CITY OF IONE
IONE, CA 95640

REGULAR MEETING STARTS AT 6:00 PM

Mayor Stacy Rhoades
Vice Mayor Jack Mitchell
Councilmember Dominic Atlan
Councilmember Alison LaFayne
Councilmember Diane Wratten

AT 1 E. MAIN STREET, IONE, CA 95640
AND VIA ZOOM
The City of Ione is inviting you to a scheduled Zoom meeting.
Join Zoom Meeting
https://zoom.us/j/2351961316?pwd=d3lWTW0zbVJLblpQNXBDQWtpZkRyUT09
Meeting ID: 235 196 1316
Passcode: 95640
Find your local number: https://zoom.us/u/aex3ZLbqgp

Tuesday, August 1st, 2023

THE CITY OF IONE IS A GENERAL LAW CITY DEDICATED TO PROVIDING LEADERSHIP, ACCOUNTABILITY, AND FISCAL INTEGRITY WHILE PROMOTING ECONOMIC OPPORTUNITIES AND MAINTAINING A HIGH QUALITY OF LIFE FOR OUR CITIZENS.

PLEASE LIMIT PUBLIC COMMENT/TESTIMONY TO FOUR MINUTES
Gov't. Code §54954.3

The Ione City Council welcomes, appreciates, and encourages participation in the City Council Meeting. The City Council reserves the right to reasonably limit the total time for public comment on any particular noticed agenda item as it may deem necessary.

Full staff reports and associated documents are available for public review at the Office of the City Clerk, City Hall, 1 E. Main Street, Ione, CA. Hard copies may be obtained for $3.60 for pages 1-5 and $.45 for each additional page. Documents that are not available when the agenda is posted will be made available for public review at the meeting.

A. ROLL CALL

If all matters are not completed prior to the regular meeting start time, the City Council will convene to Closed Session after the Regular Meeting ends.

6:00 P.M. REGULAR MEETING AGENDA

A. PLEDGE OF ALLEGIANCE

B. CLOSED SESSION:
CONFERENCE WITH LEGAL COUNSEL—EXISTING LITIGATION Government Code section 54956.9(d)(1) McGraw vs. City of Ione: (22CV12691).

C. REPORT OUT OF CLOSED SESSION

D. APPROVAL OF AGENDA

E. PRESENTATIONS/ANNOUNCEMENTS:
Presentations: Assessor Jim Rooney

F. PUBLIC COMMENT: EACH SPEAKER IS LIMITED TO 4 MINUTES

NOTE: This is the time for members of the public who wish to be heard on matters that do not appear on the Agenda. Persons may address the City Council at this time on any subject within the jurisdiction of the Ione City Council.

Please be mindful of the 4 minute time limit per person. Pursuant to the Brown Act, the City Council may not take action or engage in a detailed discussion on an item that does not appear on the Agenda. However, matters that require Council action will be referred to staff for a report and/or recommendation for possible action at a future Council meeting. Is there anyone in the audience who wishes to address the Council at this time?

G. INFORMATION ITEMS:

All matters listed under this category are for information only with no action to be taken by the City Council.

1. Contract with Interim City Manager*.

2. Second Quarter 2023 Groundwater Monitoring Reports from Dellavalle Labs*.

H. CONSENT CALENDAR:
All matters listed under this category are considered to be routine and will be enacted by one motion. Any item may be removed for discussion and possible action and made a part of the regular agenda at the request of a Councilmember(s).

1. Warrants*
   Recommendation: Staff recommends that the council review/approve the attached report for payment totaling $443,552.52.

2. Minutes of June 28th, 2023 (Special) and July 18th, 2023
   Recommendation: By motion, approve the minutes from June 28th, 2023 and July 18th, 2023 City Council Meetings.

3. Letter Opposing SB 423*
   Recommendation: Authorize Interim City Manager to send letter opposing SB 423.

4. Letter Opposing AB 309*
   Recommendation: Authorize Interim City Manager to send letter opposing AB 309.

5. Sewer Delinquencies*
   Recommendation: Adopt Resolution No. 2023-, A Resolution of the City Council of the City of Ione authorizing placement of delinquent unpaid sewer service charges on the Amador County Tax Roll for Fiscal Year 2023-24.*

6. Levy of Special District Tax*
   Recommendation:
   a) *Approve Resolution No. 2023-* of the City Council of the City of Ione, acting in its capacity as the legislative body of the Community Facilities District No. 2005-2 of the City of Ione (Edgebrook and Castle Oaks Phase II) authorizing the levy of special taxes for fiscal year 2023-2024.*
   b) *Approve Resolution No. 2023-* of the City Council of the City of Ione, acting in its capacity as the legislative body of the Community Facilities District No. 2006-1 of the City of Ione (Wildflower-Public Safety Services) authorizing the levy of special taxes for fiscal year 2023-2024.*
   c) *Approve Resolution No. 2023-* of the City Council of the City of Ione, acting in its capacity as the legislative body of the Community Facilities District No. 2009-3 of the City of Ione (Castle Oaks Phase II) authorizing the levy of special taxes for fiscal year 2023-2024.*

7. Levy Direct Assessment for Castle Oaks Subdivision Landscaping and Lighting District No. 1
   Recommendation: Adopt Resolution 2023- Authorizing the Annual Levy and Collection of Direct Assessments for the Castle Oaks Subdivision Landscaping and Lighting District No. 1 on the Amador County Tax Roll for Fiscal Year 2023-24*

CITY OF IONE
IONE, CA 95640

I. PUBLIC HEARING:

None.

J. REGULAR AGENDA:

1. WIRIS Project
   Recommendation: For background information and staff direction.

2. Wildflower Update*
   Recommendation: For information only.

3. Castle Oaks Landscaping Plan*
   Recommendation: Adopt Resolution 2023- Selecting an estimate of probable cost option for landscaping and irrigation at castle oaks village 9 right of way areas and directing staff to negotiate the contract with EcoUrban to implement the landscape improvements.*

4. 2023-2024 Operating Budget*
   Recommendation:
   a) Adopt Resolution 2023- Adopting the Final Fiscal Year 2023-24 Operating Budget.*
   b) Adopt Resolution 2023- Adopting the Annual Appropriations Limit for Fiscal Year 2023-24.*

K. REPORTS AND COMMUNICATIONS FROM CITY MANAGER

L. COUNCIL COMMENTS/COMMITTEE REPORTS/FUTURE AGENDA ITEMS

M. RESUME TO CLOSED SESSION IF NECESSARY

N. REPORT OUT OF CLOSED SESSION

O. ADJOURNMENT TO REGULAR MEETING ON SEPTEMBER 5, 2023

Upcoming Meetings:

August 3rd:	**ACTC Meeting**	**9:00 A.M.**
August 8th:	**Planning Commission Meeting**	**6:00 P.M.**
August 15th:	**City Council meeting**	**CANCELED**



CITY OF IONE
IONE, CA 95640

August 17th:	**ARSA Meeting**	**2:00 P.M.**
August 22nd:	**Parks and Recreation Commission Meeting**	**6:00 P.M.**
September 5th:	**City Council Meeting**	**6:00 P.M.**
September 8th:	**CDCR Town Meeting**	**1:00 P.M.**

NOTICE REGARDING CHALLENGES TO DECISIONS

Pursuant to all applicable laws and regulations, including without limitation, California Government Code Section 65009 and or California Public Resources Code Section 21177, if you wish to challenge in court any of the above decisions (regarding planning, zoning and/or environmental decisions), you may be limited to raising only those issues you or someone else raised at the public hearing(s) described in this notice/agenda, or in written correspondence delivered to the City at, or prior to, this public hearing.

ADA COMPLIANCE STATEMENT

In compliance with the American with Disabilities Act, if you need special assistance to participate in this meeting, please contact City Clerk Janice Traverso at (209) 274-2412, ext. 102. Notification 24 hours prior to the meeting will enable the City to make reasonable arrangements to ensure accessibility to this meeting.

EMPLOYMENT AGREEMENT BETWEEN THE CITY OF IONE AND AMY GEDNEY FOR INTERIM CITY MANAGER (March 23, 2023-March 24, 2023)

THE AGREEMENT is effective on the date of approval by the City Council of the City of Ione, June 6, 2023, is retroactive back to March 23, 2023, and is entered into by the CITY OF IONE (City), a municipal corporation, and Amy Gedney, (Gedney) (Collectively "Parties"). The parties agree as follows:

RECITALS

WHEREAS, it is the desire of the City Council to provide certain benefits, establish certain conditions of employment and to set working conditions for Gedney upon appointment as Interim City Manager; and

WHEREAS, it is the desire of the City to (1) appoint Gedney to the position of Interim City Manager and to provide inducement for her to remain in such employment, and (2) to make possible full work productivity by assuring Gedney's morale and peace of mind with respect to future security, and (3) to provide a just means of terminating Interim City Manager's services should she be unable to fully discharge her duties or when the City may otherwise desire to terminate her employment; and

WHEREAS, Gedney desires to accept employment as Interim City Manager of the City of Ione.

NOW, THEREFORE, in consideration of the mutual covenants herein contained, the parties agree that all recitals stated above are true and correct and further agree as follows:

Section 1. Employment.
City hereby agrees to retain Gedney as Interim City Manager (hereinafter "Interim City Manager") of the City of Ione to perform the functions and duties as described in Chapter 2.10 of the City's Municipal Code and said Chapter is incorporated herein as if fully stated, with the exception of section 2.10.065, which is waived for purposes of this Agreement.

Section 2. Term and Termination.

A. The term of this Agreement shall be one year (March 23, 2023 – March 23, 2024). Notwithstanding this Section, Interim City Manager is an at-will employee as described in California Labor Code section 2922 and may be terminated at any time during the term of this Agreement for any reason or for no reason subject only to a 10-day written notice.

B. In the event City terminates this Agreement prior to expiration of the term, City shall pay to Gedney the sum due for services provided to the date of termination and Gedney shall not be entitled to any severance payment or other additional compensation. The Parties acknowledge and incorporate the provisions of Government Code section 53260, which are in relevant part:

(a) All contracts of employment between an employee and a local agency employer shall include a provision that provides that regardless of the term of the contract, if the contract is terminated, the maximum cash settlement that an employee may receive shall be an amount equal to the monthly salary of the employee multiplied by the number of months left on the unexpired term of the contract [except that:]

(1) If the unexpired term of the contract is greater than 18 months, the maximum cash settlement shall be an amount equal to the monthly salary of the employee multiplied by 18.

...

(c) The cash settlement formulas described in subdivision (a) are maximum amounts that may be paid by a local agency employer to an employee and not a target or example of the amount of the cash settlement to be paid by a local agency employer to an employee in all contract termination cases.

C. In the event that Gedney dies, the employment relationship shall terminate and City shall pay all compensation earned through the date of death to Gedney's spouse, personal representative, or estate. In the event that Gedney is mentally or physically incapacitated or disabled for a period of four (4) successive weeks or more, City shall have the right to terminate the employment relationship by giving written notice to Gedney and the termination shall be effective ten (10) days following such notice. The Parties agree that the incapacitation or disability of Gedney beyond four (4) successive weeks would create an undue hardship for City given the City's size, resources, and operations, and Gedney's position, duties, and responsibilities.

D. This Agreement shall automatically terminate upon the appointment of a permanent City Manager.

E. Notwithstanding the above, Gedney may resign from the position as Interim City Manager at any time with a 30-day written notice to the City.

Section 3. Employment Status.

A. Interim City Manager is an at-will employee and serves at the pleasure of the City Council. Nothing herein shall be taken to prevent, limit, or otherwise interfere with the right of the City Council to terminate the services of Interim Manager with or without cause. There is no express or implied promise made to Interim City Manager for any form of continued employment.

B. Both parties agree that the Interim City Manager will be deemed as a full-time regular Exempt employee.

Section 4. Compensation.

City shall pay Gedney a fixed salary beginning March 23, 2023 at the rate of $160,000 annually for services rendered as Interim City Manager. Payment shall be made biweekly or on the same payroll schedule as all other employees, subject to all withholdings for the payment of wages as may be required by law.

Section 5. Benefits.

A. Retirement. City agrees to provide all benefits provided for regular full time employees including participation in the CalPERS retirement system. Additionally, City agrees to pay $15,000 annually in deferred compensation to a 457 Plan, payable incrementally with each payroll period.

B. Health Insurance. The City currently pays for each employee's participation in a healthcare plan at the rate of $1,250/month. Gedney, however, hereby waives the health insurance benefit.

C. Cellular Phone and Computer. City shall furnish Gedney with a cellular phone and laptop computer for her use during the duration of this Agreement, including any extension.

D. Professional Growth. The City encourages the continuing professional growth of the Interim City Manager through their participation in such activities as (1) conferences, programs, and other activities conducted by or sponsored by local, or state, associations (such as ICMA or CalCities), (2) seminars and courses offered by public or private educational institutions relating to California City Management and Governance, (3) informational meetings with other persons whose particular skills or backgrounds serve to improve the capacity of the Interim City Manager to perform their professional responsibilities for the City, and (4) subscription to and reading of appropriate CalCities or similar bulletins and periodicals. The City agrees to budget and pay the Interim City Administrator's reasonable and necessary membership, travel, subsistence, and other expenses associated with participation and membership in such organizations and activities, consistent with the City's practices with the prior City Manager. These activities shall be subject to the approval of and coordination with the City Council. Reimbursement for any such activities not paid in advance by the City shall be made in accordance with the applicable City policies and regulations.

Section 6. Leave.

A. Vacation and Sick. City agrees Gedney can accrue vacation and sick leave at the same rate as regular City employees based on years of service.

B. Administrative Leave. Gedney shall be entitled to eighty (80) hours of administrative leave per year. Administrative leave is not, however, a vested or earned form of compensation. Any administrative leave unused at the end of the year shall be forfeited, and it shall not be compensated for upon termination.

Section 7. Performance Evaluation.

City Council shall review and evaluate the performance of Interim City Manager at three (3) months following the effective date and as needed. Said review and evaluation shall be in accordance with specific criteria developed jointly between Interim City Manager and City Council. Said criteria may be added to or deleted from as the City Council may from time to time determine after consultation with Interim City Manager. The City Council shall provide Interim City Manager with a summary of written statement of the findings of the City.

Section 8. Indemnification and Bonding.

City shall defend, save harmless and indemnify Interim City Manager against any tort, professional liability claims and demands or other legal action, with the exclusion of any criminal charges or an action brought by either the California Attorney General or the City of Ione or both, pursuant to Government Code section 12650 (False Claims Act), whether groundless or otherwise, arising out of an alleged act or omission occurring in the performance of Manager's duties as City Manager. City shall provide Interim Manager with errors and omissions insurance.

Section 9. Other Terms and Conditions of Employment.

A. Conditions of Employment. All provisions of the City of Ione employee handbook relating to working conditions as they now exist or thereafter may be amended, except as otherwise set forth herein, shall also apply to Interim City Manager.

B. City and Gedney agree that in the event of a dispute between the parties concerning this Agreement, the prevailing party in arbitration or other legal proceeding will be entitled to recovery of reasonable attorney's fees and costs from the other party.

C. City understands and acknowledges that Gedney lives outside of the city limits and within Amador County and will not be required to move into the city limits.

Section 10. Notices.

Notices pursuant to this Agreement shall be given by deposit in the custody of the United States Postal Services, postage prepaid, addressed as follows:

(2) To City:
City of Ione
1 E. Main Street
Ione, CA 95640

(2) To Interim Manager:
Amy Gedney
19120 Charleston
Volcano, CA 95689

Alternatively, notices required pursuant to this Agreement may be personally served. Notice shall be deemed given as of the date of personal service or as of the date of deposit of such written notices in with the United States Postal Service.

Section 11. Insurance

Gedney shall obtain and maintain her own individual vehicle insurance policy and the City of Ione shall not be responsible for any portion of that premium payment.

Section 12. Limited Release.

Gedney releases and forever discharges City and its present and former elected officials, employees, agents, insurers, and attorneys, and all persons acting by, through, under, or in concert with any of them, from any and all claims, losses, injuries, damages, or other liabilities of whatsoever kind or nature, whether known or unknown, that she has or may have as of the effective date of this Agreement or the date this Agreement is signed by her, whichever is later, arising from or related to any wage and hour law, including, but not limited to, any and all claims for unpaid wages, salary, bonuses, commissions, overtime pay, premium pay, vacation pay, holiday pay, benefits, and contributions, or for attorney's fees, costs, interest, penalties, or any other remedy for any alleged violation of any wage and hour law.

Section 13. General Provisions.

A. The text herein shall constitute the entire Agreement between the parties. There are no oral agreements or understandings or any other written agreements which directly or indirectly affect the terms and conditions of this Agreement.

B. If any provisions, or any portion thereof, contained in this Agreement is held unconstitutional, invalid, or unenforceable, the remainder of this Agreement, or portion thereof, shall be deemed severable, shall not be affected, and shall remain in full force and effect.

C. No addition, modification, amendment, or deletion to this Agreement shall be valid unless it is in writing and executed by the parties to this Agreement.

D. This Agreement shall be binding upon and inure to the benefit of the heirs at law and executors of Gedney.

E. City and Gedney agree that the construction and interpretation of this Agreement and the rights and duties of City and Gedney hereunder shall be governed by the laws of the State of California.

IN WITNESS WHEREOF, the City of Ione has caused the Agreement to be signed and executed in its behalf by its Mayor and duly attested by its City Clerk, and Interim Manager has signed and executed the Agreement, both in duplicate, on the date indicated.

EXECUTED BY:

CITY OF IONE

Stacy Rhoades, Mayor
City of Ione
Date

INTERIM CITY MANAGER

Amy Gedney

Date 6-23-23

ATTEST

Janice Traverso, City Clerk Date

APPROVED AS TO FORM

Andrew J. Pinasco, City Attorney

Castle Oak Golf Course
Groundwater Monitoring Report
Second Quarter 2023
R5-1993-0240-002

Prepared for

City of Ione

July 5, 2023

Prepared by

DELLAVALLE™
LABORATORY INC

1910 W. McKinley Avenue, Suite 110 ● Fresno, California 93728-1298
Phone (559) 233-6129 ● (800) 228-9896 ● Fax (559) 268-8174
Website: www.dellavallelab.com

Castle Oak Golf Course
Groundwater Monitoring Report
Second Quarter 2023
R5-1993-0240-002

Table of Contents

Cover Letter 1

Tables

Table 1 - Network Site Descriptions

Attachments

Attachment 1 - Groundwater Elevation and Analytical Results Discussion

Attachment 2 - Groundwater Monitoring Network Measurements and Graphs

Attachment 3 - Field Records

Attachment 4 - Historical Water Quality Data and Graphs

Attachment 5 - Reports of Water Analysis (Monitoring Wells)

DELLAVALLE™
LABORATORY INC

July 5, 2023

City of Ione
Amy Gedney, Acting City Manager
1 East Main Street
Ione, CA 95640

RE: Castle Oak Golf Course
Second Quarter 2023 Groundwater Monitoring Report
R5-1993-0240-002

Dear Ms. Gedney:
This report summarizes the 2nd Quarter 2023 groundwater monitoring and analytical sampling event associated with Monitoring and Reporting Program (MRP) R5-1993-0240-002.

AUTHORIZATION

The services provided by Dellavalle Laboratory, Inc. (DLI), Provost and Pritchard Consulting Group, and Del Tech Geotechnical Support Services (Del-Tech) were authorized by the City of Ione and Dellavalle Project Manager, Lisa Rubin.

CASTLE OAK GOLF COURSE GROUNDWATER MONITORING NETWORK

As of 17 May 2023, the Castle Oak Golf Course groundwater monitoring network consists of three (3) groundwater monitoring wells and three (3) piezometers (**Table 1-Network Site Descriptions**).

Table 1. Network Site Descriptions

Monitoring Wells	Monument	Piezometers	Monument
CO MW-1	Flush	CO P-1	Post
CO MW-2	Post	CO P-2	Post
CO MW-3	Post	CO P-4	Post

As required by California Business and Professions Code Section 7835, groundwater monitoring site locations, potentiometric measurements, groundwater elevations, and analytical results summary discussions have been prepared by a Licensed California Geologist and are presented in **Attachment 1 - Groundwater Elevation and Analytical Results Discussion.** Groundwater elevations and depth to water measurements (DTW) with historical graph trends are presented in **Attachment 2** - **Groundwater Monitoring Network Measurements and Graphs**.

GROUNDWATER MONITORING & SAMPLING

Prior to purging and sampling, Del-Tech measured DTW in all monitoring wells and piezometers. DTW was measured from the north side and top edge of well casing. DTW measurements (ft) are subtracted from the depth of well (ft) to determine standing water column (SWC) measurements in feet. The SWC is multiplied by the gallons per foot of depth (0.1632 for 2-inch diameter well casing) to determine calculated purge volume. All well casings are 2-inch polyvinyl chloride.

Dedicated Waterra tubing and check-ball systems are installed at each well, and all monitoring wells were purged and sampled with an inertial pump. Each monitoring well was purged to remove standing water within the well casing that may not be representative of formation water. Purge water samples were monitored in the field for temperature, pH, electrical conductivity (EC), oxidation-reduction potential (ORP), turbidity, and dissolved oxygen (DO). All purged water was released to the ground.

Instrument calibration was carried out daily in the field prior to measuring purge parameters. Field records for water sampling events are included in **Attachment 3 - Field Records**.

Groundwater samples were collected for laboratory analysis after a minimum of three well casing volumes of water had been removed and the field parameters for purge water had stabilized. During sampling, DTW measurements were taken and recorded for draw-down after each purge. The following target criteria for three consecutive measurements were used to define stabilization:

- temperature +/- 0.1 degrees Celsius
- specific conductance +/- 3%
- pH +/- 0.1 units
- ORP +/- 10 millivolts

Samples were collected in the appropriate laboratory prepared containers, labeled, and placed directly into an ice cooled chest and delivered under chain-of-custody protocols by the project manager to DLI's analytical laboratory. Samples for metals analysis were filtered prior to preservation and digestion using a 0.45-micron filter.

As requested, groundwater samples were analyzed at DLI for pH, electrical conductivity (EC), total dissolved solids (TDS), Nitrate-N (NO_3-N), ammonia as nitrogen (NH_4-N), dissolved iron (Fe), and dissolved manganese (Mn). Samples for total coliform organisms (TCO), dissolved arsenic (As), and Volatile Organic Carbons (VOCs), were contracted out to BSK Associates (BSK).

DLI's analytical laboratory is certified by the Environmental Laboratory Accreditation Program (Certificate No. 1595) for the analyses provided herein. BSK is certified by the Environmental Laboratory Accreditation Program (Certificate No. 1180) for the analyses provided herein.

Historical water quality trends and graphs are presented in **Attachment 4 - Historical Water Quality Data and Graphs**. Copies of the laboratory analytical reports for this quarter are included in **Attachment 5 - Reports of Water Analysis (Monitoring Wells)**.

LIMITATIONS STATEMENT

This report has been reviewed by a Professional Geologist in the State of California. DLI's professional services were performed consistent with generally accepted environmental principles and practices in California at the time the services were performed. Data in this report, prior to 28 November 2022, was based on data collected and provided by others. No guarantee or warranty, expressed or implied, is made.

This Report was prepared for the sole use of Dischargers regulated under R5-1993-0240-002, Provost & Pritchard Consulting Group, and involved regulatory agencies. It may not be used or relied upon by any other person(s) without the express written consent and authorization of the City of Ione and DLI. If any errors are found in the information used for this report, the inferences and conclusions shall not be considered valid unless the changes or errors are reviewed by the supervising Professional Geologist and re-approved in writing. Any questions regarding the content of this document should be directed to the DLI Project Manager or the City Manager for Ione.

If you have any questions concerning this report, please do not hesitate to call me at (408) 667-7661 or e-mail inquiries to l.rubin@dellavallelab.com.

Thank you,

Lisa Rubin

Lisa A. Rubin, CCA

Attachments

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Attachment 1
Groundwater Elevation and Analytical Results Discussion

DELLAVALLE™
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www.provostandpritchard.com

July 19, 2023

Lisa Rubin, CCA
Dellavalle Laboratory, Inc.
1910 W. McKinley Avenue #110
Fresno, CA 93728

RE: Castle Oaks Golf Course, Groundwater Monitoring Report, Second Quarter 2023, Groundwater Elevation and Analytical Results Discussion

Dear Ms. Rubin:

This document was prepared by Provost & Pritchard Consulting Group (Provost & Pritchard) for Dellavalle Laboratory, Inc. (DLI) for the Castle Oaks Golf Course in Ione, California, which is subject to Monitoring and Reporting Program (MRP) R5-93-0240-002. The following discussion is based on the information presented in the Castle Oak Golf Course, Groundwater Monitoring Report, Second Quarter 2023, R5-1993-0240 (report) prepared by DLI.

GROUNDWATER ELEVATION

Well locations and depth to water measurements for the second quarter 2023 groundwater sampling event at the Castle Oaks site are provided in Attachment 2 of the DLI report. Top of casing elevations were obtained from the previous consultant's work product, provided by the City of Ione. Groundwater elevations were calculated and are shown on the enclosed Groundwater Elevation Map, prepared by a Provost & Pritchard Professional Geologist. The calculated groundwater gradient across the Castle Oaks site based on the contours for the sample date is approximately 0.004 feet per foot (ft/ft) to the southwest. According to the discussion by the previous consultant, groundwater gradient has been historically to the southwest at approximately 0.004 to 0.007 ft/ft and has been 0.004 ft/ft southwest since 4th quarter 2022. Thus, this quarter's gradient is consistent with historical flow.

Based on hydrographs produced using historical groundwater elevations at the site, seasonal trends are not apparent in MW-1 and the remainder of wells are generally highest in the winter and lowest in the summer, though not consistently in a particular quarter. Groundwater elevation has overall been trending very slightly downward over time. This quarter groundwater levels in the monitoring wells decreased between 0.8 and 1.9 feet from the previous quarter. From the second quarter of 2022 to this quarter the groundwater levels increased approximately 2.5 feet in CO MW-1 and -3 and was within 0.1 foot in CO MW-2. The 3 piezometers had water levels 0.5 to 1.3 feet lower than the previous quarter and 1.5 to 2.6 feet higher than the second quarter of 2022.

ANALYTICAL RESULTS

Based on the laboratory report in Attachment 5 of the DLI report, this quarter ammonia, arsenic, iron, total coliform bacteria (TCO) and volatile organic compounds (VOCs) were not detected in the groundwater samples analyzed. Manganese was detected only in CO MW-3, which historically has had the highest concentration. The field pH ranged from 5.89 in CO MW-2, historically the lowest, to 6.79 in CO MW-1. Field electrical conductivity (EC) had the lowest concentration upgradient in CO MW-1 and highest in CO MW-2, which is consistent with historical spatial trends; however, total dissolved solids (TDS) had the lowest

concentration in CO MW-3 which is inconsistent with recent spatial trends. Nitrate as nitrogen (NO3-N) had the highest concentration upgradient in CO MW-1, consistent with historical spatial trends.

Based on the graphs in Attachment 4 of the DLI report, most constituent concentrations appear to be relatively consistent over time, except for the following exceptions. NO3-N appears to be historically increasing in CO MW-1 and recently in CO MW-2 and -3. Iron appears to have decreased in CO MW-3 historically but has been consistent recently.

Groundwater limitations are not set for this site in the associated Waste Discharge Requirements and so concentrations are compared to respective primary or secondary maximum concentration limits (MCLs) identified in Title 22 of the California Code of Regulations. According to the table in Attachment 4 of the DLI report secondary MCLs were exceeded for pH, EC, and TDS in CO MW-2, and for manganese in CO MW-3.

LIMITATIONS

This document has been prepared for the sole use of DLI, the City of Ione, and involved regulatory agencies. Any other person or entity without the express written consent of Provost & Pritchard Consulting Group may not rely upon this document.

Provost & Pritchard's professional services were performed consistent with generally accepted environmental principles and practices in California at the time the services were performed.

No assessment can eliminate uncertainty regarding the potential for recognized environmental conditions. This document is intended to reduce, but not eliminate this uncertainty, recognizing reasonable limits of time and cost. Subsurface variations cannot be known, or entirely accounted for, despite exhaustive testing. This document should not be regarded as a guarantee that no further recognized environmental conditions are present on or beneath the site, beyond that which could have been detected within the scope of work.

In developing this report, Provost & Pritchard has relied on information that was prepared or provided by others. Provost & Pritchard assumes that this information is accurate and correct, unless noted. Changes in existing conditions at the site due to time lapse, natural causes, or operations on adjoining properties, may deem the information inappropriate.

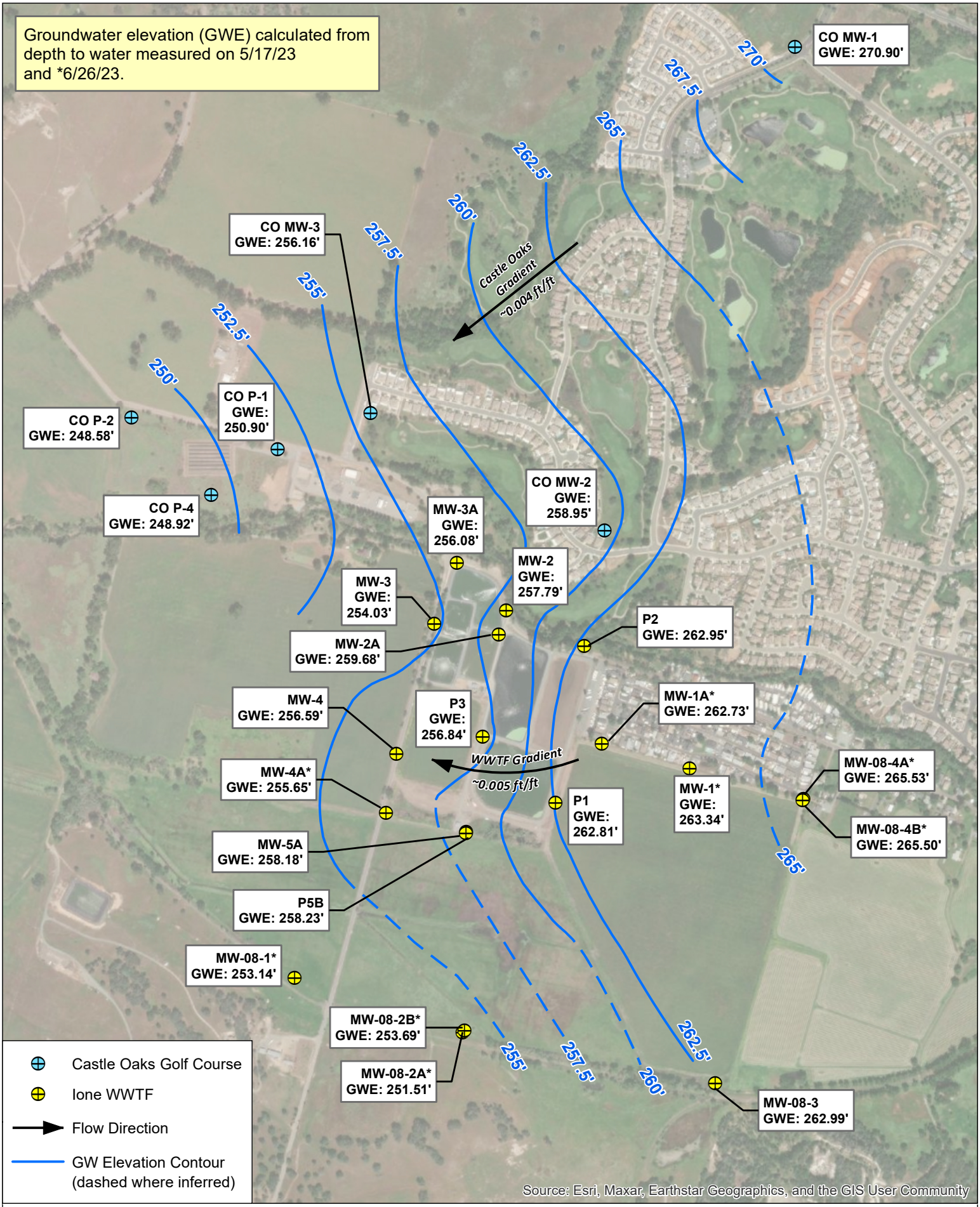
No guarantee or warranty, expressed or implied, is made.

Respectfully,

Daryl Tachella

Daryl Tachella, PG
Senior Geologist

Enclosure: Groundwater Elevation Map for 5/17/23 and 6/26/23



Groundwater Elevation Map

Ione WWTF & Castle Oaks Golf Course

PROVOST& PRITCHARD

7/12/2023 \\ppeng.com\pzdata\clients\Dellavalle-1020\102022001-Ione WWTP & Castle Oak GW Consulting\400 GIS\Map\2Q2023_GW_elevation_map.mxd

Attachment 2
Groundwater Monitoring Network
Measurements and Graphs

DELLAVALLE™
LABORATORY INC

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DELLAVALLE™
LABORATORY INC

Historical Groundwater Monitoring Data
Castle Oaks Golf Course
City of Ione
R5-1993-0240-002

Sample ID	Date	Survey Mark Elevation	Depth to Water	Ground Water Elevation	Volume Purged, gal.	Temp.	Field pH	Field EC	Dissolved Oxygen	Oxidation/ Reduction Potential	Turbidity
Method		Surveyed	Probe	Calculated	Measured	Metered	Metered	Metered	Metered	Metered	Metered
Units:		ft. msl	ft	ft. msl	gal	deg C	std units	umhs/cm	mg/L	Mv	NTU
MW1	11/30/01	280.75	10.33	270.42							
MW1	3/20/02	280.75	9.08	271.67							
MW1	6/12/02	280.75	8.12	272.63							
MW1	9/17/02	280.75	9.06	271.69							
MW1	12/9/02	280.75	12.29	268.46							
MW1	3/28/03	280.75	10.37	270.38							
MW1	6/17/03	280.75	8.32	272.43							
MW1	10/1/03	280.75	9.32	271.43							
MW1	12/31/03	280.75	10.30	270.45							
MW1	3/31/04	280.75	9.16	271.59							
MW1	6/30/04	280.75	9.09	271.66							
MW1	9/30/04	280.75	8.99	271.76							
MW1	1/3/05	280.75	10.07	270.68							
MW1	4/5/05	280.75	7.76	272.99							
MW1	7/1/05	280.75	7.91	272.84							
MW1	10/21/05	280.75	9.16	271.59							
MW1	3/8/06	280.75	8.39	272.36							
MW1	5/30/06	280.75	8.09	272.66							
MW1	8/30/06	280.75	8.74	272.01							
MW1	11/30/06	280.75	11.21	269.54							
MW1	2/27/07	280.75	9.83	270.92							
MW1	5/31/07	280.75	8.40	272.35							

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Method		Surveyed	Probe	Calculated	Measured	Metered	Metered	Metered	Metered	Metered	Metered
Units:		ft. msl	ft	ft. msl	gal	deg C	std units	umhs/cm	mg/L	Mv	NTU
MW1	8/30/07	280.75	8.23	272.52							
MW1	11/30/07	280.75	11.69	269.06							
MW1	6/30/08	280.75	8.50	272.25							
MW1	9/30/08	280.75	13.61	267.14							
MW1	11/30/08	280.75	12.92	267.83							
MW1	12/31/08	280.75	12.56	268.19							
MW1	3/12/09	280.75	8.89	271.86	7.0	18.0	6.80	565			
MW1	6/17/09	280.75	8.33	272.42	5.0	20.9	6.45	640	5.06	-15.9	-15.9
MW1	9/22/09	280.75	7.99	272.76	3.0	24.21	6.61	576	4.84	96.8	96.8
MW1	12/15/09	280.75	10.11	270.64	5.0	20.52	7.51	582	3.56	39.0	39.0
MW1	3/24/10	280.75	8.86	271.89	5.0	17.65	6.58	643	4.92	71.3	71.3
MW1	6/23/10	280.75	9.06	271.69	5.0	18.55	6.60	680	6.60	101.4	101.4
MW1	9/24/10	280.75	8.69	272.06	5.0	23.30	6.57	587	4.05	280.5	280.5
MW1	12/14/10	280.75	9.66	271.09	5.0	19.61	6.92	598	4.49	104.1	104.1
MW1	3/29/11	280.75	7.49	273.26	5.0	17.10	6.54	614	3.95	-136.8	-136.8
MW1	6/22/11	Bent closed, unable to sample									
MW1	9/15/11	280.75	9.29	271.46	5.0	20.81	6.37	586	5.02	79.4	
MW1	12/13/11	280.75	11.01	269.74	4.0	19.49	6.45	591	3.66	55.0	
MW1	3/22/12	280.75	10.13	270.62	4.0	17.09	6.60	590	4.15	63.7	
MW1	6/27/12	280.28	9.84	270.44	5.0	19.46	6.86	582	6.34	88.2	
MW1	9/25/12	280.28	10.28	270.00	4.0	23.87	6.90	606	4.05	49.9	

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Method		Surveyed	Probe	Calculated	Measured	Metered	Metered	Metered	Metered	Metered	Metered
Units:		ft. msl	ft	ft. msl	gal	deg C	std units	umhs/cm	mg/L	Mv	NTU
MW1	12/18/12	280.28	10.92	269.36	10.0	20.49	6.75	578	3.20	144.4	
MW1	3/11/13	280.28	10.30	269.98	6.0	18.46	6.62	590	4.29	126.0	
MW1	6/26/13	280.28	8.14	272.14	5.0	21.39	6.50	500	4.16	160.4	
MW1	9/13/13	280.28	12.44	267.84	3.0	21.18	6.57	609	3.15	203.4	
MW1	12/12/13	280.28	13.40	266.88	2.0	21.60	6.74	610	2.00	90.2	
MW1	3/5/14	280.28	11.44	268.84	4.0	18.90	6.59	504	3.02	179.4	
MW1	6/16/14	280.28	12.62	267.66	4.0	19.59	6.63	624	2.10	96.4	
MW1	9/17/14	280.28	11.35	268.93	4.0	21.66	6.55	571	1.32	132.6	
MW1	12/19/14	280.28	10.42	269.86	6.0	21.98	6.76	519	2.71	169.3	
MW1	3/23/15	280.28	10.09	270.19	6.0	18.90	6.56	602	3.00	58.1	
MW1	6/10/15	280.28	10.04	270.24	5.0	19.36	5.93	562	3.33	135.1	
MW1	9/16/15	280.28	9.72	270.56	5.0	23.05	6.51	591	4.45	101.5	
MW1	12/15/15	280.28	11.92	268.36	4.0	21.97	6.72	567	2.24	45.6	
MW1	3/29/16	280.28	8.44	271.84	5.0	18.12	6.58	606	3.66	138.9	
MW1	6/20/16	280.28	10.84	269.44	4.0	18.89	6.32	595	2.72	151.2	
MW1	9/7/16	280.28	8.69	271.59	5.0	23.08	6.43	604	5.69	276.9	
MW1	12/7/16	280.28	11.15	269.13	4.0	21.4	6.63	566	1.65	85.2	
MW1	3/8/17	280.28	7.87	272.41	5.0	17.5	6.63	615	4.44	221.7	
MW1	6/15/17	280.28	9.49	270.79	5.0	18.0	6.58	595	3.49	222.2	
MW1	9/14/17	280.28	8.59	271.69	5.0	23.4	6.58	547	4.33	255.4	
MW1	12/6/17	280.28	10.64	269.64	4.0	20.9	6.62	564	4.04	155.7	
MW1	3/9/18	280.28	10.64	269.64	4.0	18.7	6.74	674	3.70	158	

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Method		Surveyed	Probe	Calculated	Measured	Metered	Metered	Metered	Metered	Metered	Metered
Units:		ft. msl	ft	ft. msl	gal	deg C	std units	umhs/cm	mg/L	Mv	NTU
MW1	6/15/18	280.28	10.13	270.15	3.5	17.1	6.53	675	3.60	156	
MW1	9/17/18	280.28	8.79	271.49	4.5	20.1	6.59	670	4.10	140	
MW1	12/17/18	280.28	13.02	267.26	3.0	19.9	6.67	640	2.60	170	
MW1	3/18/19	280.28	7.91	272.37	5.0	17.3	6.74	520	6.80	162	
MW1	5/13/19	280.28	6.54	273.74	4.0	16.8	6.72	576	5.60	157	
MW1	9/16/19	280.28	8.72	271.56	4.5	22.9	6.60	540	6.80	69	
MW1	12/16/19	280.28	11.25	269.03	3.0	19.7	6.68	489	2.29	204	
MW1	3/16/19	280.28	10.33	269.95	3.5	16.9	6.80	412	7.12	181	
MW1	6/16/20	280.28	10.69	269.59	3.5	18.5	6.75	555	3.38	208	
MW1	9/14/20	280.28	9.09	271.19	4.0	20.9	6.75	535	3.14	199	
MW1	12/15/20	280.28	10.77	269.51	3.5	15.9	6.79	564	3.35	221	
MW1	3/17/21	280.28	9.83	270.45	4.0	17.3	6.88	510	3.81	205	
MW1	6/22/21	280.28	10.55	269.73	3.5	19.0	6.79	515	4.13	128	
MW1	9/21/21	280.28	13.11	267.17	2.5	19.2	6.46	545	3.06	206	
MW1	12/14/21	280.28	9.81	270.47	4.0	17.9	6.66	214	7.17	238	
MW1	3/16/22	280.28	10.92	269.36	3.5	17.6	6.44	377	4.01	177	
MW1	6/15/22	280.28	11.94	268.34	3.0	19.6	6.31	463	2.36	200	
MW1	9/22/22	280.28	13.57	266.71	2.5	19.2	6.46	545	3.06	206	
MW1	11/28/22	280.28	10.14	270.14	6.0	21.6	6.75	581	3.90	232	165
MW1	3/2/23	280.28	8.58	271.70	6.0	17.7	6.96	534	1.90	138	92
MW1	5/17/23	280.28	9.38	270.90	4.5	18.8	6.79	499	1.40	147	73

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Method		Surveyed	Probe	Calculated	Measured	Metered	Metered	Metered	Metered	Metered	Metered
Units:		ft. msl	ft	ft. msl	gal	deg C	std units	umhs/cm	mg/L	Mv	NTU
MW2	11/30/01	272.01		259.34							
MW2	3/20/02	272.01		260.05							
MW2	6/12/02	272.01		259.26							
MW2	9/17/02	272.01		258.12							
MW2	12/9/02	272.01		259.08							
MW2	3/28/03	272.01		259.59							
MW2	6/17/03	272.01		259.09							
MW2	10/1/03	272.01		257.93							
MW2	12/31/03	272.01		259.92							
MW2	3/31/04	272.01		259.72							
MW2	6/30/04	272.01		258.51							
MW2	9/30/04	272.01		257.67							
MW2	1/3/05	272.01		261.09							
MW2	4/5/05	272.01		262.26							
MW2	7/1/05	272.01		258.93							
MW2	10/21/05	272.01		258.46							
MW2	3/8/06	272.01	10.16	261.85							
MW2	5/30/06	272.01	12.11	259.90							
MW2	8/23/06	272.01	13.41	258.60							
MW2	11/30/06	272.01	14.16	257.85							
MW2	2/27/07	272.01	11.45	260.56							

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Method		Surveyed	Probe	Calculated	Measured	Metered	Metered	Metered	Metered	Metered	Metered
Units:		ft. msl	ft	ft. msl	gal	deg C	std units	umhs/cm	mg/L	Mv	NTU
MW2	5/31/07	272.01	13.54	258.47							
MW2	8/30/07	272.01	14.02	257.99							
MW2	11/30/07	272.01	13.09	258.92							
MW2	6/30/08	272.01	13.17	258.84							
MW2	9/30/08	272.01	13.90	258.11							
MW2	11/30/08	272.01	13.71	258.30							
MW2	12/31/08	272.01	13.56	258.45							
MW2	3/12/09	272.01	11.56	260.45	7.0	16.4	6.20	1,326			
MW2	6/17/09	272.01	13.40	258.61	8.0	17.6	6.02	1,505	1.63	-35.8	
MW2	9/22/09	272.01	13.63	258.38	3.0	18.35	6.07	1,359	2.41	29.8	
MW2	12/15/09	272.01	12.56	259.45	5.0	18.10	6.83	1,187	1.82	21.0	
MW2	3/24/10	272.01	12.06	259.95	6.0	16.35	6.14	1,317	3.91	79.4	
MW2	6/23/10	272.01	13.23	258.78	5.0	16.61	6.09	1,383	4.43	108.2	
MW2	9/24/10	272.01	13.43	258.58	5.0	18.03	5.92	1,478	1.93	49.9	
MW2	12/14/10	272.01	12.25	259.76	5.0	17.51	6.24	1,266	1.86	-63.3	
MW2	3/29/11	272.01	8.64	263.37	8.0	16.32	5.95	1,603	2.43	-169.4	
MW2	6/23/11	272.01	12.91	259.10	5.0	15.87	5.91	1,698	3.14	-49.4	
MW2	9/15/11	272.01	13.20	258.81	5.0	18.08	6.01	1,684	1.36	-113.1	

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Method		Surveyed	Probe	Calculated	Measured	Metered	Metered	Metered	Metered	Metered	Metered
Units:		ft. msl	ft	ft. msl	gal	deg C	std units	umhs/cm	mg/L	Mv	NTU
MW2	12/13/11	272.01	13.09	258.92	5.0	18.21	5.72	1,349	1.80	3.9	
MW2	3/22/12	272.01	11.17	260.84	6.0	16.00	5.74	1,215	2.92	84.8	
MW2	6/27/12	272.01	13.65	258.36	5.0	16.27	5.90	1,459	5.00	66.2	
MW2	9/25/12	272.01	13.64	258.37	5.0	18.11	5.56	1,482	1.96	69.5	
MW2	12/18/12	272.01	12.53	259.48	6.0	18.01	5.90	1,305	1.46	37.9	
MW2	3/11/13	272.01	13.20	258.81	6.0	16.32	5.91	1,416	2.93	147.7	
MW2	6/26/13	272.01	13.91	258.10	5.0	17.48	5.67	1,312	2.86	197.4	
MW2	9/13/13	272.01	14.33	257.68	5.0	17.38	5.39	1,387	4.11	170.3	
MW2	12/12/13	272.01	14.44	257.57	5.0	18.17	5.93	1,219	2.17	58.8	
MW2	3/5/14	272.01	12.40	259.61	5.0	16.39	5.93	1,226	3.31	173.1	
MW2	6/16/14	272.01	13.57	258.44	7.0	16.87	5.84	1,356	1.58	47.8	
MW2	9/17/14	272.01	14.45	257.56	6.0	18.22	5.87	1,246	0.61	174.1	
MW2	12/19/14	272.01	11.10	260.91	6.0	18.34	6.01	953	1.01	186.6	
MW2	3/23/15	272.01	12.67	259.34	5.0	16.56	5.63	1,206	0.36	36.7	
MW2	6/10/15	272.01	12.72	259.29	5.0	16.69	5.49	1,210	0.29	101.0	
MW2	9/16/15	272.01	14.45	257.56	5.0	18.67	5.72	1,382	1.14	87.6	
MW2	12/15/15	272.01	12.44	259.57	6.0	18.47	5.90	1,331	2.04	45.2	
MW2	3/29/16	272.01	11.23	260.78	6.0	16.27	5.71	1,461	0.36	126.7	
MW2	6/20/16	272.01	13.08	258.93	5.0	16.53	5.61	1,502	1.02	174.1	
MW2	9/7/16	272.01	13.68	258.33	5.0	18.17	5.61	1,532	0.42	271.0	

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Method		Surveyed	Probe	Calculated	Measured	Metered	Metered	Metered	Metered	Metered	Metered
Units:		ft. msl	ft	ft. msl	gal	deg C	std units	umhs/cm	mg/L	Mv	NTU
MW2	12/7/16	272.01	12.30	259.71	5.0	18.3	5.75	1,354	0.42	2.5	
MW2	3/8/17	272.01	10.08	261.93	7.0	15.9	5.72	1,611	1.67	200	
MW2	6/15/17	272.01	12.97	259.04	6.0	16.2	5.60	2,016	0.60	180.2	
MW2	9/14/17	272.01	13.87	258.14	5.0	18.4	5.80	1,874	1.22	174.4	
MW2	12/6/17	272.01	13.17	258.84	5.0	18.7	5.76	1,679	0.96	143.7	
MW2	3/9/18	272.01	12.68	259.33	7.0	16.7	5.89	1,881	1.9	60	
MW2	6/15/18	272.01	13.23	258.78	6.0	16.2	5.77	1,854	2.3	213	
MW2	9/17/18	272.01	13.81	258.20	5.5	18.0	5.95	1,942	4.7	228	
MW2	12/17/18	272.01	13.39	258.62	6.0	17.5	6.07	1,500	3.2	229	
MW2	3/18/19	272.01	10.97	261.04	7.0	16.1	5.94	1,333	5.4	220	
MW2	5/13/19	272.01	12.60	259.41	6.0	16.1	5.89	1,415	4.4	215	
MW2	9/16/19	272.01	13.75	258.26	5.5	18.6	5.78	1,675	3.6	48	
MW2	12/16/19	272.01	12.28	259.73	6.5	17.7	5.79	1,421	1.52	254	
MW2	3/16/20	272.01	12.27	259.74	6.5	14.3	5.91	1,519	1.99	252	
MW2	6/16/20	272.01	13.65	258.36	6.5	16.5	5.88	1,500	1.35	252	
MW2	9/14/20	272.01	14.28	257.73	5.5	18.2	5.83	1,569	1.87	247	
MW2	12/15/20	272.01	13.29	258.72	6.0	16.9	5.96	1,527	2.79	239	
MW2	3/17/21	272.01	12.37	259.64	6.5	15.3	6.02	1,153	2.45	245	
MW2	6/22/21	272.01	13.50	258.51	6.0	17.0	5.81	1,181	1.59	188	
MW2	9/21/21	272.01	14.94	257.07	5.0	18.3	5.61	1,253	2.08	239	

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Units:		ft. msl	ft	ft. msl	gal	deg C	std units	umhs/cm	mg/L	Mv	NTU
MW2	12/14/21	272.01	11.43	260.58	7.0	17.3	5.84	669	4.43	274	
MW2	3/16/22	272.01	12.27	259.74	6.5	15.3	5.72	800	1.87	216	
MW2	6/15/22	272.01	13.01	259.00	6.0	17.0	5.52	1,060	1.85	223	
MW2	9/22/22	272.01	14.80	257.21	5.0	18.3	5.61	1,253	2.68	239	
MW2	11/28/22	272.01	14.75	257.26	6.0	18.3	6.30	1370	3.10	228	413
MW2	03/02/23	272.01	11.20	260.81	9.0	15.7	5.96	1327	2.30	157	293
MW2	05/17/23	272.01	13.06	258.95	6.0	16.0	5.89	1490	0.90	171	287

DELLAVALLE™
LABORATORY INC

Historical Groundwater Monitoring Data
Castle Oaks Golf Course
City of Ione
R5-1993-0240-002

Sample ID	Date	Survey Mark Elevation	Depth to Water	Ground Water Elevation	Volume Purged, gal.	Temp.	Field pH	Field EC	Dissolved Oxygen	Oxidation/ Reduction Potential	Turbidity
Method		Surveyed	Probe	Calculated	Measured	Metered	Metered	Metered	Metered	Metered	Metered
Units:		ft. msl	ft	ft. msl	gal	deg C	std units	umhs/cm	mg/L	Mv	NTU
MW3	11/30/01	264.86	9.86	255.00							
MW3	3/20/02	264.86	8.86	256.00							
MW3	6/12/02	264.86	10.54	254.32							
MW3	9/17/02	264.86	11.12	253.74							
MW3	12/9/02	264.86	10.26	254.60							
MW3	3/28/03	264.86	9.87	254.99							
MW3	6/17/03	264.86	10.37	254.49							
MW3	10/1/03	264.86	11.19	253.67							
MW3	12/31/03	264.86	9.58	255.28							
MW3	3/31/04	264.86	9.26	255.60							
MW3	6/30/04	264.86	10.74	254.12							
MW3	9/30/04	264.86	11.41	253.45							
MW3	1/3/05	264.86	8.90	255.96							
MW3	4/5/05	264.86	6.72	258.14							
MW3	7/1/05	264.86	9.77	255.09							
MW3	10/21/05	264.86	10.50	254.36							
MW3	3/8/06	264.86	7.54	257.32							
MW3	5/24/06	264.86	8.84	256.02							
MW3	8/23/06	264.86	10.93	253.93							
MW3	11/30/06	264.86	10.51	254.35							
MW3	2/27/07	264.86	8.17	256.69							
MW3	5/31/07	264.86	10.53	254.33							
MW3	8/30/07	264.86	11.16	253.7							
MW3	11/30/07	264.86	10.29	254.57							

DELLAVALLE™
LABORATORY INC

Historical Groundwater Monitoring Data
Castle Oaks Golf Course
City of Ione
R5-1993-0240-002

Sample ID	Date	Survey Mark Elevation	Depth to Water	Ground Water Elevation	Volume Purged, gal.	Temp.	Field pH	Field EC	Dissolved Oxygen	Oxidation/ Reduction Potential	Turbidity
Method		Surveyed	Probe	Calculated	Measured	Metered	Metered	Metered	Metered	Metered	Metered
Units:		ft. msl	ft	ft. msl	gal	deg C	std units	umhs/cm	mg/L	Mv	NTU
MW3	6/30/08	264.86	10.71	254.15							
MW3	9/30/08	264.86	11.35	253.51							
MW3	11/30/08	264.86	10.90	253.96							
MW3	12/31/08	264.86	10.23	254.63							
MW3	3/12/09	264.86	8.60	256.26	5.0	17.5	6.70	475			
MW3	6/17/09	264.86	10.39	254.47	40.0	18.30	6.34	482	2.78	-27.1	
MW3	9/22/09	264.86	11.00	253.86	3.0	18.19	6.58	490	2.88	-2.7	
MW3	12/15/09	264.86	10.13	254.73	10.0	18.22	7.36	510	2.07	11.5	
MW3	3/24/10	264.86	8.95	255.91	11.0	17.64	6.56	555	3.84	-6.1	
MW3	6/23/10	264.86	10.03	254.83	10.0	17.79	6.53	543	3.78	63.7	
MW3	9/24/10	264.86	11.19	253.67	9.0	18.08	6.44	494	2.14	-24.1	
MW3	12/14/10	264.86	9.78	255.08	10.0	18.03	6.72	484	1.40	-28.8	
MW3	3/29/11	264.86	4.23	260.63	13.0	17.47	6.41	505	2.88	-130.9	
MW3	6/23/11	264.86	9.53	255.33	11.0	16.63	6.34	523	1.51	-18.7	
MW3	9/15/11	264.86	10.62	254.24	10.0	17.39	6.60	515	1.11	-82	
MW3	12/13/11	264.86	10.50	254.36	10.0	17.71	5.98	539	1.35	-17.6	
MW3	3/22/12	264.86	9.24	255.62	11.0	16.84	6.01	531	1.66	8.7	
MW3	6/27/12	264.86	10.91	253.95	10.0	16.91	6.12	567	1.83	45.7	
MW3	9/25/12	264.86	11.26	253.60	10.0	17.60	6.23	587	2.74	109.3	
MW3	12/18/12	264.86	9.96	254.90	11.0	17.80	6.51	542	1.55	14.5	
MW3	3/11/13	264.86	10.33	254.53	10.0	17.04	6.38	566	3.35	140.5	
MW3	6/26/13	264.86	11.30	253.56	10.0	17.11	5.42	543	2.24	208.2	
MW3	9/13/13	264.86	11.82	253.04	9.0	17.60	6.07	600	2.99	90.7	
MW3	12/12/13	264.86	11.73	253.13	9.0	17.55	6.41	544	1.52	74.4	

DELLAVALLE LABORATORY INC

Historical Groundwater Monitoring Data
Castle Oaks Golf Course
City of Ione
R5-1993-0240-002

Sample ID	Date	Survey Mark Elevation	Depth to Water	Ground Water Elevation	Volume Purged, gal.	Temp.	Field pH	Field EC	Dissolved Oxygen	Oxidation/ Reduction Potential	Turbidity
Method		Surveyed	Probe	Calculated	Measured	Metered	Metered	Metered	Metered	Metered	Metered
Units:		ft. msl	ft	ft. msl	gal	deg C	std units	umhs/cm	mg/L	Mv	NTU
MW3	3/5/14	264.86	9.61	255.25	11.0	17.29	6.81	591	2.54	68.3	
MW3	6/16/14	264.86	11.26	253.60	12.0	17.69	6.62	657	5.47	57.8	
MW3	9/17/14	264.86	12.61	252.25	9.0	17.87	6.44	596	0.09	2.7	
MW3	12/19/14	264.86	9.41	255.45	11.0	17.94	6.57	550	0.67	162.2	
MW3	3/23/15	264.86	9.79	255.07	8.0	17.28	6.35	606	0.08	41.5	
MW3	6/10/15	264.86	10.45	254.41	10.0	17.08	6.37	571	0.17	71.3	
MW3	9/16/15	264.86	12.62	252.24	9.0	17.79	6.44	597	1.27	-32.3	
MW3	12/15/15	264.86	10.51	254.35	13.0	17.94	6.47	574	1.15	43.8	
MW3	3/29/16	264.86	8.40	256.46	11.0	17.11	6.41	566	0.12	63.5	
MW3	6/20/16	264.86	10.67	254.19	13.0	16.90	6.25	599	0.96	28.3	
MW3	9/7/16	264.86	11.84	253.02	12.0	17.63	6.11	635	0.34	180.4	
MW3	12/7/16	264.86	9.94	254.92	11.0	18.0	6.45	591	0.34	-118.3	
MW3	3/7/17	264.86	6.45	258.41	7.0	16.7	6.38	544	0.16	83.7	
MW3	6/15/17	264.86	9.78	255.08	20.0	16.2	6.40	612	2.91	86.1	
MW3	9/14/17	264.86	11.44	253.42	10.0	17.3	6.35	630	1.44	28.6	
MW3	12/6/17	264.86	10.26	254.60	10.0	18.0	6.41	631	0.81	79.4	
MW3	3/9/18	264.86	9.92	254.94	9.0	17.4	6.58	797	1.4	36	
MW3	6/15/18	264.86	10.32	254.54	9.0	16.8	6.52	893	2.0	118	
MW3	9/17/18	264.86	11.39	253.47	8.5	17.3	6.59	913	5.0	131	
MW3	12/17/18	264.86	10.45	254.41	9.0	18.0	6.51	830	1.4	124	
MW3	3/18/19	264.86	7.60	257.26	10.5	17.6	6.51	620	2.5	159	
MW3	5/13/19	264.86	9.60	255.26	9.5	17.4	6.50	740	1.9	126	
MW3	9/16/19	264.86	11.11	253.75	8.5	18.3	6.45	794	3.1	35	
MW3	12/16/19	264.86	9.70	255.16	9.5	18.6	6.45	723	1.55	198	
MW3	3/16/19	264.86	10.51	254.35	9.0	15.6	6.53	750	1.33	231	

DELLAVALLE™
LABORATORY INC

Historical Groundwater Monitoring Data
Castle Oaks Golf Course
City of Ione
R5-1993-0240-002

Sample ID	Date	Survey Mark Elevation	Depth to Water	Ground Water Elevation	Volume Purged, gal.	Temp.	Field pH	Field EC	Dissolved Oxygen	Oxidation/ Reduction Potential	Turbidity
Method		Surveyed	Probe	Calculated	Measured	Metered	Metered	Metered	Metered	Metered	Metered
Units:		ft. msl	ft	ft. msl	gal	deg C	std units	umhs/cm	mg/L	Mv	NTU
MW3	6/16/20	264.86	11.02	253.84	8.5	18.0	6.53	774	1.13	219	
MW3	9/14/20	264.86	12.35	252.51	8.0	18.7	6.55	789	1.68	219	
MW3	12/15/20	264.86	12.99	251.87	8.5	16.5	6.65	804	2.95	218	
MW3	3/17/21	264.86	9.86	255.00	9.0	17.2	6.72	745	2.07	224	
MW3	6/22/21	264.86	11.41	253.45	8.5	18	6.53	729	1.89	183	
MW3	9/21/21	264.86	12.50	252.36	8.0	18.5	6.36	753	1.84	224	
MW3	12/14/21	264.86	9.48	255.38	9.5	17.6	6.60	455	2.67	269	
MW3	3/16/22	264.86	10.05	254.81	9.0	17.2	6.47	524	1.59	211	
MW3	6/15/22	264.86	11.19	253.67	8.5	18.3	6.21	668	1.92	201	
MW3	9/22/22	264.86	12.68	252.18	8.5	18.5	6.36	753	1.84	224	
MW3	11/28/22	264.86	11.86	253.00	9.0	18.6	7.36	724	2.60	192	415
MW3	03/02/23	264.86	7.85	257.01	12.0	16.8	6.76	739	0.70	94	1000+
MW3	05/17/23	264.86	8.70	256.16	9.0	18.6	6.62	705	1.20	106	1000+

DELLAVALLE™
LABORATORY INC

Historical Groundwater Monitoring Data
Castle Oaks Golf Course
City of Ione
R5-1993-0240-002

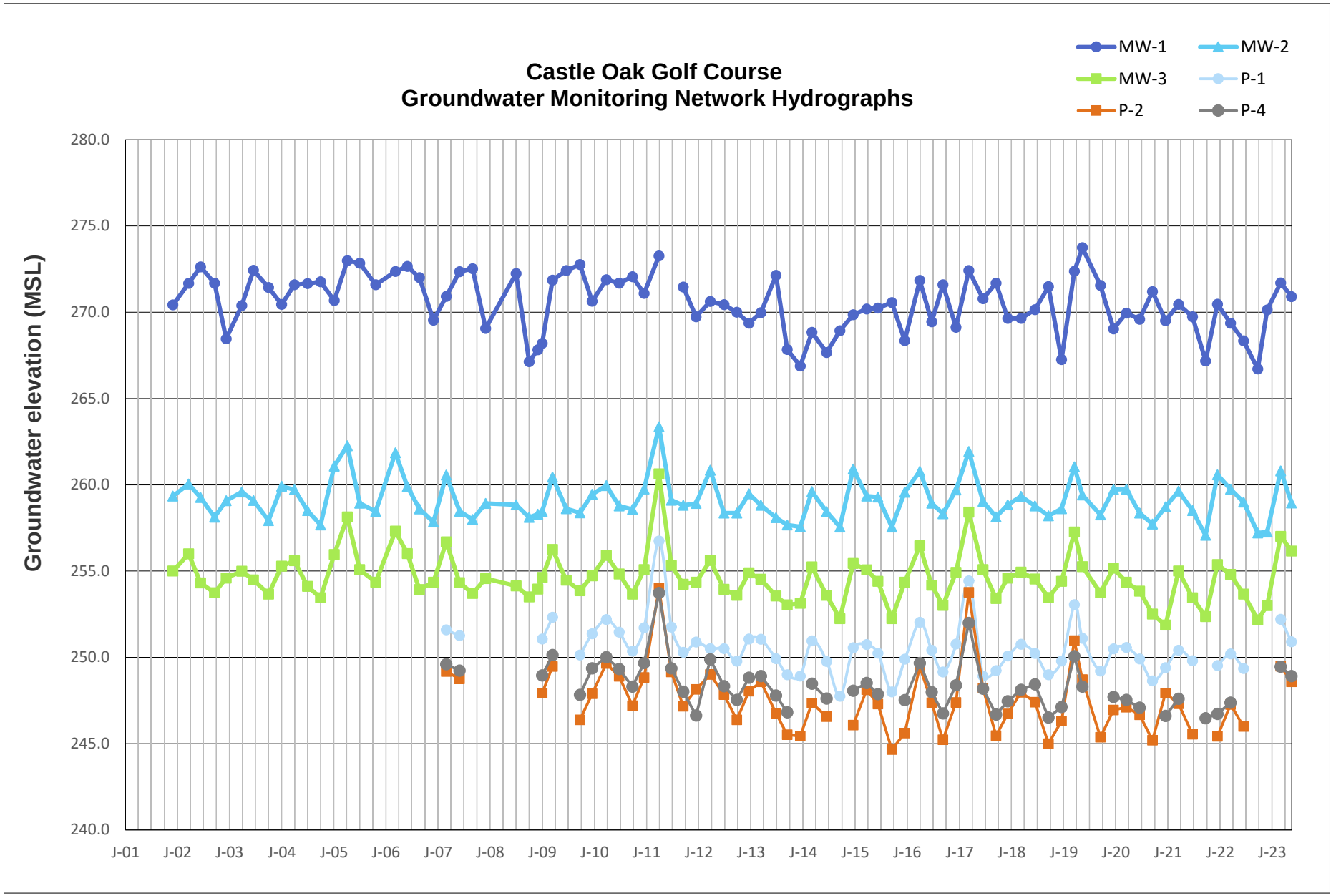
Sample ID	Date	Survey Mark Elevation	Depth to Water	Ground Water Elevation	Sample ID	Date	Survey Mark Elevation	Depth to Water	Ground Water Elevation	Sample ID	Date	Survey Mark Elevation	Depth to Water	Ground Water Elevation
Method		Surveyed	Probe	Calculated	Method		Surveyed	Probe	Calculated	Method		Surveyed	Probe	Calculated
Units:		ft. msl	ft	ft. msl	Units:		ft. msl	ft	ft. msl	Units:		ft. msl	ft	ft. msl
P1	**Latitude**	**38.3557**	**Longitude**	**-120.9627**	**P2**	**Latitude**	**38.35629**	**Longitude**	**-120.9663**	**P4**	**Latitude**	**38.35481**	**Longitude**	**-120.9643**
P1	4/4/07	264.80	13.20	251.60	P2	4/4/07	261.55	12.37	249.18	P4	4/4/07	264.41	14.81	249.60
P1	5/18/07	264.80	13.54	251.26	P2	5/18/07	261.55	12.80	248.75	P4	5/18/07	264.41	15.18	249.23
P1	1/13/09	264.80	13.73	251.07	P2	1/13/09	261.55	13.62	247.93	P4	1/13/09	264.41	15.46	248.95
P1	3/11/09	264.80	12.47	252.33	P2	3/11/09	261.55	12.08	249.47	P4	3/11/09	264.41	14.28	250.13
P1	9/22/09	264.80	14.67	250.13	P2	9/22/09	261.55	15.17	246.38	P4	9/22/09	264.41	16.58	247.83
P1	12/15/09	264.80	13.43	251.37	P2	12/15/09	261.55	13.66	247.89	P4	12/15/09	264.41	15.04	249.37
P1	3/24/10	264.80	12.61	252.19	P2	3/24/10	261.55	11.91	249.64	P4	3/24/10	264.41	14.39	250.02
P1	6/23/10	264.80	13.34	251.46	P2	6/23/10	261.55	12.65	248.90	P4	6/23/10	264.41	15.08	249.33
P1	9/24/10	264.80	14.44	250.36	P2	9/24/10	261.55	14.35	247.20	P4	9/24/10	264.41	16.11	248.30
P1	12/13/10	264.80	13.09	251.71	P2	12/13/10	261.55	12.72	248.83	P4	12/13/10	264.41	14.74	249.67
P1	3/29/11	264.80	8.05	256.75	P2	3/29/11	261.55	7.54	254.01	P4	3/29/11	264.41	10.68	253.73
P1	6/22/11	264.80	13.04	251.76	P2	6/22/11	261.55	12.39	249.16	P4	6/22/11	264.41	15.05	249.36
P1	9/13/11	264.80	14.50	250.30	P2	9/13/11	261.55	14.39	247.16	P4	9/13/11	264.41	16.40	248.01
P1	12/12/11	264.80	13.91	250.89	P2	12/12/11	261.55	13.40	248.15	P4	12/12/11	264.41	17.78	246.63
P1	3/20/12	264.80	14.29	250.51	P2	3/20/12	261.55	12.54	249.01	P4	3/20/12	264.41	14.53	249.88
P1	6/25/12	264.80	14.29	250.51	P2	6/25/12	261.55	13.71	247.84	P4	6/25/12	264.41	16.08	248.33
P1	9/25/12	264.80	15.02	249.78	P2	9/25/12	261.55	15.17	246.38	P4	9/25/12	264.41	16.88	247.53
P1	12/17/12	264.80	13.74	251.06	P2	12/17/12	261.55	13.51	248.04	P4	12/17/12	264.41	15.59	248.82
P1	3/11/13	264.80	13.75	251.05	P2	3/11/13	261.55	12.97	248.58	P4	3/11/13	264.41	15.50	248.91
P1	6/26/13	264.80	14.87	249.93	P2	6/26/13	261.55	14.78	246.77	P4	6/26/13	264.41	16.62	247.79
P1	9/11/13	264.80	15.80	249.00	P2	9/11/13	261.55	16.03	245.52	P4	9/11/13	264.41	17.59	246.82
P1	12/10/13	264.80	15.88	248.92	P2	12/10/13	261.55	16.11	245.44	P4	12/10/13	264.41	dry	dry
P1	3/4/14	264.80	13.84	250.96	P2	3/4/14	261.55	14.2	247.35	P4	3/4/14	264.41	15.93	248.48
P1	6/16/14	264.80	15.04	249.76	P2	6/16/14	261.55	14.98	246.57	P4	6/16/14	264.41	16.79	247.62
P1	9/17/14	264.80	17.05	247.75	P2	9/17/14	261.55	dry	dry	P4	9/17/14	264.41	dry	dry
P1	12/17/14	264.80	14.24	250.56	P2	12/17/14	261.55	15.47	246.08	P4	12/17/14	264.41	16.34	248.07
P1	3/23/15	264.80	14.05	250.75	P2	3/23/15	261.55	13.43	248.12	P4	3/23/15	264.41	15.89	248.52
P1	6/10/15	264.80	14.56	250.24	P2	6/10/15	261.55	14.26	247.29	P4	6/10/15	264.41	16.54	247.87
P1	9/16/15	264.80	16.80	248.00	P2	9/16/15	261.55	16.89	244.66	P4	9/16/15	264.41	dry	dry

DELLAVALLE™
LABORATORY INC

Historical Groundwater Monitoring Data
Castle Oaks Golf Course
City of Ione
R5-1993-0240-002

Sample ID	Date	Survey Mark Elevation	Depth to Water	Ground Water Elevation	Sample ID	Date	Survey Mark Elevation	Depth to Water	Ground Water Elevation	Sample ID	Date	Survey Mark Elevation	Depth to Water	Ground Water Elevation
Method		Surveyed	Probe	Calculated	Method		Surveyed	Probe	Calculated	Method		Surveyed	Probe	Calculated
Units:		ft. msl	ft	ft. msl	Units:		ft. msl	ft	ft. msl	Units:		ft. msl	ft	ft. msl
P1	12/15/15	264.80	14.90	249.90	P2	12/15/15	261.55	15.94	245.61	P4	12/15/15	264.41	16.89	247.52
P1	3/29/16	264.80	12.76	252.04	P2	3/29/16	261.55	12.09	249.46	P4	3/29/16	264.41	14.74	249.67
P1	6/20/16	264.80	14.38	250.42	P2	6/20/16	261.55	14.18	247.37	P4	6/20/16	264.41	16.43	247.98
P1	9/7/16	264.80	15.64	249.16	P2	9/7/16	261.55	16.32	245.23	P4	9/7/16	264.41	17.66	246.75
P1	12/7/16	264.80	14.03	250.77	P2	12/7/16	261.55	14.16	247.39	P4	12/7/16	264.41	16.02	248.39
P1	3/8/17	264.80	10.37	254.43	P2	3/8/17	261.55	7.78	253.77	P4	3/8/17	264.41	12.41	252.00
P1	6/13/17	264.80	15.88	248.92	P2	6/13/17	261.55	13.34	248.21	P4	6/13/17	264.41	16.22	248.19
P1	9/12/17	264.80	15.56	249.24	P2	9/12/17	261.55	16.09	245.46	P4	9/12/17	264.41	17.72	246.69
P1	12/4/17	264.80	14.72	250.08	P2	12/4/17	261.55	14.83	246.72	P4	12/4/17	264.41	16.96	247.45
P1	3/9/18	264.80	14.04	250.76	P2	3/9/18	261.55	13.58	247.97	P4	3/9/18	264.41	16.29	248.12
P1	6/14/18	264.80	14.57	250.23	P2	6/14/18	261.55	14.15	247.40	P4	6/14/18	264.41	15.97	248.44
P1	9/17/18	264.80	15.80	249.00	P2	9/17/18	261.55	16.55	245.00	P4	9/17/18	264.41	17.90	246.51
P1	12/17/18	264.80	15.01	249.79	P2	12/17/18	261.55	15.23	246.32	P4	12/17/18	264.41	17.29	247.12
P1	3/18/19	264.80	11.74	253.06	P2	3/18/19	261.55	10.58	250.97	P4	3/18/19	264.41	14.34	250.07
P1	5/10/19	264.80	13.70	251.1	P2	5/10/19	261.55	12.84	248.71	P4	5/10/19	264.41	16.10	248.31
P1	9/15/19	264.80	15.59	249.21	P2	9/15/19	261.55	16.18	245.37	P4	9/15/19	264.41	dry	dry
P1	12/15/19	264.80	14.30	250.50	P2	12/15/19	261.55	14.60	246.95	P4	12/15/19	264.41	16.70	247.71
P1	3/15/19	264.80	14.23	250.57	P2	3/15/19	261.55	14.44	247.11	P4	3/15/19	264.41	16.87	247.54
P1	6/14/20	264.80	14.89	249.91	P2	6/14/20	261.55	14.88	246.67	P4	6/14/20	264.41	17.33	247.08
P1	9/14/20	264.80	16.16	248.64	P2	9/14/20	261.55	16.35	245.20	P4	9/14/20	264.41	dry	dry
P1	12/13/20	264.80	15.39	249.41	P2	12/13/20	261.55	13.62	247.93	P4	12/13/20	264.41	17.80	246.61
P1	3/16/21	264.80	14.38	250.42	P2	3/16/21	261.55	14.24	247.31	P4	3/16/21	264.41	16.81	247.60
P1	6/20/21	264.80	15.00	249.80	P2	6/20/21	261.55	16.00	245.55	P4	6/20/21	264.41	dry	dry
P1	9/21/21	264.80	dry	dry	P2	9/21/21	261.55	dry	dry	P4	9/21/21	264.41	17.93	246.48
P1	12/14/21	264.80	15.27	249.53	P2	12/14/21	261.55	16.13	245.42	P4	12/14/21	264.41	17.68	246.73
P1	3/16/22	264.80	14.60	250.20	P2	3/16/22	261.55	14.28	247.27	P4	3/16/22	264.41	17.03	247.38
P1	6/12/22	264.80	15.45	249.35	P2	6/12/22	261.55	15.56	245.99	P4	6/12/22	264.41	dry	dry
P1	9/24/22	264.80	dry	dry	P2	9/24/22	261.55	dry	dry	P4	9/24/22	264.41	dry	dry
P1	11/28/22	264.80	dry	dry	P2	11/28/22	261.55	dry	dry	P4	11/28/22	264.41	dry	dry
P1	3/2/23	264.80	12.59	252.21	P2	3/2/23	261.55	12.07	249.48	P4	3/2/23	264.41	14.95	249.46
P1	5/17/23	264.80	13.90	250.90	P2	5/17/23	261.55	12.97	248.58	P4	5/17/23	264.41	15.49	248.92

DELLAVALLE™
LABORATORY INC



Attachment 3
Field Records

DELLAVALLE™
LABORATORY INC

1910 W. McKinley Avenue, Suite 110 ● Fresno, California 93728-1298
Phone (559) 233-6129 ● (800) 228-9896 ● Fax (559) 268-8174
Website: dellavallelab.com

DELLAVALLE™
LABORATORY INC

MONITORING WELL FIELD LOG

PROJECT SUMMARY – CO MW 1

SAMPLING DATE	PROJECT NAME	PROJECT ADDRESS	SITE CONTACT	PROJECT MANAGER
5/17/2023	Castle Oak Golf Course Monitoring Well Network	Ione, CA	Todd Waklee	Lisa Rubin

SITE OVERVIEW

LOCATION	MONUMENT WELL CASING	DIAMETER OF CASING/GALLONS PER FOOT DEPTH	DEPTH OF WELL (FT)	DEPTH OF PUMP (FT)	DEPTH TO WATER (FT)	STANDING WATER COLUMN (FT)
Lat: 38.363526 Long: -120.950034	Flush/PVC	2 inches / 0.1632	17.21	15	9.38	7.83

METHOD OVERVIEW

CALCULATED PURGE VOLUME (GALLON)	PURGE AND SAMPLING METHOD	SAMPLER	SAMPLE TIME	DEPTH TO WATER AT SAMPLING TIME (FT)	ANALYSIS PERFORMED	LAB ANALYSIS
1.28	Waterra Inertial Pump	Del-Tech Ashley Putnam	9:49	9.40	See Chain of Custody	Dellavalle Laboratory, Inc.

FIELD SUMMARY

TIME	ACTUAL VOLUME PURGED (GAL)	PUMP RATE (GPM)	PH (UNITS)	EC (µS/CM)	TEMP (CELSIUS)	O.R.P (MVOLTS)	TURBIDITY (N.T.U)	DO (PPM)	COLOR	ODOR
9:39	0	0.5	6.42	502	20.2	167	133	2.4		
9:42	1.5	0.5	6.68	502	19.6	151	96	0.9		
9:45	1.5	0.5	6.73	499	18.8	148	91	1.6		
9:48	1.5	0.5	6.79	499	18.8	147	73	1.4	brown	none
sampled										

MONITORING WELL FIELD LOG

PROJECT SUMMARY – CO MW 2

SAMPLING DATE	PROJECT NAME	PROJECT ADDRESS	SITE CONTACT	PROJECT MANAGER
5/17/2023	Castle Oak Golf Course Monitoring Well Network	Ione, CA	Todd Waklee	Lisa Rubin

SITE OVERVIEW

LOCATION	MONUMENT WELL CASING	DIAMETER OF CASING/GALLONS PER FOOT DEPTH	DEPTH OF WELL (FT)	DEPTH OF PUMP (FT)	DEPTH TO WATER (FT)	STANDING WATER COLUMN (FT)
Lat: 38.354154 Long: -120.954648	Post/PVC	2 inches / 0.1632	24.83	22	13.06	11.77

METHOD OVERVIEW

CALCULATED PURGE VOLUME (GALLON)	PURGE AND SAMPLING METHOD	SAMPLER	SAMPLE TIME	DEPTH TO WATER AT SAMPLING TIME (FT)	ANALYSIS PERFORMED	LAB ANALYSIS
1.92	Waterra Inertial Pump	Del-Tech Ashley Putnam	10:32	13.27	See Chain of Custody	Dellavalle Laboratory, Inc.

FIELD SUMMARY

TIME	ACTUAL VOLUME PURGED (GAL)	PUMP RATE (GPM)	PH (UNITS)	EC (µS/CM)	TEMP (CELSIUS)	O.R.P (MVOLTS)	TURBIDITY (N.T.U)	DO (PPM)	COLOR	ODOR
10:19	0	0.5	6.51	1461	18.0	213	679	1.6		
10:23	2	0.5	6.05	1473	16.7	175	473	0.7		
10:27	2	0.5	5.93	1485	16.2	170	327	0.9		
10:31	2	0.5	5.89	1490	16.0	171	287	0.9	brownish gray	none
sampled										

MONITORING WELL FIELD LOG

PROJECT SUMMARY – CO MW 3

SAMPLING DATE	PROJECT NAME	PROJECT ADDRESS	SITE CONTACT	PROJECT MANAGER
5/17/2023	Castle Oak Golf Course Monitoring Well Network	Ione, CA	Todd Waklee	Lisa Rubin

SITE OVERVIEW

LOCATION	MONUMENT WELL CASING	DIAMETER OF CASING/GALLONS PER FOOT DEPTH	DEPTH OF WELL (FT)	DEPTH OF PUMP (FT)	DEPTH TO WATER (FT)	STANDING WATER COLUMN (FT)
Lat: 38.356405 Long: -120.960409	Post/PVC	2 inches / 0.1632	28.09	26	8.70	19.39

METHOD OVERVIEW

CALCULATED PURGE VOLUME (GALLON)	PURGE AND SAMPLING METHOD	SAMPLER	SAMPLE TIME	DEPTH TO WATER AT SAMPLING TIME (FT)	ANALYSIS PERFORMED	LAB ANALYSIS
3.16	Waterra Inertial Pump	Del-Tech Ashley Putnam	11:00	15.00	See Chain of Custody	Dellavalle Laboratory, Inc.

FIELD SUMMARY

TIME	ACTUAL VOLUME PURGED (GAL)	PUMP RATE (GPM)	PH (UNITS)	EC (µS/CM)	TEMP (CELSIUS)	O.R.P (MVOLTS)	TURBIDITY (N.T.U)	DO (PPM)	COLOR	ODOR
10:50	0	1.0	6.39	747	19.3	135	1000+	1.2		
10:53	3	1.0	6.63	745	18.3	112	1000+	1.1		
10:56	3	1.0	6.65	736	18.2	113	1000+	1.3		
10:59	3	1.0	6.62	705	18.6	106	1000+	1.2	brown	none
sampled										

NOTES

WELL INSPECTION REPORT(S)	WEATHER	QUALITY CONTROL AND CONTAINMENT
Slow recharge in MW-3	55-71 degrees Fahrenheit. Clear with winds 1-2 mph	All measurements are made from the north side and top edge of the well casing. Dedicated purge tubing and water purged to the ground. Pump cleaned as necessary.

INSTRUMENTATION

TYPE OF INSTRUMENTATION	MANUFACTURER	SERIAL NO.
6P Multi Meter	Myron L Company	6223581
Turbidity Meter	Oakton	98703
Dissolved Oxygen Meter	Milwaukee	2290134991
D.T.W Meter	Heron Instruments, Inc.	I2FF2102146EC

CALIBRATIONS

TYPE OF INSTRUMENT	DATE	STANDARD MEASUREMENTS	PRE-CALIBRATED READING	CALIBRATED READING
pH Meter	5/17/2023	4 units	4.00	4.00
		7 units	6.98	7.00
		10 units	10.02	10.00
Electrical Conductivity	5/17/2023	1413 µS/cm	1420	1413
Turbidity	5/17/2023	20 NTU	20	20
Dissolved Oxygen	5/17/2023	100 %	100	100

Note: Upon completing the initial readings of the instruments, the instruments are adjusted to the calibration standard solutions that are being used at the time and at the current ambient temperature.

