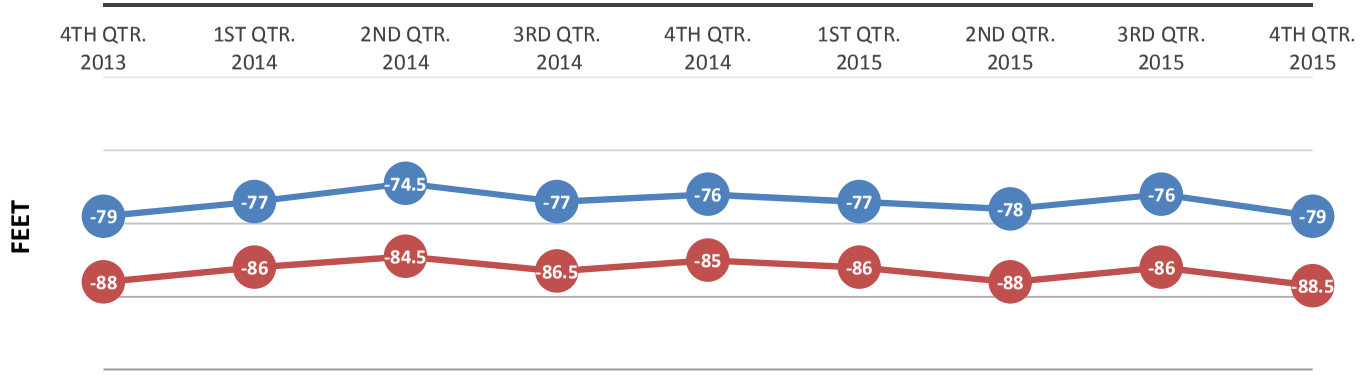
Static and Pumping Levels

Well 3 Mar-Val



Latest Well Sounding

Static:	79 Ft
Pumping:	88.5 Ft
Drawdown:	9.5 Ft
GPM:	900.00
Specific Capacity:	94.737



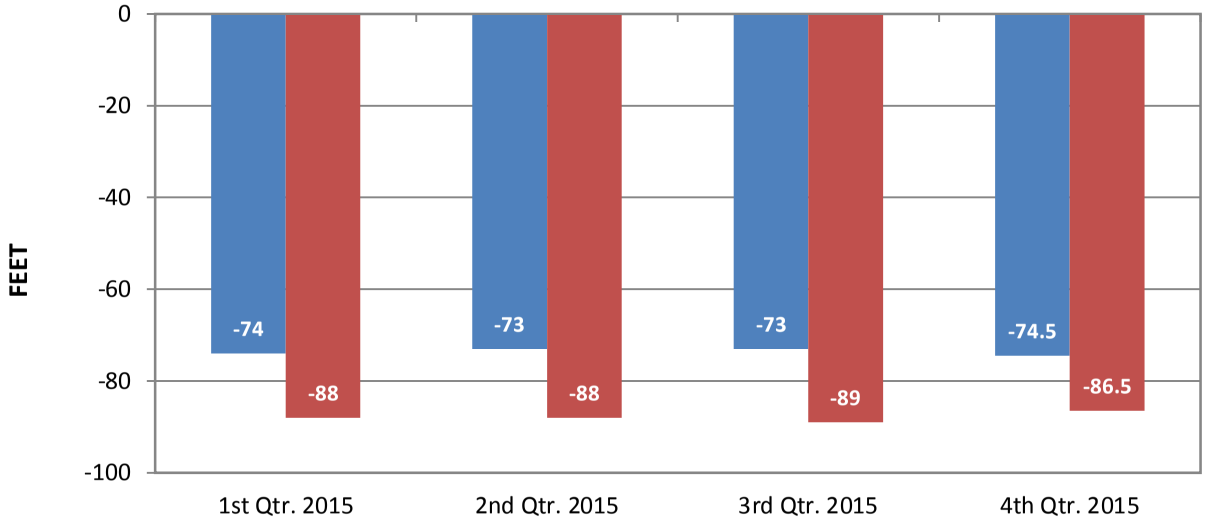
Latest Sand Tester Results:

15 Min: < 5 ppm

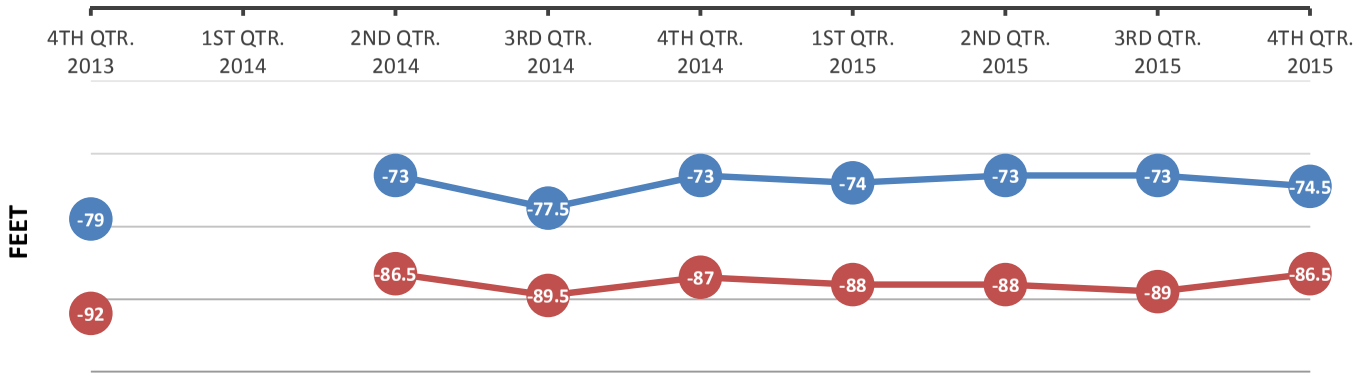
Elk Grove Water District

Static and Pumping Levels

Well 8 Williamson



Sounding Quarter/Year



Latest Well Sounding

Static:	74.5 Ft
Pumping:	86.5 Ft
Drawdown:	12 Ft
GPM:	820.00
Specific Capacity:	68.333

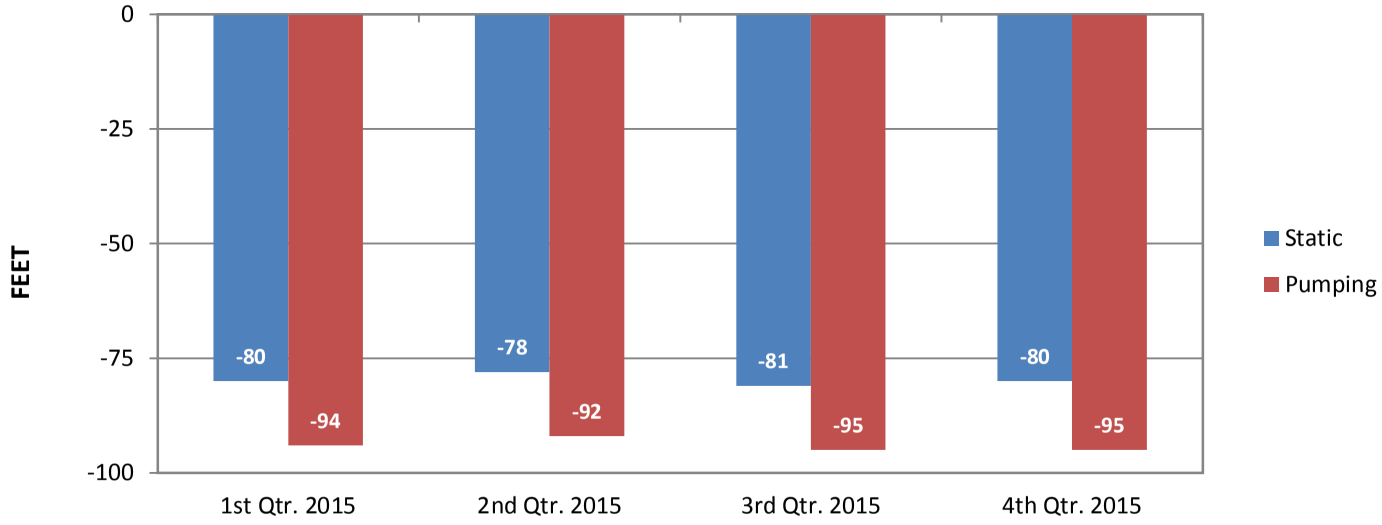
Latest Sand Tester Results:

15 Min: < 5 ppm

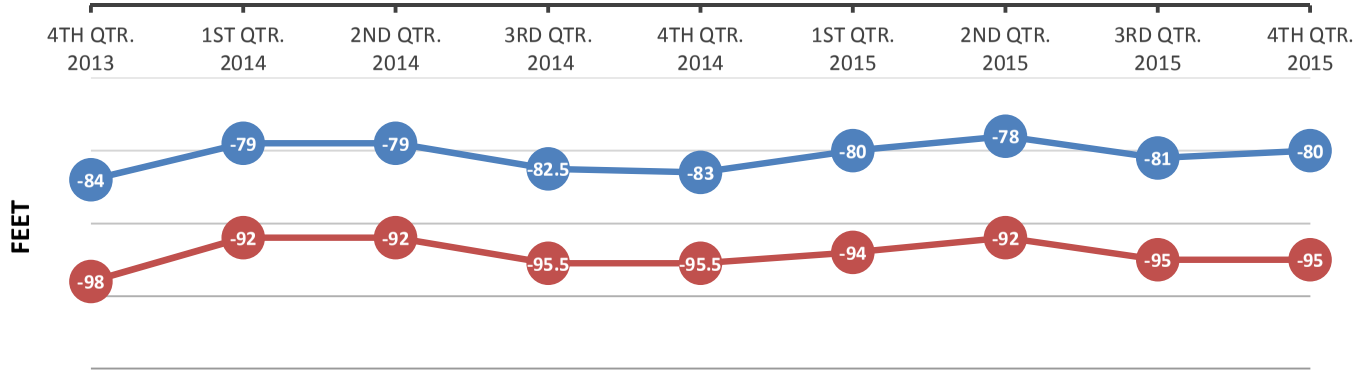
Elk Grove Water District

Static and Pumping Levels

Well 9 Polhemus



Sounding Quarter/Year



Latest Well Sounding

Static:	80 Ft
Pumping:	95 Ft
Drawdown:	15 Ft
GPM:	490.00
Specific Capacity:	32.667

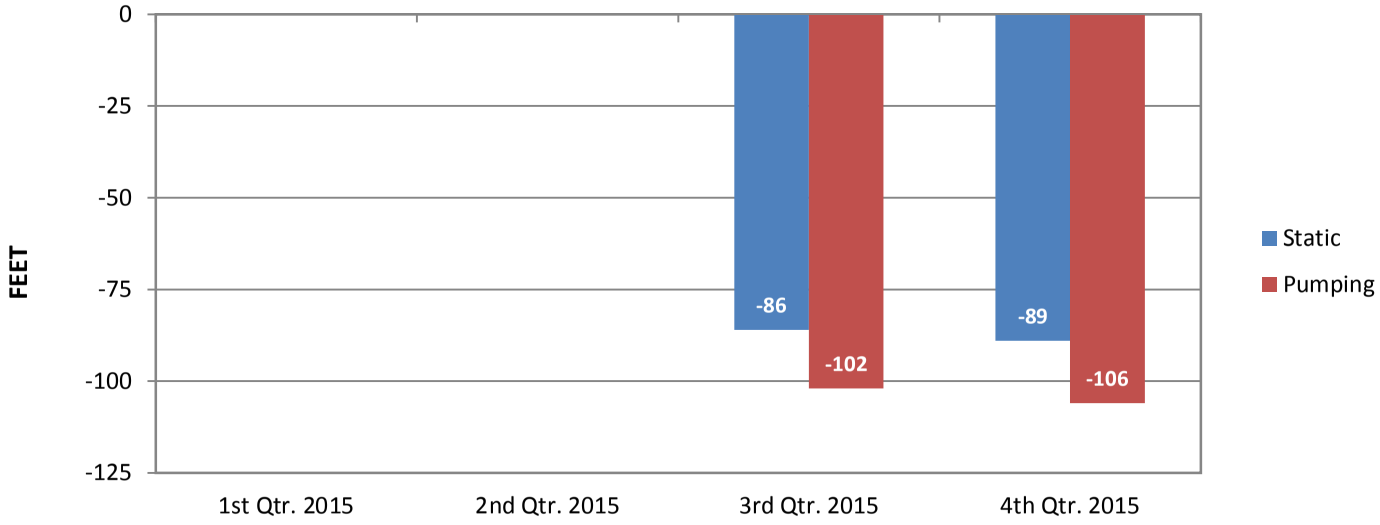
Latest Sand Tester Results:

15 Min: < 5 ppm

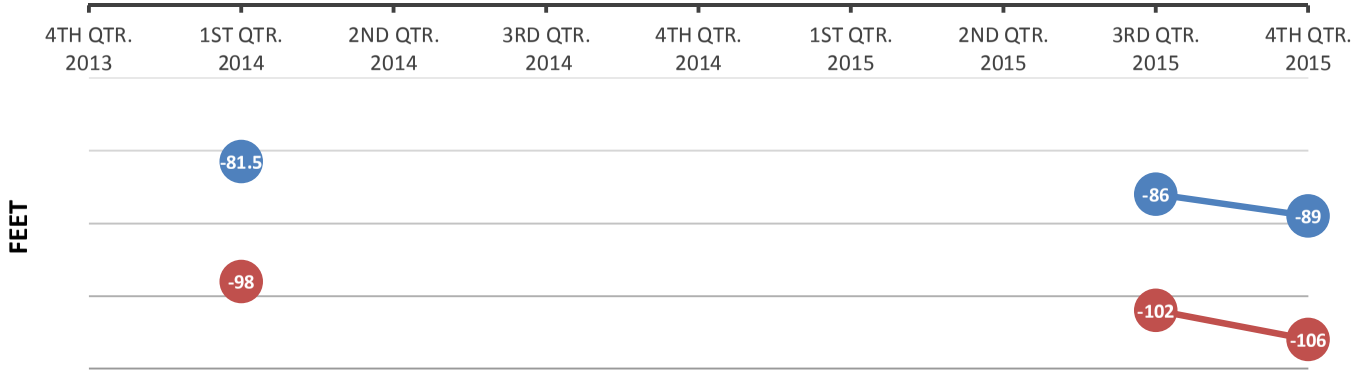
Elk Grove Water District

Static and Pumping Levels

Well 13 Hampton



Sounding Quarter/Year



Latest Well Sounding

Static:	89 Ft
Pumping:	106 Ft
Drawdown:	17 Ft
GPM:	978.00
Specific Capacity:	57.529

Latest Sand Tester Results:

15 Min:	< 5 ppm

Monthly Sample Report - November 2015
Water System: Elk Grove Water System

Sampling Point: 01 - 8693 W. Camden			
Sample Date	**Sample Class**	**Sample Name**	**Collection Occurrence**
11/3/2015	Distribution System	Bacteriological	Week
11/10/2015	Distribution System	Bacteriological	Week
11/17/2015	Distribution System	Bacteriological	Week
11/24/2015	Distribution System	Bacteriological	Week

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

Sampling Point: 02 - 9425 Emerald Vista			
Sample Date	**Sample Class**	**Sample Name**	**Collection Occurrence**
11/3/2015	Distribution System	Bacteriological	Week
11/10/2015	Distribution System	Bacteriological	Week
11/17/2015	Distribution System	Bacteriological	Week
11/24/2015	Distribution System	Bacteriological	Week

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

Sampling Point: 03 - 8809 Valley Oak			
Sample Date	**Sample Class**	**Sample Name**	**Collection Occurrence**
11/3/2015	Distribution System	Bacteriological	Week
11/10/2015	Distribution System	Bacteriological	Week
11/17/2015	Distribution System	Bacteriological	Week
11/24/2015	Distribution System	Bacteriological	Week

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

Sampling Point: 04 - 10122 Glacier Point			
Sample Date	**Sample Class**	**Sample Name**	**Collection Occurrence**
11/3/2015	Distribution System	Bacteriological	Week
11/10/2015	Distribution System	Bacteriological	Week
11/17/2015	Distribution System	Bacteriological	Week
11/24/2015	Distribution System	Bacteriological	Week

Sampling Point: 05 - 9230 Amsden Ct.			
Sample Date	**Sample Class**	**Sample Name**	**Collection Occurrence**
11/3/2015	Distribution System	Bacteriological	Week
11/10/2015	Distribution System	Bacteriological	Week
11/17/2015	Distribution System	Bacteriological	Week
11/24/2015	Distribution System	Bacteriological	Week

Sampling Point: 06 - 9227 Rancho Dr.			
Sample Date	**Sample Class**	**Sample Name**	**Collection Occurrence**
11/3/2015	Distribution System	Bacteriological	Week
11/10/2015	Distribution System	Bacteriological	Week
11/17/2015	Distribution System	Bacteriological	Week
11/24/2015	Distribution System	Bacteriological	Week

Sampling Point: 07 - Al Gates Park Mainline Dr.			
Sample Date	**Sample Class**	**Sample Name**	**Collection Occurrence**
11/3/2015	Distribution System	Bacteriological	Week
11/10/2015	Distribution System	Bacteriological	Week
11/17/2015	Distribution System	Bacteriological	Week
11/24/2015	Distribution System	Bacteriological	Week

Sampling Point: - Williamson Well 8 Raw Water			
Sample Date	**Sample Class**	**Sample Name**	**Collection Occurrence**

Sampling Point: 09 - 9436 Hollow Springs Wy.			
Sample Date	**Sample Class**	**Sample Name**	**Collection Occurrence**
11/3/2015	Distribution System	Bacteriological	Week
11/10/2015	Distribution System	Bacteriological	Week
11/17/2015	Distribution System	Bacteriological	Week
11/24/2015	Distribution System	Bacteriological	Week

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

Sampling Point: 09 - 8417 Blackman Wy.			
Sample Date	**Sample Class**	**Sample Name**	**Collection Occurrence**
11/3/2015	Distribution System	Bacteriological	Week
11/10/2015	Distribution System	Bacteriological	Week
11/17/2015	Distribution System	Bacteriological	Week
11/24/2015	Distribution System	Bacteriological	Week

Sampling Point: 10 - 9373 Oreo Ranch Cir.			
Sample Date	**Sample Class**	**Sample Name**	**Collection Occurrence**
11/3/2015	Distribution System	Bacteriological	Week
11/10/2015	Distribution System	Bacteriological	Week
11/17/2015	Distribution System	Bacteriological	Week
11/24/2015	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**
11/3/2015	Treated Plant Effluent	WTP Eff - Fe,Mn,As,Al Total	Month
11/3/2015	Treated Plant Effluent	WTP Eff - Fe,Mn,As,Al Dissolved	Month

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

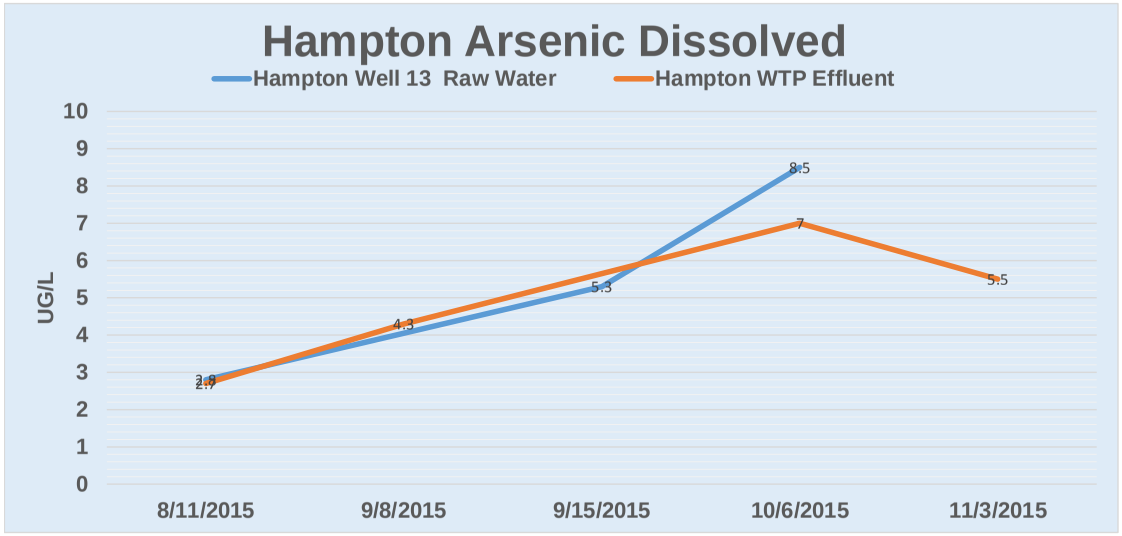
Sampling Point: Railroad Well 14D - Raw Water			
Sample Date	**Sample Class**	**Sample Name**	**Collection Occurrence**

Sampling Point: Railroad WTP Effluent			
Sample Date	**Sample Class**	**Sample Name**	**Collection Occurrence**
11/3/2015	Treated Plant Effluent	WTP Eff - Fe,Mn,As,Al Total	Month
11/3/2015	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**
11/13/2015	Distribution System	9558 Quarter Horse Ct.	Main Valve Replacement

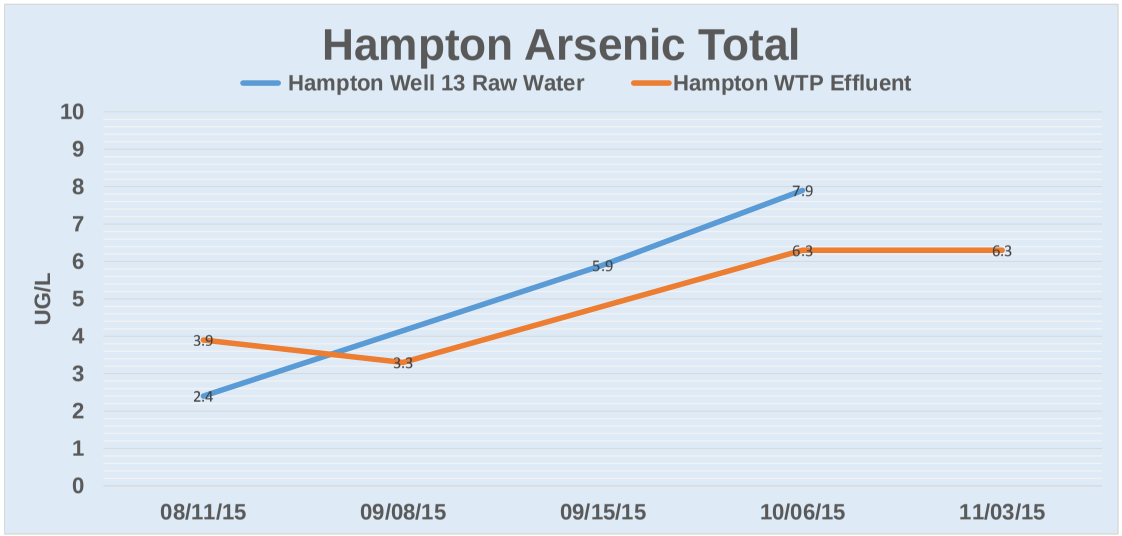
Colors	Monthly Total	Yearly Total
Black = Scheduled	42	591
Green = Unscheduled	3	91
Red = Incomplete Sample	0	0

Hampton Arsenic Results



Hampton Arsenic Dissolved

Date	Hampton Well 13 Raw Water	Hampton WTP Effluent
08/11/15	2.8	2.7
09/08/15		4.3
09/15/15	5.3	
10/06/15	8.5	7
11/03/15		5.5
Average	5.5	4.875



Hampton Arsenic Total

Date	Hampton Well 13 Raw Water	Hampton WTP Effluent
08/11/15	2.4	3.9
09/08/15		3.3
09/15/15	5.9	
10/06/15	7.9	6.3
11/03/15		6.3
Average	5.4	4.95

Elk Grove Water District

A DEPARTMENT OF THE
Florin Resource Conservation District

December 7, 2015

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

MONTHLY SUMMARY OF DISTRIBUTION SYSTEM COLIFORM MONITORING

Enclosed is the Monthly Summary of Distribution System Coliform Monitoring report from Elk Grove Water District for November 2015.

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

STEVE SHAW
WATER TREATMENT FOREMAN

9257 Elk Grove Blvd. Elk Grove, CA 95624 (916) 685-3556 Fax (916) 685-5376

State of California -- Health and Human Services Agency

Department of Public Health
Drinking Water Program

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

System Name	System Number
Elk Grove Water District	3410008
Sampling Period	
Month: **November**	Year: 2015

	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 ***Negative*** (see notes 5 and 6)		0	0	
3. Repeat Samples following Routine Samples that are Total Coliform ***Positive*** and Fecal/E.coli Positive (see notes 5 and 6)		0		
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 %

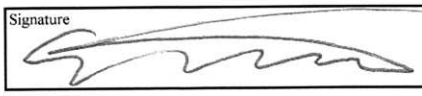
c. Is system in compliance.....with fecal/E. coli MCL? (see notes 2 and 3) ☑ Yes ☐ No

...with monthly MCL? (see note 4) ☑ Yes ☐ 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	

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	Date
	Water Treatment Foreman	12/7/2015

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.**

Elk Grove Water District
A DEPARTMENT OF THE
Florin Resource Conservation District

December 7, 2015

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 November 2015.

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

STEVE SHAW
WATER TREATMENT FOREMAN

9257 Elk Grove Blvd. Elk Grove, CA 95624 (916) 685-3556 Fax (916) 685-5376

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:	11	Year:	2015

☑ Water use/flow meter report

Railroad WTP: 0

Hampton WTP: 0

☐ Monitoring results/analytical report

	Date	Time	pH
Hampton WTP			
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	2	16	25	800
Office	3	16	20	960
Drivers/Field	19	16	5	1620
			Total	3280

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 (Name) Water Treatment Foreman (Title)

DATE: 12/7/2015

Elk Grove Water District Monthly Waste Report

Date	Operator	Railroad WTP Waste Meter	Gallons	Hampton WTP Waste Meter	Gallons
1	DF	10664688	0	81357.83	0
2	WQ	10664688	0	81357.83	0
3	SM	10664688	0	81357.83	0
4	AH	10664688	0	81357.83	0
5	WQ	10664688	0	81357.83	0
6	JV	10664688	0	81357.83	0
7	JV	10664688	0	81357.83	0
8	JV	10664688	0	81357.83	0
9	WQ	10664688	0	81357.83	0
10	WQ	10664688	0	81357.83	0
11	WQ	10664688	0	81357.83	0
12	WQ	10664688	0	81357.83	0
13	WQ	10664688	0	81357.83	0
14	WQ	10664688	0	81357.83	0
15	JC	10664688	0	81357.83	0
16	WQ	10664688	0	81357.83	0
17	WQ	10664688	0	81357.83	0
18	AH	10664688	0	81357.83	0
19	WQ	10664688	0	81357.83	0
20	AA	10664688	0	81357.83	0
21	AA	10664688	0	81357.83	0
22	AA	10664688	0	81357.83	0
23	AH	10664688	0	81357.83	0
24	WQ	10664688	0	81357.83	0
25	AH	10664688	0	81357.83	0
26	JM	10664688	0	81357.83	0
27	JM	10664688	0	81357.83	0
28	WQ	10664688	0	81357.83	0
29	WQ	10664688	0	81357.83	0
30	WQ	10664688	0	81357.83	0
31					

Year: 2015

Elk Grove Water District

Preventative Maintenance Program

M.C.C. and Lab

Item		Quarterly Refer.	1st	2nd	3rd	4th	Annual Refer.	2015
Fume Hood	Initials	Sect: 1.1.1	AH	AH	AH		Sect: 1.2.3	
	Date		3/31/15	6/11/15	9/21/15			
	W.O. #		12205	12720	13054			
Dulco-meter	Initials	Sect: 1.1.2	AH	AH	AH			
	Date		2/25/15	6/11/15	9/21/15			
	W.O. #		12205	12720	13054			
M.C.C.	Initials						Sect: 1.2.1	
	Date							
	W.O. #							
Circuit Breaker	Initials						Sect: 1.2.2	
	Date							
	W.O. #							
Cl2 DPD Handheld	Initials	Sect: 1.1.3	WQ	WQ/AH	WQ			
	Date		2/23/15	6/15/15	9/14/15			
	W.O. #		12205	12720	13054			

Year: 2015

Elk Grove Water District

Preventative Maintenance Program

Backwash System and Storage Tanks

Item		MONTHLY												Semi-annual			Annu./Bi-annu.		
		Refer.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Refer.	1ST 6-MO.	2ND 6-MO.	Refer.	2015	Periodic
Mag meter	Initials																	Sect: 2.3.2		
	Date																			
	W.O. #																			
MCC	Initials																	Sect: TBD		
	Date																			
	W.O. #																			
Pressure Transdcr	Initials																	Sect: 2.2.1		
	Date																			
	W.O. #																			
Backwash Tank	Initials																	Sect: 2.3.4		
	Date																			
	W.O. #																			
Return Pumps	Initials	Sect: TBD	AH	WQ	AH	AH	WQ	AH	AH	WQ	AH	WQ	AH		Sect: TBD	AH/WQ				
	Date		1/15/15	2/24/15	3/23/15	4/27/15	5/27/15	6/8/15	7/23/15	8/27/15	9/14/15	10/27/15	11/13/15			6/12/15				
	W.O. #		11842	12210	12302	12520	12603	12718	12840	12975	13034	13211	13355			12719				
Storage Tanks	Initials																	Sect: 2.4.1		
	Date																			
	W.O. #																			
Bray Valves	Initials																	Sect: 2.2.2		
	Date																			
	W.O. #																			