Attachment 4
Historical Water Quality Data and Graphs

DELLAVALLE™
LABORATORY INC

1910 W. McKinley Avenue, Suite 110 ● Fresno, California 93728-1298
Phone (559) 233-6129 ● (800) 228-9896 ● Fax (559) 268-8174
Website: dellavallelab.com

DELLAVALLE™
LABORATORY INC

Historical Groundwater Quality Data
Castle Oaks Golf Course
City of Ione
R5-1993-0240-002

Sample ID	Date	Total Coliform Bacteria (TCO)	Fecal Coliform Bacteria (FCO)	Nitrate as N (NO_3-N)	Ammonia as N (NH_4-N)	pH	EC	Total Dissolved Solids (TDS)	VOC	Dissolved Arsenic	Dissolved Iron	Dissolved Manganese	Chloride	Total Sodium	Total Arsenic	Total Iron	Total Manganese	TOC
Method/Analysis		SM 9221 B	SM 9221 E	EPA 300.0	SM 4500	SM 4500-H+	SM 2510 B	SM 2540 C	EPA 524.2	EPA 200.8	EPA 200.7	EPA 200.7	EPA 300.0	EPA 200.7	EPA 200.8	EPA 200.7	EPA 200.7	SM 5310 B
Units:		MPN/100ml	MPN/100ml	mg/L	mg/L	units	umhs/cm	mg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MCL		**2.2**	**2.2**	**10**			**900-1600**	**500**		**0.010**	**0.3**	**0.05**	**250**		**0.010**	**0.3**	**0.05**	
MW1	11/30/01	4																
MW1	3/20/02	8		3.5	ND			353										
MW1	6/12/02	4		3.8	ND			342										
MW1	9/17/02	ND		0.5	ND			337										
MW1	12/9/02	ND		2.4	ND			384										
MW1	3/28/03	17		2.6	ND			381										
MW1	6/17/03	ND		8.9	ND			392										
MW1	10/1/03	2	ND	2.0	ND			332										
MW1	12/31/03	ND	ND	2.3	ND			370										
MW1	3/31/04	ND	ND	6.2	ND			370								0.41	0.02	
MW1	6/30/04	ND	ND	3.2	ND			335								0.25	ND	
MW1	9/30/04	ND	ND	1.2	ND			282								0.26	ND	
MW1	1/3/05	ND	ND	4.3	ND			332			ND	ND			0.0036	11.0	0.18	ND
MW1	4/5/05	2	ND	20.0	ND			405			ND	ND			ND	ND	ND	NM
MW1	7/1/05	2	ND	4.7	ND			344			ND	ND			ND	ND	ND	NM
MW1	10/21/05	2	ND	1.2	ND			317			ND	ND			ND	ND	ND	1.3
MW1	3/8/06	4	ND	8.0	ND			354			ND	ND			ND	ND	ND	0.84
MW1	5/30/06	ND	ND	7.2	ND			359			ND	ND			ND	0.139	ND	1.4
MW1	8/30/06	ND	ND	2.5	ND			300			ND	ND	47	34	ND	ND	ND	0.68
MW1	12/8/06	ND	ND	4.1	ND			411			ND	ND	51	27	0.0048	4.6	0.17	0.39
MW1	3/8/07	ND	ND	4.6	ND			382			ND	ND	51	26.9	ND	ND	ND	0.91

DELLAVALLE™
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Historical Groundwater Quality Data
Castle Oaks Golf Course
City of Ione
R5-1993-0240-002

Sample ID	Date	Total Coliform Bacteria (TCO)	Fecal Coliform Bacteria (FCO)	Nitrate as N (NO_3-N)	Ammonia as N (NH_4-N)	pH	EC	Total Dissolved Solids (TDS)	VOC	Dissolved Arsenic	Dissolved Iron	Dissolved Manganese	Chloride	Total Sodium	Total Arsenic	Total Iron	Total Manganese	TOC
Method/Analysis		SM 9221 B	SM 9221 E	EPA 300.0	SM 4500	SM 4500-H+	SM 2510 B	SM 2540 C	EPA 524.2	EPA 200.8	EPA 200.7	EPA 200.7	EPA 300.0	EPA 200.7	EPA 200.8	EPA 200.7	EPA 200.7	SM 5310 B
Units:		MPN/100ml	MPN/100ml	mg/L	mg/L	units	umhs/cm	mg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MCL		**2.2**	**2.2**	**10**			**900-1600**	**500**		**0.010**	**0.3**	**0.05**	**250**		**0.010**	**0.3**	**0.05**	
MW1	6/19/07	ND	ND	5.6	ND			377			ND	ND	46	37	ND	0.085	ND	0.72
MW1	9/27/07	ND	ND	3.2	ND			363			ND	ND	72	36	ND	ND	ND	0.98
MW1	12/13/07	ND	ND	4.4	ND			439			ND	ND			0.0043	12.4	0.24	0.61
MW1	6/30/08	ND	ND	5.8	ND			357			ND	ND	78	34	ND	0.490	0.095	0.82
MW1	11/30/08	ND	ND	5.2	ND			385			ND	ND	58	27	0.055	13.60	0.205	0.62
MW1	12/31/08	ND	ND	5.4	ND			374			ND	ND	60	27	0.003	9.98	0.142	0.29
MW1	3/12/09	14	ND	7.6	ND			376			ND	ND	60	27	ND	0.173	ND	0.50
MW1	6/17/09	ND	ND	7.1	0.04			370		ND	ND	0.024	72	32				0.63
MW1	9/22/09	ND	ND	5.7	0.025			340		ND	ND	ND						
MW1	12/15/09	ND	ND	6.0	ND			360		ND	ND	ND						
MW1	3/24/10	14	ND	6.9	0.049			380		ND	0.076	0.0042						
MW1	6/23/10	4	ND	6.3	ND			380		ND	0.022	0.0038						
MW1	9/24/10	280	ND	3.8	ND			420		ND	0.047	0.0030						
MW1	12/14/10	2.0		5.0	ND			360		ND	ND	0.0013						
MW1	3/29/11	23		11.0	0.059			360		ND	0.084	0.0019						
MW1	6/22/11	Bent closed unable to sample																
MW1	9/15/11	30		5.9	ND			410		ND	0.0054	ND						
MW1	12/13/11	80	ND	5.7	ND			390		0.0089	0.0057	ND						
MW1	3/22/12	ND		6.2	ND			350		ND	0.0220	0.0011						
MW1	6/27/12	8.0	ND	5.7	ND			390		ND	0.0067	ND						
MW1	9/25/12	ND		5.4	ND			370		ND	ND	0.0031						

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Historical Groundwater Quality Data
Castle Oaks Golf Course
City of Ione
R5-1993-0240-002

Sample ID	Date	Total Coliform Bacteria (TCO)	Fecal Coliform Bacteria (FCO)	Nitrate as N (NO_3-N)	Ammonia as N (NH_4-N)	pH	EC	Total Dissolved Solids (TDS)	VOC	Dissolved Arsenic	Dissolved Iron	Dissolved Manganese	Chloride	Total Sodium	Total Arsenic	Total Iron	Total Manganese	TOC
Method/Analysis		SM 9221 B	SM 9221 E	EPA 300.0	SM 4500	SM 4500-H+	SM 2510 B	SM 2540 C	EPA 524.2	EPA 200.8	EPA 200.7	EPA 200.7	EPA 300.0	EPA 200.7	EPA 200.8	EPA 200.7	EPA 200.7	SM 5310 B
Units:		MPN/100ml	MPN/100ml	mg/L	mg/L	units	umhs/cm	mg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MCL		**2.2**	**2.2**	**10**			**900-1600**	**500**		**0.010**	**0.3**	**0.05**	**250**		**0.010**	**0.3**	**0.05**	
MW1	12/18/12	ND		5.6	ND			320		ND	ND	ND						
MW1	3/11/13	33		5.5	ND			360		ND	0.039	ND						
MW1	6/26/13	22		5.4	0.025			300		ND	0.220	0.016						
MW1	9/13/13	50		6.2	0.019			350		ND	0.520	0.099						
MW1	12/12/13	4.0		6.3	0.061			360		ND	0.036	0.033						
MW1	3/5/14	> 1600		5.5	0.029			260		ND	1.300	0.110						
MW1	6/16/14	ND		7.1	ND			360		0.0130	ND	0.011						
MW1	9/17/14	23		5.4	ND			340		ND	0.088	0.0042						
MW1	12/19/14	50		4.3	ND			330		ND	ND	ND						
MW1	3/23/15	ND		7.1	ND			420		ND	ND	ND						
MW1	6/10/15	ND		6.9	ND			440		ND	ND	ND						
MW1	9/16/15	2.0		4.0	ND			380		0.00078	ND	ND						
MW1	12/15/15	13		5.0	ND			410		0.00043	ND	ND						
MW1	3/29/16	ND		14.0	ND			480		ND	ND	ND						
MW1	6/20/16	1.8		7.3	0.025			420		0.00038	0.030	0.0040						
MW1	9/7/16	2.0		6.7	ND			380		ND	ND	0.010						
MW1	12/7/16	ND		6.2	ND			360		ND	0.140	0.011						
MW1	3/8/17	2.0		19.0	ND			410		ND	ND	0.00025						
MW1	6/15/17	ND		9.9	0.098			440		ND	ND	0.00060						
MW1	9/14/17	ND		5.8	ND			370		0.00099	ND	0.00023						

DELLAVALLE™
LABORATORY INC

Historical Groundwater Quality Data
Castle Oaks Golf Course
City of Ione
R5-1993-0240-002

Sample ID	Date	Total Coliform Bacteria (TCO)	Fecal Coliform Bacteria (FCO)	Nitrate as N (NO_3-N)	Ammonia as N (NH_4-N)	pH	EC	Total Dissolved Solids (TDS)	VOC	Dissolved Arsenic	Dissolved Iron	Dissolved Manganese	Chloride	Total Sodium	Total Arsenic	Total Iron	Total Manganese	TOC
Method/Analysis		SM 9221 B	SM 9221 E	EPA 300.0	SM 4500	SM 4500-H+	SM 2510 B	SM 2540 C	EPA 524.2	EPA 200.8	EPA 200.7	EPA 200.7	EPA 300.0	EPA 200.7	EPA 200.8	EPA 200.7	EPA 200.7	SM 5310 B
Units:		MPN/100ml	MPN/100ml	mg/L	mg/L	units	umhs/cm	mg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MCL		**2.2**	**2.2**	**10**			**900-1600**	**500**		**0.010**	**0.3**	**0.05**	**250**		**0.010**	**0.3**	**0.05**	
MW1	12/6/17	2.0		7.1	0.028			360		ND	ND	0.00042						
MW1	3/9/18	8		7.9	0.024			360		0.00040	ND	0.0028						
MW1	6/15/18	220		7.5	0.025			440		ND	ND	0.00048						
MW1	9/17/18	920		7.0	0.075			350		0.00043	ND	0.016						
MW1	12/17/18	49		7.0	0.23			390		ND	ND	0.00089						
MW1	3/18/19	920		9.9	ND			380		0.00039	ND	0.0037						
MW1	5/13/19	920		8.5	0.11			370		ND	0.036	0.0021						
MW1	9/16/19	350		4.0	0.096			330		0.00046	0.14	0.0040						
MW1	12/16/19	920		7.1	ND			300		0.00074	ND	0.0120						
MW1	3/16/19	920		14.0	0.072			270		ND	0.11	0.0043						
MW1	6/16/20	920		6.8	0.080			350		ND	0.048	0.018						
MW1	9/14/20	240		7.0	0.081			370		0.00058	ND	0.053						
MW1	12/15/20	9.3		6.6	0.089			290		0.00040	ND	0.017						
MW1	3/17/21	34		6.6	0.086			340		ND	ND	0.019						
MW1	6/22/21	ND		6.5	0.087			370		0.00003	ND	0.007						
MW1	9/21/21	79		7.5	0.087			350		0.00073	ND	0.0085						
MW1	12/14/21	920		8.9	ND			220		0.00047	0.049	0.033						
MW1	3/16/22	17		7.3	0.074			310		ND	ND	0.0010						
MW1	6/15/22	ND		8.0	0.11			380		ND	ND	0.0029						

DELLAVALLE™
LABORATORY INC

Historical Groundwater Quality Data
Castle Oaks Golf Course
City of Ione
R5-1993-0240-002

Sample ID	Date	Total Coliform Bacteria (TCO)	Fecal Coliform Bacteria (FCO)	Nitrate as N (NO_3-N)	Ammonia as N (NH_4-N)	pH	EC	Total Dissolved Solids (TDS)	VOC	Dissolved Arsenic	Dissolved Iron	Dissolved Manganese	Chloride	Total Sodium	Total Arsenic	Total Iron	Total Manganese	TOC
Method/Analysis		SM 9221 B	SM 9221 E	EPA 300.0	SM 4500	SM 4500-H+	SM 2510 B	SM 2540 C	EPA 524.2	EPA 200.8	EPA 200.7	EPA 200.7	EPA 300.0	EPA 200.7	EPA 200.8	EPA 200.7	EPA 200.7	SM 5310 B
Units:		MPN/100ml	MPN/100ml	mg/L	mg/L	units	umhs/cm	mg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MCL		**2.2**	**2.2**	**10**			**900-1600**	**500**		**0.010**	**0.3**	**0.05**	**250**		**0.010**	**0.3**	**0.05**	
MW1	9/22/22	350		9.0	ND			370		0.00077	ND	0.0044						
MW1	11/28/22	1.1		6.8	ND	7.0	751	337		ND	ND	ND						
MW1	3/2/23	17		10.7	ND	6.8	574	347	ND	ND	ND	ND						
MW1	5/17/23	<1.8		7.7	ND	6.9	585	310	ND	ND	ND	ND						

NM - Not Measured
ND - Not Detected

DELLAVALLE™
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Historical Groundwater Quality Data
Castle Oaks Golf Course
City of Ione
R5-1993-0240-002

Sample ID	Date	Total Coliform Bacteria (TCO)	Fecal Coliform Bacteria (FCO)	Nitrate as N (NO_3-N)	Ammonia as N (NH_4-N)	pH	EC	Total Dissolved Solids (TDS)	VOC	Dissolved Arsenic	Dissolved Iron	Dissolved Manganese	Chloride	Total Sodium	Total Arsenic	Total Iron	Total Manganese	TOC
Method/Analysis		SM 9221 B	SM 9221 E	EPA 300.0	SM 4500	SM 4500-H+	SM 2510 B	SM 2540 C	EPA 524.2	EPA 200.8	EPA 200.7	EPA 200.7	EPA 300.0	EPA 200.7	EPA 200.8	EPA 200.7	EPA 200.7	SM 5310 B
Units:		MPN/100ml	MPN/100ml	mg/L	mg/L	units	umhs/cm	mg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MCL		**2.2**	**2.2**	**10**			**900-1600**	**500**		**0.010**	**0.3**	**0.05**	**250**		**0.010**	**0.3**	**0.05**	
MW2	11/30/01	ND																
MW2	3/20/02	ND		1.20	ND			901										
MW2	6/12/02	ND		0.70	ND			984										
MW2	9/17/02	ND		0.62	ND			1060										
MW2	12/9/02	ND		0.36	ND			1090										
MW2	3/28/03	ND		0.80	ND			832										
MW2	6/17/03	> 2400		0.85	ND			942										
MW2	10/1/03	2	ND	0.29	ND			1040										
MW2	12/31/03	2	ND	0.20	ND			829										
MW2	3/31/04	ND	ND	0.59	ND			800								0.37	0.03	
MW2	6/30/04	ND	ND	0.66	ND			938								0.16	ND	
MW2	9/30/04	ND	ND	0.46	ND			1010								0.23	ND	
MW2	1/3/05	2	ND	0.43	ND			833			0.060	ND			ND	0.25	ND	1.7
MW2	4/5/05	2	ND	4.30	ND			912			ND	ND			ND	0.07	ND	
MW2	7/1/05	ND	ND	13.00	ND			1190			ND	ND			ND	0.06	ND	
MW2	10/21/05	ND	ND	4.20	ND			1700			ND	0.030			ND	ND	ND	4.4
MW2	3/8/06	ND	ND	6.90	ND			1190			ND	0.020			ND	1.44	0.02	3.5
MW2	5/30/06	ND	ND	7.00	ND			977			ND	ND			ND	0.232	0.020	2.3
MW2	8/23/06	ND	ND	6.30	ND			1250			ND	0.021	160	87	ND	0.1	0.025	4.0
MW2	12/8/06	ND	ND	1.80	ND			1360			ND	0.020	175	82	ND	ND	0.025	2.7
MW2	3/8/07	ND	ND	1.00	ND			1370			ND	ND	177	81	ND	ND	ND	2.9
MW2	6/19/07	ND	ND	0.31	ND			1250			ND	0.009	154	91	ND	ND	0.0095	2.8
MW2	9/27/07	ND	ND	0.19	ND			1140			ND	0.013	155	100	ND	0.025	0.012	2.6
MW2	12/13/07	ND	ND	0.16	ND			1030			0.052	0.014			ND	0.2	0.017	2.0
MW2	6/30/08	ND	ND	0.10	ND			1020			ND	0.016	135	88	ND	0.12	0.018	2.4

DELLAVALLE™
LABORATORY INC

Historical Groundwater Quality Data
Castle Oaks Golf Course
City of Ione
R5-1993-0240-002

Sample ID	Date	Total Coliform Bacteria (TCO)	Fecal Coliform Bacteria (FCO)	Nitrate as N (NO_3-N)	Ammonia as N (NH_4-N)	pH	EC	Total Dissolved Solids (TDS)	VOC	Dissolved Arsenic	Dissolved Iron	Dissolved Manganese	Chloride	Total Sodium	Total Arsenic	Total Iron	Total Manganese	TOC
Method/Analysis		SM 9221 B	SM 9221 E	EPA 300.0	SM 4500	SM 4500-H+	SM 2510 B	SM 2540 C	EPA 524.2	EPA 200.8	EPA 200.7	EPA 200.7	EPA 300.0	EPA 200.7	EPA 200.8	EPA 200.7	EPA 200.7	SM 5310 B
Units:		MPN/100ml	MPN/100ml	mg/L	mg/L	units	umhs/cm	mg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MCL		**2.2**	**2.2**	**10**			**900-1600**	**500**		**0.010**	**0.3**	**0.05**	**250**		**0.010**	**0.3**	**0.05**	
MW2	11/30/08	ND	ND	0.08	ND			1,010			0.022	0.018	142	90	ND	0.056	0.018	2.4
MW2	12/31/08	ND	17	0.16	ND			969			ND	0.021	134	92	0.0024	8.74	0.093	1.7
MW2	3/12/09	ND	ND	0.14	ND			947			0.053	0.018	156	81	ND	0.506	0.020	1.9
MW2	6/17/09	ND	ND	0.19	0.027			1100		ND	0.053	0.028	160	83				1.8
MW2	9/22/09	ND	ND	0.10	ND			1100		0.020	0.190	0.036						
MW2	12/15/09	ND	ND	0.17	0.029			870		ND	0.300	0.034						
MW2	3/24/10	ND	ND	0.16	0.034			920		ND	0.110	0.029						
MW2	6/23/10	900	240	0.26	ND			1100		ND	0.087	0.029						
MW2	9/24/10	> 1600	2	0.32	ND			1300		ND	0.16	0.033						
MW2	12/14/10	> 1600		0.06	ND			940		ND	0.31	0.032						
MW2	3/29/11	ND		0.58	ND			1100		ND	0.029	0.037						
MW2	6/23/11	500		2.50	ND			1100		ND	ND	0.036						
MW2	9/15/11	ND		0.25	ND			1200		ND	ND	0.033						
MW2	12/13/11	40	ND	0.18	ND			980		0.013	0.0170	0.034						
MW2	3/22/12	17		0.27	ND			810		0.0089	0.0220	0.027						
MW2	6/27/12	4.0	ND	0.19	0.025			1100		ND	ND	0.034						
MW2	9/25/12	11		0.13	ND			1100		ND	0.130	0.035						
MW2	12/18/12	ND		0.09	ND			830		ND	0.120	0.033						
MW2	3/11/13	ND		0.13	ND			960		ND	0.076	0.036						
MW2	6/26/13	26		0.07	0.11			1000		0.0096	0.430	0.031						
MW2	9/13/13	ND		0.12	ND			1000		ND	0.290	0.024						
MW2	12/12/13	ND		0.21	0.039			960		ND	1.100	0.095						
MW2	3/5/14	ND		0.11	0.034			770		0.013	0.044	0.011						
MW2	6/16/14	ND		0.15	ND			980		0.018	ND	0.0091						
MW2	9/17/14	ND		0.14	ND			820		ND	0.059	0.019						

DELLAVALLE™
LABORATORY INC

Historical Groundwater Quality Data
Castle Oaks Golf Course
City of Ione
R5-1993-0240-002

Sample ID	Date	Total Coliform Bacteria (TCO)	Fecal Coliform Bacteria (FCO)	Nitrate as N (NO_3-N)	Ammonia as N (NH_4-N)	pH	EC	Total Dissolved Solids (TDS)	VOC	Dissolved Arsenic	Dissolved Iron	Dissolved Manganese	Chloride	Total Sodium	Total Arsenic	Total Iron	Total Manganese	TOC
Method/Analysis		SM 9221 B	SM 9221 E	EPA 300.0	SM 4500	SM 4500-H+	SM 2510 B	SM 2540 C	EPA 524.2	EPA 200.8	EPA 200.7	EPA 200.7	EPA 300.0	EPA 200.7	EPA 200.8	EPA 200.7	EPA 200.7	SM 5310 B
Units:		MPN/100ml	MPN/100ml	mg/L	mg/L	units	umhs/cm	mg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MCL		**2.2**	**2.2**	**10**			**900-1600**	**500**		**0.010**	**0.3**	**0.05**	**250**		**0.010**	**0.3**	**0.05**	
MW2	12/19/14	ND		0.14	ND			600		ND	ND	0.011						
MW2	3/23/15	4.0		0.08	ND			840		ND	ND	0.014						
MW2	6/10/15	ND		0.09	ND			900		0.00059	ND	0.020						
MW2	9/16/15	ND		0.11	ND			920		0.00065	ND	0.022						
MW2	12/15/15	ND		0.06	ND			960		0.00052	ND	0.0044						
MW2	3/29/16	170		0.34	ND			940		ND	ND	0.014						
MW2	6/20/16	ND		0.30	1.2			1000		ND	ND	0.015						
MW2	9/7/16	ND		0.21	0.033			1000		ND	ND	0.023						
MW2	12/7/16	ND		0.21	ND			960		0.00044	ND	0.033						
MW2	3/8/17	ND		1.30	ND			1100		ND	ND	0.0070						
MW2	6/15/17	ND		5.90	0.083			1500		0.00087	ND	0.019						
MW2	9/14/17	ND		0.98	ND			1400		0.0010	ND	0.029						
MW2	12/6/17	13		0.65	0.057			1100		0.00057	ND	0.034						
MW2	3/9/18	5		0.65	0.057			1100		0.00057	ND	0.034						
MW2	6/15/18	650		0.46	0.028			1200		ND	ND	0.024						
MW2	9/17/18	79		0.10	0.092			1200		0.00078	0.084	0.023						
MW2	12/17/18	7.8		0.12	0.10			920		0.00038	ND	0.024						
MW2	3/18/19	170		0.92	ND			960		0.00043	ND	0.011						
MW2	5/13/19	240		2.60	0.071			980		ND	0.20	0.018						
MW2	9/16/19	920		0.40	0.10			1100		ND	ND	0.023						
MW2	12/16/19	540		0.41	ND			960		0.00073	0.068	0.035						
MW2	3/16/20	8.2		0.24	ND			1100		ND	0.075	0.032						
MW2	6/16/20	350		4.00	ND			1000		ND	0.074	0.048						
MW2	9/14/20	280		0.26	0.079			1100		ND	ND	0.022						
MW2	12/15/20	20		0.13	0.039			1100		ND	ND	0.022						

DELLAVALLE™
LABORATORY INC

Historical Groundwater Quality Data
Castle Oaks Golf Course
City of Ione
R5-1993-0240-002

Sample ID	Date	Total Coliform Bacteria (TCO)	Fecal Coliform Bacteria (FCO)	Nitrate as N (NO_3-N)	Ammonia as N (NH_4-N)	pH	EC	Total Dissolved Solids (TDS)	VOC	Dissolved Arsenic	Dissolved Iron	Dissolved Manganese	Chloride	Total Sodium	Total Arsenic	Total Iron	Total Manganese	TOC
Method/Analysis		SM 9221 B	SM 9221 E	EPA 300.0	SM 4500	SM 4500-H+	SM 2510 B	SM 2540 C	EPA 524.2	EPA 200.8	EPA 200.7	EPA 200.7	EPA 300.0	EPA 200.7	EPA 200.8	EPA 200.7	EPA 200.7	SM 5310 B
Units:		MPN/100ml	MPN/100ml	mg/L	mg/L	units	umhs/cm	mg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MCL		**2.2**	**2.2**	**10**			**900-1600**	**500**		**0.010**	**0.3**	**0.05**	**250**		**0.010**	**0.3**	**0.05**	
MW2	3/17/21	130		0.20	0.070			860		ND	ND	0.034						
MW2	6/22/21	240		0.16	0.11			920		0.00057	ND	0.029						
MW2	9/21/21	170		0.51	0.63			880		ND	ND	0.024						
MW2	12/14/21	350		0.47	ND			680		0.00062	ND	0.0038						
MW2	3/16/22	26		0.46	0.068			750		ND	ND	0.0056						
MW2	6/15/22	33		0.38	0.11			870		ND	ND	0.023						
MW2	9/22/22	NM		0.33	0.07			920		0.00069	ND	0.016						
MW2	11/28/22	ND		0.30	ND	6.3	1440	890		ND	ND	ND						
MW2	03/02/23	ND		1.90	ND	6.0	1430	850	ND	ND	ND	ND						
MW2	05/17/23	<1.8		3.40	ND	5.9	1740	923	ND	ND	ND	ND						

NM - Not Measured
ND - Not Detected

DELLAVALLE™
LABORATORY INC

Historical Groundwater Quality Data
Castle Oaks Golf Course
City of Ione
R5-1993-0240-002

Sample ID	Date	Total Coliform Bacteria (TCO)	Fecal Coliform Bacteria (FCO)	Nitrate as N (NO_3-N)	Ammonia as N (NH_4-N)	pH	EC	Total Dissolved Solids (TDS)	VOC	Dissolved Arsenic	Dissolved Iron	Dissolved Manganese	Chloride	Total Sodium	Total Arsenic	Total Iron	Total Manganese	TOC
Method/Analysis		SM 9221 B	SM 9221 E	EPA 300.0	SM 4500	SM 4500-H+	SM 2510 B	SM 2540 C	EPA 524.2	EPA 200.8	EPA 200.7	EPA 200.7	EPA 300.0	EPA 200.7	EPA 200.8	EPA 200.7	EPA 200.7	SM 5310 B
Units:		MPN/100ml	MPN/100ml	mg/L	mg/L	units	umhs/cm	mg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MCL		**2.2**	**2.2**	**10**			**900-1600**	**500**		**0.010**	**0.3**	**0.05**	**250**		**0.010**	**0.3**	**0.05**	
MW3	11/30/01	ND																
MW3	3/20/02	ND		0.15	ND			350										
MW3	6/12/02	ND		ND	ND			307										
MW3	9/17/02	ND		ND	ND			297										
MW3	12/9/02	ND		0.20	ND			289										
MW3	3/28/03	ND		0.12	ND			219										
MW3	6/17/03	ND		0.17	ND			280										
MW3	10/1/03	ND	ND	0.06	ND			278										
MW3	12/31/03	ND	ND	0.07	ND			358										
MW3	3/31/04	ND	ND	0.15	ND			290								15.8	0.18	
MW3	6/30/04	ND	ND	0.07	ND			283								22.8	0.13	
MW3	9/30/04	ND	ND	ND	ND			259								11.0	0.13	
MW3	1/3/05	ND	ND	0.20	ND			232			3.07	0.120			0.0089	8.1	0.12	3.8
MW3	4/5/05	ND	ND	0.21	ND			291			1.95	0.120			0.014	3.88	0.12	
MW3	7/1/05	ND	ND	ND	ND			292			1.21	0.130			0.017	6.22	0.16	
MW3	10/21/05	> 2400	ND	0.09	ND			249			4.70	0.130			0.011	9.20	0.13	6.1
MW3	3/8/06	ND	ND	0.11	ND			290			2.30	0.130			0.0074	2.3	0.14	2.8
MW3	5/24/06	ND	ND	ND	ND			306			1.03	0.099			0.026	48.2	0.192	4.4
MW3	8/23/06	ND	ND	ND	ND			256			4.20	0.130	26	31	0.0074	5.8	0.13	5.9
MW3	12/8/06	ND	ND	ND	ND			294			4.30	0.120	26	32	0.0057	7.2	0.13	5.7
MW3	3/8/07	ND	ND	0.30	ND			337			2.17	0.148	30	30.1	0.0077	4.7	0.15	3.7
MW3	6/19/07	ND	ND	0.19	ND			382			3.70	0.130	33	39	0.005	5.6	0.14	2.9
MW3	9/27/07	ND	ND	0.13	ND			321			4.00	0.130	35	34	0.011	4.4	0.14	2.7
MW3	12/13/07	ND	ND	0.09	ND			358			2.90	0.140	NM	NM	0.012	7.3	0.14	2.3
MW3	6/30/08	ND	ND	0.10	ND			287			3.00	0.110	35	32	0.020	24.00	0.16	2.0

DELLAVALLE™
LABORATORY INC

Historical Groundwater Quality Data
Castle Oaks Golf Course
City of Ione
R5-1993-0240-002

Sample ID	Date	Total Coliform Bacteria (TCO)	Fecal Coliform Bacteria (FCO)	Nitrate as N (NO_3-N)	Ammonia as N (NH_4-N)	pH	EC	Total Dissolved Solids (TDS)	VOC	Dissolved Arsenic	Dissolved Iron	Dissolved Manganese	Chloride	Total Sodium	Total Arsenic	Total Iron	Total Manganese	TOC
Method/Analysis		SM 9221 B	SM 9221 E	EPA 300.0	SM 4500	SM 4500-H+	SM 2510 B	SM 2540 C	EPA 524.2	EPA 200.8	EPA 200.7	EPA 200.7	EPA 300.0	EPA 200.7	EPA 200.8	EPA 200.7	EPA 200.7	SM 5310 B
Units:		MPN/100ml	MPN/100ml	mg/L	mg/L	units	umhs/cm	mg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MCL		**2.2**	**2.2**	**10**			**900-1600**	**500**		**0.010**	**0.3**	**0.05**	**250**		**0.010**	**0.3**	**0.05**	
MW3	11/30/08	ND	ND	0.29	ND			424			2.94	0.118	36	31	0.012	11.40	0.14	2.0
MW3	12/31/08	ND	ND	ND	ND			320			2.18	0.140	36	33	0.0056	3.73	0.125	1.3
MW3	3/12/09	ND	ND	0.07	ND			313			2.15	0.129	34	29	0.0056	5.340	0.128	1.50
MW3	6/17/09	ND	ND	0.21	0.091			350		ND	2.20	0.091	31	30				3.0
MW3	9/22/09	ND	ND	0.08	0.095			340		ND	2.80	0.120						
MW3	12/15/09	ND	ND	0.08	0.13			350		ND	1.00	0.100						
MW3	3/24/10	2	ND	0.09	0.1			310		ND	3.10	0.120						
MW3	6/23/10	ND	ND	0.10	0.073			320		ND	3.20	0.110						
MW3	9/24/10	ND	ND	0.04	0.071			350		0.0078	2.60	0.120						
MW3	12/14/10	23		0.06	0.076			300		ND	3.70	0.097						
MW3	3/29/11	23		0.03	0.15			300		ND	3.50	0.100						
MW3	6/23/11	ND		0.13	0.080			310		0.0098	3.90	0.100						
MW3	9/15/11	110		0.08	0.11			360		0.0083	3.80	0.099						
MW3	12/13/11	500	ND	0.11	0.070			500		0.013	3.50	0.100						
MW3	3/22/12	300		0.20	0.088			340		0.0076	2.60	0.100						
MW3	6/27/12	2	ND	0.03	0.066			380		ND	3.10	0.100						
MW3	9/25/12	ND		0.10	0.066			390		ND	1.40	0.110						
MW3	12/18/12	ND		0.05	0.088			300		ND	3.00	0.095						
MW3	3/11/13	ND		0.12	0.036			380		ND	1.20	0.12						
MW3	6/26/13	300		0.05	0.14			400		ND	0.77	0.13						
MW3	9/13/13	ND		0.13	0.019			410		ND	0.41	0.13						
MW3	12/12/13	ND		0.04	0.10			410		ND	0.97	0.17						
MW3	3/5/14	23		0.20	0.068			300		ND	1.30	0.12						
MW3	6/16/14	ND		0.37	ND			410		0.0150	ND	0.13						
MW3	9/17/14	ND		0.18	ND			400		ND	0.32	0.15						

DELLAVALLE™
LABORATORY INC

Historical Groundwater Quality Data
Castle Oaks Golf Course
City of Ione
R5-1993-0240-002

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Method/Analysis		SM 9221 B	SM 9221 E	EPA 300.0	SM 4500	SM 4500-H+	SM 2510 B	SM 2540 C	EPA 524.2	EPA 200.8	EPA 200.7	EPA 200.7	EPA 300.0	EPA 200.7	EPA 200.8	EPA 200.7	EPA 200.7	SM 5310 B
Units:		MPN/100ml	MPN/100ml	mg/L	mg/L	units	umhs/cm	mg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MCL		**2.2**	**2.2**	**10**			**900-1600**	**500**		**0.010**	**0.3**	**0.05**	**250**		**0.010**	**0.3**	**0.05**	
MW3	12/19/14	ND		0.30	0.034			360		ND	0.84	0.11						
MW3	3/23/15	ND		0.14	ND			420		0.0027	0.76	0.098						
MW3	6/10/15	ND		0.24	ND			440		0.0026	0.64	0.096						
MW3	9/16/15	ND		0.11	0.031			410		0.0028	0.90	0.130						
MW3	12/15/15	ND		0.04	0.088			430		0.0035	0.83	0.093						
MW3	3/29/16	14		0.23	ND			400		ND	0.39	0.073						
MW3	6/20/16	ND		0.05	ND			440		0.0029	0.59	0.089						
MW3	9/7/16	ND		0.38	0.029			450		0.0020	0.37	0.120						
MW3	12/7/16	ND		0.17	0.044			400		0.0024	0.46	0.120						
MW3	3/7/17	ND		0.06	ND			370		0.0021	0.53	0.079						
MW3	6/15/17	ND		0.22	0.14			410		0.0026	0.68	0.084						
MW3	9/14/17	> 1600		0.05	0.16			410		0.0032	2.200	0.130						
MW3	12/6/17	540		0.40	0.038			440		0.0019	0.340	0.110						
MW3	3/9/18	10		0.69	0.059			480		0.0014	ND	0.086						
MW3	6/15/18	540		0.58	0.059			550		0.00074	ND	0.150						
MW3	9/17/18	49		0.60	0.12			490		0.0011	ND	0.17						
MW3	12/17/18	1600		0.54	0.210			500		ND	ND	0.31						
MW3	3/18/19	12		0.60	0.062			440		0.00078	ND	0.11						
MW3	5/13/19	> 1600		0.55	0.09			480		0.0010	ND	0.13						
MW3	9/16/19	920		0.97	0.11			550		0.00088	0.34	0.17						
MW3	12/16/19	920		0.92	ND			430		0.0011	0.13	0.14						
MW3	3/16/19	170		1.20	0.069			490		ND	0.065	0.14						
MW3	6/16/20	33		0.79	0.077			480		ND	0.053	0.16						
MW3	9/14/20	22		1.10	0.084			510		ND	ND	0.21						
MW3	12/15/20	27		1.70	0.11			490		ND	ND	0.21						

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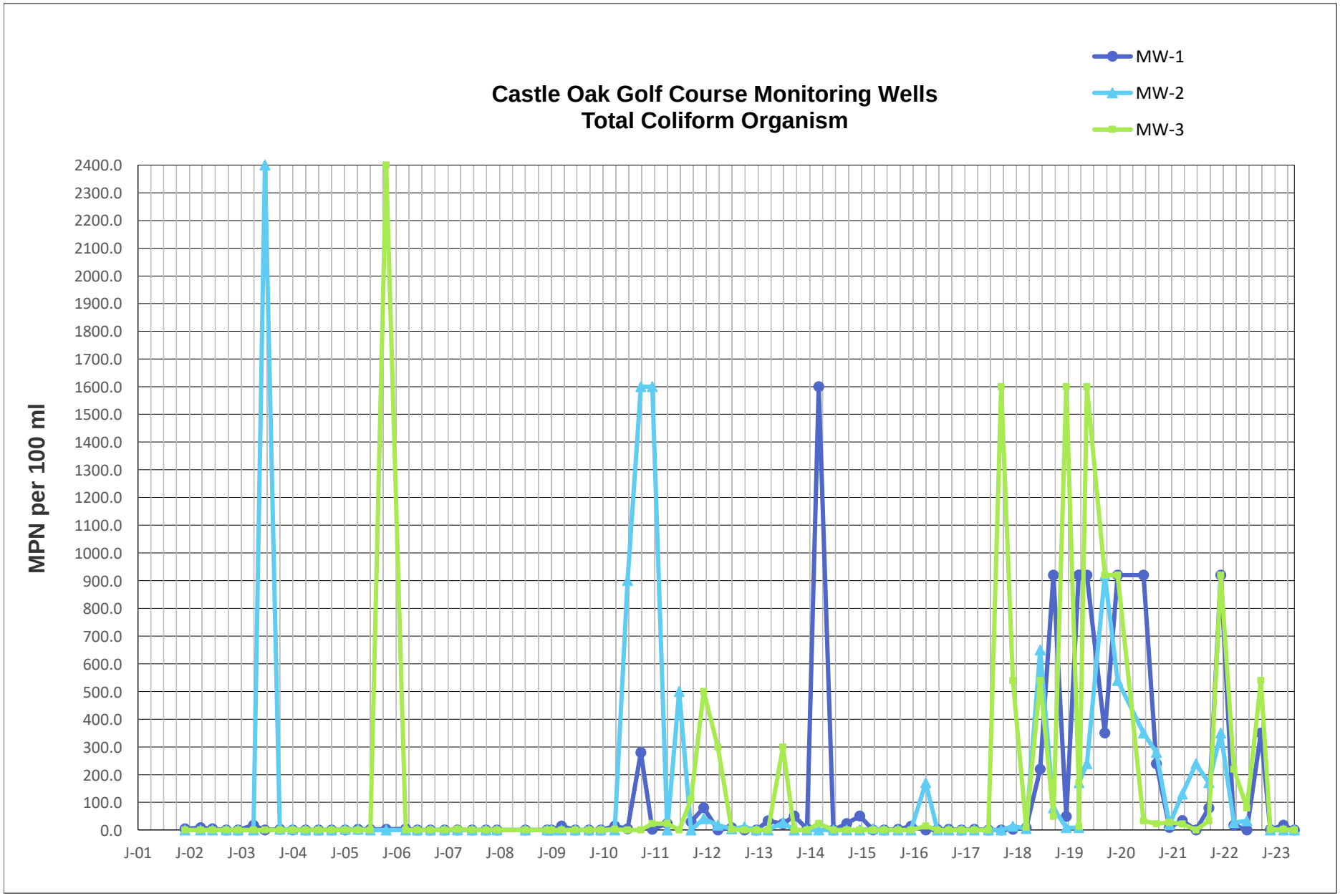
Historical Groundwater Quality Data
Castle Oaks Golf Course
City of Ione
R5-1993-0240-002

Sample ID	Date	Total Coliform Bacteria (TCO)	Fecal Coliform Bacteria (FCO)	Nitrate as N (NO_3-N)	Ammonia as N (NH_4-N)	pH	EC	Total Dissolved Solids (TDS)	VOC	Dissolved Arsenic	Dissolved Iron	Dissolved Manganese	Chloride	Total Sodium	Total Arsenic	Total Iron	Total Manganese	TOC
Method/Analysis		SM 9221 B	SM 9221 E	EPA 300.0	SM 4500	SM 4500-H+	SM 2510 B	SM 2540 C	EPA 524.2	EPA 200.8	EPA 200.7	EPA 200.7	EPA 300.0	EPA 200.7	EPA 200.8	EPA 200.7	EPA 200.7	SM 5310 B
Units:		MPN/100ml	MPN/100ml	mg/L	mg/L	units	umhs/cm	mg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MCL		**2.2**	**2.2**	**10**			**900-1600**	**500**		**0.010**	**0.3**	**0.05**	**250**		**0.010**	**0.3**	**0.05**	
MW3	3/17/21	21		1.40	0.071			470		ND	ND	0.080						
MW3	6/22/21	ND		1.50	0.14			530		0.00066	ND	0.11						
MW3	9/21/21	33		1.80	0.10			530		ND	ND	0.18						
MW3	12/14/21	920		0.85	0.17			460		0.0013	ND	0.13						
MW3	3/16/22	220		0.75	0.088			480		0.00074	ND	0.083						
MW3	6/15/22	79		1.00	0.088			560		0.00074	ND	0.11						
MW3	9/22/22	540		1.60	0.084			530		0.00083	ND	0.14						
MW3	11/28/22	1.1		0.70	ND	6.8	610	525		ND	ND	0.12						
MW3	03/02/23	2		0.70	ND	6.5	776	560	ND	ND	ND	0.11						
MW3	05/17/23	<1.8		1.10	ND	6.5	811	160	ND	ND	ND	0.14						

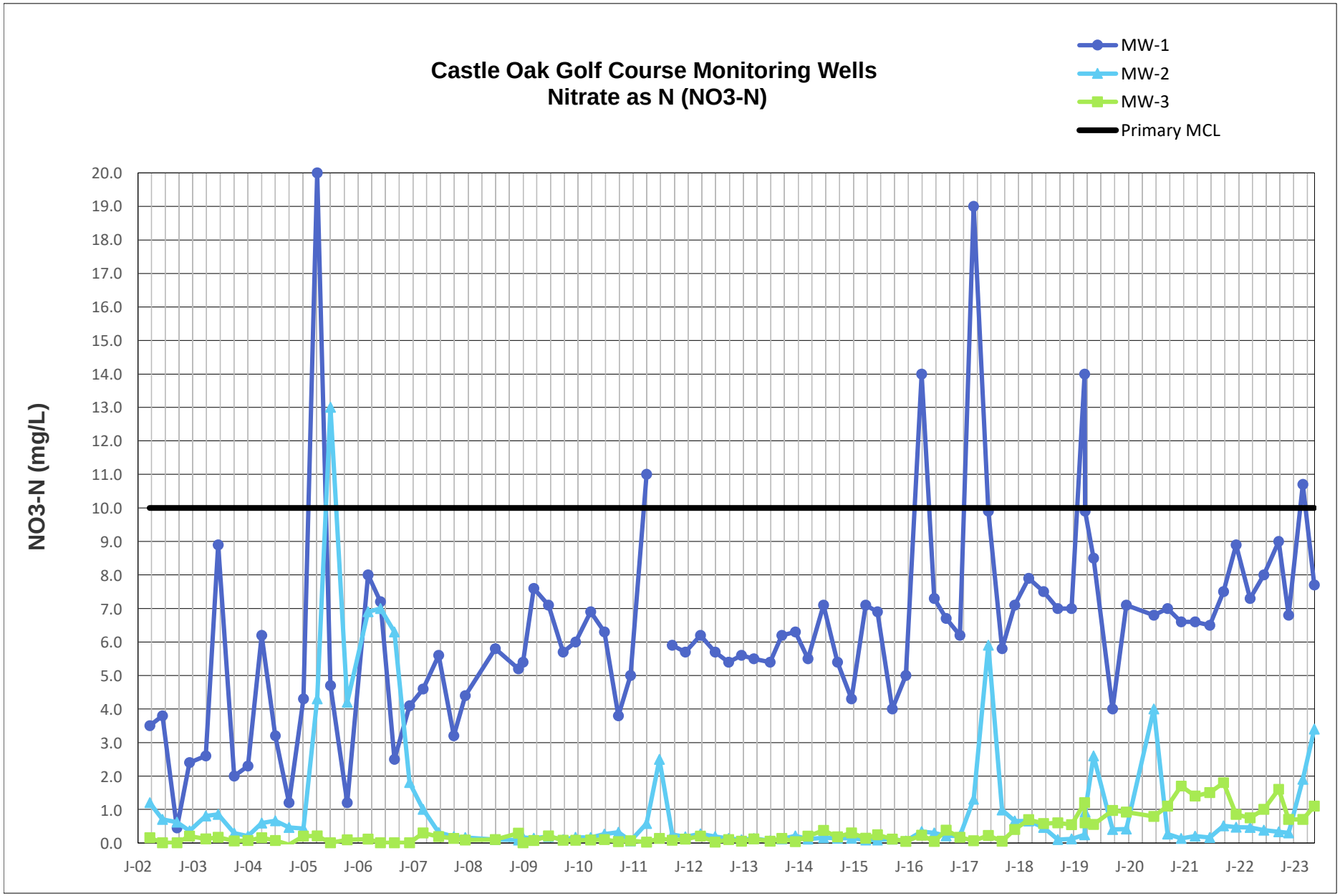
NM - Not Measured

ND - Not Detected

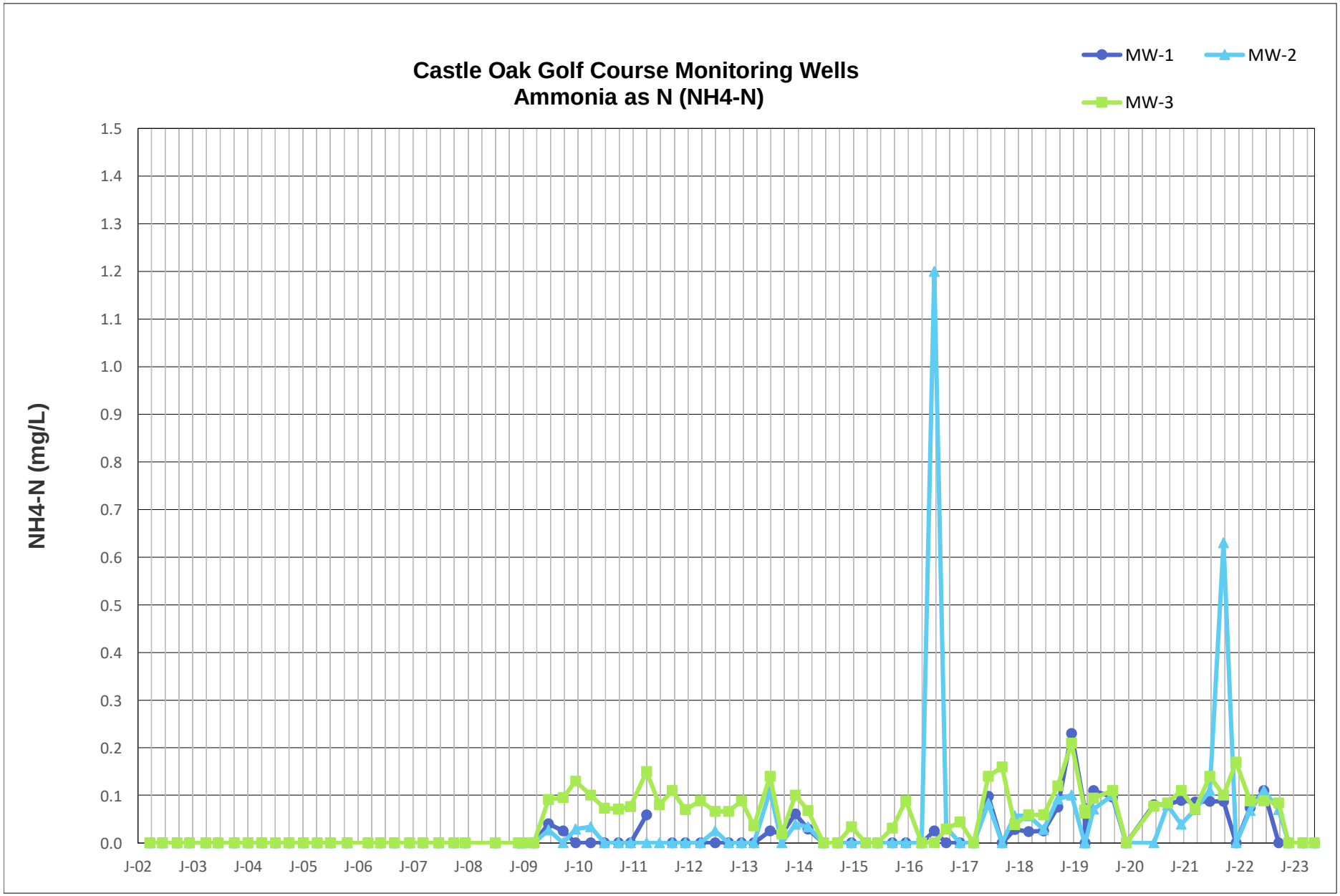
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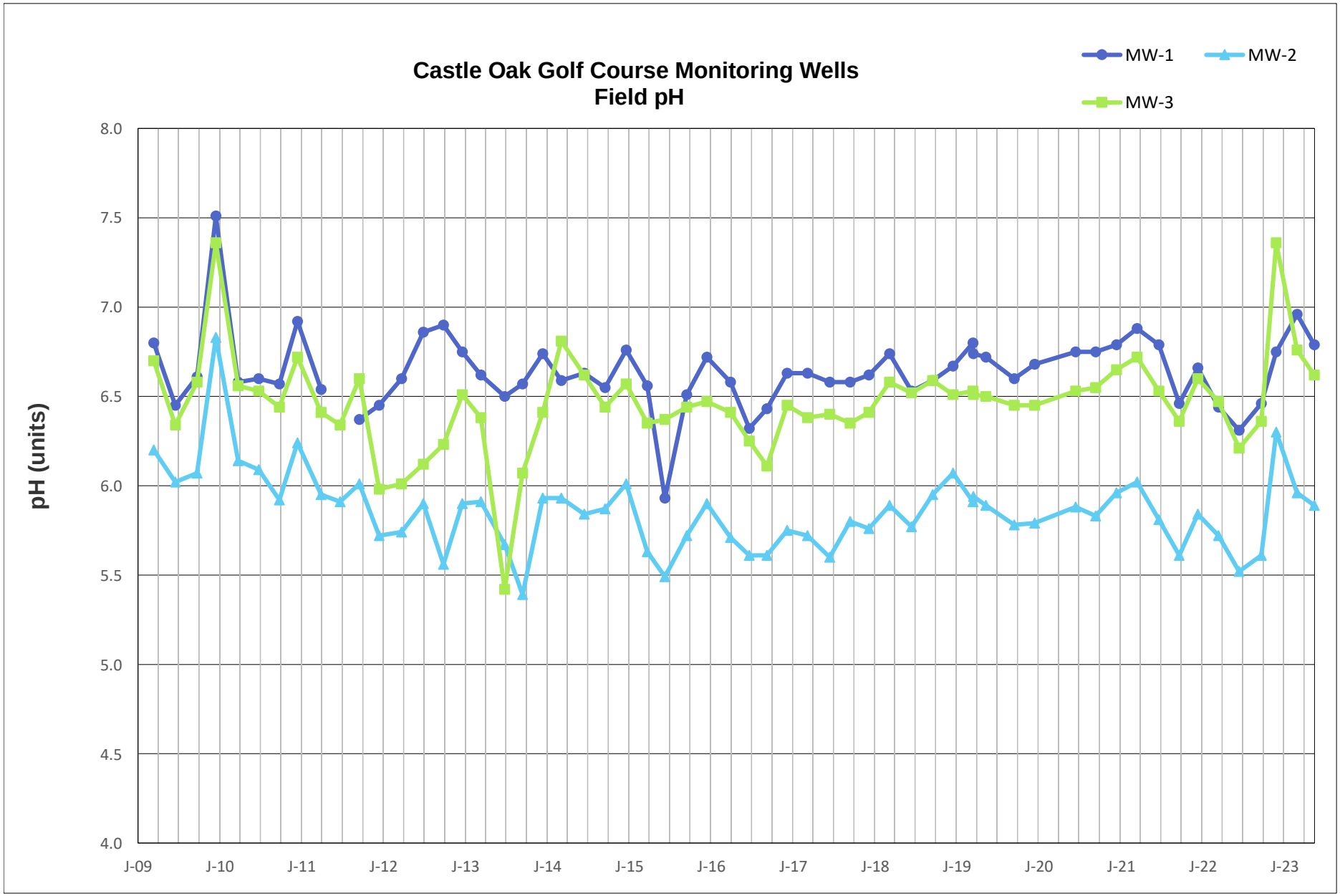
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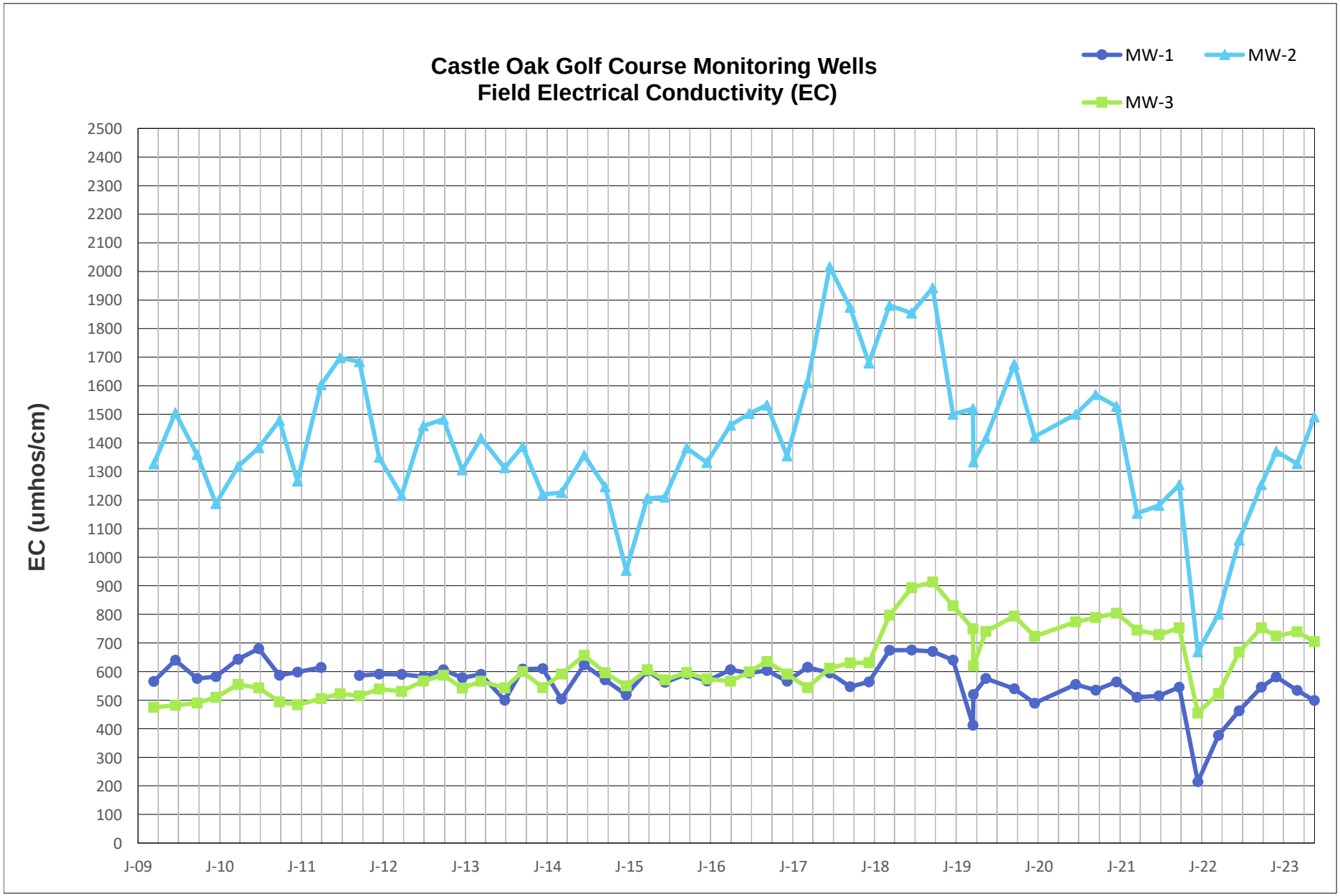
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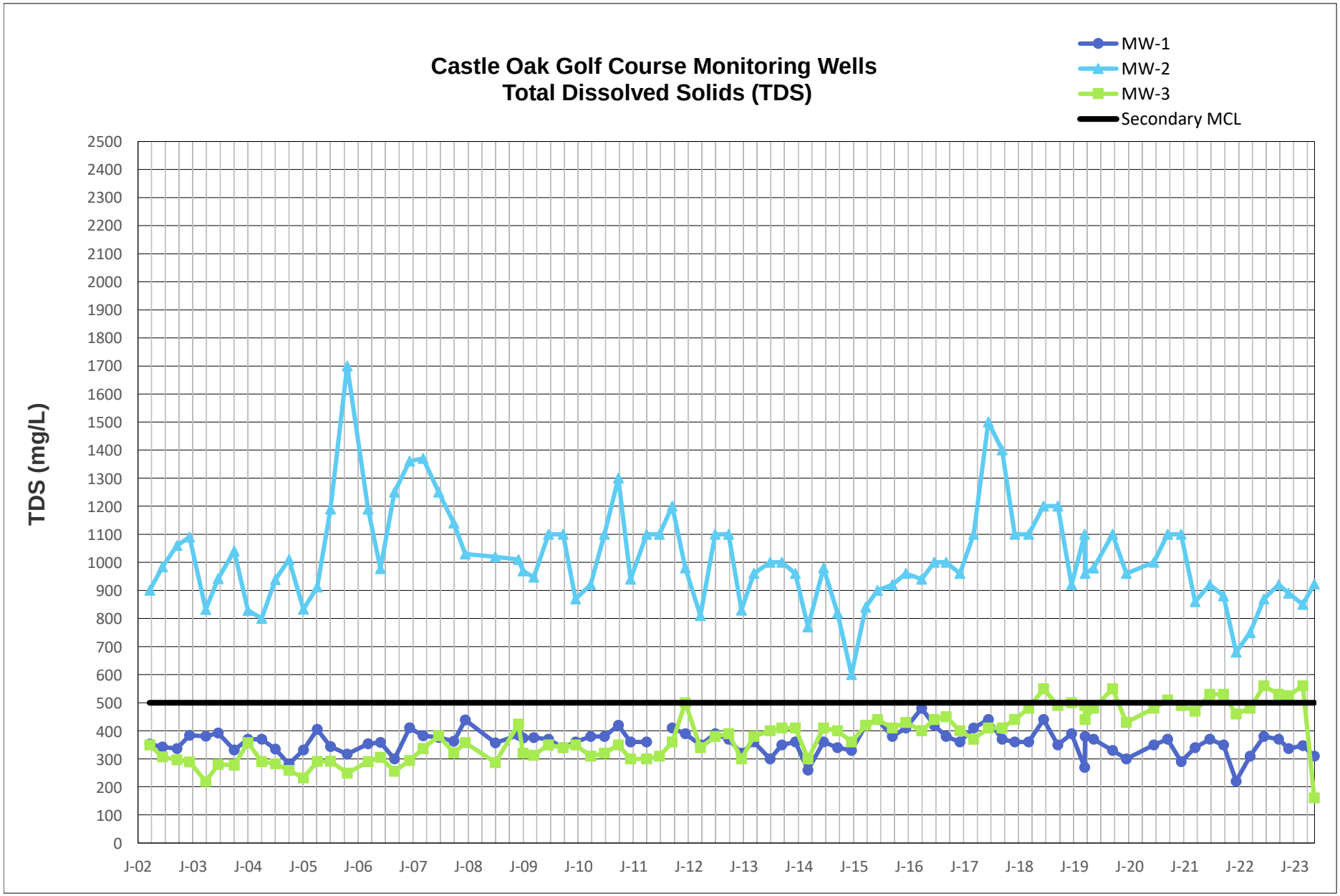
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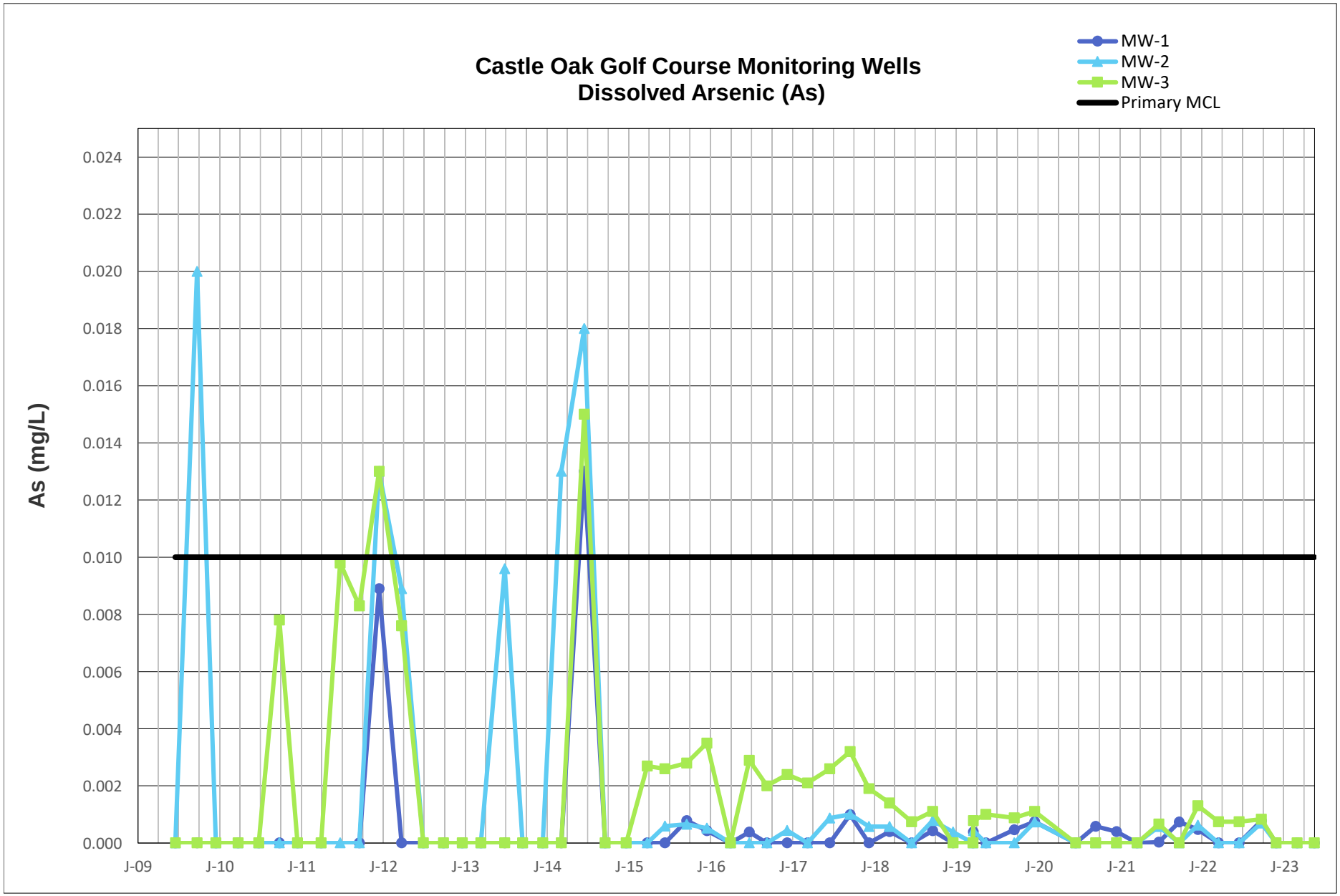
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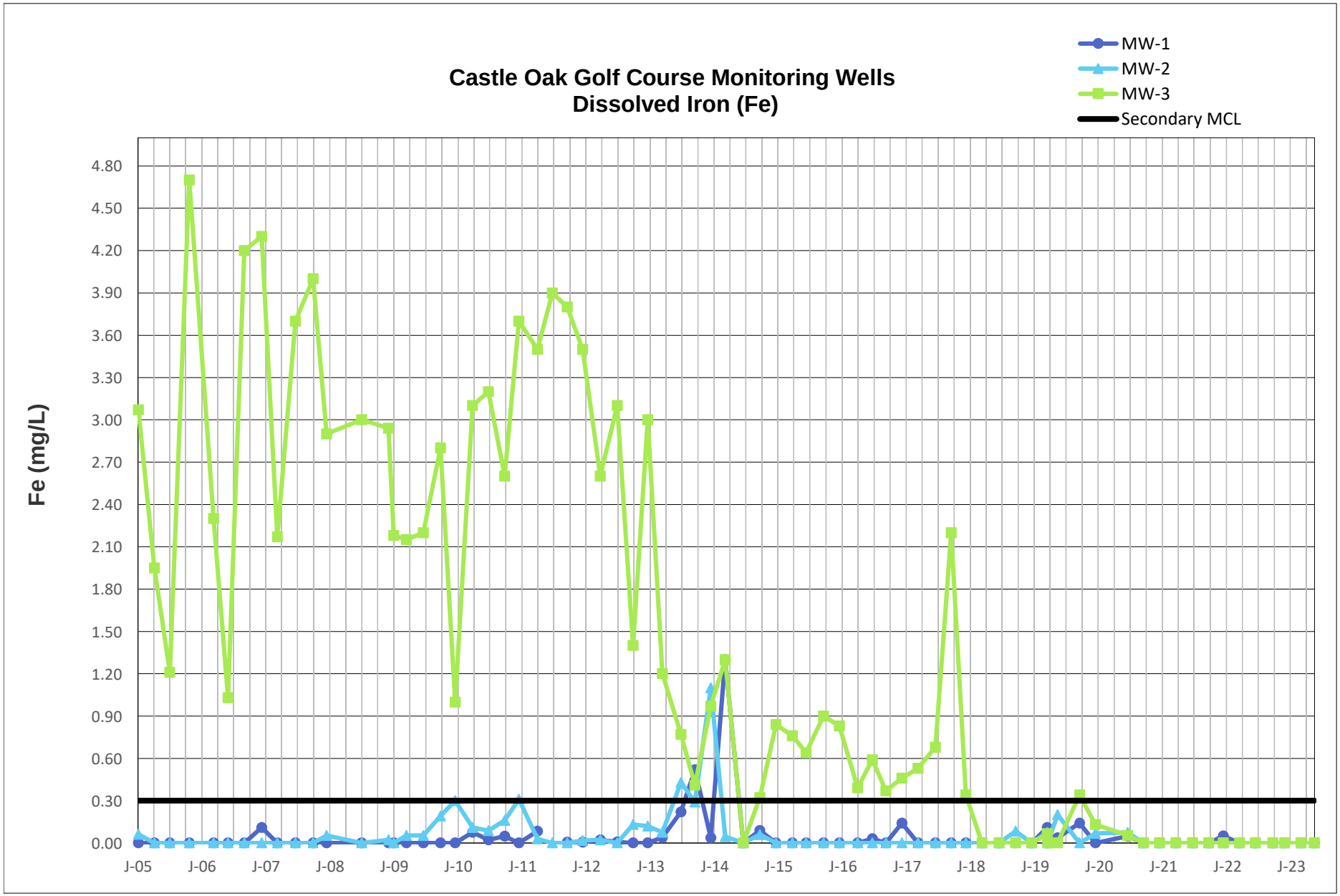
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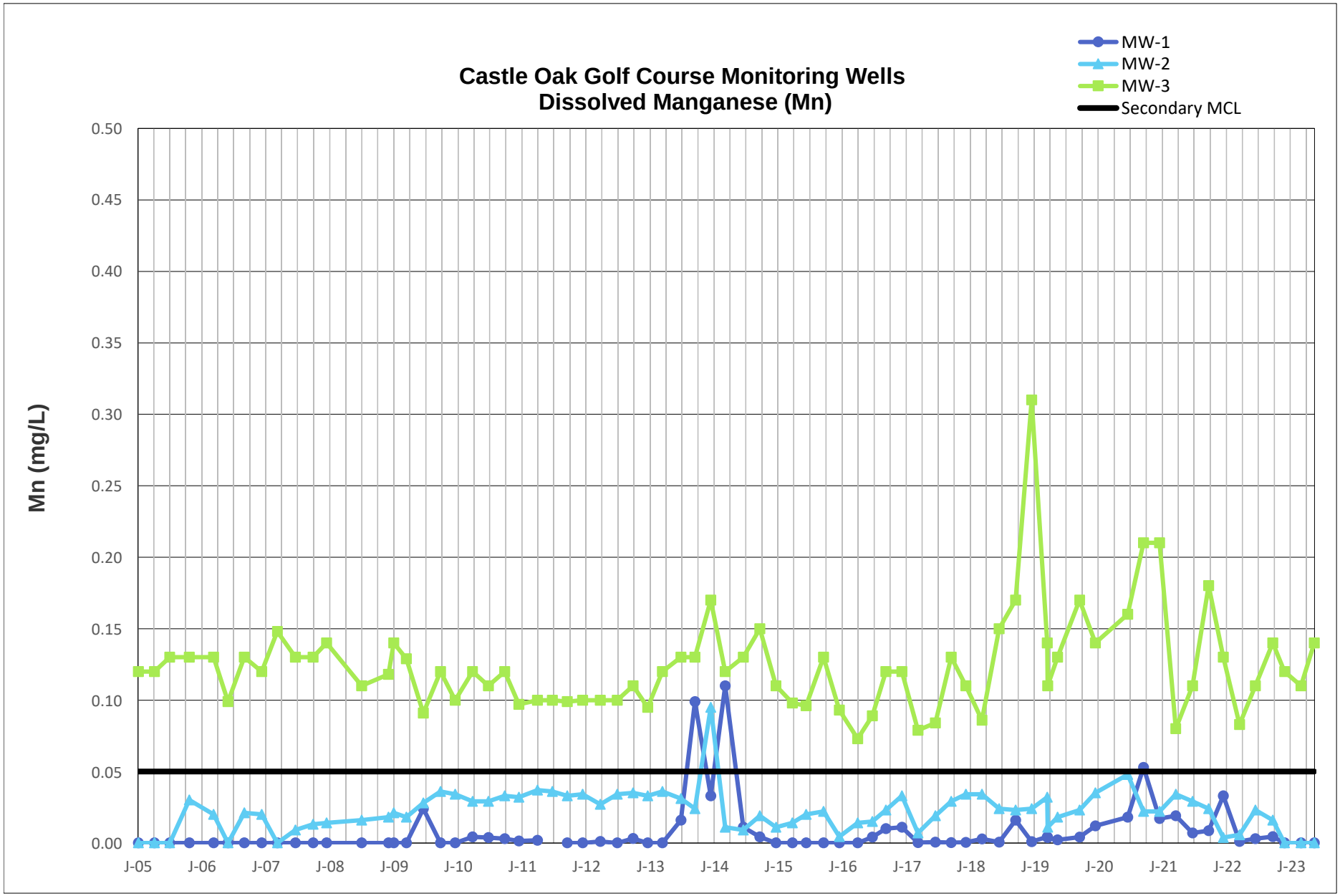
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Attachment 5
Reports of Water Analysis
(Monitoring Wells)

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LABORATORY INC

1910 W. McKinley Avenue, Suite 110 ● Fresno, California 93728-1298
Phone (559) 233-6129 ● (800) 228-9896 ● Fax (559) 268-8174
Website: dellavallelab.com

DELLAVALLE™
LABORATORY INC

City of Ione
1 East Main Street
Lone, CA 95640

Account# 00-0025573
Account Manager: Lisa Rubin
Submitted By: Todd Waklee
Ranch: R5-1993-0240-002 Castle Oak Golf Course

Received: 05/18/2023 10:37
Reported: 06/06/2023 08:57

Samples in this Report

Lab ID	Sample	Matrix	Sampled By	Crop	Date Sampled
23E1540-01	CO MW-1	Monitoring Well	Del-Tech/Ashley Putnam		05/17/2023 9:49
23E1540-02	CO MW-2	Monitoring Well	Del-Tech/Ashley Putnam		05/17/2023 10:32
23E1540-03	CO MW-3	Monitoring Well	Del-Tech/Ashley Putnam		05/17/2023 11:00

Default Cooler Temperature on Receipt °C: -2.3
Containers Intact
COC/Labels Agree
Preservation Confirmed
Received On Ice

Notes and Definitions

Item	Definition
H	Hold Time Exceeded
MCL	Drinking Water Maximum Contaminant Level
ND	Analyte NOT DETECTED at or above the reporting limit.
NES	Not Enough Sample
*	Not Taken
RPD	Relative Percent Difference
%REC	Percent Recovery
Source	Sample that was matrix spiked or duplicated.



Laboratory Director/Technical Manager

ELAP Certification #1595
A2LA Certification #6440.02

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Sample Results

Sample: CO MW-1
23E1540-01 (Water)

Sampled: 5/17/2023 9:49
Sampled By: Del-Tech/Ashley Putnam

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	**0.58**	mmhos/cm	0.01	1		05/19/23 09:56	SM 2510 B		BEE0666
Electrical Conductivity umhos	**585**	umhos/cm	10.0	1		05/19/23 09:56	SM 2510 B		BEE0666
Iron	ND	mg/L	0.10	1		05/19/23 10:34	EPA 200.7		BEE0685
Manganese	ND	mg/L	0.02	1		05/19/23 10:34	EPA 200.7		BEE0685
Ammonia (as N)	ND	mg/L	0.500	1		05/19/23 11:18	SM 4500-NH3 H		BEE0705
Nitrite Nitrogen as NO2N	ND	mg/L	0.4	1	1	05/18/23 22:05	EPA 300.0		BEE0693
Nitrate Nitrogen as NO3N	**7.7**	mg/L	0.1	1	10	05/18/23 22:05	EPA 300.0		BEE0693
pH	**6.9**	units	1.0	1		05/19/23 09:56	SM 4500-H+	H	BEE0666
Total Filterable Solids (TDS)	**310**	mg/L	10.0	1		06/02/23 16:23	SM 2540 C		BEE0753

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Sample Results
(Continued)

Sample: CO MW-2
23E1540-02 (Water)

Sampled: 5/17/2023 10:32
Sampled By: Del-Tech/Ashley Putnam

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	**1.74**	mmhos/cm	0.01	1		05/19/23 10:11	SM 2510 B		BEE0666
Electrical Conductivity umhos	**1740**	umhos/cm	10.0	1		05/19/23 10:11	SM 2510 B		BEE0666
Iron	ND	mg/L	0.10	1		05/19/23 10:42	EPA 200.7		BEE0685
Manganese	ND	mg/L	0.02	1		05/19/23 10:42	EPA 200.7		BEE0685
Ammonia (as N)	ND	mg/L	0.500	1		05/19/23 11:20	SM 4500-NH3 H		BEE0705
Nitrite Nitrogen as NO2N	ND	mg/L	0.4	1	1	05/18/23 22:25	EPA 300.0		BEE0693
Nitrate Nitrogen as NO3N	**3.4**	mg/L	0.1	1	10	05/18/23 22:25	EPA 300.0		BEE0693
pH	**5.9**	units	1.0	1		05/19/23 10:11	SM 4500-H+	H	BEE0666
Total Filterable Solids (TDS)	**923**	mg/L	10.0	1		06/02/23 16:23	SM 2540 C		BEE0753

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Sample Results
(Continued)

Sample: CO MW-3
23E1540-03 (Water)

Sampled: 5/17/2023 11:00
Sampled By: Del-Tech/Ashley Putnam

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	**0.81**	mmhos/cm	0.01	1		05/19/23 10:14	SM 2510 B		BEE0666
Electrical Conductivity umhos	**811**	umhos/cm	10.0	1		05/19/23 10:14	SM 2510 B		BEE0666
Iron	ND	mg/L	0.10	1		05/19/23 10:43	EPA 200.7		BEE0685
Manganese	**0.14**	mg/L	0.02	1		05/19/23 10:43	EPA 200.7		BEE0685
Ammonia (as N)	ND	mg/L	0.500	1		05/19/23 11:21	SM 4500-NH3 H		BEE0705
Nitrite Nitrogen as NO2N	ND	mg/L	0.4	1	1	05/19/23 01:03	EPA 300.0		BEE0693
Nitrate Nitrogen as NO3N	**1.1**	mg/L	0.1	1	10	05/19/23 01:03	EPA 300.0		BEE0693
pH	**6.5**	units	1.0	1		05/19/23 10:14	SM 4500-H+	H	BEE0666
Total Filterable Solids (TDS)	**160**	mg/L	10.0	1		06/02/23 16:23	SM 2540 C		BEE0753

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Quality Control

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEE0666										
Blank (BEE0666-BLK1)					Prepared: 5/17/2023 Analyzed: 5/19/2023					
Electrical Conductivity	ND		0.01	mmhos/cm						
pH	5.2		1.0	units						
Electrical Conductivity umhos	ND		10.0	umhos/cm						
Blank (BEE0666-BLK2)					Prepared: 5/17/2023 Analyzed: 5/19/2023					
Electrical Conductivity	ND		0.01	mmhos/cm						
pH	5.3		1.0	units						
Electrical Conductivity umhos	ND		10.0	umhos/cm						
Blank (BEE0666-BLK3)					Prepared: 5/17/2023 Analyzed: 5/19/2023					
pH	5.3		1.0	units						
Electrical Conductivity	ND		0.01	mmhos/cm						
Electrical Conductivity umhos	ND		10.0	umhos/cm						
Duplicate (BEE0666-DUP1)		**Source: 23E1540-01**			Prepared: 5/17/2023 Analyzed: 5/19/2023					
pH	6.9		1.0	units		6.9			0.579	10
Electrical Conductivity	0.58		0.01	mmhos/cm		0.58			0.652	10
Electrical Conductivity umhos	581		10.0	umhos/cm		585			0.652	10
Duplicate (BEE0666-DUP2)		**Source: 23E1644-01**			Prepared: 5/17/2023 Analyzed: 5/19/2023					
pH	9.2		1.0	units		9.1			0.219	10
Electrical Conductivity	0.33		0.01	mmhos/cm		0.33			1.25	10
Electrical Conductivity umhos	326		10.0	umhos/cm		330			1.25	10
Reference (BEE0666-SRM1)					Prepared: 5/17/2023 Analyzed: 5/19/2023					
Electrical Conductivity	561			umhos/cm	538.0		104	90-110		
Reference (BEE0666-SRM2)					Prepared: 5/17/2023 Analyzed: 5/19/2023					
Electrical Conductivity	565			umhos/cm	538.0		105	90-110		
Reference (BEE0666-SRM3)					Prepared: 5/17/2023 Analyzed: 5/19/2023					
Electrical Conductivity	563			umhos/cm	538.0		105	90-110		
Reference (BEE0666-SRM4)					Prepared: 5/17/2023 Analyzed: 5/19/2023					
pH	4.0			units	4.000		100	97.5-102.5		
Reference (BEE0666-SRM5)					Prepared: 5/17/2023 Analyzed: 5/19/2023					
pH	4.0			units	4.000		101	97.5-102.5		
Reference (BEE0666-SRM6)					Prepared: 5/17/2023 Analyzed: 5/19/2023					
pH	4.0			units	4.000		100	97.5-102.5		

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Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEE0666 (Continued)										
Reference (BEE0666-SRM7)					Prepared: 5/17/2023 Analyzed: 5/19/2023					
pH	7.8			units	7.790		101	.7163-101.28		

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Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEE0685										
Blank (BEE0685-BLK1)					Prepared: 5/18/2023 Analyzed: 5/19/2023					
Iron	ND		0.10	mg/L						
Manganese	ND		0.02	mg/L						
Blank (BEE0685-BLK2)					Prepared: 5/18/2023 Analyzed: 5/19/2023					
Iron	ND		0.10	mg/L						
Manganese	ND		0.02	mg/L						
LCS (BEE0685-BS1)					Prepared: 5/18/2023 Analyzed: 5/19/2023					
Iron	6.91		0.10	mg/L	7.143		96.7	90-110		
Manganese	7.07		0.02	mg/L	7.143		99.0	90-110		
LCS (BEE0685-BS2)					Prepared: 5/18/2023 Analyzed: 5/19/2023					
Iron	6.86		0.10	mg/L	7.143		96.0	90-110		
Manganese	7.00		0.02	mg/L	7.143		98.0	90-110		
Duplicate (BEE0685-DUP1)		**Source: 23E1540-01**			Prepared: 5/18/2023 Analyzed: 5/19/2023					
Iron	0.005		0.10	mg/L		ND				15
Manganese	0.01		0.02	mg/L		0.01			4.48	15
Matrix Spike (BEE0685-MS1)		**Source: 23E1540-01**			Prepared: 5/18/2023 Analyzed: 5/19/2023					
Manganese	6.98		0.02	mg/L	7.143	0.01	97.6	90-110		
Iron	6.82		0.10	mg/L	7.143	ND	95.4	90-110		
Matrix Spike (BEE0685-MS2)		**Source: 23E1601-01**			Prepared: 5/18/2023 Analyzed: 5/19/2023					
Manganese	7.01		0.02	mg/L	7.143	0.003	98.1	90-110		
Iron	6.87		0.10	mg/L	7.143	0.33	91.6	90-110		
Reference (BEE0685-SRM1)					Prepared: 5/18/2023 Analyzed: 5/19/2023					
Manganese	1.43			mg/L	1.400		102	90-110		
Iron	2.04			mg/L	1.910		107	90-110		

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Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEE0693										
Blank (BEE0693-BLK1)					Prepared & Analyzed: 5/18/2023					
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
Nitrite Nitrogen as NO2N	ND		0.4	mg/L						
Blank (BEE0693-BLK2)					Prepared & Analyzed: 5/18/2023					
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
Nitrite Nitrogen as NO2N	ND		0.4	mg/L						
Blank (BEE0693-BLK3)					Prepared: 5/18/2023 Analyzed: 5/19/2023					
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
Nitrite Nitrogen as NO2N	ND		0.4	mg/L						
LCS (BEE0693-BS1)					Prepared & Analyzed: 5/18/2023					
Nitrate Nitrogen as NO3N	5.2		0.1	mg/L	5.000		103	90-110		
Nitrite Nitrogen as NO2N	5.5		0.4	mg/L	5.000		110	90-110		
LCS (BEE0693-BS2)					Prepared: 5/18/2023 Analyzed: 5/19/2023					
Nitrate Nitrogen as NO3N	5.2		0.1	mg/L	5.000		103	90-110		
Nitrite Nitrogen as NO2N	5.5		0.4	mg/L	5.000		110	90-110		
Duplicate (BEE0693-DUP1)		**Source: 23E1539-01**			Prepared: 5/18/2023 Analyzed: 5/19/2023					
Nitrate Nitrogen as NO3N	0.05		0.1	mg/L		0.05			0.00	10
Nitrite Nitrogen as NO2N	ND		0.4	mg/L		ND				10
Duplicate (BEE0693-DUP2)		**Source: 23E1603-01**			Prepared: 5/18/2023 Analyzed: 5/19/2023					
Nitrate Nitrogen as NO3N	0.9		0.1	mg/L		1.0			9.17	10
Nitrite Nitrogen as NO2N	ND		0.4	mg/L		ND				10
Matrix Spike (BEE0693-MS1)		**Source: 23E1539-01**			Prepared & Analyzed: 5/18/2023					
Nitrate Nitrogen as NO3N	5.1		0.1	mg/L	5.000	0.05	101	90-110		
Nitrite Nitrogen as NO2N	5.2		0.4	mg/L	5.000	ND	105	90-110		
Matrix Spike (BEE0693-MS2)		**Source: 23E1603-01**			Prepared: 5/18/2023 Analyzed: 5/19/2023					
Nitrate Nitrogen as NO3N	6.1		0.1	mg/L	5.000	1.0	102	90-110		
Nitrite Nitrogen as NO2N	5.0		0.4	mg/L	5.000	ND	100	90-110		
Reference (BEE0693-SRM1)					Prepared & Analyzed: 5/18/2023					
Nitrate Nitrogen as NO3N	10.1			mg/L	10.00		101	90-110		
Nitrite Nitrogen as NO2N	1.0			mg/L	1.001		98.9	90-110		
Reference (BEE0693-SRM2)					Prepared: 5/18/2023 Analyzed: 5/19/2023					
Nitrate Nitrogen as NO3N	10.2			mg/L	10.00		102	90-110		
Nitrite Nitrogen as NO2N	2.6			mg/L	1.001		260	90-110		

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DELLAVALLE™
LABORATORY INC

City of Ione
1 East Main Street
Lone, CA 95640

Account# 00-0025573
Account Manager: Lisa Rubin
Submitted By: Todd Waklee
Ranch: R5-1993-0240-002 Castle Oak Golf Course

Received: 05/18/2023 10:37
Reported: 06/06/2023 08:57

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEE0693 (Continued)										
Reference (BEE0693-SRM3)					Prepared: 5/18/2023 Analyzed: 5/19/2023					
Nitrate Nitrogen as NO3N	10.2			mg/L	10.00		102	90-110		
Nitrite Nitrogen as NO2N	1.0			mg/L	1.001		101	90-110		

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LABORATORY INC

City of Ione
1 East Main Street
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Account# 00-0025573
Account Manager: Lisa Rubin
Submitted By: Todd Waklee
Ranch: R5-1993-0240-002 Castle Oak Golf Course

Received: 05/18/2023 10:37
Reported: 06/06/2023 08:57

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEE0705										
Blank (BEE0705-BLK1)					Prepared: 5/18/2023 Analyzed: 5/19/2023					
Ammonia (as N)	ND		0.500	mg/L						
Blank (BEE0705-BLK2)					Prepared: 5/18/2023 Analyzed: 5/19/2023					
Ammonia (as N)	ND		0.500	mg/L						
LCS (BEE0705-BS1)					Prepared: 5/18/2023 Analyzed: 5/19/2023					
Ammonia (as N)	8.96		0.500	mg/L	9.990		89.7	90-110		
LCS (BEE0705-BS2)					Prepared: 5/18/2023 Analyzed: 5/19/2023					
Ammonia (as N)	9.35		0.500	mg/L	9.990		93.6	90-110		
Duplicate (BEE0705-DUP1)		**Source: 23E1539-02**			Prepared: 5/18/2023 Analyzed: 5/19/2023					
Ammonia (as N)	1.70		0.500	mg/L		1.85			8.13	10
Duplicate (BEE0705-DUP2)		**Source: 23E1601-02**			Prepared: 5/18/2023 Analyzed: 5/19/2023					
Ammonia (as N)	ND		0.500	mg/L		ND				10
Matrix Spike (BEE0705-MS1)		**Source: 23E1539-02**			Prepared: 5/18/2023 Analyzed: 5/19/2023					
Ammonia (as N)	11.8		0.500	mg/L	9.990	1.85	99.9	90-110		
Matrix Spike (BEE0705-MS2)		**Source: 23E1601-02**			Prepared: 5/18/2023 Analyzed: 5/19/2023					
Ammonia (as N)	9.64		0.500	mg/L	9.990	ND	96.5	90-110		
Reference (BEE0705-SRM1)					Prepared: 5/18/2023 Analyzed: 5/19/2023					
Ammonia (as N)	5.33			mg/L	5.470		97.5	90-110		

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City of Ione
1 East Main Street
Lone, CA 95640

Account# 00-0025573
Account Manager: Lisa Rubin
Submitted By: Todd Waklee
Ranch: R5-1993-0240-002 Castle Oak Golf Course

Received: 05/18/2023 10:37
Reported: 06/06/2023 08:57

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEE0753										
Blank (BEE0753-BLK1)					Prepared: 5/19/2023 Analyzed: 6/2/2023					
Total Filterable Solids (TDS)	ND		10.0	mg/L						
LCS (BEE0753-BS1)					Prepared: 5/19/2023 Analyzed: 6/2/2023					
Total Filterable Solids (TDS)	23.8		10.0	mg/L	2000		1.19	0-200		
Duplicate (BEE0753-DUP1)		**Source: 23E1478-02**			Prepared: 5/19/2023 Analyzed: 6/2/2023					
Total Filterable Solids (TDS)	327		10.0	mg/L		333			2.02	5
Duplicate (BEE0753-DUP2)		**Source: 23E1540-02**			Prepared: 5/19/2023 Analyzed: 6/2/2023					
Total Filterable Solids (TDS)	947		10.0	mg/L		923			2.50	5
Reference (BEE0753-SRM1)					Prepared: 5/19/2023 Analyzed: 6/2/2023					
Total Filterable Solids (TDS)	310			mg/L	325.0		95.4	90-110		

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05/18/23 10:37 23E1540

JG

DELLAVALLE LABORATORY, INC.