Year: 2015

Elk Grove Water District

Preventative Maintenance Program

Booster Pumps

Item		Monthly Refer.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Semi-annual Refer.	1ST 6-MO.	2ND 6-MO.	Annual Refer.	2015
Electric Motor	Initials	Sect: 3.1.1	AH	WQ	AH	AH	WQ	WQ	AH	AH	AH	WQ	AH		Sect: 3.2.1	AH			
	Date		1/15/15	2/10/15	3/23/15	4/27/15	5/19/15	6/18/15	7/23/15	8/24/15	9/14/15	10/27/15	11/13/15			6/30/15			
	W.O. #		11846	2196	12303	12519	12605	12721	12837	12974	13033	13210	13354			12722			
PUMP	Initials	Sect: 3.1.2	AH	WQ	AH	AH	WQ	WQ	AH	AH	AH	WQ	AH					Sect: 3.2.4	
	Date		1/15/15	2/10/15	3/23/15	4/27/15	5/19/15	6/18/15	7/23/15	8/24/15	9/14/15	10/27/15	11/13/15						
	W.O. #		11846	12196	12303	12519	12605	12721	12837	12974	13033	13210	13354						
A.R.V.	Initials																	Sect: 3.3.1	WQ
	Date																		2/20/15
	W.O. #																		12203
Rising stem Valve	Initials																	Sect: 3.3.3	WQ/AH
	Date																		3/30/15
	W.O. #																		12203

Year: 2015

Elk Grove Water District

Preventative Maintenance Program

Clor-Tec System

Item		Monthly Refer.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Quarterly Refer.	1st	2nd	3rd	4th	Annual Refer.	2015
CL2 Meter System	Initials	Sect: 4.2.1	WQ	WQ	WQ	WQ	WQ	WQ	AH	WQ	WQ	WQ	WQ							Sect: 4.4.1	
	Date		1/13/15	2/5/15	3/11/15	4/16/15	5/27/15	6/10/15	7/23/15	8/10/15	9/2/15	10/21/15	11/2/05								
	W.O. #		11624	12190	12294	12517	12607	12714	12841	12973	13031	13209	13356								
Exhaust Fan	Initials														Sect: 4.3.1	WQ	WQ	AH/WQ			
	Date															2/25/15	6/30/15	9/24/15			
	W.O. #															12202	12715	13053			
Hydrogen Blow/Det.	Initials																			Section: 4.4.2/4.4.3	
	Date																				
	W.O. #																				
Cell and Electrode	Initials														Sect: 4.3.2	WQ	WQ	WQ			
	Date															2/18/15	6/10/15	9/14/15			
	W.O. #															12202	12715	13053			
Hypo/Brine Tank	Initials	Sect: 4.2.3	WQ	WQ	WQ	WQ	WQ	WQ	AH	WQ	WQ	WQ	WQ							Sect: 4.4.5	
	Date		1/13/15	2/5/15	3/11/15	4/16/15	5/27/15	6/10/15	7/23/15	8/10/15	9/2/15	10/21/15	11/2/15								
	W.O. #		11624	12190	12294	12517	12607	12714	12841	12973	13031	13209	13356								
Water Softener	Initials																			Sect: 4.4.6	
	Date																				
	W.O. #																				
Rectifier	Initials	Sect: 4.2.4	WQ	WQ	WQ	WQ	WQ	WQ	AH	WQ	WQ	WQ	WQ								
	Date		1/13/15	2/5/15	3/11/15	4/16/15	5/27/15	6/10/15	7/23/15	8/10/15	9/2/15	10/21/15	11/2/15								
	W.O. #		11624	12190	12294	12517	12607	12714	12841	12973	13031	13209	13356								
Clor-Tec Unit	Initials	Sect: 4.2.2	WQ	WQ	WQ	WQ	WQ	WQ	AH	WQ	WQ	WQ	WQ							Sect: 4.4.4	
	Date		1/13/15	2/5/15	3/11/15	4/16/15	5/27/15	6/10/15	7/23/15	8/10/15	9/2/15	10/21/15	11/2/15								
	W.O. #		11624	12190	12294	12517	12607	12714	12841	12973	13031	13209	13356								

Year: 2015

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.	2015
Air/Vac Valves	Initials																	Sect: 5.2.1	
	Date																		
	W.O. #																		
Bray Valves	Initials														Sect: 5.2.2	AH	WQ		
	Date															6/18/15	9/29/15		
	W.O. #															12724	13129		
CLA-VAL	Initials																	Sect: 5.3.1	
	Date																		
	W.O. #																		
Pilot Valves	Initials	Sect: 5.1.1	AH	AH/WQ	AH/WQ	AH	WQ	WQ	AH	AH	WQ	WQ	WQ					Sect: 5.3.2	
	Date		1/15/15	2/9/15	3/18/15	4/27/15	5/18/15	6/18/15	7/20/15	8/24/15	9/8/15	10/21/15	11/12/15						
	W.O. #		11845	12194	12299	12508	12606	12723	12838	12976	13035	13213	13357						
Press. Diff. Trnsdcr.	Initials																	Sect: 5.3.3	
	Date																		
	W.O. #																		
Vessels	Initials																	Sect: 5.3.4	
	Date																		
	W.O. #																		

Year: 2015

Elk Grove Water District

Preventative Maintenance Program

Standby Generator

Item		Monthly Refer	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Semi-annual Refer	1ST 6-MO.	2ND 6-MO.	Annual/Biannual Refer	2015	Periodic
Fuel Tank	Initials	Sect: 6.1.1	WQ	WQ	AH	WQ	WQ	AH	WQ	WQ	WQ	WQ	WQ		Sect: 6.2.1	AH		Sect: 6.3.1		
	Date		1/8/15	2/6/15	3/30/15	5/1/15	5/27/15	6/17/15	7/2/15	8/10/15	9/17/15	10/28/15	11/4/15			6/17/15				
	W.O. #		11550	12192	12311	12501	12604	12716	12839	12977	13032	13212	13353			12717				
Radiator	Initials														Sect: 6.2.2	AH		Section: 6.3.2/6.4.1		
	Date															6/17/15				
	W.O. #															12717				
Battery/ Charger	Initials	Sect: 6.1.2	WQ	WQ	AH	WQ	WQ	AH	WQ	WQ	WQ	WQ	WQ							
	Date		1/8/15	2/6/15	3/30/15	5/1/15	5/27/15	6/17/15	7/2/15	8/10/15	9/17/15	10/28/15	11/4/15							
	W.O. #		11550	12192	12311	12501	12604	12716	12839	12977	13032	13212	13353							
Coolant Heater	Initials																	Sect: 6.3.3		
	Date																			
	W.O. #																			
Generator	Initials	Sect: 6.1.3	WQ	WQ	AH	WQ	WQ	JD	WQ	WQ	WQ	WQ	WQ							
	Date		1/8/15	2/6/15	3/30/15	5/1/15	5/27/15	6/5/15	7/2/15	8/10/15	9/17/15	10/29/15	11/4/15							
	W.O. #		11550	12192	12311	12501	12604	12716	12839	12977	13032	13212	13353							
Engine	Initials														Sect: 6.2.3	AH		Section: 6.3.4/6.4.2		
	Date															6/17/15				
	W.O. #															12717				

Year: 2015

Elk Grove Water District

Preventative Maintenance Program

Well 1D School

Item		Monthly Refer.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Semi-annual Refer.	1ST 6-MO.	2ND 6-MO.	Annual Refer.	2015
Pump	Initials	Sect: 13.1.1	WQ	WQ	WQ	AH	AH	WQ	WQ	WQ	WQ	AH	WQ		Sect: 13.2.1	AH/WQ	AH/WQ		
	Date		1/9/15	2/10/15	3/3/15	4/1/15	5/27/15	6/16/15	7/13/15	8/24/15	9/17/15	10/15/15	11/5/15			6/22/15	11/30/15		
	W.O. #		11831	12195	12310	12514	12599	12727	12845	12979	13047	13208	1360			12728	13369		
Motor	Initials	Sect: 13.1.2	WQ	WQ	WQ	AH	AH	WQ	WQ	WQ	WQ	AH	WQ		Sect: 13.2.2	AH/WQ	AH/WQ		
	Date		1/9/15	2/10/15	3/3/15	4/1/15	5/27/15	6/16/15	7/13/15	8/24/15	9/17/15	10/15/15	11/5/15			6/22/15	11/30/15		
	W.O. #		11831	12195	12310	12514	12599	12727	12845	12979	13047	13208	13360			12728	13369		
Press/Lvl Transdcr.	Initials																	Sect: 13.3.2	
	Date																		
	W.O. #																		
Isolation Valves	Initials																	Sect: 13.3.6	WQ
	Date																		4/13/15
	W.O. #																		12512
Cla-Val	Initials																	Sect: 13.3.1	
	Date																		
	W.O. #																		
Mag-Meter	Initials																	Sect: 13.3.3	
	Date																		
	W.O. #																		
A.R.V.	Initials														Sect: 13.2.3	AH/WQ	AH/WQ	Sect: 13.3.4	
	Date															6/22/15	11/30/15		
	W.O. #															12728	13369		
M.C.C.	Initials																	Sect: 13.3.5	
	Date																		
	W.O. #																		

Year: 2015

Elk Grove Water District

Preventative Maintenance Program

Well 4D Webb

Item		Monthly Refer.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Semi-annual Refer.	1ST 6-MO.	2ND 6-MO.	Annual/Biannual Refer.	2015	Periodic
Pump	Initials	Sect: 8.1.1	WQ	WQ	WQ	WQ	WQ	WQ	AH	WQ	WQ	WQ	WQ		Sect: 8.2.1	WQ				
	Date		1/7/15	2/12/15	3/17/15	4/2/15	5/6/15	6/15/15	7/15/15	8/17/15	9/3/15	10/7/15	11/13/15			6/29/15				
	W.O. #		11829	12198	12300	12502	12602	12731	12847	12983	13036	13207	13363			12732				
Motor	Initials	Sect: 8.1.2	WQ	WQ	WQ	WQ	WQ	WQ	AH	WQ	WQ	WQ	WQ		Sect: 8.2.2	WQ				
	Date		1/7/15	2/12/15	3/17/15	4/2/15	5/6/15	6/15/15	7/15/15	8/17/15	9/3/15	10/7/15	11/13/15			6/29/15				
	W.O. #		11829	12198	12300	12502	12602	12731	12847	12983	13036	13207	13363			12732				
Press/Lvl Transdcr.	Initials																	Sect: 8.3.2		
	Date																			
	W.O. #																			
Isolation Valves	Initials																	Sect: 8.3.6	WQ	
	Date																		4/13/15	
	W.O. #																		12207	
Cla-Val	Initials																	Sect: 8.3.1		
	Date																			
	W.O. #																			
Mag-Meter	Initials																	Sect: 8.3.3		
	Date																			
	W.O. #																			
A.R.V.	Initials														Sect: 8.2.3	WQ		Sect: 8.3.4		
	Date															6/29/15				
	W.O. #															12732				
M.C.C.	Initials																	Sect: 8.3.5		
	Date																			
	W.O. #																			
Portable Generator	Initials	Sect: 8.1.3	WQ	WQ	WQ	WQ	WQ	WQ	AH	WQ	WQ	WQ	WQ		Sect: 8.2.4	WQ		Section: 8.3.7/8.4.1		
	Date		1/7/15	2/12/15	3/17/15	4/2/15	5/6/15	6/15/15	7/15/15	8/17/15	9/3/15	10/7/15	11/13/15			6/29/15				
	W.O. #		11829	12198	12300	12502	12602	12731	12847	12983	13036	13207	13363			12732				
Generator Set	Initials																	Sect: 8.4.2		
	Date																			
	W.O. #																			

Year: 2015

Elk Grove Water District

Preventative Maintenance Program

Well 11D Dino

Item		Monthly Refer.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Semi-annual Refer.	1ST 6-MO.	2ND 6-MO.	Annual/Biannual Refer.	2015	Periodic
Pump	Initials	Sect: 9.1.1	WQ	WQ	WQ	AH	AH	WQ	WQ	WQ	WQ	WQ	WQ		Sect: 9.2.1	WQ	WQ/AH			
	Date		1/6/15	2/2/15	3/24/15	4/2/15	5/27/15	6/15/15	7/15/15	8/17/15	9/9/15	10/20/15	11/13/15			6/29/15	11/30/15			
	W.O. #		11827	12186	12304	12503	12601	12725	12846	12982	13037	13206	13359			12726	13370			
Motor	Initials	Sect: 9.1.2	WQ	WQ	WQ	AH	AH	WQ	WQ	WQ	WQ	WQ	WQ		Sect: 9.2.2	WQ	WQ/AH			
	Date		1/6/15	2/2/15	3/24/15	4/2/15	5/27/15	6/15/15	7/15/15	8/17/15	9/9/15	10/20/15	11/13/15			6/29/15	11/30/15			
	W.O. #		11827	12186	12304	12503	12601	12725	12846	12982	13037	13206	13359			12726	13370			
Press/Lvl Transdcr.	Initials																	Sect: 9.3.2		
	Date																			
	W.O. #																			
Isolation Valves	Initials																	Sect: 9.3.6	WQ	
	Date																		4/13/15	
	W.O. #																		12206	
Cla-Val	Initials																	Sect: 9.3.1		
	Date																			
	W.O. #																			
Mag-Meter	Initials																	Sect: 9.3.3		
	Date																			
	W.O. #																			
A.R.V.	Initials														Sect: 9.2.3	WQ	WQ/AH	Sect: 9.3.4		
	Date															6/29/15	11/30/15			
	W.O. #															12726	13370			
M.C.C.	Initials																	Sect: 9.3.5		
	Date																			
	W.O. #																			
Portable Generator	Initials	Sect: 9.1.3	WQ	WQ	WQ	AH	AH	WQ	WQ	WQ	WQ	WQ	WQ		Sect: 9.2.4	WQ	WQ/AH	Section: 9.3.7/9.4.1		
	Date		1/6/15	2/2/15	3/24/15	4/2/15	5/27/15	6/15/15	7/15/15	8/17/15	9/9/15	10/20/15	11/13/15			6/29/15	11/30/15			
	W.O. #		11827	12186	12304	12503	12601	12725	12846	12982	13037	13206	13359			12726	13370			
Generator Set	Initials																	Sect: 9.4.2		
	Date																			
	W.O. #																			

Year: 2015

Elk Grove Water District

Preventative Maintenance Program

Well 14D Railroad

Item		Monthly Refer.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Semi-annual Refer.	1ST 6-MO.	2ND 6-MO.	Annual Refer.	2015
Pump	Initials	Sect: 7.1.1	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ		Sect: 7.2.1	WQ	AH/WQ		
	Date		1/8/15	2/4/15	3/30/15	4/1/15	5/20/15	6/17/15	7/2/15	8/24/15	9/15/15	10/1/15	11/5/15			6/29/15	11/30/15		
	W.O. #		11830	12188	12308	12504	12600	12735	12844	12978	13039	13202	13364			12736	13368		
Motor	Initials	Sect: 7.1.2	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ		Sect: 7.2.2	WQ	AH/WQ		
	Date		1/8/15	2/4/15	3/30/15	4/1/15	5/20/15	6/17/15	7/2/15	8/24/15	9/15/15	10/1/15	11/5/15			6/29/15	11/30/15		
	W.O. #		11830	12188	12308	12504	12600	12735	12844	12978	13039	13202	13364			12736	13368		
Press/Lvl Transdcr.	Initials																	Sect: 7.3.2	
	Date																		
	W.O. #																		
Isolation Valves	Initials																	Sect: 7.3.6	WQ
	Date																		3/6/15
	W.O. #																		12293
Cla-Val	Initials																	Sect: 7.3.1	
	Date																		
	W.O. #																		
Mag-Meter	Initials																	Sect: 7.3.3	
	Date																		
	W.O. #																		
A.R.V.	Initials														Sect: 7.2.3	WQ	AH/WQ	Sect: 7.3.4	
	Date															6/29/15	11/30/15		
	W.O. #															12736	13368		
M.C.C.	Initials																	Sect: 7.3.5	
	Date																		
	W.O. #																		

Year: 2015

Elk Grove Water District

Preventative Maintenance Program

WELL 3 MAR-VAL

Item		Monthly												
		Refer.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Motor	Initials	Section: 12.1.2	AH	WQ	AH	WQ	WQ	WQ	WQ	WQ	WQ	AH	WQ	
	Date		1/9/15	2/5/15	3/25/15	4/6/15	5/7/15	6/15/15	7/16/15	8/26/15	9/16/15	10/26/15	11/16/15	
	W.O. #		11832	12191	12306	12506	12598	12733	12843	12981	13048	13205	13358	
Pump	Initials	Section: 12.1.1	AH	WQ	AH	WQ	WQ	WQ	WQ	WQ	WQ	AH	WQ	
	Date		1/9/15	2/5/15	3/25/15	4/6/15	5/7/15	6/16/15	7/16/15	8/26/15	9/16/15	10/26/15	11/16/15	
	W.O. #		11832	12191	12306	12506	12598	12733	12843	12981	13048	13205	13358	
Chlorine Pump	Initials													
	Date													
	W.O. #													
Air Charger	Initials													
	Date													
	W.O. #													
Check Valve	Initials													
	Date													
	W.O. #													
A.R.V.	Initials													
	Date													
	W.O. #													
M.C.C.	Initials													
	Date													
	W.O. #													
Pneumat Tank	Initials													
	Date													
	W.O. #													
Isolation Valves	Initials													
	Date													
	W.O. #													
Propeller Meter	Initials													
	Date													
	W.O. #													

Item		Quarterly				
		Refer.	2010	2nd	3rd	4th
Chlorine Pump	Initials	Section: 12.2.1	WQ	WQ	WQ	
	Date		2/24/15	6/15/15	9/24/15	
	W.O. #		12208	12734	13051	
Air Charger	Initials	Section: 12.2.2	WQ	WQ	WQ	
	Date		2/24/15	6/15/15	9/24/15	
	W.O. #		12208	12734	13051	
Pneumat Tank	Initials	Section: 12.2.3	WQ	WQ	WQ	
	Date		2/24/15	6/15/15	9/24/15	
	W.O. #		12208	12734	13051	

Item		Semi-annual		
		Refer.	1ST 6-MO.	2ND 6-MO.
Motor	Initials	Section: 12.3.2	WQ/AH	
	Date		6/22/15	
	W.O. #		12740	
Pump	Initials	Section: 12.3.1	WQ	
	Date		6/22/15	
	W.O. #		12740	
Check Valve	Initials	Section: 12.3.3	WQ	
	Date		6/22/15	
	W.O. #		12740	
A.R.V.	Initials	Section: 12.3.4	WQ	
	Date		6/22/15	
	W.O. #		12740	

Item		Annual	
		Refer.	2015
A.R.V.	Initials	Section: 12.4.4	
	Date		
	W.O. #		
M.C.C.	Initials	Section: 12.4.1	
	Date		
	W.O. #		
Pneumat Tank	Initials	Section: 12.4.5	
	Date		
	W.O. #		
Isolation Valves	Initials	Section: 12.4.3	WQ
	Date		4/13/15
	W.O. #		12509
Propeller Meter	Initials	Section: 12.4.2	
	Date		
	W.O. #		

Year: 2015

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 6-MO.	2ND 6-MO.	Refer.	2015
Motor	Initials	Section: 11.1.2	WQ	WQ	AH	WQ	WQ	WQ	WQ	WQ	WQ	AH	WQ							Section: 11.3.2	AH/WQ			
	Date		1/12/15	2/12/15	3/3/15	4/6/15	5/28/15	6/17/15	7/20/15	8/26/15	9/21/15	10/14/15	11/16/15								6/22/15			
	W.O. #		11834	12199	12309	12507	12597	12737	12842	12980	13049	13203	13362								12739			
Pump	Initials	Section: 11.1.1	WQ	WQ	AH	WQ	WQ	WQ	WQ	WQ	WQ	AH	WQ							Section: 11.3.1	AH/WQ			
	Date		1/12/15	2/12/15	3/3/15	4/6/15	5/28/15	6/17/15	7/20/15	8/26/15	9/21/15	10/14/15	11/16/15								6/22/15			
	W.O. #		11834	12199	12309	12507	12597	12737	12842	12980	13049	13203	13362								12739			
Chlorine Pump	Initials														Section: 11.2.1	WQ	AH/WQ	AH						
	Date															3/24/15	6/22/15	9/21/15						
	W.O. #															12350	12738	13050						
Air Charger	Initials														Section: 11.2.2	WQ	AH/WQ	AH						
	Date															3/24/15	6/22/15	9/21/15						
	W.O. #															12350	12738	13050						
Check Valve	Initials																			Section: 11.3.3	AH/WQ			
	Date																				6/22/15			
	W.O. #																				12739			
A.R.V.	Initials																			Section: 11.3.4	AH/WQ		Section: 11.4.4	
	Date																				6/22/15			
	W.O. #																				12739			
M.C.C.	Initials																						Section: 11.4.1	
	Date																							
	W.O. #																							
Pneumat Tank	Initials														Section: 11.2.3	WQ	AH/WQ	AH					Section: 11.4.5	
	Date															3/24/15	6/22/15	9/21/15						
	W.O. #															12350	12738	13050						
Isolation Valves	Initials																						Section: 11.4.3	WQ
	Date																							4/13/15
	W.O. #																							12510
Propeller Meter	Initials																						Section: 11.4.2	
	Date																							
	W.O. #																							

Year: 2015

Elk Grove Water District

Preventative Maintenance Program

Well 9 Polhemus

Item		Monthly Refer.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Quarterly Refer.	1st	2nd	3rd	4th	Annual Refer.	2015
Check Valve	Initials																				
	Date																				
	W.O. #																				
Chlorine Pump	Initials	Sect: TBD	WQ	WQ	AH	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ		Section: TBD	WQ	WQ	WQ		Section: TBD	
	Date		1/20/15	2/19/15	3/25/15	4/3/15	5/4/15	6/15/15	7/14/15	8/18/15	9/3/15	10/14/15	11/5/15			2/24/15	6/15/15	9/24/15			
	W.O. #		11764	12203	12307	12505	12596	12729	12848	12984	13038	13204	13361			12209	12730	13052			
Air Charger	Initials														Section: TBD	WQ	WQ	WQ			
	Date															2/24/15	6/15/15	9/24/15			
	W.O. #															12209	12730	13052			
Isolation Valves	Initials																			Section: TBD	WQ
	Date																				4/13/15
	W.O. #																				12511
A.R.V.	Initials																			Section: TBD	
	Date																				
	W.O. #																				
M.C.C.	Initials																			Section: TBD	
	Date																				
	W.O. #																				
Pneumat Tank	Initials														Section: TBD	WQ	WQ	WQ		Section: TBD	
	Date															2/24/15	6/15/15	9/24/15			
	W.O. #															12209	12730	13052			
Propeller Meter	Initials																			Section: TBD	
	Date																				
	W.O. #																				

Elk Grove Water District
Backflow Prevention Program 2015

Backflow Device Reports		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
CURRENT													
Notices Issued		9	24	95	4	56	38	186	98	54	31	30	
	Pass:	4	17	26	2	40	13	152	74	51	26	14	
Results Received	Fail:	0	2	0	0	0	0	5	4	1	1	0	
Failed Devices Retested----Passed			2					2	2	1	1		
Outstanding Results Due		5	5	69	2	16	25	37	22	2	4	16	

DELINQUENT		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Investigations													
Deactivated Devices				2				5	1				
	Sent:	5	5	69	2	16	25	32	18	2	4	16	
2nd Notice	Received:	0	4	0	2	8	21	14	9	1	3	1	
	Sent:	5	1	67		8	4	18	9	1	1		
3rd Notice	Received:	4	1	67		4	4	14	6	0	0		
Schedule Code Changed		1				4			3				
Outstanding Delinquents		0	0	0	0	0	0	4	3	1	1	15	
Carryover from 2014	0												

Total Outstanding Delinquents	**24**

Elk Grove Water District
Safety Meetings/Training
Nov-15

Date:	Topic:	Attendees:	Hosted By:
11/2/2015	Carbon Monoxide: Noisy Tools Can Harbor a Silent Killer	Jose M, John V, John D, Sean, Michael, Justin, Richard, Alan, Chris, Sal, Brandon, Steve, Aaron, Travis, Wilfredo, Marcel, David, William	Steve Shaw
11/9/2015	Avoid Back Injury by Lifting Correctly	Jose C, Jose M, John V, John D, Sean, Justin, Richard, Alan, Chris, Sal, Brandon, Steve, Aaron, Wilfredo, David, William	Steve Shaw
11/16/2015	Don't Dig into Trouble in Trenches	Jose C, Jose M, John V, John D, Sean, Michael, Justin, Richard, Alan, Chris, Brandon, Steve, Aaron, Travis, Wilfredo, Marcel, David, William	Steve Shaw
11/23/2015	A Burning Issue: Fire Prevention and Safety	Jose C, Jose M, John V, Sean, Michael, Justin, Richard, Alan, Chris, Sal, Brandon, Steve, Aaron, Travis, Wilfredo, Marcel, David, William	Steve Shaw
11/30/2015	Get a Leg Up on Ladder Safety	Jose C, Jose M, John V, Sean, Michael, Richard, Alan, Chris, Sal, Brandon, Steve, Aaron, Wilfredo, David, William	Steve Shaw

Legend

- Services to Replace
- Replaced Services in November 2015
- Replaced Services

Services to Replace: 477	Projected Coordinate System: NAD 83 State Plane, Californa II, FIPS 0420
Services Replaced in November 2015: 0	Source: City of Elk Grove, EGWD and Sacramento County GIS databases
Total Service Replaced: 142	Created by: Travis Franklin
	Date: December 7, 2015

Elk Grove Water District
Service Line Replacement

0 500 1,000 2,000 Feet

N W E S

Legend

Main Leaks

- November 2015
- July 2015 - October 2015
- July 2014 - June 2015
- July 2013 - June 2014
- July 2012 - June 2013

Service Leaks

- November 2015
- July 2015 - October 2015
- July 2014 - June 2015
- July 2013 - June 2014
- July 2012 - June 2013

- Service Area 1
- Service Area 2

November 2015	
Main Line Leaks: 0	YTD: 10
Service Line Leaks: 5	YTD: 24
Total Leaks: 5	YTD: 34

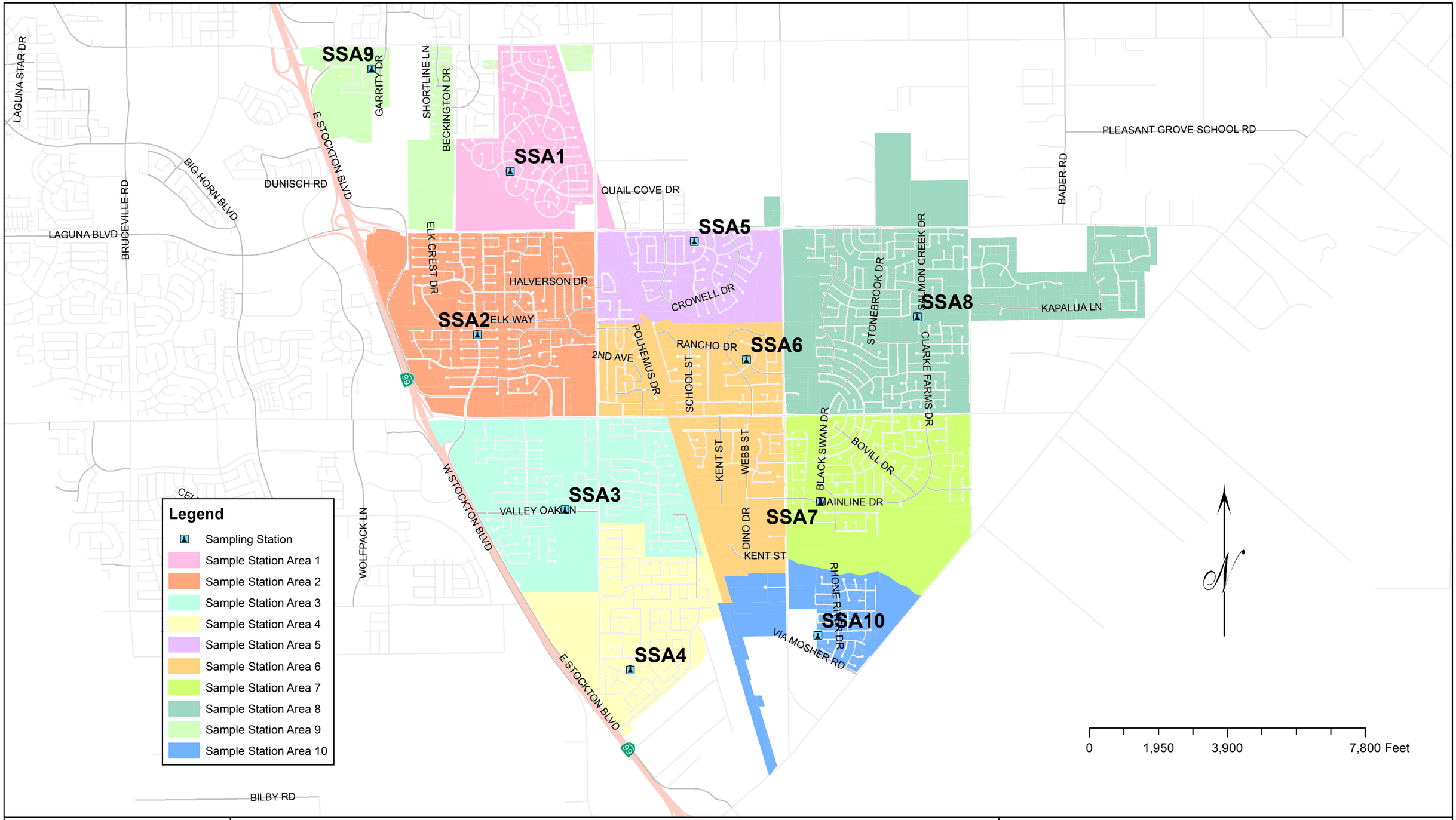
Elk Grove Water District

Service and Main Leaks Map

0 3,500 7,000 Feet

N W E S

Elk Grove Water District
Service / Main Leaks
Created by: Travis Franklin
Date: December 7, 2015