1910 W. McKinley Avenue, Suite 110 · Fresno, CA 93728
www.dellavallelab.com 559 233-6129 · 800 228-9896 · Fax 559 268-8174

Purchase Order No | Bill To: Acct # 25575 | Cons # 54

No. Samples: 3 No of Bottles: 9 bottles + 3-sets of VOAs

Results Need By

Water Type: [ ] Drinking Water [ ] Wastewater
[ ] Ag Water [ ] Groundwater **[x] Monitoring Well**

Name: City of Ione
Other:

Billing Address: 1 East Main Street
Analysis and Bottles Required: (*Please indicate Analysis*)

City: Ione **State:** CA **Zip:** 95640
[X] **Quarterly**

Telephone: 209-274-2412
pH, EC, TDS, NO3N, NO2-N, NH4-N, Dissolved Fe,

Cell:
Dissolved Manganese, **Dissolved Arsenic, VOCs**

Email: twaklee@ione-ca.com

COPY TO: mrock@ione-ca.com
jdoersen@ione-ca.com

(1-1 Liter Plastic, Unpreserved) White per site
(1-250 mL Plastic w/H2SO4) NH4-N Yellow per site
(1-250 mL Plastic, Unpreserved) White **pace** per site
(1-set of three VOAs w/HCL) Blue **pace** per site

REQUESTED BY: Todd Waklee

PROJECT: R5-1993-0240-002

Site: Castle Oak Golf Course

[ ] **Annually**
Dissolved General Mineral (No MBAS), Dissolved: **As**, B, K,
NO2-N, NH4-N, TKN, TN, **VOCs**

(1-1 Liter Plastic, Unpreserved) per site
(1-250 mL Plastic, Unpreserved) As White **pace** per site
(1-250 mL Plastic w/H2SO4) TKN Yellow per site
(1-set of three VOAs w/HCL) Blue **pace** per site

[ ] Co. Health Dept
[ ] RWQCB [X] Copy of Chain
[ ] State Forms [X] QA/QC Documents

1/2 **SENDOUT**

Sampled By: Ashley Putnam/DetTech

	Description of Samples	Date Sampled	Time Sampled	Rec'd Temp oC	Field EC
1	CO MW-1	5/17/23	9:49	-2.3	
2	CO MW-2	"	10:32	-0.9	
3	CO MW-3	"	1100	-0.4	
4					

IR Thermometer SN: 221314357
Correction Factor: 0°C
Calibration Due: 6/30/2023
Location: Laboratory

CHAIN OF CUSTODY

Carrier	Signature	Company	Received Date/Time	Relinquished Date/Time
First	Ashley Putnam	DetTech	5/17/23 9:49	5/17/23 1345
Second	Rubin	DLI	5/17/23 1345	5/18/23
Third				
Fourth	Jasmut	DLI	5/18/23 10:37	

I guarantee that as the client, or on behalf of client named, I have the authority to contract the above requested services. Should it be found that I do not have such authority, I agree to be personally liable for all costs and, if there should be action against me for this breach, reasonable attorneys' fees. It is understood that payment is expected to be cash with samples unless terms have been previously arranged. Terms are net 30 days, overdue accounts will be charged a liquidated damage fee of 2% per month (annually 24%) or $5.00 per month whichever is greater.
If payment is not made when due and a legitimate dispute exists concerning the product or services of Dellavalle Laboratory, Inc., it will be submitted to mediation under the Rules and Procedures of Creative Alternative to Litigation, Inc. (*cal*). If the dispute is not resolved in mediation, then the dispute will be submitted to binding arbitration through ***cal*** under its Rules and Procedures. The parties will equally bear the costs of mediation/arbitration. If, however, the mediator declares that no legitimate dispute exists, then debtor will pay all mediation and arbitration costs, and in the event of arbitration, reasonable attorneys' fees of Dellavalle Laboratory.

Lisa will invoice

Signature
Sample received in cooler with ice (coolant)
[X] Yes [ ] No

X:\1-CLIENT CUSTOM FIELDSHEETS\FIELDSHEETS\WATERS\City of Ione CO MWs 1.14.2023

05/18/23 10:37 23E1540

Shipping Information: Shipped In ☐ Picked-Up ☒ Walk In ☐ DLI Sampler ☐ Other ☐ _____

☐ Samples refridgerated before pick up ☐ Picked up samples placed in Ice chest

Container: Ice Chest ☒ Box ☐ None ☐ **Refrigerant:** Wet Ice ☒ Blue Ice ☐ None ☐

Samples Preserved with HNO_3 or H_2SO_4 were: ☐ Received Preserved ☐ Preserved Upon Receipt at Laboratory

Type of Container(s) Received		Sample Number 1	2	3	4	5	6	7	8	9	10
Sample Containers for Internal (DLI) Use *(Containers that go into the Lab)*											
Plastics	100 mL sterile plastic $Na_2S_2O_3$ (Green)										
	250 mL unpreserved (White) Plastic										
	250 mL HNO_3 (Red) Plastic										
	* pH Value										
	250 mL H_2SO_4 (Yellow) Plastic	1	1	1							
	* pH Value	<2	<2	<2							
	500 mL unpreserved (White) Plastic										
	1 L unpreserved (White) Plastic	1	1	1							
	1 L unpreserved (BOD) (Purple) Plastic										
Special	500mL unpreserved (White) Glass										
	PO4-P Kit										
	Other:										
Sample Containers for Subcontracted ("Send Out") Analyses *(Containers that go in the Subcontract ("Send Out") Refrigerator)*											
Plastics	100 mL sterile plastic $Na_2S_2O_3$ (Green)										
	250 mL unpreserved (White) Plastic	1	1	1							
	250 mL HNO_3 (Red) Plastic										
	250 mL H_2SO_4 (Yellow) Plastic										
	500 mL HNO_3 (Red)										
	1 L unpreserved (White) Plastic										
	1 L unpreserved (BOD) (Purple) Plastic										
	1 L HNO_3 (Red)										
VOA Vials	40 mL VOA, $Na_2S_2O_3$ + MCAA (EPA531)										
	40 mL VOA, $Na_2S_2O_3$ (EPA547)										
	40mL AG VOA unpreserved (White) (Set of 3)										
	40 mL AG VOA, $Na_2S_2O_3$ (Green) (Set of 3)										
	40mL VOA, H_3PO_4 (Set of 3)										
	40 mL VOA, HCl (Blue) (Set of 3)	1	1	1							
	40 mL VOA, $Na_2S_2O_3$ (Green) (Set of 3)										
Glass	250 mL AG unpreserved (White)										
	250 mL AG H_2SO_4 (Yellow)										
	250 mL AG $Na_2S_2O_3$ (Green)										
	250 mL AG $Na_2S_2O_3$ + MCAA										
	500 mL glass unpreserved (White)										
	500 mL AG HCl (Blue)										
	1 L AG unpreserved (White)										
	1 L AG H_2SO_4 (Yellow)										
	1 L AG $Na_2S_2O_3$ (Green)										
	1 L AG HCl (Blue)										
Special	Cr^{6+} - 50mL Plastic w/Borate/HCO_3/CO_3										
	Cyanide - 500 mL NaOH										
	Asbestos - 1L P wrapped in foil (Set of 2)										
	Sulfide - 1 L **AG** or **P** NaOH + ZnAc										
	Chlorite/Bromate - 250 mL AG with EDA										
	HAA5 - 250mL AG Ammonium Chlorite										
	DO KIT										
	Other:										
	Other:										

SEND OUT

SUBCONTRACT

DELLAVALLE™
LABORATORY INC

05/18/23 10:37 23E1540

Sending Laboratory:

Dellavalle Laboratory Inc.
1910 McKinley, Ste. 110
Fresno, CA 93728-1298
Phone: (559) 233-6129
Fax: (559) 268-8174

Attn: Kaitlynn Shaw
dataentry@dellavallelab.com

After Hours Contact:

Susan Villagran
559-530-1346
Martin James
559-940-2024

PO# 806619

Subcontracted Laboratory:

BSK & Associates - Stanislaus
687 N. Laverne
Fresno, CA 93727
Phone: (559) 497-2888
Fax: 559 485-6935

Turnaround: Standard ☒ Rush __
State Forms: Yes __ No ☒ Sys#_____

Work Order: 23E1540 **Project: R5-1993-0240-002**

Analysis

Sample ID: 23E1540-01 ***Monitoring Well*** ***Sampled: 5/17/2023 9:49AM***
Client Sample Name: CO MW-1 **Sampled By: Del-Tech/Ashley Putnam**

Comments

EPA 524 w/MTBE:SO
As Dissolved:SO

Containers Supplied:

Sample ID: 23E1540-02 ***Monitoring Well*** ***Sampled: 5/17/2023 10:32AM***
Client Sample Name: CO MW-2 **Sampled By: Del-Tech/Ashley Putnam**

Comments

EPA 524 w/MTBE:SO
As Dissolved:SO

Containers Supplied:

Sample ID: 23E1540-03 ***Monitoring Well*** ***Sampled: 5/17/2023 11:00AM***
Client Sample Name: CO MW-3 **Sampled By: Del-Tech/Ashley Putnam**

Comments

EPA 524 w/MTBE:SO
As Dissolved:SO

Containers Supplied:

Released By	Date	Received By	Date
KS	5.18.23		
Released By	Date	Received By	Date

Certificate of Analysis

City of Ione #25573/54
Project: R5-1993-0240-002

Sample ID: AGE2585-01
Sampled By: Deltech / Ashley Putnam
Sample Description: 23E1540-01 // CO MW-1

Sample Date - Time: 05/17/2023 - 09:49
Matrix: Water
Sample Type: Grab

BSK Associates Laboratory Fresno

Metals

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Arsenic - Dissolved (1)	EPA 200.8	ND	2.0	ug/L	1	AGE1638	05/24/23	05/25/23	

Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Volatile Organics (SDWA Regulated) by GC-MS									
1,1,1-Trichloroethane	EPA 524.2	ND	0.50	ug/L	1	AGE1906	05/28/23	05/28/23	
1,1,2,2-Tetrachloroethane	EPA 524.2	ND	0.50	ug/L	1	AGE1906	05/28/23	05/28/23	
1,1,2-Trichloro-1,2,2-trifluoroethane	EPA 524.2	ND	10	ug/L	1	AGE1906	05/28/23	05/28/23	
1,1,2-Trichloroethane	EPA 524.2	ND	0.50	ug/L	1	AGE1906	05/28/23	05/28/23	
1,1-Dichloroethane	EPA 524.2	ND	0.50	ug/L	1	AGE1906	05/28/23	05/28/23	
1,1-Dichloroethene	EPA 524.2	ND	0.50	ug/L	1	AGE1906	05/28/23	05/28/23	
1,2,4-Trichlorobenzene	EPA 524.2	ND	0.50	ug/L	1	AGE1906	05/28/23	05/28/23	
1,2-Dichlorobenzene	EPA 524.2	ND	0.50	ug/L	1	AGE1906	05/28/23	05/28/23	
1,2-Dichloroethane	EPA 524.2	ND	0.50	ug/L	1	AGE1906	05/28/23	05/28/23	
1,2-Dichloropropane	EPA 524.2	ND	0.50	ug/L	1	AGE1906	05/28/23	05/28/23	
1,4-Dichlorobenzene	EPA 524.2	ND	0.50	ug/L	1	AGE1906	05/28/23	05/28/23	
Benzene	EPA 524.2	ND	0.50	ug/L	1	AGE1906	05/28/23	05/28/23	
Carbon Tetrachloride	EPA 524.2	ND	0.50	ug/L	1	AGE1906	05/28/23	05/28/23	
Chlorobenzene	EPA 524.2	ND	0.50	ug/L	1	AGE1906	05/28/23	05/28/23	
cis-1,2-Dichloroethene	EPA 524.2	ND	0.50	ug/L	1	AGE1906	05/28/23	05/28/23	
cis-1,3-Dichloropropene	EPA 524.2	ND	0.50	ug/L	1	AGE1906	05/28/23	05/28/23	
Dichloromethane	EPA 524.2	ND	0.50	ug/L	1	AGE1906	05/28/23	05/28/23	
Ethylbenzene	EPA 524.2	ND	0.50	ug/L	1	AGE1906	05/28/23	05/28/23	
m,p-Xylenes	EPA 524.2	ND	0.50	ug/L	1	AGE1906	05/28/23	05/28/23	
Methyl-t-butyl ether	EPA 524.2	ND	0.50	ug/L	1	AGE1906	05/28/23	05/28/23	
o-Xylene	EPA 524.2	ND	0.50	ug/L	1	AGE1906	05/28/23	05/28/23	
Styrene	EPA 524.2	ND	0.50	ug/L	1	AGE1906	05/28/23	05/28/23	
Tetrachloroethene (PCE)	EPA 524.2	ND	0.50	ug/L	1	AGE1906	05/28/23	05/28/23	
Toluene	EPA 524.2	ND	0.50	ug/L	1	AGE1906	05/28/23	05/28/23	
trans-1,2-Dichloroethene	EPA 524.2	ND	0.50	ug/L	1	AGE1906	05/28/23	05/28/23	
trans-1,3-Dichloropropene	EPA 524.2	ND	0.50	ug/L	1	AGE1906	05/28/23	05/28/23	
Trichloroethene (TCE)	EPA 524.2	ND	0.50	ug/L	1	AGE1906	05/28/23	05/28/23	
Trichlorofluoromethane	EPA 524.2	ND	5.0	ug/L	1	AGE1906	05/28/23	05/28/23	
Vinyl Chloride	EPA 524.2	ND	0.50	ug/L	1	AGE1906	05/28/23	05/28/23	
Total 1,3-Dichloropropene	EPA 524.2	ND	0.50	ug/L	1	AGE1906	05/28/23	05/28/23	
Total Xylenes	EPA 524.2	ND	0.50	ug/L	1	AGE1906	05/28/23	05/28/23	
Surrogate: 1,2-Dichlorobenzene-d4	EPA 524.2	104 %	*Acceptable range: 70-130 %*						
Surrogate: Bromofluorobenzene	EPA 524.2	102 %	*Acceptable range: 70-130 %*						

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Certificate of Analysis

City of Ione #25573/54
Project: R5-1993-0240-002

Sample ID: AGE2585-02
Sampled By: Deltech / Ashley Putnam
Sample Description: 23E1540-02 // CO MW-2

Sample Date - Time: 05/17/2023 - 10:32
Matrix: Water
Sample Type: Grab

BSK Associates Laboratory Fresno

Metals

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Arsenic - Dissolved (1)	EPA 200.8	ND	2.0	ug/L	1	AGE1638	05/24/23	05/25/23	

Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Volatile Organics (SDWA Regulated) by GC-MS									
1,1,1-Trichloroethane	EPA 524.2	ND	0.50	ug/L	1	AGE1906	05/28/23	05/28/23	
1,1,2,2-Tetrachloroethane	EPA 524.2	ND	0.50	ug/L	1	AGE1906	05/28/23	05/28/23	
1,1,2-Trichloro-1,2,2-trifluoroethane	EPA 524.2	ND	10	ug/L	1	AGE1906	05/28/23	05/28/23	
1,1,2-Trichloroethane	EPA 524.2	ND	0.50	ug/L	1	AGE1906	05/28/23	05/28/23	
1,1-Dichloroethane	EPA 524.2	ND	0.50	ug/L	1	AGE1906	05/28/23	05/28/23	
1,1-Dichloroethene	EPA 524.2	ND	0.50	ug/L	1	AGE1906	05/28/23	05/28/23	
1,2,4-Trichlorobenzene	EPA 524.2	ND	0.50	ug/L	1	AGE1906	05/28/23	05/28/23	
1,2-Dichlorobenzene	EPA 524.2	ND	0.50	ug/L	1	AGE1906	05/28/23	05/28/23	
1,2-Dichloroethane	EPA 524.2	ND	0.50	ug/L	1	AGE1906	05/28/23	05/28/23	
1,2-Dichloropropane	EPA 524.2	ND	0.50	ug/L	1	AGE1906	05/28/23	05/28/23	
1,4-Dichlorobenzene	EPA 524.2	ND	0.50	ug/L	1	AGE1906	05/28/23	05/28/23	
Benzene	EPA 524.2	ND	0.50	ug/L	1	AGE1906	05/28/23	05/28/23	
Carbon Tetrachloride	EPA 524.2	ND	0.50	ug/L	1	AGE1906	05/28/23	05/28/23	
Chlorobenzene	EPA 524.2	ND	0.50	ug/L	1	AGE1906	05/28/23	05/28/23	
cis-1,2-Dichloroethene	EPA 524.2	ND	0.50	ug/L	1	AGE1906	05/28/23	05/28/23	
cis-1,3-Dichloropropene	EPA 524.2	ND	0.50	ug/L	1	AGE1906	05/28/23	05/28/23	
Dichloromethane	EPA 524.2	ND	0.50	ug/L	1	AGE1906	05/28/23	05/28/23	
Ethylbenzene	EPA 524.2	ND	0.50	ug/L	1	AGE1906	05/28/23	05/28/23	
m,p-Xylenes	EPA 524.2	ND	0.50	ug/L	1	AGE1906	05/28/23	05/28/23	
Methyl-t-butyl ether	EPA 524.2	ND	0.50	ug/L	1	AGE1906	05/28/23	05/28/23	
o-Xylene	EPA 524.2	ND	0.50	ug/L	1	AGE1906	05/28/23	05/28/23	
Styrene	EPA 524.2	ND	0.50	ug/L	1	AGE1906	05/28/23	05/28/23	
Tetrachloroethene (PCE)	EPA 524.2	ND	0.50	ug/L	1	AGE1906	05/28/23	05/28/23	
Toluene	EPA 524.2	ND	0.50	ug/L	1	AGE1906	05/28/23	05/28/23	
trans-1,2-Dichloroethene	EPA 524.2	ND	0.50	ug/L	1	AGE1906	05/28/23	05/28/23	
trans-1,3-Dichloropropene	EPA 524.2	ND	0.50	ug/L	1	AGE1906	05/28/23	05/28/23	
Trichloroethene (TCE)	EPA 524.2	ND	0.50	ug/L	1	AGE1906	05/28/23	05/28/23	
Trichlorofluoromethane	EPA 524.2	ND	5.0	ug/L	1	AGE1906	05/28/23	05/28/23	
Vinyl Chloride	EPA 524.2	ND	0.50	ug/L	1	AGE1906	05/28/23	05/28/23	
Total 1,3-Dichloropropene	EPA 524.2	ND	0.50	ug/L	1	AGE1906	05/28/23	05/28/23	
Total Xylenes	EPA 524.2	ND	0.50	ug/L	1	AGE1906	05/28/23	05/28/23	
Surrogate: 1,2-Dichlorobenzene-d4	EPA 524.2	104 %	*Acceptable range: 70-130 %*						
Surrogate: Bromofluorobenzene	EPA 524.2	102 %	*Acceptable range: 70-130 %*						

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Certificate of Analysis

City of Ione #25573/54
Project: R5-1993-0240-002

Sample ID: AGE2585-03
Sampled By: Deltech / Ashley Putnam
Sample Description: 23E1540-03 // CO MW-3

Sample Date - Time: 05/17/2023 - 11:00
Matrix: Water
Sample Type: Grab

BSK Associates Laboratory Fresno

Metals

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Arsenic - Dissolved (1)	EPA 200.8	ND	2.0	ug/L	1	AGE1638	05/24/23	05/25/23	

Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Volatile Organics (SDWA Regulated) by GC-MS									
1,1,1-Trichloroethane	EPA 524.2	ND	0.50	ug/L	1	AGE1907	05/28/23	05/30/23	
1,1,2,2-Tetrachloroethane	EPA 524.2	ND	0.50	ug/L	1	AGE1907	05/28/23	05/30/23	
1,1,2-Trichloro-1,2,2-trifluoroethane	EPA 524.2	ND	10	ug/L	1	AGE1907	05/28/23	05/30/23	
1,1,2-Trichloroethane	EPA 524.2	ND	0.50	ug/L	1	AGE1907	05/28/23	05/30/23	
1,1-Dichloroethane	EPA 524.2	ND	0.50	ug/L	1	AGE1907	05/28/23	05/30/23	
1,1-Dichloroethene	EPA 524.2	ND	0.50	ug/L	1	AGE1907	05/28/23	05/30/23	
1,2,4-Trichlorobenzene	EPA 524.2	ND	0.50	ug/L	1	AGE1907	05/28/23	05/30/23	
1,2-Dichlorobenzene	EPA 524.2	ND	0.50	ug/L	1	AGE1907	05/28/23	05/30/23	
1,2-Dichloroethane	EPA 524.2	ND	0.50	ug/L	1	AGE1907	05/28/23	05/30/23	
1,2-Dichloropropane	EPA 524.2	ND	0.50	ug/L	1	AGE1907	05/28/23	05/30/23	
1,4-Dichlorobenzene	EPA 524.2	ND	0.50	ug/L	1	AGE1907	05/28/23	05/30/23	
Benzene	EPA 524.2	ND	0.50	ug/L	1	AGE1907	05/28/23	05/30/23	
Carbon Tetrachloride	EPA 524.2	ND	0.50	ug/L	1	AGE1907	05/28/23	05/30/23	
Chlorobenzene	EPA 524.2	ND	0.50	ug/L	1	AGE1907	05/28/23	05/30/23	
cis-1,2-Dichloroethene	EPA 524.2	ND	0.50	ug/L	1	AGE1907	05/28/23	05/30/23	
cis-1,3-Dichloropropene	EPA 524.2	ND	0.50	ug/L	1	AGE1907	05/28/23	05/30/23	
Dichloromethane	EPA 524.2	ND	0.50	ug/L	1	AGE1907	05/28/23	05/30/23	
Ethylbenzene	EPA 524.2	ND	0.50	ug/L	1	AGE1907	05/28/23	05/30/23	
m,p-Xylenes	EPA 524.2	ND	0.50	ug/L	1	AGE1907	05/28/23	05/30/23	
Methyl-t-butyl ether	EPA 524.2	ND	0.50	ug/L	1	AGE1907	05/28/23	05/30/23	
o-Xylene	EPA 524.2	ND	0.50	ug/L	1	AGE1907	05/28/23	05/30/23	
Styrene	EPA 524.2	ND	0.50	ug/L	1	AGE1907	05/28/23	05/30/23	
Tetrachloroethene (PCE)	EPA 524.2	ND	0.50	ug/L	1	AGE1907	05/28/23	05/30/23	
Toluene	EPA 524.2	ND	0.50	ug/L	1	AGE1907	05/28/23	05/30/23	
trans-1,2-Dichloroethene	EPA 524.2	ND	0.50	ug/L	1	AGE1907	05/28/23	05/30/23	
trans-1,3-Dichloropropene	EPA 524.2	ND	0.50	ug/L	1	AGE1907	05/28/23	05/30/23	
Trichloroethene (TCE)	EPA 524.2	ND	0.50	ug/L	1	AGE1907	05/28/23	05/30/23	
Trichlorofluoromethane	EPA 524.2	ND	5.0	ug/L	1	AGE1907	05/28/23	05/30/23	
Vinyl Chloride	EPA 524.2	ND	0.50	ug/L	1	AGE1907	05/28/23	05/30/23	
Total 1,3-Dichloropropene	EPA 524.2	ND	0.50	ug/L	1	AGE1907	05/28/23	05/30/23	
Total Xylenes	EPA 524.2	ND	0.50	ug/L	1	AGE1907	05/28/23	05/30/23	
Surrogate: 1,2-Dichlorobenzene-d4	EPA 524.2	104 %	*Acceptable range: 70-130 %*						
Surrogate: Bromofluorobenzene	EPA 524.2	102 %	*Acceptable range: 70-130 %*						

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

DELLAVALLE™
LABORATORY INC

City of Ione
1 East Main Street
Lone, CA 95640

Account# 00-0025573
Account Manager: Lisa Rubin
Submitted By:
Ranch: R5-1993-0240-002

Received: 05/18/2023 9:50
Reported: 06/02/2023 15:35

Samples in this Report

Lab ID	Sample	Matrix	Sampled By	Crop	Date Sampled
23E1543-01	CO MW-1	Monitoring Well	Del-Tech/Ashley Putnam		5/17/2023 9:49
23E1543-02	CO MW-2	Monitoring Well	Del-Tech/Ashley Putnam		5/17/2023 10:32
23E1543-03	CO MW-3	Monitoring Well	Del-Tech/Ashley Putnam		5/17/2023 11:00

Default Cooler — Temperature on Receipt °C: -1.5
Containers Intact
COC/Labels Agree
Received On Ice

Scott McFriedland

Laboratory Director/Technical Manager

ELAP Certification #1595
A2LA Certification #6440.02

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Certificate of Analysis

City of Ione #25573/54
Project: R5-1993-0240-002

Sample ID: AGE2405-01
Sampled By: Deltech / Ashley Putnam
Sample Description: 23E1543-01 // CO MW-1

Sample Date - Time: 05/17/2023 - 09:49
Matrix: Water
Sample Type: Routine

BSK Associates Laboratory Fresno

Microbiology

Analyte	Method	Result	RL	Units	Batch	Prepared	Analyzed	Qual
Coliform by 3x5 MTF								
Total Coliform	SM 9221B	**<1.8**	1.8	MPN/100 mL	AGE1270	05/18/23 11:49	05/18/23 11:49	HT1.0

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Certificate of Analysis

City of Ione #25573/54
Project: R5-1993-0240-002

Sample ID: AGE2405-02
Sampled By: Deltech / Ashley Putnam
Sample Description: 23E1543-02 // CO MW-2

Sample Date - Time: 05/17/2023 - 10:32
Matrix: Water
Sample Type: Routine

BSK Associates Laboratory Fresno

Microbiology

Analyte	Method	Result	RL	Units	Batch	Prepared	Analyzed	Qual
Coliform by 3x5 MTF								
Total Coliform	SM 9221B	**<1.8**	1.8	MPN/100 mL	AGE1270	05/18/23 11:49	05/18/23 11:49	HT1.0

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Certificate of Analysis

City of Ione #25573/54
Project: R5-1993-0240-002

Sample ID: AGE2405-03
Sampled By: Deltech / Ashley Putnam
Sample Description: 23E1543-03 // CO MW-3

Sample Date - Time: 05/17/2023 - 11:00
Matrix: Water
Sample Type: Routine

BSK Associates Laboratory Fresno

Microbiology

Analyte	Method	Result	RL	Units	Batch	Prepared	Analyzed	Qual
Coliform by 3x5 MTF								
Total Coliform	SM 9221B	**<1.8**	1.8	MPN/100 mL	AGE1270	05/18/23 11:49	05/18/23 11:49	HT1.0

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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LABORATORY INC

SUBCONTRACT ORDER

Sending Laboratory:

Dellavalle Laboratory Inc.
1910 McKinley, Ste. 110
Fresno, CA 93728-1298
Phone: (559) 233-6129
Fax: (559) 268-8174

Attn: Kaitlynn Shaw
dataentry@dellavallelab.com

After Hours Contact:

Susan Villagran
559-530-1346
Martin James
559-940-2024

PO# 806602

Subcontracted Laboratory:

BSK & Associates - Stanislaus
687 N. Laverne
Fresno, CA 93727
Phone: (559) 497-2888
Fax: 559 485-6935

Turnaround: Standard ✓ Rush __
State Forms: Yes __ No ✓ Sys#_____

Work Order: 23E1543

Project: R5-1993-0240-002

Analysis

Sample ID: 23E1543-01 ***Monitoring Well***
Sampled: 5/17/2023 9:49AM
Client Sample Name: CO MW-1
Sampled By: Del-Tech/Ashley Putnam

Comments

Coli 3x5 Total Coli:SO

Containers Supplied:

Sample ID: 23E1543-02 ***Monitoring Well***
Sampled: 5/17/2023 10:32AM
Client Sample Name: CO MW-2
Sampled By: Del-Tech/Ashley Putnam

Comments

Coli 3x5 Total Coli:SO

Containers Supplied:

Sample ID: 23E1543-03 ***Monitoring Well***
Sampled: 5/17/2023 11:00AM
Client Sample Name: CO MW-3
Sampled By: Del-Tech/Ashley Putnam

Comments

Coli 3x5 Total Coli:SO

Containers Supplied:

OK to run out of hold time
-KS

Released By	Date	Received By	Date
Released By	Date	Received By	Date

05/18/23 09:50 23E1543

DELLAVALLE LABORATORY, INC.

1910 W. McKinley Avenue, Suite 110 • Fresno, CA 93728
www.dellavallelab.com 559 233-6129 · 800 228-9896 · Fax 559 268-8174

Purchase Order No | Bill To: 25573 Acct # 54 Cons #

Results Need By

No. Samples: 3 No of Bottles: 3

Water Type: [ ] Drinking Water [ ] Wastewater
[ ] Ag Water [ ] Groundwater **[x] Monitoring Well**

Name: City of Ione
Billing Address: 1 East Main Street
City: Ione **State:** CA **Zip:** 95640
Telephone: 209-274-2412
Cell:
Email: twaklee@ione-ca.com
COPY TO: mrock@ione-ca.com
jdoersen@ione-ca.com
REQUESTED BY: Todd Waklee
PROJECT: R5-1993-0240-002
Site: Castle Oak Golf Course

Other:

Analysis and Bottles Required: (*Please indicate Analysis*)

Total Coliform, MPN (3x5 MTF; SM 9221B)

(1-100 mL Sterile Plastic w/$Na_2S_2O_3$) Green **bsk** per site

Quarterly

[ ] Co. Health Dept
[ ] RWQCB [X] Copy of Chain
[ ] State Forms [X] QA/QC Documents

Sampled By: Ashley Ritnam / DelTech

	Description of Samples	Date Sampled	Time Sampled	Rec'd Temp °C	Field EC
1	CO MW-1	5/17/23	9:49	-1.5	
2	CO MW-2	"	10:32	3.5	
3	CO MW-3	"	11:00	-1.6	
4					

IR Thermometer SN: 221314357
Correction Factor: 0°C
Calibration Due: 6/30/2023
Location: Laboratory

CHAIN OF CUSTODY

Carrier	Signature	Company	Received Date/Time	Relinquished Date/Time
First	Ashley Ritnam	DelTech	5/17/23 9:49	5/17/23 13:45
Second	Lisa Rubin	DLI	5/17/23 13:45	5/18/23 9:50
Third				
Fourth				

I guarantee that as the client, or on behalf of client named, I have the authority to contract the above requested services. Should it be found that I do not have such authority, I agree to be personally liable for all costs and, if there should be action against me for this breach, reasonable attorneys' fees. It is understood that payment is expected to be cash with samples unless terms have been previously arranged. Terms are net 30 days; overdue accounts will be charged a liquidated damage fee of 2% per month (annually 24%) or $5.00 per month whichever is greater.

If payment is not made when due and a legitimate dispute exists concerning the product or services of Dellavalle Laboratory, Inc., it will be submitted to mediation under the Rules and Procedures of Creative Alternative to Litigation, Inc. (*cal*). If the dispute is not resolved in mediation, then the dispute will be submitted to binding arbitration through ***cal*** under its Rules and Procedures. The parties will equally bear the costs of mediation/arbitration. If, however, the mediator declares that no legitimate dispute exists, then debtor will pay all mediation and arbitration costs, and in the event of arbitration, reasonable attorneys' fees of Dellavalle Laboratory.

Lisa will invoice

Signature
Sample received in cooler with ice (coolant)
[X] Yes [ ] No

X:\1-CLIENT CUSTOM FIELDSHEETS\FIELDSHEETS\WATERS\City of Ione CO MW Quarterly Total Coliform 1.14.2023

05/18/23 09:50 23E1543

Shipping Information: Shipped In □ Picked-Up □ Walk In □ DLI Sampler □ Other □ _____

Container: Ice Chest □ Box □ None □ **Refrigerant:** Wet Ice □ Blue Ice □ None □

Samples Preserved with HNO_3 or H_2SO_4 were: □ Received Preserved □ Preserved Upon Receipt at Laboratory

	Type of Container(s) Received	Sample Number 1	2	3	4	5	6	7	8	9	1
Sample Containers for Internal (DLI) Use *(Containers that go into the Lab)*											
Plastics	100 mL sterile plastic $Na_2S_2O_3$ (Green)										
	250 mL unpreserved (White) Plastic										
	250 mL HNO_3 (Red) Plastic										
	* pH Value										
	250 mL H_2SO_4 (Yellow) Plastic										
	* pH Value										
	500 mL unpreserved (White) Plastic										
	1 L unpreserved (White) Plastic										
	1 L unpreserved (BOD) (Purple) Plastic										
Special	500mL unpreserved (White) Glass										
	PO4-P Kit										
	Other:										
Sample Containers for Subcontracted ("Send Out") Analyses *(Containers that go in the Subcontract ("Send Out") Refrigerator)*											
Plastics	100 mL sterile plastic $Na_2S_2O_3$ (Green)	\	\	\							
	250 mL unpreserved (White) Plastic										
	250 mL HNO_3 (Red) Plastic										
	250 mL H_2SO_4 (Yellow) Plastic										
	500 mL HNO_3 (Red)										
	1 L unpreserved (White) Plastic										
	1 L unpreserved (BOD) (Purple) Plastic										
	1 L HNO_3 (Red)										
VOA Vials	40 mL VOA, $Na_2S_2O_3$ + MCAA (EPA531)										
	40 mL VOA, $Na_2S_2O_3$ (EPA547)										
	40mL AG VOA unpreserved (White) (Set of 3)										
	40 mL AG VOA, $Na_2S_2O_3$ (Green) (Set of 3)										
	40mL VOA, H_3PO_4 (Set of 3)										
	40 mL VOA, HCl (Blue) (Set of 3)										
	40 mL VOA, $Na_2S_2O_3$ (Green) (Set of 3)										
Glass	250 mL AG unpreserved (White)										
	250 mL AG H_2SO_4 (Yellow)										
	250 mL AG $Na_2S_2O_3$ (Green)										
	250 mL AG $Na_2S_2O_3$ + MCAA										
	500 mL glass unpreserved (White)										
	500 mL AG HCl (Blue)										
	1 L AG unpreserved (White)										
	1 L AG H_2SO_4 (Yellow)										
	1 L AG $Na_2S_2O_3$ (Green)										
	1 L AG HCl (Blue)										
Special	Cr^{6+} - 50mL Plastic w/Borate/HCO_3/CO_3										
	Cyanide - 500 mL NaOH										
	Asbestos - 1L P wrapped in foil (Set of 2)										
	Sulfide - 1 L **AG** or **P** NaOH + ZnAc										
	Chlorite/Bromate - 250 mL AG with EDA										
	HAA5 - 250mL AG Ammonium Chlorite										
	DO KIT										

SENDOUT

End of Report

Ione Wastewater Treatment Facility
Groundwater Monitoring Network Report
R5-2013-0022-REV1
Second Quarter 2023

Prepared for

City of Ione

July 12, 2023

Prepared by

DELLAVALLE™
LABORATORY INC

1910 W. McKinley Avenue, Suite 110 ● Fresno, California 93728-1298
Phone (559) 233-6129 ● (800) 228-9896 ● Fax (559) 268-8174
Website: www.dellavallelab.com

Ione Wastewater Treatment Facility
Groundwater Monitoring Network Report
R5-2013-0022-REV1
Second Quarter 2023

Table of Contents

Cover Letter 1

Tables

Table 1 - Network Site Descriptions

Attachments

Attachment 1 - Groundwater Elevation and Analytical Results Discussion

Attachment 2 - Groundwater Monitoring Network Measurements and Graphs

Attachment 3 - Field Records

Attachment 4 - Historical Quarterly Groundwater Quality Data and Graphs

Attachment 5 - Historical Annual Standard Minerals Groundwater Quality Data

Attachment 6 - Reports of Water Analysis (Onsite Monitoring Wells)

DELLAVALLE™
LABORATORY INC

July 12, 2023

City of Ione
Amy Gedney, Acting City Manager
1 East Main Street
Ione, CA 95640

RE: City of Ione Wastewater Treatment Facility
Second Quarter 2023 Groundwater Monitoring Report
R5-2013-0022-REV1

Dear Ms. Gedney:
This report summarizes the 2nd Quarter 2023 groundwater monitoring and analytical sampling event associated with Monitoring and Reporting Program (MRP) R5-2013-0022-REV1.

AUTHORIZATION

The services provided by Dellavalle Laboratory, Inc. (DLI), Provost & Pritchard Consulting Group (P&P), and Del Tech Geotechnical Support Services (Del-Tech) were authorized by the City of Ione and Dellavalle Project Manager, Lisa Rubin.

CITY OF IONE WWTF GROUNDWATER MONITORING NETWORK

As of 26 June 2023, the City of Ione Wastewater Treatment Facility (WWTF) groundwater monitoring network consists of nine (9) onsite monitoring wells, four (4) piezometers, and six (6) offsite monitoring wells (**Table 1 - Network Site Descriptions**). Each quarter, samples are collected from the onsite monitoring wells and depth-to-water (DTW) measurements are collected from the onsite monitoring wells, the piezometers, and the offsite monitoring wells (MW-08 series).

As required by California Business and Professions Code Section 7835, groundwater monitoring site locations, potentiometric measurements, groundwater elevations, and analytical results summary discussions have been prepared by a Licensed California Geologist and are presented in **Attachment 1 - Groundwater Elevation and Analytical Results Discussion.** Groundwater elevations and depth to water measurements (DTW) with historical graph trends are presented in **Attachment 2** - **Groundwater Monitoring Network Measurements and Graphs**.

Table 1. Network Site Descriptions

Location	Monument	Location	Monument
MW-1	Post	MW 08-1	Post
MW-1A	Post	MW 08-2A	Post
MW-2	Flush	MW 08-2B	Post
MW-2A	Flush	MW 08-3	Post
MW-3	Post	MW 08-4A	Post
MW-3A	Post	MW 08-4B	Post
MW-4	Post	P-1	Post
MW-4A	Post	P-2	Post
MW-5A	Post	P-3	Post
		P-5B	Post

GROUNDWATER MONITORING & SAMPLING

Prior to purging and sampling, Del-Tech measured DTW in all onsite monitoring wells from the north side and top edge of the well casing. DTW measurements (ft) are subtracted from the depth of well (ft) to determine standing water column (SWC) measurements (ft). The SWC is multiplied by the gallons per foot of depth (0.1632 for 2-inch diameter and 0.6528 for 4-inch diameter well casings) to determine calculated purge volume. All well casings are 2-inch polyvinyl chloride, except for MW-5A, which has a 4-inch diameter.

Dedicated Waterra tubing and check-ball systems were installed in MW-1, MW-1A, MW-2, MW-2A, MW-3, MW-3A, MW-4, and MW-4A and purged and sampled with an inertial pump. Dedicated tubing was installed in MW-5A, but due to the required purge volume of water, this onsite well was sampled and purged with an electronic centrifugal pump. Each onsite monitoring well was purged to remove standing water within the well casing that may not be representative of formation water. Purge water samples were monitored in the field for temperature, pH, electrical conductivity (EC), oxidation-reduction potential (ORP), turbidity, and dissolved oxygen (DO). All purged water was released to the ground.

Instrument calibration was carried out daily in the field prior to measuring purge parameters. Field records for water sampling events are included in Attachment **3 - Field Records**.

Groundwater samples were collected for laboratory analysis after a minimum of three well casing volumes of water had been removed and the field parameters for purge water had stabilized. During sampling, DTW measurements were taken and recorded for draw-down after each purge. The following target criteria for three consecutive measurements were used to define stabilization:

- temperature +/- 0.1 degrees Celsius
- specific conductance +/- 3%
- pH +/- 0.1 units
- ORP +/- 10 millivolts

Samples were collected in the appropriate laboratory prepared containers, labeled, and placed directly into an ice cooled chest and delivered under chain-of-custody protocols by the project manager to DLI's analytical laboratory. Samples for metals analysis were filtered prior to preservation and digestion using a 0.45-micron filter.

As requested, quarterly groundwater samples were analyzed at DLI for pH, electrical conductivity (EC), total dissolved solids (TDS), Nitrate-N (NO_3-N), ammonia as nitrogen (NH_4-N), dissolved iron (Fe), dissolved manganese (Mn), and total coliform organisms (TCO) were subcontracted to BSK Associates (BSK).

DLI's analytical laboratory is certified by the Environmental Laboratory Accreditation Program (Certificate No. 1595) for the analyses provided herein. BSK is certified by the Environmental Laboratory Accreditation Program (Certificate No. 1180) for TCO utilizing Standard Method 9221B.

Historical quarterly water quality data and trend graphs are presented in **Attachment 4 - Historical Quarterly Groundwater Quality Data and Graphs** and the annual standards minerals historical data is presented in **Attachment 5 - Historical Annual Standard Minerals Groundwater Quality Data**. Copies of the laboratory analytical reports for this quarter are included in **Attachment 6 - Reports of Water Analysis (Onsite Monitoring Wells)**.

LIMITATIONS STATEMENT

This report has been reviewed by a Professional Geologist in the State of California. DLI's professional services were performed consistent with generally accepted environmental principles and practices in California at the time the services were performed. Data in this report, prior to 28 November 2022, was based on data collected and provided by others. No guarantee or warranty, expressed or implied, is made.

This Report was prepared for the sole use of Dischargers regulated under R5-2013-0022, Provost & Pritchard Consulting Group, and involved regulatory agencies. It may not be used or relied upon by any other person(s) without the express written consent and authorization of the City of Ione and DLI. If any errors are found in the information used for this report, the inferences and conclusions shall not be considered valid unless the changes or errors are reviewed by the supervising Professional Geologist and re-approved in writing. Any questions regarding the content of this document should be directed to the DLI Project Manager or the City Manager for Ione.

If you have any questions concerning this report, please do not hesitate to call me at (408) 667-7661 or e-mail inquiries to l.rubin@dellavallelab.com.

Thank you,



Lisa A. Rubin, CCA

Attachments

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Attachment 1
Groundwater Elevation and Analytical Results Discussion

DELLAVALLE™
LABORATORY INC

1910 W. McKinley Avenue, Suite 110 ● Fresno, California 93728-1298
Phone (559) 233-6129 ● (800) 228-9896 ● Fax (559) 268-8174
Website: dellavallelab.com

PROVOST&PRITCHARD
CONSULTING GROUP

455 W Fir Ave • Clovis, CA 93611 • (559) 449-2700
www.provostandpritchard.com

July 19, 2023

Lisa Rubin, CCA
Dellavalle Laboratory, Inc.
1910 W. McKinley Avenue #110
Fresno, CA 93728

RE: Ione WWTF, Groundwater Monitoring Report, Second Quarter 2023, Groundwater Elevation and Analytical Results Discussion

Dear Ms. Rubin:

This document was prepared by Provost & Pritchard Consulting Group (Provost & Pritchard) for Dellavalle Laboratory, Inc. (DLI) for the Ione Wastewater Treatment Facility (WWTF) in Ione, California, which is subject to Monitoring and Reporting Program (MRP) R5-2013-0022 (REV1). The following discussion is based on the information presented in the Ione Wastewater Treatment Facility, Groundwater Monitoring Network Report, R5-2013-0022-REV1, Second Quarter 2023 prepared by DLI.

GROUNDWATER ELEVATION

Well locations and depth to water measurements for the second quarter 2023 groundwater sampling event at the Ione WWTF site were provided in Attachment 2 of the DLI report. Top of casing elevations were obtained from the previous consultants work product, provided by the City of Ione. Groundwater elevations were calculated and are shown on the enclosed Groundwater Elevation Map, prepared by a Provost & Pritchard Professional Geologist. This quarter 8 of the monitoring points were not accessible during the scheduled sample date, 5/17/23. The sampling contractor returned on 6/26/23 to collect depth to water measurements and water quality samples. MW-4 and P1 were remeasured on this return visit and water levels had decreased 1.4 and 0.9 feet, respectively, since 5/17/23. Thus, contours utilizing data collected on 6/26/23 are considered estimates and are dashed. Dashed contours were not used in calculating groundwater gradient. Also, groundwater levels in MW-08-2A and MW-08-2B differed appreciably this quarter, so the level from the shallower well, MW-08-2B, was utilized for contour estimates.

The calculated groundwater gradient across the WWTF site based on the contours for the sample date is approximately 0.005 feet per foot (ft/ft) to the west. According to the discussion by the previous consultant, groundwater gradient was to the west-southwest at approximately 0.005 ft/ft in the 4th quarter of 2021. Provost & Pritchard calculated the gradient for the previous two quarters at approximately 0.004 ft/ft southwest. Thus, this quarter's gradient seems consistent with historical flow.

Based on hydrographs produced using historical groundwater elevations at the site, it appears that often the highest groundwater elevation occurs in the 1st quarter and the lowest in the 3rd quarter. This quarter (2nd) groundwater elevations decreased about 0.8 to 4.4 feet from the previous quarter, consistent with historical trends. Changes in groundwater elevation this quarter from the 2nd quarter of 2022 ranged from a decrease of 0.7 feet to an increase of 2.6 feet; the piezometers and offsite monitoring wells generally increased while the onsite monitoring wells were mixed.

ANALYTICAL RESULTS

Based on the quarterly analytical results in Attachment 4 of the DLI report, this quarter's results were fairly consistent with historical temporal trends. Total coliform organism (TCO) and nitrate as nitrogen (NO3-N) concentrations have no apparent increasing or decreasing trend but have had large variations over the years. This quarter TCO was reported lower than recent results in MW-1A and was not detected in the other wells. NO3-N decreased considerably in MW-1A and MW-4 and increased in some of the wells this quarter. Ammonia concentrations over time appear to be trending slightly down in MW-2, MW-2A, and MW-3A, and relatively stable in the remainder of wells. MW-3A, which historically has the highest ammonia concentration, had a notable decrease this quarter. Field pH and total dissolved solids (TDS) concentrations appear to be fairly consistent over time. TDS appears to have decreased in most of the wells this quarter. Dissolved iron concentrations have been trending downward over time, however had notable increases in MW-2A and MW-3A this quarter. Manganese appears to be increasing over time in MW-4, which had a slight decrease this quarter, with no apparent trend in the other wells.

The historical quarterly analytical results do not illustrate spatial trends in the concentrations of TCO or NO3-N. Historical field pH measurements may have a weak spatial trend, however values across wells have a tight range and are not easily discernible. TDS concentration appears to have a spatial trend, with MW-1 (upgradient) historically having the lowest concentration and MW-3 (downgradient of ponds) often having the highest concentration. This quarter MW-2A (cross-gradient of ponds) had the lowest TDS concentration and MW-1A (upgradient) was highest, as was true last quarter.

The wells nearest the ponds generally have elevated concentrations of ammonia, dissolved iron, and dissolved manganese relative to the other wells. Ammonia is historically highest in MW-3A, MW-2A, MW-2, and MW-3, from highest to lowest concentrations, and low or not detected in the other wells. Ammonia concentrations were within historical spatial trends this quarter, although MW-3A had its lowest reported value. Dissolved iron is historically elevated in MW-2A, MW 3A, and MW-2, in descending order and low to not detected in the remaining wells, which was true this quarter. Generally, dissolved iron concentrations have been decreasing trend since about 2016. Dissolved manganese concentrations have a historical spatial trend of MW-3A, MW-3, MW-2, and MW-2A being elevated, in order of highest to lowest, and downgradient MW-4 slightly elevated. The dissolved manganese trend continued this quarter.

Groundwater limitations for the site are set at 2.2 MPN/100mL as a 7-day median for total coliform and at respective primary or secondary maximum concentration limits (MCLs) identified in Title 22 of the California Code of Regulations. Groundwater limitation values were exceeded for iron in MW-2A and MW-3A; and manganese (secondary MCL) in MW-2, MW-2A, MW-3, MW-3A, MW-4, and MW-5A.

LIMITATIONS

This document has been prepared for the sole use of DLI, the City of Ione, and involved regulatory agencies. Any other person or entity without the express written consent of Provost & Pritchard Consulting Group may not rely upon this document.

Provost & Pritchard's professional services were performed consistent with generally accepted environmental principles and practices in California at the time the services were performed.

No assessment can eliminate uncertainty regarding the potential for recognized environmental conditions. This document is intended to reduce, but not eliminate this uncertainty, recognizing reasonable limits of time and cost. Subsurface variations cannot be known, or entirely accounted for, despite exhaustive testing. This document should not be regarded as a guarantee that no further recognized environmental conditions are present on or beneath the site, beyond that which could have been detected within the scope of work.

In developing this report, Provost & Pritchard has relied on information that was prepared or provided by others. Provost & Pritchard assumes that this information is accurate and correct, unless noted. Changes in

existing conditions at the site due to time lapse, natural causes, or operations on adjoining properties, may deem the information inappropriate.

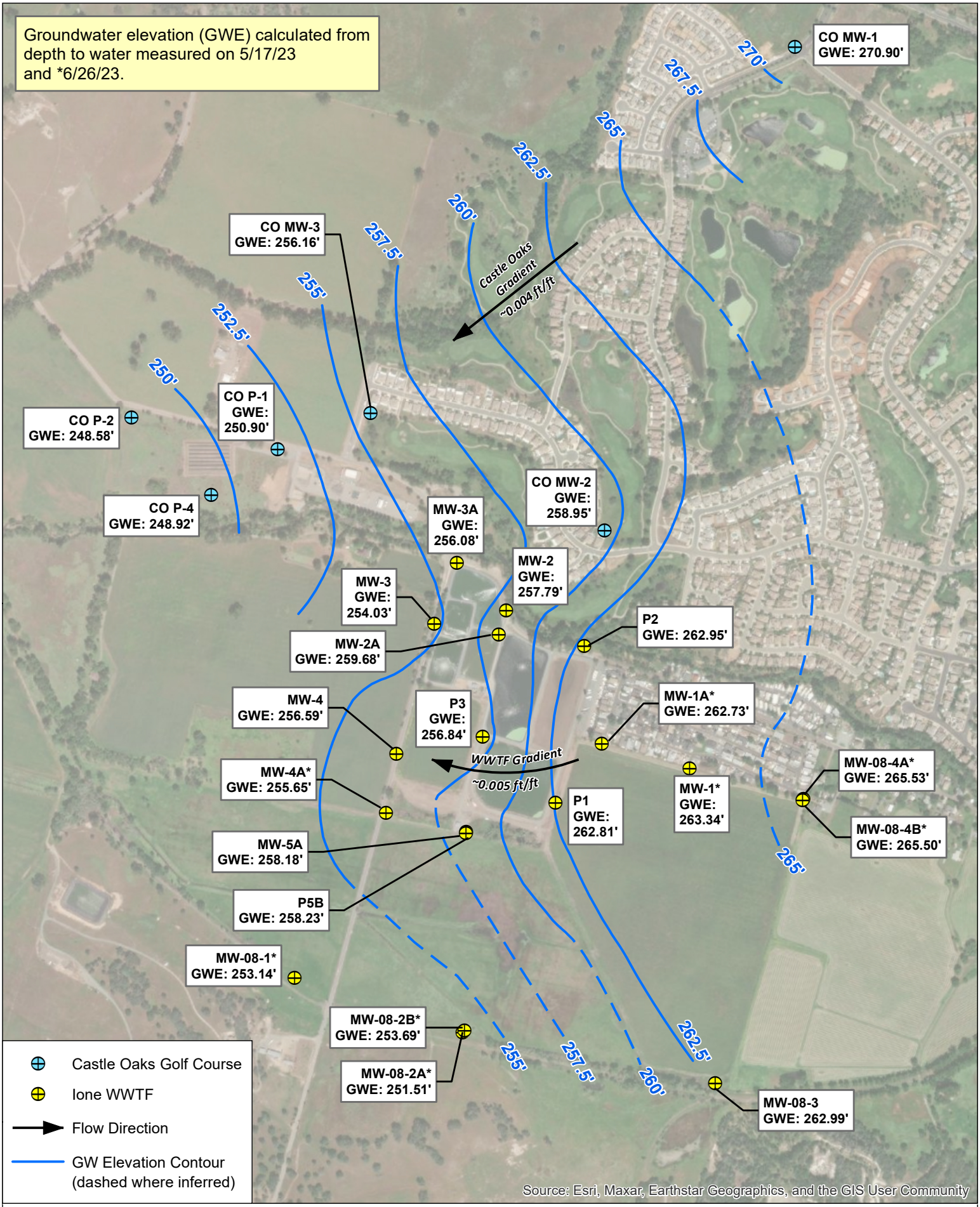
No guarantee or warranty, expressed or implied, is made.

Respectfully,



Darylyn Tachella, PG
Senior Geologist

Enclosure: Groundwater Elevation Map for 5/17/23 and 6/26/23



Groundwater Elevation Map

Ione WWTF & Castle Oaks Golf Course

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Attachment 2
Groundwater Monitoring Network
Measurements and Graphs

DELLAVALLE™
LABORATORY INC

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DELLAVALLE LABORATORY INC

Historical Groundwater Monitoring Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Survey Mark Elevation	Depth to Water	Ground Water Elevation	Volume Purged, gal.	Temp.	Field pH	Field EC	Dissolved Oxygen	Oxidation/ Reduction Potential	Turbidity
Method		Surveyed	Probe	Calculated	Measured	Metered	Metered	Metered	Metered	Metered	Metered
Units:		ft. msl	ft	ft. msl	gal	deg C	std units	umhs/cm	mg/L	Mv	NTU
MW1	7/16/02	274.17	12.25	261.92			6.90				
MW1	9/18/02	274.17	14.21	259.96							
MW1	10/29/02	274.17	15.31	258.86							
MW1	11/22/02	274.17	12.85	261.32							
MW1	12/31/02	274.17	11.11	263.06							
MW1	1/21/03	274.17	15.21	258.96							
MW1	6/30/03	274.17	11.72	262.45			6.80				
MW1	7/31/03	274.17	13.19	260.98							
MW1	8/31/03	274.17	14.19	259.98							
MW1	9/30/03	274.17	14.98	259.19			6.90				
MW1	10/31/03	274.17	15.30	258.87							
MW1	11/30/03	274.17	12.47	261.70							
MW1	12/31/03	274.17	10.97	263.20			6.80				
MW1	1/31/04	274.17	10.62	263.55							
MW1	2/20/04	274.17	10.21	263.96							
MW1	3/31/04	274.17	10.22	263.95			6.80				
MW1	5/2/04	274.17	11.01	263.16							
MW1	6/1/04	274.17	11.53	262.64							
MW1	6/30/04	274.17	12.55	261.62			6.80				
MW1	7/31/04	274.17	13.72	260.45							
MW1	9/4/04	274.17	14.24	259.93							
MW1	10/1/04	274.17	14.82	259.35			6.90				

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City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Survey Mark Elevation	Depth to Water	Ground Water Elevation	Volume Purged, gal.	Temp.	Field pH	Field EC	Dissolved Oxygen	Oxidation/ Reduction Potential	Turbidity
Method		Surveyed	Probe	Calculated	Measured	Metered	Metered	Metered	Metered	Metered	Metered
Units:		ft. msl	ft	ft. msl	gal	deg C	std units	umhs/cm	mg/L	Mv	NTU
MW1	1/4/05	274.17	10.03	264.14			6.80				
MW1	4/1/05	274.17	8.15	266.02			6.90				
MW1	6/30/05	274.17	9.89	264.28			6.80				
MW1	10/11/05	274.17	12.93	261.24	15.0	18.4	6.80	310	3.00	172.0	
MW1	1/17/06	274.17	8.58	265.59							
MW1	2/9/06	274.17	9.21	264.96	8.0	17.5	6.90	320	5.70	106.0	
MW1	3/10/06	274.17	8.42	265.75							
MW1	4/29/06	274.17	8.62	265.55							
MW1	5/23/06	274.17	9.92	264.25	14.0	16.3	6.80	330	13.40	281.0	
MW1	6/30/06	274.17	10.93	263.24							
MW1	7/25/06	274.17	11.13	263.04							
MW1	8/24/06	274.17	11.61	262.56	12.0	17.8	6.80	340	5.60	284.0	
MW1	9/29/06	274.17	10.89	263.28							
MW1	10/24/06	274.17	9.81	264.36							
MW1	11/30/06	274.17	9.59	264.58							
MW1	12/29/06	274.17	9.48	264.69							
MW1	1/31/07	274.17	9.89	264.28							
MW1	2/27/07	274.17	8.93	265.24							
MW1	3/30/07	274.17	9.82	264.35	14.0	17.1	6.90	95	6.70	214.0	
MW1	4/30/07	274.17	10.26	263.91							
MW1	5/31/07	274.17	11.06	263.11							
MW1	6/25/07	274.17	11.36	262.81	8.0	17.5	6.90	85	8.00	284.0	
MW1	7/29/07	274.17	11.85	262.32							
MW1	8/30/07	274.17	13.10	261.07							
MW1	9/27/07	274.17	13.72	260.45	8.0	18.9	6.90	300	7.20	136.0	
MW1	12/27/07	274.17	10.46	263.71	8.0	17.8	6.80	370	4.20	127.0	

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Historical Groundwater Monitoring Data
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R5-2013-0022-REV1

Sample ID	Date	Survey Mark Elevation	Depth to Water	Ground Water Elevation	Volume Purged, gal.	Temp.	Field pH	Field EC	Dissolved Oxygen	Oxidation/ Reduction Potential	Turbidity
Method		Surveyed	Probe	Calculated	Measured	Metered	Metered	Metered	Metered	Metered	Metered
Units:		ft. msl	ft	ft. msl	gal	deg C	std units	umhs/cm	mg/L	Mv	NTU
MW1	2/2/08	274.17	9.34	264.83							
MW1	3/2/08	274.17	9.92	264.25							
MW1	7/7/08	274.17	11.89	262.28	7.0	17.2	7.04	291	7.90	126.0	
MW1	10/10/08	274.17	14.22	259.95	5.0	18.6	6.47	261	6.00	59.2	
MW1	11/5/08	274.17	14.21	259.96							
MW1	12/29/08	274.17	11.96	262.21	7.0	18.2	6.70	298	3.40	130.0	
MW1	3/11/09	274.17	9.56	264.61	8.0	14.3	6.86	292	5.40	126.3	
MW1	6/16/09	274.17	10.89	263.28	8.0	17.1	6.75	284	5.30	3.0	
MW1	9/22/09	274.17	14.48	259.69	5.0	17.7	6.11	274	5.98	124.3	
MW1	12/15/09	274.17	12.64	261.53	8.0	17.9	7.08	256	2.90	103.7	
MW1	3/22/10	274.17	9.78	264.39	8.0	14.7	6.81	358	7.42	192.3	
MW1	6/22/10	274.17	10.87	263.30	8.0	16.5	6.73	331	7.95	148.0	
MW1	9/22/10	274.17	12.91	261.26	6.0	17.2	6.78	304	4.68	115.2	
MW1	12/13/10	274.17	10.44	263.73	8.0	16.8	6.97	290	2.93	-12.6	
MW1	3/29/11	274.17	7.61	266.56	9.0	16.0	6.75	311	5.81	-136.1	
MW1	6/22/11	274.17	9.91	264.26	8.0	16.4	6.85	286	6.47	112.8	
MW1	9/13/11	274.17	11.45	262.72	7.0	17.3	6.59	234	4.11	210.1	
MW1	12/14/11	274.17	10.31	263.86	8.0	16.7	7.65	264	3.39	-51.6	
MW1	3/21/12	274.17	8.99	265.18	8.0	16.1	6.31	248	5.34	100.8	
MW1	6/26/12	274.17	10.75	263.42	8.0	16.4	6.73	247	4.65	183.0	
MW1	9/27/12	274.17	13.26	260.91	6.0	17.3	6.28	246	3.24	32.0	
MW1	12/19/12	274.17	10.72	263.45	8.0	17.1	7.12	234	2.84	-54.9	
MW1	3/13/13	274.17	10.42	263.75	9.0	16.4	6.69	290	5.63	87.0	
MW1	6/27/13	274.17	12.05	262.12	7.0	16.9	7.29	255	5.28	130.0	
MW1	9/12/13	274.17	14.99	259.18	10.0	18.0	6.65	267	4.86	127.9	

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City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Survey Mark Elevation	Depth to Water	Ground Water Elevation	Volume Purged, gal.	Temp.	Field pH	Field EC	Dissolved Oxygen	Oxidation/ Reduction Potential	Turbidity
Method		Surveyed	Probe	Calculated	Measured	Metered	Metered	Metered	Metered	Metered	Metered
Units:		ft. msl	ft	ft. msl	gal	deg C	std units	umhs/cm	mg/L	Mv	NTU
MW1	12/11/13	274.17	15.45	258.72	5.0	18.4	6.76	275	3.36	50.6	
MW1	3/4/14	274.17	10.29	263.88	8.0	16.6	7.40	321	6.46	130.3	
MW1	6/17/14	274.17	12.25	261.92	7.0	17.4	6.74	315	6.52	84.5	
MW1	9/18/14	274.17	16.82	257.35	5.0	18.5	6.75	286	6.81	35.7	
MW1	12/18/14	274.17	12.82	261.35	6.0	18.8	6.77	258	3.52	65.0	
MW1	3/24/15	274.17	11.08	263.09	8.0	16.6	6.68	344	7.63	69.8	
MW1	6/11/15	274.17	11.34	262.83	8.0	17.5	6.53	327	7.45	135.0	
MW1	9/17/15	274.17	16.33	257.84	5.0	19.1	6.61	331	6.00	133.8	
MW1	12/16/15	274.17	12.49	261.68	9.0	19.4	6.70	380	2.69	45.7	
MW1	3/29/16	274.17	8.87	265.30	8.0	17.2	6.65	357	6.87	141.9	
MW1	6/21/16	274.17	10.89	263.28	8.0	17.5	6.53	331	7.56	145.9	
MW1	9/8/16	274.17	14.62	259.55	9.0	18.6	6.46	298	4.85	172.4	
MW1	12/8/16	274.17	11.17	263.00	8.0	18.4	6.70	298	3.89	88.9	
MW1	3/9/17	274.17	8.19	265.98	9.0	16.7	6.70	357	5.10	183.9	
MW1	6/14/17	274.17	10.03	264.14	10.0	16.4	6.64	366	5.43	231.0	
MW1	9/13/17	274.17	11.70	262.47	7.0	17.4	6.72	297	3.87	168.3	
MW1	12/5/17	274.17	10.00	264.17	8.0	17.3	6.79	271	2.41	185.0	
MW1	3/9/18	274.17	9.65	264.52	9.0	16.8	6.87	340	3.80	140.0	
MW1	6/15/18	274.17	10.09	264.08	9.0	18.0	6.81	337	3.70	135.0	
MW1	9/17/18	274.17	12.97	261.20	7.0	19.5	6.78	328	7.90	146.0	
MW1	12/17/18	274.17	12.02	262.15	7.5	19.5	6.83	295	2.70	160.0	

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City of Ione WWTF
R5-2013-0022-REV1

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Method		Surveyed	Probe	Calculated	Measured	Metered	Metered	Metered	Metered	Metered	Metered
Units:		ft. msl	ft	ft. msl	gal	deg C	std units	umhs/cm	mg/L	Mv	NTU
MW1	3/18/19	274.17	8.63	265.54	9.0	18.1	6.81	270	5.00	198.0	
MW1	5/13/19	274.17	10.01	264.16	8.5	17.6	7.64	285	4.50	175.0	
MW1	9/16/19	274.17	12.18	261.99	7.5	19.2	6.76	260	4.50	28.0	
MW1	12/6/19	274.17	9.64	264.53	8.5	16.8	6.88	258	3.82	269.0	
MW1	3/16/20	274.17	9.40	264.77	9.0	15.9	6.98	261	4.87	227.0	
MW1	6/16/20	274.17	10.69	263.48	8.0	18.1	6.92	246	5.24	213.0	
MW1	9/14/20	274.17	14.20	259.97	7.0	19.3	6.86	243	3.17	143.0	
MW1	12/15/20	274.17	12.58	261.59	7.0	18.0	7.01	292	3.94	196.0	
MW1	3/17/21	274.17	10.23	263.94	8.5	16.2	7.03	301	8.04	213.0	
MW1	6/22/21	274.17	12.33	261.84	7.5	18.4	6.92	255	6.78	119.0	
MW1	9/21/21	274.17	16.65	257.52	5.5	19.7	6.71	272	4.72	161.0	
MW1	12/14/21	274.17	11.02	263.15	8.0	16.6	7.00	172	6.68	171.0	
MW1	3/16/22	274.17	10.67	263.50	8.0	17.3	6.74	217	9.65	122.0	
MW1	6/15/22	274.17	10.67	263.50	8.5	17.3	6.40	237	6.95	137.0	
MW1	9/21/22	274.17	15.61	258.56	6.0	19.2	6.80	229	4.60	106.0	
MW1	11/28/22	274.17	15.62	258.55	6.0	18.9	6.90	329	5.40	130.0	125
MW1	3/2/23	274.17	8.62	265.55	9.0	16.6	7.02	337	7.30	99.0	117
MW1	6/26/23	274.17	10.83	263.34	9.0	16.9	6.97	337	5.10	240.0	115

DELLAVALLE LABORATORY INC

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City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Survey Mark Elevation	Depth to Water	Ground Water Elevation	Volume Purged, gal.	Temp.	Field pH	Field EC	Dissolved Oxygen	Oxidation/ Reduction Potential	Turbidity
Method		Surveyed	Probe	Calculated	Measured	Metered	Metered	Metered	Metered	Metered	Metered
Units:		ft. msl	ft	ft. msl	gal	deg C	std units	umhs/cm	mg/L	Mv	NTU
MW1A	8/30/07	274.09	13.46	260.63							
MW1A	9/24/07	274.09	13.82	260.27							
MW1A	10/31/07	274.09	12.98	261.11							
MW1A	11/29/07	274.09	11.33	262.76							
MW1A	12/27/07	274.09	10.63	263.46	22.0	18.2	6.83	770	0.50	175.0	
MW1A	2/2/08	274.09	9.82	264.27							
MW1A	3/2/08	274.09	10.41	263.68							
MW1A	7/7/08	274.09	12.33	261.76	14.0	18.7	6.51	488	4.14	192.0	
MW1A	10/10/08	274.09	14.27	259.82	18.0	18.0	6.59	427	3.24	43.0	
MW1A	11/5/08	274.09	14.23	259.86							
MW1A	12/29/08	274.09	12.41	261.68	14.0	18.7	6.64	445	2.96	168.0	
MW1A	3/11/09	274.09	10.24	263.85	15.0	17.7	6.77	408	2.51	114.5	
MW1A	6/16/09	274.09	11.28	262.81	16.0	18.3	6.67	350	4.06	-26.7	
MW1A	9/22/09	274.09	14.42	259.67	14.0	18.1	6.81	448	2.69	89.8	
MW1A	12/15/09	274.09	12.72	261.37	19.0	18.0	7.29	465	2.63	99.8	
MW1A	3/22/10	274.09	10.34	263.75	16.0	18.4	6.85	407	3.49	140.0	

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Sample ID	Date	Survey Mark Elevation	Depth to Water	Ground Water Elevation	Volume Purged, gal.	Temp.	Field pH	Field EC	Dissolved Oxygen	Oxidation/ Reduction Potential	Turbidity
Method		Surveyed	Probe	Calculated	Measured	Metered	Metered	Metered	Metered	Metered	Metered
Units:		ft. msl	ft	ft. msl	gal	deg C	std units	umhs/cm	mg/L	Mv	NTU
MW1A	6/22/10	274.09	11.48	262.61	15.0	17.6	6.68	411	5.28	194.0	
MW1A	9/22/10	274.09	13.05	261.04	14.0	17.5	6.71	387	3.01	287.0	
MW1A	12/13/10	274.09	10.87	263.22	15.0	17.4	6.94	401	2.13	53.2	
MW1A	3/29/11	274.09	8.11	265.98	17.0	17.0	6.75	368	4.45	-147.8	
MW1A	6/22/11	274.09	10.23	263.86	16.0	17.6	6.05	376	1.65	85.2	
MW1A	9/13/11	274.09	11.97	262.12	15.0	17.4	6.59	297	2.17	142.1	
MW1A	12/14/11	274.09	10.96	263.13	15.0	17.3	6.54	317	2.87	-27.8	
MW1A	3/21/12	274.09	9.38	264.71	16.0	17.1	6.57	293	2.98	60.9	
MW1A	6/26/12	274.09	11.20	262.89	15.0	17.1	6.42	336	2.01	133.7	
MW1A	9/27/12	274.09	13.27	260.82	14.0	16.9	6.41	362	1.82	75.8	
MW1A	12/19/12	274.09	11.14	262.95	15.0	17.3	6.96	392	1.25	-60.1	
MW1A	3/11/13	274.09	10.99	263.10	15.0	17.1	6.67	318	2.37	62.6	
MW1A	6/27/13	274.09	12.59	261.50	14.0	17.1	6.79	303	4.31	103.3	
MW1A	9/12/13	274.09	15.19	258.90	14.0	17.4	6.76	309	4.00	139.3	

DELLAVALLE LABORATORY INC

Historical Groundwater Monitoring Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Survey Mark Elevation	Depth to Water	Ground Water Elevation	Volume Purged, gal.	Temp.	Field pH	Field EC	Dissolved Oxygen	Oxidation/ Reduction Potential	Turbidity
Method		Surveyed	Probe	Calculated	Measured	Metered	Metered	Metered	Metered	Metered	Metered
Units:		ft. msl	ft	ft. msl	gal	deg C	std units	umhs/cm	mg/L	Mv	NTU
MW1A	12/12/13	274.09	15.40	258.69	13.0	17.0	6.90	318	2.11	58.4	
MW1A	3/4/14	274.09	10.15	263.94	16.0	17.2	6.83	359	4.28	139.7	
MW1A	6/17/14	274.09	12.98	261.11	15.0	17.5	6.65	408	3.19	82.4	
MW1A	9/18/14	274.09	16.84	257.25	12.0	17.6	6.79	342	3.05	26.5	
MW1A	12/18/14	274.09	11.64	262.45	15.0	19.0	6.63	488	3.63	63.6	
MW1A	3/24/15	274.09	11.75	262.34	16.0	18.0	6.67	450	2.82	61.7	
MW1A	6/11/15	274.09	11.31	262.78	20.0	18.2	6.41	457	2.06	130.4	
MW1A	9/17/15	274.09	16.46	257.63	13.0	18.1	6.70	452	0.58	132.3	
MW1A	12/16/15	274.09	11.75	262.34	15.0	19.5	6.62	481	3.69	47.9	
MW1A	3/29/16	274.09	8.73	265.36	17.0	16.7	6.66	440	1.15	138.3	
MW1A	6/21/16	274.09	11.18	262.91	15.0	15.7	6.27	433	1.21	147.9	
MW1A	9/8/16	274.09	14.85	259.24	14.0	16.4	6.77	475	0.47	174.9	
MW1A	12/8/16	274.09	11.41	262.68	15.0	18.1	6.59	495	2.23	95.2	
MW1A	3/9/17	274.09	8.35	265.74	17.0	17.5	6.66	456	2.32	177.8	

DELLAVALLE LABORATORY INC

Historical Groundwater Monitoring Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Survey Mark Elevation	Depth to Water	Ground Water Elevation	Volume Purged, gal.	Temp.	Field pH	Field EC	Dissolved Oxygen	Oxidation/ Reduction Potential	Turbidity
Method		Surveyed	Probe	Calculated	Measured	Metered	Metered	Metered	Metered	Metered	Metered
Units:		ft. msl	ft	ft. msl	gal	deg C	std units	umhs/cm	mg/L	Mv	NTU
MW1A	6/14/17	274.09	10.54	263.55	17.0	17.6	6.66	439	0.48	190.5	
MW1A	9/13/17	274.09	12.43	261.66	14.0	17.8	6.71	442	2.49	136.7	
MW1A	12/5/17	274.09	10.33	263.76	16.0	18.9	6.67	480	2.03	185.9	
MW1A	3/9/18	274.09	10.04	264.05	16.0	17.9	6.77	578	3.40	154.0	
MW1A	6/15/18	274.09	10.21	263.88	16.0	18.2	6.64	530	3.20	137.0	
MW1A	9/17/18	274.09	12.94	261.15	15.0	19.2	6.79	577	7.30	129.0	
MW1A	12/17/18	274.09	12.51	261.58	15.0	18.6	6.79	505	1.10	150.0	
MW1A	3/18/19	274.09	9.19	264.90	16.5	18.7	6.77	310	1.00	175.0	
MW1A	5/13/19	274.09	10.57	263.52	16.0	18.7	8.02	347	3.30	164.0	
MW1A	9/16/19	274.09	12.53	261.56	10.0	21.1	6.65	425	5.20	74.0	
MW1A	12/16/19	274.09	9.63	264.46	16.5	19.3	6.74	475	1.40	225.0	
MW1A	3/16/20	274.09	9.60	264.49	16.5	17.0	6.84	474	2.40	203.0	
MW1A	6/16/20	274.09	11.43	262.66	15.5	20.6	6.84	374	1.91	201.0	
MW1A	9/14/20	274.09	14.69	259.40	14.0	19.9	6.80	400	1.81	166.0	

DELLAVALLE LABORATORY INC

Historical Groundwater Monitoring Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Survey Mark Elevation	Depth to Water	Ground Water Elevation	Volume Purged, gal.	Temp.	Field pH	Field EC	Dissolved Oxygen	Oxidation/ Reduction Potential	Turbidity
Method		Surveyed	Probe	Calculated	Measured	Metered	Metered	Metered	Metered	Metered	Metered
Units:		ft. msl	ft	ft. msl	gal	deg C	std units	umhs/cm	mg/L	Mv	NTU
MW1A	12/15/20	274.09	12.50	261.59	15.0	18.9	6.85	480	7.30	181.0	
MW1A	3/17/21	274.09	10.64	263.45	16.0	17.4	6.92	482	4.13	183.0	
MW1A	6/22/21	274.09	13.02	261.07	16.5	20.6	6.76	457	2.66	109.0	
MW1A	9/21/21	274.09	16.91	257.18	13.0	20.8	6.67	409	1.31	199.0	
MW1A	12/14/21	274.09	11.37	262.72	15.5	16.9	6.87	209	3.06	194.0	
MW1A	3/15/22	274.09	11.38	262.71	15.5	18.6	6.70	213	5.97	128.0	
MW1A	6/15/22	274.09	11.08	263.01	15.5	18.5	6.39	290	3.95	122.0	
MW1A	9/22/22	274.09	15.53	258.56	13.5	19.1	6.70	278	3.50	128.0	
MW1A	11/28/22	274.09	15.30	258.79	13.5	18.1	6.82	373	1.10	130.0	+1000
MW1A	3/2/23	274.09	8.79	265.30	18.0	16.9	6.95	513	3.80	76.0	238
MW1A	6/26/23	274.09	11.36	262.73	15.0	16.8	6.95	395	2.20	216.0	511

DELLAVALLE™
LABORATORY INC

Historical Groundwater Monitoring Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Survey Mark Elevation	Depth to Water	Ground Water Elevation	Volume Purged, gal.	Temp.	Field pH	Field EC	Dissolved Oxygen	Oxidation/ Reduction Potential	Turbidity
Method		Surveyed	Probe	Calculated	Measured	Metered	Metered	Metered	Metered	Metered	Metered
Units:		ft. msl	ft	ft. msl	gal	deg C	std units	umhs/cm	mg/L	Mv	NTU
MW2	7/16/02	272.37	14.35	258.02							
MW2	9/18/02	272.37	14.71	257.66							
MW2	10/29/02	272.37	15.00	257.37							
MW2	11/22/02	272.37	13.18	259.19							
MW2	12/31/02	272.37	12.82	259.55							
MW2	1/21/03	272.37	14.72	257.65							
MW2	6/30/03	272.37	13.70	258.67							
MW2	7/31/03	272.37	14.33	258.04							
MW2	8/31/03	272.37	14.56	257.81							
MW2	9/30/03	272.37	14.71	257.66							
MW2	10/31/03	272.37	14.92	257.45							
MW2	11/30/03	272.37	13.60	258.77							
MW2	12/31/03	272.37	13.18	259.19							
MW2	1/31/04	272.37	13.50	258.87							
MW2	2/20/04	272.37	13.11	259.26							
MW2	3/31/04	272.37	13.47	258.90							
MW2	5/2/04	272.37	13.64	258.73							
MW2	6/1/04	272.37	13.79	258.58							
MW2	6/30/04	272.37	14.19	258.18							
MW2	7/31/04	272.37	14.54	257.83							
MW2	9/4/04	272.37	15.03	257.34							
MW2	10/1/04	272.37	15.37	257.00							
MW2	1/4/05	272.37	12.57	259.80							
MW2	4/1/05	272.37	12.20	260.17							
MW2	6/30/05	272.37	13.43	258.94							
MW2	10/6/05	272.37	13.45	258.92	5.0	19.2	6.20	500	0.20	119.0	
MW2	1/17/06	272.37	12.97	259.40							
MW2	2/10/06	272.37	13.36	259.01	7.0	19.5	6.90	390	0.30	-178.0	
MW2	3/10/06	272.37	12.14	260.23							
MW2	4/29/06	272.37	12.88	259.49							
MW2	5/23/06	272.37	13.43	258.94	18.0	17.7	7.00	360	7.20	-23.0	

DELLAVALLE™
LABORATORY INC

Historical Groundwater Monitoring Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Survey Mark Elevation	Depth to Water	Ground Water Elevation	Volume Purged, gal.	Temp.	Field pH	Field EC	Dissolved Oxygen	Oxidation/ Reduction Potential	Turbidity
Method		Surveyed	Probe	Calculated	Measured	Metered	Metered	Metered	Metered	Metered	Metered
Units:		ft. msl	ft	ft. msl	gal	deg C	std units	umhs/cm	mg/L	Mv	NTU
MW2	6/30/06	272.37	14.05	258.32							
MW2	7/25/06	272.37	13.98	258.39							
MW2	8/24/06	272.37	15.30	257.07	8.0	19.0	6.60	360	5.60	80.0	
MW2	9/29/06	272.37	14.07	258.30							
MW2	10/24/06	272.37	13.98	258.39							
MW2	11/30/06	272.37	14.06	258.31							
MW2	12/29/06	272.37	13.88	258.49							
MW2	1/31/07	272.37	14.35	258.02							
MW2	2/27/07	272.37	12.62	259.75							
MW2	3/30/07	272.37	14.05	258.32	13.0	19.1	6.70	240	4.90	-108.0	
MW2	4/30/07	272.37	14.12	258.25							
MW2	5/31/07	272.37	14.36	258.01							
MW2	6/25/07	272.37	14.52	257.85	15.0	18.4	6.95	420	6.30	-46.0	
MW2	7/29/07	272.37	14.59	257.78							
MW2	8/30/07	272.37	14.86	257.51							
MW2	9/27/07	272.37	14.89	257.48	14.0	18.9	6.59	540	5.50	-87.0	
MW2	10/31/07	272.37	14.11	258.26							
MW2	11/29/07	272.37	13.59	258.78							
MW2	12/26/07	272.37	13.48	258.89	9.0	19.0	7.40	900	3.20	-79.0	
MW2	2/2/08	272.37	13.12	259.25							
MW2	3/2/08	272.37	13.71	258.66							
MW2	7/7/08	272.37	13.81	258.56	6.0	18.3	6.69	531	3.63	-38.2	
MW2	10/10/08	272.37	14.20	258.17	7.5	17.8	6.66	448	2.20	-76.8	
MW2	11/5/08	272.37	13.95	258.42							
MW2	12/30/08	272.37	14.08	258.29	6.0	17.7	6.98	472	1.41	-37.5	
MW2	3/12/09	272.37	13.81	258.56	6.0	17.6	7.09	461	2.19	-42.8	
MW2	6/16/09	272.37	14.24	258.13	6.0	18.0	6.93	444	1.61	-47.1	
MW2	9/22/09	272.37	14.35	258.02	6.0	18.0	6.94	441	1.89	-47.6	
MW2	12/15/09	272.37	14.08	258.29	6.0	18.4	6.99	464	3.82	-51.3	
MW2	3/22/10	272.37	13.94	258.43	6.0	19.0	7.11	479	2.09	-64.2	