Sample Stations: 10

Elk Grove Water District

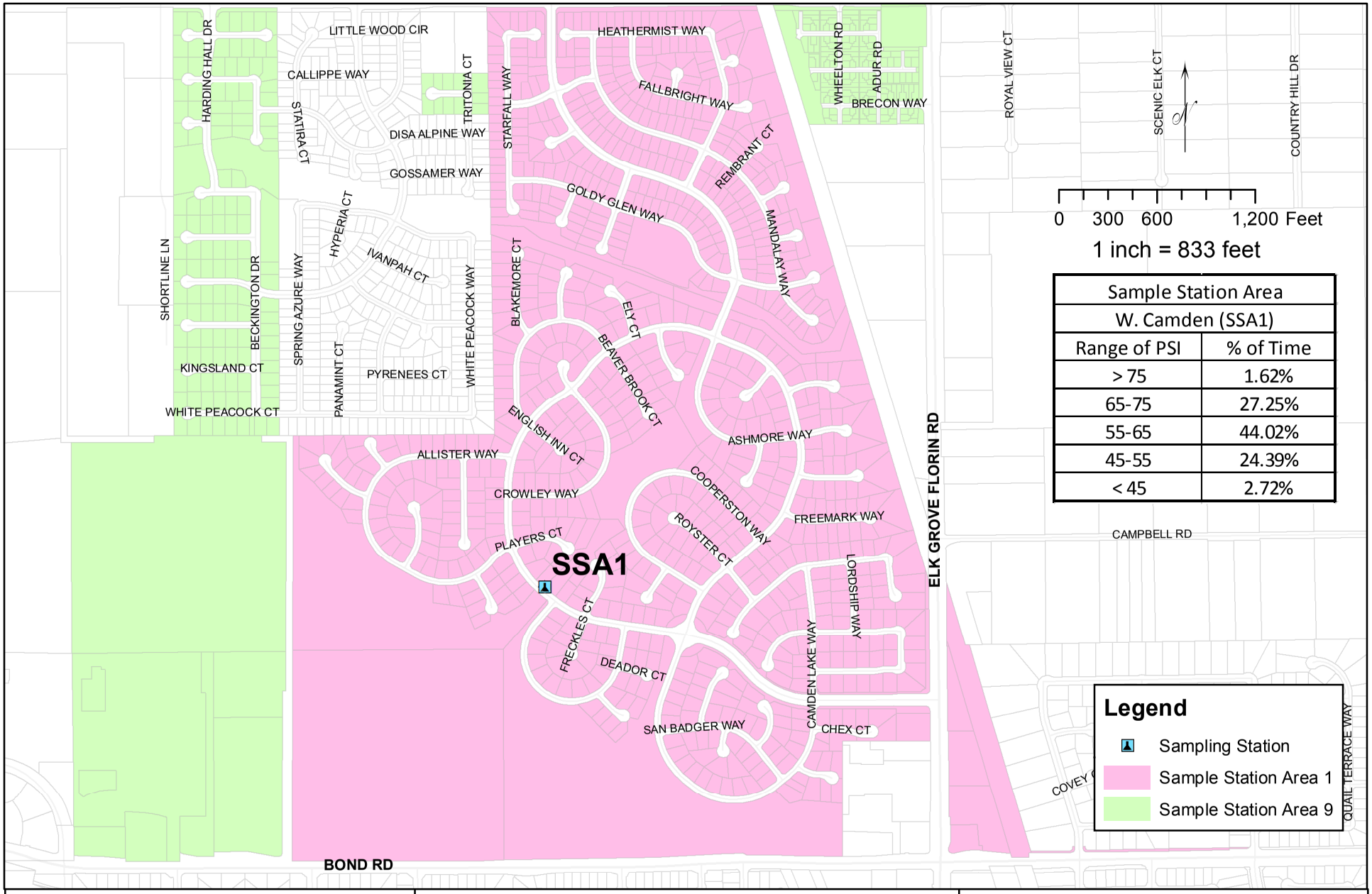
Sample Station Areas

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

Source: EGWD GIS database

Modified by: Travis Franklin

December 7, 2015

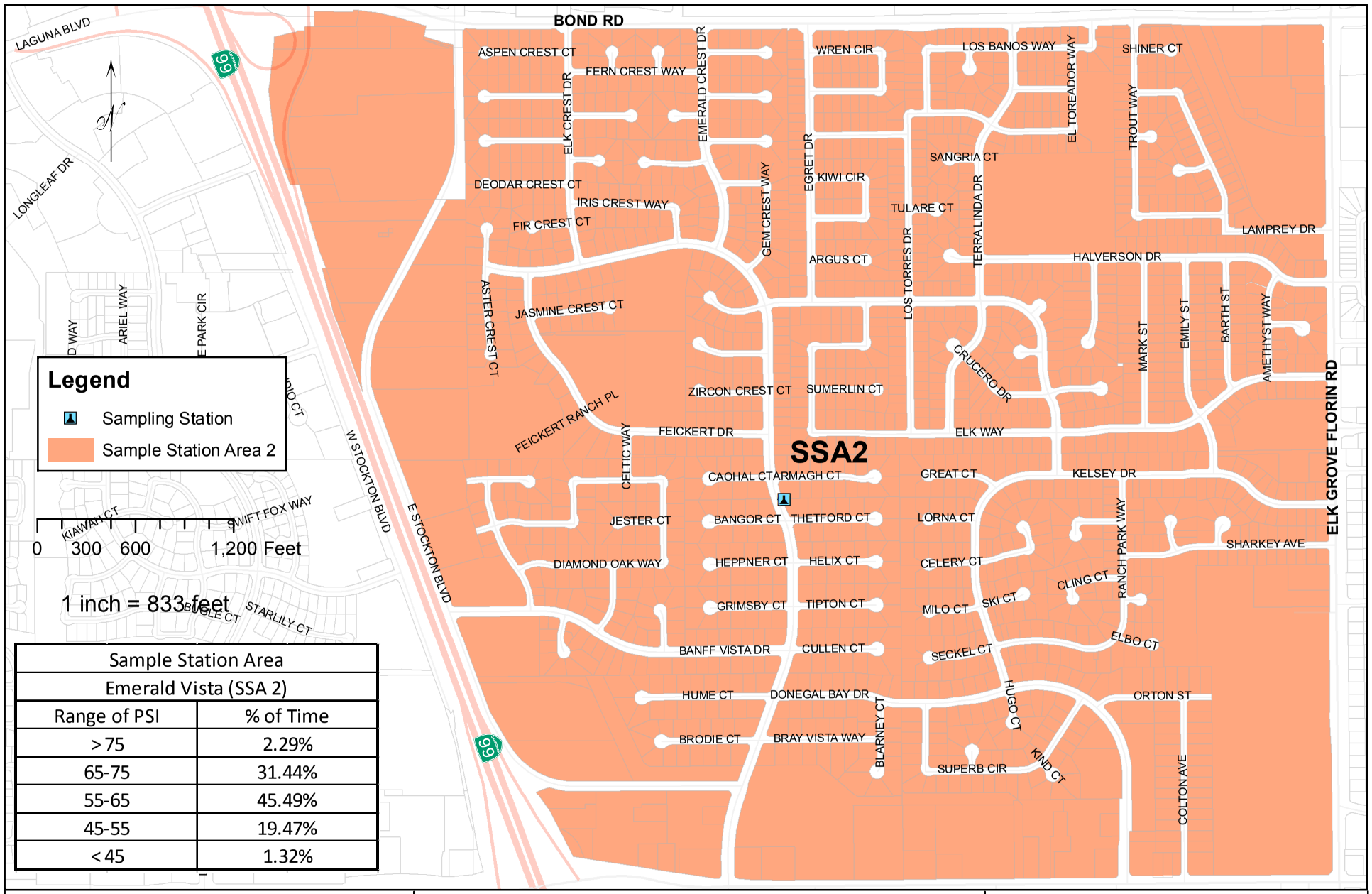


Sample Station #1
Note: Sample Station takes a reading every 5 minutes.
November 2015

Elk Grove Water District

System Pressure Monitoring

Projected Coordinate System:
NAD 83 State Plane CA II FIPS 0402
Source:EGWD GIS database
Created by: Travis Franklin
December 7, 2015



Sample Station Area	
Emerald Vista (SSA 2)	
Range of PSI	% of Time
> 75	2.29%
65-75	31.44%
55-65	45.49%
45-55	19.47%
< 45	1.32%

Sample Station #2

Note: Sample Station takes a reading every 5 minutes.

November 2015

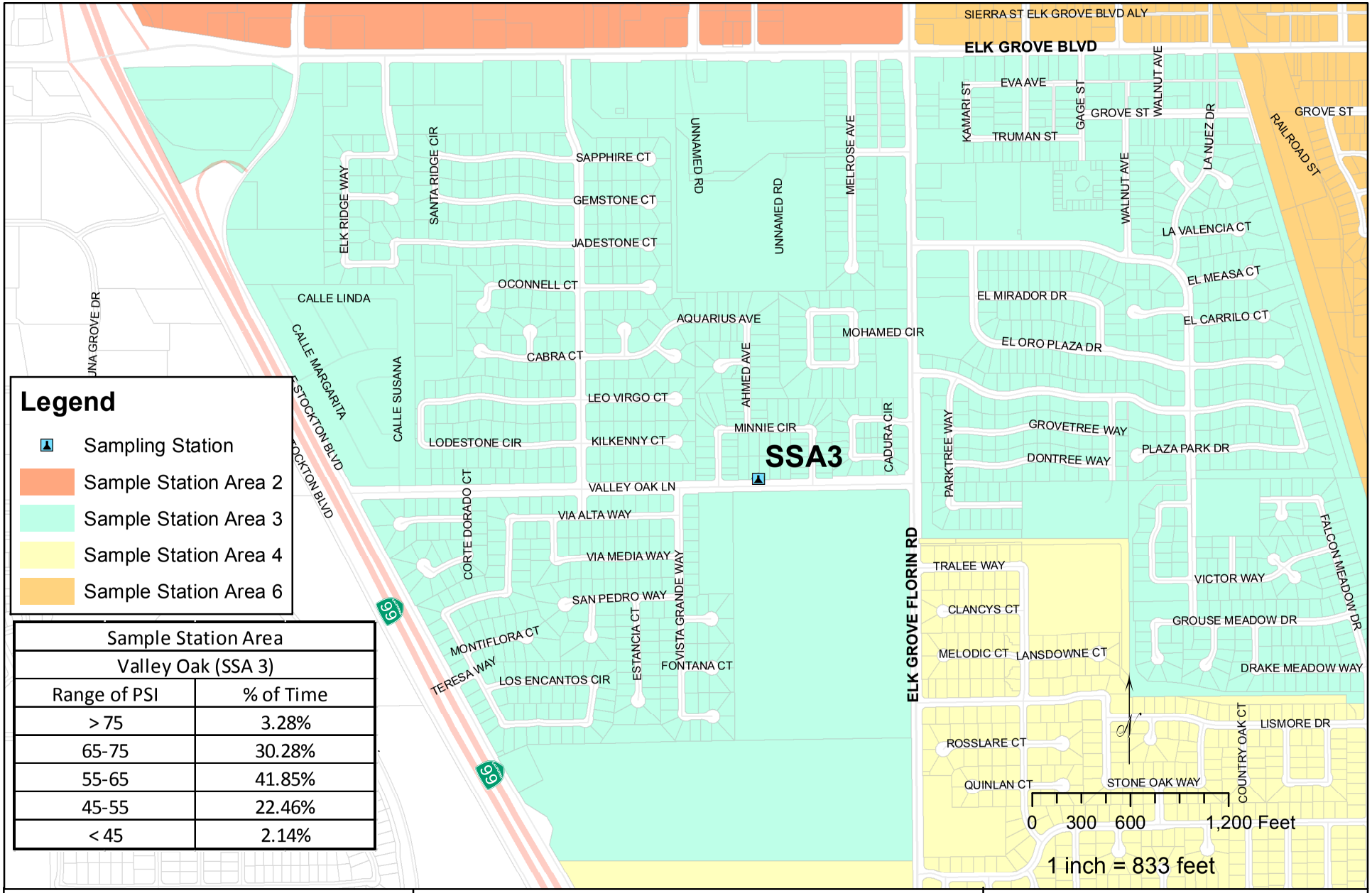
Elk Grove Water District

System Pressure Monitoring

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

Source: EGWD GIS database

Created by: Travis Franklin
December 7, 2015



Legend

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

Sample Station Area	
Valley Oak (SSA 3)	
Range of PSI	% of Time
> 75	3.28%
65-75	30.28%
55-65	41.85%
45-55	22.46%
< 45	2.14%

Sample Station #3

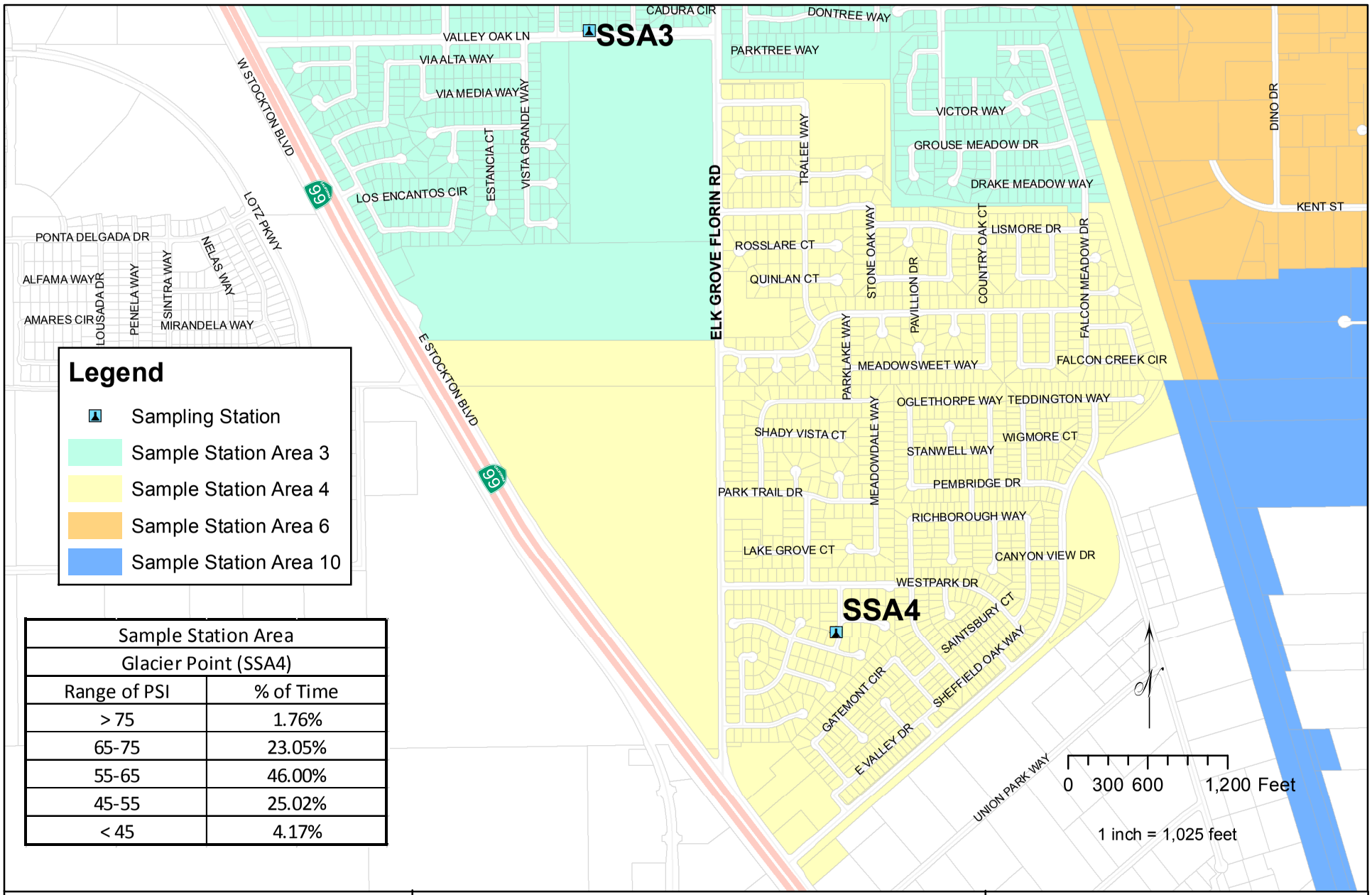
Note: Sample Station takes a reading every 5 minutes.

November 2015

Elk Grove Water District

System Pressure Monitoring

Projected Coordinate System:
NAD 83 State Plane CA II FIPS 0402
Source: EGWD GIS database
Created by: Travis Franklin
December 7, 2015



Sample Station Area	
Glacier Point (SSA4)	
Range of PSI	% of Time
> 75	1.76%
65-75	23.05%
55-65	46.00%
45-55	25.02%
< 45	4.17%

Sample Station #4

Note: Sample Station takes a reading every 5 minutes.

November 2015

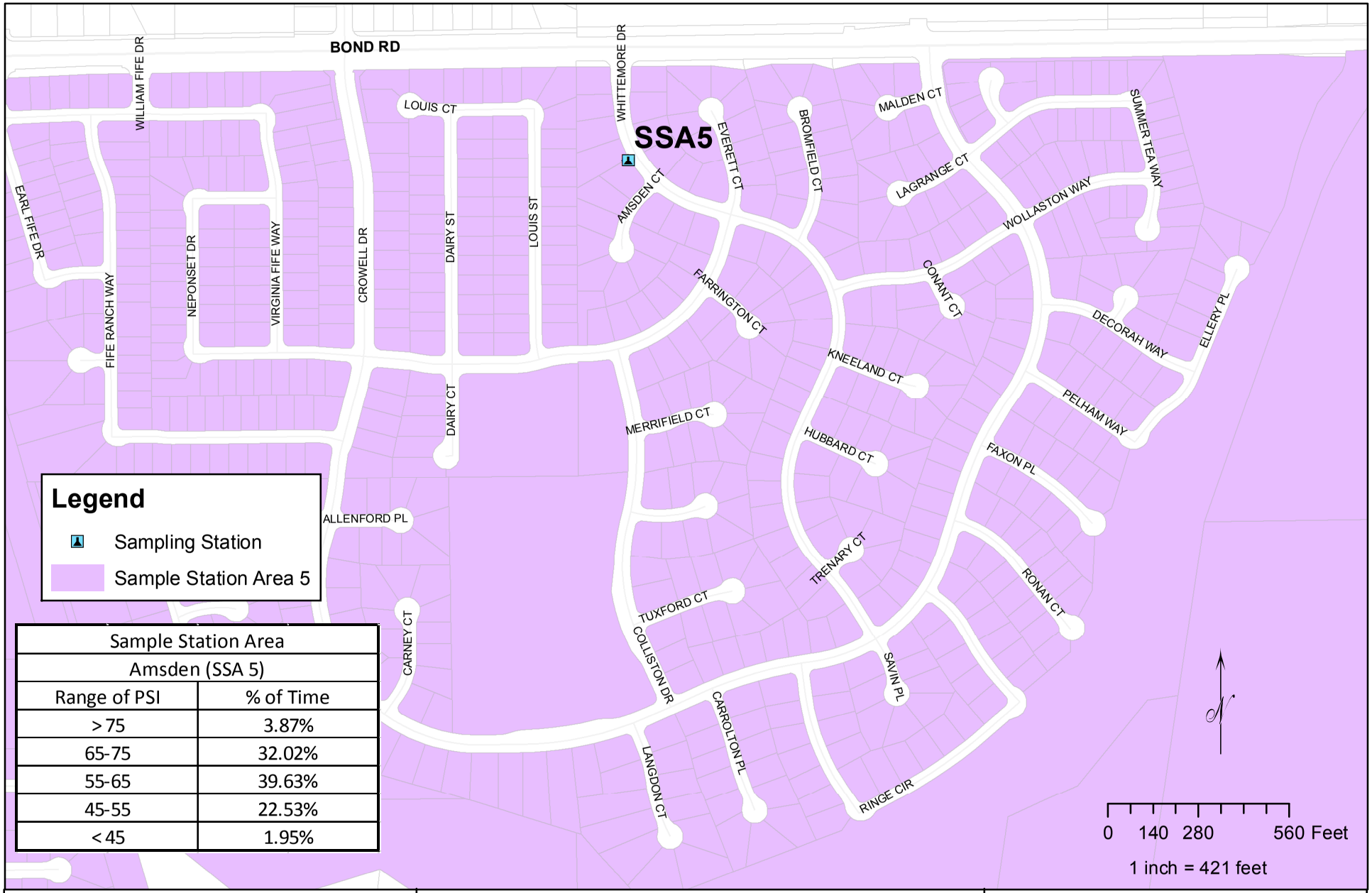
Elk Grove Water District

System Pressure Monitoring

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

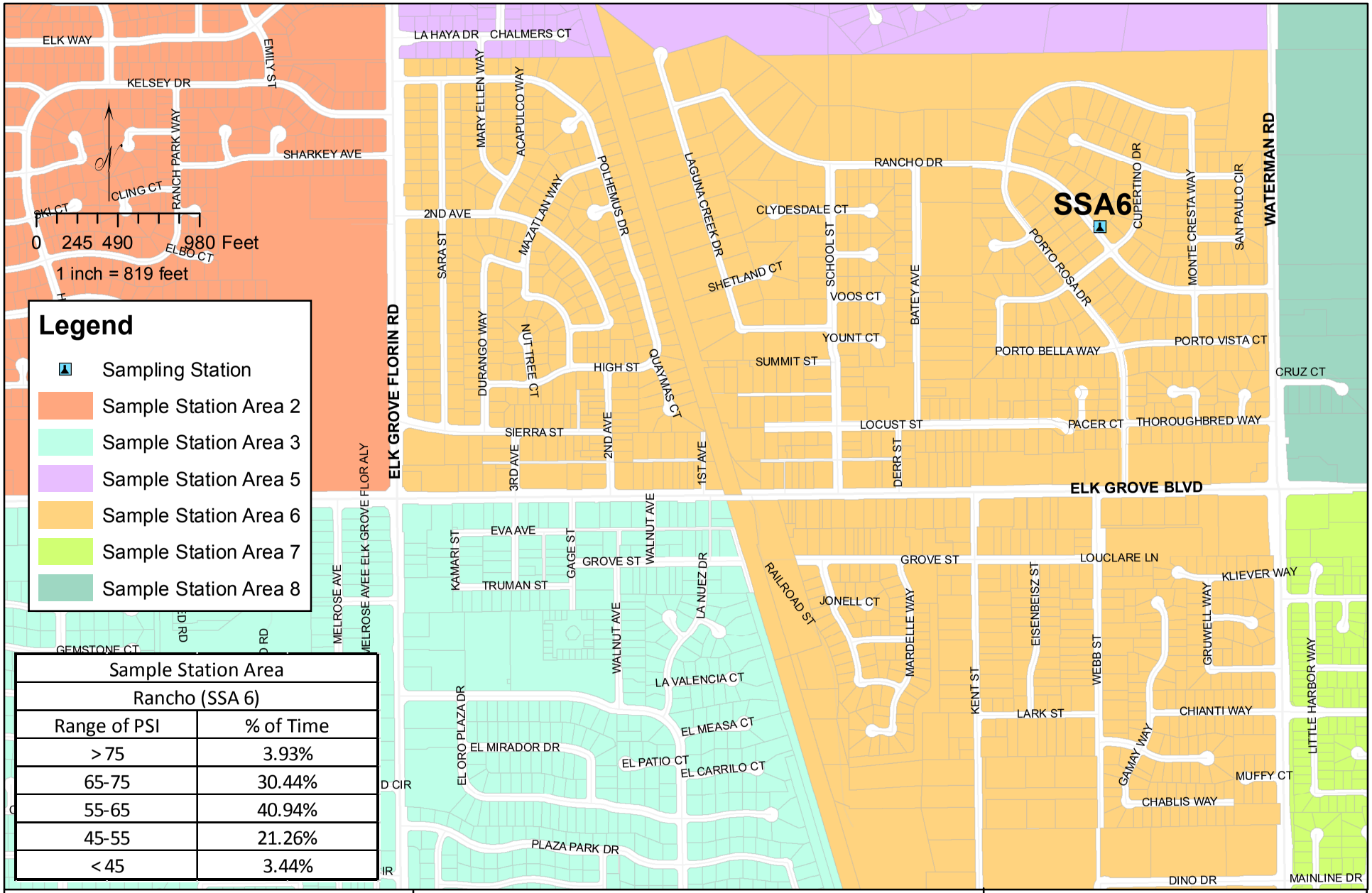
Source: EGWD GIS database

Created by: Travis Franklin
December 7, 2015



Sample Station Area	
Amsden (SSA 5)	
Range of PSI	% of Time
> 75	3.87%
65-75	32.02%
55-65	39.63%
45-55	22.53%
< 45	1.95%

Sample Station #5	Elk Grove Water District	Projected Coordinate System: NAD 83 State Plane CA II FIPS 0402
Notes: Sample Station takes a reading every 5 minutes.	System Pressure Monitoring	Source: EGWD GIS database
November 2015		Created by: Travis Franklin December 7, 2015



Sample Station Area	
Rancho (SSA 6)	
Range of PSI	% of Time
> 75	3.93%
65-75	30.44%
55-65	40.94%
45-55	21.26%
< 45	3.44%

Sample Station #6

Note: Sample Station takes a reading every 5 minutes.

November 2015

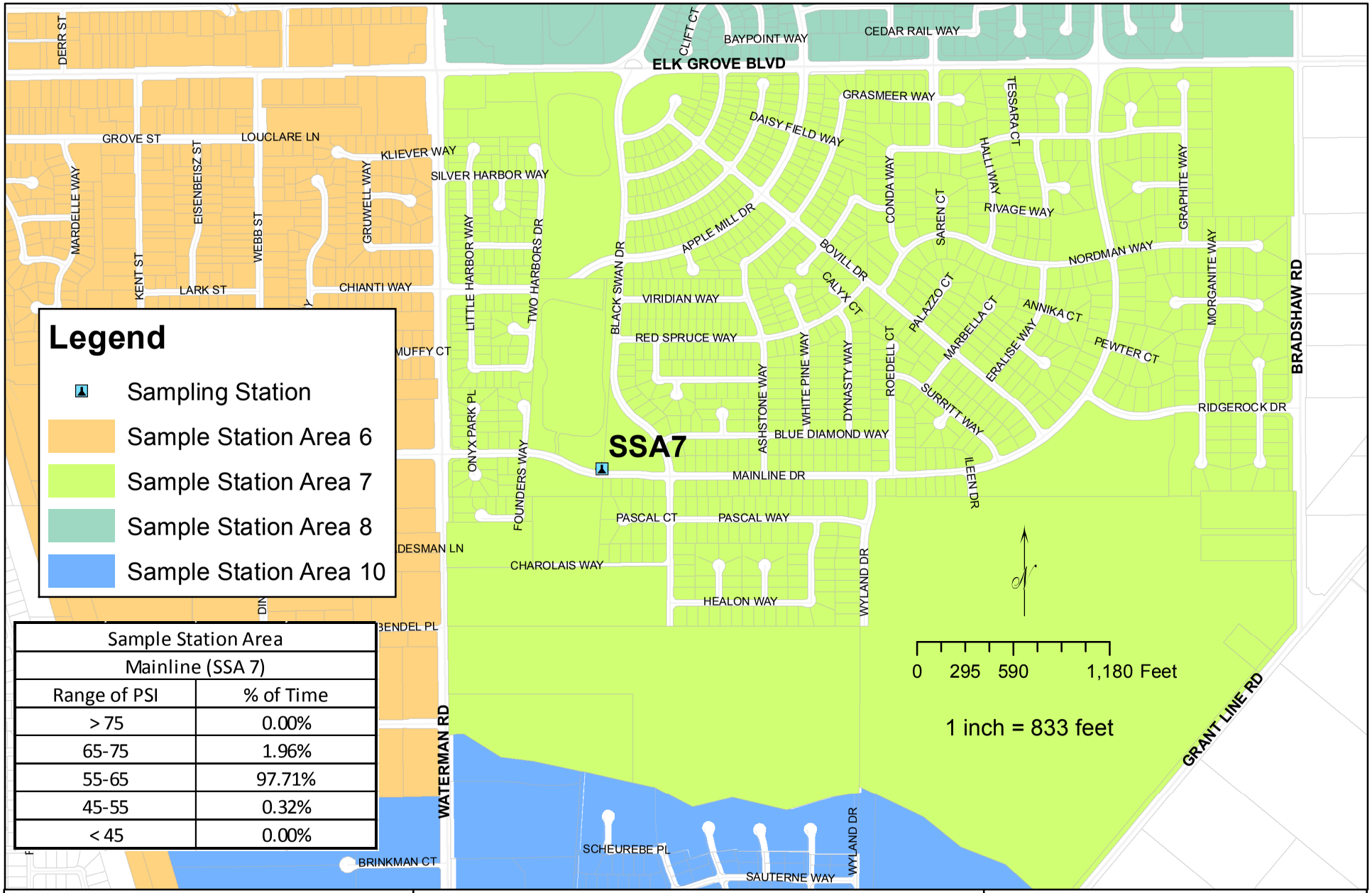
Elk Grove Water District

System Pressure Monitoring

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

Source: EGWD GIS database

Created by: Travis Franklin
December 7, 2015



Sample Station Area	
Mainline (SSA 7)	
Range of PSI	% of Time
> 75	0.00%
65-75	1.96%
55-65	97.71%
45-55	0.32%
< 45	0.00%