DELLAVALLE LABORATORY INC

Historical Groundwater Monitoring Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Survey Mark Elevation	Depth to Water	Ground Water Elevation	Volume Purged, gal.	Temp.	Field pH	Field EC	Dissolved Oxygen	Oxidation/ Reduction Potential	Turbidity
Method		Surveyed	Probe	Calculated	Measured	Metered	Metered	Metered	Metered	Metered	Metered
Units:		ft. msl	ft	ft. msl	gal	deg C	std units	umhs/cm	mg/L	Mv	NTU
MW2	6/22/10	272.37	14.23	258.14	6.0	18.3	6.77	478	3.18	-10.6	
MW2	9/22/10	272.37	14.68	257.69	6.0	18.3	6.96	468	1.72	-57.6	
MW2	12/13/10	272.37	14.01	258.36	6.0	18.2	7.22	481	1.22	-64.1	
MW2	3/29/11	272.37	11.40	260.97	7.5	18.6	6.67	469	1.08	-155.1	
MW2	6/23/11	272.37	14.53	257.84	6.0	17.8	6.91	488	1.25	-178.1	
MW2	9/14/11	272.37	14.48	257.89	6.0	18.6	7.01	418	1.23	54.4	
MW2	12/14/11	272.37	14.09	258.28	6.0	18.7	6.55	469	1.27	-83.9	
MW2	3/21/12	272.37	13.19	259.18	6.0	18.0	6.72	439	1.35	-76.8	
MW2	6/26/12	272.37	14.64	257.73	6.0	17.8	6.86	470	2.88	-59.7	
MW2	9/27/12	272.37	14.79	257.58	6.0	18.4	6.06	462	1.16	2.3	
MW2	12/19/12	272.37	14.10	258.27	6.0	18.6	7.23	479	2.04	-90.1	
MW2	3/11/13	272.37	14.31	258.06	6.0	18.4	6.65	525	2.63	-4.8	
MW2	6/26/13	272.37	15.03	257.34	6.0	18.0	6.46	535	1.18	190.3	
MW2	9/11/13	272.37	15.59	256.78	5.0	19.0	6.57	548	2.00	-52.1	
MW2	12/11/13	272.37	15.50	256.87	5.0	18.2	6.79	543	0.80	-49.6	
MW2	3/5/14	272.37	13.55	258.82	7.0	18.7	7.58	540	1.16	-43.1	
MW2	6/17/14	272.37	14.68	257.69	4.0	18.1	6.91	509	1.20	-73.0	
MW2	9/18/14	272.37	16.10	256.27	5.0	19.1	7.08	467	1.12	-39.5	
MW2	12/18/14	272.37	13.34	259.03	7.0	19.3	7.42	499	0.76	-23.9	
MW2	3/24/15	272.37	13.70	258.67	7.0	18.0	7.04	466	0.14	-31.5	
MW2	6/11/15	272.37	13.34	259.03	8.0	18.0	6.65	451	0.12	8.6	
MW2	9/17/15	272.37	15.68	256.69	5.0	19.4	7.06	453	0.62	-75.4	
MW2	12/15/15	272.37	12.99	259.38	7.0	19.5	6.96	463	1.08	17.6	
MW2	3/29/16	272.37	13.11	259.26	7.0	18.9	6.97	460	0.10	-79.0	
MW2	6/20/16	272.37	13.61	258.76	7.0	18.9	6.61	442	0.47	-84.2	

DELLAVALLE LABORATORY INC

Historical Groundwater Monitoring Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Survey Mark Elevation	Depth to Water	Ground Water Elevation	Volume Purged, gal.	Temp.	Field pH	Field EC	Dissolved Oxygen	Oxidation/ Reduction Potential	Turbidity
Method		Surveyed	Probe	Calculated	Measured	Metered	Metered	Metered	Metered	Metered	Metered
Units:		ft. msl	ft	ft. msl	gal	deg C	std units	umhs/cm	mg/L	Mv	NTU
MW2	9/7/16	272.37	14.67	257.70	6.0	19.3	6.68	457	0.39	18.7	
MW2	12/8/16	272.37	13.53	258.84	7.0	19.4	6.93	474	0.35	-74.3	
MW2	3/10/17	272.37	12.75	259.62	3.0	18.9	6.95	487	0.16	-40.7	
MW2	6/13/17	272.37	7.15	265.22	6.0	18.6	6.94	419	0.63	-44.3	
MW2	9/13/17	272.37	14.58	257.79	6.0	19.8	6.99	447	1.47	-43.9	
MW2	12/6/17	272.37	13.73	258.64	6.0	19.5	7.02	430	0.73	-71.6	
MW2	3/9/18	272.37	13.57	258.80	6.0	18.5	7.05	529	1.30	-51.0	
MW2	6/15/18	272.37	13.96	258.41	6.0	19.2	6.56	546	1.50	-34.0	
MW2	9/17/18	272.37	14.77	257.60	6.0	19.4	7.03	574	7.30	-39.0	
MW2	12/17/18	272.37	14.62	257.75	6.0	18.8	6.98	525	1.90	-63.0	
MW2	3/18/19	272.37	14.02	258.35	6.0	18.9	7.01	425	3.10	-10.0	
MW2	5/13/19	272.37	14.43	257.94	6.0	19.1	7.01	550	2.80	-15.0	
MW2	9/16/19	272.37	15.14	257.23	6.0	18.5	6.93	540	3.00	-45.0	
MW2	12/16/19	272.37	13.62	258.75	6.5	19.3	6.91	451	1.59	-20.0	
MW2	3/16/20	272.37	13.00	259.37	6.5	15.6	6.87	546	1.83	36.0	
MW2	6/16/20	272.37	14.87	257.50	5.5	19.2	7.02	506	1.46	-28.0	
MW2	9/14/20	272.37	16.04	256.33	5.0	21.4	7.01	496	1.16	-37.0	
MW2	12/15/20	272.37	14.49	257.88	6.0	17.8	7.10	502	1.08	3.0	
MW2	3/17/21	272.37	14.00	258.37	6.0	18.3	7.19	485	1.88	30.0	
MW2	6/22/21	272.37	14.88	257.49	5.5	19.3	7.01	466	1.67	10.0	
MW2	9/21/21	272.37	17.29	255.08	4.5	21.1	6.66	527	0.83	86.0	
MW2	12/14/21	272.37	12.81	259.56	7.0	14.6	6.98	224	2.45	147.0	
MW2	3/15/22	272.37	13.75	258.62	6.5	14.0	6.75	251	3.43	87.0	
MW2	6/15/22	272.37	14.09	258.28	6.0	19.3	6.61	428	1.22	-37.0	
MW2	9/22/22	272.37	16.52	255.85	5.0	19.7	6.78	531	2.00	-12.0	
MW2	11/28/22	272.37	16.13	256.24	6.0	18.3	6.99	578	1.50	-80.0	144
MW2	3/2/23	272.37	13.42	258.95	6.0	17.6	7.37	474	1.50	-69.0	82
MW2	5/17/23	272.37	14.58	257.79	6.0	20.0	7.24	399	1.30	-67.0	81

DELLAVALLE LABORATORY INC

Historical Groundwater Monitoring Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Survey Mark Elevation	Depth to Water	Ground Water Elevation	Volume Purged, gal.	Temp.	Field pH	Field EC	Dissolved Oxygen	Oxidation/ Reduction Potential	Turbidity
Method		Surveyed	Probe	Calculated	Measured	Metered	Metered	Metered	Metered	Metered	Metered
Units:		ft. msl	ft	ft. msl	gal	deg C	std units	umhs/cm	mg/L	Mv	NTU
MW2A	9/12/13	276.26	19.14	257.12	4.5	18.7	6.88	544	1.19	-133.6	
MW2A	12/11/13	276.26	18.85	257.41	4.5	18.8	6.93	544	1.89	-93.9	
MW2A	3/5/14	276.26	15.91	260.35	6.0	14.6	8.52	545	1.32	-123	
MW2A	6/17/14	276.26	17.69	258.57	6.0	16.8	6.89	562	1.05	-129.0	
MW2A	9/18/14	276.26	19.41	256.85	4.5	22.3	7.23	422	1.20	-139.4	
MW2A	12/18/14	276.26	15.98	260.28	6.0	20.0	6.99	491	0.73	-120.9	
MW2A	3/24/15	276.26	16.50	259.76	6.5	16.5	7.23	442	0.09	-125.7	
MW2A	6/11/15	276.26	16.01	260.25	8.0	17.5	6.65	479	0.09	-70.7	
MW2A	9/17/15	276.26	19.18	257.08	4.5	21.9	7.17	487	0.40	-146.6	
MW2A	12/16/15	276.26	15.72	260.54	6.0	19.5	7.02	532	1.14	3.5	
MW2A	3/29/16	276.26	14.89	261.37	6.8	14.3	7.21	442	0.25	-131.8	
MW2A	6/21/16	276.26	16.19	260.07	6.0	18.1	6.67	541	0.68	-152.4	
MW2A	9/8/16	276.26	17.73	258.53	5.3	21.4	7.09	526	0.38	-87.6	
MW2A	12/8/16	276.26	16.18	260.08	8.0	20.2	6.96	540	0.31	-158.2	

DELLAVALLE LABORATORY INC

Historical Groundwater Monitoring Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Survey Mark Elevation	Depth to Water	Ground Water Elevation	Volume Purged, gal.	Temp.	Field pH	Field EC	Dissolved Oxygen	Oxidation/ Reduction Potential	Turbidity
Method		Surveyed	Probe	Calculated	Measured	Metered	Metered	Metered	Metered	Metered	Metered
Units:		ft. msl	ft	ft. msl	gal	deg C	std units	umhs/cm	mg/L	Mv	NTU
MW2A	3/9/17	276.26	14.43	261.83	7.5	16.1	7.14	395	0.10	-123.6	
MW2A	6/13/17	276.26	16.44	259.82	8.0	16.4	7.03	404	0.45	-107.6	
MW2A	9/13/17	276.26	17.05	259.21	6.0	20.4	6.99	474	1.60	-104.1	
MW2A	12/5/17	276.26	15.87	260.39	6.0	18.9	7.10	448	0.25	-129.9	
MW2A	3/9/18	276.26	15.61	260.65	6.0	15.7	7.14	578	1.50	-98.0	
MW2A	6/15/18	276.26	15.79	260.47	6.0	18.4	6.88	633	1.50	-112.0	
MW2A	9/17/18	276.26	17.38	258.88	5.5	22.0	7.00	693	6.70	-103.0	
MW2A	12/17/18	276.26	17.75	258.51	5.5	22.0	7.05	672	1.10	-113.0	
MW2A	3/18/19	276.26	15.93	260.33	5.0	19.8	6.92	513	0.40	-107.0	
MW2A	5/13/19	276.26	16.85	259.41	4.5	20.0	7.13	543	1.00	-48.0	
MW2A	9/16/19	276.26	17.56	258.70	5.5	21.2	6.81	547	2.60	0.0	
MW2A	12/16/19	276.26	15.75	260.51	6.0	19.0	6.91	485	1.17	-83.0	
MW2A	3/16/20	276.26	16.14	260.12	6.0	15.5	7.17	380	0.90	-78.0	
MW2A	6/16/20	276.26	17.42	258.84	5.5	17.3	7.19	394	1.27	-105.0	

DELLAVALLE™
LABORATORY INC

Historical Groundwater Monitoring Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Survey Mark Elevation	Depth to Water	Ground Water Elevation	Volume Purged, gal.	Temp.	Field pH	Field EC	Dissolved Oxygen	Oxidation/ Reduction Potential	Turbidity
Method		Surveyed	Probe	Calculated	Measured	Metered	Metered	Metered	Metered	Metered	Metered
Units:		ft. msl	ft	ft. msl	gal	deg C	std units	umhs/cm	mg/L	Mv	NTU
MW2A	9/14/20	276.26	19.10	257.16	4.5	20.5	7.10	425	0.75	-130.0	
MW2A	12/15/20	276.26	17.25	259.01	5.5	17.9	7.15	552	1.27	-93.0	
MW2A	3/17/21	276.26	16.48	259.78	6.0	16.4	7.23	391	2.07	-69.0	
MW2A	6/22/21	276.26	17.83	258.43	5.0	18.3	7.07	471	1.08	-88.0	
MW2A	9/21/21	276.26	20.60	255.66	4.0	21.2	6.80	512	1.17	-68.0	
MW2A	12/14/21	276.26	16.93	259.33	5.5	18.1	7.05	311	1.20	-21.0	
MW2A	3/15/22	276.26	17.00	259.26	5.5	18.1	6.86	335	1.72	-51.0	
MW2A	6/15/22	276.26	16.85	259.41	5.5	18.7	6.55	426	1.15	-70.0	
MW2A	9/22/22	276.26	19.30	256.96	4.5	19.8	6.88	398	1.09	-55.0	
MW2A	11/28/22	276.26	19.02	257.24	4.5	18.9	7.11	527	0.90	-105.0	5
MW2A	3/2/23	276.26	15.72	260.54	6.0	15.9	7.03	359	1.40	-72.0	3
MW2A	5/17/23	276.26	16.58	259.68	6.0	16.3	7.09	423	1.00	-80.0	4

DELLAVALLE™
LABORATORY INC

Historical Groundwater Monitoring Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Survey Mark Elevation	Depth to Water	Ground Water Elevation	Volume Purged, gal.	Temp.	Field pH	Field EC	Dissolved Oxygen	Oxidation/ Reduction Potential	Turbidity
Method		Surveyed	Probe	Calculated	Measured	Metered	Metered	Metered	Metered	Metered	Metered
Units:		ft. msl	ft	ft. msl	gal	deg C	std units	umhs/cm	mg/L	Mv	NTU
MW3	7/16/02	269.85	15.28	254.57							
MW3	9/18/02	269.85	16.11	253.74							
MW3	10/29/02	269.85	16.51	253.34							
MW3	11/22/02	269.85	14.22	255.63							
MW3	12/31/02	269.85	13.31	256.54							
MW3	1/21/03	269.85	16.12	253.73							
MW3	6/30/03	269.85	14.47	255.38							
MW3	7/31/03	269.85	15.41	254.44							
MW3	8/31/03	269.85	15.83	254.02							
MW3	9/30/03	269.85	15.93	253.92							
MW3	10/31/03	269.85	16.20	253.65							
MW3	11/30/03	269.85	14.37	255.48							
MW3	12/31/03	269.85	13.55	256.30							
MW3	1/31/04	269.85	13.58	256.27							
MW3	2/20/04	269.85	13.31	256.54							

DELLAVALLE LABORATORY INC

Historical Groundwater Monitoring Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Survey Mark Elevation	Depth to Water	Ground Water Elevation	Volume Purged, gal.	Temp.	Field pH	Field EC	Dissolved Oxygen	Oxidation/ Reduction Potential	Turbidity
Method		Surveyed	Probe	Calculated	Measured	Metered	Metered	Metered	Metered	Metered	Metered
Units:		ft. msl	ft	ft. msl	gal	deg C	std units	umhs/cm	mg/L	Mv	NTU
MW3	3/31/04	269.85	13.67	256.18							
MW3	5/2/04	269.85	14.29	255.56							
MW3	6/1/04	269.85	14.68	255.17							
MW3	6/30/04	269.85	15.31	254.54							
MW3	7/31/04	269.85	15.78	254.07							
MW3	9/4/04	269.85	15.77	254.08							
MW3	10/1/04	269.85	15.98	253.87							
MW3	1/4/05	269.85	13.03	256.82							
MW3	4/1/05	269.85	11.22	258.63			6.90				
MW3	6/30/05	269.85	13.72	256.13			6.90				
MW3	10/6/05	269.85	15.03	254.82	5.0	18.2	6.90	420	5.40	-33.0	
MW3	1/17/06	269.85	11.93	257.92							
MW3	2/13/06	269.85	12.76	257.09	14.0	18.6	6.90	560	1.20	-74.0	
MW3	3/10/06	269.85	11.62	258.23							

DELLAVALLE™
LABORATORY INC

Historical Groundwater Monitoring Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Survey Mark Elevation	Depth to Water	Ground Water Elevation	Volume Purged, gal.	Temp.	Field pH	Field EC	Dissolved Oxygen	Oxidation/ Reduction Potential	Turbidity
Method		Surveyed	Probe	Calculated	Measured	Metered	Metered	Metered	Metered	Metered	Metered
Units:		ft. msl	ft	ft. msl	gal	deg C	std units	umhs/cm	mg/L	Mv	NTU
MW3	4/29/06	269.85	11.41	258.44							
MW3	5/23/06	269.85	13.34	256.51	9.0	17.7	7.00	550	7.40	109.0	
MW3	6/30/06	269.85	14.02	255.83							
MW3	7/25/16	269.85	15.26	254.59							
MW3	8/25/06	269.85	15.42	254.43	14.0	17.8	7.00	840	4.70	103.0	
MW3	9/29/06	269.85	15.02	254.83							
MW3	10/24/06	269.85	13.89	255.96							
MW3	11/30/06	269.85	13.66	256.19							
MW3	12/29/06	269.85	13.49	256.36							
MW3	1/31/07	269.85	13.89	255.96							
MW3	2/27/07	269.85	13.34	256.51							
MW3	3/30/07	269.85	13.99	255.86	13.0	19.0	7.00	100	5.00	-9.0	
MW3	4/30/07	269.85	14.46	255.39							

DELLAVALLE™
LABORATORY INC

Historical Groundwater Monitoring Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Survey Mark Elevation	Depth to Water	Ground Water Elevation	Volume Purged, gal.	Temp.	Field pH	Field EC	Dissolved Oxygen	Oxidation/ Reduction Potential	Turbidity
Method		Surveyed	Probe	Calculated	Measured	Metered	Metered	Metered	Metered	Metered	Metered
Units:		ft. msl	ft	ft. msl	gal	deg C	std units	umhs/cm	mg/L	Mv	NTU
MW3	5/31/07	269.85	15.28	254.57							
MW3	6/25/07	269.85	15.82	254.03	14.0	17.8	7.00	560	6.70	231.0	
MW3	7/29/07	269.85	15.48	254.37							
MW3	8/30/07	269.85	16.33	253.52							
MW3	9/27/07	269.85	16.52	253.33	15.0	18.2	6.51	660	5.80	-7.0	
MW3	10/31/07	269.85	15.47	254.38							
MW3	12/31/07	269.85	13.79	256.06	10.0	18.7	7.06	590	2.40	33.0	
MW3	2/2/08	269.85	13.16	256.69							
MW3	3/2/08	269.85	13.59	256.26							
MW3	7/7/08	269.85	16.41	253.44	5.0	18.3	6.69	609	3.84	49.6	
MW3	10/10/08	269.85	16.32	253.53	10.0	17.0	6.66	491	3.26	1.2	
MW3	11/5/08	269.85	16.16	253.69							

DELLAVALLE LABORATORY INC

Historical Groundwater Monitoring Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Survey Mark Elevation	Depth to Water	Ground Water Elevation	Volume Purged, gal.	Temp.	Field pH	Field EC	Dissolved Oxygen	Oxidation/ Reduction Potential	Turbidity
Method		Surveyed	Probe	Calculated	Measured	Metered	Metered	Metered	Metered	Metered	Metered
Units:		ft. msl	ft	ft. msl	gal	deg C	std units	umhs/cm	mg/L	Mv	NTU
MW3	12/30/08	269.85	15.24	254.61	5.0	18.0	6.89	530	1.98	27.7	
MW3	3/12/09	269.85	13.35	256.50	6.0	18.5	6.95	564	1.55	-6.8	
MW3	6/16/09	269.85	14.91	254.94	6.0	18.9	7.04	544	1.20	-47.4	
MW3	9/22/09	269.85	16.31	253.54	5.0	18.1	6.92	494	2.62	-21.0	
MW3	12/15/09	269.85	15.29	254.56	5.0	18.2	7.10	541	1.51	10.8	
MW3	3/22/10	269.85	13.63	256.22	7.0	18.6	6.99	596	2.91	51.5	
MW3	6/22/10	269.85	14.82	255.03	6.0	18.4	6.81	612	4.54	74.0	
MW3	9/22/10	269.85	15.78	254.07	5.0	17.9	6.87	514	1.68	20.1	
MW3	12/14/10	269.85	14.25	255.60	6.0	18.2	7.15	534	1.87	-19.2	
MW3	3/29/11	269.85	11.05	258.80	8.0	18.5	6.62	571	1.21	-174.4	
MW3	6/23/11	269.85	14.45	255.40	6.0	17.8	6.83	553	1.29	-44.0	
MW3	9/14/11	269.85	15.85	254.00	5.0	17.9	6.85	517	1.13	-209.8	
MW3	12/14/11	269.85	14.94	254.91	6.0	18.0	6.45	524	1.82	-48.6	
MW3	3/21/12	269.85	13.75	256.10	6.0	18.2	6.54	503	1.34	54.5	

DELLAVALLE™
LABORATORY INC

Historical Groundwater Monitoring Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Survey Mark Elevation	Depth to Water	Ground Water Elevation	Volume Purged, gal.	Temp.	Field pH	Field EC	Dissolved Oxygen	Oxidation/ Reduction Potential	Turbidity
Method		Surveyed	Probe	Calculated	Measured	Metered	Metered	Metered	Metered	Metered	Metered
Units:		ft. msl	ft	ft. msl	gal	deg C	std units	umhs/cm	mg/L	Mv	NTU
MW3	6/26/12	269.85	15.73	254.12	5.0	17.4	6.55	511	1.56	70.4	
MW3	9/26/12	269.85	16.59	253.26	5.0	17.8	6.29	517	2.42	40.0	
MW3	12/18/12	269.85	14.76	255.09	6.0	17.6	6.94	530	1.46	23.9	
MW3	3/11/13	269.85	14.87	254.98	6.0	18.0	6.42	575	2.92	-16.7	
MW3	6/26/13	269.85	16.71	253.14	5.0	17.8	6.53	556	0.92	129.0	
MW3	9/11/13	269.85	18.00	251.85	5.0	18.1	6.23	571	2.03	83.0	
MW3	12/12/13	269.85	17.60	252.25	5.0	17.7	6.77	560	1.20	-3.9	
MW3	3/4/14	269.85	14.97	254.88	6.0	18.0	6.88	585	1.11	110.2	
MW3	6/17/14	269.85	16.83	253.02	5.0	17.3	6.83	581	1.21	-16.9	
MW3	9/18/14	269.85	18.89	250.96	6.0	17.6	6.65	528	1.89	94.3	
MW3	12/18/14	269.85	16.28	253.57	5.3	18.0	7.65	564	1.01	93.8	
MW3	3/24/15	269.85	15.43	254.42	6.5	18.1	6.89	624	0.10	42.4	
MW3	6/11/15	269.85	16.04	253.81	6.0	18.0	6.57	610	0.16	99.7	

DELLAVALLE™
LABORATORY INC

Historical Groundwater Monitoring Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Survey Mark Elevation	Depth to Water	Ground Water Elevation	Volume Purged, gal.	Temp.	Field pH	Field EC	Dissolved Oxygen	Oxidation/ Reduction Potential	Turbidity
Method		Surveyed	Probe	Calculated	Measured	Metered	Metered	Metered	Metered	Metered	Metered
Units:		ft. msl	ft	ft. msl	gal	deg C	std units	umhs/cm	mg/L	Mv	NTU
MW3	9/17/15	269.85	18.54	251.31	4.0	18.1	6.95	574	2.71	10.3	
MW3	12/16/15	269.85	16.24	253.61	9.0	18.2	6.94	561	1.10	50.2	
MW3	3/29/16	269.85	13.78	256.07	6.0	18.2	6.69	641	0.13	48.7	
MW3	6/20/16	269.85	15.85	254.00	5.0	18.0	6.29	593	0.69	42.9	
MW3	9/8/16	269.85	17.34	252.51	6.0	17.7	6.74	556	0.54	131.8	
MW3	12/8/16	269.85	15.55	254.30	5.0	17.9	6.82	566	0.40	-35.4	
MW3	3/10/17	269.85	11.58	258.27	8.0	17.9	6.66	638	0.16	96.2	
MW3	6/14/17	269.85	14.95	254.90	8.0	17.6	6.71	597	0.65	90.8	
MW3	9/13/17	269.85	16.52	253.33	5.0	18.1	6.76	551	1.21	55.4	
MW3	12/6/17	269.85	15.44	254.41	5.0	18.2	6.84	537	0.88	76.9	
MW3	3/9/18	269.85	15.07	254.78	7.5	18.1	6.91	647	1.40	67.0	
MW3	6/14/18	269.85	16.15	253.70	7.0	17.1	6.88	623	1.40	90.0	

DELLAVALLE™
LABORATORY INC

Historical Groundwater Monitoring Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Survey Mark Elevation	Depth to Water	Ground Water Elevation	Volume Purged, gal.	Temp.	Field pH	Field EC	Dissolved Oxygen	Oxidation/ Reduction Potential	Turbidity
Method		Surveyed	Probe	Calculated	Measured	Metered	Metered	Metered	Metered	Metered	Metered
Units:		ft. msl	ft	ft. msl	gal	deg C	std units	umhs/cm	mg/L	Mv	NTU
MW3	9/17/18	269.85	17.45	252.40	6.5	17.6	6.95	621	5.90	87.0	
MW3	12/17/18	269.85	16.65	253.20	7.0	17.6	6.83	630	1.70	100.0	
MW3	3/18/19	269.85	13.26	256.59	8.5	18.6	6.77	549	2.40	122.0	
MW3	5/13/19	269.85	15.13	254.72	7.5	18.1	6.90	568	1.40	112.0	
MW3	9/16/19	269.85	17.52	252.33	6.5	17.9	6.91	567	3.00	44.0	
MW3	12/16/19	269.85	15.48	254.37	7.5	18.1	6.82	550	2.06	142.0	
MW3	3/16/20	269.85	15.85	254.00	7.0	17.2	6.96	576	2.45	106.0	
MW3	6/16/20	269.85	16.36	253.49	7.0	18.6	6.99	522	2.44	71.0	
MW3	9/14/20	269.85	18.54	251.31	6.0	18.9	7.05	483	2.10	215.0	
MW3	12/15/20	269.85	17.15	252.70	6.5	18.2	7.10	502	2.30	85.0	
MW3	3/17/21	269.85	15.83	254.02	7.0	18.6	7.12	484	2.48	175.0	
MW3	6/22/21	269.85	17.56	252.29	6.5	18.2	7.00	469	2.25	181.0	

DELLAVALLE™
LABORATORY INC

Historical Groundwater Monitoring Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Survey Mark Elevation	Depth to Water	Ground Water Elevation	Volume Purged, gal.	Temp.	Field pH	Field EC	Dissolved Oxygen	Oxidation/ Reduction Potential	Turbidity
Method		Surveyed	Probe	Calculated	Measured	Metered	Metered	Metered	Metered	Metered	Metered
Units:		ft. msl	ft	ft. msl	gal	deg C	std units	umhs/cm	mg/L	Mv	NTU
MW3	9/21/21	269.85	20.20	249.65	5.0	18.5	6.80	502	2.92	210.0	
MW3	12/14/21	269.85	16.20	253.65	6.5	17.5	7.05	316	2.35	258.0	
MW3	3/15/22	269.85	15.85	254.00	7.0	18.1	6.86	368	2.46	91.0	
MW3	6/15/22	269.85	16.90	252.95	6.5	18.3	6.64	449	2.46	221.0	
MW3	9/21/22	269.85	19.75	250.10	5.5	18.3	6.89	409	2.09	84.0	
MW3	11/28/22	269.85	19.54	250.31	6.0	17.8	6.99	493	1.50	2.0	46
MW3	3/2/23	269.85	14.28	255.57	9.0	18.0	7.18	576	0.80	44.0	73
MW3	5/17/23	269.85	15.82	254.03	6.0	19.0	7.18	519	1.00	63.0	46

DELLAVALLE™
LABORATORY INC

Historical Groundwater Monitoring Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Survey Mark Elevation	Depth to Water	Ground Water Elevation	Volume Purged, gal.	Temp.	Field pH	Field EC	Dissolved Oxygen	Oxidation/ Reduction Potential	Turbidity
Method		Surveyed	Probe	Calculated	Measured	Metered	Metered	Metered	Metered	Metered	Metered
Units:		ft. msl	ft	ft. msl	gal	deg C	std units	umhs/cm	mg/L	Mv	NTU
MW3A	8/30/07	278.27	22.05	256.22							
MW3A	9/24/07	278.27	22.06	256.21							
MW3A	10/31/07	278.27	21.52	256.75							
MW3A	11/29/07	278.27	20.72	257.55							
MW3A	12/26/07	278.27	20.74	257.53	14.0	19.0	7.30	860	2.80	-105.0	
MW3A	2/2/08	278.27	20.37	257.90							
MW3A	3/2/08	278.27	20.99	257.28							
MW3A	7/7/08	278.27	21.08	257.19	6.0	17.9	6.99	568	4.56	-59.1	
MW3A	10/10/08	278.27	21.52	256.75	6.0	18.1	6.63	503	3.02	-106.3	
MW3A	11/5/08	278.27	21.16	257.11							
MW3A	12/30/08	278.27	21.21	257.06	5.0	18.1	7.01	519	0.90	-68.6	
MW3A	3/12/09	278.27	20.96	257.31	6.0	17.7	7.87	509	1.83	-64.3	
MW3A	6/16/09	278.27	21.68	256.59	5.0	18.3	7.05	497	1.50	-66.1	
MW3A	9/22/09	278.27	21.69	256.58	5.0	18.0	6.93	501	1.49	-61.9	
MW3A	12/15/09	278.27	21.11	257.16	5.0	18.3	7.25	545	1.52	-63.1	
MW3A	3/22/10	278.27	21.95	256.32	5.0	18.0	7.36	542	2.76	-93.3	
MW3A	6/22/10	278.27	21.41	256.86	5.0	18.0	6.82	520	3.00	-27.3	
MW3A	9/22/10	278.27	21.80	256.47	5.0	18.6	6.99	507	1.32	-92.0	
MW3A	12/14/10	278.27	21.08	257.19	5.0	18.4	7.32	527	1.15	-82.5	

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Historical Groundwater Monitoring Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Survey Mark Elevation	Depth to Water	Ground Water Elevation	Volume Purged, gal.	Temp.	Field pH	Field EC	Dissolved Oxygen	Oxidation/ Reduction Potential	Turbidity
Method		Surveyed	Probe	Calculated	Measured	Metered	Metered	Metered	Metered	Metered	Metered
Units:		ft. msl	ft	ft. msl	gal	deg C	std units	umhs/cm	mg/L	Mv	NTU
MW3A	3/29/11	278.27	18.76	259.51	7.0	17.0	6.93	577	1.51	-138.7	
MW3A	6/23/11	278.27	21.55	256.72	5.0	17.2	6.75	534	1.57	-78.2	
MW3A	9/14/11	278.27	21.96	256.31	5.0	18.5	6.81	495	1.18	-206.3	
MW3A	12/14/11	278.27	21.57	256.70	5.0	18.7	6.62	496	1.49	-107.3	
MW3A	3/21/12	278.27	20.62	257.65	6.0	17.1	6.51	489	1.46	-78.7	
MW3A	6/26/12	278.27	22.10	256.17	5.0	16.8	6.51	505	1.62	-64.9	
MW3A	9/26/12	278.27	22.22	256.05	5.0	17.6	6.68	518	2.71	-43.3	
MW3A	12/18/12	278.27	21.55	256.72	6.0	17.5	7.01	531	1.03	-107.4	
MW3A	3/11/13	278.27	21.79	256.48	6.0	17.3	6.92	584	2.10	-44.6	
MW3A	6/27/13	278.27	22.39	255.88	5.0	17.5	6.77	591	1.56	100.7	
MW3A	9/12/13	278.27	22.79	255.48	5.0	17.7	6.21	614	1.10	-66.4	
MW3A	12/11/13	278.27	22.64	255.63	5.0	18.2	6.77	645	0.87	-80.3	
MW3A	3/5/14	278.27	20.88	257.39	6.0	17.7	7.98	592	1.21	-82.7	
MW3A	6/17/14	278.27	22.12	256.15	7.0	16.8	6.94	570	1.14	-113.0	

Historical Groundwater Monitoring Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Survey Mark Elevation	Depth to Water	Ground Water Elevation	Volume Purged, gal.	Temp.	Field pH	Field EC	Dissolved Oxygen	Oxidation/ Reduction Potential	Turbidity
Method		Surveyed	Probe	Calculated	Measured	Metered	Metered	Metered	Metered	Metered	Metered
Units:		ft. msl	ft	ft. msl	gal	deg C	std units	umhs/cm	mg/L	Mv	NTU
MW3A	9/18/14	278.27	23.62	254.65	5.0	18.4	6.97	520	1.09	-73.1	
MW3A	12/18/14	278.27	20.72	257.55	6.0	18.5	6.85	586	0.70	-73.5	
MW3A	3/24/15	278.27	21.33	256.94	7.0	17.2	7.07	547	0.14	-81.2	
MW3A	6/11/15	278.27	21.06	257.21	8.0	17.6	6.80	522	0.12	-42.2	
MW3A	9/17/15	278.27	23.04	255.23	5.0	18.3	7.08	535	0.96	-90.3	
MW3A	12/16/15	278.27	20.69	257.58	6.0	18.6	6.90	478	2.84	10.9	
MW3A	3/29/16	278.27	20.94	257.33	6.0	17.5	7.07	529	0.14	-104.3	
MW3A	6/21/16	278.27	21.51	256.76	7.0	17.4	6.47	490	1.08	-70.4	
MW3A	9/8/16	278.27	22.17	256.10	5.0	17.7	7.00	498	0.86	-8.6	
MW3A	12/8/16	278.27	21.33	256.94	5.0	18.2	6.95	568	0.37	-94.4	
MW3A	3/10/17	278.27	20.13	258.14	6.0	17.4	6.99	545	0.12	-65.7	
MW3A	6/14/17	278.27	21.28	256.99	6.0	17.7	7.02	488	0.37	-51.6	
MW3A	9/13/17	278.27	21.97	256.30	5.0	18.8	6.98	476	1.20	-80.6	
MW3A	12/5/17	278.27	21.34	256.93	5.0	19.5	7.04	444	0.22	-88.4	
MW3A	3/9/18	278.27	21.09	257.18	6.0	18.3	7.09	565	1.00	-81.0	
MW3A	6/15/18	278.27	21.64	256.63	6.0	20.7	6.52	588	1.10	-70.0	
MW3A	9/17/18	278.27	22.17	256.10	6.0	20.1	6.91	632	7.00	-90.0	
MW3A	12/17/18	278.27	21.64	256.63	5.5	19.7	6.85	612	1.40	-84.0	

Historical Groundwater Monitoring Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Survey Mark Elevation	Depth to Water	Ground Water Elevation	Volume Purged, gal.	Temp.	Field pH	Field EC	Dissolved Oxygen	Oxidation/ Reduction Potential	Turbidity
Method		Surveyed	Probe	Calculated	Measured	Metered	Metered	Metered	Metered	Metered	Metered
Units:		ft. msl	ft	ft. msl	gal	deg C	std units	umhs/cm	mg/L	Mv	NTU
MW3A	3/18/19	278.27	20.64	257.63	6.0	19.0	6.94	528	1.40	-60.0	
MW3A	5/13/19	278.27	21.48	256.79	5.0	19.1	7.37	586	1.20	-72.0	
MW3A	9/16/19	278.27	22.35	255.92	5.5	19.6	6.87	559	2.40	-3.0	
MW3A	12/16/19	278.27	20.90	257.37	6.0	17.9	6.88	543	0.97	-22.0	
MW3A	3/16/20	278.27	19.90	258.37	6.5	16.3	7.00	579	1.18	-47.0	
MW3A	6/16/20	278.27	22.04	256.23	5.5	18.6	7.05	510	0.94	-61.0	
MW3A	9/14/20	278.27	23.09	255.18	5.5	20.0	7.02	477	0.84	-53.0	
MW3A	12/15/20	278.27	21.38	256.89	6.0	18.4	7.05	499	1.82	-33.0	
MW3A	3/17/21	278.27	21.31	256.96	6.0	17.9	7.14	473	1.95	-11.0	
MW3A	6/22/21	278.27	22.08	256.19	5.5	19.6	6.97	456	0.91	-44.0	
MW3A	9/21/21	278.27	24.50	253.77	4.5	21.1	6.80	475	0.76	55.0	
MW3A	12/14/21	278.27	20.14	258.13	6.5	19.2	6.82	348	1.19	34.0	
MW3A	3/15/22	278.27	21.27	257.00	5.5	19.0	6.74	371	1.08	-16.0	
MW3A	6/15/22	278.27	21.52	256.75	5.5	20.2	6.43	441	0.95	-57.0	
MW3A	9/22/22	278.27	23.84	254.43	4.5	19.9	6.90	420	2.30	4.0	
MW3A	11/28/22	278.27	23.37	254.90	4.5	19.3	6.94	524	1.20	-69.0	419
MW3A	3/2/23	278.27	20.82	257.45	6.0	17.5	6.98	540	1.20	-50.0	126
MW3A	5/17/23	278.27	22.19	256.08	6.0	19.2	6.98	455	0.80	-57.0	409

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LABORATORY INC

Historical Groundwater Monitoring Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Survey Mark Elevation	Depth to Water	Ground Water Elevation	Volume Purged, gal.	Temp.	Field pH	Field EC	Dissolved Oxygen	Oxidation/ Reduction Potential	Turbidity
Method		Surveyed	Probe	Calculated	Measured	Metered	Metered	Metered	Metered	Metered	Metered
Units:		ft. msl	ft	ft. msl	gal	deg C	std units	umhs/cm	mg/L	Mv	NTU
MW4	7/16/02	268.77	12.64	256.13							
MW4	9/18/02	268.77	13.51	255.26							
MW4	10/29/02	268.77	13.81	254.96							
MW4	11/22/02	268.77	11.73	257.04							
MW4	12/31/02	268.77	10.53	258.24							
MW4	1/21/03	268.77	14.51	254.26							
MW4	6/30/03	268.77	12.92	255.85							
MW4	7/31/03	268.77	12.98	255.79							
MW4	8/31/03	268.77	13.16	255.61							
MW4	9/30/03	268.77	13.27	255.50							
MW4	10/31/03	268.77	13.32	255.45							
MW4	11/30/03	268.77	11.51	257.26							
MW4	12/31/03	268.77	10.52	258.25							
MW4	1/31/04	268.77	10.60	258.17							
MW4	2/20/04	268.77	10.13	258.64							

DELLAVALLE™
LABORATORY INC

Historical Groundwater Monitoring Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Survey Mark Elevation	Depth to Water	Ground Water Elevation	Volume Purged, gal.	Temp.	Field pH	Field EC	Dissolved Oxygen	Oxidation/ Reduction Potential	Turbidity
Method		Surveyed	Probe	Calculated	Measured	Metered	Metered	Metered	Metered	Metered	Metered
Units:		ft. msl	ft	ft. msl	gal	deg C	std units	umhs/cm	mg/L	Mv	NTU
MW4	3/31/04	268.77	10.67	258.10							
MW4	5/2/04	268.77	11.71	257.06							
MW4	6/1/04	268.77	12.13	256.64							
MW4	6/30/04	268.77	12.67	256.10							
MW4	7/31/04	268.77	12.84	255.93							
MW4	9/4/04	268.77	12.12	256.65							
MW4	10/1/04	268.77	12.34	256.43							
MW4	1/4/05	268.77	10.15	258.62							
MW4	4/1/05	268.77	8.67	260.10							
MW4	6/30/05	268.77	10.40	258.37							
MW4	10/6/05	268.77	12.32	256.45	15.0	18.9	6.60	440	0.10	151.0	
MW4	1/17/06	268.77	8.57	260.20							
MW4	2/13/06	268.77	9.91	258.86	18.0	18.4	6.70	370	0.20	-100.0	
MW4	3/10/06	268.77	8.93	259.84							

DELLAVALLE™
LABORATORY INC

Historical Groundwater Monitoring Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Survey Mark Elevation	Depth to Water	Ground Water Elevation	Volume Purged, gal.	Temp.	Field pH	Field EC	Dissolved Oxygen	Oxidation/ Reduction Potential	Turbidity
Method		Surveyed	Probe	Calculated	Measured	Metered	Metered	Metered	Metered	Metered	Metered
Units:		ft. msl	ft	ft. msl	gal	deg C	std units	umhs/cm	mg/L	Mv	NTU
MW4	4/29/06	268.77	8.79	259.98							
MW4	5/23/06	268.77	10.48	258.29	13.0	15.0	6.50	360	8.80	110.0	
MW4	6/30/06	268.77	12.01	256.76							
MW4	7/25/16	268.77	12.36	256.41							
MW4	8/25/06	268.77	12.33	256.44	18.0	15.3	6.30	840	4.60	193.0	
MW4	9/29/06	268.77	11.41	257.36							
MW4	10/24/06	268.77	9.63	259.14							
MW4	11/30/06	268.77	9.65	259.12							
MW4	12/29/06	268.77	9.59	259.18							
MW4	1/31/07	268.77	10.22	258.55							
MW4	2/27/07	268.77	9.62	259.15							
MW4	3/30/07	268.77	10.74	258.03	14.0	16.5	6.50	690	5.50	3.0	
MW4	4/30/07	268.77	11.30	257.47							

DELLAVALLE™
LABORATORY INC

Historical Groundwater Monitoring Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Survey Mark Elevation	Depth to Water	Ground Water Elevation	Volume Purged, gal.	Temp.	Field pH	Field EC	Dissolved Oxygen	Oxidation/ Reduction Potential	Turbidity
Method		Surveyed	Probe	Calculated	Measured	Metered	Metered	Metered	Metered	Metered	Metered
Units:		ft. msl	ft	ft. msl	gal	deg C	std units	umhs/cm	mg/L	Mv	NTU
MW4	5/31/07	268.77	12.33	256.44							
MW4	6/25/07	268.77	12.65	256.12	14.0	14.5	6.68	370	7.40	88.0	
MW4	7/29/07	268.77	11.72	257.05							
MW4	8/30/07	268.77	13.17	255.60							
MW4	9/27/07	268.77	13.07	255.70	14.0	14.9	6.69	490	6.60	38.0	
MW4	10/31/07	268.77	12.09	256.68							
MW4	11/29/07	268.77	11.01	257.76							
MW4	12/27/07	268.77	10.37	258.40	20.0	17.2	7.05	560	0.00	28.0	
MW4	2/2/08	268.77	9.85	258.92							
MW4	3/2/08	268.77	10.44	258.33							
MW4	7/7/08	268.77	12.70	256.07	8.0	15.6	6.94	429	4.14	88.5	
MW4	10/10/08	268.77	13.45	255.32	9.0	15.2	6.54	391	4.49	22.9	
MW4	11/5/08	268.77	13.23	255.54							

DELLAVALLE™
LABORATORY INC

Historical Groundwater Monitoring Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Survey Mark Elevation	Depth to Water	Ground Water Elevation	Volume Purged, gal.	Temp.	Field pH	Field EC	Dissolved Oxygen	Oxidation/ Reduction Potential	Turbidity
Method		Surveyed	Probe	Calculated	Measured	Metered	Metered	Metered	Metered	Metered	Metered
Units:		ft. msl	ft	ft. msl	gal	deg C	std units	umhs/cm	mg/L	Mv	NTU
MW4	12/30/08	268.77	12.15	256.62	8.0	16.0	6.79	431	1.84	48.5	
MW4	3/12/09	268.77	10.14	258.63	11.0	16.3	6.78	449	1.87	56.0	
MW4	6/16/09	268.77	11.62	257.15	8.0	16.0	6.92	429	2.31	-37.5	
MW4	9/22/09	268.77	13.68	255.09	7.0	16.0	6.76	439	2.28	-17.3	
MW4	12/15/09	268.77	11.94	256.83	8.0	17.2	6.69	511	3.18	73.3	
MW4	3/22/10	268.77	10.48	258.29	8.0	21.9	7.16	494	1.77	-9.3	
MW4	6/22/10	268.77	11.92	256.85	8.0	17.2	6.90	448	3.88	61.2	
MW4	9/22/10	268.77	12.44	256.33	8.0	17.0	6.77	447	1.47	56.2	
MW4	12/14/10	268.77	10.73	258.04	8.0	17.7	7.05	480	1.28	-0.2	
MW4	3/29/11	268.77	8.64	260.13	9.0	18.3	6.67	403	1.09	-176.6	
MW4	6/23/11	268.77	11.06	257.71	8.0	16.5	7.05	362	1.96	-63.9	
MW4	9/14/11	268.77	12.41	256.36	8.0	16.6	7.11	371	1.39	105.8	
MW4	12/14/11	268.77	11.46	257.31	8.0	17.4	6.40	413	1.33	-36.8	
MW4	3/21/12	268.77	10.35	258.42	8.0	17.6	6.01	399	5.17	59.0	

DELLAVALLE LABORATORY INC

Historical Groundwater Monitoring Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Survey Mark Elevation	Depth to Water	Ground Water Elevation	Volume Purged, gal.	Temp.	Field pH	Field EC	Dissolved Oxygen	Oxidation/ Reduction Potential	Turbidity
Method		Surveyed	Probe	Calculated	Measured	Metered	Metered	Metered	Metered	Metered	Metered
Units:		ft. msl	ft	ft. msl	gal	deg C	std units	umhs/cm	mg/L	Mv	NTU
MW4	6/26/12	268.77	12.37	256.40	8.0	16.7	6.27	392	1.47	46.8	
MW4	9/26/12	268.77	13.09	255.68	7.0	17.1	6.43	433	2.64	25.8	
MW4	12/18/12	268.77	11.14	257.63	8.0	17.2	6.90	446	1.59	-40.8	
MW4	3/11/13	268.77	11.42	257.35	9.0	17.6	6.76	437	2.31	103.2	
MW4	6/27/13	268.77	13.30	255.47	7.0	16.7	6.79	427	4.12	150.1	
MW4	9/11/13	268.77	14.85	253.92	6.0	17.2	6.71	434	1.80	87.2	
MW4	12/11/13	268.77	14.21	254.56	7.0	17.3	6.76	451	1.23	20.9	
MW4	3/5/14	268.77	11.52	257.25	8.0	17.9	6.86	456	1.08	136.2	
MW4	6/17/14	268.77	13.70	255.07	8.0	18.0	6.74	460	1.31	29.1	
MW4	9/18/14	268.77	15.99	252.78	6.0	17.3	6.83	417	1.14	28.2	
MW4	12/18/14	268.77	13.36	255.41	7.0	17.9	6.81	436	0.65	-1.8	
MW4	3/24/15	268.77	12.50	256.27	9.0	17.7	6.62	455	0.07	44.0	
MW4	6/11/15	268.77	13.35	255.42	8.0	17.3	6.53	467	0.11	101.8	
MW4	9/17/15	268.77	15.61	253.16	6.0	17.6	6.66	476	0.69	93.7	

DELLAVALLE™
LABORATORY INC

Historical Groundwater Monitoring Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Survey Mark Elevation	Depth to Water	Ground Water Elevation	Volume Purged, gal.	Temp.	Field pH	Field EC	Dissolved Oxygen	Oxidation/ Reduction Potential	Turbidity
Method		Surveyed	Probe	Calculated	Measured	Metered	Metered	Metered	Metered	Metered	Metered
Units:		ft. msl	ft	ft. msl	gal	deg C	std units	umhs/cm	mg/L	Mv	NTU
MW4	12/16/15	268.77	13.53	255.24	9.0	18.1	6.67	473	1.14	46.6	
MW4	3/29/16	268.77	10.99	257.78	8.0	17.9	6.78	537	0.17	79.0	
MW4	6/21/16	268.77	13.08	255.69	8.0	17.2	6.59	535	0.83	121.0	
MW4	9/8/16	268.77	14.36	254.41	9.0	17.4	6.66	498	0.50	140.1	
MW4	12/9/16	268.77	12.36	256.41	8.0	18.5	6.58	507	0.48	61.1	
MW4	3/9/17	268.77	9.04	259.73	9.0	18.1	6.66	707	0.14	175.5	
MW4	6/14/17	268.77	8.34	260.43	13.0	16.9	6.67	468	0.63	102.8	
MW4	9/13/17	268.77	12.86	255.91	8.0	17.8	6.81	494	2.14	89.6	
MW4	12/5/17	268.77	12.16	256.61	8.0	19.9	6.77	449	0.29	140.7	
MW4	3/9/18	268.77	11.91	256.86	8.0	19.8	6.79	542	1.20	136.0	
MW4	6/15/18	268.77	13.19	255.58	9.0	19.0	6.71	560	1.60	131.0	
MW4	9/17/18	268.77	14.12	254.65	8.0	21.0	6.84	561	5.20	405.0	

DELLAVALLE LABORATORY INC

Historical Groundwater Monitoring Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Survey Mark Elevation	Depth to Water	Ground Water Elevation	Volume Purged, gal.	Temp.	Field pH	Field EC	Dissolved Oxygen	Oxidation/ Reduction Potential	Turbidity
Method		Surveyed	Probe	Calculated	Measured	Metered	Metered	Metered	Metered	Metered	Metered
Units:		ft. msl	ft	ft. msl	gal	deg C	std units	umhs/cm	mg/L	Mv	NTU
MW4	12/17/18	268.77	12.46	256.31	9.0	18.9	6.92	560	0.70	157.0	
MW4	3/18/19	268.77	9.72	259.05	10.0	18.8	6.85	399	2.20	145.0	
MW4	5/13/19	268.77	11.49	257.28	9.5	18.1	6.88	395	1.50	202.0	
MW4	12/16/19	268.77	11.99	256.78	9.0	18.3	6.78	473	2.03	204.0	
MW4	9/16/19	268.77	14.05	254.72	8.0	17.6	6.74	483	2.60	24.0	
MW4	3/16/20	268.77	11.74	257.03	9.0	16.8	6.87	472	1.31	155.0	
MW4	6/16/20	268.77	12.38	256.39	9.0	19.5	6.85	497	1.28	139.0	
MW4	9/14/20	268.77	15.02	253.75	7.5	19.0	6.87	482	1.66	211.0	
MW4	12/15/20	268.77	13.75	255.02	8.5	17.8	6.94	460	1.82	107.0	
MW4	3/17/21	268.77	12.30	256.47	9.0	18.5	7.03	450	1.82	153.0	
MW4	6/22/21	268.77	14.20	254.57	8.0	19.3	6.86	455	1.81	164.0	
MW4	9/21/21	268.77	16.65	252.12	7.0	19.1	6.72	451	1.79	200.0	

DELLAVALLE™
LABORATORY INC

Historical Groundwater Monitoring Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Survey Mark Elevation	Depth to Water	Ground Water Elevation	Volume Purged, gal.	Temp.	Field pH	Field EC	Dissolved Oxygen	Oxidation/ Reduction Potential	Turbidity
Method		Surveyed	Probe	Calculated	Measured	Metered	Metered	Metered	Metered	Metered	Metered
Units:		ft. msl	ft	ft. msl	gal	deg C	std units	umhs/cm	mg/L	Mv	NTU
MW4	12/14/21	268.77	11.65	257.12	9.5	18.3	6.95	333	1.88	142.0	
MW4	3/15/22	268.77	12.03	256.74	9.0	18.5	7.18	280	1.53	98.0	
MW4	6/15/22	268.77	13.43	255.34	8.5	17.1	6.55	356	1.23	17.0	
MW4	9/22/22	268.77	16.15	252.62	7.0	16.8	6.82	340	1.64	121.0	
MW4	11/28/22	268.77	15.93	252.84	7.5	16.8	7.00	400	1.20	69.0	70
MW4	3/2/23	268.77	10.60	258.17	9.0	16.8	6.98	526	1.50	103.0	26
MW4	5/17/23	268.77	12.18	256.59	9.0	18.4	6.96	448	1.20	89.0	28

DELLAVALLE LABORATORY INC

Historical Groundwater Monitoring Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Survey Mark Elevation	Depth to Water	Ground Water Elevation	Volume Purged, gal.	Temp.	Field pH	Field EC	Dissolved Oxygen	Oxidation/ Reduction Potential	Turbidity
Method		Surveyed	Probe	Calculated	Measured	Metered	Metered	Metered	Metered	Metered	Metered
Units:		ft. msl	ft	ft. msl	gal	deg C	std units	umhs/cm	mg/L	Mv	NTU
MW4A	8/30/07	265.72	9.82	255.90							
MW4A	9/24/07	265.72	9.64	256.08							
MW4A	10/31/07	265.72	8.81	256.91							
MW4A	11/29/07	265.72	7.78	257.94							
MW4A	12/27/07	265.72	7.09	258.63	18.0	16.4	6.82	450	0.40	161.0	
MW4A	2/2/08	265.72	6.73	258.99							
MW4A	3/2/08	265.72	7.23	258.49							
MW4A	7/7/08	265.72	9.48	256.24	9.0	16.6	6.73	473	3.79	52.7	
MW4A	10/10/08	265.72	10.17	255.55	9.0	17.6	6.55	370	2.40	-44.2	
MW4A	11/5/08	265.72	9.86	255.86							
MW4A	12/30/08	265.72	8.68	257.04	9.0	16.2	6.72	366	1.84	49.3	
MW4A	3/12/09	265.72	6.97	258.75	10.0	14.8	7.11	403	3.03	114.1	
MW4A	6/16/09	265.72	8.32	257.40	9.0	16.0	6.98	433	2.34	-56.1	
MW4A	9/22/09	265.72	10.49	255.23	8.0	16.9	6.09	392	3.04	26.0	
MW4A	12/15/09	265.72	8.50	257.22	9.0	16.6	6.16	398	3.61	116.2	

DELLAVALLE™
LABORATORY INC

Historical Groundwater Monitoring Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Survey Mark Elevation	Depth to Water	Ground Water Elevation	Volume Purged, gal.	Temp.	Field pH	Field EC	Dissolved Oxygen	Oxidation/ Reduction Potential	Turbidity
Method		Surveyed	Probe	Calculated	Measured	Metered	Metered	Metered	Metered	Metered	Metered
Units:		ft. msl	ft	ft. msl	gal	deg C	std units	umhs/cm	mg/L	Mv	NTU
MW4A	3/22/10	265.72	7.24	258.48	10.0	15.2	7.26	487	3.42	101.0	
MW4A	6/22/10	265.72	8.64	257.08	9.0	16.1	6.95	514	6.94	86.2	
MW4A	9/22/10	265.72	9.30	256.42	9.0	17.6	6.67	448	1.42	43.7	
MW4A	12/14/10	265.72	7.54	258.18	9.0	15.9	6.96	456	1.62	38.6	
MW4A	3/30/11	265.72	6.18	259.54	11.0	14.6	6.79	501	2.29	-167.8	
MW4A	6/23/11	265.72	7.93	257.79	9.0	16.5	6.76	451	2.78	44.4	
MW4A	9/14/11	265.72	9.23	256.49	9.0	18.2	6.74	418	0.93	-260.1	
MW4A	12/14/11	265.72	8.15	257.57	9.0	15.9	6.26	397	2.01	-1.9	
MW4A	3/21/12	265.72	7.10	258.62	10.0	14.3	6.40	370	2.12	66.5	
MW4A	6/26/12	265.72	9.14	256.58	9.0	16.7	6.77	418	1.81	56.0	
MW4A	9/26/12	265.72	9.92	255.80	8.0	17.9	6.32	421	1.78	36.7	
MW4A	12/19/12	265.72	7.82	257.90	9.0	16.1	6.97	399	1.16	-34.5	
MW4A	3/11/13	265.72	8.12	257.60	9.0	14.3	6.73	425	3.06	95.3	
MW4A	6/27/13	265.72	10.01	255.71	9.0	15.4	6.64	415	2.98	131.9	

DELLAVALLE LABORATORY INC

Historical Groundwater Monitoring Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Survey Mark Elevation	Depth to Water	Ground Water Elevation	Volume Purged, gal.	Temp.	Field pH	Field EC	Dissolved Oxygen	Oxidation/ Reduction Potential	Turbidity
Method		Surveyed	Probe	Calculated	Measured	Metered	Metered	Metered	Metered	Metered	Metered
Units:		ft. msl	ft	ft. msl	gal	deg C	std units	umhs/cm	mg/L	Mv	NTU
MW4A	9/12/13	265.72	11.60	254.12	8.0	16.9	6.40	391	1.77	112.4	
MW4A	12/11/13	265.72	10.91	254.81	8.0	16.6	6.69	369	1.42	32.6	
MW4A	3/5/14	265.72	7.98	257.74	10.0	15.1	6.86	381	1.37	120.0	
MW4A	6/17/14	265.72	10.45	255.27	9.0	16.8	6.76	391	1.58	60.7	
MW4A	9/18/14	265.72	12.72	253.00	7.0	17.7	6.81	338	1.04	28.3	
MW4A	12/18/14	265.72	9.81	255.91	8.0	17.4	6.95	347	0.62	31.8	
MW4A	3/24/15	265.72	9.12	256.60	9.0	15.3	6.68	370	0.09	46.0	
MW4A	6/11/15	265.72	10.07	255.65	10.0	15.9	6.58	391	0.14	113.5	
MW4A	9/17/15	265.72	12.34	253.38	8.0	18.1	6.68	396	0.60	99.1	
MW4A	12/16/15	265.72	10.21	255.51	8.0	17.5	6.38	365	3.14	50.6	
MW4A	3/29/16	265.72	6.68	259.04	10.0	14.6	6.72	468	0.12	112.4	
MW4A	6/21/16	265.72	9.81	255.91	8.0	16.0	6.59	497	0.95	113.2	
MW4A	9/8/16	265.72	11.16	254.56	7.0	16.8	6.65	471	0.50	134.8	
MW4A	12/9/16	265.72	8.99	256.73	9.0	17.1	6.54	454	0.48	66.5	

DELLAVALLE LABORATORY INC

Historical Groundwater Monitoring Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Survey Mark Elevation	Depth to Water	Ground Water Elevation	Volume Purged, gal.	Temp.	Field pH	Field EC	Dissolved Oxygen	Oxidation/ Reduction Potential	Turbidity
Method		Surveyed	Probe	Calculated	Measured	Metered	Metered	Metered	Metered	Metered	Metered
Units:		ft. msl	ft	ft. msl	gal	deg C	std units	umhs/cm	mg/L	Mv	NTU
MW4A	3/9/17	265.72	6.37	259.35	11.0	13.3	6.85	445	0.14	211.4	
MW4A	6/14/17	265.72	7.92	257.80	10.0	17.1	6.74	473	0.43	116.1	
MW4A	9/13/17	265.72	9.57	256.15	9.0	17.7	6.76	486	1.62	68.9	
MW4A	12/5/17	265.72	8.73	256.99	9.0	16.8	6.79	436	0.36	162.1	
MW4A	3/9/18	265.72	8.53	257.19	10.0	13.7	7.02	597	1.80	156.0	
MW4A	6/15/18	265.72	9.94	255.78	9.0	16.8	6.64	560	1.50	136.0	
MW4A	9/17/18	265.72	10.67	255.05	9.0	18.0	6.84	529	7.20	294.0	
MW4A	12/17/18	265.72	8.73	256.99	9.5	16.6	6.77	540	2.00	150.0	
MW4A	3/18/19	265.72	6.68	259.04	10.5	14.4	7.00	421	3.80	153.0	
MW4A	5/13/19	265.72	8.21	257.51	10.0	18.2	6.88	513	3.20	140.0	
MW4A	9/16/19	265.72	10.53	255.19	9.5	17.9	6.80	442	2.70	61.0	
MW4A	12/16/19	265.72	8.42	257.30	10.0	15.9	6.89	435	1.87	207.0	
MW4A	3/16/20	265.72	7.52	258.20	10.0	11.6	7.37	446	2.32	179.0	
MW4A	6/16/20	265.72	9.02	256.70	9.5	16.8	6.92	484	2.06	164.0	
MW4A	9/14/20	265.72	11.48	254.24	8.5	18.0	6.88	430	1.63	192.0	

DELLAVALLE™
LABORATORY INC

Historical Groundwater Monitoring Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Survey Mark Elevation	Depth to Water	Ground Water Elevation	Volume Purged, gal.	Temp.	Field pH	Field EC	Dissolved Oxygen	Oxidation/ Reduction Potential	Turbidity
Method		Surveyed	Probe	Calculated	Measured	Metered	Metered	Metered	Metered	Metered	Metered
Units:		ft. msl	ft	ft. msl	gal	deg C	std units	umhs/cm	mg/L	Mv	NTU
MW4A	12/15/20	265.72	10.19	255.53	9.0	16.1	7.03	413	1.67	145.0	
MW4A	3/17/21	265.72	8.76	256.96	9.5	13.0	7.17	433	2.14	92.0	
MW4A	6/22/21	265.72	10.73	254.99	8.5	16.6	6.88	387	1.29	158.0	
MW4A	9/21/21	265.72	13.09	252.63	7.5	18.7	6.68	270	1.07	203.0	
MW4A	12/14/21	265.72	7.84	257.88	10.0	15.7	6.95	247	2.60	158.0	
MW4A	3/15/22	265.72	8.34	257.38	10.0	13.8	6.85	347	2.04	109.0	
MW4A	6/15/22	265.72	9.93	255.79	9.0	16.7	6.65	370	1.51	65.0	
MW4A	9/22/22	265.72	12.49	253.23	8.0	18.5	6.76	318	1.65	107.0	
MW4A	11/28/22	265.72	12.22	253.50	9.0	16.9	7.25	377	3.50	213.0	21
MW4A	3/2/23	265.72	7.30	258.42	12.0	11.2	7.09	451	2.10	104.0	23
MW4A	6/26/23	265.72	10.07	255.65	9.0	17.8	6.98	427	1.60	141.0	23

DELLAVALLE LABORATORY INC

Historical Groundwater Monitoring Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Survey Mark Elevation	Depth to Water	Ground Water Elevation	Volume Purged, gal.	Temp.	Field pH	Field EC	Dissolved Oxygen	Oxidation/ Reduction Potential	Turbidity
Method		Surveyed	Probe	Calculated	Measured	Metered	Metered	Metered	Metered	Metered	Metered
Units:		ft. msl	ft	ft. msl	gal	deg C	std units	umhs/cm	mg/L	Mv	NTU
MW5A	8/30/07	266.13	8.86	257.27							
MW5A	9/24/07	266.13	8.72	257.41							
MW5A	10/31/07	266.13	7.92	258.21							
MW5A	11/29/07	266.13	6.68	259.45							
MW5A	12/31/07	266.13	6.06	260.07	45.0	16.3	6.94	460	1.30	224.0	
MW5A	2/2/08	266.13	5.72	260.41							
MW5A	3/2/08	266.13	6.22	259.91							
MW5A	7/2/08	266.13	8.29	257.84	40.0	59.9	7.00	353			
MW5A	10/10/08	266.13	9.43	256.70	40.0	17.2	6.63	295	3.45	24.1	
MW5A	11/5/08	266.13	9.17	256.96							
MW5A	12/30/08	266.13	7.84	258.29	39.0	16.5	6.77	306	1.29	133.1	
MW5A	3/12/09	266.13	5.99	260.14	44.0	15.3	6.87	415	2.03	117.8	
MW5A	6/16/09	266.13	7.16	258.97	41.0	15.7	6.43	445	1.93	9.8	
MW5A	9/22/09	266.13	9.82	256.31	36.0	17.4	6.85	318	2.30	51.8	
MW5A	12/15/09	266.13	7.43	258.70	41.0	16.9	6.43	360	2.80	131.4	

DELLAVALLE LABORATORY INC

Historical Groundwater Monitoring Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Survey Mark Elevation	Depth to Water	Ground Water Elevation	Volume Purged, gal.	Temp.	Field pH	Field EC	Dissolved Oxygen	Oxidation/ Reduction Potential	Turbidity
Method		Surveyed	Probe	Calculated	Measured	Metered	Metered	Metered	Metered	Metered	Metered
Units:		ft. msl	ft	ft. msl	gal	deg C	std units	umhs/cm	mg/L	Mv	NTU
MW5A	3/22/10	266.13	6.27	259.86	43.0	15.3	6.68	529	2.59	97.9	
MW5A	6/22/10	266.13	7.59	258.54	41.0	16.3	6.76	439	2.55	154.3	
MW5A	9/22/10	266.13	8.26	257.87	39.0	16.5	6.68	430	1.62	97.6	
MW5A	12/14/10	266.13	6.41	259.72	42.0	16.2	6.96	475	1.48	32.5	
MW5A	3/29/11	266.13	5.08	261.05	45.0	15.1	6.80	496	2.11	-156.4	
MW5A	6/23/11	266.13	6.54	259.59	42.0	14.3	6.62	464	1.84	24.2	
MW5A	9/14/11	266.13	7.97	258.16	39.0	16.6	6.81	375	1.24	124.0	
MW5A	12/14/11	266.13	6.96	259.17	42.0	16.5	6.35	359	1.69	-12.0	
MW5A	3/21/12	266.13	5.89	260.24	45.0	14.9	6.62	379	2.60	36.3	
MW5A	6/26/12	266.13	7.82	258.31	40.0	15.6	6.67	370	1.64	53.8	
MW5A	9/26/12	266.13	8.83	257.30	38.0	16.5	6.63	371	1.94	12.4	
MW5A	12/19/12	266.13	6.72	259.41	42.0	16.5	6.97	424	1.18	-28.7	
MW5A	3/11/13	266.13	6.94	259.19	42.0	14.8	6.61	404	2.09	71.3	
MW5A	6/27/13	266.13	8.88	257.25	33.0	16.1	5.50	348	2.85	192.2	

DELLAVALLE LABORATORY INC

Historical Groundwater Monitoring Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Survey Mark Elevation	Depth to Water	Ground Water Elevation	Volume Purged, gal.	Temp.	Field pH	Field EC	Dissolved Oxygen	Oxidation/ Reduction Potential	Turbidity
Method		Surveyed	Probe	Calculated	Measured	Metered	Metered	Metered	Metered	Metered	Metered
Units:		ft. msl	ft	ft. msl	gal	deg C	std units	umhs/cm	mg/L	Mv	NTU
MW5A	9/12/13	266.13	11.79	254.34	33.0	17.9	6.82	360	2.40	118.7	
MW5A	12/11/13	266.13	10.17	255.96	35.0	17.4	6.62	381	1.71	65.3	
MW5A	3/5/14	266.13	6.84	259.29	41.0	16.1	6.97	401	1.28	138.4	
MW5A	6/17/14	266.13	9.43	256.70	40.0	16.4	6.73	378	1.51	64.1	
MW5A	9/18/14	266.13	12.09	254.04	32.0	17.4	6.76	317	1.11	-22.5	
MW5A	12/18/14	266.13	8.76	257.37	38.0	17.7	6.79	370	0.56	44.6	
MW5A	3/24/15	266.13	7.91	258.22	45.0	15.6	6.61	424	0.06	49.8	
MW5A	6/11/15	266.13	8.83	257.3	38.0	16.0	6.46	404	0.10	114.4	
MW5A	9/17/15	266.13	11.69	254.44	33.0	17.6	6.65	380	0.55	92.0	
MW5A	12/16/15	266.13	9.16	256.97	38.0	17.9	6.46	423	1.55	49.8	
MW5A	3/29/16	266.13	6.68	259.45	42.0	15.0	6.61	505	0.13	138.9	
MW5A	6/21/16	266.13	8.53	257.60	39.0	15.9	6.08	479	0.62	150.5	
MW5A	9/8/16	266.13	10.31	255.82	36.0	17.5	6.66	425	0.32	144.0	
MW5A	12/9/16	266.13	7.89	258.24	40.0	18.2	6.50	446	0.27	78.9	

DELLAVALLE LABORATORY INC

Historical Groundwater Monitoring Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Survey Mark Elevation	Depth to Water	Ground Water Elevation	Volume Purged, gal.	Temp.	Field pH	Field EC	Dissolved Oxygen	Oxidation/ Reduction Potential	Turbidity
Method		Surveyed	Probe	Calculated	Measured	Metered	Metered	Metered	Metered	Metered	Metered
Units:		ft. msl	ft	ft. msl	gal	deg C	std units	umhs/cm	mg/L	Mv	NTU
MW5A	3/9/17	266.13	5.12	261.01	45.0	14.9	6.74	457	0.20	163.1	
MW5A	6/14/17	266.13	6.43	259.70	44.0	16.4	6.69	465	0.48	104.1	
MW5A	9/13/17	266.13	8.28	257.85	39.0	17.1	6.53	512	1.80	138.6	
MW5A	12/5/17	266.13	7.45	258.68	41.0	17.5	6.74	408	0.20	142.1	
MW5A	3/9/18	266.13	7.25	258.88	41.0	14.3	6.84	491	1.90	154.0	
MW5A	6/15/18	266.13	8.57	257.56	40.0	17.7	6.39	482	2.00	144.0	
MW5A	9/17/18	266.13	9.52	256.61	37.0	17.9	6.62	462	8.40	150.0	
MW5A	12/17/18	266.13	7.38	258.75	41.0	17.8	6.55	421	2.10	160.0	
MW5A	3/18/19	266.13	5.27	260.86	45.0	18.0	6.83	398	1.30	180.0	
MW5A	5/13/19	266.13	6.85	259.28	40.0	16.8	7.30	438	1.80	202.0	
MW5A	9/16/19	266.13	9.25	256.88	37.0	19.2	6.67	408	3.90	26.0	
MW5A	12/16/19	266.13	7.05	259.08	42.0	17.5	6.81	393	1.76	273.0	
MW5A	3/16/20	266.13	5.99	260.14	44.0	14.2	7.03	379	3.26	161.0	
MW5A	6/16/20	266.13	7.60	258.53	41.0	15.7	6.92	467	3.31	204.0	
MW5A	9/14/20	266.13	10.47	255.66	35.0	18.9	6.84	341	2.56	193.0	

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Historical Groundwater Monitoring Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Survey Mark Elevation	Depth to Water	Ground Water Elevation	Volume Purged, gal.	Temp.	Field pH	Field EC	Dissolved Oxygen	Oxidation/ Reduction Potential	Turbidity
Method		Surveyed	Probe	Calculated	Measured	Metered	Metered	Metered	Metered	Metered	Metered
Units:		ft. msl	ft	ft. msl	gal	deg C	std units	umhs/cm	mg/L	Mv	NTU
MW5A	12/15/20	266.13	9.04	257.09	38.0	15.5	7.06	369	4.48	211.0	
MW5A	3/17/21	266.13	7.47	258.66	41.0	15.1	7.01	384	2.91	219.0	
MW5A	6/22/21	266.13	9.52	256.61	37.0	20.3	6.89	315	2.12	58.0	
MW5A	9/21/21	266.13	12.27	253.86	31.0	20.3	7.02	315	2.89	129.0	
MW5A	12/14/21	266.13	6.38	259.75	43.0	15.4	6.92	273	1.99	176.0	
MW5A	3/15/22	266.13	6.91	259.22	42.0	20.3	6.80	315	2.44	135.0	
MW5A	6/15/22	266.13	8.43	257.70	39.0	16.7	6.35	342	1.58	101.0	
MW5A	9/22/22	266.13	11.53	254.60	33.0	19.0	6.63	276	1.65	132.0	
MW5A	11/28/22	266.13	11.31	254.82	37.5	19.6	6.90	327	2.10	88.0	4
MW5A	3/2/23	266.13	6.11	260.02	42.0	15.1	7.18	437	1.60	84.0	3
MW5A	5/17/23	266.13	7.95	258.18	42.0	16.9	7.00	387	1.20	155.0	3

DELLAVALLE™
LABORATORY INC

Historical Groundwater Monitoring Data
City of Ione WWTF
R5-2013-0022-REV1
Depth to Water Only

Sample ID	Date	Survey Mark Elevation	Depth to Water	Ground Water Elevation	Sample ID	Date	Survey Mark Elevation	Depth to Water	Ground Water Elevation
Method		Surveyed	Probe	Calculated	Method		Surveyed	Probe	Calculated
Units:		ft. msl	ft	ft. msl	Units:		ft. msl	ft	ft. msl
P1	**Latitude**	**38.348882**	**Longitude**	**-120.955821**	**P2**	**Latitude**	**38.351917**	**Longitude**	**-120.955127**
P1	8/30/07	268.88	8.77	260.11	P2	8/30/07	277.33	17.12	260.21
P1	9/24/07	268.88	8.99	259.89	P2	9/24/07	277.33	17.41	259.92
P1	10/31/07	268.88	8.12	260.76	P2	10/31/07	277.33	16.72	260.61
P1	11/29/07	268.88	6.38	262.50	P2	11/29/07	277.33	15.72	261.61
P1	12/24/07	268.88	5.65	263.23	P2	12/24/07	277.33	15.16	262.17
P1	2/2/08	268.88	4.97	263.91	P2	2/2/08	277.33	14.45	262.88
P1	3/2/08	268.88	6.84	262.04	P2	3/2/08	277.33	15.06	262.27
P1	7/21/08	268.88	8.34	260.54	P2	7/21/08	277.33	16.28	261.05
P1	10/2/08	268.88	9.61	259.27	P2	10/2/08	277.33	17.41	259.92
P1	11/5/08	268.88	9.52	259.36	P2	11/5/08	277.33	17.37	259.96
P1	12/29/08	268.88	7.73	261.15	P2	12/29/08	277.33	16.10	261.23
P1	3/11/09	268.88	5.40	263.48	P2	3/11/09	277.33	14.86	262.47
P1	6/16/09	268.88	6.28	262.60	P2	6/16/09	277.33	15.86	261.47
P1	9/22/09	268.88	9.86	259.02	P2	9/22/09	277.33	17.47	259.86
P1	12/15/09	268.88	7.83	261.05	P2	12/15/09	277.33	16.41	260.92
P1	3/22/10	268.88	5.36	263.52	P2	3/22/10	277.33	15.16	262.17
P1	6/22/10	268.88	6.73	262.15	P2	6/22/10	277.33	15.82	261.51
P1	9/22/10	268.88	8.14	260.74	P2	9/22/10	277.33	16.96	260.37
P1	12/13/10	268.88	5.96	262.92	P2	12/13/10	277.33	15.45	261.88
P1	3/28/11	268.88	3.68	265.20	P2	3/28/11	277.33	12.82	264.51
P1	6/22/11	268.88	5.18	263.70	P2	6/22/11	277.33	15.14	262.19
P1	9/13/11	268.88	7.04	261.84	P2	9/13/11	277.33	16.34	260.99
P1	12/12/11	268.88	6.01	262.87	P2	12/12/11	277.33	15.75	261.58
P1	3/20/12	268.88	4.52	264.36	P2	3/20/12	277.33	14.43	262.90
P1	6/25/12	268.88	6.29	262.59	P2	6/25/12	277.33	16.01	261.32
P1	9/24/12	268.88	8.17	260.71	P2	9/24/12	277.33	17.44	259.89
P1	12/17/12	268.88	5.98	262.9	P2	12/17/12	277.33	16.09	261.24
P1	3/11/13	268.88	5.91	262.97	P2	3/11/13	277.33	15.99	261.34
P1	6/24/13	268.88	7.61	261.27	P2	6/24/13	277.33	17.09	260.24
P1	9/11/13	268.88	10.20	258.68	P2	9/11/13	277.33	18.70	258.63

DELLAVALLE LABORATORY INC

Historical Groundwater Monitoring Data
City of Ione WWTF
R5-2013-0022-REV1
Depth to Water Only

Sample ID	Date	Survey Mark Elevation	Depth to Water	Ground Water Elevation	Sample ID	Date	Survey Mark Elevation	Depth to Water	Ground Water Elevation
Method		Surveyed	Probe	Calculated	Method		Surveyed	Probe	Calculated
Units:		ft. msl	ft	ft. msl	Units:		ft. msl	ft	ft. msl
P1	12/10/13	268.88	10.26	258.62	P2	12/10/13	277.33	18.87	258.46
P1	3/4/14	268.88	5.49	263.39	P2	3/4/14	277.33	13.84	263.49
P1	6/16/14	268.88	8.36	260.52	P2	6/16/14	277.33	17.04	260.29
P1	9/17/14	268.88	12.05	256.83	P2	9/17/14	277.33	19.79	257.54
P1	12/17/14	268.88	7.62	261.26	P2	12/17/14	277.33	14.47	262.86
P1	3/23/15	268.88	7.01	261.87	P2	3/23/15	277.33	15.91	261.42
P1	6/10/15	268.88	7.08	261.80	P2	6/10/15	277.33	15.02	262.31
P1	9/16/15	268.88	11.72	257.16	P2	9/16/15	277.33	19.46	257.87
P1	12/15/15	268.88	7.77	261.11	P2	12/15/15	277.33	14.74	262.59
P1	3/29/16	268.88	4.89	263.99	P2	3/29/16	277.33	12.64	264.69
P1	6/20/16	268.88	6.89	261.99	P2	6/20/16	277.33	15.04	262.29
P1	9/7/16	268.88	10.06	258.82	P2	9/7/16	277.33	18.38	258.95
P1	12/7/16	268.88	6.92	261.96	P2	12/7/16	277.33	15.22	262.11
P1	3/8/17	268.88	3.67	265.21	P2	3/8/17	277.33	12.85	264.48
P1	6/13/17	268.88	5.23	263.65	P2	6/13/17	277.33	15.53	261.80
P1	9/12/17	268.88	7.47	261.41	P2	9/12/17	277.33	16.89	260.44
P1	12/4/17	268.88	5.92	262.96	P2	12/4/17	277.33	14.48	262.85
P1	3/9/18	268.88	5.65	263.23	P2	3/9/18	277.33	14.25	263.08
P1	6/15/18	268.88	6.14	262.74	P2	6/15/18	277.33	14.30	263.03
P1	9/16/18	268.88	8.44	260.44	P2	9/16/18	277.33	16.68	260.65
P1	12/16/18	268.88	7.25	261.63	P2	12/16/18	277.33	17.18	260.15
P1	3/18/19	268.88	3.65	265.23	P2	3/18/19	277.33	14.58	262.75
P1	5/13/19	268.88	5.22	263.66	P2	5/13/19	277.33	15.45	261.88
P1	9/15/19	268.88	7.54	261.34	P2	9/15/19	277.33	16.42	260.91
P1	12/15/19	268.88	5.42	263.46	P2	12/15/19	277.33	13.82	263.51
P1	3/15/20	268.88	4.92	263.96	P2	3/15/20	277.33	14.58	262.75
P1	6/14/20	268.88	6.34	262.54	P2	6/14/20	277.33	16.08	261.25
P1	9/13/20	268.88	9.89	258.99	P2	9/13/20	277.33	18.30	259.03
P1	12/15/20	268.88	8.11	260.77	P2	12/15/20	277.33	16.29	261.04
P1	3/17/21	268.88	6.15	262.73	P2	3/17/21	277.33	14.82	262.51
P1	6/22/21	268.88	8.11	260.77	P2	6/22/21	277.33	17.06	260.27
P1	9/21/21	268.88	12.08	256.80	P2	9/21/21	277.33	20.03	257.3
P1	12/14/21	268.88	6.11	262.77	P2	12/14/21	277.33	16.71	260.62

DELLAVALLE™
LABORATORY INC

Historical Groundwater Monitoring Data
City of Ione WWTF
R5-2013-0022-REV1
Depth to Water Only

Sample ID	Date	Survey Mark Elevation	Depth to Water	Ground Water Elevation	Sample ID	Date	Survey Mark Elevation	Depth to Water	Ground Water Elevation
Method		Surveyed	Probe	Calculated	Method		Surveyed	Probe	Calculated
Units:		ft. msl	ft	ft. msl	Units:		ft. msl	ft	ft. msl
P1	3/15/22	268.88	6.22	262.66	P2	3/15/22	277.33	16.24	261.09
P1	6/12/22	268.88	6.49	262.39	P2	6/12/22	277.33	15.53	261.80
P1	9/22/22	268.88	11.04	257.84	P2	9/22/22	277.33	18.24	259.09
P1	11/28/22	268.88	10.86	258.02	P2	11/28/22	277.33	18.21	259.12
P1	3/2/23	268.88	4.77	264.11	P2	3/2/23	277.33	13.23	264.10
P1	5/17/23	268.88	6.07	262.81	P2	5/17/23	277.33	14.38	262.95

DELLAVALLE™
LABORATORY INC

Historical Groundwater Monitoring Data
City of Ione WWTF
R5-2013-0022-REV1
Depth to Water Only

Sample ID	Date	Survey Mark Elevation	Depth to Water	Ground Water Elevation	Sample ID	Date	Survey Mark Elevation	Depth to Water	Ground Water Elevation
Method		Surveyed	Probe	Calculated	Method		Surveyed	Probe	Calculated
Units:		ft. msl	ft	ft. msl	Units:		ft. msl	ft	ft. msl
P3	**Latitude**	**38.350149**	**Longitude**	**-120.957616**	**P5B**	**Latitude**	**38.348293**	**Longitude**	**-120.958019**
P3	8/30/07	275.71	17.67	258.04	P5B	8/30/07	265.51	8.23	257.28
P3	9/24/07	275.71	17.04	258.67	P5B	9/24/07	265.51	8.08	257.43
P3	10/31/07	275.71	15.43	260.28	P5B	10/31/07	265.51	7.29	258.22
P3	11/29/07	275.71	12.57	263.14	P5B	11/29/07	265.51	6.06	259.45
P3	12/24/07	275.71	12.32	263.39	P5B	12/24/07	265.51	5.44	260.07
P3	2/2/08	275.71	12.36	263.35	P5B	2/2/08	265.51	5.11	260.40
P3	3/2/08	275.71	13.55	262.16	P5B	3/2/08	265.51	5.59	259.92
P3	7/21/08	275.71	16.65	259.06	P5B	7/21/08	265.51	8.28	257.23
P3	10/2/08	275.71	16.89	258.82	P5B	10/2/08	265.51	8.96	256.55
P3	11/5/08	275.71	16.77	258.94	P5B	11/5/08	265.51	8.53	256.98
P3	12/29/08	275.71	16.23	259.48	P5B	12/29/08	265.51	7.19	258.32
P3	3/11/09	275.71	13.19	262.52	P5B	3/11/09	265.51	5.36	260.15
P3	6/16/09	275.71	14.27	261.44	P5B	6/16/09	265.51	6.51	259.00
P3	9/22/09	275.71	16.90	258.81	P5B	9/22/09	265.51	9.19	256.32
P3	12/15/09	275.71	14.99	260.72	P5B	12/15/09	265.51	7.08	258.43
P3	3/22/10	275.71	13.23	262.48	P5B	3/22/10	265.51	5.63	259.88
P3	6/22/10	275.71	15.42	260.29	P5B	6/22/10	265.51	6.96	258.55
P3	9/22/10	275.71	18.35	257.36	P5B	9/22/10	265.51	7.62	257.89
P3	12/13/10	275.71	14.05	261.66	P5B	12/13/10	265.51	5.79	259.72
P3	3/28/11	275.71	11.38	264.33	P5B	3/28/11	265.51	4.46	261.05
P3	6/22/11	275.71	12.89	262.82	P5B	6/22/11	265.51	5.91	259.60
P3	9/13/11	275.71	15.93	259.78	P5B	9/13/11	265.51	7.32	258.19
P3	12/12/11	275.71	15.74	259.97	P5B	12/12/11	265.51	6.31	259.20
P3	3/20/12	275.71	13.59	262.12	P5B	3/20/12	265.51	5.24	260.27
P3	6/25/12	275.71	15.54	260.17	P5B	6/25/12	265.51	7.16	258.35
P3	9/24/12	275.71	15.96	259.75	P5B	9/24/12	265.51	8.19	257.32
P3	12/17/12	275.71	14.49	261.22	P5B	12/17/12	265.51	6.08	259.43
P3	3/11/13	275.71	15.20	260.51	P5B	3/11/13	265.51	6.31	259.20
P3	6/24/13	275.71	16.78	258.93	P5B	6/24/13	265.51	8.24	257.27
P3	9/11/13	275.71	18.59	257.12	P5B	9/11/13	265.51	10.14	255.37

DELLAVALLE™
LABORATORY INC

Historical Groundwater Monitoring Data
City of Ione WWTF
R5-2013-0022-REV1
Depth to Water Only

Sample ID	Date	Survey Mark Elevation	Depth to Water	Ground Water Elevation	Sample ID	Date	Survey Mark Elevation	Depth to Water	Ground Water Elevation
Method		Surveyed	Probe	Calculated	Method		Surveyed	Probe	Calculated
Units:		ft. msl	ft	ft. msl	Units:		ft. msl	ft	ft. msl
P3	12/10/13	275.71	17.44	258.27	P5B	12/10/13	265.51	6.54	258.97
P3	3/4/14	275.71	15.48	260.23	P5B	3/4/14	265.51	6.19	259.32
P3	6/16/14	275.71	17.76	257.95	P5B	6/16/14	265.51	8.78	256.73
P3	9/17/14	275.71	20.23	255.48	P5B	9/17/14	265.51	11.44	254.07
P3	12/17/14	275.71	17.17	258.54	P5B	12/17/14	265.51	8.11	257.40
P3	3/23/15	275.71	17.05	258.66	P5B	3/23/15	265.51	7.37	258.14
P3	6/10/15	275.71	17.40	258.31	P5B	6/10/15	265.51	8.19	257.32
P3	9/16/15	275.71	20.32	255.39	P5B	9/16/15	265.51	11.06	254.45
P3	12/15/15	275.71	17.74	257.97	P5B	12/15/15	265.51	8.51	257.00
P3	3/29/16	275.71	15.65	260.06	P5B	3/29/16	265.51	6.02	259.49
P3	6/20/16	275.71	16.65	259.06	P5B	6/20/16	265.51	7.88	257.63
P3	9/7/16	275.71	20.71	255.00	P5B	9/7/16	265.51	9.66	255.85
P3	12/7/16	275.71	19.23	256.48	P5B	12/7/16	265.51	7.24	258.27
P3	3/8/17	275.71	14.52	261.19	P5B	3/8/17	265.51	4.51	261.00
P3	6/13/17	275.71	16.37	259.34	P5B	6/13/17	265.51	5.83	259.68
P3	9/12/17	275.71	18.93	256.78	P5B	9/12/17	265.51	7.65	257.86
P3	12/4/17	275.71	18.85	256.86	P5B	12/4/17	265.51	6.84	258.67
P3	3/8/18	275.71	18.80	256.91	P5B	3/8/18	265.51	6.60	258.91
P3	6/15/18	275.71	19.53	256.18	P5B	6/15/18	265.51	7.85	257.66
P3	9/16/18	275.71	20.97	254.74	P5B	9/16/18	265.51	8.89	256.62
P3	12/16/18	275.71	18.98	256.73	P5B	12/16/18	265.51	6.76	258.75
P3	3/18/19	275.71	14.30	261.41	P5B	3/18/19	265.51	4.63	260.88
P3	5/13/19	275.71	16.30	259.41	P5B	5/13/19	265.51	6.09	259.42
P3	9/15/19	275.71	17.81	257.90	P5B	9/15/19	265.51	8.34	257.17
P3	12/15/19	275.71	18.65	257.06	P5B	12/15/19	265.51	6.44	259.07
P3	3/15/20	275.71	18.20	257.51	P5B	3/15/20	265.51	5.31	260.20
P3	6/14/20	275.71	17.62	258.09	P5B	6/14/20	265.51	6.69	258.82
P3	9/13/20	275.71	22.33	253.38	P5B	9/13/20	265.51	9.83	255.68
P3	12/13/20	275.71	20.66	255.05	P5B	12/13/20	265.51	8.45	257.06