Sample Station #7

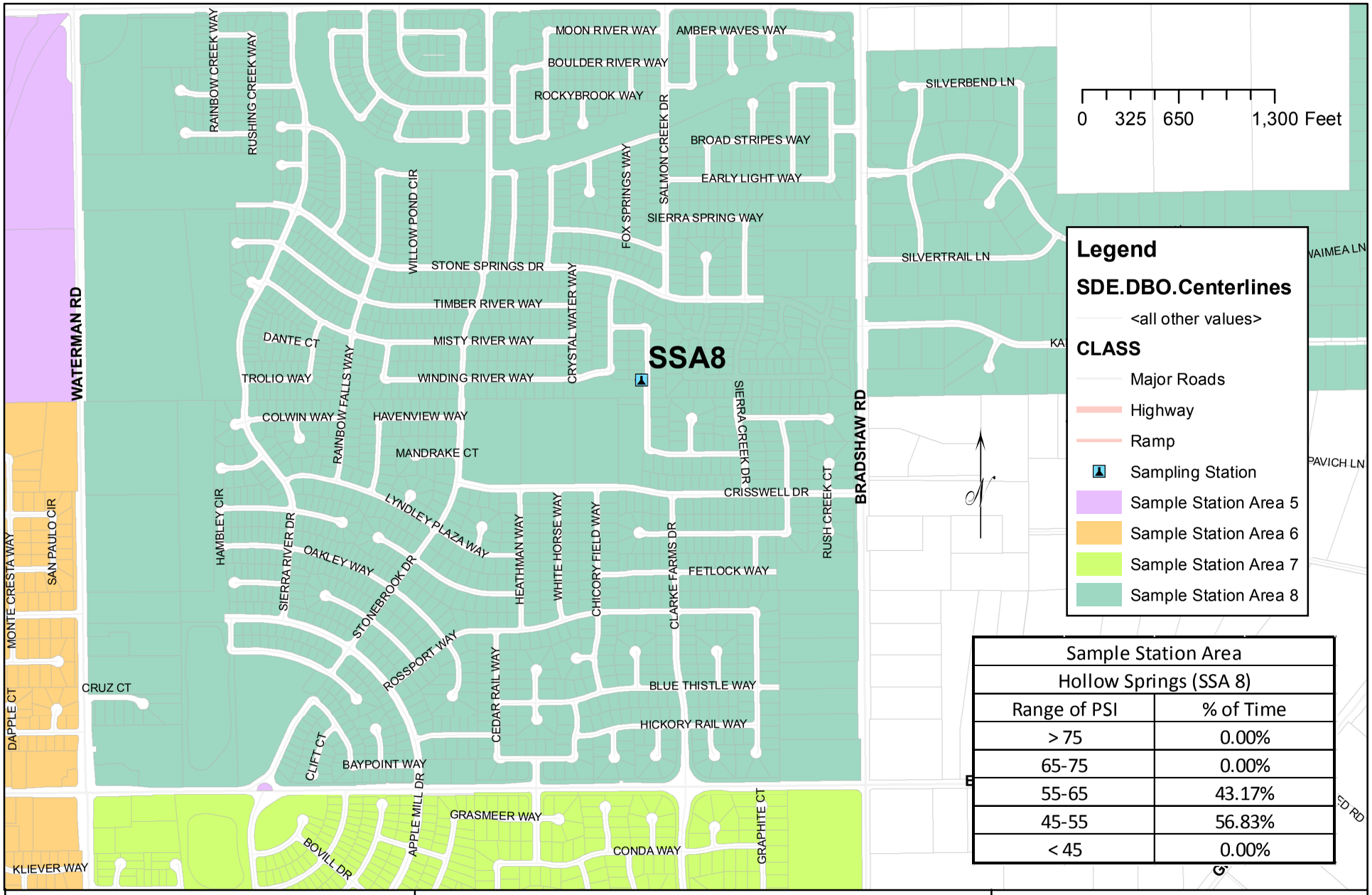
Note: Sample Station takes a reading every 5 minutes.

November 2015

Elk Grove Water District

System Pressure Monitoring

Projected Coordinate System:
NAD 83 State Plane CA II FIPS 0402
Source: EGWD GIS database
Created by: Travis Franklin
December 7, 2015



Sample Station Area	
Hollow Springs (SSA 8)	
Range of PSI	% of Time
> 75	0.00%
65-75	0.00%
55-65	43.17%
45-55	56.83%
< 45	0.00%

Sample Station #8

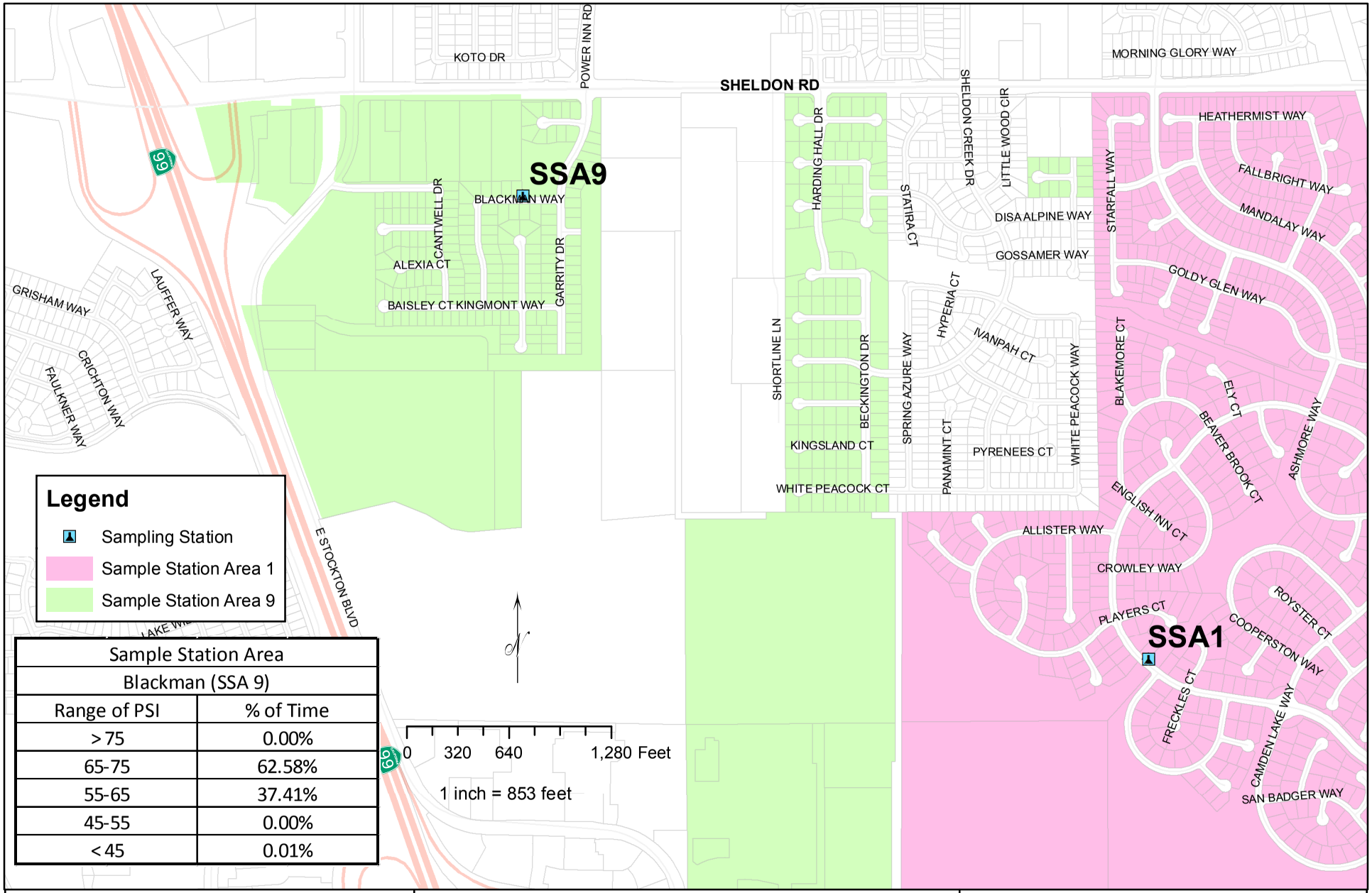
Note: Sample Station takes a reading every 5 minutes.

November 2015

Elk Grove Water District

System Pressure Monitoring

Projected Coordinate System:
NAD 83 State Plane CA II FIPS 0402
Source: EGWD GIS database
Created by: Travis Franklin
December 7, 2015



Sample Station Area	
Blackman (SSA 9)	
Range of PSI	% of Time
> 75	0.00%
65-75	62.58%
55-65	37.41%
45-55	0.00%
< 45	0.01%

Sample Station #9

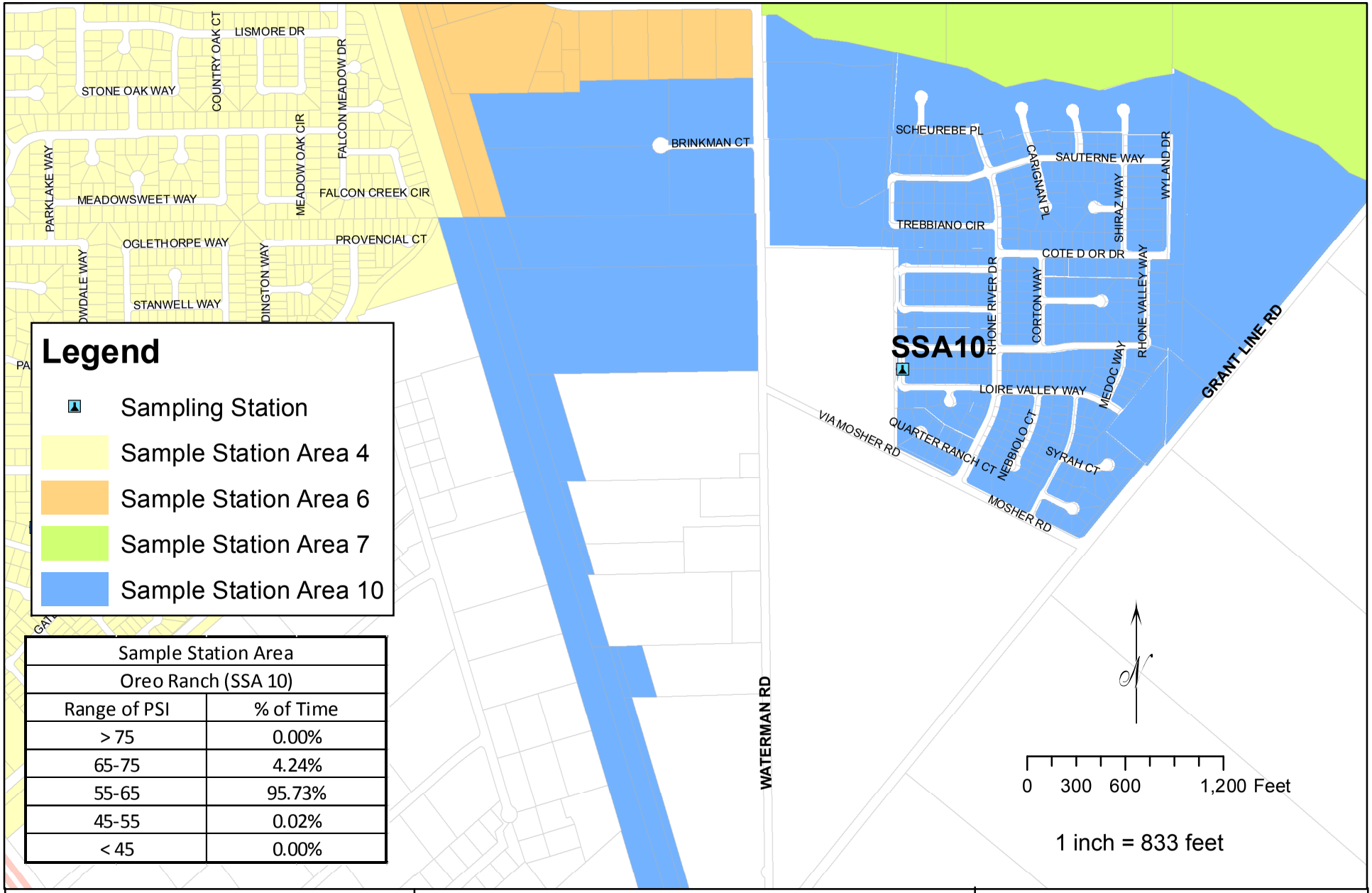
Note: Sample Station takes a reading every 5 minutes.

November 2015

Elk Grove Water District

System Pressure Monitoring

Projected coordinate system:
NAD 83 State Plane CA II FIPS 0402
Source: EGWD GIS database
Created by: Travis Franklin
December 7, 2015



Sample Station Area	
Oreo Ranch (SSA 10)	
Range of PSI	% of Time
> 75	0.00%
65-75	4.24%
55-65	95.73%
45-55	0.02%
< 45	0.00%

09

Sample Station #10

Note: Sample Station takes a reading every 5 minutes.

November 2015

Elk Grove Water District

System Pressure Monitoring

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

Source: EGWD GIS database
Created by: Travis Franklin
December 7, 2015

December 16, 2015

TO: Chairman and Directors of the Florin Resource Conservation District

FROM: Jim Malberg, Finance Manager/Treasurer

SUBJECT: **FISCAL YEAR 2014-15 YEAR END AUDIT STATUS UPDATE REPORT**

RECOMMENDATION

This item is presented for discussion purposes only. No action is requested of the Board at this time.

Summary

Staff is providing a status update report on the Fiscal Year (FY) 2014-15 audit of the District's financial statements. This report is to keep the Board and the public informed on the financial status of the Florin Resource Conservation District (District).