DELLAVALLE™
LABORATORY INC

Historical Groundwater Monitoring Data
City of Ione WWTF
R5-2013-0022-REV1
Depth to Water Only

Sample ID	Date	Survey Mark Elevation	Depth to Water	Ground Water Elevation	Sample ID	Date	Survey Mark Elevation	Depth to Water	Ground Water Elevation
Method		Surveyed	Probe	Calculated	Method		Surveyed	Probe	Calculated
Units:		ft. msl	ft	ft. msl	Units:		ft. msl	ft	ft. msl
P3	3/17/21	275.71	19.24	256.47	P5B	3/17/21	265.51	6.82	258.69
P3	6/22/21	275.71	21.26	254.45	P5B	6/22/21	265.51	8.92	256.59
P3	9/21/21	275.71	24.10	251.61	P5B	9/21/21	265.51	11.65	253.86
P3	12/14/21	275.71	17.13	258.58	P5B	12/14/21	265.51	5.77	259.74
P3	3/15/22	275.71	17.31	258.40	P5B	3/15/22	265.51	6.28	259.23
P3	6/12/22	275.71	18.68	257.03	P5B	6/12/22	265.51	7.79	257.72
P3	9/22/22	275.71	23.15	252.56	P5B	9/22/22	265.51	11.42	254.09
P3	11/28/22	275.71	22.65	253.06	P5B	11/28/22	265.51	10.70	254.81
P3	3/2/23	275.71	16.60	259.11	P5B	3/2/23	265.51	5.50	260.01
P3	5/17/23	275.71	18.87	256.84	P5B	5/17/23	265.51	7.28	258.23

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LABORATORY INC

Historical Groundwater Monitoring Data
City of Ione WWTF
R5-2013-0022-REV1
Depth to Water Only

Sample ID	Date	Survey Mark Elevation	Depth to Water	Ground Water Elevation	Sample ID	Date	Survey Mark Elevation	Depth to Water	Ground Water Elevation
Method		Surveyed	Probe	Calculated	Method		Surveyed	Probe	Calculated
Units:		ft. msl	ft	ft. msl	Units:		ft. msl	ft	ft. msl
MW08-01	**Latitude**	**38.345472**	**Longitude**	**-120.962208**	**MW08-02A**	**Latitude**	**38.344438**	**Longitude**	**-120.958077**
MW08-01	9/22/09	258.16	5.59	252.57	MW08-02A	9/22/09	262.33	14.63	247.70
MW08-01	12/15/09	258.16	3.46	254.70	MW08-02A	12/15/09	262.33	14.21	248.12
MW08-01	3/22/10	258.16	2.54	255.62	MW08-02A	3/22/10	262.33	8.59	253.74
MW08-01	6/22/10	258.16	3.79	254.37	MW08-02A	6/22/10	262.33	9.42	252.91
MW08-01	9/22/10	258.16	4.43	253.73	MW08-02A	9/22/10	262.33	12.01	250.32
MW08-01	12/13/10	258.16	2.22	255.94	MW08-02A	12/13/10	262.33	9.45	252.88
MW08-01	3/28/11	258.16	1.64	256.52	MW08-02A	3/28/11	262.33	7.01	255.32
MW08-01	9/13/11	258.16	4.20	253.96	MW08-02A	9/13/11	262.33	10.59	251.74
MW08-01	3/20/12	258.16	1.79	256.37	MW08-02A	3/20/12	262.33	7.63	254.70
MW08-01	9/24/12	258.16	5.76	252.40	MW08-02A	9/24/12	262.33	11.71	250.62
MW08-01	3/11/13	258.16	2.69	255.47	MW08-02A	3/11/13	262.33	7.95	254.38
MW08-01	6/24/13	258.16	5.18	252.98	MW08-02A	6/24/13	262.33	9.91	252.42
MW08-01	9/11/13	258.16	8.35	249.81	MW08-02A	9/11/13	262.33	12.60	249.73
MW08-01	3/4/14	258.16	2.40	255.76	MW08-02A	3/4/14	262.33	10.26	252.07
MW08-01	6/16/14	258.16	4.93	253.23	MW08-02A	6/16/14	262.33	10.65	251.68
MW08-01	9/17/14	258.16	7.32	250.84	MW08-02A	9/17/14	262.33	14.90	247.43
MW08-01	12/17/14	258.16	4.67	253.49	MW08-02A	12/17/14	262.33	14.78	247.55
MW08-01	3/23/15	258.16	3.40	254.76	MW08-02A	3/23/15	262.33	10.04	252.29
MW08-01	6/10/15	258.16	4.69	253.47	MW08-02A	6/10/15	262.33	11.02	251.31
MW08-01	9/16/15	258.16	6.93	251.23	MW08-02A	9/16/15	262.33	15.35	246.98
MW08-01	12/15/15	258.16	5.00	253.16	MW08-02A	12/15/15	262.33	15.33	247.00
MW08-01	3/29/16	258.16	2.77	255.39	MW08-02A	3/29/16	262.33	8.95	253.38
MW08-01	6/20/16	258.16	4.69	253.47	MW08-02A	6/20/16	262.33	10.8	251.53
MW08-01	9/7/16	258.16	6.08	252.08	MW08-02A	9/7/16	262.33	14.12	248.21
MW08-01	12/7/16	258.16	3.63	254.53	MW08-02A	12/7/16	262.33	12.65	249.68
MW08-01	3/8/17	258.16	2.14	256.02	MW08-02A	3/8/17	262.33	not measured	not measured
MW08-01	6/13/17	258.16	3.46	254.70	MW08-02A	6/13/17	262.33	8.39	253.94
MW08-01	9/12/17	258.16	5.02	253.14	MW08-02A	9/12/17	262.33	10.78	251.55
MW08-01	12/4/17	258.16	3.39	254.77	MW08-02A	12/4/17	262.33	9.43	252.90
MW08-01	3/8/18	258.16	2.86	255.30	MW08-02A	3/8/18	262.33	7.87	254.46

DELLAVALLE™
LABORATORY INC

Historical Groundwater Monitoring Data
City of Ione WWTF
R5-2013-0022-REV1
Depth to Water Only

Sample ID	Date	Survey Mark Elevation	Depth to Water	Ground Water Elevation	Sample ID	Date	Survey Mark Elevation	Depth to Water	Ground Water Elevation
Method		Surveyed	Probe	Calculated	Method		Surveyed	Probe	Calculated
Units:		ft. msl	ft	ft. msl	Units:		ft. msl	ft	ft. msl
MW08-01	6/15/18	258.16	5.36	252.80	MW08-02A	6/15/18	262.33	8.33	254.00
MW08-01	9/16/18	258.16	5.57	252.59	MW08-02A	9/16/18	262.33	10.89	251.44
MW08-01	12/16/18	258.16	3.90	254.26	MW08-02A	12/16/18	262.33	10.13	252.20
MW08-01	3/18/19	258.16	20.23	255.83	MW08-02A	3/18/19	262.33	6.99	255.34
MW08-01	5/10/19	258.16	17.17	254.66	MW08-02A	5/10/19	262.33	7.15	255.18
MW08-01	9/15/19	258.16	17.05	252.84	MW08-02A	9/16/19	262.33	10.67	251.66
MW08-01	12/15/19	258.16	17.40	255.30	MW08-02A	12/16/19	262.33	9.41	252.92
MW08-01	3/15/20	258.16	20.32	255.89	MW08-02A	3/16/20	262.33	8.13	254.20
MW08-01	6/14/20	258.16	17.74	254.09	MW08-02A	6/14/20	262.33	8.82	253.51
MW08-01	9/13/20	258.16	15.65	251.98	MW08-02A	9/13/20	262.33	12.95	249.38
MW08-01	12/13/20	258.16	16.65	253.41	MW08-02A	12/13/20	262.33	13.41	248.92
MW08-01	3/16/21	258.16	20.71	255.22	MW08-02A	3/16/21	262.33	9.80	252.53
MW08-01	6/20/21	258.16	19.23	254.51	MW08-02A	6/20/21	262.33	11.63	250.70
MW08-01	9/21/21	258.16	14.52	250.35	MW08-02A	9/19/21	262.33	15.67	246.66
MW08-01	12/12/21	258.16	16.37	254.41	MW08-02A	12/12/21	262.33	13.61	248.72
MW08-01	3/14/22	258.16	18.93	254.66	MW08-02A	3/14/22	262.33	9.90	252.43
MW08-01	6/12/22	258.16	18.85	253.36	MW08-02A	6/12/22	262.33	11.17	251.16
MW08-01	9/24/22	258.16	18.80	250.82	MW08-02A	9/24/22	262.33	15.91	246.42
MW08-01	11/28/22	258.16	6.38	251.78	MW08-02A	11/28/22	262.33	15.90	246.43
MW08-01	3/2/23	258.16	2.23	255.93	MW08-02A	3/2/23	262.33	9.52	252.81
MW08-01	6/26/23	258.16	5.02	253.14	MW08-02A	6/26/23	262.33	10.82	251.51

DELLAVALLE™
LABORATORY INC

Historical Groundwater Monitoring Data
City of Ione WWTF
R5-2013-0022-REV1
Depth to Water Only

Sample ID	Date	Survey Mark Elevation	Depth to Water	Ground Water Elevation	Sample ID	Date	Survey Mark Elevation	Depth to Water	Ground Water Elevation
Method		Surveyed	Probe	Calculated	Method		Surveyed	Probe	Calculated
Units:		ft. msl	ft	ft. msl	Units:		ft. msl	ft	ft. msl
MW08-2B	**Latitude**	**38.344469**	**Longitude**	**-120.958032**	**MW08-03**	**Latitude**	**38.343474**	**Longitude**	**-120.951869**
MW08-2B	9/22/09	262.36	15.00	247.36	MW08-3	9/22/09	268.76	12.05	256.71
MW08-2B	12/15/09	262.36	14.30	248.06	MW08-3	12/15/09	268.76	8.81	259.95
MW08-2B	3/22/10	262.36	5.43	256.93	MW08-3	3/22/10	268.76	3.93	264.83
MW08-2B	6/22/10	262.36	8.70	253.66	MW08-3	6/22/10	268.76	6.95	261.81
MW08-2B	9/22/10	262.36	12.09	250.27	MW08-3	9/22/10	268.76	9.13	259.63
MW08-2B	12/13/10	262.36	7.61	254.75	MW08-3	12/13/10	268.76	4.08	264.68
MW08-2B	3/28/11	262.36	3.87	258.49	MW08-3	3/28/11	268.76	3.20	265.56
MW08-2B	9/13/11	262.36	10.13	252.23	MW08-3	9/13/11	268.76	8.85	259.91
MW08-2B	3/20/12	262.36	4.45	257.91	MW08-3	3/20/12	268.76	3.37	265.39
MW08-2B	9/24/12	262.36	12.72	249.64	MW08-3	9/24/12	268.76	10.45	258.31
MW08-2B	3/11/13	262.36	6.37	255.99	MW08-3	3/11/13	268.76	4.52	264.24
MW08-2B	6/24/13	262.36	10.65	251.71	MW08-3	6/24/13	268.76	9.13	259.63
MW08-2B	9/11/13	262.36	13.91	248.45	MW08-3	9/11/13	268.76	11.21	257.55
MW08-2B	3/4/14	262.36	9.22	253.14	MW08-3	3/4/14	268.76	5.27	263.49
MW08-2B	6/16/14	262.36	11.25	251.11	MW08-3	6/16/14	268.76	9.47	259.29
MW08-2B	9/17/14	262.36	15.36	247.00	MW08-3	9/17/14	268.76	12.80	255.96
MW08-2B	12/17/14	262.36	15.16	247.20	MW08-3	12/17/14	268.76	8.86	259.90
MW08-2B	3/23/15	262.36	7.91	254.45	MW08-3	3/23/15	268.76	6.19	262.57
MW08-2B	6/10/15	262.36	11.39	250.97	MW08-3	6/10/15	268.76	8.85	259.91
MW08-2B	9/16/15	262.36	15.80	246.56	MW08-3	9/16/15	268.76	12.89	255.87
MW08-2B	12/15/15	262.36	15.47	246.89	MW08-3	12/15/15	268.76	11.14	257.62
MW08-2B	3/29/16	262.36	5.31	257.05	MW08-3	3/29/16	268.76	3.73	265.03
MW08-2B	6/20/16	262.36	10.59	251.77	MW08-3	6/20/16	268.76	8.24	260.52
MW08-2B	9/7/16	262.36	14.53	247.83	MW08-3	9/7/16	268.76	11.63	257.13
MW08-2B	12/7/16	262.36	13.30	249.06	MW08-3	12/7/16	268.76	8.23	260.53
MW08-2B	3/8/17	262.36	not measured	not measured	MW08-3	3/8/17	268.76	3.25	265.51
MW08-2B	6/13/17	262.36	7.74	254.62	MW08-3	6/13/17	268.76	6.76	262.00
MW08-2B	9/12/17	262.36	11.47	250.89	MW08-3	9/12/17	268.76	9.83	258.93
MW08-2B	12/4/17	262.36	9.08	253.28	MW08-3	12/4/17	268.76	7.31	261.45
MW08-2B	3/9/18	262.36	5.95	256.41	MW08-3	3/8/18	268.76	4.06	264.70

DELLAVALLE™
LABORATORY INC

Historical Groundwater Monitoring Data
City of Ione WWTF
R5-2013-0022-REV1
Depth to Water Only

Sample ID	Date	Survey Mark Elevation	Depth to Water	Ground Water Elevation	Sample ID	Date	Survey Mark Elevation	Depth to Water	Ground Water Elevation
Method		Surveyed	Probe	Calculated	Method		Surveyed	Probe	Calculated
Units:		ft. msl	ft	ft. msl	Units:		ft. msl	ft	ft. msl
MW08-2B	6/15/18	262.36	8.63	253.73	MW08-3	6/15/18	268.76	7.30	261.46
MW08-2B	9/16/18	262.36	11.92	250.44	MW08-3	9/16/18	268.76	10.49	258.27
MW08-2B	12/16/18	262.36	10.11	252.25	MW08-3	12/16/18	268.76	8.63	260.13
MW08-2B	3/18/19	262.36	4.87	257.49	MW08-3	3/18/19	268.76	3.32	265.44
MW08-2B	5/10/19	262.36	6.90	255.46	MW08-3	5/10/19	268.76	5.40	263.36
MW08-2B	9/16/19	262.36	11.83	250.53	MW08-3	9/16/19	268.76	10.55	258.21
MW08-2B	12/16/19	262.36	9.26	253.10	MW08-3	12/16/19	268.76	6.85	261.91
MW08-2B	3/16/20	262.36	7.20	255.16	MW08-3	3/16/20	268.76	4.61	264.15
MW08-2B	6/14/20	262.36	9.32	253.04	MW08-3	6/14/20	268.76	7.65	261.11
MW08-2B	9/13/20	262.36	13.56	248.80	MW08-3	9/13/20	268.76	10.48	258.28
MW08-2B	12/13/20	262.36	13.24	249.12	MW08-3	12/13/20	268.76	9.80	258.96
MW08-2B	3/16/21	262.36	7.63	254.73	MW08-3	3/16/21	268.76	4.72	264.04
MW08-2B	6/20/21	262.36	11.92	250.44	MW08-3	6/20/21	268.76	10.01	258.75
MW08-2B	9/19/21	262.36	15.20	247.16	MW08-3	9/19/21	268.76	12.59	256.17
MW08-2B	12/12/21	262.36	13.37	248.99	MW08-3	12/12/21	268.76	6.63	262.13
MW08-2B	3/14/22	262.36	7.30	255.06	MW08-3	3/14/22	268.76	5.22	263.54
MW08-2B	6/12/22	262.36	10.88	251.48	MW08-3	6/12/22	268.76	8.35	260.41
MW08-2B	9/24/22	262.36	15.12	247.24	MW08-3	9/24/22	268.76	12.51	256.25
MW08-2B	11/28/22	262.36	14.75	247.61	MW08-3	11/28/22	268.76	11.35	257.41
MW08-2B	3/2/23	262.36	4.26	258.10	MW08-3	3/2/23	268.76	3.42	265.34
MW08-2B	6/26/23	262.36	8.67	253.69	MW08-3	5/17/23	268.76	5.77	262.99

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LABORATORY INC

Historical Groundwater Monitoring Data
City of Ione WWTF
R5-2013-0022-REV1
Depth to Water Only

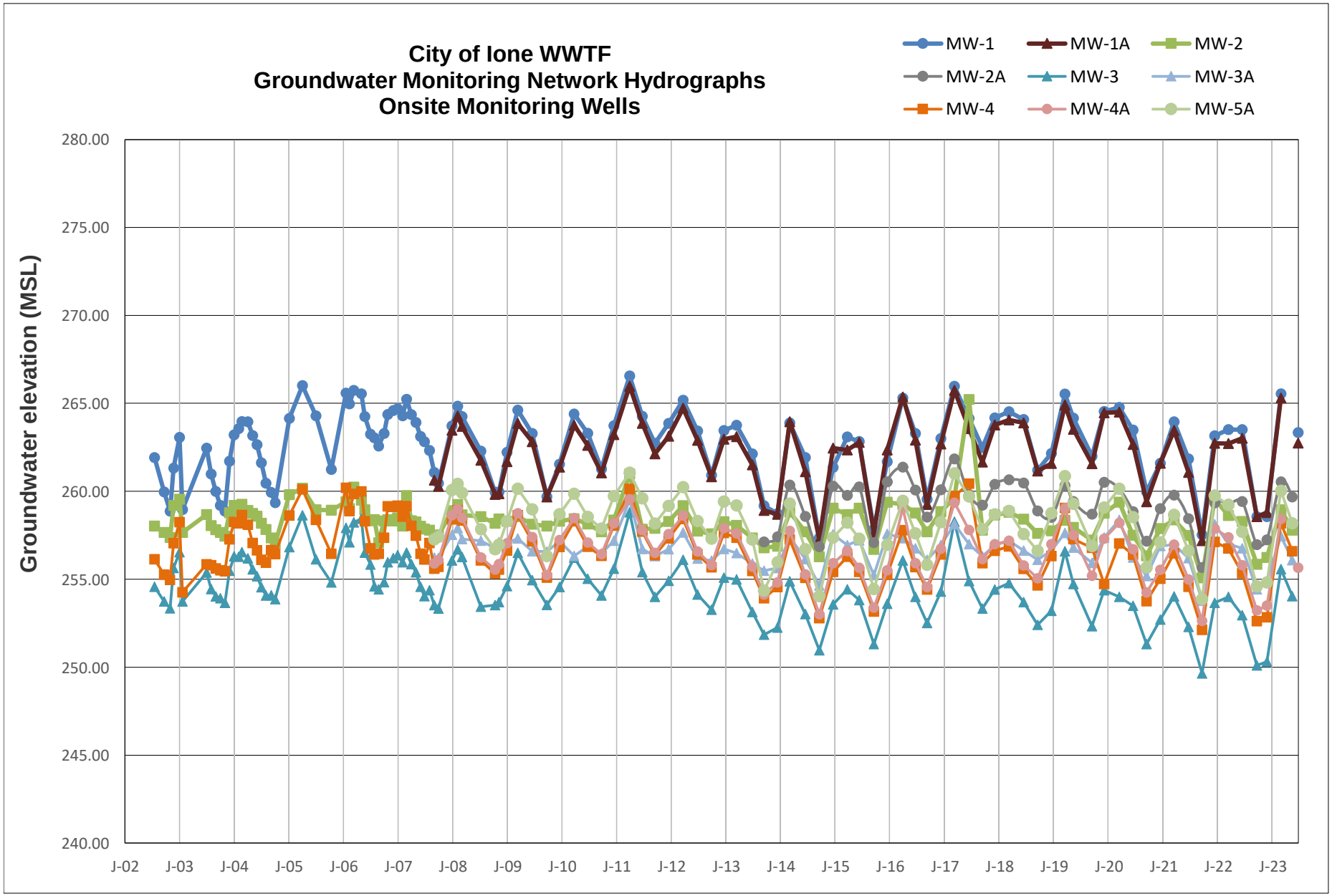
Sample ID	Date	Survey Mark Elevation	Depth to Water	Ground Water Elevation	Sample ID	Date	Survey Mark Elevation	Depth to Water	Ground Water Elevation
Method		Surveyed	Probe	Calculated	Method		Surveyed	Probe	Calculated
Units:		ft. msl	ft	ft. msl	Units:		ft. msl	ft	ft. msl
MW08-4A	**Latitude**	**38.348980**	**Longitude**	**-120.949730**	**MW08-4B**	**Latitude**	**38.348954**	**Longitude**	**-120.949756**
MW08-4A	9/22/09	280.06	20.00	260.06	MW08-4B	9/22/09	279.56	18.94	260.62
MW08-4A	12/15/09	280.06	17.55	262.51	MW08-4B	12/15/09	279.56	17.09	262.47
MW08-4A	3/22/10	280.06	13.75	266.31	MW08-4B	3/22/10	279.56	13.27	266.29
MW08-4A	6/22/10	280.06	14.82	265.24	MW08-4B	6/22/10	279.56	14.34	265.22
MW08-4A	9/22/10	280.06	17.89	262.17	MW08-4B	9/22/10	279.56	17.40	262.16
MW08-4A	12/13/10	280.06	14.74	265.32	MW08-4B	12/13/10	279.56	14.26	265.30
MW08-4A	3/28/11	280.06	10.49	269.57	MW08-4B	3/28/11	279.56	10.01	269.55
MW08-4A	9/13/11	280.06	15.57	264.49	MW08-4B	9/13/11	279.56	15.09	264.47
MW08-4A	3/20/12	280.06	13.00	267.06	MW08-4B	3/20/12	279.56	12.50	267.06
MW08-4A	9/24/12	280.06	18.42	261.64	MW08-4B	9/24/12	279.56	17.93	261.63
MW08-4A	3/11/13	280.06	14.59	265.47	MW08-4B	3/11/13	279.56	14.11	265.45
MW08-4A	6/24/13	280.06	16.29	263.77	MW08-4B	6/24/13	279.56	15.81	263.75
MW08-4A	9/11/13	280.06	20.05	260.01	MW08-4B	9/11/13	279.56	18.98	260.58
MW08-4A	3/4/14	280.06	14.92	265.14	MW08-4B	3/4/14	279.56	14.45	265.11
MW08-4A	6/16/14	280.06	16.28	263.78	MW08-4B	6/16/14	279.56	15.80	263.76
MW08-4A	9/17/14	280.06	22.16	257.90	MW08-4B	9/17/14	279.56	18.97	260.59
MW08-4A	12/17/14	280.06	18.01	262.05	MW08-4B	12/17/14	279.56	17.58	261.98
MW08-4A	3/23/15	280.06	15.04	265.02	MW08-4B	3/23/15	279.56	14.57	264.99
MW08-4A	6/10/15	280.06	15.46	264.60	MW08-4B	6/10/15	279.56	14.98	264.58
MW08-4A	9/16/15	280.06	21.60	258.46	MW08-4B	9/16/15	279.56	18.93	260.63
MW08-4A	12/15/15	280.06	17.36	262.70	MW08-4B	12/15/15	279.56	16.91	262.65
MW08-4A	3/29/16	280.06	12.86	267.20	MW08-4B	3/29/16	279.56	12.41	267.15
MW08-4A	6/20/16	280.06	14.88	265.18	MW08-4B	6/20/16	279.56	14.41	265.15
MW08-4A	9/7/16	280.06	19.68	260.38	MW08-4B	9/7/16	279.56	18.92	260.64
MW08-4A	12/7/16	280.06	15.53	264.53	MW08-4B	12/7/16	279.56	15.06	264.50
MW08-4A	3/8/17	280.06	11.68	268.38	MW08-4B	3/8/17	279.56	11.19	268.37
MW08-4A	6/13/17	280.06	13.87	266.19	MW08-4B	6/13/17	279.56	13.38	266.18
MW08-4A	9/12/17	280.06	15.75	264.31	MW08-4B	9/12/17	279.56	15.23	264.33
MW08-4A	12/4/17	280.06	14.02	266.04	MW08-4B	12/4/17	279.56	13.53	266.03
MW08-4A	3/8/18	280.06	13.57	266.49	MW08-4B	3/8/18	279.56	13.09	266.47

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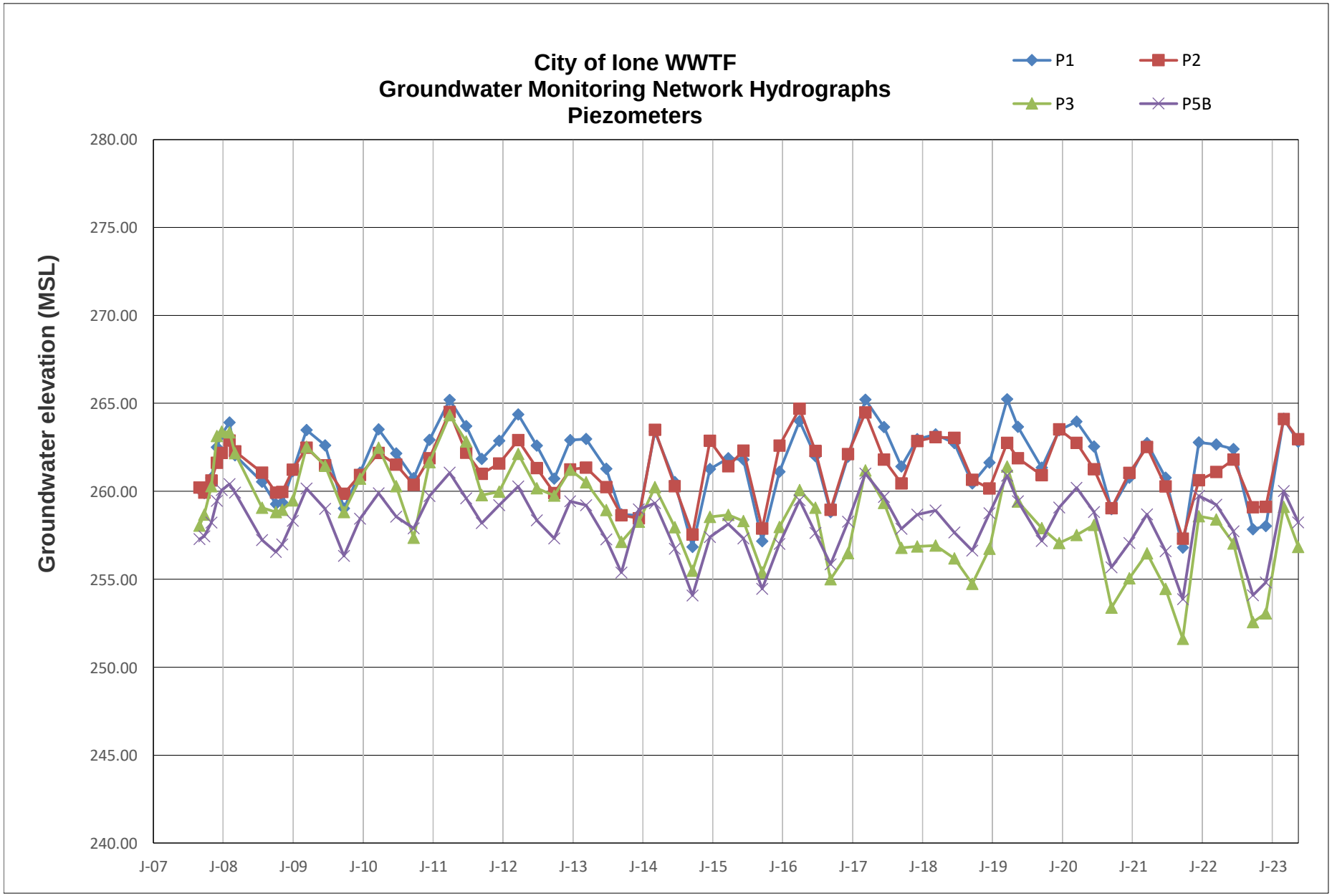
Historical Groundwater Monitoring Data
City of Ione WWTF
R5-2013-0022-REV1
Depth to Water Only

Sample ID	Date	Survey Mark Elevation	Depth to Water	Ground Water Elevation	Sample ID	Date	Survey Mark Elevation	Depth to Water	Ground Water Elevation
Method		Surveyed	Probe	Calculated	Method		Surveyed	Probe	Calculated
Units:		ft. msl	ft	ft. msl	Units:		ft. msl	ft	ft. msl
MW08-4A	6/15/18	280.06	14.08	265.98	MW08-4B	6/15/18	279.56	14.08	265.48
MW08-4A	9/16/18	280.06	16.60	263.46	MW08-4B	9/16/18	279.56	17.42	262.14
MW08-4A	12/16/18	280.06	16.60	263.46	MW08-4B	12/16/18	279.56	16.12	263.44
MW08-4A	3/18/19	280.06	11.93	268.13	MW08-4B	3/18/19	279.56	11.46	268.10
MW08-4A	5/10/19	280.06	14.70	265.36	MW08-4B	5/10/19	279.56	13.23	266.33
MW08-4A	9/15/19	280.06	16.28	263.78	MW08-4B	9/15/19	279.56	15.80	263.76
MW08-4A	12/15/19	280.06	13.68	266.38	MW08-4B	12/15/19	279.56	13.20	266.36
MW08-4A	3/15/19	280.06	14.15	265.91	MW08-4B	3/15/19	279.56	13.65	265.91
MW08-4A	6/14/20	280.06	14.34	265.72	MW08-4B	6/14/20	279.56	13.89	265.67
MW08-4A	9/13/20	280.06	18.95	261.11	MW08-4B	9/13/20	279.56	18.45	261.11
MW08-4A	12/13/20	280.06	17.37	262.69	MW08-4B	12/13/20	279.56	16.89	262.67
MW08-4A	3/16/21	280.06	14.33	265.73	MW08-4B	3/16/21	279.56	13.84	265.72
MW08-4A	6/22/21	280.06	16.23	263.83	MW08-4B	6/22/21	279.56	15.78	263.78
MW08-4A	9/19/21	280.06	21.74	258.32	MW08-4B	9/19/21	279.56	18.96	260.60
MW08-4A	12/12/21	280.06	15.73	264.33	MW08-4B	12/12/21	279.56	15.28	264.28
MW08-4A	3/14/22	280.06	14.55	265.51	MW08-4B	3/14/22	279.56	14.09	265.47
MW08-4A	6/12/22	280.06	15.74	264.32	MW08-4B	6/12/22	279.56	15.15	264.41
MW08-4A	9/22/22	280.06	21.15	258.91	MW08-4B	9/22/22	279.56	19.53	260.03
MW08-4A	11/28/22	280.06	20.90	259.16	MW08-4B	11/28/22	279.56	19.00	260.56
MW08-4A	3/2/23	280.06	12.57	267.49	MW08-4B	3/2/23	279.56	12.09	267.47
MW08-4A	6/26/23	280.06	14.53	265.53	MW08-4B	6/26/23	279.56	14.06	265.50

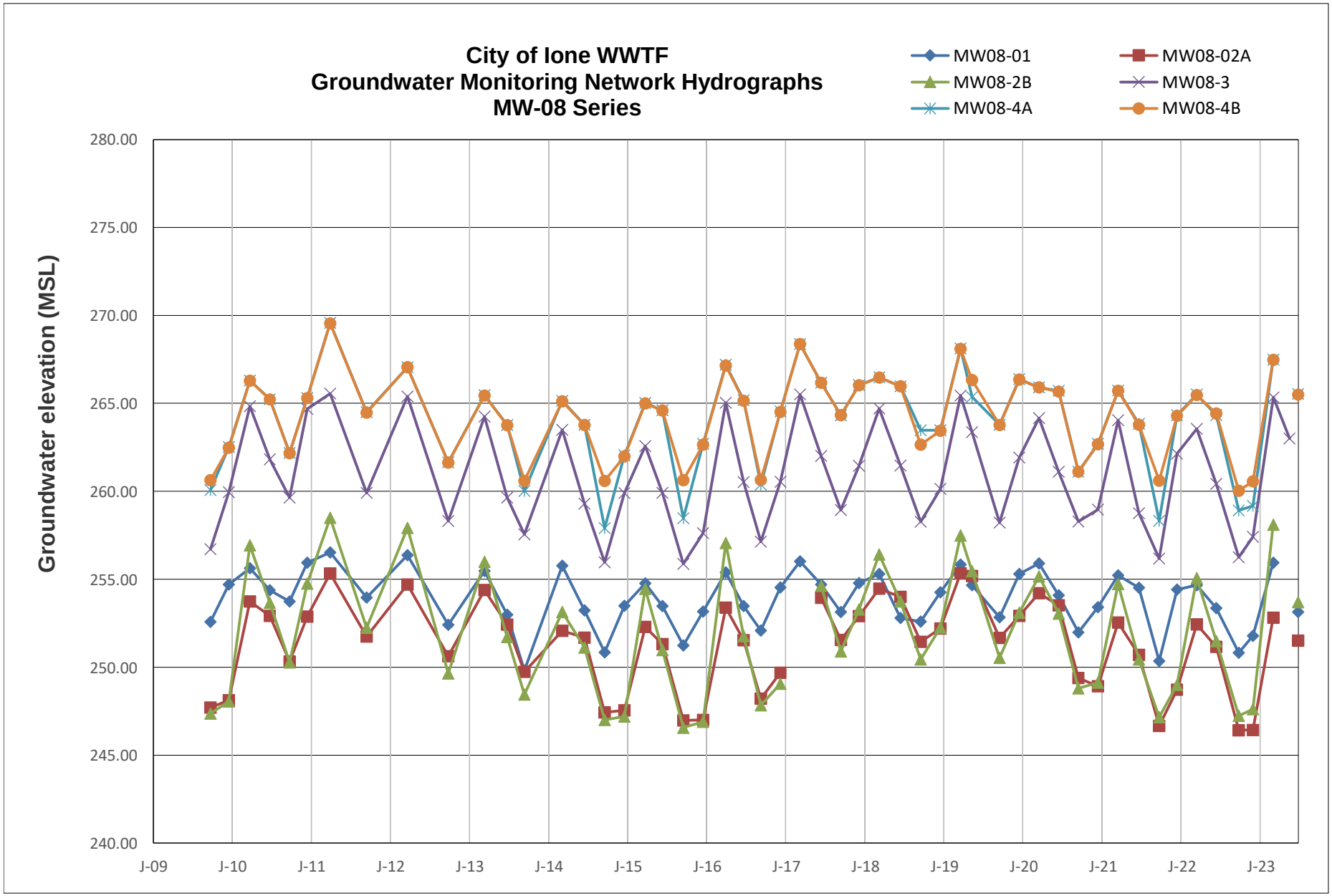
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Attachment 3
Field Records

DELLAVALLE™
LABORATORY INC

1910 W. McKinley Avenue, Suite 110 ● Fresno, California 93728-1298
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MONITORING WELL FIELD LOG

PROJECT SUMMARY – MW 1

SAMPLING DATE	PROJECT NAME	PROJECT ADDRESS	SITE CONTACT	PROJECT MANAGER
6/26/2023	City of Ione WWTF Monitoring Well Network	Ione, CA	Todd Waklee	Lisa Rubin

SITE OVERVIEW

LOCATION	MONUMENT WELL CASING	DIAMETER OF CASING/GALLONS PER FOOT DEPTH	DEPTH OF WELL (FT)	DEPTH OF PUMP (FT)	DEPTH TO WATER (FT)	STANDING WATER COLUMN (FT)
Lat: 38.349561 Long: -120.952534	Flush/PVC	2 inches / 0.1632	27.00	25	10.83	16.17

METHOD OVERVIEW

CALCULATED PURGE VOLUME (GALLON)	PURGE AND SAMPLING METHOD	SAMPLER	SAMPLE TIME	DEPTH TO WATER AT SAMPLING TIME (FT)	ANALYSIS PERFORMED	LAB ANALYSIS
2.64	Waterra Inertial Pump	Del-Tech Cassandra Harlan	11:04	10.93	See Chain of Custody	Dellavalle Laboratory, Inc.

FIELD SUMMARY

TIME	ACTUAL VOLUME PURGED (GAL)	PUMP RATE (GPM)	PH (UNITS)	EC (µS/CM)	TEMP (CELSIUS)	O.R.P (MVOLTS)	TURBIDITY (N.T.U)	DO (PPM)	COLOR	ODOR
10:53	0	1.0	6.98	336	17.1	235	481	4.9		
10:56	3	1.0	6.95	337	17.1	235	425	4.9		
10:59	3	1.0	6.98	337	17.0	235	161	5.3		
11:02	3	1.0	6.97	337	16.9	240	115	5.1	tan	none
sampled										

MONITORING WELL FIELD LOG

PROJECT SUMMARY – MW 1A

SAMPLING DATE	PROJECT NAME	PROJECT ADDRESS	SITE CONTACT	PROJECT MANAGER
6/26/2023	City of Ione WWTF Monitoring Well Network	Ione, CA	Todd Waklee	Lisa Rubin

SITE OVERVIEW

LOCATION	MONUMENT WELL CASING	DIAMETER OF CASING/GALLONS PER FOOT DEPTH	DEPTH OF WELL (FT)	DEPTH OF PUMP (FT)	DEPTH TO WATER (FT)	STANDING WATER COLUMN (FT)
Lat: 38.350034 Long: -120.954696	Post/PVC	2 inches / 0.1632	42.60	41	11.36	31.24

METHOD OVERVIEW

CALCULATED PURGE VOLUME (GALLON)	PURGE AND SAMPLING METHOD	SAMPLER	SAMPLE TIME	DEPTH TO WATER AT SAMPLING TIME (FT)	ANALYSIS PERFORMED	LAB ANALYSIS
5.10	Waterra Inertial Pump	Del-Tech Cassandra Harlan	10:43	11.36	See Chain of Custody	Dellavalle Laboratory, Inc.

FIELD SUMMARY

TIME	ACTUAL VOLUME PURGED (GAL)	PUMP RATE (GPM)	PH (UNITS)	EC (µS/CM)	TEMP (CELSIUS)	O.R.P (MVOLTS)	TURBIDITY (N.T.U)	DO (PPM)	COLOR	ODOR
10:27	0	1.0	6.98	392	17.4	194	308	1.4		
10:32	5	1.0	6.95	392	16.8	207	630	2.0		
10:37	5	1.0	6.97	394	16.8	213	551	1.9		
10:42	5	1.0	6.95	395	16.8	216	511	2.2	light brown	none
sampled										

MONITORING WELL FIELD LOG

PROJECT SUMMARY – MW 2

SAMPLING DATE	PROJECT NAME	PROJECT ADDRESS	SITE CONTACT	PROJECT MANAGER
5/17/2023	City of Ione WWTF Monitoring Well Network	Ione, CA	Todd Waklee	Lisa Rubin

SITE OVERVIEW

LOCATION	MONUMENT WELL CASING	DIAMETER OF CASING/GALLONS PER FOOT DEPTH	DEPTH OF WELL (FT)	DEPTH OF PUMP (FT)	DEPTH TO WATER (FT)	STANDING WATER COLUMN (FT)
Lat: 38.352602 Long: -120.957060	Flush/PVC	2 inches / 0.1632	26.19	24	14.58	11.61

METHOD OVERVIEW

CALCULATED PURGE VOLUME (GALLON)	PURGE AND SAMPLING METHOD	SAMPLER	SAMPLE TIME	DEPTH TO WATER AT SAMPLING TIME (FT)	ANALYSIS PERFORMED	LAB ANALYSIS
1.89	Waterra Inertial Pump	Del-Tech Ashley Putnam	12:39	14.00	See Chain of Custody	Dellavalle Laboratory, Inc.

FIELD SUMMARY

TIME	ACTUAL VOLUME PURGED (GAL)	PUMP RATE (GPM)	PH (UNITS)	EC (µS/CM)	TEMP (CELSIUS)	O.R.P (MVOLTS)	TURBIDITY (N.T.U)	DO (PPM)	COLOR	ODOR
12:21	0	0.5	8.15	401	20.8	-25	40	1.5		
12:25	2	0.5	7.56	401	19.9	-49	79	1.1		
12:29	2	0.5	7.35	399	19.9	-57	82	1.4		
12:33	2	0.5	7.24	399	20.0	-67	81	1.3	light brown	musty
sampled										

MONITORING WELL FIELD LOG

PROJECT SUMMARY – MW 2A

SAMPLING DATE	PROJECT NAME	PROJECT ADDRESS	SITE CONTACT	PROJECT MANAGER
5/17/2023	City of Ione WWTF Monitoring Well Network	Ione, CA	Todd Waklee	Lisa Rubin

SITE OVERVIEW

LOCATION	MONUMENT WELL CASING	DIAMETER OF CASING/GALLONS PER FOOT DEPTH	DEPTH OF WELL (FT)	DEPTH OF PUMP (FT)	DEPTH TO WATER (FT)	STANDING WATER COLUMN (FT)
Lat: 38.352136 Long: -120.957236	Flush/PVC	2 inches / 0.1632	27.81	26	16.58	11.23

METHOD OVERVIEW

CALCULATED PURGE VOLUME (GALLON)	PURGE AND SAMPLING METHOD	SAMPLER	SAMPLE TIME	DEPTH TO WATER AT SAMPLING TIME (FT)	ANALYSIS PERFORMED	LAB ANALYSIS
1.83	Waterra Inertial Pump	Del-Tech Cassandra Harlan	11:03	16.58	See Chain of Custody	Dellavalle Laboratory, Inc.

FIELD SUMMARY

TIME	ACTUAL VOLUME PURGED (GAL)	PUMP RATE (GPM)	PH (UNITS)	EC (µS/CM)	TEMP (CELSIUS)	O.R.P (MVOLTS)	TURBIDITY (N.T.U)	DO (PPM)	COLOR	ODOR
10:50	0	0.5	7.35	418	17.0	-82	5	2.0		
10:54	2	0.5	7.11	421	16.4	-73	7	0.9		
10:58	2	0.5	7.08	421	16.4	-80	6	0.7		
11:02	2	0.5	7.09	423	16.3	-80	4	1.0	clear	musty
sampled										

MONITORING WELL FIELD LOG

PROJECT SUMMARY – MW 3

SAMPLING DATE	PROJECT NAME	PROJECT ADDRESS	SITE CONTACT	PROJECT MANAGER
5/17/2023	City of Ione WWTF Monitoring Well Network	Ione, CA	Todd Waklee	Lisa Rubin

SITE OVERVIEW

LOCATION	MONUMENT WELL CASING	DIAMETER OF CASING/GALLONS PER FOOT DEPTH	DEPTH OF WELL (FT)	DEPTH OF PUMP (FT)	DEPTH TO WATER (FT)	STANDING WATER COLUMN (FT)
Lat: 38.352333 Long: -120.958824	Post/PVC	2 inches / 0.1632	30.02	28	15.82	14.20

METHOD OVERVIEW

CALCULATED PURGE VOLUME (GALLON)	PURGE AND SAMPLING METHOD	SAMPLER	SAMPLE TIME	DEPTH TO WATER AT SAMPLING TIME (FT)	ANALYSIS PERFORMED	LAB ANALYSIS
2.32	Waterra Inertial Pump	Del-Tech Ashley Putnam	12:02	15.88	See Chain of Custody	Dellavalle Laboratory, Inc.

FIELD SUMMARY

TIME	ACTUAL VOLUME PURGED (GAL)	PUMP RATE (GPM)	PH (UNITS)	EC (µS/CM)	TEMP (CELSIUS)	O.R.P (MVOLTS)	TURBIDITY (N.T.U)	DO (PPM)	COLOR	ODOR
11:49	0	0.5	7.99	418	20.7	66	86	1.0		
11:53	2	0.5	7.54	481	19.3	50	89	1.2		
11:57	2	0.5	7.30	506	19.1	59	41	1.0		
12:01	2	0.5	7.18	519	19.0	63	46	1.0	light brown	none
sampled										

MONITORING WELL FIELD LOG

PROJECT SUMMARY – MW 3A

SAMPLING DATE	PROJECT NAME	PROJECT ADDRESS	SITE CONTACT	PROJECT MANAGER
5/17/2023	City of Ione WWTF Monitoring Well Network	Ione, CA	Todd Waklee	Lisa Rubin

SITE OVERVIEW

LOCATION	MONUMENT WELL CASING	DIAMETER OF CASING/GALLONS PER FOOT DEPTH	DEPTH OF WELL (FT)	DEPTH OF PUMP (FT)	DEPTH TO WATER (FT)	STANDING WATER COLUMN (FT)
Lat: 38.353515 Long: -120.958275	Post/PVC	2 inches / 0.1632	32.71	30	22.19	10.52

METHOD OVERVIEW

CALCULATED PURGE VOLUME (GALLON)	PURGE AND SAMPLING METHOD	SAMPLER	SAMPLE TIME	DEPTH TO WATER AT SAMPLING TIME (FT)	ANALYSIS PERFORMED	LAB ANALYSIS
1.72	Waterra Inertial Pump	Del-Tech Cassandra Harlan	11:29	22.20	See Chain of Custody	Dellavalle Laboratory, Inc.

FIELD SUMMARY

TIME	ACTUAL VOLUME PURGED (GAL)	PUMP RATE (GPM)	PH (UNITS)	EC (µS/CM)	TEMP (CELSIUS)	O.R.P (MVOLTS)	TURBIDITY (N.T.U)	DO (PPM)	COLOR	ODOR
11:16	0	0.5	7.02	455	18.9	-73	1000+	0.7		
11:20	2	0.5	7.01	454	19.0	-63	650	0.7		
11:24	2	0.5	6.99	455	19.1	-58	533	0.8		
11:28	2	0.5	6.98	455	19.2	-57	409	0.8	light brown	none
sampled										

MONITORING WELL FIELD LOG

PROJECT SUMMARY – MW 4

SAMPLING DATE	PROJECT NAME	PROJECT ADDRESS	SITE CONTACT	PROJECT MANAGER
5/17/2023	City of Ione WWTF Monitoring Well Network	Ione, CA	Todd Waklee	Lisa Rubin

SITE OVERVIEW

LOCATION	MONUMENT WELL CASING	DIAMETER OF CASING/GALLONS PER FOOT DEPTH	DEPTH OF WELL (FT)	DEPTH OF PUMP (FT)	DEPTH TO WATER (FT)	STANDING WATER COLUMN (FT)
Lat: 38.349817 Long: -120.959734	Post/PVC	2 inches / 0.1632	30.13	28	12.18	17.95

METHOD OVERVIEW

CALCULATED PURGE VOLUME (GALLON)	PURGE AND SAMPLING METHOD	SAMPLER	SAMPLE TIME	DEPTH TO WATER AT SAMPLING TIME (FT)	ANALYSIS PERFORMED	LAB ANALYSIS
2.93	Waterra Inertial Pump	Del-Tech Cassandra Harlan	12:49	12.75	See Chain of Custody	Dellavalle Laboratory, Inc.

FIELD SUMMARY

TIME	ACTUAL VOLUME PURGED (GAL)	PUMP RATE (GPM)	PH (UNITS)	EC (µS/CM)	TEMP (CELSIUS)	O.R.P (MVOLTS)	TURBIDITY (N.T.U)	DO (PPM)	COLOR	ODOR
12:30	0	0.5	7.35	448	20.4	78	120	0.7		
12:36	3	0.5	6.98	446	20.8	77	43	0.9		
12:42	3	0.5	7.03	447	19.1	85	33	1.4		
12:48	3	0.5	6.96	448	18.4	89	28	1.2	light brown	none
sampled										

MONITORING WELL FIELD LOG

PROJECT SUMMARY – MW 4A

SAMPLING DATE	PROJECT NAME	PROJECT ADDRESS	SITE CONTACT	PROJECT MANAGER
6/26/2023	City of Ione WWTF Monitoring Well Network	Ione, CA	Todd Waklee	Lisa Rubin

SITE OVERVIEW

LOCATION	MONUMENT WELL CASING	DIAMETER OF CASING/GALLONS PER FOOT DEPTH	DEPTH OF WELL (FT)	DEPTH OF PUMP (FT)	DEPTH TO WATER (FT)	STANDING WATER COLUMN (FT)
Lat: 38.348670 Long: -120.959979	Post/PVC	2 inches / 0.1632	28.00	26	10.07	17.93

METHOD OVERVIEW

CALCULATED PURGE VOLUME (GALLON)	PURGE AND SAMPLING METHOD	SAMPLER	SAMPLE TIME	DEPTH TO WATER AT SAMPLING TIME (FT)	ANALYSIS PERFORMED	LAB ANALYSIS
2.93	Waterra Inertial Pump	Del-Tech Cassandra Harlan	12:36	10.19	See Chain of Custody	Dellavalle Laboratory, Inc.

FIELD SUMMARY

TIME	ACTUAL VOLUME PURGED (GAL)	PUMP RATE (GPM)	PH (UNITS)	EC (µS/CM)	TEMP (CELSIUS)	O.R.P (MVOLTS)	TURBIDITY (N.T.U)	DO (PPM)	COLOR	ODOR
12:17	0	0.5	7.14	461	17.7	136	58	1.6		
12:23	3	0.5	7.02	432	17.6	108	28	1.5		
12:29	3	0.5	6.98	430	17.3	132	24	1.4		
12:35	3	0.5	6.98	427	17.8	141	23	1.6	clear	none
sampled										

MONITORING WELL FIELD LOG

PROJECT SUMMARY – MW 5A

SAMPLING DATE	PROJECT NAME	PROJECT ADDRESS	SITE CONTACT	PROJECT MANAGER
5/17/2023	City of Ione WWTF Monitoring Well Network	Ione, CA	Todd Waklee	Lisa Rubin

SITE OVERVIEW

LOCATION	MONUMENT WELL CASING	DIAMETER OF CASING/GALLONS PER FOOT DEPTH	DEPTH OF WELL (FT)	DEPTH OF PUMP (FT)	DEPTH TO WATER (FT)	STANDING WATER COLUMN (FT)
Lat: 38.348315 Long: -120.958013	Post/PVC	4 inches / 0.6528	28.05	26	7.95	20.10

METHOD OVERVIEW

CALCULATED PURGE VOLUME (GALLON)	PURGE AND SAMPLING METHOD	SAMPLER	SAMPLE TIME	DEPTH TO WATER AT SAMPLING TIME (FT)	ANALYSIS PERFORMED	LAB ANALYSIS
13.12	Electronic Centrifugal Pump	Del-Tech Ashley Putnam	13:32	8.09	See Chain of Custody	Dellavalle Laboratory, Inc.

FIELD SUMMARY

TIME	ACTUAL VOLUME PURGED (GAL)	PUMP RATE (GPM)	PH (UNITS)	EC (µS/CM)	TEMP (CELSIUS)	O.R.P (MVOLTS)	TURBIDITY (N.T.U)	DO (PPM)	COLOR	ODOR
13:11	0	2.0	7.55	385	18.9	165	51	0.8		
13:18	14	2.0	7.16	387	17.6	158	11	1.3		
13:25	14	2.0	7.07	388	16.5	159	4	1.1		
13:32	14	2.0	7.00	387	16.9	155	3	1.2	clear	none
sampled										

NOTES

WELL INSPECTION REPORT(S)	WEATHER	QUALITY CONTROL AND CONTAINMENT
MWs 1, 1A, and 4A were measured and sampled on 6/26/2023.	5/17/2023 55-71 degrees Fahrenheit. Clear with winds 1-2 mph 6/26/2023 64-80 degrees Fahrenheit. Clear with winds 1-3 mph	All measurements are made from the north side and top edge of the well casing. Dedicated purge tubing in all except MW-5A. Water purged to the ground. Pump cleaned as necessary.

INSTRUMENTATION

TYPE OF INSTRUMENTATION	MANUFACTURER	SERIAL NO.
6P Multi Meter	Myron L Company	6263335/6223581
Turbidity Meter	Oakton	4060031101/98703
Dissolved Oxygen Meter	Milwaukee	11003280003/2290134991
D.T.W Meter	Heron Instruments, Inc.	I2FF2102146EC

CALIBRATIONS

TYPE OF INSTRUMENT	DATE	STANDARD MEASUREMENTS	PRE-CALIBRATED READING	CALIBRATED READING
pH Meter	5/17/23	4 units	4.00	4.00
		7 units	6.99	7.00
		10 units	10.00	10.00
Electrical Conductivity	5/17/23	1413 µS/cm	1415	1413
Turbidity	5/17/23	20 NTU	20	20
Dissolved Oxygen	5/17/23	100 %	100	100
pH Meter	6/26/23	4 units	3.98	4.00
		7 units	7.13	7.00
		10 units	10.23	10.00
Electrical Conductivity	6/26/23	1413 µS/cm	1420	1413
Turbidity	6/26/23	20 NTU	20	20
Dissolved Oxygen	6/26/23	100 %	104	100

Note: Upon completing the initial readings of the instruments, the instruments are adjusted to the calibration standard solutions that are being used at the time and at the current ambient temperature.

Attachment 4
Historical Quarterly Groundwater Quality Data and Graphs

DELLAVALLE™
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Historical Quarterly Groundwater Quality Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Total Coliform Bacteria (TCO)	Fecal Coliform Bacteria (FCO)	Nitrate as N (NO_3-N)	Ammonia as N (NH_4-N)	Total Kjeldahl Nitrogen (TKN)	Total Nitrogen (TN)	EC	pH	Total Dissolved Solids (TDS)	Dissolved Iron	Dissolved Manganese	Total Iron	Total Manganese
Method/Analysis		SM 9221 B	SM 9221 E	EPA 300.0	SM 4500 - NH_3 H	SM 4500 - NH_3 C	calculation	SM 2510 B	SM 4500-H+	SM 2540 C	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7
Units:		MPN/100ml	MPN/100ml	mg/L	mg/L	mg/L	mg/L		std units	mg/L	mg/L	mg/L	mg/L	mg/L
MCL		**2.2**	**2.2**	**10**						**500**	**0.3**	**0.05**	**0.3**	**0.05**
MW1	7/16/02	23	ND	2.40		3.80	6.20			190			0.16	ND
MW1	6/30/03	ND	ND	0.55		ND	1.10			162			0.81	0.02
MW1	9/30/03	ND	ND	0.51		ND	1.00			143			1.12	0.04
MW1	12/31/03	ND	ND	0.74		ND	1.20			170			0.09	ND
MW1	3/31/04	23	ND	1.70		ND	2.20			217			ND	ND
MW1	6/30/04	ND	ND	1.20		ND	1.70			187			0.31	ND
MW1	10/1/04	ND	ND	0.82		3.40	4.20			273				0.87
MW1	1/4/05	ND	ND	1.50		ND	2.00			196			1.01	0.10
MW1	4/1/05	ND	ND	2.70		ND	3.20			210			0.24	ND
MW1	6/30/05	ND	ND	3.00		ND	3.50			191			0.08	ND
MW1	10/6/05	ND	ND	1.30		ND	1.80			175			0.13	ND
MW1	2/9/06	ND	ND	2.00		ND	2.50			158			0.06	ND
MW1	5/23/06	2	ND	3.80		ND	4.30			215			0.32	ND
MW1	8/24/06	ND	ND	2.20		ND	2.70			239			0.83	0.04
MW1	12/29/06	30	ND	0.99		ND	1.50			165			0.31	0.02
MW1	3/30/07	ND		0.81		ND	1.30			185			0.13	ND
MW1	6/25/07	2		0.84		ND	1.30			168			0.04	ND

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Historical Quarterly Groundwater Quality Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Total Coliform Bacteria (TCO)	Fecal Coliform Bacteria (FCO)	Nitrate as N (NO_3-N)	Ammonia as N (NH_4-N)	Total Kjeldahl Nitrogen (TKN)	Total Nitrogen (TN)	EC	pH	Total Dissolved Solids (TDS)	Dissolved Iron	Dissolved Manganese	Total Iron	Total Manganese
Method/Analysis		SM 9221 B	SM 9221 E	EPA 300.0	SM 4500 - NH_3 H	SM 4500 - NH_3 C	calculation	SM 2510 B	SM 4500-H+	SM 2540 C	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7
Units:		MPN/100ml	MPN/100ml	mg/L	mg/L	mg/L	mg/L		std units	mg/L	mg/L	mg/L	mg/L	mg/L
MCL		**2.2**	**2.2**	**10**						**500**	**0.3**	**0.05**	**0.3**	**0.05**
MW1	9/27/07	ND	ND	0.99		ND	1.50			156			0.17	0.01
MW1	12/27/07	ND	ND	0.84		ND	1.30			232			1.90	0.08
MW1	7/7/08	ND	ND	0.66		ND	1.20			170			0.62	0.02
MW1	10/10/08	ND	ND	0.93		ND	1.40			186			0.33	0.01
MW1	12/29/08	ND		0.93		ND	1.00			210			1.60	0.05
MW1	3/11/09	ND		0.86		0.07	0.90			200			0.42	0.01
MW1	6/16/09	ND	ND	0.98		ND	1.10			190			0.30	0.01
MW1	9/22/09	ND	ND	1.00		ND	1.10			160				
MW1	12/15/09	ND	ND	1.10		0.11	1.20			150	ND	ND		
MW1	3/22/10	2	ND	1.20		1.80	3.00			190	0.010	0.0280		
MW1	6/22/10	ND	ND	1.30		ND	1.30			200	ND	0.0230		
MW1	9/22/10	ND	ND	0.86		ND	0.90			210	ND	0.0010		
MW1	12/13/10	ND	ND	0.61		ND	0.60			160	ND	0.0010		
MW1	3/29/11	ND	ND	1.80		0.09	1.90			190	ND	0.0010		
MW1	6/22/11	ND	ND	2.90		ND	2.90			200	ND	0.0010		
MW1	9/13/11	ND		1.00		ND	1.00			160	0.012	0.0010		
MW1	12/14/11	ND	ND	0.54		ND	0.60			160	0.012	0.0010		

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Historical Quarterly Groundwater Quality Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Total Coliform Bacteria (TCO)	Fecal Coliform Bacteria (FCO)	Nitrate as N (NO_3-N)	Ammonia as N (NH_4-N)	Total Kjeldahl Nitrogen (TKN)	Total Nitrogen (TN)	EC	pH	Total Dissolved Solids (TDS)	Dissolved Iron	Dissolved Manganese	Total Iron	Total Manganese
Method/Analysis		SM 9221 B	SM 9221 E	EPA 300.0	SM 4500 - NH_3 H	SM 4500 - NH_3 C	calculation	SM 2510 B	SM 4500-H+	SM 2540 C	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7
Units:		MPN/100ml	MPN/100ml	mg/L	mg/L	mg/L	mg/L		std units	mg/L	mg/L	mg/L	mg/L	mg/L
MCL		**2.2**	**2.2**	**10**						**500**	**0.3**	**0.05**	**0.3**	**0.05**
MW1	3/21/12	ND		0.58		ND	0.60			160	ND	0.0010		
MW1	6/26/12	ND	ND	1.00		ND	1.00			160	0.009	0.0020		
MW1	9/27/12	ND		0.65		ND	0.70			180	ND	0.0021		
MW1	12/19/12	ND		0.58		ND	0.60			150	0.005	ND		
MW1	3/30/07	ND		1.50		ND	1.50			190	ND	ND		
MW1	6/27/13	ND		0.66		ND	0.70			170	ND	ND		
MW1	9/12/13	ND		0.69	0.02		0.70			180	0.140	0.0088		
MW1	12/11/13	ND		0.79	ND	ND	0.79			150	0.340	0.1400		
MW1	3/4/14	4		1.50	0.02		1.50			200	0.072	0.0190		
MW1	6/17/14	ND		0.91	ND		0.91			230	ND	ND		
MW1	9/18/14	ND		0.87	ND		0.87			180	0.047	ND		
MW1	12/18/14	130		1.90	ND	0.06	1.96			180	ND	ND		
MW1	3/24/15	ND		1.90	ND		1.90			220	ND	ND		
MW1	6/11/15	ND		1.20	ND		1.20			220	ND	ND		
MW1	9/17/15	ND		1.00	ND		1.00			220	ND	0.0140		
MW1	12/16/15	ND		2.20	ND	ND	2.20			250	0.140	0.0059		
MW1	3/29/16	ND		1.80	ND		1.80			230	ND	ND		
MW1	6/21/16	ND		2.00	ND		2.00			210	ND	ND		

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Historical Quarterly Groundwater Quality Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Total Coliform Bacteria (TCO)	Fecal Coliform Bacteria (FCO)	Nitrate as N (NO_3-N)	Ammonia as N (NH_4-N)	Total Kjeldahl Nitrogen (TKN)	Total Nitrogen (TN)	EC	pH	Total Dissolved Solids (TDS)	Dissolved Iron	Dissolved Manganese	Total Iron	Total Manganese
Method/Analysis		SM 9221 B	SM 9221 E	EPA 300.0	SM 4500 - NH_3 H	SM 4500 - NH_3 C	calculation	SM 2510 B	SM 4500-H+	SM 2540 C	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7
Units:		MPN/100ml	MPN/100ml	mg/L	mg/L	mg/L	mg/L		std units	mg/L	mg/L	mg/L	mg/L	mg/L
MCL		**2.2**	**2.2**	**10**						**500**	**0.3**	**0.05**	**0.3**	**0.05**
MW1	9/8/16	ND		0.80	ND		0.80			210	ND	ND		
MW1	12/8/16	ND		1.20	0.03	0.60	1.23			200	ND	0.0064		
MW1	3/9/17	ND		3.50	ND		3.50			250	0.110	0.0220		
MW1	6/14/17	ND		5.90	ND		5.90			250	ND	ND		
MW1	9/13/17	ND		1.20	ND		1.20			200	ND	ND		
MW1	12/5/17	70		0.64	0.11	-0.08	0.64			160	ND	ND		
MW1	3/9/18	15		0.56	0.04		0.56			200	ND	0.0004		
MW1	6/15/18	4		1.50	ND		1.50			220	ND	0.0004		
MW1	9/17/18	21		0.52	0.07		1.60			170	ND	0.0057		
MW1	12/17/18	130		0.53	0.13	0.23	0.76			160	ND	0.0028		
MW1	3/18/19	21		1.10	0.07		1.20			170	ND	0.0032		
MW1	5/13/19	49		2.00	ND		2.00			220	0.760	0.002		
MW1	9/16/19	920		0.52	ND		0.52			160	ND	0.0061		
MW1	12/16/19	220		0.30	ND	0.23	0.53			160	ND	0.0022		
MW1	3/16/20	920		0.38	ND		0.38			150	0.046	0.0012		
MW1	6/16/20	17		0.67	0.09		0.75			160	ND	0.0023		
MW1	9/14/20	40		0.45	ND		0.45			160	ND	0.0051		
MW1	12/15/20	24		0.79	0.12		1.10			180	ND	0.0019		

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LABORATORY INC

Historical Quarterly Groundwater Quality Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Total Coliform Bacteria (TCO)	Fecal Coliform Bacteria (FCO)	Nitrate as N (NO_3-N)	Ammonia as N (NH_4-N)	Total Kjeldahl Nitrogen (TKN)	Total Nitrogen (TN)	EC	pH	Total Dissolved Solids (TDS)	Dissolved Iron	Dissolved Manganese	Total Iron	Total Manganese
Method/Analysis		SM 9221 B	SM 9221 E	EPA 300.0	SM 4500 - NH_3 H	SM 4500 - NH_3 C	calculation	SM 2510 B	SM 4500-H+	SM 2540 C	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7
Units:		MPN/100ml	MPN/100ml	mg/L	mg/L	mg/L	mg/L		std units	mg/L	mg/L	mg/L	mg/L	mg/L
MCL		**2.2**	**2.2**	**10**						**500**	**0.3**	**0.05**	**0.3**	**0.05**
MW1	3/16/21	ND		0.70	ND		1.10			180	ND	0.0024		
MW1	6/22/21	ND		0.51	0.10		0.60			190	ND	0.0017		
MW1	9/21/21	540		0.44	0.14		0.60			200	ND	0.0032		
MW1	12/14/21	1600		0.94	0.21	0.25	1.20			170	ND	0.0015		
MW1	3/15/22	40		1.10	0.08		1.20			190	ND	0.0015		
MW1	6/15/22	2		0.54	0.09		0.63			180	ND	0.0007		
MW1	9/22/22	540		0.21	ND		0.22			180	ND	0.0018		
MW1	11/28/22	ND		0.80	ND	ND	ND	345	7.2	189	ND	ND		
MW1	3/2/23	ND		2.70	ND		2.70	354	6.8	255	ND	ND		
MW1	3/2/23	ND		2.70	ND		2.70	354	6.8	255	ND	ND		
MW1	6/26/23	<1.8		3.3	ND		3.30	354	6.9	240	ND	ND		

NM - Not Measured

ND - Not Detected

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Historical Quarterly Groundwater Quality Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Total Coliform Bacteria (TCO)	Fecal Coliform Bacteria (FCO)	Nitrate as N (NO_3-N)	Ammonia as N (NH_4-N)	Total Kjeldahl Nitrogen (TKN)	Total Nitrogen (TN)	EC	pH	Total Dissolved Solids (TDS)	Dissolved Iron	Dissolved Manganese	Total Iron	Total Manganese
Method/Analysis		SM 9221 B	SM 9221 E	EPA 300.0	SM 4500 - NH_3 H	SM 4500 - NH_3 C	calculation	SM 2510 B	SM 4500-H+	SM 2540 C	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7
Units:		MPN/100ml	MPN/100ml	mg/L	mg/L	mg/L	mg/L		std units	mg/L	mg/L	mg/L	mg/L	mg/L
MCL		**2.2**	**2.2**	**10**						**500**	**0.3**	**0.05**	**0.3**	**0.05**
MW1A	12/27/07	ND	ND	1.40		ND	1.90			301	ND	0.0140	1.10	0.070
MW1A	7/7/08	ND	ND	7.70		ND	8.20			283	ND	ND	0.38	0.015
MW1A	10/10/08	ND	ND	1.60		ND	2.10			297	ND	ND	6.31	0.310
MW1A	12/29/08	2		3.20		0.10	3.30			290	ND	0.0009	0.63	0.033
MW1A	3/11/09	ND		3.90		0.08	4.00			270	ND	ND	0.13	0.015
MW1A	6/16/09	ND	ND	3.00		ND	3.10			210	ND	ND	0.05	0.004
MW1A	9/22/09	ND	ND	3.50		6.30	9.80			290	ND	0.0160		
MW1A	12/15/09	2	ND	3.10		0.18	3.30			250	ND	ND		
MW1A	3/22/10	ND	ND	2.80		ND	2.90			250	ND	0.0093		
MW1A	6/22/10	ND	ND	3.80		ND	3.80			250	0.018	0.0350		
MW1A	9/22/10	ND	ND	3.50		ND	3.50			290	0.010	0.0270		
MW1A	12/13/10	ND	ND	2.30		ND	2.30			250	ND	0.0160		
MW1A	3/29/11	ND	ND	3.70		0.08	3.80			230	0.051	0.0610		
MW1A	6/22/11	ND	ND	1.60		ND	1.60			260	0.027	0.0450		
MW1A	9/13/11	ND		2.70		0.06	2.80			220	0.0230	0.0088		
MW1A	12/14/11	ND	ND	2.50		ND	2.50			220	0.015	0.0140		

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LABORATORY INC

Historical Quarterly Groundwater Quality Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Total Coliform Bacteria (TCO)	Fecal Coliform Bacteria (FCO)	Nitrate as N (NO_3-N)	Ammonia as N (NH_4-N)	Total Kjeldahl Nitrogen (TKN)	Total Nitrogen (TN)	EC	pH	Total Dissolved Solids (TDS)	Dissolved Iron	Dissolved Manganese	Total Iron	Total Manganese
Method/Analysis		SM 9221 B	SM 9221 E	EPA 300.0	SM 4500 - NH_3 H	SM 4500 - NH_3 C	calculation	SM 2510 B	SM 4500-H+	SM 2540 C	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7
Units:		MPN/100ml	MPN/100ml	mg/L	mg/L	mg/L	mg/L		std units	mg/L	mg/L	mg/L	mg/L	mg/L
MCL		**2.2**	**2.2**	**10**						**500**	**0.3**	**0.05**	**0.3**	**0.05**
MW1A	3/21/12	ND		1.60		ND	1.60			200	0.006	0.0110		
MW1A	6/26/12	ND	ND	1.20		ND	1.20			210	0.018	0.0160		
MW1A	9/27/12	2		0.99		ND	1.00			220	0.010	0.0240		
MW1A	12/19/12	ND		0.45		ND	0.50			230	0.006	0.0079		
MW1A	3/11/13	ND		1.10		ND	1.10			210	ND	0.0094		
MW1A	6/27/13	ND		1.50		0.10	1.60			180	ND	0.0040		
MW1A	9/12/13	ND		1.60	ND		1.60			200	0.097	0.0160		
MW1A	12/12/13	ND		1.40	ND	ND	1.40			210	ND	0.0061		
MW1A	3/4/14	4		2.70	0.02		2.70			210	ND	0.0076		
MW1A	6/17/14	ND		4.10	ND		4.10			270	0.039	ND		
MW1A	9/18/14	ND		2.50	ND		2.50			240	0.039	0.0071		
MW1A	12/18/14	4		3.70	ND	0.18	3.90			330	ND	ND		
MW1A	3/24/15	ND		4.80	ND		4.80			280	ND	ND		
MW1A	6/11/15	2		5.80	ND		5.80			310	ND	ND		
MW1A	9/17/15	ND		3.40	ND		3.40			290	ND	ND		

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LABORATORY INC

Historical Quarterly Groundwater Quality Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Total Coliform Bacteria (TCO)	Fecal Coliform Bacteria (FCO)	Nitrate as N (NO_3-N)	Ammonia as N (NH_4-N)	Total Kjeldahl Nitrogen (TKN)	Total Nitrogen (TN)	EC	pH	Total Dissolved Solids (TDS)	Dissolved Iron	Dissolved Manganese	Total Iron	Total Manganese
Method/Analysis		SM 9221 B	SM 9221 E	EPA 300.0	SM 4500 - NH_3 H	SM 4500 - NH_3 C	calculation	SM 2510 B	SM 4500-H+	SM 2540 C	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7
Units:		MPN/100ml	MPN/100ml	mg/L	mg/L	mg/L	mg/L		std units	mg/L	mg/L	mg/L	mg/L	mg/L
MCL		**2.2**	**2.2**	**10**						**500**	**0.3**	**0.05**	**0.3**	**0.05**
MW1A	12/16/15	17		2.00	ND	ND	2.00			310	0.042	ND		
MW1A	3/29/16	280		5.60	ND		5.60			270	ND	ND		
MW1A	6/21/16	ND		2.30	ND		2.30			270	ND	ND		
MW1A	9/8/16	ND		0.79	0.03		0.80			300	ND	ND		
MW1A	12/8/16	ND		0.33	0.03	ND	0.41			330	ND	ND		
MW1A	3/9/17	49		8.30	ND		8.30			300	ND	ND		
MW1A	6/14/17	ND		6.00	0.04		6.00			280	ND	0.0049		
MW1A	9/13/17	ND		8.80	0.03		8.80			270	ND	ND		
MW1A	12/5/17	110		15.00	0.04	0.14	15.00			310	ND	ND		
MW1A	3/9/18	10		12.00	0.14		12.00			310	ND	0.0004		
MW1A	6/15/18	130		1.20	ND		1.20			290	ND	0.0007		
MW1A	9/17/18	2		0.06	0.07		0.10			300	ND	0.0069		
MW1A	12/17/18	1600		2.40	0.07	0.21	2.60			270	ND	0.0036		
MW1A	3/18/19	130		3.00	0.11		3.10			220	ND	0.0034		
MW1A	5/13/19	2		2.80	0.11		2.90			230	0.032	0.0043		

DELLAVALLE™
LABORATORY INC

Historical Quarterly Groundwater Quality Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Total Coliform Bacteria (TCO)	Fecal Coliform Bacteria (FCO)	Nitrate as N (NO_3-N)	Ammonia as N (NH_4-N)	Total Kjeldahl Nitrogen (TKN)	Total Nitrogen (TN)	EC	pH	Total Dissolved Solids (TDS)	Dissolved Iron	Dissolved Manganese	Total Iron	Total Manganese
Method/Analysis		SM 9221 B	SM 9221 E	EPA 300.0	SM 4500 - NH_3 H	SM 4500 - NH_3 C	calculation	SM 2510 B	SM 4500-H+	SM 2540 C	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7
Units:		MPN/100ml	MPN/100ml	mg/L	mg/L	mg/L	mg/L		std units	mg/L	mg/L	mg/L	mg/L	mg/L
MCL		**2.2**	**2.2**	**10**						**500**	**0.3**	**0.05**	**0.3**	**0.05**
MW1A	9/16/19	920		7.20	ND		7.20			290	ND	0.0044		
MW1A	12/16/19	920		6.00	ND	0.32	6.40			270	ND	0.0034		
MW1A	3/16/20	110		7.60	ND		7.60			290	0.032	0.0056		
MW1A	6/16/20	9		3.90	0.09		4.00			250	0.035	0.0120		
MW1A	9/14/20	540		5.90	ND		5.90			250	ND	0.0037		
MW1A	12/15/20	170		3.50	0.12		3.60			280	ND	0.0078		
MW1A	3/17/21	2		3.50	ND		3.60			330	ND	0.0055		
MW1A	6/22/21	5		4.00	0.10		4.10			310	ND	0.0012		
MW1A	9/21/21	240		2.80	0.16		3.00			320	ND	0.0021		
MW1A	12/14/21	540		1.90	ND	0.20	2.10			200	ND	0.0071		
MW1A	3/15/22	49		1.40	ND		1.40			200	ND	0.0052		
MW1A	6/15/22	49		1.80	0.08		1.90			220	ND	0.0290		
MW1A	9/22/22	20		2.70	ND		2.80			220	ND	0.0340		
MW1A	11/28/22	ND		1.60	ND	ND	1.56	396	7.3	414	ND	ND		
MW1A	3/2/23	6.9		13.3	ND		13.30	547	6.8	400	ND	ND		
MW1A	6/26/23	2		1.9	ND		1.90	423	6.9	345	ND	ND		

NM - Not Measured

ND - Not Detected

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Sample ID	Date	Total Coliform Bacteria (TCO)	Fecal Coliform Bacteria (FCO)	Nitrate as N (NO_3-N)	Ammonia as N (NH_4-N)	Total Kjeldahl Nitrogen (TKN)	Total Nitrogen (TN)	EC	pH	Total Dissolved Solids (TDS)	Dissolved Iron	Dissolved Manganese	Dissolved Arsenic	Total Iron	Total Manganese
Method/Analysis		SM 9221 B	SM 9221 E	EPA 300.0	SM 4500 - NH_3 H	SM 4500 - NH_3 C	calculation	SM 2510 B	SM 4500-H+	SM 2540 C	EPA 200.7	EPA 200.7	EPA 200.8	EPA 200.7	EPA 200.7
Units:		MPN/100ml	MPN/100ml	mg/L	mg/L	mg/L	mg/L		std units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MCL		**2.2**	**2.2**	**10**						**500**	**0.3**	**0.05**	**0.010**	**0.3**	**0.05**
MW2	7/16/02	4	ND	ND		1.30	1.60			280				0.20	4.00
MW2	6/30/03	ND	ND	ND		2.00	2.00			199				4.63	3.66
MW2	9/30/03	ND	ND	ND		1.40	1.40			268				3.99	3.71
MW2	12/31/03	13	ND	ND		1.80	1.80			262				3.32	4.22
MW2	3/31/04	ND	ND	ND		2.00	2.00			304				3.06	4.74
MW2	6/30/04	50	ND	ND		2.00	2.00			297				3.62	4.57
MW2	10/1/04	50	ND	ND		2.00	2.00			297				3.62	5.20
MW2	1/4/05	50	4	ND		2.00	2.00			293				3.27	4.16
MW2	4/1/05	220	57	ND		1.90	1.90			249				2.70	3.66
MW2	6/30/05	ND	ND	ND		1.80	1.80			240				2.52	2.90
MW2	10/6/05	ND	ND	ND		1.80	1.80			247				2.37	2.82
MW2	2/9/06	ND	ND	ND		1.90	1.90			228				1.91	2.26
MW2	5/23/06	17	ND	ND		1.80	1.80			206				2.02	2.53
MW2	8/24/06	ND	ND	ND		1.70	1.70			223				1.90	2.40
MW2	12/29/06	ND	ND	ND		2.60	2.60			219				2.10	2.90
MW2	3/30/07	8		ND		2.00	2.00			196				1.80	2.60
MW2	6/25/07	ND		ND		1.70	1.70			218				1.63	2.25
MW2	9/27/07	ND	ND	ND		1.70	1.70			258	1.400	2.60		1.90	2.70

DELLAVALLE™
LABORATORY INC

Historical Quarterly Groundwater Quality Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Total Coliform Bacteria (TCO)	Fecal Coliform Bacteria (FCO)	Nitrate as N (NO_3-N)	Ammonia as N (NH_4-N)	Total Kjeldahl Nitrogen (TKN)	Total Nitrogen (TN)	EC	pH	Total Dissolved Solids (TDS)	Dissolved Iron	Dissolved Manganese	Dissolved Arsenic	Total Iron	Total Manganese
Method/Analysis		SM 9221 B	SM 9221 E	EPA 300.0	SM 4500 - NH_3 H	SM 4500 - NH_3 C	calculation	SM 2510 B	SM 4500-H+	SM 2540 C	EPA 200.7	EPA 200.7	EPA 200.8	EPA 200.7	EPA 200.7
Units:		MPN/100ml	MPN/100ml	mg/L	mg/L	mg/L	mg/L		std units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MCL		**2.2**	**2.2**	**10**						**500**	**0.3**	**0.05**	**0.010**	**0.3**	**0.05**
MW2	12/27/07	2	ND	ND		2.20	2.20			349	2.100	4.10		2.50	4.20
MW2	7/7/08	ND	ND	ND		2.40	2.40			289	2.200	3.30		2.80	3.00
MW2	10/10/08	13	ND	ND		2.70	2.70			279	1.970	4.05		2.14	3.93
MW2	12/29/08	13	4	0.05		2.60	2.60			270	2.600	4.20		3.10	4.90
MW2	3/11/09	ND		ND		2.50	2.60			260	0.320	3.90		2.60	5.00
MW2	6/16/09	ND	ND	0.06		3.20	3.30			260	0.025	3.10			5.10
MW2	9/22/09	ND	ND	ND		3.10	3.20			260	2.300	4.40			
MW2	12/15/09	240	11	ND		2.70	2.80			260	2.300	3.90			
MW2	3/22/10	50	4	ND		2.60	2.70			250	2.100	3.10			
MW2	6/22/10	ND	ND	ND		2.60	2.60			270	2.200	3.30			
MW2	9/22/10	ND	ND	0.04		3.10	3.10			320	2.200	4.50			
MW2	12/13/10	4	2	ND		3.20	3.20			260	2.300	4.10			
MW2	3/29/11	130		0.05		2.70	2.80			270	2.000	4.70			
MW2	6/22/11	ND		ND		2.80	2.80			270	2.200	4.30			
MW2	9/13/11	ND		ND		3.20	3.20			300	2.300	4.60			
MW2	12/14/11	ND	ND	ND		3.00	3.00			270	2.300	4.00			
MW2	3/21/12	240		0.07		3.00	3.10			270	2.000	4.50			
MW2	6/26/12	ND	ND	ND		3.20	3.20			280	2.100	3.30			
MW2	9/27/12	50		ND		2.70	2.70			260	2.500	3.10			
MW2	12/19/12	20		ND		2.90	2.90			270	2.400	5.20			
MW2	3/11/13	ND		ND		3.10	3.10			270	2.800	4.70			

DELLAVALLE™
LABORATORY INC

Historical Quarterly Groundwater Quality Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Total Coliform Bacteria (TCO)	Fecal Coliform Bacteria (FCO)	Nitrate as N (NO_3-N)	Ammonia as N (NH_4-N)	Total Kjeldahl Nitrogen (TKN)	Total Nitrogen (TN)	EC	pH	Total Dissolved Solids (TDS)	Dissolved Iron	Dissolved Manganese	Dissolved Arsenic	Total Iron	Total Manganese
Method/Analysis		SM 9221 B	SM 9221 E	EPA 300.0	SM 4500 - NH_3 H	SM 4500 - NH_3 C	calculation	SM 2510 B	SM 4500-H+	SM 2540 C	EPA 200.7	EPA 200.7	EPA 200.8	EPA 200.7	EPA 200.7
Units:		MPN/100ml	MPN/100ml	mg/L	mg/L	mg/L	mg/L		std units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MCL		**2.2**	**2.2**	**10**						**500**	**0.3**	**0.05**	**0.010**	**0.3**	**0.05**
MW2	6/27/13	ND		ND		3.10	3.10			300	3.200	4.70			
MW2	9/12/13	ND		ND	3.20		3.20			320	3.000	5.00			
MW2	12/11/13	2		ND	3.00	3.20	3.20			300	2.900	4.90	ND		
MW2	3/4/14	ND		ND	3.20		3.20			290	2.800	4.00			
MW2	6/17/14	ND		ND	2.60		2.60			290	2.600	4.90			
MW2	9/18/14	7		ND	2.80		2.80			280	2.800	4.30			
MW2	12/18/14	130		ND	2.90	2.80	2.80			300	2.500	3.10	ND		
MW2	3/24/15	ND		ND	2.20		2.20			280	2.400	4.50			
MW2	6/11/15	2		0.05	2.80		2.80			290	2.400	3.60			
MW2	9/17/15	ND		ND	2.50		2.50			280	2.400	3.40			
MW2	12/16/15	ND		ND	2.40	2.30	2.30			300	2.300	3.10	0.007		
MW2	3/29/16	ND		ND	2.80		2.80			280	2.100	3.40			
MW2	6/21/16	ND		ND	2.70	2.50	2.50			270	2.200	4.20			
MW2	9/8/16	ND		0.04	2.40		2.40			260	2.300	3.60			
MW2	12/8/16	ND		ND	2.50	2.60	2.60			310	2.800	3.50	ND		
MW2	3/9/17	2		ND	3.70		3.70			290	2.800	3.40			
MW2	6/14/17	ND		ND	3.20		3.20			250	2.500	2.80			
MW2	9/13/17	ND		ND	3.20		3.20			260	2.000	3.10			
MW2	12/5/17	ND		ND	2.90	3.00	3.00			270	1.900	2.70			
MW2	3/9/18	9		ND	2.90		2.90			280	ND	2.80			
MW2	6/15/18	920		ND	3.00		3.00			280	ND	3.30			
MW2	9/17/18	49		ND	3.60		3.60			290	0.046	3.70			
MW2	12/17/18	33		0.03	3.40	3.20	3.20			280	ND	3.20	0.002		

DELLAVALLE™
LABORATORY INC

Historical Quarterly Groundwater Quality Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Total Coliform Bacteria (TCO)	Fecal Coliform Bacteria (FCO)	Nitrate as N (NO_3-N)	Ammonia as N (NH_4-N)	Total Kjeldahl Nitrogen (TKN)	Total Nitrogen (TN)	EC	pH	Total Dissolved Solids (TDS)	Dissolved Iron	Dissolved Manganese	Dissolved Arsenic	Total Iron	Total Manganese
Method/Analysis		SM 9221 B	SM 9221 E	EPA 300.0	SM 4500 - NH_3 H	SM 4500 - NH_3 C	calculation	SM 2510 B	SM 4500-H+	SM 2540 C	EPA 200.7	EPA 200.7	EPA 200.8	EPA 200.7	EPA 200.7
Units:		MPN/100ml	MPN/100ml	mg/L	mg/L	mg/L	mg/L		std units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MCL		**2.2**	**2.2**	**10**						**500**	**0.3**	**0.05**	**0.010**	**0.3**	**0.05**
MW2	3/18/19	110		ND	3.20		3.20			290	0.200	4.60			
MW2	5/13/19	1600		ND	3.50		3.50			310	0.240	5.20			
MW2	9/16/19	920		ND	3.50		3.50			300	0.360	4.70	0.005		
MW2	12/16/19	920		ND	3.60		3.90			300	0.360	4.70	0.005		
MW2	3/16/20	920		0.05	3.30		3.30			310	0.160	7.30			
MW2	6/16/20	70		ND	3.10		3.10			290	0.490	4.30			
MW2	9/14/20	14		0.08	2.80		2.90			300	ND	3.80			
MW2	12/15/20	540		0.05	2.60		3.00			300	0.110	3.10	0.003		
MW2	3/16/21	5		0.14	2.80		3.00			300	0.081	3.30			
MW2	6/22/21	2		0.10	2.50		2.50			290	ND	2.90			
MW2	9/21/21	280		0.10	2.50		2.60			370	ND	6.50			
MW2	12/14/21	920		ND	0.76	0.94	1.00			210	ND	5.80	0.001		
MW2	3/15/22	920		0.03	0.96		1.00			210	0.24	5.90			
MW2	6/15/22	170		ND	2.20		2.20			290	ND	3.30			
MW2	9/22/22	1600		0.05	2.50		2.50			450	0.10	5.90			
MW2	11/28/22	23		ND	1.71	5.13	5.21	598	7.2	312	1.81	4.05	0.001		
MW2	3/2/23	>23		ND	2.16		2.16	494	7.0	290	ND	3.27			
MW2	5/17/23	<1.1		ND	1.97		1.97	489	6.9	243	0.30	3.08			

NM - Not Measured

ND - Not Detected

DELLAVALLE LABORATORY INC

Historical Quarterly Groundwater Quality Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Total Coliform Bacteria (TCO)	Nitrate as N (NO_3-N)	Ammonia as N (NH_4-N)	Total Kjeldahl Nitrogen (TKN)	Total Nitrogen (TN)	EC	pH	Total Dissolved Solids (TDS)	Dissolved Iron	Dissolved Manganese
Method/Analysis		SM 9221 B	EPA 300.0	SM 4500 - NH_3 H	SM 4500 - NH_3 C	calculation	SM 2510 B	SM 4500-H+	SM 2540 C	EPA 200.7	EPA 200.7
Units:		MPN/100ml	mg/L	mg/L	mg/L	mg/L		std units	mg/L	mg/L	mg/L
MCL		**2.2**	**10**						**500**	**0.3**	**0.05**
MW2A	9/12/13	2	ND	4.80		4.80			270	15.00	4.10
MW2A	12/12/13	50	ND	4.60	5.20	5.20			270	15.00	4.20
MW2A	3/4/14	ND	ND	4.50		4.50			260	15.00	4.10
MW2A	6/17/14	ND	ND	7.80		7.80			290	19.00	3.30
MW2A	9/18/14	ND	ND	7.50		7.50			210	11.00	2.40
MW2A	12/18/14	ND	ND	5.60	5.90	5.90			290	11.00	3.20
MW2A	3/24/15	ND	ND	4.70		4.70			270	12.00	3.00
MW2A	6/11/15	ND	ND	6.00		6.00			290	12.00	3.60
MW2A	9/17/15	ND	0.03	5.60		5.60			280	11.00	3.20
MW2A	12/16/15	2	0.02	5.20	5.70	5.70			300	12.00	3.20
MW2A	3/29/16	ND	ND	3.40		3.40			260	10.00	2.80
MW2A	6/21/16	ND	ND	5.00		5.00			300	17.00	3.40
MW2A	9/8/16	ND	ND	4.90		4.90			270	19.00	3.20
MW2A	12/8/16	ND	ND	4.20	4.40	4.40			330	16.00	4.00

DELLAVALLE™
LABORATORY INC

Historical Quarterly Groundwater Quality Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Total Coliform Bacteria (TCO)	Nitrate as N (NO_3-N)	Ammonia as N (NH_4-N)	Total Kjeldahl Nitrogen (TKN)	Total Nitrogen (TN)	EC	pH	Total Dissolved Solids (TDS)	Dissolved Iron	Dissolved Manganese
Method/Analysis		SM 9221 B	EPA 300.0	SM 4500 - NH_3 H	SM 4500 - NH_3 C	calculation	SM 2510 B	SM 4500-H+	SM 2540 C	EPA 200.7	EPA 200.7
Units:		MPN/100ml	mg/L	mg/L	mg/L	mg/L		std units	mg/L	mg/L	mg/L
MCL		**2.2**	**10**						**500**	**0.3**	**0.05**
MW2A	3/9/17	ND	ND	3.40		3.40			260	12.00	2.90
MW2A	6/14/17	ND	ND	3.30		3.30			220	11.00	2.90
MW2A	9/13/17	ND	ND	4.00		4.00			250	11.00	2.70
MW2A	12/5/17	ND	ND	3.50	3.70	3.70			260	11.00	2.90
MW2A	3/9/18	3	ND	3.50		3.50			290	1.30	2.40
MW2A	6/15/18	17	ND	3.70		3.70			300	1.50	3.50
MW2A	9/17/18	4.5	0.05	4.40		4.40			320	6.50	4.00
MW2A	12/17/18	22	0.07	3.80	3.70	3.80			300	1.50	3.50
MW2A	3/18/19	4	0.04	2.90		2.90			290	4.60	3.60
MW2A	5/13/19	350	ND	3.60		3.60			300	2.10	4.00
MW2A	9/16/19	> 1600	0.07	3.60		3.60			290	3.80	3.70
MW2A	12/16/19	240	ND	3.40	3.40	3.40			250	3.50	3.00
MW2A	3/16/20	540	ND	2.60		2.60			210	1.80	2.20
MW2A	6/16/20	ND	ND	2.90		2.90			220	2.80	2.10
MW2A	9/14/20	2	ND	3.10		3.10			240	0.50	2.10
MW2A	12/15/20	1.8	0.04	3.30		3.50			300	2.80	3.00
MW2A	3/17/21	13	0.05	2.60		2.70			240	1.20	2.00

DELLAVALLE LABORATORY INC

Historical Quarterly Groundwater Quality Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Total Coliform Bacteria (TCO)	Nitrate as N (NO_3-N)	Ammonia as N (NH_4-N)	Total Kjeldahl Nitrogen (TKN)	Total Nitrogen (TN)	EC	pH	Total Dissolved Solids (TDS)	Dissolved Iron	Dissolved Manganese
Method/Analysis		SM 9221 B	EPA 300.0	SM 4500 - NH_3 H	SM 4500 - NH_3 C	calculation	SM 2510 B	SM 4500-H+	SM 2540 C	EPA 200.7	EPA 200.7
Units:		MPN/100ml	mg/L	mg/L	mg/L	mg/L		std units	mg/L	mg/L	mg/L
MCL		**2.2**	**10**						**500**	**0.3**	**0.05**
MW2A	6/22/21	> 1600	0.03	3.00		3.00			290	1.30	2.80
MW2A	9/21/21	920	0.15	3.80		4.00			300	ND	3.20
MW2A	12/14/21	920	ND	3.20	3.30	3.30			270	0.93	3.10
MW2A	3/15/22	21	ND	2.70		2.70			260	0.76	2.80
MW2A	6/15/22	130	ND	3.10		3.10			300	0.10	3.20
MW2A	9/22/22	240	0.05	3.30		3.30			280	0.36	3.30
MW2A	11/28/22	3.6	ND	3.28	7.80	7.90	536	7.1	267	4.59	4.08
MW2A	3/2/23	<1.1	ND	2.06		2.06	366	6.9	230	ND	2.12
MW2A	5/17/23	<1.1	ND	2.28		2.28	451	6.8	223	3.16	2.66

NM - Not Measured

ND - Not Detected

DELLAVALLE LABORATORY INC

Historical Quarterly Groundwater Quality Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Total Coliform Bacteria (TCO)	Fecal Coliform Bacteria (FCO)	Nitrate as N (NO_3-N)	Ammonia as N (NH_4-N)	Total Kjeldahl Nitrogen (TKN)	Total Nitrogen (TN)	EC	pH	Total Dissolved Solids (TDS)	Dissolved Iron	Dissolved Manganese	Total Iron	Total Manganese
Method/Analysis		SM 9221 B	SM 9221 E	EPA 300.0	SM 4500 - NH_3 H	SM 4500 - NH_3 C	calculation	SM 2510 B	SM 4500-H+	SM 2540 C	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7
Units:		MPN/100ml	MPN/100ml	mg/L	mg/L	mg/L	mg/L		std units	mg/L	mg/L	mg/L	mg/L	mg/L
MCL		**2.2**	**2.2**	**10**						**500**	**0.3**	**0.05**	**0.3**	**0.05**
MW3	7/16/02	30	ND	ND		8.80	9.10			330			ND	5.40
MW3	6/30/03	ND	ND	ND		1.10	1.10			302			0.460	4.34
MW3	9/30/03	ND	ND	ND		ND	0.50			316			0.720	4.10
MW3	12/31/03	ND	ND	ND		1.10	1.10			325			0.590	4.14
MW3	3/31/04	ND	ND	ND		1.10	1.10			374			0.280	4.02
MW3	6/30/04	ND	ND	ND		ND	0.50			324			0.330	4.00
MW3	10/1/04	ND	ND	ND		ND	0.50			280			0.100	3.88
MW3	1/4/05	ND	ND	0.11		ND	0.60			331			0.120	4.41
MW3	4/1/05	ND	ND	ND		1.10	1.10			356			0.090	4.38
MW3	6/30/05	ND	ND	ND		ND	0.50			332			0.140	4.07
MW3	10/6/05	ND	ND	0.48		1.00	1.50			312			2.370	2.82
MW3	2/13/06	ND	ND	ND		ND	0.50			326			0.136	3.87
MW3	5/23/06	ND	ND	ND		1.00	1.00			310			0.310	4.63
MW3	8/25/06	ND	ND	ND		ND	0.50			306			0.230	3.90
MW3	12/29/06	ND	ND	0.34		1.40	1.70			304			0.100	3.80
MW3	3/30/07	ND		ND		ND	0.50			277			0.240	3.90

DELLAVALLE LABORATORY INC

Historical Quarterly Groundwater Quality Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Total Coliform Bacteria (TCO)	Fecal Coliform Bacteria (FCO)	Nitrate as N (NO_3-N)	Ammonia as N (NH_4-N)	Total Kjeldahl Nitrogen (TKN)	Total Nitrogen (TN)	EC	pH	Total Dissolved Solids (TDS)	Dissolved Iron	Dissolved Manganese	Total Iron	Total Manganese
Method/Analysis		SM 9221 B	SM 9221 E	EPA 300.0	SM 4500 - NH_3 H	SM 4500 - NH_3 C	calculation	SM 2510 B	SM 4500-H+	SM 2540 C	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7
Units:		MPN/100ml	MPN/100ml	mg/L	mg/L	mg/L	mg/L		std units	mg/L	mg/L	mg/L	mg/L	mg/L
MCL		**2.2**	**2.2**	**10**						**500**	**0.3**	**0.05**	**0.3**	**0.05**
MW3	6/25/07	ND		ND		ND	0.50			260			0.217	3.59
MW3	9/27/07	ND	ND	ND		ND	0.50			284	0.047	3.10	0.200	3.30
MW3	12/31/07	2	ND	0.93		ND	1.40			343	0.034	3.50	0.061	3.40
MW3	7/7/08	ND	ND	0.19		1.50	1.70			361	0.058	5.00	4.700	4.30
MW3	10/10/08	2	ND	ND		1.10	1.10			314	0.039	3.73	0.117	3.56
MW3	12/30/08	ND	ND	ND		1.00	1.10			330	0.087	4.70	0.110	5.30
MW3	3/12/09	ND		1.20		1.10	2.30			340	0.008	4.40	0.120	5.50
MW3	6/16/09	ND	ND	0.09		1.40	1.50			320	0.053	4.30	0.160	4.50
MW3	9/22/09	ND	ND	0.05		1.60	1.60			310	ND	3.90		
MW3	12/15/09	ND	ND	0.07		1.10	1.20			290	0.084	4.10		
MW3	3/22/10	ND	ND	0.08		1.10	1.20			310	0.050	4.00		
MW3	6/22/10	ND	ND	0.02		0.96	1.00			330	0.072	3.90		
MW3	9/22/10	ND	ND	ND		1.30	1.30			360	0.081	4.20		
MW3	12/14/10	ND		1.80		0.85	2.70			310	0.092	3.90		
MW3	3/29/11	ND		0.15		1.20	1.40			340	0.074	4.50		
MW3	6/23/11	ND		0.08		0.98	1.10			320	0.082	4.40		
MW3	9/14/11	ND		ND		1.30	1.30			350	0.100	4.30		
MW3	12/14/11	ND	ND	2.10		1.40	3.50			330	0.059	4.00		
MW3	3/21/12	ND		0.74		1.30	2.00			310	0.055	3.90		

DELLAVALLE LABORATORY INC

Historical Quarterly Groundwater Quality Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Total Coliform Bacteria (TCO)	Fecal Coliform Bacteria (FCO)	Nitrate as N (NO_3-N)	Ammonia as N (NH_4-N)	Total Kjeldahl Nitrogen (TKN)	Total Nitrogen (TN)	EC	pH	Total Dissolved Solids (TDS)	Dissolved Iron	Dissolved Manganese	Total Iron	Total Manganese
Method/Analysis		SM 9221 B	SM 9221 E	EPA 300.0	SM 4500 - NH_3 H	SM 4500 - NH_3 C	calculation	SM 2510 B	SM 4500-H+	SM 2540 C	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7
Units:		MPN/100ml	MPN/100ml	mg/L	mg/L	mg/L	mg/L		std units	mg/L	mg/L	mg/L	mg/L	mg/L
MCL		**2.2**	**2.2**	**10**						**500**	**0.3**	**0.05**	**0.3**	**0.05**
MW3	6/26/12	ND	ND	ND		1.50	1.50			310	0.083	4.00		
MW3	9/26/12	ND		ND		1.70	1.70			310	0.086	4.20		
MW3	12/18/12	ND		1.60		1.60	3.20			300	0.068	4.30		
MW3	3/11/13	ND		0.24		1.50	1.70			320	0.061	4.80		
MW3	6/26/13	ND		ND		1.70	1.70			300	0.090	4.70		
MW3	9/11/13	ND		ND	1.40		1.40			320	0.098	4.80		
MW3	12/12/13	ND		ND	1.30	1.40	1.40			330	0.096	4.50		
MW3	3/4/14	ND		1.10	1.20		2.30			340	0.030	4.80		
MW3	6/17/14	ND		ND	1.70		1.70			340	0.110	4.70		
MW3	9/18/14	ND		ND	1.20		1.20			320	0.130	4.50		
MW3	12/18/14	ND		ND	1.30	1.60	1.30			350	ND	4.60		
MW3	3/24/15	ND		0.51	0.88		1.40			380	ND	5.30		
MW3	6/11/15	ND		0.09	1.20		1.30			360	ND	5.20		
MW3	9/17/15	ND		0.03	1.00		1.00			350	0.043	4.80		
MW3	12/16/15	ND		0.06	1.10	1.30	1.40			350	0.160	4.20		
MW3	3/29/16	ND		0.66	0.86		1.50			380	0.041	4.70		
MW3	6/20/16	ND		0.03	1.20	1.40	1.30			370	0.057	4.90		
MW3	9/8/16	ND		ND	0.94		1.00			350	0.075	4.70		
MW3	12/8/16	ND		ND	1.10	1.30	1.30			350	0.073	5.10		

DELLAVALLE LABORATORY INC

Historical Quarterly Groundwater Quality Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Total Coliform Bacteria (TCO)	Fecal Coliform Bacteria (FCO)	Nitrate as N (NO_3-N)	Ammonia as N (NH_4-N)	Total Kjeldahl Nitrogen (TKN)	Total Nitrogen (TN)	EC	pH	Total Dissolved Solids (TDS)	Dissolved Iron	Dissolved Manganese	Total Iron	Total Manganese
Method/Analysis		SM 9221 B	SM 9221 E	EPA 300.0	SM 4500 - NH_3 H	SM 4500 - NH_3 C	calculation	SM 2510 B	SM 4500-H+	SM 2540 C	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7
Units:		MPN/100ml	MPN/100ml	mg/L	mg/L	mg/L	mg/L		std units	mg/L	mg/L	mg/L	mg/L	mg/L
MCL		**2.2**	**2.2**	**10**						**500**	**0.3**	**0.05**	**0.3**	**0.05**
MW3	3/10/17	ND		0.54	0.78		1.30			390	0.065	5.50		
MW3	6/14/17	ND		ND	1.20		1.20			370	0.030	5.10		
MW3	9/13/17	ND		ND	1.40		1.40			320	0.040	4.60		
MW3	12/6/17	ND		3.40	1.30	1.70	5.10			360	0.038	4.10		
MW3	3/9/18	6		3.40	1.30		4.70			350	ND	2.90		
MW3	6/15/18	49		0.10	1.40		1.50			320	ND	4.30		
MW3	9/17/18	540		0.05	1.40		1.40			320	ND	3.80		
MW3	12/17/18	> 1600		0.03	1.70	1.70	1.80			320	0.030	3.70		
MW3	3/18/19	920		1.60	1.10		2.70			350	ND	3.40		
MW3	5/13/19	23		0.13	1.80		1.90			350	ND	4.70		
MW3	9/16/19	1600		ND	2.40		2.40			320	ND	4.90		
MW3	12/16/19	920		ND	1.90	1.90	1.90			300	0.034	4.30		
MW3	3/16/19	920		ND	2.00		2.00			330	0.059	4.50		
MW3	6/16/20	ND		0.14	1.90		2.04			310	0.043	4.30		
MW3	9/14/20	58		0.10	1.90		2.00			300	ND	4.10		
MW3	12/15/20	140		0.09	1.70		1.80			280	ND	3.40		
MW3	3/17/21	4.5		0.06	1.80		2.00			300	ND	3.40		
MW3	6/22/21	4.5		0.04	1.80		1.80			300	ND	3.50		
MW3	9/21/21	2		0.15	1.80		2.00			300	ND	3.60		

DELLAVALLE LABORATORY INC

Historical Quarterly Groundwater Quality Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Total Coliform Bacteria (TCO)	Fecal Coliform Bacteria (FCO)	Nitrate as N (NO_3-N)	Ammonia as N (NH_4-N)	Total Kjeldahl Nitrogen (TKN)	Total Nitrogen (TN)	EC	pH	Total Dissolved Solids (TDS)	Dissolved Iron	Dissolved Manganese	Total Iron	Total Manganese
Method/Analysis		SM 9221 B	SM 9221 E	EPA 300.0	SM 4500 - NH_3 H	SM 4500 - NH_3 C	calculation	SM 2510 B	SM 4500-H+	SM 2540 C	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7
Units:		MPN/100ml	MPN/100ml	mg/L	mg/L	mg/L	mg/L		std units	mg/L	mg/L	mg/L	mg/L	mg/L
MCL		**2.2**	**2.2**	**10**						**500**	**0.3**	**0.05**	**0.3**	**0.05**
MW3	12/14/21	> 1600		0.07	1.70	2.10	2.10			310	ND	3.50		
MW3	3/15/22	350		0.12	1.70		1.80			300	ND	3.80		
MW3	6/15/22	9.2		0.03	1.80		1.80			320	ND	4.10		
MW3	9/22/22	17		0.09	1.80		1.90			320	ND	3.90		
MW3	11/28/22	<1.1		ND	1.89	4.50	4.58	525	7.2	260	ND	4.32		
MW3	3/2/23	<1.1		0.1	1.50		1.60	610	7.0	363	ND	4.70		
MW3	5/17/23	<1.1		0.1	1.85		1.95	633	6.8	267	ND	4.67		

NM - Not Measured

ND - Not Detected

DELLAVALLE™
LABORATORY INC

Historical Quarterly Groundwater Quality Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Total Coliform Bacteria (TCO)	Fecal Coliform Bacteria (FCO)	Nitrate as N (NO_3-N)	Ammonia as N (NH_4-N)	Total Kjeldahl Nitrogen (TKN)	Total Nitrogen (TN)	EC	pH	Total Dissolved Solids (TDS)	Dissolved Iron	Dissolved Manganese	Total Iron	Total Manganese
Method/Analysis		SM 9221 B	SM 9221 E	EPA 300.0	SM 4500 - NH_3 H	SM 4500 - NH_3 C	calculation	SM 2510 B	SM 4500-H+	SM 2540 C	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7
Units:		MPN/100ml	MPN/100ml	mg/L	mg/L	mg/L	mg/L		std units	mg/L	mg/L	mg/L	mg/L	mg/L
MCL		**2.2**	**2.2**	**10**						**500**	**0.3**	**0.05**	**0.3**	**0.05**
MW3A	12/26/07	ND	ND	0.17		4.80	5.00			318	4.10	5.50	6.10	5.60
MW3A	7/7/08	ND	ND	ND		4.60	4.60			295	2.60	6.10	8.30	5.70
MW3A	10/10/08	ND	ND	ND		6.30	6.30			286	4.63	5.95	5.96	5.84
MW3A	12/30/08	ND	ND	ND		6.40				280	6.20	7.20	17.00	8.10
MW3A	3/12/09	ND		0.41		6.00	6.40			270	0.14	6.00	5.50	7.50
MW3A	6/16/09	ND	ND	ND		4.40	4.50			250	0.38	5.00	4.80	5.60
MW3A	9/22/09	ND	ND	ND		6.30	6.40			290	ND	5.30		
MW3A	12/15/09	ND	ND	ND		7.00	7.10			280	6.80	6.50		
MW3A	3/22/10	ND	ND	0.21		2.30	2.50			280	5.20	5.70		
MW3A	6/22/10	ND	ND	ND		5.10	5.10			250	4.50	5.30		
MW3A	9/22/10	ND	ND	ND		13.00	13.00			330	5.50	5.60		
MW3A	12/14/10	ND		0.06		6.10	6.20			280	5.60	5.90		
MW3A	3/29/11	ND		0.46		6.20	6.70			300	2.10	3.00		
MW3A	6/23/11	ND		ND		4.80	4.80			290	4.70	5.90		
MW3A	9/14/11	ND		ND		5.10	5.10			300	4.50	5.70		
MW3A	12/14/11	ND	ND	ND		6.10	6.10			290	4.50	5.60		

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LABORATORY INC

Historical Quarterly Groundwater Quality Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Total Coliform Bacteria (TCO)	Fecal Coliform Bacteria (FCO)	Nitrate as N (NO_3-N)	Ammonia as N (NH_4-N)	Total Kjeldahl Nitrogen (TKN)	Total Nitrogen (TN)	EC	pH	Total Dissolved Solids (TDS)	Dissolved Iron	Dissolved Manganese	Total Iron	Total Manganese
Method/Analysis		SM 9221 B	SM 9221 E	EPA 300.0	SM 4500 - NH_3 H	SM 4500 - NH_3 C	calculation	SM 2510 B	SM 4500-H+	SM 2540 C	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7
Units:		MPN/100ml	MPN/100ml	mg/L	mg/L	mg/L	mg/L		std units	mg/L	mg/L	mg/L	mg/L	mg/L
MCL		**2.2**	**2.2**	**10**						**500**	**0.3**	**0.05**	**0.3**	**0.05**
MW3A	3/21/12	ND		0.83		6.30	7.10			270	4.20	5.80		
MW3A	6/26/12	ND	ND	ND		5.90	5.90			300	4.70	5.60		
MW3A	9/26/12	ND		ND		5.20	5.20			270	4.40	5.80		
MW3A	12/18/12	ND		ND		5.70	5.70			300	4.90	6.40		
MW3A	3/11/13	ND		ND		6.10	6.10			300	7.30	7.30		
MW3A	6/27/13	ND		ND		6.40	6.40			320	6.80	7.30		
MW3A	9/12/13	ND		ND	7.50		7.50			320	7.00	7.60		
MW3A	12/11/13	ND		ND	8.40	8.40	8.40			330	6.70	8.20		
MW3A	3/5/14	ND		ND	6.70		6.70			310	7.50	7.30		
MW3A	6/17/14	ND		0.03	6.40		6.40			280	7.80	6.70		
MW3A	9/18/14	ND		ND	6.40		6.40			290	7.40	7.20		
MW3A	12/18/14	ND		ND	8.00	7.90	7.90			340	6.90	7.60		
MW3A	3/24/15	ND		ND	6.60		6.60			320	5.80	7.40		
MW3A	6/11/15	ND		ND	8.40		8.40			320	5.40	6.90		
MW3A	9/17/15	ND		ND	7.20		7.20			310	4.10	6.60		
MW3A	12/16/15	ND		0.04	7.00	7.70	7.70			310	4.50	5.90		
MW3A	3/29/16	ND		ND	6.60		6.60			310	4.50	6.10		

DELLAVALLE™
LABORATORY INC

Historical Quarterly Groundwater Quality Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Total Coliform Bacteria (TCO)	Fecal Coliform Bacteria (FCO)	Nitrate as N (NO_3-N)	Ammonia as N (NH_4-N)	Total Kjeldahl Nitrogen (TKN)	Total Nitrogen (TN)	EC	pH	Total Dissolved Solids (TDS)	Dissolved Iron	Dissolved Manganese	Total Iron	Total Manganese
Method/Analysis		SM 9221 B	SM 9221 E	EPA 300.0	SM 4500 - NH_3 H	SM 4500 - NH_3 C	calculation	SM 2510 B	SM 4500-H+	SM 2540 C	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7
Units:		MPN/100ml	MPN/100ml	mg/L	mg/L	mg/L	mg/L		std units	mg/L	mg/L	mg/L	mg/L	mg/L
MCL		**2.2**	**2.2**	**10**						**500**	**0.3**	**0.05**	**0.3**	**0.05**
MW3A	6/21/16	ND		ND	5.90		5.90			280	4.10	5.50		
MW3A	9/8/16	ND		0.22	6.40		6.60			290	4.30	6.10		
MW3A	12/8/16	ND		ND	6.80	6.80	6.80			340	5.50	7.40		
MW3A	3/10/17	ND		0.24	0.34		0.60			310	5.30	7.50		
MW3A	6/14/17	ND		ND	6.70		6.70			270	4.20	6.20		
MW3A	9/13/17	ND		0.16	6.10		6.30			260	3.30	5.20		
MW3A	12/5/17	ND		ND	5.60	6.50	6.50			270	3.40	5.20		
MW3A	3/9/18	ND		ND	5.60		5.60			270	0.36	3.80		
MW3A	6/15/18	2	ND	ND	5.50		5.50			280	0.17	6.40		
MW3A	9/17/18	5		0.04	6.50		6.50			300	0.44	6.20		
MW3A	12/17/18	79		0.05	6.90	6.80	6.90			300	0.03	5.70		
MW3A	3/18/19	ND		0.17	6.50		6.70			320	0.82	5.70		
MW3A	5/13/19	79		ND	6.10		6.10			310	0.37	6.50		
MW3A	9/16/19	920		ND	6.30		6.30			310	0.35	6.60		
MW3A	12/16/19	> 1600		ND	5.70	5.90	5.90			290	0.99	6.00		
MW3A	3/16/19	40		ND	6.10		6.10			320	1.50	6.60		
MW3A	6/16/20	ND		ND	5.10		5.10			290	1.10	5.40		
MW3A	9/14/20	7		ND	4.60		4.60			290	ND	5.20		

DELLAVALLE™
LABORATORY INC

Historical Quarterly Groundwater Quality Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Total Coliform Bacteria (TCO)	Fecal Coliform Bacteria (FCO)	Nitrate as N (NO_3-N)	Ammonia as N (NH_4-N)	Total Kjeldahl Nitrogen (TKN)	Total Nitrogen (TN)	EC	pH	Total Dissolved Solids (TDS)	Dissolved Iron	Dissolved Manganese	Total Iron	Total Manganese
Method/Analysis		SM 9221 B	SM 9221 E	EPA 300.0	SM 4500 - NH_3 H	SM 4500 - NH_3 C	calculation	SM 2510 B	SM 4500-H+	SM 2540 C	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7
Units:		MPN/100ml	MPN/100ml	mg/L	mg/L	mg/L	mg/L		std units	mg/L	mg/L	mg/L	mg/L	mg/L
MCL		**2.2**	**2.2**	**10**						**500**	**0.3**	**0.05**	**0.3**	**0.05**
MW3A	12/15/20	2		0.07	4.60		5.30			310	0.14	4.70		
MW3A	3/17/21	ND		0.04	4.50		4.60			280	0.23	5.10		
MW3A	6/22/21	240		0.06	4.70		4.80			290	0.05	5.20		
MW3A	9/21/21	2		0.09	4.70		4.80			290	ND	5.30		
MW3A	12/14/21	22		ND	5.10	4.60	4.60			320	1.00	6.40		
MW3A	3/15/22	ND		ND	4.60		4.60			290	1.30	6.00		
MW3A	6/15/22	NM		0.03	4.40		4.40			300	0.20	6.40		
MW3A	9/22/22	ND		0.05	5.00		5.00			300	ND	6.40		
MW3A	11/28/22	<1.1		0.20	4.40	12.40	12.50	546	7.1	312	1.35	6.54		
MW3A	3/2/23	1.1		0.1	4.74	5.08	5.18	570	6.9	325	ND	5.91		
MW3A	5/17/23	<1.1		0.1	3.58		3.68	496	6.9	293	0.62	4.56		

NM - Not Measured

ND - Not Detected

Outlier not included in graph

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LABORATORY INC

Historical Quarterly Groundwater Quality Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Total Coliform Bacteria (TCO)	Fecal Coliform Bacteria (FCO)	Nitrate as N (NO_3-N)	Ammonia as N (NH_4-N)	Total Kjeldahl Nitrogen (TKN)	Total Nitrogen (TN)	EC	pH	Total Dissolved Solids (TDS)	Dissolved Iron	Dissolved Manganese	Total Iron	Total Manganese
Method/Analysis		SM 9221 B	SM 9221 E	EPA 300.0	SM 4500 - NH_3 H	SM 4500 - NH_3 C	calculation	SM 2510 B	SM 4500-H+	SM 2540 C	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7
Units:		MPN/100ml	MPN/100ml	mg/L	mg/L	mg/L	mg/L		std units	mg/L	mg/L	mg/L	mg/L	mg/L
MCL		**2.2**	**2.2**	**10**						**500**	**0.3**	**0.05**	**0.3**	**0.05**
MW4	7/16/02	50	ND	ND		5.40	5.70			250			0.13	0.11
MW4	6/30/03	ND	ND	ND		ND	0.50			268			1.28	0.11
MW4	9/30/03	ND	ND	ND		ND	0.50			247			0.10	0.04
MW4	12/31/03	ND	ND	ND		ND	0.50			277			ND	0.03
MW4	3/31/04	ND	ND	0.20		ND	0.70			278			ND	0.04
MW4	6/30/04	ND	ND	ND		ND	0.50			275			ND	0.05
MW4	10/1/04	110	17	ND		ND	0.50			296			ND	0.05
MW4	1/4/05	2	ND	ND		ND	0.50			219			ND	0.04
MW4	4/1/05	2	ND	0.06		ND	0.60			252			ND	0.06
MW4	6/30/05	1600	13	ND		ND	0.50			254			2.24	0.09
MW4	10/7/05	2	ND	ND		ND	0.50			238			0.78	0.09
MW4	2/13/06	2	ND	ND		ND	0.50			199			ND	0.09
MW4	5/23/06	30	ND	ND		ND	0.50			218			0.27	0.09
MW4	8/24/06	ND	ND	ND		ND	0.50			237			0.17	0.11
MW4	12/29/06	2	ND	ND		ND	0.50			232			0.19	0.11
MW4	3/30/07	ND		ND		ND	0.50			180			0.08	0.12
MW4	6/25/07	ND		ND		ND	0.50			216			0.06	0.12

DELLAVALLE™
LABORATORY INC

Historical Quarterly Groundwater Quality Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Total Coliform Bacteria (TCO)	Fecal Coliform Bacteria (FCO)	Nitrate as N (NO_3-N)	Ammonia as N (NH_4-N)	Total Kjeldahl Nitrogen (TKN)	Total Nitrogen (TN)	EC	pH	Total Dissolved Solids (TDS)	Dissolved Iron	Dissolved Manganese	Total Iron	Total Manganese
Method/Analysis		SM 9221 B	SM 9221 E	EPA 300.0	SM 4500 - NH_3 H	SM 4500 - NH_3 C	calculation	SM 2510 B	SM 4500-H+	SM 2540 C	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7
Units:		MPN/100ml	MPN/100ml	mg/L	mg/L	mg/L	mg/L		std units	mg/L	mg/L	mg/L	mg/L	mg/L
MCL		**2.2**	**2.2**	**10**						**500**	**0.3**	**0.05**	**0.3**	**0.05**
MW4	9/27/07	4	4	ND		ND	0.50			259	ND	0.15	0.03	0.15
MW4	12/27/07	ND	ND	ND		ND	0.50			239	ND	0.18	0.02	0.18
MW4	7/7/08	17	ND	ND		ND	0.50			232	ND	0.20	0.02	0.20
MW4	10/10/08	ND	ND	ND		ND	0.50			251	ND	0.22	ND	0.20
MW4	12/30/08	ND	ND	ND		1.30	1.40			250	0.01	0.29	1.20	0.66
MW4	3/12/09	NM	NM	ND		0.14	0.20			270	0.02	0.30	2.70	0.39
MW4	6/16/09	ND	ND	ND		0.17	0.20			250	0.02	0.31	0.50	0.30
MW4	9/22/09	ND	ND	ND		0.18	0.20			280	ND	0.31		
MW4	12/15/09	ND	ND	ND		0.14	0.20			310	0.12	0.37		
MW4	3/22/10	ND	ND	0.14		ND	0.20			280	0.14	0.32		
MW4	6/22/10	ND	ND	ND		ND	0.04			250	0.04	0.26		
MW4	9/22/10	ND	ND	ND		ND	0.04			310	0.03	0.36		
MW4	12/14/10	ND		ND		0.09	0.10			270	0.02	0.42		
MW4	3/29/11	ND		0.42		ND	0.40			250	ND	0.37		

DELLAVALLE™
LABORATORY INC

Historical Quarterly Groundwater Quality Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Total Coliform Bacteria (TCO)	Fecal Coliform Bacteria (FCO)	Nitrate as N (NO_3-N)	Ammonia as N (NH_4-N)	Total Kjeldahl Nitrogen (TKN)	Total Nitrogen (TN)	EC	pH	Total Dissolved Solids (TDS)	Dissolved Iron	Dissolved Manganese	Total Iron	Total Manganese
Method/Analysis		SM 9221 B	SM 9221 E	EPA 300.0	SM 4500 - NH_3 H	SM 4500 - NH_3 C	calculation	SM 2510 B	SM 4500-H+	SM 2540 C	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7
Units:		MPN/100ml	MPN/100ml	mg/L	mg/L	mg/L	mg/L		std units	mg/L	mg/L	mg/L	mg/L	mg/L
MCL		**2.2**	**2.2**	**10**						**500**	**0.3**	**0.05**	**0.3**	**0.05**
MW4	6/23/11	ND		0.10		ND	0.10			220	ND	0.34		
MW4	9/14/11	ND		ND		0.06	0.10			220	0.02	0.38		
MW4	12/14/11	ND	ND	ND		0.11	0.10			250	0.01	0.44		
MW4	3/21/12	ND		ND		0.13	0.10			250	0.01	0.47		
MW4	6/26/12	ND	ND	ND		0.10	0.10			230	0.02	0.43		
MW4	9/26/12	ND		0.12		0.11	0.20			250	0.01	0.51		
MW4	12/18/12	2		ND		ND	0.10			250	0.02	0.57		
MW4	3/11/13	ND		ND		0.16	0.20			260	ND	0.56		
MW4	6/27/13	ND		ND		0.17	0.20			230	ND	0.55		
MW4	9/11/13	ND		ND	0.04		0.05			250	ND	0.60		
MW4	12/11/13	ND		ND	0.02	0.16	0.20			270	ND	0.59		
MW4	3/5/14	80		ND	0.06		0.10			230	ND	0.64		
MW4	6/17/14	ND		ND	ND		0.03			250	0.03	0.63		
MW4	9/18/14	ND		ND	ND		0.03			250	ND	0.69		
MW4	12/18/14	8		ND	0.04	0.82	0.82			270	ND	0.67		

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Historical Quarterly Groundwater Quality Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Total Coliform Bacteria (TCO)	Fecal Coliform Bacteria (FCO)	Nitrate as N (NO_3-N)	Ammonia as N (NH_4-N)	Total Kjeldahl Nitrogen (TKN)	Total Nitrogen (TN)	EC	pH	Total Dissolved Solids (TDS)	Dissolved Iron	Dissolved Manganese	Total Iron	Total Manganese
Method/Analysis		SM 9221 B	SM 9221 E	EPA 300.0	SM 4500 - NH_3 H	SM 4500 - NH_3 C	calculation	SM 2510 B	SM 4500-H+	SM 2540 C	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7
Units:		MPN/100ml	MPN/100ml	mg/L	mg/L	mg/L	mg/L		std units	mg/L	mg/L	mg/L	mg/L	mg/L
MCL		**2.2**	**2.2**	**10**						**500**	**0.3**	**0.05**	**0.3**	**0.05**
MW4	3/24/15	ND		ND	ND		0.03			280	ND	0.77		
MW4	6/11/15	ND		ND	ND		0.02			300	ND	0.81		
MW4	9/17/15	ND		0.18	ND		0.19			290	ND	0.80		
MW4	12/16/15	ND		0.21	0.03	0.21	0.42			310	0.08	0.69		
MW4	3/29/16	ND		8.20	ND		8.21			330	ND	0.89		
MW4	6/21/16	ND		3.50	ND		3.51			340	ND	0.92		
MW4	9/8/16	ND		1.20	ND		1.21			340	ND	0.92		
MW4	12/9/16	ND		2.60	0.02	0.17	2.80			350	0.04	1.00		
MW4	3/9/17	2		20.00	ND		20.01			500	ND	1.70		
MW4	6/14/17	ND		1.20	ND		1.21			330	ND	0.98		
MW4	9/13/17	ND		0.54	ND		0.55			310	ND	0.95		
MW4	12/5/17	ND		0.36	0.03	0.15	0.51			290	ND	0.91		
MW4	3/9/18	ND		1.10	0.17		1.27			300	ND	0.65		
MW4	6/15/18	8	ND	1.70	0.08		1.80			290	0.04	0.89		
MW4	9/17/18	33		0.45	0.13		0.60			300	ND	1.10		
MW4	12/17/18	>1,600		0.26	0.13	0.47	0.73			280	ND	0.94		
MW4	3/18/19	46		2.70	0.14		0.60			270	ND	0.81		

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Historical Quarterly Groundwater Quality Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Total Coliform Bacteria (TCO)	Fecal Coliform Bacteria (FCO)	Nitrate as N (NO_3-N)	Ammonia as N (NH_4-N)	Total Kjeldahl Nitrogen (TKN)	Total Nitrogen (TN)	EC	pH	Total Dissolved Solids (TDS)	Dissolved Iron	Dissolved Manganese	Total Iron	Total Manganese
Method/Analysis		SM 9221 B	SM 9221 E	EPA 300.0	SM 4500 - NH_3 H	SM 4500 - NH_3 C	calculation	SM 2510 B	SM 4500-H+	SM 2540 C	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7
Units:		MPN/100ml	MPN/100ml	mg/L	mg/L	mg/L	mg/L		std units	mg/L	mg/L	mg/L	mg/L	mg/L
MCL		**2.2**	**2.2**	**10**						**500**	**0.3**	**0.05**	**0.3**	**0.05**
MW4	5/13/19	46		0.44	ND		0.40			240	ND	0.81		
MW4	9/16/19	220		ND	ND		0.10			280	ND	0.97		
MW4	12/16/19	920		0.05	ND	0.21	0.30			270	ND	0.99		
MW4	3/16/19	540		0.21	ND		0.20			280	0.03	0.93		
MW4	6/16/20	27		1.90	0.10		2.00			340	ND	1.10		
MW4	9/14/20	20		0.11	ND		0.10			300	ND	1.10		
MW4	12/15/20	2		0.12	0.11		0.38			260	ND	0.87		
MW4	3/17/21	ND		0.52	ND		0.38			290	ND	1.00		
MW4	6/22/21	350		1.50	0.11		1.60			300	ND	0.87		
MW4	9/21/21	79		1.70	0.17		1.90			290	ND	0.87		
MW4	12/14/21	1600		7.20	ND	0.42	7.60			320	ND	1.00		
MW4	3/15/22	240		8.30	0.08		8.38			280	ND	1.10		
MW4	6/15/22	2.0		1.20	0.09		1.30			270	ND	0.87		
MW4	9/22/22	920		0.47	0.08		0.55			270	ND	1.20		
MW4	11/28/22	<1.1		0.30	ND	ND	ND	429	7.2	235	ND	1.26		
MW4	3/2/23	3.6		8.6	ND		8.60	562	6.8	330	ND	1.62		
MW4	5/17/23	<1.1		3.0	ND		3.0	495	6.9	247	ND	1.27		

NM - Not Measured

ND - Not Detected

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Historical Quarterly Groundwater Quality Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Total Coliform Bacteria (TCO)	Fecal Coliform Bacteria (FCO)	Nitrate as N (NO_3-N)	Ammonia as N (NH_4-N)	Total Kjeldahl Nitrogen (TKN)	Total Nitrogen (TN)	EC	pH	Total Dissolved Solids (TDS)	Dissolved Iron	Dissolved Manganese	Total Iron	Total Manganese
Method/Analysis		SM 9221 B	SM 9221 E	EPA 300.0	SM 4500 - NH_3 H	SM 4500 - NH_3 C	calculation	SM 2510 B	SM 4500-H+	SM 2540 C	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7
Units:		MPN/100ml	MPN/100ml	mg/L	mg/L	mg/L	mg/L		std units	mg/L	mg/L	mg/L	mg/L	mg/L
MCL		**2.2**	**2.2**	**10**						**500**	**0.3**	**0.05**	**0.3**	**0.05**
MW4A	12/26/07	50	ND	0.12		ND	0.62			313	ND	0.05	3.60	0.45
MW4A	7/7/08	2	ND	0.20		ND	0.70			265	0.05	0.09	0.28	0.10
MW4A	10/10/08	ND	ND	0.37		ND	0.87			238	0.10	0.12	1.64	0.17
MW4A	12/30/08	8	ND	0.48		0.05	0.53			230	0.12	0.17	0.25	0.19
MW4A	3/12/09	ND	NM	NM		0.18	0.18			240	ND	0.09	ND	0.12
MW4A	6/16/09	240	2	0.15		0.10	0.25			280	0.04	0.18	0.10	0.18
MW4A	9/22/09	ND	ND	ND		ND	0.15			240	ND	0.10		
MW4A	12/15/09	ND	ND	0.30		ND	0.40			230	0.08	0.08		
MW4A	3/22/10	17	ND	0.49		0.10	0.59			280	ND	0.09		
MW4A	6/22/10	4	ND	0.40		ND	0.43			290	ND	0.10		
MW4A	9/22/10	50	ND	0.04		ND	0.06			330	0.06	0.08		
MW4A	12/14/10	170		0.09		0.23	0.32			270	0.20	0.11		
MW4A	3/29/11	900	900	1.10		0.86	1.96			290	0.02	0.11		
MW4A	6/23/11	ND		0.20		0.26	0.46			280	0.02	0.12		
MW4A	9/14/11	ND		0.05		ND	0.07			280	ND	0.05		
MW4A	12/14/11	2	ND	0.36		ND	0.39			250	ND	0.06		
MW4A	3/21/12	140		0.46		ND	0.49			240	0.30	0.06		

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LABORATORY INC

Historical Quarterly Groundwater Quality Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Total Coliform Bacteria (TCO)	Fecal Coliform Bacteria (FCO)	Nitrate as N (NO_3-N)	Ammonia as N (NH_4-N)	Total Kjeldahl Nitrogen (TKN)	Total Nitrogen (TN)	EC	pH	Total Dissolved Solids (TDS)	Dissolved Iron	Dissolved Manganese	Total Iron	Total Manganese
Method/Analysis		SM 9221 B	SM 9221 E	EPA 300.0	SM 4500 - NH_3 H	SM 4500 - NH_3 C	calculation	SM 2510 B	SM 4500-H+	SM 2540 C	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7
Units:		MPN/100ml	MPN/100ml	mg/L	mg/L	mg/L	mg/L		std units	mg/L	mg/L	mg/L	mg/L	mg/L
MCL		**2.2**	**2.2**	**10**						**500**	**0.3**	**0.05**	**0.3**	**0.05**
MW4A	6/26/12	ND	ND	0.15		ND	0.18			290	0.01	0.06		
MW4A	9/26/12	4		ND		0.06	0.07			240	0.01	0.06		
MW4A	12/18/12	17		0.10		ND	0.14			250	0.03	0.06		
MW4A	3/11/13	ND		0.22		ND	0.26			270	ND	0.06		
MW4A	6/27/13	ND		0.41		0.17	0.58			230	0.05	0.07		
MW4A	9/12/13	ND		0.46	0.02		0.48			170	ND	0.06		
MW4A	12/11/13	8		0.46	ND	ND	0.48			220	0.06	0.07		
MW4A	3/5/14	≥ 1600		0.33	0.05		0.38			210	ND	0.06		
MW4A	6/17/14	2		0.21	ND		0.21			230	0.03	0.07		
MW4A	9/18/14	2		0.25	ND		0.25			220	ND	0.06		
MW4A	12/18/14	≥ 1600		0.31	ND	ND	0.31			230	ND	0.04		
MW4A	3/24/15	ND		1.10	ND		1.10			240	ND	0.04		
MW4A	6/11/15	ND		0.97	ND		0.97			270	ND	0.04		
MW4A	9/17/15	2		0.68	ND		0.68			260	ND	0.06		

DELLAVALLE™
LABORATORY INC

Historical Quarterly Groundwater Quality Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Total Coliform Bacteria (TCO)	Fecal Coliform Bacteria (FCO)	Nitrate as N (NO_3-N)	Ammonia as N (NH_4-N)	Total Kjeldahl Nitrogen (TKN)	Total Nitrogen (TN)	EC	pH	Total Dissolved Solids (TDS)	Dissolved Iron	Dissolved Manganese	Total Iron	Total Manganese
Method/Analysis		SM 9221 B	SM 9221 E	EPA 300.0	SM 4500 - NH_3 H	SM 4500 - NH_3 C	calculation	SM 2510 B	SM 4500-H+	SM 2540 C	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7
Units:		MPN/100ml	MPN/100ml	mg/L	mg/L	mg/L	mg/L		std units	mg/L	mg/L	mg/L	mg/L	mg/L
MCL		**2.2**	**2.2**	**10**						**500**	**0.3**	**0.05**	**0.3**	**0.05**
MW4A	12/16/15	5		0.86	ND	0.26	1.12			250	0.06	0.03		
MW4A	3/29/16	94		2.80	ND		2.80			280	ND	0.02		
MW4A	6/21/16	ND		3.60	0.03		3.63			310	0.05	0.11		
MW4A	9/8/16	ND		2.70	ND		2.70			310	ND	0.05		
MW4A	12/9/16	ND		1.80	ND	0.09	1.90			290	ND	0.03		
MW4A	3/9/17	110		2.00	ND		2.00			310	ND	0.01		
MW4A	6/14/17	ND		0.44	ND		0.44			330	ND	0.11		
MW4A	9/13/17	ND		0.68	0.05		0.70			310	ND	0.06		
MW4A	12/5/17	140		2.40	0.06	0.17	2.60			300	ND	0.04		
MW4A	3/9/18	4		1.40	0.04		1.40			310	ND	0.02		
MW4A	6/15/18	14	2	1.60	0.08		1.70			290	ND	0.04		
MW4A	9/17/18	ND		0.86	0.08		0.90			290	ND	0.05		
MW4A	12/17/18	49		0.62	0.09	0.13	0.75			260	ND	ND		
MW4A	3/18/19	220		1.50	0.06		1.60			280	ND	0.02		
MW4A	5/13/19	23		0.76	ND		0.80			310	ND	0.08		

DELLAVALLE™
LABORATORY INC

Historical Quarterly Groundwater Quality Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Total Coliform Bacteria (TCO)	Fecal Coliform Bacteria (FCO)	Nitrate as N (NO_3-N)	Ammonia as N (NH_4-N)	Total Kjeldahl Nitrogen (TKN)	Total Nitrogen (TN)	EC	pH	Total Dissolved Solids (TDS)	Dissolved Iron	Dissolved Manganese	Total Iron	Total Manganese
Method/Analysis		SM 9221 B	SM 9221 E	EPA 300.0	SM 4500 - NH_3 H	SM 4500 - NH_3 C	calculation	SM 2510 B	SM 4500-H+	SM 2540 C	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7
Units:		MPN/100ml	MPN/100ml	mg/L	mg/L	mg/L	mg/L		std units	mg/L	mg/L	mg/L	mg/L	mg/L
MCL		**2.2**	**2.2**	**10**						**500**	**0.3**	**0.05**	**0.3**	**0.05**
MW4A	9/16/19	920		0.20	ND		0.20			260	ND	0.07		
MW4A	12/16/19	280		0.57	ND	0.15	0.72			250	ND	0.02		
MW4A	3/16/19	170		0.42	ND		0.42			270	ND	0.02		
MW4A	6/16/20	21		0.71	0.10		0.80			320	ND	0.07		
MW4A	9/14/20	11		0.32	ND		0.32			280	ND	0.10		
MW4A	12/15/20	14		0.24	0.11		0.69			220	ND	0.02		
MW4A	3/17/21	13		0.45	ND		0.45			250	ND	0.02		
MW4A	6/22/21	4		0.56	0.09		0.56			250	ND	0.04		
MW4A	9/21/21	2		0.36	0.15		0.51			250	ND	0.01		
MW4A	12/14/21	920		1.50	ND	0.26	1.80			220	ND	0.01		
MW4A	3/15/22	920		5.00	0.07		5.07			290	ND	0.11		
MW4A	6/15/22	920		2.10	0.08		2.20			280	ND	0.06		
MW4A	9/22/22	94		0.62	0.10		0.72			270	ND	0.06		
MW4A	11/28/22	3.6		0.50	ND	ND	ND	413	7.2	225	ND	ND		
MW4A	3/2/23	>23		2.2	ND		2.20	481	7.0	283	ND	ND		
MW4A	6/26/23	<1.8		2.4	ND		2.40	462	7.0	260	ND	0.02		

NM - Not Measured

ND - Not Detected

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LABORATORY INC

Historical Quarterly Groundwater Quality Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Total Coliform Bacteria (TCO)	Fecal Coliform Bacteria (FCO)	Nitrate as N (NO_3-N)	Ammonia as N (NH_4-N)	Total Kjeldahl Nitrogen (TKN)	Total Nitrogen (TN)	EC	pH	Total Dissolved Solids (TDS)	Dissolved Iron	Dissolved Manganese	Total Iron	Total Manganese
Method/Analysis		SM 9221 B	SM 9221 E	EPA 300.0	SM 4500 - NH_3 H	SM 4500 - NH_3 C	calculation	SM 2510 B	SM 4500-H+	SM 2540 C	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7
Units:		MPN/100ml	MPN/100ml	mg/L	mg/L	mg/L	mg/L		std units	mg/L	mg/L	mg/L	mg/L	mg/L
MCL		**2.2**	**2.2**	**10**						**500**	**0.3**	**0.05**	**0.3**	**0.05**
MW5A	12/27/07	ND	ND	ND		ND	0.53			304	ND	0.23	0.32	0.28
MW5A	7/7/08	ND	ND	0.60		ND	1.10			227	ND	0.25	0.65	0.27
MW5A	10/10/08	ND	ND	0.85		ND	1.35			199	ND	0.13	0.10	0.13
MW5A	12/29/08	ND	ND	0.70		0.05	0.75			200	0.01	0.10	0.02	0.09
MW5A	3/11/09	ND		0.44		0.09	0.53			260	ND	0.16	0.03	0.21
MW5A	6/16/09	ND	ND	0.15		0.08	0.23			250	ND	0.15	ND	0.170
MW5A	9/22/09	ND	ND	0.72		ND	0.82			190	0.03	0.06		
MW5A	12/15/09	ND	ND	0.60		ND	0.70			230	ND	0.08		
MW5A	3/22/10	13	ND	0.39		0.10	0.48			310	ND	0.18		
MW5A	6/22/10	ND	ND	0.44		ND	0.47			240	ND	0.19		
MW5A	9/22/10	ND	ND	0.28		ND	0.31			320	ND	0.26		
MW5A	12/13/10	2		0.08		ND	0.11			280	ND	0.16		
MW5A	3/29/11	23		0.03		ND	0.06			310	ND	0.32		
MW5A	6/22/11	ND		0.12		0.26	0.38			280	ND	0.28		
MW5A	9/13/11	ND		0.44		ND	0.47			220	0.07	0.36		

DELLAVALLE™
LABORATORY INC

Historical Quarterly Groundwater Quality Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Total Coliform Bacteria (TCO)	Fecal Coliform Bacteria (FCO)	Nitrate as N (NO_3-N)	Ammonia as N (NH_4-N)	Total Kjeldahl Nitrogen (TKN)	Total Nitrogen (TN)	EC	pH	Total Dissolved Solids (TDS)	Dissolved Iron	Dissolved Manganese	Total Iron	Total Manganese
Method/Analysis		SM 9221 B	SM 9221 E	EPA 300.0	SM 4500 - NH_3 H	SM 4500 - NH_3 C	calculation	SM 2510 B	SM 4500-H+	SM 2540 C	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7
Units:		MPN/100ml	MPN/100ml	mg/L	mg/L	mg/L	mg/L		std units	mg/L	mg/L	mg/L	mg/L	mg/L
MCL		**2.2**	**2.2**	**10**						**500**	**0.3**	**0.05**	**0.3**	**0.05**
MW5A	12/14/11	ND	ND	0.83		ND	0.86			230	ND	0.23		
MW5A	3/21/12	140		0.32		ND	0.35			250	ND	0.28		
MW5A	6/26/12	2	ND	0.24		ND	0.27			250	0.01	0.31		
MW5A	9/27/12	ND		0.30		ND	0.33			230	0.01	0.30		
MW5A	12/19/12	11		0.37		0.09	0.46			250	ND	0.36		
MW5A	3/11/13	9		0.59		ND	0.63			230	ND	0.28		
MW5A	6/27/13	ND		0.70		0.10	0.80			210	ND	0.10		
MW5A	9/12/13	ND		0.66	0.02		0.68			210	ND	0.06		
MW5A	12/12/13	ND		0.19	ND	0.08	0.26			230	0.10	0.12		
MW5A	3/4/14	9		0.27	0.05		0.30			230	ND	0.09		
MW5A	6/17/14	ND		0.20	ND		0.20			220	ND	0.13		
MW5A	9/18/14	ND		0.41	ND		0.40			200	ND	0.07		
MW5A	12/18/14	30		0.50	ND	0.05	0.55			240	ND	0.04		
MW5A	3/24/15	ND		1.20	ND		1.20			270	ND	0.11		
MW5A	6/11/15	ND		0.84	ND		0.90			280	ND	0.12		
MW5A	9/17/15	ND		0.87	ND		0.90			250	ND	0.04		

DELLAVALLE™
LABORATORY INC

Historical Quarterly Groundwater Quality Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Total Coliform Bacteria (TCO)	Fecal Coliform Bacteria (FCO)	Nitrate as N (NO_3-N)	Ammonia as N (NH_4-N)	Total Kjeldahl Nitrogen (TKN)	Total Nitrogen (TN)	EC	pH	Total Dissolved Solids (TDS)	Dissolved Iron	Dissolved Manganese	Total Iron	Total Manganese
Method/Analysis		SM 9221 B	SM 9221 E	EPA 300.0	SM 4500 - NH_3 H	SM 4500 - NH_3 C	calculation	SM 2510 B	SM 4500-H+	SM 2540 C	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7
Units:		MPN/100ml	MPN/100ml	mg/L	mg/L	mg/L	mg/L		std units	mg/L	mg/L	mg/L	mg/L	mg/L
MCL		**2.2**	**2.2**	**10**						**500**	**0.3**	**0.05**	**0.3**	**0.05**
MW5A	12/16/15	ND		1.50	ND	0.17	1.60			290	0.06	0.04		
MW5A	3/29/16	14		3.00	ND		3.00			310	ND	0.10		
MW5A	6/21/16	ND		3.60	ND		3.60			300	ND	0.14		
MW5A	9/8/16	ND		2.50	ND		2.50			280	ND	0.12		
MW5A	12/8/16	14		1.80	ND	ND	1.90			280	ND	0.09		
MW5A	3/9/17	8		1.90	0.03		1.90			320	ND	0.10		
MW5A	6/14/17	ND		ND	0.03		0.030			290	ND	0.33		
MW5A	9/13/17	ND		3.40	ND		3.40			340	ND	0.31		
MW5A	12/5/17	ND		3.20	0.04	0.11	3.40			270	ND	0.24		
MW5A	3/9/18	ND		1.80	0.08		1.80			270	ND	0.19		
MW5A	6/15/18	7	ND	1.10	ND		1.10			270	ND	0.18		
MW5A	9/17/18	ND		1.70	0.07		1.80			250	0.05	0.17		
MW5A	12/17/18	33		0.99	0.07		1.10			250	ND	0.06		
MW5A	3/18/19	49		1.70	ND		1.70			290	ND	0.13		
MW5A	5/13/19	49		0.05	0.07		0.10			280	ND	0.24		
MW5A	9/16/19	350		1.50	ND		1.50			250	ND	0.21		

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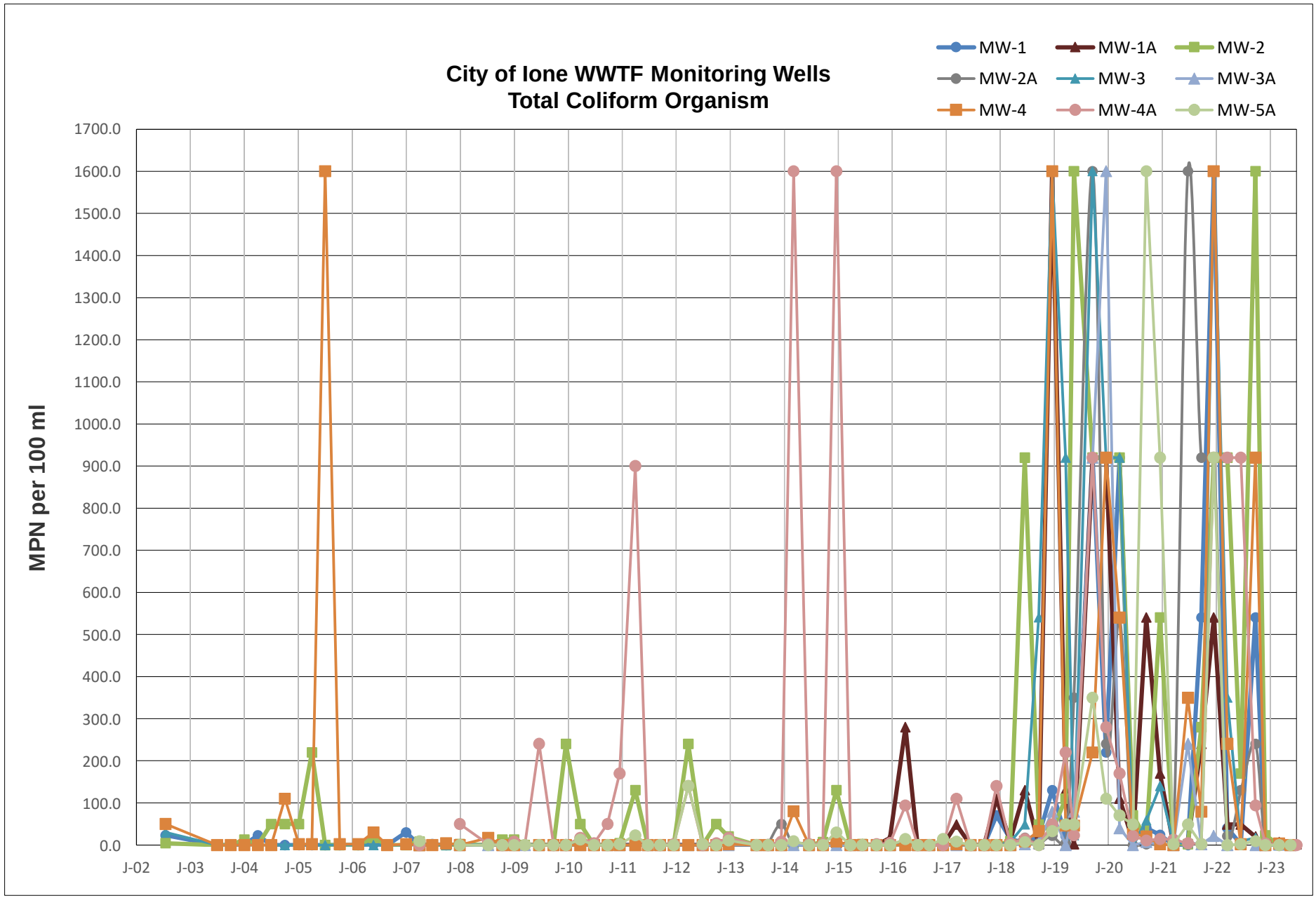
Historical Quarterly Groundwater Quality Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Total Coliform Bacteria (TCO)	Fecal Coliform Bacteria (FCO)	Nitrate as N (NO_3-N)	Ammonia as N (NH_4-N)	Total Kjeldahl Nitrogen (TKN)	Total Nitrogen (TN)	EC	pH	Total Dissolved Solids (TDS)	Dissolved Iron	Dissolved Manganese	Total Iron	Total Manganese
Method/Analysis		SM 9221 B	SM 9221 E	EPA 300.0	SM 4500 - NH_3 H	SM 4500 - NH_3 C	calculation	SM 2510 B	SM 4500-H+	SM 2540 C	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7
Units:		MPN/100ml	MPN/100ml	mg/L	mg/L	mg/L	mg/L		std units	mg/L	mg/L	mg/L	mg/L	mg/L
MCL		**2.2**	**2.2**	**10**						**500**	**0.3**	**0.05**	**0.3**	**0.05**
MW5A	12/16/19	110		0.73	ND	0.11	0.84			250	ND	0.24		
MW5A	3/16/20	70		0.73	ND		0.73			230	ND	0.22		
MW5A	6/16/20	49		0.14	0.12		0.26			310	ND	0.29		
MW5A	9/14/20	1600		0.38	ND		0.38			220	ND	0.17		
MW5A	12/15/20	920		1.10	0.09		1.50			200	ND	0.13		
MW5A	3/17/21	2		1.70	ND		1.70			250	ND	0.15		
MW5A	6/22/21	49		0.81	0.09		0.90			240	ND	0.11		
MW5A	9/21/21	2		0.66	0.16		0.80			210	ND	0.07		
MW5A	12/14/21	920		1.50	ND		1.70			250	ND	0.07		
MW5A	3/15/22	ND		2.10	ND		2.10			270	ND	0.24		
MW5A	6/15/22	2		0.99	0.07		1.10			260	ND	0.30		
MW5A	9/22/22	9		0.73	ND		0.80			230	ND	0.09		
MW5A	11/28/22	<1.1		0.70	ND	ND	ND	363	7.0	187	ND	0.23		
MW5A	3/2/23	>23		0.5	ND		0.50	462	6.8	267	ND	0.14		
MW5A	5/17/23	<1.1		1.9	ND		1.90	475	6.7	233	ND	0.26		

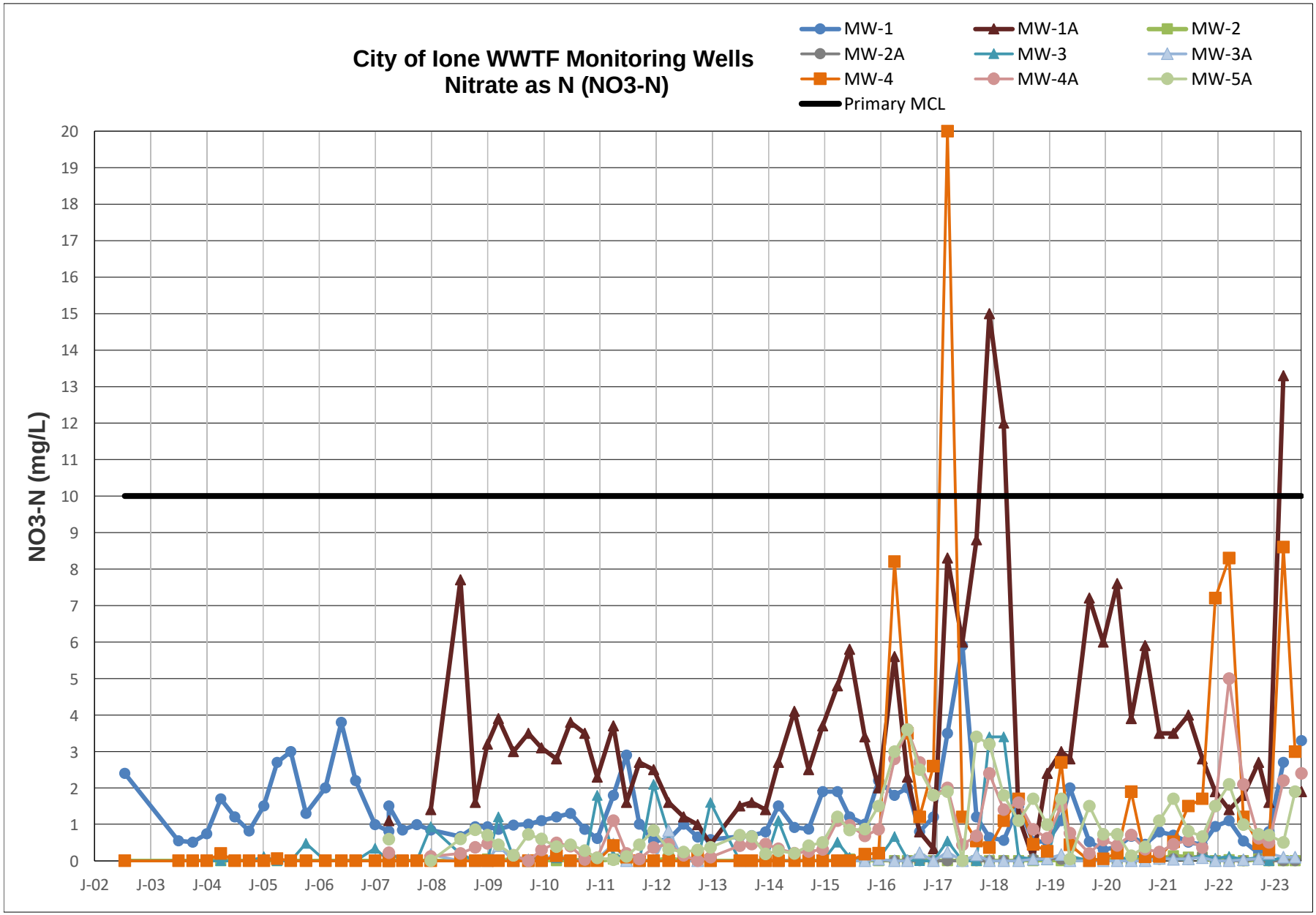
NM - Not Measured

ND - Not Detected

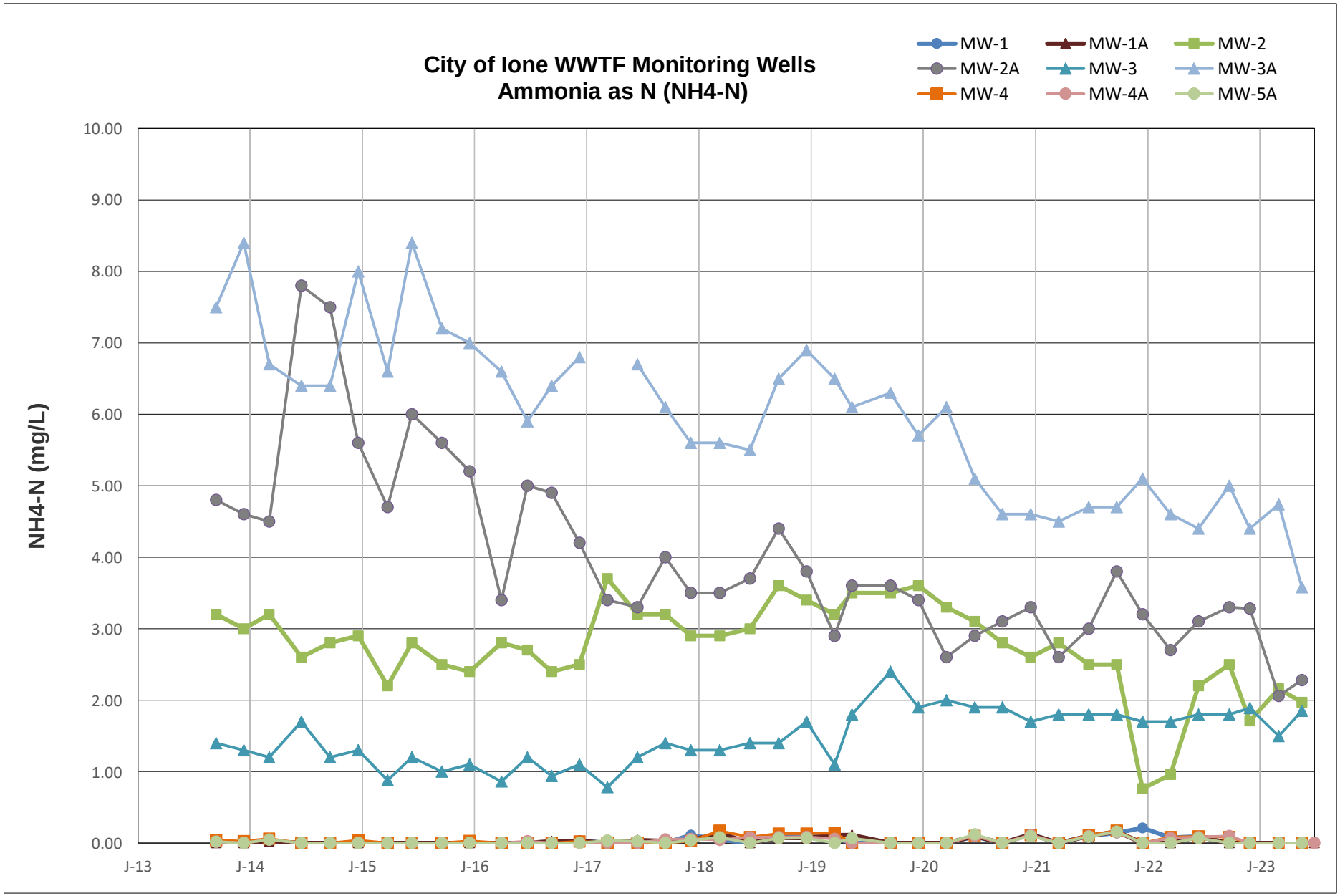
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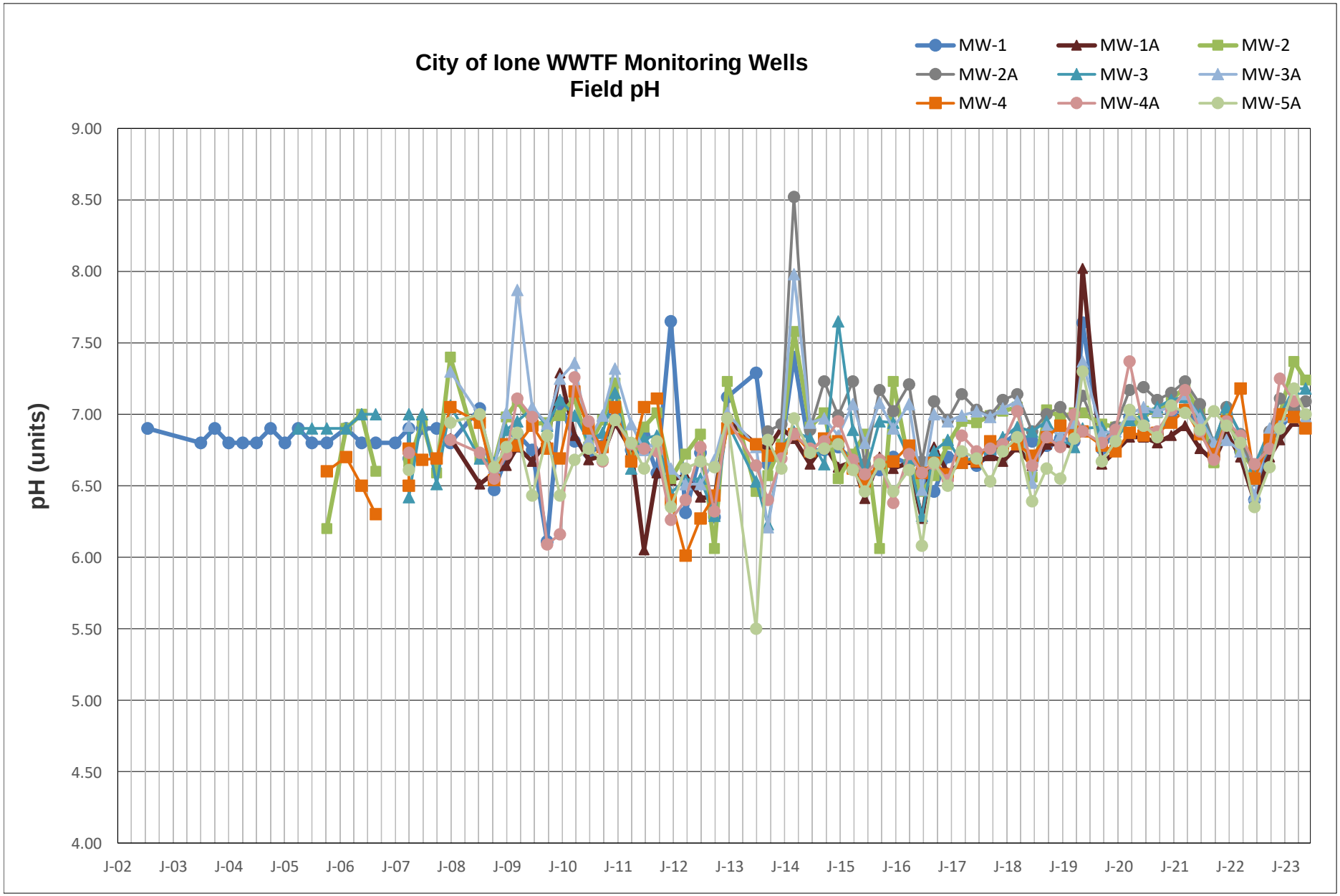
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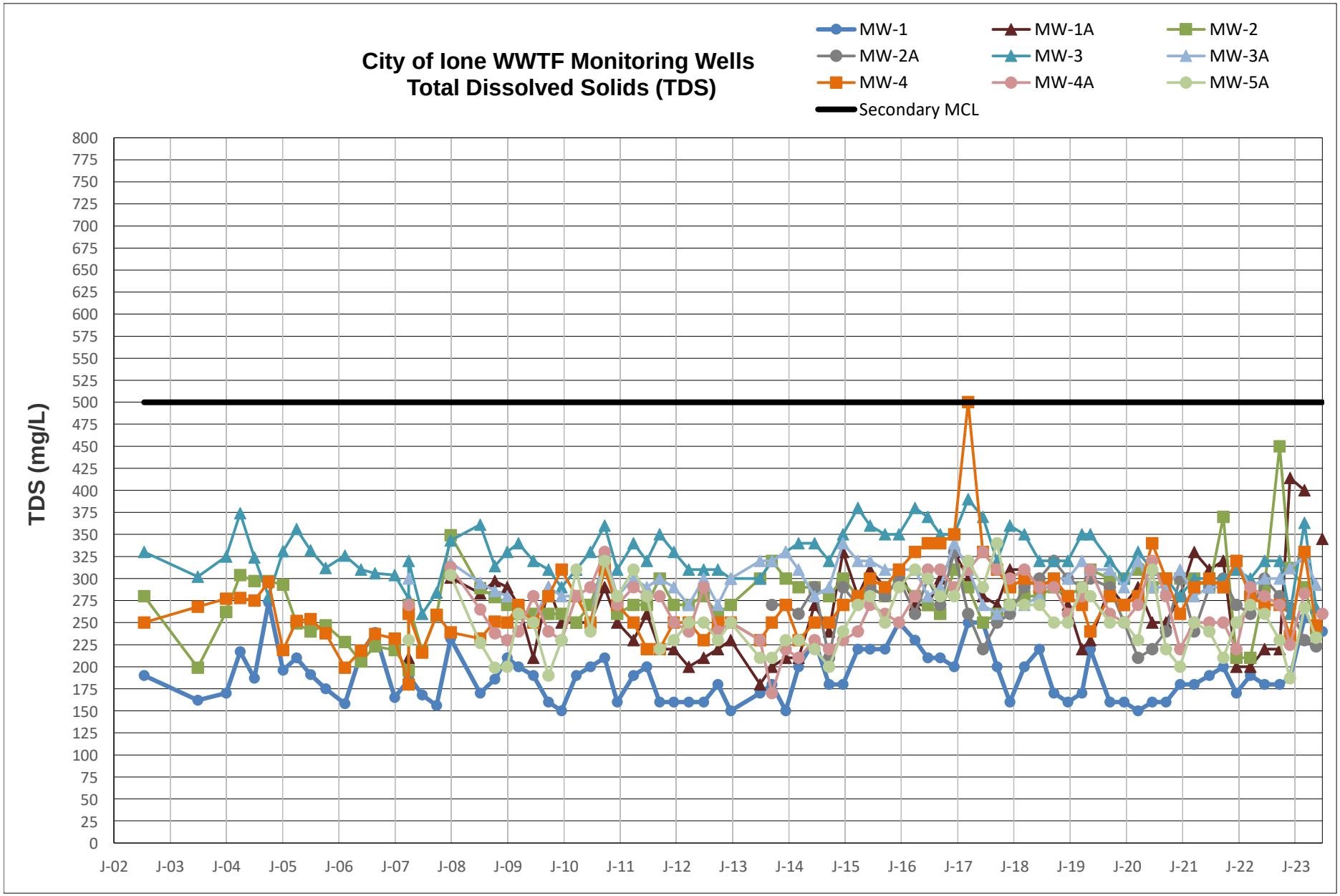
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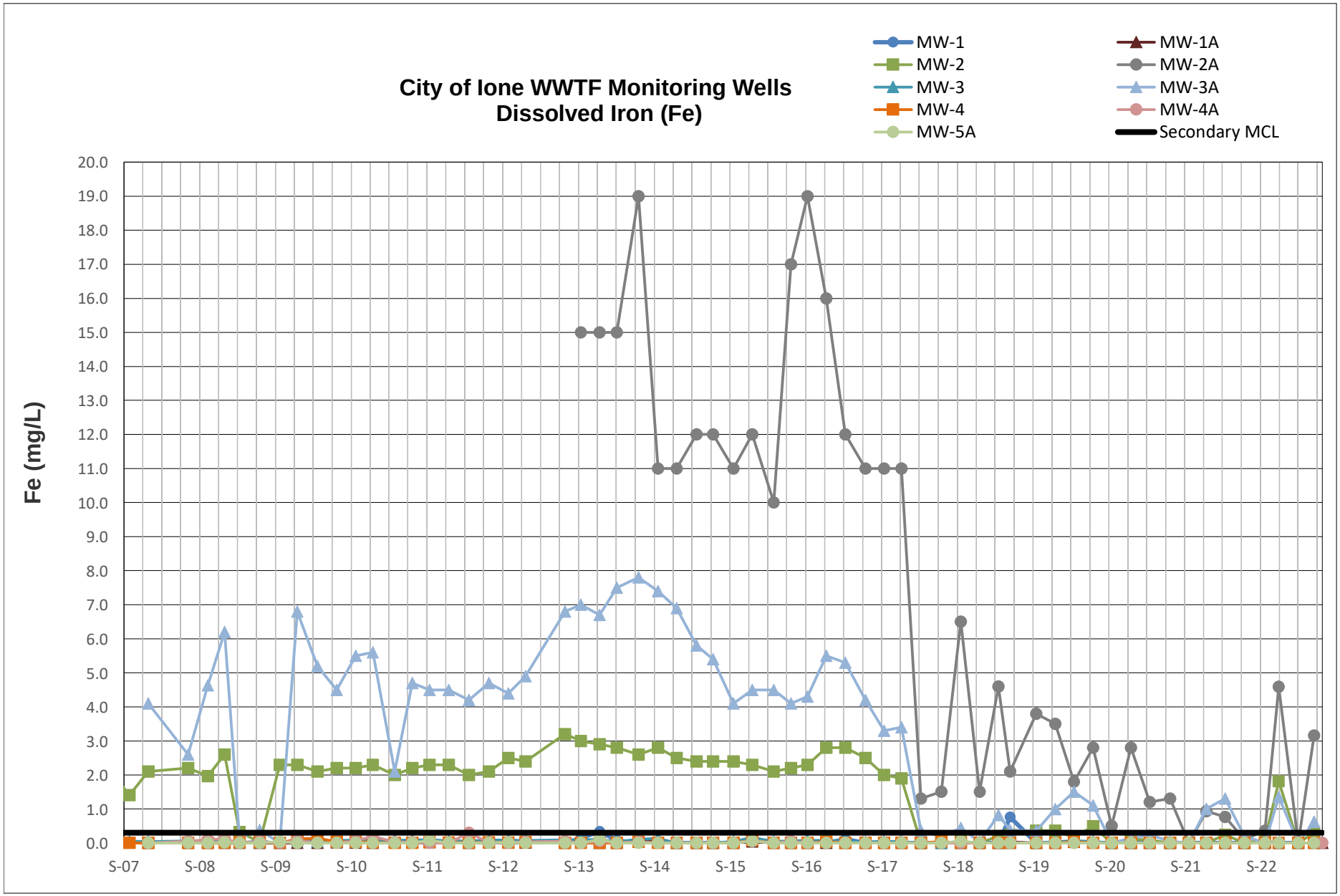
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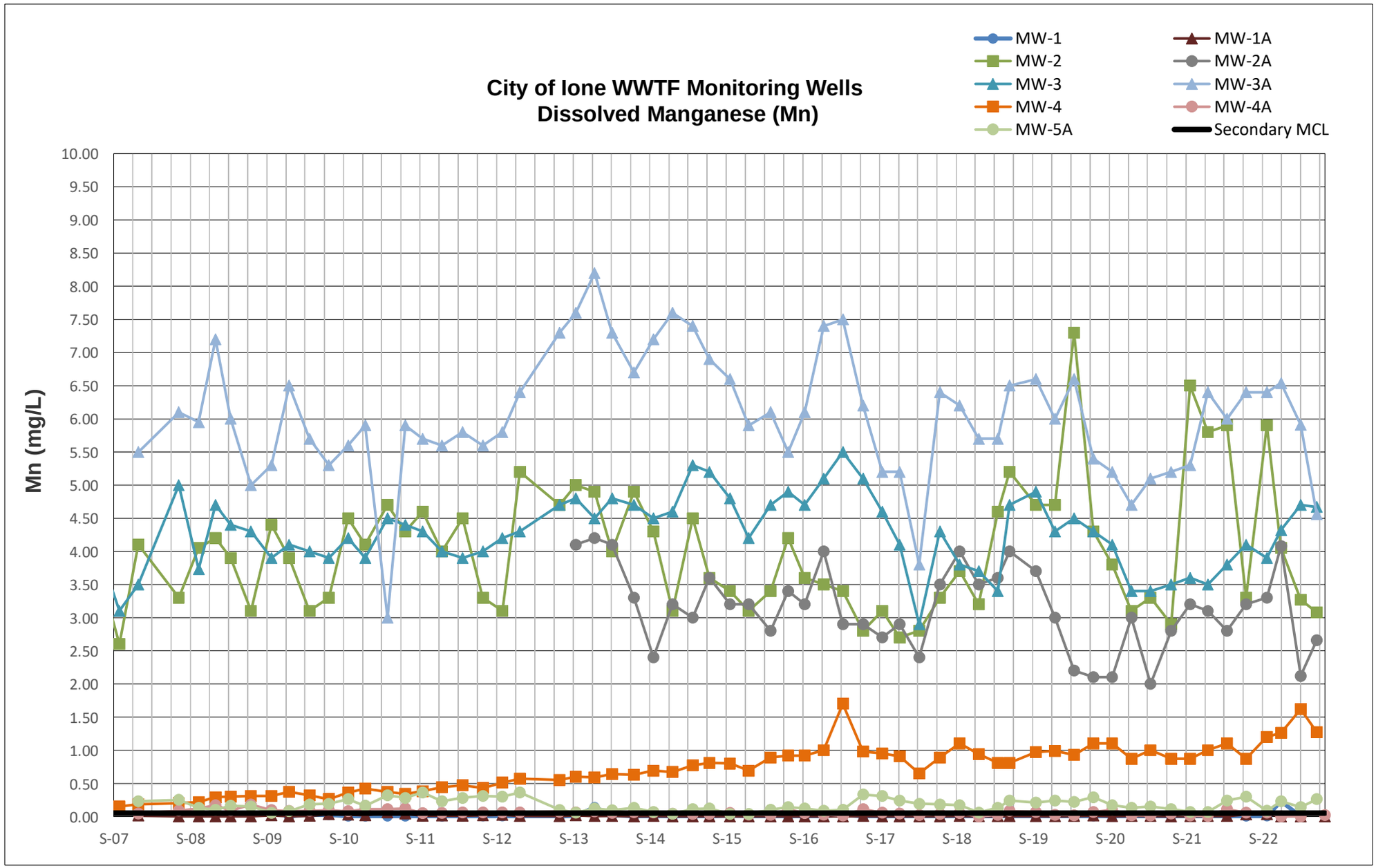
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Attachment 5
Historical Annual Standard Minerals Groundwater Quality Data