DISCUSSION

Background

On March 2, 2015, the District entered into a Professional Services Agreement (PSA) with Badawi & Associates (Auditor) to provide professional auditing services. The Auditors were on site at the District's office the week of June 1, 2015 to perform interim audit procedures and then again from Aug. 17, 2015 through Aug. 27, 2015 to perform their audit field work.

Present Situation

The schedule mentioned above was developed with the idea that the audit would be completed and financial statements presented to the Board at either the October or December regularly scheduled board meeting. This was the first complete year for the Finance Manager as well as the Auditor in preparing the Comprehensive Annual Financial Report (CAFR) and there were a number of challenges that arose during the course of the audit field that have delayed the completion of the audit. The primary items were the implementation of Governmental Accounting Standards Board (GASB) 68 related to accounting for retirement benefits and the restatement of capital assets.

The implementation of GASB 68 was delayed primarily due to CalPERS not releasing their actuary report until the first week of September as opposed to the first week of July as originally scheduled. In addition, the CalPERS auditor did not finalize their report until October 28th.

During the course of the audit filed work it was determined that the capital asset and depreciation schedules did not provide sufficient detail to support the balances. Using the recently completed Asset Management Plan (AMP), staff developed a detailed asset and depreciation schedule of all District assets. This resulted in the restatements of capital assets of approximately $29.6 million, accumulated depreciation of approximately $9.5 million, and an increase to the investment in capital assets of approximately $18.2 million. Due to the amounts and materiality level of the restatements listed above, staff engaged Robert Merritt, CPA to provide a quality assurance review and the auditor is going through a multi-step quality review process as well.

STRATEGIC PLAN CONFORMITY

The recommendation made in this staff report conforms to the FRCD/EGWD's 2012-2017 Strategic Plan. The Strategic Plan directs EGWD 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.

FINANCIAL SUMMARY

This report is provided to the Board for information only. There is no financial impact associated with this item at this time. Staff will be presenting the FY 2014-15 Comprehensive Annual Financial Report (CAFR) to the Board at a future meeting.

Respectfully submitted,

JIM MALBERG
FINANCE MANAGER/TREASURER

December 16, 2015

TO: Chairman and Directors of the Florin Resource Conservation District

FROM: Ellen Carlson, Management Analyst

SUBJECT: **LEGISLATIVE UPDATE**

RECOMMENDATION

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

Summary

The State's legislators are on recess until January 4, 2016. Per a request by Director Mulberg, the attached list is a summary of bills that were signed into law, bills that were vetoed by Governor Brown and two-year bills.

DISCUSSION

Background

The Board requests monthly updates of legislation items related to the District.

Present Situation

The 2016-2017 Legislative Session will reconvene on January 4, 2016. Some of the bills tracked in the last session will be present in the next year. In response to questions from the Board about what constitutes a two-year bill, staff has provided the following information from "Navigating the Legislative Process, Deadlines, Procedures and Common Terms", published by the League of California Cities. Italics are

> "...if a bill does not pass a *fiscal committee* by a specific date, it has stalled. If this occurs in the first year of the session, it becomes a *two-year bill*. In the first year, almost any bill becomes a two-year bill if it does not pass a specific deadline. However, a two-year bill that misses the *house of origin* deadline is dead for the two-year session, as called for in the California Constitution."

As requested by Director Mulberg, attached is a summary of tracked bills that were signed into law, bills vetoed by Governor Brown and bills that will continue as two-year bills.

STRATEGIC PLAN CONFORMITY

Tracking active legislation complies with the District's Regulatory Compliance goals of the 2012-2017 Strategic Plan.

FINANCIAL SUMMARY

There is no direct financial impact associated with the legislative items at this time.

Respectfully submitted,

ELLEN R. CARLSON
MANAGEMENT ANALYST

Attachments

Current Legislation

Federal Bills

Bill	HR 1814
Author (s)	Grijalva
Title	Permanently Reauthorize the Land and Water Conservation Fund
Introduced	4/15/2015
Summary	Amends the 1965 Land and Water Conservation Act permanently authorizing the Land and Water Conservation Fund, which expired at the end of September.
Status	4/30/2015 referred to House subcommittee on Water, Power and Oceans
Support	National Wildlife Refuge Association, Hispanic Federation, Sierra Club, National Military Family Association, Outdoor Industry Association and the Conservation Alliance
Opponents	

Bill	HR 2898
Author (s)	Valadao
Title	Western Water and American Food Security Act of 2015
Introduced	6/25/2015
Summary	Promotes water delivery to Central Valley farmers and supports financing of new dams, redirects water currently allocated for fish
Status	10/8/2015 hearing held in Energy and Natural Resources committee
Support	MoveOn.org, California Water Alliance, California Farm Bureau Federation
Opponents	US Department of the Interior, Congress members: Jerry McNerney, Mike Thompson, Doris Matsui and others, Sierra Club California, Friends of the River, Restore the Delta

Bill	HR 2983
Author (s)	Huffman
Title	Drought Relief and Resilience Act
Introduced	7/8/2015
Summary	Funds water recycling, storm water capture and cleanup of polluted groundwater, provides a tax credit to homeowners who install water saving devices
Status	8/18/2015 referred to House subcommittee on the Environment
Support	Clean Water Action, National Audubon Society, Natural Resources Defense Council
Opponents	

Bill	HR 2993
Author (s)	Matsui
Title	Water Recycling Acceleration Act of 2015
Introduced	7/9/2015
Summary	Authorizes funding for water recycling projects in areas experiencing extreme drought
Status	7/24/2015 Referred to House subcommittee on Water, Power and Oceans
Support	
Opponents	

Bill	HR 2997
Author (s)	Ross
Title	Private Investment in Housing Act of 2015
Introduced	7/9/2015
Summary	Directs Housing and Urban Development to establish a program for 12 years that establishes agreements for water and energy conservation projects in elderly, disabled multifamily housing units
Status	7/15/2015 Referred to Senate committee on Banking, Housing and Urban Affairs
Support	
Opponents	

Bill	HR 3045
Author (s)	McNerney
Title	California Water Recycling and Drought Relief Act
Introduced	7/13/2015
Summary	Authorizes 27 water recycling projects in California, mostly in the Bay Area or Fresno
Status	8/31/2015 Referred to House subcommittee on Water, Power and Oceans
Support	
Opponents	

Bill	S 1894
Author (s)	Feinstein and Boxer
Title	California Emergency Drought Relief Act of 2015
Introduced	7/29/2015
Summary	Allocates funding for fish protection and restoration projects, directs the Secretary of the Interior and the Secretary of Commerce to provide the maximum quantity of water available to Central Valley agriculture, provides assistance to drought-stricken communities, authorizes desalination projects, storage projects and water recycling and recharge projects. Also supports water project loans, WaterSMART funding and Bureau of Reclamation funding
Status	10/8/2015 hearing held in Energy and Natural Resources Committee
Support	
Opponents	

Bill	S.J. Res 22 (Senate Joint Resolution)
Author (s)	Ernst
Title	Congressional disapproval of the rule submitted by the Corps of Engineers and the Environmental Protection Agency relating to the definition of the "waters of the United States" under the Federal Water Pollution Control Act
Introduced	9/17/2015
Summary	Would overturn the current administration's regulation asserting its authority over streams and wetlands
Status	11/16/2015 Received in the House; held at desk
Support	
Opponents	

Signed into law

AB 243: Medical marijuana

Requires certain state agencies, including the State Water Resources Control Board to develop regulations and standards regarding the cultivation of medical marijuana. This law's purpose is to protect water quality and supply from pesticide influx and unauthorized irrigation diversions.

AB 401: Low-income rate assistance

Directs the SWRCB and Board of Equalization to develop a plan for establishing and funding a low-income water rate assistance program. The Governor acknowledged in signing the bill that Prop. 218 is an impediment to making this plan possible.

AB 434: Drinking water point of entry and point of use treatment

The SWRCB shall adopt regulations governing the use of point-of-entry and point-of-use treatment by public water systems in lieu of centralized treatment, particularly for small water systems. Does not directly impact EGWD, since we use treatment facilities.

AB 606: Water conservation for public properties

Requires state agencies that owns or buys properties or replaces landscaping or irrigation to reduce water consumption and increase water efficiencies

AB 617: Sustainable Groundwater Management Act

Amends several details of the Sustainable Groundwater Management Act, including defining "in-lieu use" and authorizing groundwater sustainability agencies to enter into written agreements and funding with private parties that are addressing groundwater sustainability plans.

AB 939: Financial authority of groundwater sustainability agencies

Imposes the requirement of the establishment of a groundwater sustainability agency or submit an alternative after reprioritization on a local agency or combination of local agencies overlying a groundwater basin. Requires groundwater sustainability agencies to make fee information available 20 days before a public meeting is held to discuss implementing or increasing the fee

AB 1164: Drought tolerant landscaping

Prohibits cities and counties from enacting regulations against the installation of synthetic turf

AB 1251: Greenway Development and Sustainment Act

Defines greenways and applies greenway easements for certain creation and transfer provisions similar to those of conservation easements.

AB 1390: Groundwater adjudication

Establishes and expedites procedures to streamline the groundwater adjudication process

AB 1531: State Water Resources Control Board

Authorizes the SWRCB to adopt emergency regulations without the review of the Office of Administrative Law

SB 13: Groundwater sustainability

Provides local agencies or groundwater sustainability agencies up to 180 days to remedy deficiencies that designate basins as probationary; also clarifies what qualifies and who is authorized to form and participate in a Groundwater Sustainability Agency

SB 208: Integrated Regional Water Management Plans: advanced payment for grants

Regional water management groups can receive advanced payment of 50% of a grant award provided they provide proof of project supporting low income, disadvantaged communities within 90 days of the grant award

SB 226: Groundwater Adjudication

Authorizes the State to intervene in groundwater basin rights adjudication and directs courts involved in that adjudication to limit proceedings that would interfere with the completion of a groundwater sustainability plan.

SB 246: Climate Change Adaptation

Establishes the Integrated Climate Adaptation and Resiliency Program to coordinate local and regional efforts with State climate adaptation strategies to adapt to the impacts of climate change.

SB 385: Primary drinking water standards: Hexavalent Chromium: compliance plan

Authorizes the SWRCB, through January 1, 2020, to grant public water systems a period of time to achieve compliance with the primary drinking water standard for hexavalent chromium. These public water systems must submit a compliance plan in order to receive approval.

SB 555: Water loss audits

Requires each urban retail water supplier, on or before October 1, 2017 and on or before October 1 of each year thereafter, to submit a completed and validated water loss audit report for the previous calendar or previous fiscal year, according to rules to be established by DWR on or before January 1, 2017. The SWRCB is required to adopt rules for performance standards for the volume of water losses.

SB 664: Urban water management planning

Beginning with the 2020 urban water management plan, a seismic risk assessment and mitigation plan to assess the vulnerability of each of the various facilities of a water system and mitigate those vulnerabilities will be required. Compliance with this requirement can be by submitting a copy of the most recent adopted local hazard mitigation plan or multihazard mitigation plan that addresses seismic risk.

Vetoed by Governor Brown

AB 88: Sales and Use Tax Exemptions

Vetoed by Governor Brown with a statement that he can't support additional tax credits during budget uncertainties.

Two Year Bills

AB 21: California Global Warming Solutions Act of 2006: scoping plan

Requires the State Air Resources Board to adopt a statewide greenhouse gas emissions limit, to be achieved by 2020. It shall be the equivalent to the statewide greenhouse gas emissions levels in 1990. It also requires the Board to prepare and approve a scoping plan for achieving reductions in greenhouse gas emissions.

AB 259: Personal information: privacy

Agencies responsible for a breach in its information security must provide impacted persons with a minimum of 12 months of identity theft prevention and mitigation protection.

AB 453: Groundwater management

Would authorize, until a groundwater sustainability plan is adopted, a local agency that has adopted a groundwater management plan to impose fees on the extraction of groundwater from the basin to fund costs of groundwater management and to collect groundwater extraction information, as long as a groundwater management plan adopted before January 1, 2015 is in effect.

AB 647: Beneficial use: storing of water underground

Changes the declaration of beneficial purpose of underground water storage to include the water storage is consistent with a sustainable groundwater management plan, statutory authority to conduct groundwater recharge, or a judicial decree and is for specified purposes. Would require application for and permit by the SWRCB.

AB 723: Rental property: plumbing fixtures replacement

Requires that rental leases or agreements be accompanied by a written disclosure stating the property owner's responsibility to replace all noncompliant plumbing fixtures with water conserving devices by January 1, 2017 or January 1, 2019.

AB 761: Carbon sequestration: working lands

Requires the Department of Food and Agriculture to create a grant program that funds projects that increase carbon sequestration and greenhouse gas emissions reductions.

AB 935: Water projects

Upon appropriation of funds ($75,000,000) from the Legislature, requires that DWR fund the Friant-Kern Canal restoration project and the Delta-Mendota Canal project

AB 937: Groundwater planning: technical assistance to disadvantaged communities

Requires DWR to provide technical assistance to disadvantaged communities so that they may participate in groundwater planning

AB 938: Groundwater basin reprioritization

Imposes the requirement to establish a groundwater sustainability agency or submit an alternative after reprioritization on a local agency or combination of local agencies overlying a groundwater basin.

AB 954: Water and wastewater loan and grant program

Creates the Water and Wastewater Loan and Grant Fund ($10,000,000) to be administrated by the SWRCB for the purpose of supplying low interest loans and grants to eligible applicants for drinking water and wastewater treatment purposes.

AB 1173: Backflow prevention devices testing: certification

If a local health officer does not maintain a program for certification of backflow prevention device testers, the testing be performed by a person who has received a California-specific certification for testing backflow prevention devices from one of specified entities or a similar certification provider deemed acceptable by the state board or the local health officer.

AB 1242: Water quality and storage

Requires DWR to increase the statewide water storage capacity by 25% by January 1, 2015 and 50% by January 1, 2050. Requires DWR, by January 1, 2017, to identify the current statewide water storage capacity and prepare a strategy and implementation plan to achieve those expansions.

AB 1463: Onsite treated water

Requires SWRCB, in consultation with the Department of Public Health, the California Buildling Standards Commission and stakeholders to establish water quality standards and distribution, monitoring and reporting requirements for onsite water recycling systems prior to authorizing the use of onsite treated water in internal plumbing of residential and commercial buildings.

SB 7: Water meters: multiunit structures

Establishes safeguards and practices for submetering of residential rental units in multifamily housing; authorizes the Department of Housing and Community Development to develop and propose for adoption building standards regarding the installation of meters and submeters.

SB 32: Global Warming Solutions Act of 2006

Requires the State Air Resources Board to adopt a statewide greenhouse gas emissions limit equivalent to the statewide greenhouse gas emissions level in 1990 to be achieved by 2020.

SB 471: Water, energy and reduction of greenhouse gas emissions

Includes reduction of greenhouse gas emissions associated with water treatment among the investments that are eligible for funding from the Greenhouse Gas Reduction Fund.