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Historical Annual Standard Minerals Groundwater Quality Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Total Calcium	Dissolved Calcium	Dissolved Magnesium	Total Sodium	Dissolved Sodium	Total Potassium	Dissolved Potassium	Total Boron	Dissolved Boron	Dissolved Aluminum	Total Arsenic	Dissolved Arsenic	Chloride	Sulfate	Bicarbonate Alkalinity (CaCO3)	Carbonate Alkalinity (CaCO3)	Hydroxide Alkalinity (CaCO3)	Total Alkalinity (CaCO3)	Hardness
Method/Analysis		EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.8	EPA 200.8	EPA 300.0	EPA 300.0	SM 2320-B	SM 2320-B	SM 2320-B	SM 2320-B	calculation
Units:		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MCL											**0.2**	**0.010**	**0.010**	**250**	**250**					
MW1	7/16/02	33.0			10.0		1.40							6.3	23.0	92	ND	ND	92	140
MW1	6/30/03	28.0			8.7		1.17		ND					6.6	24.0	101	ND	ND	101	115
MW1	9/30/03	27.0			8.2		1.24		ND					6.7	22.0	101	ND	ND	101	108
MW1	12/31/03	31.0			8.6		1.22		ND					8.5	19.0	108	ND	ND	108	122
MW1	3/31/04	33.0			9.2		1.25		ND					8.4	30.0	110	ND	ND	110	132
MW1	6/30/04	29.0			8.8		1.19		ND					7.2	28.0	101	ND	ND	101	116
MW1	10/1/04	32.0			14.0		1.66		0.100					9.9	23.0	110	ND	ND	110	132
MW1	10/12/04	32.0			9.2		1.52		ND					8.3	26.0	102	ND	ND	102	124
MW1	1/4/05	33.0			9.6		1.46		ND			ND		9.8	24.0	112	ND	ND	112	136
MW1	4/1/05	34.0			9.2		1.28		ND			ND		8.9	32.0	108	ND	ND	108	146
MW1	6/30/05	32.0			9.0		1.27		0.050			ND		8.1	30.0	99	ND	ND	99	132
MW1	10/11/05	33.0			9.9		1.30		ND			ND		7.0	30.0	105	ND	ND	105	133
MW1	2/9/06	32.0			10.7		1.40		0.090			ND		9.0	25.0	110	ND	ND	110	134
MW1	5/23/06	37.0			9.5		1.26		ND			ND		7.2	25.0	106	ND	ND	106	143
MW1	8/24/06	37.0			11.0		1.60		0.050			ND		8.0	29.0	110	ND	ND	110	145
MW1	12/12/06	32.0			9.5		1.40		0.060			ND		6.8	21.0	100	ND	ND	100	124
MW1	3/13/07	28.0			8.4		1.22		0.060			ND		7.5	23.0	93	ND	ND	93	124
MW1	6/25/07	29.0			8.9		1.20		0.064			ND		6.3	25.0	82	ND	ND	82	113
MW1	9/27/07	28.0			9.8		1.40		ND			ND		6.7	22.0	84	ND	ND	84	113
MW1	12/27/07	30.0			9.8		1.50		0.054			ND		10.0	23.0	92	ND	ND	92	122
MW1	7/7/08	28.0			8.9		1.40		0.068			ND		8.8	28.0	90	ND	ND	90	110
MW1	10/10/08	29.0			8.5		1.30		0.061			ND		9.3	23.0	100	ND	ND	100	119
MW1	12/29/08	35.0		14.0	11.0		1.50		0.059			ND		13.0	23.0	110	ND	ND	110	140

DELLAVALLE LABORATORY INC

Historical Annual Standard Minerals Groundwater Quality Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Total Calcium	Dissolved Calcium	Dissolved Magnesium	Total Sodium	Dissolved Sodium	Total Potassium	Dissolved Potassium	Total Boron	Dissolved Boron	Dissolved Aluminum	Total Arsenic	Dissolved Arsenic	Chloride	Sulfate	Bicarbonate Alkalinity (CaCO3)	Carbonate Alkalinity (CaCO3)	Hydroxide Alkalinity (CaCO3)	Total Alkalinity (CaCO3)	Hardness
Method/Analysis		EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.8	EPA 200.8	EPA 300.0	EPA 300.0	SM 2320-B	SM 2320-B	SM 2320-B	SM 2320-B	calculation
Units:		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MCL											**0.2**	**0.010**	**0.010**	**250**	**250**					
MW1	3/11/09	34.0		14.0	9.9		1.30		0.046			0.008		9.0	25.0	100	ND	ND	100	140
MW1	6/16/09	32.0		13.0	10.0		1.40		0.057			ND		8.2	30.0	96	ND	ND	96	130
MW1	12/15/09		27.0	11.0		8.3		1.20		0.054				6.9	18.0	93	ND	ND	93	110
MW1	12/13/10		27.0	11.0		9.3		1.20		0.060				6.2	20.0	99	ND	ND	99	110
MW1	12/14/11		28.0	11.0		9.4		1.30		0.056				6.5	18.0	110	ND	ND	110	120
MW1	12/19/12		26.0	10.0		8.3		1.10		0.049				5.7	19.0	88	ND	ND	88	110
MW1	12/12/13		29.0	11.0		8.4		1.20		0.053	ND		ND	7.6	19.0	100	ND	ND	100	120
MW1	12/18/14		29.0	12.0		9.1		1.30		0.048	ND		ND	9.5	16.0	87	ND	ND	87	120
MW1	12/16/15		37.0	15.0		10.0		1.30		0.047	ND		0.00040	30.0	30.0	110	ND	ND	110	150
MW1	12/8/16		35.0	14.0		13.0		1.40		0.061	ND		ND	10.0	23.0	110	ND	ND	110	150
MW1	12/5/17		31.0	12.0		10.0		1.30		0.062	ND		ND	10.0	19.0	110	ND	ND	110	130
MW1	12/17/18		24.0	9.5		8.6		1.10		0.038	0.017		ND	7.4	17.0	90	ND	ND	90	100
MW1	12/16/19		28.0	10.0		9.3		1.20		0.049	0.023		ND	6.8	15.0	110	ND	ND	110	110
MW1	12/15/20		27.0	11.0		9.4		1.30		0.059	0.013		0.00094	13.0	14.0	95	ND	ND	95	110
MW1	12/14/21		30.0	11.0		9.5		1.30		0.044	0.008		ND	9.0	19.0	100	ND	ND	100	120
MW1	11/28/22		35.4	13.4		12.0		1.35		0.060	ND		ND	24.0	23.8	105	ND	ND	105	143

NM - Not Measured
ND - Not Detected

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Historical Annual Standard Minerals Groundwater Quality Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Total Calcium	Dissolved Calcium	Dissolved Magnesium	Total Sodium	Dissolved Sodium	Total Potassium	Dissolved Potassium	Total Boron	Dissolved Boron	Dissolved Aluminum	Total Arsenic	Dissolved Arsenic	Chloride	Sulfate	Bicarbonate Alkalinity (CaCO3)	Carbonate Alkalinity (CaCO3)	Hydroxide Alkalinity (CaCO3)	Total Alkalinity (CaCO3)	Hardness
Method/Analysis		EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.8	EPA 200.8	EPA 300.0	EPA 300.0	SM 2320-B	SM 2320-B	SM 2320-B	SM 2320-B	calculation
Units:		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MCL											**0.2**	**0.010**	**0.010**	**250**	**250**					
MW1A	12/26/07	40.0			85.0		1.10		0.100			ND		29.0	19.0	122	ND	ND	122	162
MW1A	7/7/08	47.0			19.0		0.86		0.082			ND		16.0	24.0	145	ND	ND	145	179
MW1A	10/10/08	44.0			26.0		1.30		0.110			0.002		44.0	17.0	138	ND	ND	138	170
MW1A	12/30/08	48.0		17.0	27.0		1.50		0.110			ND		28.0	20.0	160	ND	ND	160	190
MW1A	3/12/09	51.0		17.0	19.0		1.00		0.082			0.009		14.0	23.0	150	ND	ND	150	200
MW1A	6/16/09	40.0		15.0	15.0		0.97		0.078			ND		9.4	24.0	120	ND	ND	120	160
MW1A	12/15/09		45.0	17.0		26.0		0.91		0.110				36.0	15.0	150	ND	ND	150	180
MW1A	12/13/10		39.0	14.0		16.0		0.86		0.086				22.0	18.0	130	ND	ND	130	160
MW1A	12/14/11		34.0	13.0		12.0		0.84		0.067				8.8	24.0	110	ND	ND	110	140
MW1A	12/19/12		39.0	14.0		20.0		0.84		0.080				35.0	17.0	120	ND	ND	120	160
MW1A	12/11/13		34.0	12.0		12.0		0.79		0.066	ND		ND	12.0	22.0	110	ND	ND	110	130
MW1A	12/18/14		50.0	19.0		25.0		0.86		0.110	ND		ND	40.0	48.0	110	ND	ND	110	200
MW1A	12/15/15		42.0	15.0		24.0		0.66		0.110	ND		0.0004	60.0	33.0	110	ND	ND	110	170
MW1A	12/8/16		51.0	18.0		33.0		0.83		0.130	ND		ND	56.0	0.3	140	ND	ND	140	200
MW1A	12/6/17		50.0	18.0		25.0		0.71		0.100	ND		ND	30.0	15.0	130	ND	ND	130	200
MW1A	12/17/18		39.0	14.0		32.0		0.90		0.100	ND		ND	34.0	2.4	150	ND	ND	150	160
MW1A	12/16/19		45.0	15.0		30.0		0.61		0.100	ND		ND	39.0	6.0	140	ND	ND	140	180
MW1A	12/15/20		42.0	16.0		26.0		0.56		0.085	ND		ND	40.0	3.5	130	ND	ND	130	170
MW1A	12/14/21		33.0	12.0		19.0		0.76		0.078	ND		ND	16.0	1.9	110	ND	ND	110	130
MW1A	11/28/22		36.3	12.9		23.0		0.67		0.100	ND		ND	26.3	28.0	118	ND	ND	118	144

NM - Not Measured
ND - Not Detected

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Historical Annual Standard Minerals Groundwater Quality Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Total Calcium	Dissolved Calcium	Dissolved Magnesium	Total Sodium	Dissolved Sodium	Total Potassium	Dissolved Potassium	Total Boron	Dissolved Boron	Dissolved Aluminum	Total Arsenic	Dissolved Arsenic	Chloride	Sulfate	Bicarbonate Alkalinity (CaCO3)	Carbonate Alkalinity (CaCO3)	Hydroxide Alkalinity (CaCO3)	Total Alkalinity (CaCO3)	Hardness
Method/Analysis		EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.8	EPA 200.8	EPA 300.0	EPA 300.0	SM 2320-B	SM 2320-B	SM 2320-B	SM 2320-B	calculation
Units:		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MCL											**0.2**	**0.010**	**0.010**	**250**	**250**					
MW2	7/16/02	42.0			45.0		4.50							31.0	21.0	170	ND	ND	170	170
MW2	6/30/03	34.0			36.0		4.02		0.01					32.0	11.0	178	ND	ND	178	142
MW2	9/30/03	34.0			36.0		3.96		0.26					32.0	7.7	200	ND	ND	200	151
MW2	12/31/03	34.0			36.0		4.44		0.22					32.0	5.9	198	ND	ND	198	155
MW2	3/31/04	36.0			38.0		4.42		0.21					35.0	4.9	198	ND	ND	198	167
MW2	6/30/04	37.0			39.0		4.34		0.25					34.0	5.9	198	ND	ND	198	159
MW2	10/1/04	41.0			40.0		4.37		0.26					36.0	5.6	214	ND	ND	214	167
MW2	1/4/05	36.0			39.0		4.88		0.23			0.0073		36.0	10.0	191	ND	ND	191	149
MW2	4/1/05	32.0			33.0		4.04		0.20			0.0046		34.0	16.0	156	ND	ND	156	130
MW2	6/30/05	30.0			31.0		3.93		0.20			0.0051		30.0	18.0	137	ND	ND	137	124
MW2	10/14/05	30.0			36.0		4.20		0.22			0.0061		34.0	16.0	137	ND	ND	137	125
MW2	2/10/06	25.0			34.1		3.04		0.26			0.0050		34.0	16.0	114	ND	ND	114	103
MW2	5/23/06	24.0			29.1		3.64		0.17			0.0055		27.0	18.0	103	ND	ND	103	95
MW2	8/24/06	22.0			32.0		3.50		0.15			0.0057		25.0	14.0	110	ND	ND	110	96
MW2	12/12/06	24.0			34.0		4.40		0.22			0.0064		29.0	9.2	116	ND	ND	116	96
MW2	3/13/07	22.0			32.6		3.97		0.19			0.0053		33.0	10.0	112	ND	ND	112	96
MW2	6/25/07	22.0			31.0		3.60		0.17			0.0042		30.0	14.0	103	ND	ND	103	96
MW2	9/27/07	25.0			36.0		4.00		0.16			0.0064		30.0	12.0	111	ND	ND	111	101
MW2	12/26/07	36.0			40.0		4.80		0.19			0.0065		35.0	59.0	111	ND	ND	111	145
MW2	7/7/08	33.0			39.0		4.30		0.15			0.0067		34.0	56.0	119	ND	ND	119	136
MW2	10/10/08	32.0			36.0		4.20		0.17			0.0050		41.0	35.0	136	ND	ND	136	138
MW2	12/30/08	36.0		12.0	44.0		4.90		0.21			0.0130		40.0	30.0	140	ND	ND	140	140
MW2	3/12/09	32.0		11.0	41.0		4.60		0.21			0.0110		42.0	18.0	140	ND	ND	140	120
MW2	6/16/09	39.0		21.0	42.0		6.60		0.19			0.0330		39.0	13.0	140	ND	ND	140	180

DELLAVALLE™
LABORATORY INC

Historical Annual Standard Minerals Groundwater Quality Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Total Calcium	Dissolved Calcium	Dissolved Magnesium	Total Sodium	Dissolved Sodium	Total Potassium	Dissolved Potassium	Total Boron	Dissolved Boron	Dissolved Aluminum	Total Arsenic	Dissolved Arsenic	Chloride	Sulfate	Bicarbonate Alkalinity (CaCO3)	Carbonate Alkalinity (CaCO3)	Hydroxide Alkalinity (CaCO3)	Total Alkalinity (CaCO3)	Hardness
Method/Analysis		EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.8	EPA 200.8	EPA 300.0	EPA 300.0	SM 2320-B	SM 2320-B	SM 2320-B	SM 2320-B	calculation
Units:		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MCL											**0.2**	**0.010**	**0.010**	**250**	**250**					
MW2	12/15/09		30.0	10.0		37.0		4.80		0.22				43.0	11.0	130	ND	ND	130	120
MW2	12/13/10		30.0	9.6		43.0		4.50		0.22				41.0	5.9	160	ND	ND	160	110
MW2	12/14/11		31.0	10.0		44.0		4.70		0.20				37.0	7.3	170	ND	ND	170	120
MW2	12/19/12		34.0	11.0		44.0		5.00		0.18				42.0	6.6	180	ND	ND	180	130
MW2	12/11/13		36.0	12.0		45.0		4.60		0.17	ND		ND	53.0	7.4	190	ND	ND	190	140
MW2	12/18/14		35.0	13.0		45.0		5.00		0.16	0.0340		ND	47.0	30.0	140	ND	ND	140	140
MW2	12/15/15		29.0	10.0		39.0		4.10		0.16	ND		0.00650	45.0	24.0	130	ND	ND	130	110
MW2	12/8/16		36.0	13.0		48.0		4.90		0.20	0.03		0.00670	47.0	21.0	140	ND	ND	140	140
MW2	12/6/17		27.0	8.9		38.0		4.20		0.16	ND		0.00580	35.0	23.0	110	ND	ND	110	100
MW2	12/17/18		33.0	11.0		42.0		4.50		0.14	0.0062		0.00190	41.0	20.0	160	ND	ND	160	130
MW2	12/16/19		35.0	11.0		45.0		4.90		0.16	ND		0.00460	42.0	15.0	190	ND	ND	190	130
MW2	12/15/20		29.0	10.0		39.0		4.20		0.15	ND		0.00320	45.0	29.0	130	ND	ND	130	110
MW2	12/14/21		31.0	10.0		23.0		3.50		0.09	ND		0.00070	15.0	26.0	130	ND	ND	130	120
MW2	11/28/22		47.6	15.7		45.0		4.78		0.16	ND		0.00072	56.3	46.0	153	ND	ND	153	184

NM - Not Measured
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DELLAVALLE™
LABORATORY INC

Historical Annual Standard Minerals Groundwater Quality Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Total Calcium	Dissolved Calcium	Dissolved Magnesium	Total Sodium	Dissolved Sodium	Total Potassium	Dissolved Potassium	Total Boron	Dissolved Boron	Dissolved Aluminum	Total Arsenic	Dissolved Arsenic	Chloride	Sulfate	Bicarbonate Alkalinity (CaCO3)	Carbonate Alkalinity (CaCO3)	Hydroxide Alkalinity (CaCO3)	Total Alkalinity (CaCO3)	Hardness
Method/Analysis		EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.8	EPA 200.8	EPA 300.0	EPA 300.0	SM 2320-B	SM 2320-B	SM 2320-B	SM 2320-B	calculation
Units:		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MCL											**0.2**	**0.010**	**0.010**	**250**	**250**					
MW3	7/16/02	59.0			48.0		3.50							32.0	20.0	210	ND	ND	210	230
MW3	6/30/03	50.0			40.0		2.82		0.26					33.0	22.0	226	ND	ND	226	207
MW3	9/30/03	47.0			38.0		2.60		0.24					34.0	18.0	230	ND	ND	230	201
MW3	12/31/03	59.0			40.0		2.84		0.26					33.0	12.0	258	ND	ND	258	224
MW3	3/31/04	58.0			39.0		2.75		0.30					33.0	10.0	260	ND	ND	260	217
MW3	6/30/04	51.0			40.0		2.63		0.26					31.0	7.9	238	ND	ND	238	202
MW3	10/1/04	49.0			38.0		2.59		0.28					33.0	6.2	218	ND	ND	218	191
MW3	1/4/05	55.0			42.0		3.29		0.24			ND		34.0	4.3	265	ND	ND	265	208
MW3	4/1/05	56.0			40.0		2.71		0.25			ND		36.0	6.1	252	ND	ND	252	216
MW3	6/30/05	53.0			36.0		2.84		0.22			ND		34.0	7.0	232	ND	ND	232	208
MW3	10/14/05	49.0			38.0		2.80		0.20			ND		32.0	8.1	215	ND	ND	215	192
MW3	2/13/06	48.0			40.0		3.02		0.28			0.001		30.0	7.7	220	ND	ND	220	188
MW3	5/23/06	49.0			35.6		2.85		0.21			ND		29.0	7.0	211	ND	ND	211	195
MW3	8/25/06	45.0			36.0		2.60		0.20			ND		29.0	8.4	192	ND	ND	192	179
MW3	12/12/06	48.0			37.0		2.80		0.21			ND		26.0	6.3	197	ND	ND	197	185
MW3	3/13/07	46.0			34.0		2.95		0.20			ND		28.0	5.5	190	ND	ND	190	182
MW3	6/25/07	39.0			34.0		2.50		0.19			ND		28.0	7.0	160	ND	ND	160	145
MW3	9/27/07	39.0			37.0		2.50		0.18			ND		30.0	6.4	159	ND	ND	159	153
MW3	12/31/07	48.0			38.0		2.60		0.22			ND		29.0	13.0	176	ND	ND	176	186
MW3	7/7/08	53.0			44.0		3.20		0.18			0.003		37.0	23.0	205	ND	ND	205	199
MW3	10/10/08	46.0			34.0		2.50		0.18			ND		38.0	31.0	178	ND	ND	178	186
MW3	12/30/08	55.0		16.0	44.0		3.00		0.23			0.011		37.0	25.0	200	ND	ND	200	200
MW3	3/12/09	54.0		16.0	42.0		2.90		0.23			0.017		39.0	20.0	200	ND	ND	200	200
MW3	6/16/09	44.0		14.0	42.0		3.20		0.21			ND		40.0	15.0	200	ND	ND	200	170

DELLAVALLE™
LABORATORY INC

Historical Annual Standard Minerals Groundwater Quality Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Total Calcium	Dissolved Calcium	Dissolved Magnesium	Total Sodium	Dissolved Sodium	Total Potassium	Dissolved Potassium	Total Boron	Dissolved Boron	Dissolved Aluminum	Total Arsenic	Dissolved Arsenic	Chloride	Sulfate	Bicarbonate Alkalinity (CaCO3)	Carbonate Alkalinity (CaCO3)	Hydroxide Alkalinity (CaCO3)	Total Alkalinity (CaCO3)	Hardness
Method/Analysis		EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.8	EPA 200.8	EPA 300.0	EPA 300.0	SM 2320-B	SM 2320-B	SM 2320-B	SM 2320-B	calculation
Units:		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MCL											**0.2**	**0.010**	**0.010**	**250**	**250**					
MW3	12/15/09		48.0	14.0		42.0		2.60		0.21				39.0	8.3	200	ND	ND	200	180
MW3	12/14/10		45.0	13.0		40.0		2.70		0.21				36.0	4.1	200	ND	ND	200	170
MW3	12/14/11		47.0	14.0		41.0		2.90		0.20				38.0	4.3	210	ND	ND	210	170
MW3	12/18/12		46.0	14.0		43.0		2.90		0.19				38.0	3.3	220	ND	ND	220	170
MW3	12/12/13		47.0	14.0		41.0		2.90		0.18	ND		ND	48.0	3.0	220	ND	ND	220	180
MW3	12/18/14		52.0	16.0		47.0		3.00		0.18	ND		ND	41.0	17.0	210	ND	ND	210	200
MW3	12/16/15		44.0	13.0		40.0		2.80		0.16	ND		0.001	48.0	26.0	190	ND	ND	190	160
MW3	12/8/16		58.0	17.0		47.0		3.00		0.20	ND		0.00057	49.0	16.0	210	ND	ND	210	220
MW3	12/6/17		45.0	13.0		38.0		2.90		0.18	ND		ND	42.0	15.0	180	ND	ND	180	170
MW3	12/17/18		47.0	12.0		41.0		3.20		0.17	0.0100		0.0008	45.0	14.0	190	ND	ND	190	170
MW3	12/16/19		49.0	13.0		45.0		3.50		0.18	ND		ND	47.0	13.0	210	ND	ND	210	180
MW3	12/15/20		36.0	11.0		39.0		3.20		0.16	0.0120		0.0008	43.0	23.0	150	ND	ND	150	130
MW3	12/14/21		39.0	11.0		43.0		3.20		0.14	0.0048		ND	54.0	20.0	150	ND	ND	150	140
MW3	11/28/22		38.4	10.8		48.0		3.84		0.19	ND		0.00068	45.0	29.9	157	ND	ND	157	140

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Historical Annual Standard Minerals Groundwater Quality Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Total Calcium	Dissolved Calcium	Dissolved Magnesium	Total Sodium	Dissolved Sodium	Total Potassium	Dissolved Potassium	Total Boron	Dissolved Boron	Dissolved Aluminum	Total Arsenic	Dissolved Arsenic	Chloride	Sulfate	Bicarbonate Alkalinity (CaCO3)	Carbonate Alkalinity (CaCO3)	Hydroxide Alkalinity (CaCO3)	Total Alkalinity (CaCO3)	Hardness
Method/Analysis		EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.8	EPA 200.8	EPA 300.0	EPA 300.0	SM 2320-B	SM 2320-B	SM 2320-B	SM 2320-B	calculation
Units:		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MCL											**0.2**	**0.010**	**0.010**	**250**	**250**					
MW3A	12/26/07	35.0			38.0		5.40		0.20			0.011		33.0	21.0	152	ND	ND	152	141
MW3A	7/7/08	33.0			38.0		4.80		0.16			0.010		34.0	45.0	147	ND	ND	147	136
MW3A	10/10/08	38.0			37.0		5.20		0.19			0.013		39.0	19.0	188	ND	ND	188	150
MW3A	12/30/08	40.0		12.0	44.0				0.23			0.018		42.0	12.0	190	ND	ND	190	NM
MW3A	3/12/09	37.0		11.0	41.0		5.40		0.23			0.016		43.0	11.0	170	ND	ND	170	140
MW3A	6/16/09	35.0		11.0	43.0		5.00		0.22			ND		40.0	8.3	160	ND	ND	160	130
MW3A	12/15/09		38.0	11.0		44.0		5.30		0.24				45.0	3.1	190	ND	ND	190	140
MW3A	12/14/10		35.0	10.0		43.0		4.90		0.23				37.0	3.3	190	ND	ND	190	130
MW3A	12/14/11		33.0	9.8		43.0		5.00		0.20				34.0	3.8	190	ND	ND	190	120
MW3A	12/18/12		37.0	11.0		45.0		5.10		0.18				39.0	3.5	220	ND	ND	220	140
MW3A	12/11/13		47.0	14.0		46.0		6.00		0.20	ND		0.0110	47.0	2.7	250	ND	ND	250	170
MW3A	12/18/14		43.0	13.0		45.0		6.30		0.18	ND		ND	45.0	18.0	200	ND	ND	200	160
MW3A	12/16/15		33.0	10.0		39.0		5.10		0.17	ND		0.0120	48.0	21.0	170	ND	ND	170	120
MW3A	12/8/16		40.0	13.0		50.0		6.40		0.20	0.0230		0.0120	53.0	12.0	190	ND	ND	190	150
MW3A	12/5/17		30.0	8.9		40.0		5.00		0.21	ND		0.0110	41.0	19.0	150	ND	ND	150	110
MW3A	12/17/18		37.0	11.0		46.0		5.50		0.15	0.0031		0.0034	46.0	12.0	200	ND	ND	200	140
MW3A	12/16/19		36.0	10.0		45.0		5.10		0.18	0.0030		0.0060	44.0	12.0	200	ND	ND	200	130
MW3A	12/15/20		29.0	8.9		37.0		4.50		0.16	ND		0.0034	42.0	27.0	140	ND	ND	140	110
MW3A	12/14/21		40.0	11.0		44.0		5.50		0.16	ND		0.0029	43.0	60.0	150	ND	ND	150	150
MW3A	11/28/22		39.5	11.4		46.0		5.82		0.19	ND		0.0014	40.8	33.1	169	ND	ND	169	145

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LABORATORY INC

Historical Annual Standard Minerals Groundwater Quality Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Total Calcium	Dissolved Calcium	Dissolved Magnesium	Total Sodium	Dissolved Sodium	Total Potassium	Dissolved Potassium	Total Boron	Dissolved Boron	Dissolved Aluminum	Total Arsenic	Dissolved Arsenic	Chloride	Sulfate	Bicarbonate Alkalinity (CaCO3)	Carbonate Alkalinity (CaCO3)	Hydroxide Alkalinity (CaCO3)	Total Alkalinity (CaCO3)	Hardness
Method/Analysis		EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.8	EPA 200.8	EPA 300.0	EPA 300.0	SM 2320-B	SM 2320-B	SM 2320-B	SM 2320-B	calculation
Units:		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MCL											**0.2**	**0.010**	**0.010**	**250**	**250**					
MW4	7/16/02	46.0			21.0		ND							27.0	19.0	120	ND	ND	120	180
MW4	6/30/03	45.0			29.0		0.52		0.21					35.0	21.0	170	ND	ND	170	174
MW4	9/30/03	44.0			31.0		0.43		0.17					35.0	14.0	193	ND	ND	193	185
MW4	12/31/03	46.0			31.0		0.48		0.15					43.0	15.0	178	ND	ND	178	180
MW4	3/31/04	41.0			31.0		0.43		0.15					42.0	17.0	164	ND	ND	164	159
MW4	6/30/04	40.0			31.0		0.39		0.18					34.0	17.0	166	ND	ND	166	159
MW4	10/1/04	37.0			33.0		0.41		0.21					37.0	18.0	158	ND	ND	158	154
MW4	1/4/05	33.0			32.0		0.51		0.17			ND		32.0	16.0	137	ND	ND	137	130
MW4	4/1/05	33.0			31.0		0.38		0.16			ND		32.0	23.0	134	ND	ND	134	134
MW4	6/30/05	34.0			31.0		0.63		0.18			ND		33.0	16.0	138	ND	ND	138	132
MW4	10/7/05	38.0			37.0		0.55		0.18			ND		36.0	25.0	141	ND	ND	141	143
MW4	2/13/06	29.0			30.8		0.44		0.17			ND		31.0	25.0	106	ND	ND	106	112
MW4	5/23/06	32.0			27.6		0.66		0.11			ND		22.0	24.0	111	ND	ND	111	119
MW4	8/24/06	32.0			31.0		0.44		0.15			ND		25.0	24.0	121	ND	ND	121	123
MW4	12/12/06	27.0			31.0		0.42		0.16			ND		36.0	15.0	96	ND	ND	96	108
MW4	3/13/07	27.0			26.0		0.40		0.10			ND		35.0	18.0	82	ND	ND	82	106
MW4	6/25/07	27.0			27.0		0.37		0.10			ND		30.0	19.0	85	ND	ND	85	109
MW4	9/27/07	32.0			34.0		0.39		0.11			ND		36.0	27.0	98	ND	ND	98	123
MW4	12/27/07	34.0			39.0		0.48		0.17			ND		53.0	25.0	108	ND	ND	108	137
MW4	7/7/08	28.0			34.0		0.40		0.13			ND		50.0	24.0	88	ND	ND	88	114
MW4	10/10/08	32.0			33.0		0.44		0.15			ND		49.0	25.0	108	ND	ND	108	126
MW4	12/30/08	37.0		13.0	37.0		0.78		0.12			0.01		46.0	24.0	120	ND	ND	120	140
MW4	3/12/09	38.0		13.0	43.0		0.58		0.18			ND		44.0	26.0	130	ND	ND	130	150
MW4	6/16/09	35.0		12.0	43.0		0.44		0.17			ND		37.0	22.0	130	ND	ND	130	140

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LABORATORY INC

Historical Annual Standard Minerals Groundwater Quality Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Total Calcium	Dissolved Calcium	Dissolved Magnesium	Total Sodium	Dissolved Sodium	Total Potassium	Dissolved Potassium	Total Boron	Dissolved Boron	Dissolved Aluminum	Total Arsenic	Dissolved Arsenic	Chloride	Sulfate	Bicarbonate Alkalinity (CaCO3)	Carbonate Alkalinity (CaCO3)	Hydroxide Alkalinity (CaCO3)	Total Alkalinity (CaCO3)	Hardness
Method/Analysis		EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.8	EPA 200.8	EPA 300.0	EPA 300.0	SM 2320-B	SM 2320-B	SM 2320-B	SM 2320-B	calculation
Units:		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MCL											**0.2**	**0.010**	**0.010**	**250**	**250**					
MW4	12/15/09		37.0	13.0		46.0		0.54		0.21				57.0	19.0	130	ND	ND	130	140
MW4	12/14/10		32.0	11.0		46.0		0.40		0.22				54.0	13.0	130	ND	ND	130	130
MW4	12/14/11		29.0	10.0		44.0		0.43		0.19				40.0	13.0	140	ND	ND	140	110
MW4	12/18/12		34.0	11.0		46.0		0.42		0.16				46.0	7.2	160	ND	ND	160	130
MW4	12/11/13		32.0	11.0		43.0		0.38		0.15	ND		ND	46.0	8.6	150	ND	ND	150	130
MW4	12/18/14		35.0	13.0		44.0		0.40		0.14	ND		ND	36.0	13.0	150	ND	ND	150	140
MW4	12/16/15		34.0	12.0		40.0		0.26		0.12	ND		0.00045	42.0	28.0	140	ND	ND	140	130
MW4	12/9/16		47.0	16.0		53.0		0.38		0.16	ND		ND	47.0	40.0	140	ND	ND	140	180
MW4	12/5/17		36.0	12.0		45.0		0.32		0.20	ND		ND	45.0	32.0	150	ND	ND	150	140
MW4	12/17/18		39.0	13.0		41.0		0.58		0.13	ND		ND	38.0	29.0	160	ND	ND	160	150
MW4	12/16/19		37.0	12.0		44.0		0.29		0.18	ND		ND	38.0	24.0	160	ND	ND	160	140
MW4	12/15/20		34.0	12.0		40.0		0.37		0.15	0.0055		ND	31.0	29.0	140	ND	ND	140	130
MW4	12/14/21		41.0	14.0		43.0		0.39		0.14	0.0048		ND	52.0	34.0	120	ND	ND	120	160
MW4	11/28/22		33.2	11.1		37.0		ND		0.15	ND		ND	27.5	29.6	138	ND	ND	138	129

NM - Not Measured
ND - Not Detected

DELLAVALLE™
LABORATORY INC

Historical Annual Standard Minerals Groundwater Quality Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Total Calcium	Dissolved Calcium	Dissolved Magnesium	Total Sodium	Dissolved Sodium	Total Potassium	Dissolved Potassium	Total Boron	Dissolved Boron	Dissolved Aluminum	Total Arsenic	Dissolved Arsenic	Chloride	Sulfate	Bicarbonate Alkalinity (CaCO3)	Carbonate Alkalinity (CaCO3)	Hydroxide Alkalinity (CaCO3)	Total Alkalinity (CaCO3)	Hardness
Method/Analysis		EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.8	EPA 200.8	EPA 300.0	EPA 300.0	SM 2320-B	SM 2320-B	SM 2320-B	SM 2320-B	calculation
Units:		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MCL											**0.2**	**0.010**	**0.010**	**250**	**250**					
MW4A	12/27/07	43.0			23.0		0.54		0.088			ND		24.0	23.0	127	ND	ND	127	162
MW4A	7/7/08	43.0			24.0		0.30		0.083			ND		34.0	27.0	137	ND	ND	137	165
MW4A	10/10/08	41.0			21.0		0.42		0.089			ND		24.0	28.0	138	ND	ND	138	152
MW4A	12/30/08	40.0		14.0	22.0		0.32		0.093			ND		13.0	25.0	140	ND	ND	140	160
MW4A	3/12/09	45.0		15.0	24.0		0.31		0.090			0.019		25.0	25.0	130	ND	ND	130	170
MW4A	6/16/09	46.0		16.0	25.0		0.33		0.088			ND		29.0	27.0	140	ND	ND	140	180
MW4A	12/15/09		39.0	14.0		20.0		0.31		0.091				21.0	25.0	130	ND	ND	130	150
MW4A	12/14/10		44.0	14.0		24.0		0.30		0.098				36.0	22.0	130	ND	ND	130	170
MW4A	12/14/11		39.0	14.0		24.0		0.31		0.092				23.0	22.0	140	ND	ND	140	150
MW4A	12/19/12		41.0	14.0		23.0		0.21		0.085				25.0	19.0	150	ND	ND	150	160
MW4A	12/11/13		35.0	12.0		21.0		0.24		0.083	ND		ND	17.0	20.0	140	ND	ND	140	140
MW4A	12/18/14		36.0	13.0		21.0		0.24		0.083	ND		ND	16.0	21.0	120	ND	ND	120	140
MW4A	12/16/15		37.0	13.0		19.0		0.21		0.073	ND		0.0004	19.0	28.0	140	ND	ND	140	150
MW4A	12/9/16		56.0	19.0		26.0		0.37		0.091	ND		ND	32.0	35.0	140	ND	ND	140	220
MW4A	12/5/17		45.0	15.0		28.0		0.37		0.100	ND		ND	35.0	35.0	150	ND	ND	150	170
MW4A	12/17/18		42.0	14.0		27.0		0.24		0.075	0.0063		ND	18.0	33.0	160	ND	ND	160	160
MW4A	12/16/19		42.0	14.0		29.0		0.16		0.090	0.0180		ND	25.0	29.0	150	ND	ND	150	160
MW4A	12/15/20		37.0	13.0		26.0		0.16		0.086	0.0160		ND	18.0	26.0	150	ND	ND	150	150
MW4A	12/14/21		36.0	12.0		25.0		0.26		0.090	0.0088		ND	25.0	26.0	120	ND	ND	120	140
MW4A	11/28/22		39.0	13.0		24.0		ND		0.100	ND		ND	20.7	30.2	133	ND	ND	133	151

NM - Not Measured

ND - Not Detected

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LABORATORY INC

Historical Annual Standard Minerals Groundwater Quality Data
City of Ione WWTF
R5-2013-0022-REV1

Sample ID	Date	Total Calcium	Dissolved Calcium	Dissolved Magnesium	Total Sodium	Dissolved Sodium	Total Potassium	Dissolved Potassium	Total Boron	Dissolved Boron	Dissolved Aluminum	Total Arsenic	Dissolved Arsenic	Chloride	Sulfate	Bicarbonate Alkalinity (CaCO3)	Carbonate Alkalinity (CaCO3)	Hydroxide Alkalinity (CaCO3)	Total Alkalinity (CaCO3)	Hardness
Method/Analysis		EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.8	EPA 200.8	EPA 300.0	EPA 300.0	SM 2320-B	SM 2320-B	SM 2320-B	SM 2320-B	calculation
Units:		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MCL											**0.2**	**0.010**	**0.010**	**250**	**250**					
MW5A	12/31/07	47.0			24.0		0.61		0.095			ND		26.0	26.0	130	ND	ND	130	178
MW5A	7/2/08	38.0			17.0		0.62		0.071			ND		18.0	25.0	125	ND	ND	125	144
MW5A	10/10/08	37.0			15.0		0.49		0.076			ND		11.0	26.0	116	ND	ND	116	128
MW5A	12/30/08	38.0		13.0	16.0		0.57		0.084			ND		8.3	26.0	120	ND	ND	120	150
MW5A	3/12/09	47.0		15.0	21.0		0.57		0.091			0.011		23.0	30.0	140	ND	ND	140	180
MW5A	6/16/09	49.0		17.0	23.0		0.61		0.086			ND		26.0	27.0	150	ND	ND	150	190
MW5A	12/15/09		37.0	13.0		15.0		0.61		0.085				19.0	22.0	120	ND	ND	120	150
MW5A	12/14/10		48.0	16.0		23.0		0.55		0.100				35.0	19.0	150	ND	ND	150	190
MW5A	12/14/11		37.0	13.0		20.0		0.58		0.084				15.0	22.0	130	ND	ND	130	150
MW5A	12/19/12		43.0	15.0		22.0		0.48		0.085				NM	17.0	140	ND	ND	140	170
MW5A	12/11/13		36.0	13.0		19.0		0.48		0.081	0.1100		ND	36.0	15.0	120	ND	ND	120	140
MW5A	12/18/14		39.0	14.0		21.0		0.50		0.083	ND		ND	22.0	20.0	120	ND	ND	120	160
MW5A	12/16/15		40.0	14.0		18.0		0.51		0.070	ND		0.00038	33.0	29.0	120	ND	ND	120	160
MW5A	12/9/16		54.0	18.0		25.0		0.72		0.091	ND		ND	35.0	32.0	140	ND	ND	140	210
MW5A	12/5/17		41.0	14.0		27.0		0.63		0.110	ND		ND	22.0	33.0	140	ND	ND	140	160
MW5A	12/17/18		38.0	13.0		19.0		0.54		0.070	ND		ND	15.0	26.0	140	ND	ND	140	150
MW5A	12/16/19		39.0	13.0		24.0		0.47		0.092	ND		ND	20.0	26.0	140	ND	ND	140	150
MW5A	12/15/20		35.0	13.0		19.0		0.45		0.076	0.0042		ND	20.0	20.0	120	ND	ND	120	140
MW5A	12/14/21		35.0	13.0		19.0		0.45		0.076	0.0042		ND	20.0	20.0	120	ND	ND	120	140
MW5A	11/28/22		33.7	11.6		20.0		ND		0.100	ND		ND	14.9	26.8	124	ND	ND	124	132

NM - Not Measured

ND - Not Detected

Attachment 6
Reports of Water Analysis
(Onsite Monitoring Wells)

DELLAVALLE™
LABORATORY INC

1910 W. McKinley Avenue, Suite 110 ● Fresno, California 93728-1298
Phone (559) 233-6129 ● (800) 228-9896 ● Fax (559) 268-8174
Website: dellavallelab.com

DELLAVALLE™
LABORATORY INC

City of Ione
1 East Main Street
Lone, CA 95640

Account# 00-0025573
Account Manager: Lisa Rubin
Submitted By: Todd Waklee
Ranch: R5-2013-0022 (REV 1)

Received: 05/18/2023 10:37
Reported: 06/05/2023 10:47

Samples in this Report

Lab ID	Sample	Matrix	Sampled By	Crop	Date Sampled
23E1539-01	MW-2	Monitoring Well	Del-Tech/Cassandra Harlan		05/17/2023 12:34
23E1539-02	MW-3	Monitoring Well	Del-Tech/Cassandra Harlan		05/17/2023 12:02
23E1539-03	MW-5A	Monitoring Well	Del-Tech/Cassandra Harlan		05/17/2023 13:32
23E1539-04	MW-2A	Monitoring Well	Del-Tech/Cassandra Harlan		05/17/2023 11:03
23E1539-05	MW-3A	Monitoring Well	Del-Tech/Cassandra Harlan		05/17/2023 11:29
23E1539-06	MW-4	Monitoring Well	Del-Tech/Cassandra Harlan		05/17/2023 12:49

Default Cooler Temperature on Receipt °C: -0.2
Containers Intact
COC/Labels Agree
Received On Ice

Notes and Definitions

Item	Definition
H	Hold Time Exceeded
MCL	Drinking Water Maximum Contaminant Level
ND	Analyte NOT DETECTED at or above the reporting limit.
NES	Not Enough Sample
*	Not Taken
RPD	Relative Percent Difference
%REC	Percent Recovery
Source	Sample that was matrix spiked or duplicated.



Laboratory Director/Technical Manager

ELAP Certification #1595
A2LA Certification #6440.02

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Account# 00-0025573
Account Manager: Lisa Rubin
Submitted By: Todd Waklee
Ranch: R5-2013-0022 (REV 1)

Received: 05/18/2023 10:37
Reported: 06/05/2023 10:47

Sample Results

Sample: MW-2
23E1539-01 (Water)

Sampled: 5/17/2023 12:34
Sampled By: Del-Tech/Cassandra Harlan

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	**0.49**	mmhos/cm	0.01	1		05/19/23 09:27	SM 2510 B		BEE0666
Electrical Conductivity umhos	**489**	umhos/cm	10.0	1		05/19/23 09:27	SM 2510 B		BEE0666
Iron	**0.30**	mg/L	0.10	1		05/19/23 11:47	EPA 200.7		BEE0730
Manganese	**3.08**	mg/L	0.02	1		05/19/23 11:47	EPA 200.7		BEE0730
Ammonia (as N)	**1.97**	mg/L	0.500	1		05/19/23 11:10	SM 4500-NH3 H		BEE0705
Nitrate Nitrogen as NO3N	ND	mg/L	0.1	1	10	05/18/23 20:07	EPA 300.0		BEE0693
pH	**6.9**	units	1.0	1		05/19/23 09:27	SM 4500-H+	H	BEE0666
Total Filterable Solids (TDS)	**243**	mg/L	10.0	1		06/02/23 16:23	SM 2540 C		BEE0753

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Received: 05/18/2023 10:37
Reported: 06/05/2023 10:47

Sample Results
(Continued)

Sample: MW-3
23E1539-02 (Water)

Sampled: 5/17/2023 12:02
Sampled By: Del-Tech/Cassandra Harlan

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	**0.63**	mmhos/cm	0.01	1		05/19/23 09:32	SM 2510 B		BEE0666
Electrical Conductivity umhos	**633**	umhos/cm	10.0	1		05/19/23 09:32	SM 2510 B		BEE0666
Iron	ND	mg/L	0.10	1		05/19/23 11:48	EPA 200.7		BEE0730
Manganese	**4.67**	mg/L	0.02	1		05/19/23 11:48	EPA 200.7		BEE0730
Ammonia (as N)	**1.85**	mg/L	0.500	1		05/19/23 11:11	SM 4500-NH3 H		BEE0705
Nitrate Nitrogen as NO3N	**0.1**	mg/L	0.1	1	10	05/18/23 20:26	EPA 300.0		BEE0693
pH	**6.8**	units	1.0	1		05/19/23 09:32	SM 4500-H+	H	BEE0666
Total Filterable Solids (TDS)	**267**	mg/L	10.0	1		06/02/23 16:23	SM 2540 C		BEE0753

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LABORATORY INC

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Ranch: R5-2013-0022 (REV 1)

Received: 05/18/2023 10:37
Reported: 06/05/2023 10:47

Sample Results
(Continued)

Sample: MW-5A
23E1539-03 (Water)

Sampled: 5/17/2023 13:32
Sampled By: Del-Tech/Cassandra Harlan

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	**0.48**	mmhos/cm	0.01	1		05/19/23 09:38	SM 2510 B		BEE0666
Electrical Conductivity umhos	**475**	umhos/cm	10.0	1		05/19/23 09:38	SM 2510 B		BEE0666
Iron	ND	mg/L	0.10	1		05/19/23 11:50	EPA 200.7		BEE0730
Manganese	**0.26**	mg/L	0.02	1		05/19/23 11:50	EPA 200.7		BEE0730
Ammonia (as N)	ND	mg/L	0.500	1		05/19/23 11:13	SM 4500-NH3 H		BEE0705
Nitrate Nitrogen as NO3N	**1.9**	mg/L	0.1	1	10	05/18/23 20:46	EPA 300.0		BEE0693
pH	**6.7**	units	1.0	1		05/19/23 09:38	SM 4500-H+	H	BEE0666
Total Filterable Solids (TDS)	**233**	mg/L	10.0	1		06/02/23 16:23	SM 2540 C		BEE0753

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Received: 05/18/2023 10:37
Reported: 06/05/2023 10:47

Sample Results
(Continued)

Sample: MW-2A
23E1539-04 (Water)

Sampled: 5/17/2023 11:03
Sampled By: Del-Tech/Cassandra Harlan

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	**0.45**	mmhos/cm	0.01	1		05/19/23 09:42	SM 2510 B		BEE0666
Electrical Conductivity umhos	**451**	umhos/cm	10.0	1		05/19/23 09:42	SM 2510 B		BEE0666
Iron	**3.16**	mg/L	0.10	1		05/19/23 11:51	EPA 200.7		BEE0730
Manganese	**2.66**	mg/L	0.02	1		05/19/23 11:51	EPA 200.7		BEE0730
Ammonia (as N)	**2.28**	mg/L	0.500	1		05/19/23 11:14	SM 4500-NH3 H		BEE0705
Nitrate Nitrogen as NO3N	ND	mg/L	0.1	1	10	05/18/23 21:06	EPA 300.0		BEE0693
pH	**6.8**	units	1.0	1		05/19/23 09:42	SM 4500-H+	H	BEE0666
Total Filterable Solids (TDS)	**223**	mg/L	10.0	1		06/02/23 16:23	SM 2540 C		BEE0753

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LABORATORY INC

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Account# 00-0025573
Account Manager: Lisa Rubin
Submitted By: Todd Waklee
Ranch: R5-2013-0022 (REV 1)

Received: 05/18/2023 10:37
Reported: 06/05/2023 10:47

Sample Results
(Continued)

Sample: MW-3A
23E1539-05 (Water)

Sampled: 5/17/2023 11:29
Sampled By: Del-Tech/Cassandra Harlan

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	**0.50**	mmhos/cm	0.01	1		05/19/23 09:46	SM 2510 B		BEE0666
Electrical Conductivity umhos	**496**	umhos/cm	10.0	1		05/19/23 09:46	SM 2510 B		BEE0666
Iron	**0.62**	mg/L	0.10	1		05/19/23 11:52	EPA 200.7		BEE0730
Manganese	**4.56**	mg/L	0.02	1		05/19/23 11:52	EPA 200.7		BEE0730
Ammonia (as N)	**3.58**	mg/L	0.500	1		05/19/23 11:15	SM 4500-NH3 H		BEE0705
Nitrate Nitrogen as NO3N	**0.1**	mg/L	0.1	1	10	05/18/23 21:26	EPA 300.0		BEE0693
pH	**6.9**	units	1.0	1		05/19/23 09:46	SM 4500-H+	H	BEE0666
Total Filterable Solids (TDS)	**293**	mg/L	10.0	1		06/02/23 16:23	SM 2540 C		BEE0753

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Ranch: R5-2013-0022 (REV 1)

Received: 05/18/2023 10:37
Reported: 06/05/2023 10:47

Sample Results

(Continued)

Sample: MW-4
23E1539-06 (Water)

Sampled: 5/17/2023 12:49
Sampled By: Del-Tech/Cassandra Harlan

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	**0.50**	mmhos/cm	0.01	1		05/19/23 09:51	SM 2510 B		BEE0666
Electrical Conductivity umhos	**495**	umhos/cm	10.0	1		05/19/23 09:51	SM 2510 B		BEE0666
Iron	ND	mg/L	0.10	1		05/19/23 11:53	EPA 200.7		BEE0730
Manganese	**1.27**	mg/L	0.02	1		05/19/23 11:53	EPA 200.7		BEE0730
Ammonia (as N)	ND	mg/L	0.500	1		05/19/23 11:16	SM 4500-NH3 H		BEE0705
Nitrate Nitrogen as NO3N	**3.0**	mg/L	0.1	1	10	05/18/23 21:45	EPA 300.0		BEE0693
pH	**6.9**	units	1.0	1		05/19/23 09:51	SM 4500-H+	H	BEE0666
Total Filterable Solids (TDS)	**247**	mg/L	10.0	1		06/02/23 16:23	SM 2540 C		BEE0753

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DELLAVALLE™
LABORATORY INC

City of Ione
1 East Main Street
Lone, CA 95640

Account# 00-0025573
Account Manager: Lisa Rubin
Submitted By: Todd Waklee
Ranch: R5-2013-0022 (REV 1)

Received: 05/18/2023 10:37
Reported: 06/05/2023 10:47

Quality Control

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEE0666										
Blank (BEE0666-BLK1)					Prepared: 5/17/2023 Analyzed: 5/19/2023					
pH	5.2		1.0	units						
Electrical Conductivity	ND		0.01	mmhos/cm						
Electrical Conductivity umhos	ND		10.0	umhos/cm						
Blank (BEE0666-BLK2)					Prepared: 5/17/2023 Analyzed: 5/19/2023					
Electrical Conductivity	ND		0.01	mmhos/cm						
pH	5.3		1.0	units						
Electrical Conductivity umhos	ND		10.0	umhos/cm						
Blank (BEE0666-BLK3)					Prepared: 5/17/2023 Analyzed: 5/19/2023					
Electrical Conductivity	ND		0.01	mmhos/cm						
pH	5.3		1.0	units						
Electrical Conductivity umhos	ND		10.0	umhos/cm						
Duplicate (BEE0666-DUP1)		**Source: 23E1540-01**			Prepared: 5/17/2023 Analyzed: 5/19/2023					
pH	6.9		1.0	units		6.9			0.579	10
Electrical Conductivity	0.58		0.01	mmhos/cm		0.58			0.652	10
Electrical Conductivity umhos	581		10.0	umhos/cm		585			0.652	10
Duplicate (BEE0666-DUP2)		**Source: 23E1644-01**			Prepared: 5/17/2023 Analyzed: 5/19/2023					
Electrical Conductivity	0.33		0.01	mmhos/cm		0.33			1.25	10
pH	9.2		1.0	units		9.1			0.219	10
Electrical Conductivity umhos	326		10.0	umhos/cm		330			1.25	10
Reference (BEE0666-SRM1)					Prepared: 5/17/2023 Analyzed: 5/19/2023					
Electrical Conductivity	561			umhos/cm	538.0		104	90-110		
Reference (BEE0666-SRM2)					Prepared: 5/17/2023 Analyzed: 5/19/2023					
Electrical Conductivity	565			umhos/cm	538.0		105	90-110		
Reference (BEE0666-SRM3)					Prepared: 5/17/2023 Analyzed: 5/19/2023					
Electrical Conductivity	563			umhos/cm	538.0		105	90-110		
Reference (BEE0666-SRM4)					Prepared: 5/17/2023 Analyzed: 5/19/2023					
pH	4.0			units	4.000		100	97.5-102.5		
Reference (BEE0666-SRM5)					Prepared: 5/17/2023 Analyzed: 5/19/2023					
pH	4.0			units	4.000		101	97.5-102.5		
Reference (BEE0666-SRM6)					Prepared: 5/17/2023 Analyzed: 5/19/2023					
pH	4.0			units	4.000		100	97.5-102.5		
Reference (BEE0666-SRM7)					Prepared: 5/17/2023 Analyzed: 5/19/2023					

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LABORATORY INC

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Lone, CA 95640

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Submitted By: Todd Waklee
Ranch: R5-2013-0022 (REV 1)

Received: 05/18/2023 10:37
Reported: 06/05/2023 10:47

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEE0666 (Continued)										
Reference (BEE0666-SRM7)					Prepared: 5/17/2023 Analyzed: 5/19/2023					
pH	7.8			units	7.790		101	.7163-101.28		

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City of Ione
1 East Main Street
Lone, CA 95640

Account# 00-0025573
Account Manager: Lisa Rubin
Submitted By: Todd Waklee
Ranch: R5-2013-0022 (REV 1)

Received: 05/18/2023 10:37
Reported: 06/05/2023 10:47

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEE0693										
Blank (BEE0693-BLK1)					Prepared & Analyzed: 5/18/2023					
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
Blank (BEE0693-BLK2)					Prepared & Analyzed: 5/18/2023					
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
Blank (BEE0693-BLK3)					Prepared: 5/18/2023 Analyzed: 5/19/2023					
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
LCS (BEE0693-BS1)					Prepared & Analyzed: 5/18/2023					
Nitrate Nitrogen as NO3N	5.2		0.1	mg/L	5.000		103	90-110		
LCS (BEE0693-BS2)					Prepared: 5/18/2023 Analyzed: 5/19/2023					
Nitrate Nitrogen as NO3N	5.2		0.1	mg/L	5.000		103	90-110		
Duplicate (BEE0693-DUP1)		**Source: 23E1539-01**			Prepared: 5/18/2023 Analyzed: 5/19/2023					
Nitrate Nitrogen as NO3N	0.05		0.1	mg/L		0.05			0.00	10
Duplicate (BEE0693-DUP2)		**Source: 23E1603-01**			Prepared: 5/18/2023 Analyzed: 5/19/2023					
Nitrate Nitrogen as NO3N	0.9		0.1	mg/L		1.0			9.17	10
Matrix Spike (BEE0693-MS1)		**Source: 23E1539-01**			Prepared & Analyzed: 5/18/2023					
Nitrate Nitrogen as NO3N	5.1		0.1	mg/L	5.000	0.05	101	90-110		
Matrix Spike (BEE0693-MS2)		**Source: 23E1603-01**			Prepared: 5/18/2023 Analyzed: 5/19/2023					
Nitrate Nitrogen as NO3N	6.1		0.1	mg/L	5.000	1.0	102	90-110		
Reference (BEE0693-SRM1)					Prepared & Analyzed: 5/18/2023					
Nitrate Nitrogen as NO3N	10.1			mg/L	10.00		101	90-110		
Reference (BEE0693-SRM2)					Prepared: 5/18/2023 Analyzed: 5/19/2023					
Nitrate Nitrogen as NO3N	10.2			mg/L	10.00		102	90-110		
Reference (BEE0693-SRM3)					Prepared: 5/18/2023 Analyzed: 5/19/2023					
Nitrate Nitrogen as NO3N	10.2			mg/L	10.00		102	90-110		

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LABORATORY INC

City of Ione
1 East Main Street
Lone, CA 95640

Account# 00-0025573
Account Manager: Lisa Rubin
Submitted By: Todd Waklee
Ranch: R5-2013-0022 (REV 1)

Received: 05/18/2023 10:37
Reported: 06/05/2023 10:47

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEE0705										
Blank (BEE0705-BLK1)					Prepared: 5/18/2023 Analyzed: 5/19/2023					
Ammonia (as N)	ND		0.500	mg/L						
Blank (BEE0705-BLK2)					Prepared: 5/18/2023 Analyzed: 5/19/2023					
Ammonia (as N)	ND		0.500	mg/L						
LCS (BEE0705-BS1)					Prepared: 5/18/2023 Analyzed: 5/19/2023					
Ammonia (as N)	8.96		0.500	mg/L	9.990		89.7	90-110		
LCS (BEE0705-BS2)					Prepared: 5/18/2023 Analyzed: 5/19/2023					
Ammonia (as N)	9.35		0.500	mg/L	9.990		93.6	90-110		
Duplicate (BEE0705-DUP1)		**Source: 23E1539-02**			Prepared: 5/18/2023 Analyzed: 5/19/2023					
Ammonia (as N)	1.70		0.500	mg/L		1.85			8.13	10
Duplicate (BEE0705-DUP2)		**Source: 23E1601-02**			Prepared: 5/18/2023 Analyzed: 5/19/2023					
Ammonia (as N)	ND		0.500	mg/L		ND				10
Matrix Spike (BEE0705-MS1)		**Source: 23E1539-02**			Prepared: 5/18/2023 Analyzed: 5/19/2023					
Ammonia (as N)	11.8		0.500	mg/L	9.990	1.85	99.9	90-110		
Matrix Spike (BEE0705-MS2)		**Source: 23E1601-02**			Prepared: 5/18/2023 Analyzed: 5/19/2023					
Ammonia (as N)	9.64		0.500	mg/L	9.990	ND	96.5	90-110		
Reference (BEE0705-SRM1)					Prepared: 5/18/2023 Analyzed: 5/19/2023					
Ammonia (as N)	5.33			mg/L	5.470		97.5	90-110		

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1 East Main Street
Lone, CA 95640

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Submitted By: Todd Waklee
Ranch: R5-2013-0022 (REV 1)

Received: 05/18/2023 10:37
Reported: 06/05/2023 10:47

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEE0730										
Blank (BEE0730-BLK1)					Prepared: 5/18/2023 Analyzed: 5/19/2023					
Manganese	ND		0.02	mg/L						
Iron	ND		0.10	mg/L						
Blank (BEE0730-BLK2)					Prepared: 5/18/2023 Analyzed: 5/19/2023					
Manganese	ND		0.02	mg/L						
Iron	ND		0.10	mg/L						
LCS (BEE0730-BS1)					Prepared: 5/18/2023 Analyzed: 5/19/2023					
Manganese	6.77		0.02	mg/L	7.143		94.8	90-110		
Iron	6.97		0.10	mg/L	7.143		97.6	90-110		
Duplicate (BEE0730-DUP1)		**Source: 23E1539-03**			Prepared: 5/18/2023 Analyzed: 5/19/2023					
Manganese	0.27		0.02	mg/L		0.26			2.42	15
Iron	0.01		0.10	mg/L		0.01			2.90	15
Matrix Spike (BEE0730-MS1)		**Source: 23E1539-03**			Prepared: 5/18/2023 Analyzed: 5/19/2023					
Iron	6.37		0.10	mg/L	7.143	0.01	89.0	90-110		
Manganese	6.35		0.02	mg/L	7.143	0.26	85.3	90-110		
Reference (BEE0730-SRM1)					Prepared: 5/18/2023 Analyzed: 5/19/2023					
Iron	1.94			mg/L	1.910		102	90-110		
Manganese	1.31			mg/L	1.400		93.3	90-110		

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DELLAVALLE™
LABORATORY INC

City of Ione
1 East Main Street
Lone, CA 95640

Account# 00-0025573
Account Manager: Lisa Rubin
Submitted By: Todd Waklee
Ranch: R5-2013-0022 (REV 1)

Received: 05/18/2023 10:37
Reported: 06/05/2023 10:47

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEE0753										
Blank (BEE0753-BLK1)					Prepared: 5/19/2023 Analyzed: 6/2/2023					
Total Filterable Solids (TDS)	ND		10.0	mg/L						
LCS (BEE0753-BS1)					Prepared: 5/19/2023 Analyzed: 6/2/2023					
Total Filterable Solids (TDS)	23.8		10.0	mg/L	2000		1.19	0-200		
Duplicate (BEE0753-DUP1)		**Source: 23E1478-02**			Prepared: 5/19/2023 Analyzed: 6/2/2023					
Total Filterable Solids (TDS)	327		10.0	mg/L		333			2.02	5
Duplicate (BEE0753-DUP2)		**Source: 23E1540-02**			Prepared: 5/19/2023 Analyzed: 6/2/2023					
Total Filterable Solids (TDS)	947		10.0	mg/L		923			2.50	5
Reference (BEE0753-SRM1)					Prepared: 5/19/2023 Analyzed: 6/2/2023					
Total Filterable Solids (TDS)	310			mg/L	325.0		95.4	90-110		

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05/18/23 10:37 23E1539

DELLAVALLE LABORATORY, INC.

1910 W. McKinley Avenue, Suite 110 • Fresno, CA 93728
www.dellavallelab.com 559 233-6129 · 800 228-9896 · Fax 559 268-8174

JG

Purchase Order No | Bill To: Acct # 23073 Cons # 54

No. Samples: 3 No of Bottles: 6

Results Need By

Water Type: [ ] Drinking Water [ ] Wastewater
[ ] Ag Water [ ] Groundwater **[x] Monitoring Well**

Name: City of Ione
Billing Address: 1 East Main Street
City: Ione **State:** CA **Zip:** 95640
Telephone: 209-274-2412
Cell:
Email: twaklee@ione-ca.com
COPY TO: mrock@ione-ca.com
jdoersen@ione-ca.com
REQUESTED BY: Todd Waklee
PROJECT: R5-2013-0022 (REV 1)
Site: City of Ione MW Network

Other:

Analysis and Bottles Required: (*Please indicate Analysis*)

[X] **Quarterly**

pH, EC, TDS, NO_3N, NH_4-N, Dissolved Fe and Mn

(1-1 Liter Plastic, Unpreserved) White per site
(1-250 mL Plastic w/H_2SO_4) NH_4-N Yellow per site

[ ] **Annually**

Dissolved General Mineral (No MBAS), Dissolved: **As**, Al, B, K, NH4-N, TKN, TN

(1-1 Liter Plastic, Unpreserved) per site
(1-250 mL Plastic, Unpreserved) As White **pace** per site
(1-250 mL Plastic w/H_2SO_4) TKN Yellow per site

[ ] Co. Health Dept
[ ] RWQCB [X] Copy of Chain
[ ] State Forms [X] QA/QC Documents

IR Thermometer SN: 221314357
Correction Factor: 0°C
Calibration Due: 6/30/2023
Location: Laboratory

Sampled By:

	Description of Samples	Date Sampled	Time Sampled	Rec'd Temp °C	Field EC
1	~~MW-1~~				
2	~~MW-1A~~				
3	MW-2	5-17-23	1234	-0.2	
4	~~MW-2A~~				
5	MW-3	5-17-23	1202	-2.0	
6	~~MW-3A~~				
7	~~MW-4~~				
8	~~MW-4A~~				
9	MW-5A	5-17-23	1332	-1.2	

CHAIN OF CUSTODY

Carrier	Signature	Company	Received Date/Time	Relinquished Date/Time
First	[signature]	DelTech	5/17/23 1202	5-17-23 1345
Second	[signature] Rubin	DLL	5/17/23 1345	5/18/23
Third				
Fourth	Jasmeet S2	DLL	5/18/23 10:37	

I guarantee that as the client, or on behalf of client named, I have the authority to contract the above requested services. Should it be found that I do not have such authority, I agree to be personally liable for all costs and, if there should be action against me for this breach, reasonable attorneys' fees. It is understood that payment is expected to be cash with samples unless terms have been previously arranged. Terms are net 30 days; overdue accounts will be charged a liquidated damage fee of 2% per month (annually 24%) or $5.00 per month whichever is greater.

If payment is not made when due and a legitimate dispute exists concerning the product or services of Dellavalle Laboratory, Inc., it will be submitted to mediation under the Rules and Procedures of Creative Alternative to Litigation, Inc. (*cal*). If the dispute is not resolved in mediation, then the dispute will be submitted to binding arbitration through *cal* under its Rules and Procedures. The parties will equally bear the costs of mediation/arbitration. If, however, the mediator declares that no legitimate dispute exists, then debtor will pay all mediation and arbitration costs, and in the event of arbitration, reasonable attorneys' fees of Dellavalle Laboratory.

Lisa will invoice

Signature

Sample received in cooler with ice (coolant)
[ ] Yes [ ] No

Paste Label Here

Shipping Information: Shipped In ☐ Picked-Up ☒ Walk In ☐ DLI Sampler ☐ Other ☐ _____

Container: Ice Chest ☒ Box ☐ None ☐ **Refrigerant:** Wet Ice ☐ Blue Ice ☒ None ☐

Samples Preserved with HNO_3 or H_2SO_4 were: ☐ Received Preserved ☐ Preserved Upon Receipt at Laboratory

Type of Container(s) Received		Sample Number 1	2	3	4	5	6	7	8	9	10
Sample Containers for Internal (DLI) Use *(Containers that go into the La…*											
Plastics	100 mL sterile plastic $Na_2S_2O_3$ (Green)										
	250 mL unpreserved (White) Plastic										
	250 mL HNO_3 (Red) Plastic										
	* pH Value										
	250 mL H_2SO_4 (Yellow) Plastic	1	1	1							
	* pH Value	<2	<2	<2							
	500 mL unpreserved (White) Plastic										
	1 L unpreserved (White) Plastic	1	1	1							
	1 L unpreserved (BOD) (Purple) Plastic										
Special	500mL unpreserved (White) Glass										
	PO4-P Kit										
	Other:										
Sample Containers for Subcontracted ("Send Out") Analyses *(Containers that go in the Subcontract ("Send Out") Refrigerator)*											
Plastics	100 mL sterile plastic $Na_2S_2O_3$ (Green)										
	250 mL unpreserved (White) Plastic										
	250 mL HNO_3 (Red) Plastic										
	250 mL H_2SO_4 (Yellow) Plastic										
	500 mL HNO_3 (Red)										
	1 L unpreserved (White) Plastic										
	1 L unpreserved (BOD) (Purple) Plastic										
	1 L HNO_3 (Red)										
VOA Vials	40 mL VOA, $Na_2S_2O_3$ + MCAA (EPA531)										
	40 mL VOA, $Na_2S_2O_3$ (EPA547)										
	40mL AG VOA unpreserved (White) (Set of 3)										
	40 mL AG VOA, $Na_2S_2O_3$ (Green) (Set of 3)										
	40mL VOA, H_3PO_4 (Set of 3)										
	40 mL VOA, HCl (Blue) (Set of 3)										
	40 mL VOA, $Na_2S_2O_3$ (Green) (Set of 3)										
Glass	250 mL AG unpreserved (White)										
	250 mL AG H_2SO_4 (Yellow)										
	250 mL AG $Na_2S_2O_3$ (Green)										
	250 mL AG $Na_2S_2O_3$ + MCAA										
	500 mL glass unpreserved (White)										
	500 mL AG HCl (Blue)										
	1 L AG unpreserved (White)										
	1 L AG H_2SO_4 (Yellow)										
	1 L AG $Na_2S_2O_3$ (Green)										
	1 L AG HCl (Blue)										
Special	Cr^{6+} - 50mL Plastic w/Borate/HCO_3/CO_3										
	Cyanide - 500 mL NaOH										
	Asbestos - 1L P wrapped in foil (Set of 2)										
	Sulfide - 1 L **AG** or **P** NaOH + ZnAc										
	Chlorite/Bromate - 250 mL AG with EDA										
	HAA5 - 250mL AG Ammonium Chlorite										
	DO KIT										
	Other:										
	Other:										



SEND OUT

05/18/23 10:37 23E1539

DELLAVALLE LABORATORY, INC.

1910 W. McKinley Avenue, Suite 110 • Fresno, CA 93728
www.dellavallelab.com 559 233-6129 · 800 228-9896 · Fax 559 268-8174

Purchase Order No | Bill To: 25573 Acct # 54 Cons #

Results Need By

Name: City of Ione
Billing Address: 1 East Main Street
City: Ione **State:** CA **Zip:** 95640
Telephone: 209-274-2412
Cell:
Email: twaklee@ione-ca.com
COPY TO: mrock@ione-ca.com
jdoersen@ione-ca.com
REQUESTED BY: Todd Waklee
PROJECT: R5-2013-0022 (REV 1)
Site: City of Ione MW Network

[ ] Co. Health Dept
[ ] RWQCB [X] Copy of Chain
[ ] State Forms [X] QA/QC Documents

No. Samples: No of Bottles:

Water Type: [ ] Drinking Water [ ] Wastewater
[ ] Ag Water [ ] Groundwater **[x] Monitoring Well**

Other:

Analysis and Bottles Required: (*Please indicate Analysis*)

[x] **Quarterly**

pH, EC, TDS, NO_3N, NH_4-N, Dissolved Fe and Mn

(1-1 Liter Plastic, Unpreserved) White per site
(1-250 mL Plastic w/H_2SO_4) NH_4-N Yellow per site

[ ] **Annually**

Dissolved General Mineral (No MBAS), Dissolved: **As**, Al, B, K, NH4-N, TKN, TN

(1-1 Liter Plastic, Unpreserved) per site
(1-250 mL Plastic, Unpreserved) As White **pace** per site
(1-250 mL Plastic w/H_2SO_4) TKN Yellow per site

Sampled By: Del-Tech / Cassandra Harlan

	Description of Samples	Date Sampled	Time Sampled	Rec'd Temp °C	Field EC
1	~~MW-1~~				
2	~~MW-1A~~				
3	~~MW-2~~				
4	MW-2A	5-17-23	1103	-1.0	
5	~~MW-3~~				
6	MW-3A	5-17-23	1129	-1.3	
7	MW-4	5-17-23	1249	-0.6	
8	~~MW-4A~~				
9	~~MW-5A~~				

IR Thermometer SN: 221314357
Correction Factor: 0°C
Calibration Due: 6/30/2023
Location: Laboratory

CHAIN OF CUSTODY

Carrier	Signature	Company	Received Date/Time	Relinquished Date/Time
First	Cassandra Harlan	Del-Tech	5-17-23 1103	5-17-23 1345
Second	Kristi Ruben	DLI	5-17-23 1345	5-18-23
Third				
Fourth	Jasmeet Sra	DLI	5/18/23 10:37	

I guarantee that as the client, or on behalf of client named, I have the authority to contract the above requested services. Should it be found that I do not have such authority, I agree to be personally liable for all costs and, if there should be action against me for this breach, reasonable attorneys' fees. It is understood that payment is expected to be cash with samples unless terms have been previously arranged. Terms are net 30 days; overdue accounts will be charged a liquidated damage fee of 2% per month (annually 24%) or $5.00 per month whichever is greater.

If payment is not made when due and a legitimate dispute exists concerning the product or services of Dellavalle Laboratory, Inc., it will be submitted to mediation under the Rules and Procedures of Creative Alternative to Litigation, Inc. (*cal*). If the dispute is not resolved in mediation, then the dispute will be submitted to binding arbitration through *cal* under its Rules and Procedures. The parties will equally bear the costs of mediation/arbitration. If, however, the mediator declares that no legitimate dispute exists, then debtor will pay all mediation and arbitration costs, and in the event of arbitration, reasonable attorneys' fees of Dellavalle Laboratory.

Lisa will invoice

Signature

Sample received in cooler with ice (cooler) [ ] Yes [ ] No

Paste Label Here

Shipping Information: Shipped In □ Picked-Up ☒ Walk In □ DLI Sampler □ Other □ _____

Container: Ice Chest ☒ Box □ None □ **Refrigerant:** Wet Ice ☒ Blue Ice □ None □

Samples Preserved with HNO_3 or H_2SO_4 were: □ Received Preserved □ Preserved Upon Receipt at Laboratory

Type of Container(s) Received		Sample Number 1	2	3	4	5	6	7	8	9	10
Sample Containers for Internal (DLI) Use *(Containers that go into the Lab)*											
Plastics	100 mL sterile plastic $Na_2S_2O_3$ (Green)										
	250 mL unpreserved (White) Plastic										
	250 mL HNO_3 (Red) Plastic										
	* pH Value										
	250 mL H_2SO_4 (Yellow) Plastic	1	1	1							
	* pH Value	<2	<2	<2							
	500 mL unpreserved (White) Plastic										
	1 L unpreserved (White) Plastic	1	1	1							
	1 L unpreserved (BOD) (Purple) Plastic										
Special	500mL unpreserved (White) Glass										
	PO4-P Kit										
	Other:										
Sample Containers for Subcontracted ("Send Out") Analyses *(Containers that go in the Subcontract ("Send Out") Refrigerator)*											
Plastics	100 mL sterile plastic $Na_2S_2O_3$ (Green)										
	250 mL unpreserved (White) Plastic										
	250 mL HNO_3 (Red) Plastic										
	250 mL H_2SO_4 (Yellow) Plastic										
	500 mL HNO_3 (Red)										
	1 L unpreserved (White) Plastic										
	1 L unpreserved (BOD) (Purple) Plastic										
	1 L HNO_3 (Red)										
VOA Vials	40 mL VOA, $Na_2S_2O_3$ + MCAA (EPA531)										
	40 mL VOA, $Na_2S_2O_3$ (EPA547)										
	40mL AG VOA unpreserved (White) (Set of 3)										
	40 mL AG VOA, $Na_2S_2O_3$ (Green) (Set of 3)										
	40mL VOA, H_3PO_4 (Set of 3)										
	40 mL VOA, HCl (Blue) (Set of 3)										
	40 mL VOA, $Na_2S_2O_3$ (Green) (Set of 3)										
Glass	250 mL AG unpreserved (White)										
	250 mL AG H_2SO_4 (Yellow)										
	250 mL AG $Na_2S_2O_3$ (Green)										
	250 mL AG $Na_2S_2O_3$ + MCAA										
	500 mL glass unpreserved (White)										
	500 mL AG HCl (Blue)										
	1 L AG unpreserved (White)										
	1 L AG H_2SO_4 (Yellow)										
	1 L AG $Na_2S_2O_3$ (Green)										
	1 L AG HCl (Blue)										
Special	Cr^{6+} - 50mL Plastic w/Borate/HCO_3/CO_3										
	Cyanide - 500 mL NaOH										
	Asbestos - 1L P wrapped in foil (Set of 2)										
	Sulfide - 1 L **AG** or **P** NaOH + ZnAc										
	Chlorite/Bromate - 250 mL AG with EDA										
	HAA5 - 250mL AG Ammonium Chlorite										
	DO KIT										
	Other:										
	Other:										

05/18/23 10:37 23E1539

SEND OUT

C:\Users\LRubin\Dropbox\LISA CLIENTS 2021\CITY OF IONE\fieldsheets\City of Ione WWTP MWs R5-2013-0022_REV1

DELLAVALLE™
LABORATORY INC

City of Ione
1 East Main Street
Lone, CA 95640

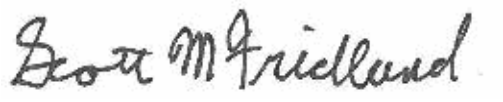
Account# 00-0025573
Account Manager: Lisa Rubin
Submitted By: Todd Waklee
Ranch: R5-2013-0022 (REV 1)

Received: 05/18/2023 9:50
Reported: 06/12/2023 11:34

Samples in this Report

Lab ID	Sample	Matrix	Sampled By	Crop	Date Sampled
23E1604-01	MW-2A	Monitoring Well	Del-Tech/Cassandra Hanan		5/17/2023 11:03
23E1604-02	MW-3A	Monitoring Well	Del-Tech/Cassandra Hanan		5/17/2023 11:29
23E1604-03	MW-4	Monitoring Well	Del-Tech/Cassandra Hanan		5/17/2023 12:49

Default Cooler — Temperature on Receipt °C: -2.8
Containers Intact
COC/Labels Agree
Received On Ice



Laboratory Director/Technical Manager

ELAP Certification #1595
A2LA Certification #6440.02

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Certificate of Analysis

City of Ione #25573/54
Project: R5-2013-0022

Sample ID: AGE2407-01
Sampled By: Deltech / Cassandra
Sample Description: 23E1604-01 // MW-2A

Sample Date - Time: 05/17/2023 - 11:03
Matrix: Water
Sample Type: Routine

BSK Associates Laboratory Fresno

Microbiology

Analyte	Method	Result	RL	Units	Batch	Prepared	Analyzed	Qual
Coliform by 1x10 MTF								
Total Coliform	SM 9221B	**<1.1**	1.1	MPN/100 mL	AGE1269	05/18/23 16:57	05/18/23 16:57	HT1.0

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Certificate of Analysis

City of Ione #25573/54
Project: R5-2013-0022

Sample ID: AGE2407-02
Sampled By: Deltech / Cassandra
Sample Description: 23E1604-02 // MW-3A

Sample Date - Time: 05/17/2023 - 11:29
Matrix: Water
Sample Type: Routine

BSK Associates Laboratory Fresno

Microbiology

Analyte	Method	Result	RL	Units	Batch	Prepared	Analyzed	Qual
Coliform by 1x10 MTF								
Total Coliform	SM 9221B	**<1.1**	1.1	MPN/100 mL	AGE1269	05/18/23 16:57	05/18/23 16:57	HT1.0

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Certificate of Analysis

City of Ione #25573/54
Project: R5-2013-0022

Sample ID: AGE2407-03
Sampled By: Deltech / Cassandra
Sample Description: 23E1604-03 // MW-4

Sample Date - Time: 05/17/2023 - 12:49
Matrix: Water
Sample Type: Routine

BSK Associates Laboratory Fresno

Microbiology

Analyte	Method	Result	RL	Units	Batch	Prepared	Analyzed	Qual
Coliform by 1x10 MTF								
Total Coliform	SM 9221B	**<1.1**	1.1	MPN/100 mL	AGE1269	05/18/23 16:57	05/18/23 16:57	HT1.0

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

DELLAVALLE™
LABORATORY INC

SUBCONTRACT ORDER

Sending Laboratory:

Dellavalle Laboratory Inc.
1910 McKinley, Ste. 110
Fresno, CA 93728-1298
Phone: (559) 233-6129
Fax: (559) 268-8174

Attn: Kaitlynn Shaw
dataentry@dellavallelab.com

After Hours Contact:

Susan Villagran
559-530-1346
Martin James
559-940-2024

PO# 806603

Subcontracted Laboratory:

BSK & Associates - Stanislaus
687 N. Laverne
Fresno, CA 93727
Phone: (559) 497-2888
Fax: 559 485-6935

Turnaround: Standard X Rush __
State Forms: Yes __ No X Sys#_____

Work Order: 23E1604 **Project: R5-2013-0022 (REV 1)**

Analysis

Sample ID: 23E1604-01 ***Monitoring Well*** ***Sampled: 5/17/2023 11:03AM***
Client Sample Name: MW-2A **Sampled By: Del-Tech/Cassandra**

	Comments
Coli 1x10 Total Coli:SO	SM 9221 B (MTF)

Containers Supplied:

Sample ID: 23E1604-02 ***Monitoring Well*** ***Sampled: 5/17/2023 11:29AM***
Client Sample Name: MW-3A **Sampled By: Del-Tech/Cassandra**

	Comments
Coli 1x10 Total Coli:SO	SM 9221 B (MTF)

Containers Supplied:

Sample ID: 23E1604-03 ***Monitoring Well*** ***Sampled: 5/17/2023 12:49PM***
Client Sample Name: MW-4 **Sampled By: Del-Tech/Cassandra**

	Comments
Coli 1x10 Total Coli:SO	SM 9221 B (MTF)

Containers Supplied:

OK to run out of hold time
- HS

Released By	Date	Received By	Date
Released By	Date	Received By	Date

05/18/23 09:50 23E1604

DELLAVALLE LABORATORY, INC.

1910 W. McKinley Avenue, Suite 110 • Fresno, CA 93728
www.dellavallelab.com 559 233-6129 · 800 228-9896 · Fax 559 268-8174

Purchase Order No | Bill To: 25573 Acct # 04 Cons #

Results Need By

No. Samples: 9 No of Bottles: 9

Water Type: [ ] Drinking Water [ ] Wastewater
[ ] Ag Water [ ] Groundwater **[x] Monitoring Well**

Name: City of Ione
Billing Address: 1 East Main Street
City: Ione **State:** CA **Zip:** 95640
Telephone: 209-274-2412
Cell:
Email: twaklee@ione-ca.com
COPY TO: mrock@ione-ca.com
jdoersen@ione-ca.com
REQUESTED BY: Todd Waklee
PROJECT: R5-2013-0022 (REV 1)
Site: City of Ione MW Network

Other:

Analysis and Bottles Required: (*Please indicate Analysis*)

Total Coliform, MPN (1x10 MTF; SM 9221B)

(1-100 mL Sterile Plastic w/$Na_2S_2O_3$) Green **bsk** per site

Quarterly

[ ] Co. Health Dept
[ ] RWQCB [X] Copy of Chain
[ ] State Forms [X] QA/QC Documents

Sampled By: Del-Tech/Cassandra Harlan

	Description of Samples	Date Sampled	Time Sampled	Rec'd Temp °C	Field EC
1	MW-1				
2	MW-1A				
3	MW-2				
4	MW-2A	5-17-23	1103	-2.8	
5	MW-3				
6	MW-3A	5-17-23	1129	-0.4	
7	MW-4	5-17-23	1249	-0.3	
8	MW-4A				
9	MW-5A				
10					

IR Thermometer SN: 221314357
Correction Factor: 0°C
Calibration Due: 6/30/2023
Location: Laboratory

CHAIN OF CUSTODY

Carrier	Signature	Company	Received Date/Time	Relinquished Date/Time
First	Cassandra Harlan	Del-Tech	5-17-23 1103	5/17/23 1345
Second	Lisa Dellavalle	DLI	5/17/23 1345	5/18/23 950
Third				
Fourth				

I guarantee that as the client, or on behalf of client named, I have the authority to contract the above requested services. Should it be found that I do not have such authority, I agree to be personally liable for all costs and, if there should be action against me for this breach, reasonable attorneys' fees. It is understood that payment is expected to be cash with samples unless terms have been previously arranged. Terms are net 30 days; overdue accounts will be charged a liquidated damage fee of 2% per month (annually 24%) or $5.00 per month whichever is greater.

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Lisa will invoice

Signature
Sample received in cooler with ice (coolant)
[ ] Yes [ ] No

05/18/23 09:50 23E1604

Shipping Information: Shipped In □ Picked-Up □ Walk In □ DLI Sampler □ Other □ _____

Container: Ice Chest □ Box □ None □ **Refrigerant:** Wet Ice □ Blue Ice □ None □

Samples Preserved with HNO_3 or H_2SO_4 were: □ Received Preserved □ Preserved Upon Receipt at Laboratory

Type of Container(s) Received		Sample Number									
		1	2	3	4	5	6	7	8	9	10
Sample Containers for Internal (DLI) Use *(Containers that go into the Lab)*											
Plastics	100 mL sterile plastic $Na_2S_2O_3$ (Green)										
	250 mL unpreserved (White) Plastic										
	250 mL HNO_3 (Red) Plastic										
	* pH Value										
	250 mL H_2SO_4 (Yellow) Plastic										
	* pH Value										
	500 mL unpreserved (White) Plastic										
	1 L unpreserved (White) Plastic										
	1 L unpreserved (BOD) (Purple) Plastic										
Special	500mL unpreserved (White) Glass										
	PO4-P Kit										
	Other:										
Sample Containers for Subcontracted ("Send Out") Analyses *(Containers that go in the Subcontract ("Send Out") Refrigerator)*											
Plastics	100 mL sterile plastic $Na_2S_2O_3$ (Green)										
	250 mL unpreserved (White) Plastic										
	250 mL HNO_3 (Red) Plastic										
	250 mL H_2SO_4 (Yellow) Plastic										
	500 mL HNO_3 (Red)										
	1 L unpreserved (White) Plastic										
	1 L unpreserved (BOD) (Purple) Plastic										
	1 L HNO_3 (Red)										
VOA Vials	40 mL VOA, $Na_2S_2O_3$ + MCAA (EPA531)										
	40 mL VOA, $Na_2S_2O_3$ (EPA547)										
	40mL AG VOA unpreserved (White) (Set of 3)										
	40 mL AG VOA, $Na_2S_2O_3$ (Green) (Set of 3)										
	40mL VOA, H_3PO_4 (Set of 3)										
	40 mL VOA, HCl (Blue) (Set of 3)										
	40 mL VOA, $Na_2S_2O_3$ (Green) (Set of 3)										
Glass	250 mL AG unpreserved (White)										
	250 mL AG H_2SO_4 (Yellow)										
	250 mL AG $Na_2S_2O_3$ (Green)										
	250 mL AG $Na_2S_2O_3$ + MCAA										
	500 mL glass unpreserved (White)										
	500 mL AG HCl (Blue)										
	1 L AG unpreserved (White)										
	1 L AG H_2SO_4 (Yellow)										
	1 L AG $Na_2S_2O_3$ (Green)										
	1 L AG HCl (Blue)										
Special	Cr^{6+} - 50mL Plastic w/Borate/HCO_3/CO_3										
	Cyanide - 500 mL NaOH										
	Asbestos - 1L P wrapped in foil (Set of 2)										
	Sulfide - 1 L **AG** or **P** NaOH + ZnAc										
	Chlorite/Bromate - 250 mL AG with EDA										
	HAA5 - 250mL AG Ammonium Chlorite										
	DO KIT										
	Other:										
	Other:										

SEND OUT DLI

DELLAVALLE™
LABORATORY INC

City of Ione
1 East Main Street
Lone, CA 95640

Account# 00-0025573
Account Manager: Lisa Rubin
Submitted By: Todd Waklee
Ranch: R5-2013-0022 (REV 1)

Received: 05/18/2023 9:50
Reported: 06/12/2023 11:35

Samples in this Report

Lab ID	Sample	Matrix	Sampled By	Crop	Date Sampled
23E1606-01	MW-2	Monitoring Well	Del-Tech/Ashley Putnam		5/17/2023 12:34
23E1606-02	MW-3	Monitoring Well	Del-Tech/Ashley Putnam		5/17/2023 12:02
23E1606-03	MW-5A	Monitoring Well	Del-Tech/Ashley Putnam		5/17/2023 13:32

Default Cooler — Temperature on Receipt °C: -0.7
Containers Intact
COC/Labels Agree
Received On Ice

Scott McFriedland

Laboratory Director/Technical Manager

ELAP Certification #1595
A2LA Certification #6440.02

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Certificate of Analysis

City of Ione #25573/54
Project: R5-2013-0022

Sample ID: AGE2409-01
Sampled By: Del-Tech / Ashley Putnam
Sample Description: 23E1606-01 // MW-2

Sample Date - Time: 05/17/2023 - 12:34
Matrix: Water
Sample Type: Routine

BSK Associates Laboratory Fresno

Microbiology

Analyte	Method	Result	RL	Units	Batch	Prepared	Analyzed	Qual
Coliform by 1x10 MTF								
Total Coliform	SM 9221B	**<1.1**	1.1	MPN/100 mL	AGE1269	05/18/23 16:57	05/18/23 16:57	HT1.0

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Certificate of Analysis

City of Ione #25573/54
Project: R5-2013-0022

Sample ID: AGE2409-02
Sampled By: Del-Tech / Ashley Putnam
Sample Description: 23E1606-02 // MW-3

Sample Date - Time: 05/17/2023 - 12:02
Matrix: Water
Sample Type: Routine

BSK Associates Laboratory Fresno

Microbiology

Analyte	Method	Result	RL	Units	Batch	Prepared	Analyzed	Qual
Coliform by 1x10 MTF								
Total Coliform	SM 9221B	**<1.1**	1.1	MPN/100 mL	AGE1269	05/18/23 16:57	05/18/23 16:57	HT1.0

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Certificate of Analysis

City of Ione #25573/54
Project: R5-2013-0022

Sample ID: AGE2409-03
Sampled By: Del-Tech / Ashley Putnam
Sample Description: 23E1606-03 // MW-5A

Sample Date - Time: 05/17/2023 - 13:32
Matrix: Water
Sample Type: Routine

BSK Associates Laboratory Fresno

Microbiology

Analyte	Method	Result	RL	Units	Batch	Prepared	Analyzed	Qual
Coliform by 1x10 MTF								
Total Coliform	SM 9221B	**<1.1**	1.1	MPN/100 mL	AGE1269	05/18/23 16:57	05/18/23 16:57	HT1.0

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

DELLAVALLE™
LABORATORY INC

SUBCONTRACT ORDER

Sending Laboratory:

Dellavalle Laboratory Inc.
1910 McKinley, Ste. 110
Fresno, CA 93728-1298
Phone: (559) 233-6129
Fax: (559) 268-8174

Attn: Kaitlynn Shaw
dataentry@dellavallelab.com

After Hours Contact:

Susan Villagran
559-530-1346
Martin James
559-940-2024

PO# 8066041

Subcontracted Laboratory:

BSK & Associates - Stanislaus
687 N. Laverne
Fresno, CA 93727
Phone: (559) 497-2888
Fax: 559 485-6935

Turnaround: Standard ✓ Rush __
State Forms: Yes __ No ✓ Sys#_____

Work Order: 23E1606

Project: R5-2013-0022 (REV 1)

Analysis	Comments
Sample ID: 23E1606-01 ***Monitoring Well*** — ***Sampled: 5/17/2023 12:34PM***	
Client Sample Name: MW-2 — **Sampled By: Del-Tech/Ashley Putnam**	
Coli 1x10 Total Coli:SO	SM 9221 B (MTF)
Containers Supplied:	
Sample ID: 23E1606-02 ***Monitoring Well*** — ***Sampled: 5/17/2023 12:02PM***	
Client Sample Name: MW-3 — **Sampled By: Del-Tech/Ashley Putnam**	
Coli 1x10 Total Coli:SO	SM 9221 B (MTF)
Containers Supplied:	
Sample ID: 23E1606-03 ***Monitoring Well*** — ***Sampled: 5/17/2023 1:32PM***	
Client Sample Name: MW-5A — **Sampled By: Del-Tech/Ashley Putnam**	
Coli 1x10 Total Coli:SO	SM 9221 B (MTF)
Containers Supplied:	

ok to run out of hold time
-KS

Released By	Date	Received By	Date
Released By	Date	Received By	Date

05/18/23 09:50 23E1606

DELLAVALLE LABORATORY, INC.

1910 W. McKinley Avenue, Suite 110 • Fresno, CA 93728
www.dellavallelab.com 559 233-6129 · 800 228-9896 · Fax 559 268-8174

Purchase Order No | Bill To: 25573 Acct # 54 Cons #

Results Need By

No. Samples: ~~9~~ 3 No of Bottles: ~~9~~ 3

Water Type: [ ] Drinking Water [ ] Wastewater
[ ] Ag Water [ ] Groundwater **[x] Monitoring Well**

Name: City of Ione
Billing Address: 1 East Main Street
City: Ione **State:** CA **Zip:** 95640
Telephone: 209-274-2412
Cell:
Email: twaklee@ione-ca.com
COPY TO: mrock@ione-ca.com
jdoersen@ione-ca.com
REQUESTED BY: Todd Waklee
PROJECT: R5-2013-0022 (REV 1)
Site: City of Ione MW Network

Other:

Analysis and Bottles Required: (*Please indicate Analysis*)

Total Coliform, MPN (1x10 MTF; SM 9221B)

(1-100 mL Sterile Plastic w/$Na_2S_2O_3$) Green **bsk** per site

Quarterly
[ ] Co. Health Dept
[ ] RWQCB [X] Copy of Chain
[ ] State Forms [X] QA/QC Documents

Sampled By: DelTech / Ashley Putnam

	Description of Samples	Date Sampled	Time Sampled	Rec'd Temp °C	Field EC
1	MW-1				
2	MW-1A				
3	MW-2	5-17-23	12:34	5.7	
4	MW-2A				
5	MW-3	5-17-23	12:02	-0.6	
6	MW-3A				
7	MW-4				
8	MW-4A				
9	MW-5A	5-17-23	1332	3.8	
10					

IR Thermometer SN: 221314357
Correction Factor: 0°C
Calibration Due: 6/30/2023
Location: Laboratory

CHAIN OF CUSTODY

Carrier	Signature	Company	Received Date/Time	Relinquished Date/Time
First	Ashley Putnam	DelTech	5/17/23 1202	5-17-23 1345
Second	Rick Rubin	DLI	5/17/23 1345	5/18/23 950
Third				
Fourth				

I guarantee that as the client, or on behalf of client named, I have the authority to contract the above requested services. Should it be found that I do not have such authority, I agree to be personally liable for all costs and, if there should be action against me for this breach, reasonable attorneys' fees. It is understood that payment is expected to be cash with samples unless terms have been previously arranged. Terms are net 30 days; overdue accounts will be charged a liquidated damage fee of 2% per month (annually 24%) or $5.00 per month whichever is greater.
If payment is not made when due and a legitimate dispute exists concerning the product or services of Dellavalle Laboratory, Inc., it will be submitted to mediation under the Rules and Procedures of Creative Alternative to Litigation, Inc. (*cal*). If the dispute is not resolved in mediation, then the dispute will be submitted to binding arbitration through *cal* under its Rules and Procedures. The parties will equally bear the costs of mediation/arbitration. If, however, the mediator declares that no legitimate dispute exists, then debtor will pay all mediation and arbitration costs, and in the event of arbitration, reasonable attorneys' fees of Dellavalle Laboratory.

Lisa will invoice

Signature
Sample received in cooler with ice (coolant)
[X] Yes [ ] No

05/18/23 09:50 23E1606

Shipping Information: Shipped In □ Picked-Up □ Walk In □ DLI Sampler □ Other □ _____

Container: Ice Chest □ Box □ None □ **Refrigerant:** Wet Ice □ Blue Ice □ None □

Samples Preserved with HNO_3 or H_2SO_4 were: □ Received Preserved □ Preserved Upon Receipt at Laboratory

Type of Container(s) Received		Sample Number 1	2	3	4	5	6	7	8	9	10
Sample Containers for Internal (DLI) Use *(Containers that go into the Lab)*											
Plastics	100 mL sterile plastic $Na_2S_2O_3$ (Green)										
	250 mL unpreserved (White) Plastic										
	250 mL HNO_3 (Red) Plastic										
	* pH Value										
	250 mL H_2SO_4 (Yellow) Plastic										
	* pH Value										
	500 mL unpreserved (White) Plastic										
	1 L unpreserved (White) Plastic										
	1 L unpreserved (BOD) (Purple) Plastic										
Special	500mL unpreserved (White) Glass										
	PO4-P Kit										
	Other:										
Sample Containers for Subcontracted ("Send Out") Analyses *(Containers that go in the Subcontract ("Send Out") Refrigerator)*											
Plastics	100 mL sterile plastic $Na_2S_2O_3$ (Green)										
	250 mL unpreserved (White) Plastic										
	250 mL HNO_3 (Red) Plastic										
	250 mL H_2SO_4 (Yellow) Plastic										
	500 mL HNO_3 (Red)										
	1 L unpreserved (White) Plastic										
	1 L unpreserved (BOD) (Purple) Plastic										
	1 L HNO_3 (Red)										
VOA Vials	40 mL VOA, $Na_2S_2O_3$ + MCAA (EPA531)										
	40 mL VOA, $Na_2S_2O_3$ (EPA547)										
	40mL AG VOA unpreserved (White) (Set of 3)										
	40 mL AG VOA, $Na_2S_2O_3$ (Green) (Set of 3)										
	40mL VOA, H_3PO_4 (Set of 3)										
	40 mL VOA, HCl (Blue) (Set of 3)										
	40 mL VOA, $Na_2S_2O_3$ (Green) (Set of 3)										
Glass	250 mL AG unpreserved (White)										
	250 mL AG H_2SO_4 (Yellow)										
	250 mL AG $Na_2S_2O_3$ (Green)										
	250 mL AG $Na_2S_2O_3$ + MCAA										
	500 mL glass unpreserved (White)										
	500 mL AG HCl (Blue)										
	1 L AG unpreserved (White)										
	1 L AG H_2SO_4 (Yellow)										
	1 L AG $Na_2S_2O_3$ (Green)										
	1 L AG HCl (Blue)										
Special	Cr^{6+} - 50mL Plastic w/Borate/HCO_3/CO_3										
	Cyanide - 500 mL NaOH										
	Asbestos - 1L P wrapped in foil (Set of 2)										
	Sulfide - 1 L **AG** or **P** NaOH + ZnAc										
	Chlorite/Bromate - 250 mL AG with EDA										
	HAA5 - 250mL AG Ammonium Chlorite										
	DO KIT										
	Other:										
	Other:										

SEND OUT

C:\Users\LRubin\Dropbox\LISA CLIENTS 2021\CITY OF IONE\fieldsheets\City of Ione MW Quarterly Total Coliform R5-2013-0022_REV1

DELLAVALLE™
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City of Ione
1 East Main Street
Lone, CA 95640

Account# 00-0025573
Account Manager: Lisa Rubin
Submitted By: Todd Waklee
Ranch: R5-2013-0022 (REV 1) - City of Ione MW Network

Received: 06/26/2023 16:24
Reported: 06/30/2023 11:22

Samples in this Report

Lab ID	Sample	Matrix	Sampled By	Crop	Date Sampled
23F2301-01	MW-1	Monitoring Well	Del-Tech/Cassandra Harlan		06/26/2023 11:04
23F2301-02	MW-1A	Monitoring Well	Del-Tech/Cassandra Harlan		06/26/2023 10:43
23F2301-03	MW-4A	Monitoring Well	Del-Tech/Cassandra Harlan		06/26/2023 12:36

Default Cooler — Temperature on Receipt °C: 0.4
Containers Intact
COC/Labels Agree

Notes and Definitions

Item	Definition
H	Hold Time Exceeded
MCL	Drinking Water Maximum Contaminant Level
ND	Analyte NOT DETECTED at or above the reporting limit.
NES	Not Enough Sample
*	Not Taken
RPD	Relative Percent Difference
%REC	Percent Recovery
Source	Sample that was matrix spiked or duplicated.



Laboratory Director/Technical Manager

ELAP Certification #1595
A2LA Certification #6440.02

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Received: 06/26/2023 16:24
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Sample Results

Sample: MW-1
23F2301-01 (Water)

Sampled: 6/26/2023 11:04
Sampled By: Del-Tech/Cassandra Harlan

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	**0.35**	mmhos/cm	0.01	1		06/29/23 13:29	SM 2510 B		BEF1135
Electrical Conductivity umhos	**354**	umhos/cm	10.0	1		06/29/23 13:29	SM 2510 B		BEF1135
Iron	ND	mg/L	0.10	1		06/30/23 09:09	EPA 200.7		BEF1076
Manganese	ND	mg/L	0.02	1		06/30/23 09:09	EPA 200.7		BEF1076
Ammonia (as N)	ND	mg/L	0.500	1		06/27/23 12:42	SM 4500-NH3 H		BEF1092
Nitrate Nitrogen as NO3N	**3.3**	mg/L	0.1	1	10	06/26/23 19:14	EPA 300.0		BEF1042
pH	**6.9**	units	1.0	1		06/29/23 13:29	SM 4500-H+	H	BEF1135
Total Filterable Solids (TDS)	**240**	mg/L	10.0	1		06/29/23 13:32	SM 2540 C		BEF1045

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Received: 06/26/2023 16:24
Reported: 06/30/2023 11:22

Sample Results
(Continued)

Sample: MW-1A
23F2301-02 (Water)

Sampled: 6/26/2023 10:43
Sampled By: Del-Tech/Cassandra Harlan

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	**0.42**	mmhos/cm	0.01	1		06/29/23 13:33	SM 2510 B		BEF1135
Electrical Conductivity umhos	**423**	umhos/cm	10.0	1		06/29/23 13:33	SM 2510 B		BEF1135
Iron	ND	mg/L	0.10	1		06/30/23 09:11	EPA 200.7		BEF1076
Manganese	ND	mg/L	0.02	1		06/30/23 09:11	EPA 200.7		BEF1076
Ammonia (as N)	ND	mg/L	0.500	1		06/27/23 12:43	SM 4500-NH3 H		BEF1092
Nitrate Nitrogen as NO3N	**1.9**	mg/L	0.1	1	10	06/26/23 19:34	EPA 300.0		BEF1042
pH	**6.9**	units	1.0	1		06/29/23 13:33	SM 4500-H+	H	BEF1135
Total Filterable Solids (TDS)	**345**	mg/L	10.0	1		06/29/23 13:32	SM 2540 C		BEF1045

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Received: 06/26/2023 16:24
Reported: 06/30/2023 11:22

Sample Results
(Continued)

Sample: MW-4A
23F2301-03 (Water)

Sampled: 6/26/2023 12:36
Sampled By: Del-Tech/Cassandra Harlan

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	**0.46**	mmhos/cm	0.01	1		06/29/23 13:36	SM 2510 B		BEF1135
Electrical Conductivity umhos	**462**	umhos/cm	10.0	1		06/29/23 13:36	SM 2510 B		BEF1135
Iron	ND	mg/L	0.10	1		06/30/23 09:12	EPA 200.7		BEF1076
Manganese	**0.02**	mg/L	0.02	1		06/30/23 09:12	EPA 200.7		BEF1076
Ammonia (as N)	ND	mg/L	0.500	1		06/27/23 12:45	SM 4500-NH3 H		BEF1092
Nitrate Nitrogen as NO3N	**2.4**	mg/L	0.1	1	10	06/26/23 19:54	EPA 300.0		BEF1042
pH	**7.0**	units	1.0	1		06/29/23 13:36	SM 4500-H+	H	BEF1135
Total Filterable Solids (TDS)	**260**	mg/L	10.0	1		06/29/23 13:32	SM 2540 C		BEF1045

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Quality Control

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEF1042										
Blank (BEF1042-BLK1)					Prepared & Analyzed: 6/26/2023					
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
Blank (BEF1042-BLK2)					Prepared & Analyzed: 6/26/2023					
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
LCS (BEF1042-BS1)					Prepared & Analyzed: 6/26/2023					
Nitrate Nitrogen as NO3N	5.1		0.1	mg/L	5.000		102	90-110		
Duplicate (BEF1042-DUP1)		**Source: 23F2301-03**			Prepared & Analyzed: 6/26/2023					
Nitrate Nitrogen as NO3N	2.4		0.1	mg/L		2.4			0.378	10
Matrix Spike (BEF1042-MS1)		**Source: 23F2301-03**			Prepared & Analyzed: 6/26/2023					
Nitrate Nitrogen as NO3N	7.8		0.1	mg/L	5.000	2.4	109	90-110		
Reference (BEF1042-SRM1)					Prepared & Analyzed: 6/26/2023					
Nitrate Nitrogen as NO3N	10.1			mg/L	10.00		101	90-110		
Reference (BEF1042-SRM2)					Prepared & Analyzed: 6/26/2023					
Nitrate Nitrogen as NO3N	10.2			mg/L	10.00		102	90-110		

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Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEF1045										
Blank (BEF1045-BLK1)					Prepared: 6/27/2023 Analyzed: 6/29/2023					
Total Filterable Solids (TDS)	ND		10.0	mg/L						
LCS (BEF1045-BS1)					Prepared: 6/27/2023 Analyzed: 6/29/2023					
Total Filterable Solids (TDS)	27.5		10.0	mg/L	2000		1.38	0-200		
Duplicate (BEF1045-DUP1)		**Source: 23F2321-01**			Prepared: 6/27/2023 Analyzed: 6/29/2023					
Total Filterable Solids (TDS)	5190		10.0	mg/L		5260			1.34	5
Reference (BEF1045-SRM1)					Prepared: 6/27/2023 Analyzed: 6/29/2023					
Total Filterable Solids (TDS)	320			mg/L	325.0		98.5	90-110		
Reference (BEF1045-SRM2)					Prepared: 6/27/2023 Analyzed: 6/29/2023					
Total Filterable Solids (TDS)	1400			mg/L	1430		98.3	90-110		

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Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEF1076										
Blank (BEF1076-BLK1)					Prepared: 6/26/2023 Analyzed: 6/30/2023					
Manganese	ND		0.02	mg/L						
Iron	ND		0.10	mg/L						
Blank (BEF1076-BLK2)					Prepared: 6/26/2023 Analyzed: 6/30/2023					
Manganese	ND		0.02	mg/L						
Iron	ND		0.10	mg/L						
LCS (BEF1076-BS1)					Prepared: 6/26/2023 Analyzed: 6/30/2023					
Iron	6.84		0.10	mg/L	7.143		95.7	90-110		
Manganese	6.80		0.02	mg/L	7.143		95.3	90-110		
LCS (BEF1076-BS2)					Prepared & Analyzed: 6/30/2023					
Iron	7.09		0.10	mg/L	7.143		99.3	90-110		
Manganese	7.06		0.02	mg/L	7.143		98.8	90-110		
Duplicate (BEF1076-DUP1)		**Source: 23F2277-01**			Prepared & Analyzed: 6/30/2023					
Iron	0.008		0.10	mg/L		0.01			38.3	15
Manganese	0.26		0.02	mg/L		0.27			0.679	15
Matrix Spike (BEF1076-MS1)		**Source: 23F2277-01**			Prepared & Analyzed: 6/30/2023					
Iron	6.96		0.10	mg/L	7.143	0.01	97.3	90-110		
Manganese	7.19		0.02	mg/L	7.143	0.27	96.9	90-110		
Matrix Spike (BEF1076-MS2)		**Source: 23F2421-01**			Prepared & Analyzed: 6/30/2023					
Manganese	7.05		0.02	mg/L	7.143	ND	98.7	90-110		
Iron	7.08		0.10	mg/L	7.143	0.01	99.0	90-110		
Reference (BEF1076-SRM1)					Prepared: 6/26/2023 Analyzed: 6/30/2023					
Iron	1.99			mg/L	1.910		104	90-110		
Manganese	1.49			mg/L	1.400		106	90-110		

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Received: 06/26/2023 16:24
Reported: 06/30/2023 11:22

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEF1092										
Blank (BEF1092-BLK1)					Prepared & Analyzed: 6/27/2023					
Ammonia (as N)	ND		0.500	mg/L						
LCS (BEF1092-BS1)					Prepared & Analyzed: 6/27/2023					
Ammonia (as N)	10.4		0.500	mg/L	9.990		104	90-110		
Duplicate (BEF1092-DUP1)			**Source: 23F2301-02**		Prepared & Analyzed: 6/27/2023					
Ammonia (as N)	ND		0.500	mg/L		ND				10
Matrix Spike (BEF1092-MS1)			**Source: 23F2301-02**		Prepared & Analyzed: 6/27/2023					
Ammonia (as N)	10.7		0.500	mg/L	9.990	ND	107	90-110		
Reference (BEF1092-SRM1)					Prepared & Analyzed: 6/27/2023					
Ammonia (as N)	5.39			mg/L	5.470		98.5	90-110		

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Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEF1135										
Blank (BEF1135-BLK1)					Prepared: 6/28/2023 Analyzed: 6/29/2023					
pH	5.4		1.0	units						
Electrical Conductivity	ND		0.01	mmhos/cm						
Electrical Conductivity umhos	ND		10.0	umhos/cm						
Blank (BEF1135-BLK2)					Prepared: 6/28/2023 Analyzed: 6/29/2023					
pH	5.5		1.0	units						
Electrical Conductivity	ND		0.01	mmhos/cm						
Electrical Conductivity umhos	ND		10.0	umhos/cm						
Blank (BEF1135-BLK3)					Prepared: 6/28/2023 Analyzed: 6/29/2023					
pH	5.5		1.0	units						
Electrical Conductivity	ND		0.01	mmhos/cm						
Electrical Conductivity umhos	ND		10.0	umhos/cm						
Duplicate (BEF1135-DUP1)		**Source: 23F2416-01**			Prepared: 6/28/2023 Analyzed: 6/29/2023					
Electrical Conductivity	0.04		0.01	mmhos/cm		0.04			1.66	10
pH	7.0		1.0	units		7.0			0.287	10
Electrical Conductivity umhos	35.8		10.0	umhos/cm		36.4			1.66	10
Duplicate (BEF1135-DUP2)		**Source: 23F2416-02**			Prepared: 6/28/2023 Analyzed: 6/29/2023					
pH	7.2		1.0	units		6.9			4.12	10
Electrical Conductivity	0.04		0.01	mmhos/cm		0.04			2.71	10
Electrical Conductivity umhos	36.4		10.0	umhos/cm		37.4			2.71	10
Reference (BEF1135-SRM1)					Prepared: 6/28/2023 Analyzed: 6/29/2023					
Electrical Conductivity	544			umhos/cm	538.0		101	90-110		
Reference (BEF1135-SRM2)					Prepared: 6/28/2023 Analyzed: 6/29/2023					
Electrical Conductivity	546			umhos/cm	538.0		101	90-110		
Reference (BEF1135-SRM3)					Prepared: 6/28/2023 Analyzed: 6/29/2023					
Electrical Conductivity	548			umhos/cm	538.0		102	90-110		
Reference (BEF1135-SRM4)					Prepared: 6/28/2023 Analyzed: 6/29/2023					
pH	4.0			units	4.000		100	97.5-102.5		
Reference (BEF1135-SRM5)					Prepared: 6/28/2023 Analyzed: 6/29/2023					
pH	4.0			units	4.000		100	97.5-102.5		
Reference (BEF1135-SRM6)					Prepared: 6/28/2023 Analyzed: 6/29/2023					
pH	4.0			units	4.000		100	97.5-102.5		

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Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEF1135 (Continued)										
Reference (BEF1135-SRM7)					Prepared: 6/28/2023 Analyzed: 6/29/2023					
pH	7.8			units	7.790		100	.7163-101.28		

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06/26/23 16:24 23F2301

F2301

JG

DELLAVALLE LABORATORY, INC.

1910 W. McKinley Avenue, Suite 110 • Fresno, CA 93728
www.dellavallelab.com 559 233-6129 · 800 228-9896 · Fax 559 268-8174

Purchase Order No | Bill To: 25573 Acct # 54 Cons #

Results Need By

Name: City of Ione
Billing Address: 1 East Main Street
City: Ione **State:** CA **Zip:** 95640
Telephone: 209-274-2412
Cell:
Email: twaklee@ione-ca.com
COPY TO: agedney@ione-ca.com
jdoersen@ione-ca.com
REQUESTED BY: Todd Waklee
PROJECT: R5-2013-0022 (REV 1)
Site: City of Ione MW Network

[ ] Co. Health Dept
[ ] RWQCB [X] Copy of Chain
[ ] State Forms [X] QA/QC Documents

No. Samples: No of Bottles:

Water Type: [ ] Drinking Water [ ] Wastewater
[ ] Ag Water [ ] Groundwater **[x] Monitoring Well**

Other:

Analysis and Bottles Required: (*Please indicate Analysis*)

[X] **Quarterly**
pH, EC, TDS, NO_3N, NH_4-N, Dissolved Fe and Mn

(1-1 Liter Plastic, Unpreserved) White per site
(1-250 mL Plastic w/H_2SO_4) NH_4-N Yellow per site

[ ] **Annually**
Dissolved General Mineral (No MBAS), Dissolved: **As**, Al, B, K,
NH4-N, TKN, TN

(1-1 Liter Plastic, Unpreserved) per site
(1-250 mL Plastic, Unpreserved) As White **BSK** per site
(1-250 mL Plastic w/H_2SO_4) TKN Yellow per site

Sampled By: Del-Tech / Cassandra Harlan

	Description of Samples	Date Sampled	Time Sampled	Rec'd Temp °C	Field EC
1	MW-1	6-26-23	1104	0.4	
2	MW-1A		1043	0.0	
3	MW-4A		1236	-0.2	
4					
5					
6					
7					
8					
9					

IR Thermometer SN: 200560723
Correction Factor: 0°C
Calibration Due: 6/30/2023
Location: Laboratory

CHAIN OF CUSTODY

Carrier	Signature	Company	Received Date/Time	Relinquished Date/Time
First	Cassandra Harlan	Del-Tech		6-26-23/1325
Second	Rick Rubin	DLL	6-26-23 1325	6/26/23 415
Third				
Fourth		DLL	6-46-23 4:24	

I guarantee that as the client, or on behalf of client named, I have the authority to contract the above requested services. Should it be found that I do not have such authority, I agree to be personally liable for all costs and, if there should be action against me for this breach, reasonable attorneys' fees. It is understood that payment is expected to be cash with samples unless terms have been previously arranged. Terms are net 30 days; overdue accounts will be charged a liquidated damage fee of 2% per month (annually 24%) or $5.00 per month whichever is greater.

If payment is not made when due and a legitimate dispute exists concerning the product or services of Dellavalle Laboratory, Inc., it will be submitted to mediation under the Rules and Procedures of Creative Alternative to Litigation, Inc. (*cal*). If the dispute is not resolved in mediation, then the dispute will be submitted to binding arbitration through ***cal*** under its Rules and Procedures. The parties will equally bear the costs of mediation/arbitration. If, however, the mediator declares that no legitimate dispute exists, then debtor will pay all mediation and arbitration costs, and in the event of arbitration, reasonable attorneys' fees of Dellavalle Laboratory.

Lisa will invoice

Signature
Sample received in cooler with ice (c
[ ] Yes [ ] No

Paste Label Here

06/26/23 16:24 23F2301

Shipping Information: Shipped In ☐ Picked-Up ☐ Walk In ☐ DLI Sampler ☐ Other ☐ _____

Container: Ice Chest ☐ Box ☐ None ☐ **Refrigerant:** Wet Ice ☐ Blue Ice ☐ None ☐

Samples Preserved with HNO_3 or H_2SO_4 were: ☐ Received Preserved ☐ Preserved Upon Receipt at Laboratory

	Type of Container(s) Received	Sample Number 1	2	3	4	5	6	7	8	9	10
Sample Containers for Internal (DLI) Use *(Containers that go into the Lab)*											
Plastics	100 mL sterile plastic $Na_2S_2O_3$ (Green)										
Plastics	250 mL unpreserved (White) Plastic										
Plastics	250 mL HNO_3 (Red) Plastic										
Plastics	* pH Value										
Plastics	250 mL H_2SO_4 (Yellow) Plastic										
Plastics	* pH Value	≤2	≤2	≤2							
Plastics	500 mL unpreserved (White) Plastic										
Plastics	1 L unpreserved (White) Plastic	1	1	1							
Plastics	1 L unpreserved (BOD) (Purple) Plastic										
Special	500mL unpreserved (White) Glass										
Special	PO4-P Kit										
Special	**Other:**										
Sample Containers for Subcontracted ("Send Out") Analyses *(Containers that go in the Subcontract ("Send Out") Refrigerator)*											
Plastics	100 mL sterile plastic $Na_2S_2O_3$ (Green)										
Plastics	250 mL unpreserved (White) Plastic										
Plastics	250 mL HNO_3 (Red) Plastic										
Plastics	250 mL H_2SO_4 (Yellow) Plastic										
Plastics	500 mL HNO_3 (Red)										
Plastics	1 L unpreserved (White) Plastic										
Plastics	1 L unpreserved (BOD) (Purple) Plastic										
Plastics	1 L HNO_3 (Red)										
VOA Vials	40 mL VOA, $Na_2S_2O_3$ + MCAA (EPA531)										
VOA Vials	40 mL VOA, $Na_2S_2O_3$ (EPA547)										
VOA Vials	40mL AG VOA unpreserved (White) (Set of 3)										
VOA Vials	40 mL AG VOA, $Na_2S_2O_3$ (Green) (Set of 3)										
VOA Vials	40mL VOA, H_3PO_4 (Set of 3)										
VOA Vials	40 mL VOA, HCl (Blue) (Set of 3)										
VOA Vials	40 mL VOA, $Na_2S_2O_3$ (Green) (Set of 3)										
Glass	250 mL AG unpreserved (White)										
Glass	250 mL AG H_2SO_4 (Yellow)										
Glass	250 mL AG $Na_2S_2O_3$ (Green)										
Glass	250 mL AG $Na_2S_2O_3$ + MCAA										
Glass	500 mL glass unpreserved (White)										
Glass	500 mL AG HCl (Blue)										
Glass	1 L AG unpreserved (White)										
Glass	1 L AG H_2SO_4 (Yellow)										
Glass	1 L AG $Na_2S_2O_3$ (Green)										
Glass	1 L AG HCl (Blue)										
Special	Cr^{6+} - 50mL Plastic w/Borate/HCO_3/CO_3										
Special	Cyanide - 500 mL NaOH										
Special	Asbestos - 1L P wrapped in foil (Set of 2)										
Special	Sulfide - 1 L **AG** or **P** NaOH + ZnAc										
Special	Chlorite/Bromate - 250 mL AG with EDA										
Special	HAA5 - 250mL AG Ammonium Chlorite										
Special	DO KIT										
Special	**Other:**										
Special	**Other:**										

SEND OUT

DELLAVALLE™
LABORATORY INC

City of Ione
1 East Main Street
Lone, CA 95640

Account# 00-0025573
Account Manager: Lisa Rubin
Submitted By:
Ranch: R5-2013-0022 (REV 1)

Received: 06/26/2023 16:12
Reported: 07/11/2023 11:20

Samples in this Report

Lab ID	Sample	Matrix	Sampled By	Crop	Date Sampled
23F2299-01	MW-1	Monitoring Well	Del-Tech/Cassandra Hanan		6/26/2023 11:04
23F2299-02	MW-1A	Monitoring Well	Del-Tech/Cassandra Hanan		6/26/2023 10:43
23F2299-03	MW-4A	Monitoring Well	Del-Tech/Cassandra Hanan		6/26/2023 12:36

Default Cooler — Temperature on Receipt °C: 5.8
Containers Intact
COC/Labels Agree
Received On Ice

Scott McFriedland

Laboratory Director/Technical Manager

ELAP Certification #1595
A2LA Certification #6440.02

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Certificate of Analysis

City of Ione #25573/54
Project: R5-2013-0022 (Rev 1)

Sample ID: AGF3362-01
Sampled By: Deltech / Cassandra
Sample Description: 23F2299-01 // MW-1

Sample Date - Time: 06/26/2023 - 11:04
Matrix: Water
Sample Type: Routine

BSK Associates Laboratory Fresno

Microbiology

Analyte	Method	Result	RL	Units	Batch	Prepared	Analyzed	Qual
Coliform by 3x5 MTF								
Total Coliform	SM 9221B	**<1.8**	1.8	MPN/100 mL	AGF1748	06/26/23 17:32	06/26/23 17:32	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Certificate of Analysis

City of Ione #25573/54
Project: R5-2013-0022 (Rev 1)

Sample ID: AGF3362-02
Sampled By: Deltech / Cassandra
Sample Description: 23F2299-02 // MW-1A

Sample Date - Time: 06/26/2023 - 10:43
Matrix: Water
Sample Type: Routine

BSK Associates Laboratory Fresno

Microbiology

Analyte	Method	Result	RL	Units	Batch	Prepared	Analyzed	Qual
Coliform by 3x5 MTF								
Total Coliform	SM 9221B	**2**	1.8	MPN/100 mL	AGF1748	06/26/23 17:32	06/26/23 17:32	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Certificate of Analysis

City of Ione #25573/54
Project: R5-2013-0022 (Rev 1)

Sample ID: AGF3362-03
Sampled By: Deltech / Cassandra
Sample Description: 23F2299-03 // MW-4A

Sample Date - Time: 06/26/2023 - 12:36
Matrix: Water
Sample Type: Routine

BSK Associates Laboratory Fresno

Microbiology

Analyte	Method	Result	RL	Units	Batch	Prepared	Analyzed	Qual
Coliform by 3x5 MTF								
Total Coliform	SM 9221B	**<1.8**	1.8	MPN/100 mL	AGF1748	06/26/23 17:32	06/26/23 17:32	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

06/26/23 16:12 23F2299

DELLAVALLE LABORATORY, INC.

1910 W. McKinley Avenue, Suite 110 • Fresno, CA 93728
www.dellavallelab.com 559 233-6129 · 800 228-9896 · Fax 559 268-8174

Purchase Order No | Bill To: 25573 Acct # 54 Cons #

Results Need By

Name: City of Ione
Billing Address: 1 East Main Street
City: Ione **State:** CA **Zip:** 95640
Telephone: 209-274-2412
Cell:
Email: twaklee@ione-ca.com
COPY TO: agedney@ione-ca.com
jdoersen@ione-ca.com
REQUESTED BY: Todd Waklee
PROJECT: R5-2013-0022 (REV 1)
Site: City of Ione MW Network

No. Samples: 3 No of Bottles: 3

Water Type: [ ] Drinking Water [ ] Wastewater
[ ] Ag Water [ ] Groundwater **[x] Monitoring Well**

Other:

Analysis and Bottles Required: (*Please indicate Analysis*)

Total Coliform, MPN (3X5 MTF; SM 9221B)
No E. coli

(1-100 mL Sterile Plastic w/$Na_2S_2O_3$) Green **bsk** per site

Quarterly
[ ] Co. Health Dept
[ ] RWQCB [X] Copy of Chain
[ ] State Forms [X] QA/QC Documents

Sampled By: DelTech/Cassandra Hanan

	Description of Samples	Date Sampled	Time Sampled	Rec'd Temp °C	Field EC
1	MW-1	6-26-23	1104	5.8	
2	MW-1A		1043	2.1	
3	MW-4A	CH	1236	3.6	
4					
5					
6					
7					
8					
9					
10					

CHAIN OF CUSTODY

Carrier	Signature	Company	Received Date/Time	Relinquished Date/Time
First	Cassandra Hanan	DelTech		6-26-23 1325
Second	Kristi Ruben	DLI	6/26/23 1325	6/26/23 415
Third				
Fourth	KS	for DLI	6-26-23 4:15	

I guarantee that as the client, or on behalf of client named, I have the authority to contract the above requested services. Should it be found that I do not have such authority, I agree to be personally liable for all costs and, if there should be action against me for this breach, reasonable attorneys' fees. It is understood that payment is expected to be cash with samples unless terms have been previously arranged. Terms are net 30 days; overdue accounts will be charged a liquidated damage fee of 2% per month (annually 24%) or $5.00 per month whichever is greater.

If payment is not made when due and a legitimate dispute exists concerning the product or services of Dellavalle Laboratory, Inc., it will be submitted to mediation under the Rules and Procedures of Creative Alternative to Litigation, Inc. (*cal*). If the dispute is not resolved in mediation, then the dispute will be submitted to binding arbitration through *cal* under its Rules and Procedures. The parties will equally bear the costs of mediation/arbitration. If, however, the mediator declares that no legitimate dispute exists, then debtor will pay all mediation and arbitration costs, and in the event of arbitration, reasonable attorneys' fees of Dellavalle Laboratory.

Lisa will invoice

Signature

Sample received in cooler with ice (coolant)
[X] Yes [ ] No

X:\1-CLIENT CUSTOM FIELDSHEETS\FIELDSHEETS\WATERS\City of Ione MW Quarterly Total Coliform 11.5.22

06/26/23 16:12 23F2299

Shipping Information: Shipped In ☐ Picked-Up ☑ Walk In ☐ DLI Sampler ☐ Other ☐ _____

Container: Ice Chest ☑ Box ☐ None ☐ **Refrigerant:** Wet Ice ☑ Blue Ice ☐ None ☐

Samples Preserved with HNO_3 or H_2SO_4 were: ☐ Received Preserved ☐ Preserved Upon Receipt at Laboratory

Type of Container(s) Received		Sample Number									
		1	2	3	4	5	6	7	8	9	10
Sample Containers for Internal (DLI) Use *(Containers that go into the Lab)*											
Plastics	100 mL sterile plastic $Na_2S_2O_3$ (Green)										
	250 mL unpreserved (White) Plastic										
	250 mL HNO_3 (Red) Plastic										
	* pH Value										
	250 mL H_2SO_4 (Yellow) Plastic										
	* pH Value										
	500 mL unpreserved (White) Plastic										
	1 L unpreserved (White) Plastic										
	1 L unpreserved (BOD) (Purple) Plastic										
Special	500mL unpreserved (White) Glass										
	PO4-P Kit										
	Other:										
Sample Containers for Subcontracted ("Send Out") Analyses *(Containers that go in the Subcontract ("Send Out") Refrigerator)*											
Plastics	100 mL sterile plastic $Na_2S_2O_3$ (Green)	(	(	(							
	250 mL unpreserved (White) Plastic										
	250 mL HNO_3 (Red) Plastic										
	250 mL H_2SO_4 (Yellow) Plastic										
	500 mL HNO_3 (Red)										
	1 L unpreserved (White) Plastic										
	1 L unpreserved (BOD) (Purple) Plastic										
	1 L HNO_3 (Red)										
VOA Vials	40 mL VOA, $Na_2S_2O_3$ + MCAA (EPA531)										
	40 mL VOA, $Na_2S_2O_3$ (EPA547)										
	40mL AG VOA unpreserved (White) (Set of 3)										
	40 mL AG VOA, $Na_2S_2O_3$ (Green) (Set of 3)										
	40mL VOA, H_3PO_4 (Set of 3)										
	40 mL VOA, HCl (Blue) (Set of 3)										
	40 mL VOA, $Na_2S_2O_3$ (Green) (Set of 3)										
Glass	250 mL AG unpreserved (White)										
	250 mL AG H_2SO_4 (Yellow)										
	250 mL AG $Na_2S_2O_3$ (Green)										
	250 mL AG $Na_2S_2O_3$ + MCAA										
	500 mL glass unpreserved (White)										
	500 mL AG HCl (Blue)										
	1 L AG unpreserved (White)										
	1 L AG H_2SO_4 (Yellow)										
	1 L AG $Na_2S_2O_3$ (Green)										
	1 L AG HCl (Blue)										
Special	Cr^{6+} - 50mL Plastic w/Borate/HCO_3/CO_3										
	Cyanide - 500 mL NaOH										
	Asbestos - 1L P wrapped in foil (Set of 2)										
	Sulfide - 1 L **AG** or **P** NaOH + ZnAc										
	Chlorite/Bromate - 250 mL AG with EDA										
	HAA5 - 250mL AG Ammonium Chlorite										
	DO KIT										
	Other:										
	Other:										

SEND OUT

SUBCONTRACT

DELLAVALLE™
LABORATORY INC

06/26/23 16:12 23F2299

Sending Laboratory:

Dellavalle Laboratory Inc.
1910 McKinley, Ste. 110
Fresno, CA 93728-1298
Phone: (559) 233-6129
Fax: (559) 268-8174

Attn: Kaitlynn Shaw
dataentry@dellavallelab.com

After Hours Contact:

Susan Villagran
559-530-1346
Martin James
559-940-2024

PO# 584341

Subcontracted Laboratory:

BSK & Associates - Stanislaus
687 N. Laverne
Fresno, CA 93727
Phone: (559) 497-2888
Fax: 559 485-6935

Turnaround: Standard X Rush __
State Forms: Yes __ No X Sys#_____

Work Order: 23F2299 **Project: R5-2013-0022 (REV 1)**

Analysis

Sample ID: 23F2299-01 ***Monitoring Well*** ***Sampled: 6/26/2023 11:04AM***
Client Sample Name: MW-1 **Sampled By: Del-Tech/Cassandra**

Comments

Coli 3x5 Total Coli:SO

Containers Supplied:

Sample ID: 23F2299-02 ***Monitoring Well*** ***Sampled: 6/26/2023 10:43AM***
Client Sample Name: MW-1A **Sampled By: Del-Tech/Cassandra**

Comments

Coli 3x5 Total Coli:SO

Containers Supplied:

Sample ID: 23F2299-03 ***Monitoring Well*** ***Sampled: 6/26/2023 12:36PM***
Client Sample Name: MW-4A **Sampled By: Del-Tech/Cassandra**

Comments

Coli 3x5 Total Coli:SO

Containers Supplied:

Released By	Date	Received By	Date
Released By	Date	Received By	Date

End of Report

CITY OF IONE
IONE, CA 95640

Agenda Item #G1

DATE: **AUGUST 1, 2023**

TO: **THE HONORABLE MAYOR AND MEMBERS OF THE CITY COUNCIL**

FROM: **JODI STENECK, FINANCE MANAGER**

SUBJECT: **AUGUST 1, 2023 WARRANTS**

RECOMMENDED ACTION:
Staff recommends that the council review and approve the attached report for payment totaling $443,552.52.

FISCAL IMPACT:
$443,552.52

BACKGROUND:
The warrants include $330,604.00 which is the annual liability premium for fiscal year 2023-24 and the 1st quarter 2023-24 workers compensation premium for $17,884.50.

DISCUSSION:

ATTACHMENTS:
Warrant list dated 8-1-23

Invoice Number	Seq.#	Description	Invoice Date	GL Peri	GL Account Number	Activity #	GL Account Description	Net Invoice Check Amount
ABC PLUMBING HEATING & AIR COND INC								
I3775	1	HYDRO MAINTENANCE/CLEANED 1/2/SOUTH3 LIFT STATIONS/HEADWORKS/ADDITIONAL MAN	07/19/23	07/23	3111-50-6193	0	MAINT OF COLLECTION SYSTEM	3,176.25
Total I3775:								3,176.25
ACES								
692095	1	1 2YD 1.WK JUL CHARGES	07/01/23	07/23	1111-92-6190	0	MAINT OF BLDGS, STRUCT, GROUND	605.27
Total 692095:								605.27
692620	1	10YD DB REMOVE; TONNAGE; FUEL SURCHARGE	07/01/23	07/23	1111-92-6170	0	UTILITIES	328.95
Total 692620:								328.95
694498	1	1.5YD LOOSE TRASH/COUNTY FACILITY FEE/COUNTY SURCHARGE	07/01/23	07/23	1111-92-6190	0	MAINT OF BLDGS, STRUCT, GROUND	44.50
Total 694498:								44.50
ALHAMBRA								
12249493070923	1	DRINKING WATER	07/09/23	07/23	1111-94-6111	0	OFFICE EXPENSE	277.97
Total 12249493070923:								277.97
ALPHA ANALYTICAL LABORATORIES INC								
3073232-CVRK_JW	1	CV BOD BY SM 5210B (5 DAY)/CV Nitrate	07/13/23	07/23	3111-50-6220	0	OTHER CONTRACTUAL SERVICES	75.00
Total 3073232-CVRK_JWS:								75.00
3073265-CVRK_JW	1	CV BOD BY SM5210B	07/13/23	07/23	3111-50-6220	0	OTHER CONTRACTUAL SERVICES	42.00
Total 3073265-CVRK_JWS:								42.00
3073561-CVRK_JW	1	CV TOTAL COLIFORM 15 TUBE BY SM9221A,B	07/14/23	07/23	3111-50-6220	0	OTHER CONTRACTUAL SERVICES	42.00
Total 3073561-CVRK_JWS:								42.00
3073650-CVRK_JW	1	CV TOTAL COLIFORM 15 TUBE BY SM9221A,B	07/14/23	07/23	3111-50-6220	0	OTHER CONTRACTUAL SERVICES	42.00

Invoice Number	Seq.#	Description	Invoice Date	GL Peri	GL Account Number	Activity #	GL Account Description	Net Invoice Check Amount
Total 3073650-CVRK_JWS:								42.00
3073652-CVRK_JW	1	CV TOTAL COLIFORM 15 TUBE BY SM9221A,B	07/14/23	07/23	3111-50-6220	0	OTHER CONTRACTUAL SERVICES	42.00
Total 3073652-CVRK_JWS:								42.00
3073670-CVRK_JW	1	ARSENIC/CV CONDUCTIVITY/METALS PREP	07/14/23	07/23	3111-50-6220	0	OTHER CONTRACTUAL SERVICES	35.00
Total 3073670-CVRK_JWS:								35.00
3073683-CVRK_JW	1	VOLATILES BY EPA 8260/HANDLING AND DISPOSAL	07/14/23	07/23	3111-50-6220	0	OTHER CONTRACTUAL SERVICES	420.00
Total 3073683-CVRK_JWS:								420.00
3073792-CVRK_JW	1	CV BOD BY SM 5210B (5 DAY)	07/18/23	07/23	3111-50-6220	0	OTHER CONTRACTUAL SERVICES	42.00
Total 3073792-CVRK_JWS:								42.00
3073870-CVRK_JW	1	CV BOD BY SM 5210B (5 DAY)	07/18/23	07/23	3111-50-6220	0	OTHER CONTRACTUAL SERVICES	42.00
Total 3073870-CVRK_JWS:								42.00
3073871-CVRK_JW	1	CV BOD BY SM 5210B (5 DAY)	07/18/23	07/23	3111-50-6220	0	OTHER CONTRACTUAL SERVICES	42.00
Total 3073871-CVRK_JWS:								42.00
3073872-CVRK_JW	1	CV TOTAL COLIFORM 15 TUBE BY SM9221A,B	07/18/23	07/23	3111-50-6220	0	OTHER CONTRACTUAL SERVICES	42.00
Total 3073872-CVRK_JWS:								42.00
3073873-CVRK_JW	1	CV TOTAL COLIFORM 15 TUBE BY SM9221A,B	07/18/23	07/23	3111-50-6220	0	OTHER CONTRACTUAL SERVICES	42.00
Total 3073873-CVRK_JWS:								42.00
3073886-CVRK_JW	1	CV TOTAL COLIFORM 15 TUBE BY SM9221A,B	07/18/23	07/23	3111-50-6220	0	OTHER CONTRACTUAL SERVICES	42.00
Total 3073886-CVRK_JWS:								42.00
3073888-CVRK_JW	1	CV TOTAL COLIFORM 15 TUBE BY SM9221A,B	07/18/23	07/23	3111-50-6220	0	OTHER CONTRACTUAL SERVICES	42.00

Invoice Number	Seq.#	Description	Invoice Date	GL Peri	GL Account Number	Activity #	GL Account Description	Net Invoice Check Amount
Total 3073888-CVRK_JWS:								42.00
3074189-CVRK_JW	1	CV TOTAL COLIFORM 15 TUBE BY SM9221A,B	07/19/23	07/23	3111-50-6220	0	OTHER CONTRACTUAL SERVICES	42.00
Total 3074189-CVRK_JWS:								42.00
3074454-CVRK_JW	1	CV TOTAL COLIFORM 15 TUBE BY SM9221A,B	07/20/23	07/23	3111-50-6220	0	OTHER CONTRACTUAL SERVICES	42.00
Total 3074454-CVRK_JWS:								42.00
3074501-CVRK_JW	1	CV BOD/CV NITRATE	07/20/23	07/23	3111-50-6220	0	OTHER CONTRACTUAL SERVICES	75.00
Total 3074501-CVRK_JWS:								75.00
3074643-CVRK_JW	1	CV TOTAL COLIFORM 15 TUBE BY SM9221A,B	07/21/23	07/23	3111-50-6220	0	OTHER CONTRACTUAL SERVICES	42.00
Total 3074643-CVRK_JWS:								42.00
3074808-CVRK_JW	1	CV TOTAL COLIFORM 15 TUBE BY SM9221A,B	07/24/23	07/23	3111-50-6220	0	OTHER CONTRACTUAL SERVICES	42.00
Total 3074808-CVRK_JWS:								42.00
3074812-CVRK_JW	1	CV TOTAL COLIFORM 15 TUBE BY SM9221A,B	07/24/23	07/23	3111-50-6220	0	OTHER CONTRACTUAL SERVICES	42.00
Total 3074812-CVRK_JWS:								42.00
3074913-CVRK_JW	1	CV BOD/CV CONDUCTIVITY/CV TOTAL DISSOLVED/TOTAL NITROGEN	07/25/23	07/23	3111-50-6220	0	OTHER CONTRACTUAL SERVICES	214.00
Total 3074913-CVRK_JWS:								214.00
AMADOR COUNTY SHERIFF'S DEPT								
32021170	1	RiMS Annual Support Services	07/11/23	07/23	1111-70-6220	0	OTHER CONTRACTUAL SERVICES	674.17
Total 32021170:								674.17
AMADOR WATER AGENCY								
32020170	1	005018-004-39 MAIN & PRESTON	07/10/23	07/23	1111-92-6170	0	UTILITIES	65.61
32020170	2	005018-018-600 PRESTON AVE	07/10/23	07/23	1111-75-6170	0	UTILITIES	135.59
32020170	3	005018-002-22 WJACKSON ST	07/10/23	07/23	1111-75-6170	0	UTILITIES	65.61

Invoice Number	Seq.#	Description	Invoice Date	GL Peri	GL Account Number	Activity #	GL Account Description	Net Invoice Check Amount
32020170	4	005018-020-HYDRANT METER	07/10/23	07/23	3131-50-6170	0	UTILITIES	60.00
32020170	5	005018-021-HYDRANT METER	07/10/23	07/23	3131-50-6170	0	UTILITIES	232.57
32020170	6	005018-006-846 SUTTER LN	07/10/23	07/23	1111-94-6170	0	UTILITIES	166.03
32020170	7	005018-008-437 QUAILHOLLOW DR	07/10/23	07/23	1111-92-6170	0	UTILITIES	311.32
32020170	8	005018-009-431 QUAILHOLLOW DR	07/10/23	07/23	1111-92-6170	0	UTILITIES	299.22
32020170	9	005018-010-PERRY EARLY PARK	07/10/23	07/23	1111-92-6170	0	UTILITIES	254.82
32020170	10	006157-000-SEWER LIFT STATION	07/10/23	07/23	3111-50-6170	0	UTILITIES	65.13
32020170	11	005018-005-OAKRIDGE DR	07/10/23	07/23	1111-92-6170	0	UTILITIES	954.92
32020170	12	006352-002-CASTLE OAKS MEDIAN 3	07/10/23	07/23	8221-50-6170	0	UTILITIES	65.13
32020170	13	006352-001-CASTLE OAKS MEDIAN 2	07/10/23	07/23	8221-50-6170	0	UTILITIES	73.20
32020170	14	006352-000-CASTLE OAKS MEDIAN 1	07/10/23	07/23	8221-50-6170	0	UTILITIES	65.13
32020170	15	005018-007-CASTLE OAKS ENTRANCE	07/10/23	07/23	8221-50-6170	0	UTILITIES	261.57
32020170	16	005018-011-HOWARD PK	07/10/23	07/23	1111-92-6170	0	UTILITIES	501.25
32020170	17	005018-012-1600 WMARLETTE ST	07/10/23	07/23	1111-92-6170	0	UTILITIES	117.13
32020170	18	005018-013-MAIN & SACRAMENTO	07/10/23	07/23	1111-92-6170	0	UTILITIES	65.80
32020170	19	005018-003-CITY HALL	07/10/23	07/23	1111-92-6170	0	UTILITIES	182.28
32020170	20	005018-015-FIVE MI DRIVE	07/10/23	07/23	1111-92-6170	0	UTILITIES	69.91
32020170	21	005018-014-MARLETTE & MILL ST	07/10/23	07/23	1111-92-6170	0	UTILITIES	65.80
32020170	22	005018-024-17 E MAIN ST	07/10/23	07/23	1111-94-6170	0	UTILITIES	65.61
32020170	23	005018-016-HOWARD PK	07/10/23	07/23	1111-92-6170	0	UTILITIES	456.10
32020170	24	005018-017-POPLAR STREET	07/10/23	07/23	1111-92-6170	0	UTILITIES	605.67
Total 32020170:								5,205.40
32023070	1	005018-001-RAW WATER HOWARD PARK	07/03/23	07/23	1111-92-6170	0	UTILITIES	3,882.98
Total 32023070:								3,882.98
ANDRIOLA, JOE								
32028170	1	PER DIEM 7/17-7/20 AND 7/24-7/28	07/18/23	07/23	1111-70-6122	0	TRAINING	500.00
Total 32028170:								500.00
AT&T CALNET 3								
0020171198	1	MO. PHONE SERV. BAN:9391064373 07/23	07/01/23	07/23	1111-94-6160	0	COMMUNICATIONS	232.67
Total 0020171198:								232.67
0020191702	1	MO. PHONE SERV. BAN:9391033961 07/23	07/06/23	07/23	1111-94-6160	0	COMMUNICATIONS	12.41

Invoice Number	Seq.#	Description	Invoice Date	GL Peri	GL Account Number	Activity #	GL Account Description	Net Invoice Check Amount
Total 0020191702:								12.41
0020191979	1	MO. PHONE SERV. BAN:9391037281 07/23	07/06/23	07/23	1111-94-6160	0	COMMUNICATIONS	1.38
Total 0020191979:								1.38
0020191980	1	MO. PHONE SERV. BAN:9391037282 07/23	07/06/23	07/23	1111-94-6160	0	COMMUNICATIONS	4.14
Total 0020191980:								4.14
32026070	1	MO. PHONE SERV. BAN:9391037281 07/23	07/06/23	07/23	1111-94-6160	0	COMMUNICATIONS	48.58
32026070	2	MO. PHONE SERV. BAN:9391037282 07/23	07/06/23	07/23	1111-94-6160	0	COMMUNICATIONS	139.56
32026070	3	MO. PHONE SERV. BAN:9391064373 07/23	07/06/23	07/23	1111-94-6160	0	COMMUNICATIONS	465.34
32026070	4	MO. PHONE SERV. BAN:9391033961 07/23	07/06/23	07/23	1111-94-6160	0	COMMUNICATIONS	1,536.25
Total 32026070:								2,189.73
CARSON YAGER INC.								
1348	1	DELIVER SAND FOR SAND BAGS	03/29/23	07/23	4411-50-6190	0	STATE OF EMERGENCY EXPENSES	520.00
Total 1348:								520.00
COASTLAND CIVIL ENGINEERING INC								
56812	1	DEVELOPMENT	06/30/23	07/23	1111-90-6212	0	PROF & SPEC SERVICES-ENGINEER	225.00
Total 56812:								225.00
DAVID TAUSSIG & ASSOC. INC								
2306321	1	D21-80266.OS IONE/CFD 2005-2 IA 1 PREPAYMENT	06/30/23	07/23	9111-50-6125	0	ADMINISTRATION COSTS	190.00
Total 2306321:								190.00
2306322	1	D21-80268.OS IONE/CFD 2005-2 IA 3 PREPAYMENT	06/30/23	07/23	9111-50-6125	0	ADMINISTRATION COSTS	712.50
Total 2306322:								712.50
2306323	1	D22-80266.000 IONE/CFD 2005-2 IA 1 FY 22-23	06/30/23	07/23	9111-50-6125	0	ADMINISTRATION COSTS	630.50

Invoice Number	Seq.#	Description	Invoice Date	GL Peri	GL Account Number	Activity #	GL Account Description	Net Invoice Check Amount
Total 2306323:								630.50
2306324	1	D22-80267.000 IONE/CFD 2005-2 IA 2 FY 22-23	06/30/23	07/23	9111-50-6125	0	ADMINISTRATION COSTS	243.00
Total 2306324:								243.00
2306325	1	D22-80268.000 IONE/CFD 2005-2 IA 3 FY 22-23	06/30/23	07/23	9111-50-6125	0	ADMINISTRATION COSTS	963.00
Total 2306325:								963.00
2306326	1	D22-80269.000 IONE/CFD 2006-1 FY 22-23	06/30/23	07/23	9111-50-6125	0	ADMINISTRATION COSTS	427.50
Total 2306326:								427.50
2306327	1	D22-80270.000 IONE/CFD 2009-3 FY 22-23	06/30/23	07/23	9111-50-6125	0	ADMINISTRATION COSTS	190.00
Total 2306327:								190.00
DE LAGE LANDEN INC.								
80369158	1	JUNE/JULY 23 MONTHLY COPIER LEASE	07/12/23	07/23	1111-94-6220	0	OTHER CONTRACTUAL SERVICES	228.26
80369158	2	JUNE/JULY 23 MONTHLY COPIER LEASE	07/12/23	07/23	3111-50-6220	0	OTHER CONTRACTUAL SERVICES	228.26
80369158	3	JUNE/JULY 23 MONTHLY COPIER LEASE	07/12/23	07/23	3131-50-6220	0	OTHER CONTRACTUAL SERVICES	228.25
Total 80369158:								684.77
DELLAVALLE LABORATORY INC								
0045702-IN	1	CONSULTING SERV. WWTF	07/20/23	07/23	3111-50-6222	0	CONTRACT OPERATOR COSTS	11,696.00
Total 0045702-IN:								11,696.00
DEPARTMENT OF JUSTICE								
666451	1	FINGERPRINT APPS	06/30/23	07/23	1111-65-6123	0	STAFF RECRUITMENT	64.00
Total 666451:								64.00
DRIVE LINE SERVICES OF W. SAC								
30663	1	FD - EMERGENCY REPAIR ENG 6235	07/03/23	07/23	1111-75-6202	0	MAINT & OPERATIONS - VEHICLES	336.43

Invoice Number	Seq.#	Description	Invoice Date	GL Peri	GL Account Number	Activity #	GL Account Description	Net Invoice Check Amount
Total 30663:								336.43
ECO URBAN DESIGNS INC.								
1761	1	FIELD SERVICES JULY 2023	07/01/23	07/23	8221-50-6190	0	MAINT OF BLDGS, STRUCT, GROUND	2,644.00
Total 1761:								2,644.00
GUY'S SAW CENTER								
534510	1	GRASS BLADE/STIHL CUP WASHER NUT	06/27/23	07/23	1111-92-6130	0	TOOLS & SMALL EQUIP	66.68
Total 534510:								66.68
HUNT & SONS INC.								
258007	1	FUEL - FIRE	07/15/23	07/23	1111-75-6201	0	FUEL	73.78
Total 258007:								73.78
IONE PHARMACY								
32020360	1	TRUE METRIX TEST STRIPS	06/30/23	07/23	1111-75-6100	0	SERVICES & SUPPLIES	217.03
Total 32020360:								217.03
IWORQ SYSTEMS INC.								
201019	1	PW PACKAGE/MGMT AND SUPPORT JULY 2023-2024	07/14/23	07/23	1111-92-6166	0	SOFTWARE PROGRAMS	4,500.00
Total 201019:								4,500.00
JACKSON RANCHERIA BAND OF MI-WUK INDIANS								
008586	1	IRRIGATION REIMBURSEMENT	07/06/23	07/23	1111-92-6203	0	MAINT & OPERATIONS - EQUIPMENT	161.32
Total 008586:								161.32
JACKSON TIRE SERVICE INC								
1-212694	1	6-6247 PASSENGER TIRE FLAT REPAIR	07/03/23	07/23	1111-75-6202	0	MAINT & OPERATIONS - VEHICLES	17.50
Total 1-212694:								17.50
KAMPS PROPANE INC								
32020360	1	PROPANE NT/600 S CHURCH ST	06/30/23	07/23	3111-50-6170	0	UTILITIES	990.82

Invoice Number	Seq.#	Description	Invoice Date	GL Peri	GL Account Number	Activity #	GL Account Description	Net Invoice Check Amount
Total 32020360:								990.82
LEDGER DISPATCH								
39112	1	PUBLIC NOTICE - PW SUPERINTENDENT AND ADMIN ASSISTANT	07/14/23	07/23	1111-65-6123	0	STAFF RECRUITMENT	59.00
Total 39112:								59.00
LIFE- ASSIST INC								
1342022	1	GLOVES	07/05/23	07/23	1111-75-6100	0	SERVICES & SUPPLIES	775.80
Total 1342022:								775.80
NORTHERN CALIF CITIES SELF INS								
2701	1	LIABILITY ADMIN/BANKING/SHARED RISK/EXCESS DEPOSIT/PROP/CRIME/CYBER/WEAPON/LIABILITY PRM	07/06/23	07/23	1111-94-6230	0	INSURANCE	264,483.00
2701	2	LIABILITY ADMIN/BANKING/SHARED RISK/EXCESS DEPOSIT/PROP/CRIME/CYBER/WEAPON/LIABILITY PRM	07/06/23	07/23	3111-50-6230	0	INSURANCE AND SURETY BONDS	66,121.00
Total 2701:								330,604.00
2721	1	WORKERS COMP 1ST QRT 2023/24	07/05/23	07/23	1111-60-5220	0	WORKERS COMP GF - CITY COUNCIL	250.00
2721	2	WORKERS COMP 1ST QRT 2023/24	07/05/23	07/23	1111-62-5220	0	WORKERS COMP GF CITY CLERK	550.25
2721	3	WORKERS COMP 1ST QRT 2023/24	07/05/23	07/23	1111-64-5220	0	WORKERS COMP GF TREASURER	50.00
2721	4	WORKERS COMP 1 ST QRT 2023/24	07/05/23	07/23	2111-65-5220	0	WORKERS COMP - GAS TAX FUND	110.00
2721	5	WORKERS COMPT 1ST QRT 2023/24	07/05/23	07/23	3111-65-5220	0	WORKERS COMP WWTP FUND ADMIN	573.00
2721	6	WORKERS COMP 1ST QRT 2023/24	07/05/23	07/23	9670-65-5220	0	WORKERS COMP RESTRICTED PD	38.00
2721	7	WORKERS COMP 1ST QRT 2023/24	07/05/23	07/23	1111-70-5220	0	WORKERS COMPENSATION GF POLICE	5,520.00
2721	8	WORKERS COMP 1ST QRT 2023-24	07/05/23	07/23	9670-70-5220	0	WORKERS COMP - PD RESTRICTED	740.25
2721	9	WORKERS COMP 1ST QRT 2023/24	07/05/23	07/23	1111-75-5220	0	WORKERS COMP FIRE GF	218.25
2721	10	WORKERS COMP 1ST QRT 2023/24	07/05/23	07/23	9675-75-5220	0	WORKERS COMP - FIRE RESTRICTED	993.50
2721	11	WORKERS COMP 1ST QRT 2023/24	07/05/23	07/23	9613-75-5220	0	WORKERS COMP - FIRE MEASURE M	2,318.25
2721	12	WORKERS COMP 1ST QRT 2023/24	07/05/23	07/23	1111-80-5220	0	WORKERS COMP GF PLANNING	4.00
2721	13	WORKERS COMP 1ST QRT 2023/24	07/05/23	07/23	1111-85-5220	0	PARS RETIREMENT ANNUITY	1,234.75
2721	14	WORKERS COMP 1ST QRT 2023/24	07/05/23	07/23	3111-85-5220	0	WORKERS COMP WWTP - ADMIN DEPT	57.75
2721	15	WORKERS COMP 1ST QRT 2023/24	07/05/23	07/23	1111-92-5220	0	PARS RETIREMENT ANNUITY	1,627.50
2721	16	WORKERS COMP 1ST QRT 2023/24	07/05/23	07/23	4111-92-5220	0	WORKERS COMP - POOL PW	116.50
2721	17	WORKERS COMP 1ST QRT 2023/24	07/05/23	07/23	4311-92-5220	0	WORKERS COMP - ARENA PW	37.75
2721	18	WORKERS COMP 1ST QRT 2023/24	07/05/23	07/23	2111-92-5220	0	WORKERS COMP GAS TAX PW	351.50

Invoice Number	Seq.#	Description	Invoice Date	GL Peri	GL Account Number	Activity #	GL Account Description	Net Invoice Check Amount
2721	19	WORKERS COMP 1ST QRT 2023/24	07/05/23	07/23	3111-92-5220	0	WORKERS COMP WWTP P&W	118.50
2721	20	WORKERS COMP 1ST QRT 2023/24	07/05/23	07/23	1111-65-5220	0	WORKERS COMP GF ADMIN DEPT	2,934.75
Total 2721:								17,844.50
PG & E								
32022170	1	2295434942-3-9830 FIVE MI DRIVE	07/12/23	07/23	1111-92-6170	0	UTILITIES	24.41
32022170	2	2002821263-5-DAVE BRUBECK RD	07/12/23	07/23	1111-92-6170	0	UTILITIES	251.86
32022170	3	7090487111-1-DEPOT PARK	07/12/23	07/23	1111-92-6170	0	UTILITIES	10.51
32022170	4	3034727877-9-W MARLETTE 7 MANOR DR	07/12/23	07/23	1111-75-6170	0	UTILITIES	66.83
32022170	5	2811909826-8-1600 WMARLETTE	07/12/23	07/23	3111-50-6170	0	UTILITIES	2,978.33
32022170	6	2728576498-4-WWTF	07/12/23	07/23	3111-50-6170	0	UTILITIES	10,974.58
32022170	7	2936909818-0-10100 FIVE MI DRVE	07/12/23	07/23	3131-50-6170	0	UTILITIES	1,609.79
32022170	8	3159727869-1-187 STREET LIGHTS	07/12/23	07/23	1111-92-6170	0	UTILITIES	2,177.91
32022170	9	2134403982-7-ED HUGHES ARENA	07/12/23	07/23	1111-92-6170	0	UTILITIES	445.88
32022170	10	2092737318-1-HOWARD PARK	07/12/23	07/23	1111-92-6170	0	UTILITIES	3,312.05
32022170	11	7290630706-0-HOWARD PARK BARNS	07/12/23	07/23	1111-92-6170	0	UTILITIES	59.48
32022170	12	9373962863-9-CITY HALL	07/12/23	07/23	1111-94-6170	0	UTILITIES	4,710.61
32022170	13	1010435528 SEWER LIFT PUMP ANNUAL TRUE UP	07/12/23	07/23	1111-92-6170	0	UTILITIES	1,609.79
Total 32022170:								28,232.03
PRISM								
24400425	1	POLLUTION COVERAGE07/01/2023-06/30/2024	07/13/23	07/23	3111-50-6230	0	INSURANCE AND SURETY BONDS	3,111.00
Total 24400425:								3,111.00
PROCLEAN SUPPLY								
583770	1	LOTION SOAP/SSS QSC DISPENSER/LINER PACK/FUEL SURCHARGE	07/14/23	07/23	1111-92-6190	0	MAINT OF BLDGS, STRUCT, GROUND	356.19
Total 583770:								356.19
REEDER, CHRIS								
32028170	1	PER DIEM 7/17-7/20 AND 7/24-7/28	07/18/23	07/23	1111-70-6122	0	TRAINING	500.00
Total 32028170:								500.00
SHRED CITY								
23973071023	1	CITY HALL SHREDDING SERVICE-JUN 23	07/11/23	07/23	1111-94-6220	0	OTHER CONTRACTUAL SERVICES	200.00

Invoice Number	Seq.#	Description	Invoice Date	GL Peri	GL Account Number	Activity #	GL Account Description	Net Invoice Check Amount
Total 23973071023:								200.00
SOMACH SIMMONS & DUNN								
3017966	1	ARSA LITIGATION	07/13/23	07/23	3131-50-6210	0	PROF & SPEC SERVICES-ATTORNEY	11,041.00
Total 3017966:								11,041.00
TOUCH FREE EXPRESS CAR WASH								
32021070	1	UNLMTD CITY POLICE VEHICLE WASH DISCOUNTED	07/01/23	07/23	1111-70-6202	0	MAINT & OPERATIONS - VEHICLES	235.00
Total 32021070:								235.00
UP-COUNTRY POOL CENTER								
44894	1	BALANCE PAK/INSTANT CONDITIONER/BALANCE PAK	06/06/23	07/23	1111-92-6190	0	MAINT OF BLDGS, STRUCT, GROUND	528.45
Total 44894:								528.45
45477	1	PIRANHA SS BRISTLE ALGAE BRUSH	06/29/23	07/23	1111-92-6190	0	MAINT OF BLDGS, STRUCT, GROUND	129.17
Total 45477:								129.17
WEBER GHIO & ASSOC. INC								
12029	1	BUILDING DEPT ASSISTANCE	07/09/23	07/23	1111-85-6216	0	PROF SERVICES - BLDG INSPECTOR	1,293.23
Total 12029:								1,293.23
WILLDAN								
00625965	1	111663.00 CITY ENGINEERING SERVICES	07/18/23	07/23	1111-90-6225	0	ENGINEER SERVICES-BILLABLE	4,462.50
Total 00625965:								4,462.50
Total :								443,552.52
Grand Totals:								443,552.52

Summary by General Ledger Account Number

GL Account Number	Debit	Credit	Net
1111-60-5220	250.00	.00	250.00
1111-62-5220	550.25	.00	550.25
1111-64-5220	50.00	.00	50.00
1111-65-5220	2,934.75	.00	2,934.75
1111-65-6123	123.00	.00	123.00
1111-70-5220	5,520.00	.00	5,520.00
1111-70-6122	1,000.00	.00	1,000.00
1111-70-6202	235.00	.00	235.00
1111-70-6220	674.17	.00	674.17
1111-75-5220	218.25	.00	218.25
1111-75-6100	992.83	.00	992.83
1111-75-6170	268.03	.00	268.03
1111-75-6201	73.78	.00	73.78
1111-75-6202	353.93	.00	353.93
1111-80-5220	4.00	.00	4.00
1111-85-5220	1,234.75	.00	1,234.75
1111-85-6216	1,293.23	.00	1,293.23
1111-90-6212	225.00	.00	225.00
1111-90-6225	4,462.50	.00	4,462.50
1111-92-5220	1,627.50	.00	1,627.50
1111-92-6130	66.68	.00	66.68
1111-92-6166	4,500.00	.00	4,500.00
1111-92-6170	16,053.65	.00	16,053.65
1111-92-6190	1,663.58	.00	1,663.58
1111-92-6203	161.32	.00	161.32
1111-94-6111	277.97	.00	277.97
1111-94-6160	2,440.33	.00	2,440.33
1111-94-6170	4,942.25	.00	4,942.25
1111-94-6220	428.26	.00	428.26
1111-94-6230	264,483.00	.00	264,483.00
2111-65-5220	110.00	.00	110.00
2111-92-5220	351.50	.00	351.50
3111-50-6170	15,008.86	.00	15,008.86
3111-50-6193	3,176.25	.00	3,176.25
3111-50-6220	1,719.26	.00	1,719.26
3111-50-6222	11,696.00	.00	11,696.00
3111-50-6230	69,232.00	.00	69,232.00
3111-65-5220	573.00	.00	573.00
3111-85-5220	57.75	.00	57.75
3111-92-5220	118.50	.00	118.50

Summary by General Ledger Account Number

GL Account Number	Debit	Credit	Net
3131-50-6170	1,902.36	.00	1,902.36
3131-50-6210	11,041.00	.00	11,041.00
3131-50-6220	228.25	.00	228.25
4111-92-5220	116.50	.00	116.50
4311-92-5220	37.75	.00	37.75
4411-50-6190	520.00	.00	520.00
8221-50-6170	465.03	.00	465.03
8221-50-6190	2,644.00	.00	2,644.00
9111-50-6125	3,356.50	.00	3,356.50
9613-75-5220	2,318.25	.00	2,318.25
9670-65-5220	38.00	.00	38.00
9670-70-5220	740.25	.00	740.25
9675-75-5220	993.50	.00	993.50
Grand Totals:	443,552.52	.00	443,552.52

Summary by General Ledger Posting Period

GL Posting Period	Debit	Credit	Net
07/23	443,552.52	.00	443,552.52
Grand Totals:	443,552.52	.00	443,552.52

CITY OF IONE COUNCIL SPECIAL MEETING MINUTES
Meeting of June 28, 2023

Mayor Rhoades called the meeting to order at 6:00 PM and led the Pledge of Allegiance

A. ROLL CALL:

Present: Stacy Rhoades, Mayor
Jack Mitchell, Vice Mayor
Dominic Atlan, Councilmember
Alison LaFayne, Councilmember
Diane Wratten, Councilmember

Staff: Amy Gedney, Interim City Manager
Andy Pinasco, City Attorney
Janice Traverso, City Clerk

B. APPROVAL OF AGENDA:

It was moved by Councilmember Wratten, seconded by Councilmember LaFayne and carried to approve the agenda as written.

AYES: Rhoades, Mitchell, Atlan, LaFayne, Wratten
NOES: None
ABSENT: None
ABSTAIN: None

C. PUBLIC COMMENT:

Jay Kelly, would like to see the contract for Police Chief, John Alfred back on the City Council agenda--Chief Alfred is a very good chief and we would hate to lose him.

D. SPECIAL AGENDA:

1. Wastewater Operations and Maintenance Contract – Andy Pinasco, City Attorney explained that on May 31, 2023, staff issued an RFP for potential contractors to operate the City's Wastewater Plant and the Castle Oaks Reclamation Plant. Subsequently, a tour of the plant was completed on June 7, 2023 where four potential contractors toured the plants. The City received three proposals on June 15, 2023. On June 19, 2023, the City conducted interviews with the three potential contractors.

   The interview panel consisted of the two members of the Wastewater Committee, Mayor Rhoades and Vice Mayor Mitchell as well as three technical experts – Jim Mulligan, an engineer from West Yost, Craig Millers from Amador Water Agency and Hugh Logan, General Manager from San Andreas Sanitary District. The RFP process typically takes three to four months, but due to a lack of time and notice, this process is being completed in two weeks to ensure that 1) we have an operator on site July 1 and 2) a new operator has time for cross training with PERC.

   There was discussion by the Council on the additional cost of the contract, and the public regarding the short time frame to properly research each company.

   It was moved by Vice Mayor Mitchell, seconded Councilmember Wratten and carried to adopt a resolution authorizing the Interim City Manager to execute a one-year contract with the James Water Service Company for operations of the City's sewer collection system, wastewater treatment system and the Castle Oaks Reclamation Facility with the caveat that we add $50,00 to Section 4.4.2.

AYES: Rhoades, Mitchell, Wratten
NOES: Atlan, LaFayne
ABSENT: None
ABSTAIN: None

E. ADJOURNMENT:

It was moved by Councilmember Wratten, seconded by Councilmember Atlan and carried to adjourn the meeting.

Respectfully submitted,

Janice Traverso
City Clerk

CITY OF IONE COUNCIL MEETING MINUTES
Meeting of July 18, 2023

Mayor Rhoades called meeting to order at 6:00 PM

A. ROLL CALL:

Present: Stacy Rhoades, Mayor
Jack Mitchell, Vice Mayor
Dominic Atlan, Councilmember
Alison LaFayne, Councilmember
Diane Wratten, Councilmember

Staff: Amy Gedney, Interim City Manager
Rod Atteberry, City Attorney (Filling in for Andy Pinasco)
Janice Traverso, City Clerk

B. CLOSED SESSION: None

C. MAYOR RHOADES LED THE PLEDGE OF ALLEGIANCE

D. APPROVAL OF AGENDA:

It was moved by Councilmember LaFayne, seconded by Councilmember Wratten and carried to pull Item #1, Warrants and Item #2 Minutes of June 6, 2023 and June 20, 2023 from the Consent Calendar and move to the Regular Agenda for discussion.
AYES: Rhoades, Mitchell, Atlan, LaFayne, Wratten
NOES: None
ABSENT: None
ABSTAIN: None

It was moved by Councilmember Atlan, seconded by Councilmember LaFayne and carried to approve the agenda with the amendment above.
AYES: Rhoades, Mitchell, Atlan, LaFayne, Wratten
NOES: None
ABSENT: None
ABSTAIN: None

E. PRESENTATIONS/ANNOUNCEMENTS: None

F. PUBLIC COMMENT:

Paul Bates asked if the Park and Recreation Commission was ever going to get a meeting going because in my 38 years of Rec Facility Management I never seen this where people just decide they do not have a quorum and cannot do a meeting. I have lived here for one year and we plan on moving.

Greg Morris commented that there is a sidewalk in front of 200 Edgebrook Drive that is broken and it is making difficult for a couple of the people in the neighborhood to get their mail. I did fill out a complaint form at City Hall, but have not heard back.

G. INFORMATION ITEMS: Information items—there was no discussion.

1. June 2023 Fire Department Report
2. June 2023 Police Department Report
3. June 2023 Finance/Administrative Report
4. June 2023 Public Works Report
5. June 2023 Building Department Report

H. CONSENT CALENDAR:

3. Appointment to Planning Commission – Mayor Rhoades introduced Karen Huss to the public as our new Planning Commissioner.

I. PUBLIC HEARING: None

DISCUSSION ITEMS:

For the record: Action minutes provide the necessary documentation of City Council action. Audio recordings are retained for those desiring more detail on particular agenda item discussions. These audio recordings provide an accurate and comprehensive backup of City Council deliberations and citizen discussions.

J. REGULAR AGENDA:

G.1 – Warrants – Councilmember LaFayne:

a. If we don't have a budget in place, how are we able to pay warrants. Most of the warrants that are being processed this month are for June. Once the budget is adopted by the Council, we will go back and retro the other items.
b. It is not a requirement to do an interim budget or extend the budget.
c. There were four entries for Casselle that were exactly the same amounts-staff will look into it.
d. Downtown Lights should have not been charged to ARPA-not a COVID emergency.

It was moved by Councilmember Atlan, seconded by Councilmember Wratten and carried to approve the July 18, 2023 Warrants.

AYES: Rhoades, Mitchell, Atlan, LaFayne, Wratten
NOES: None
ABSENT: None
ABSTAIN: None

G.2 - Minutes of June 6, 2023 and June 20, 2023 – Councilmember LaFayne:

a. June 6, 2023 Minutes and June 20, 2023:
The information added to the June 6, 2023 for the Interim City Manager Employment Agreement, "Adopt Resolution No. 2023-*, was not the action taken by Council. A vote was not taken on the resolution, but there was a vote taken to approve the terms of the contract. The resolution and contract were not presented to Council at that meeting. After discussion by Council on amendments to the minutes, it was Councilmember Atlan, seconded by Vice Mayor Mitchell to approve the minutes of June 6, 2023 with Item N.1.

Regular Agenda, Interim City Manager Employment Agreement removed from the minutes and approve the minutes of June 20, 2023 with Item J.1. Approval of Minutes – June 6, 2023 be removed from the minutes and the resolution and contract be brought back for discussion.
AYES: Mitchell, Atlan, LaFayne, Wratten
NOES: Rhoades
ABSENT: None
ABSTAIN: None

K. PUBLIC HEARING: None

L. REGULAR AGENDA:

1. 2019-2020 Audit – At the June 20, 2023, Brian Nash presented the Audit to Council. At that time, Council asked for more time to review it. It is being brought back for approval with one change, Brian Nash added NOTE L – RELATED PARTY TRANSACTIONS – A member of the City Council is a person in a management position of a local golf course. The City provides tertiary water to the golf course for a contractual rate of $70,000 per year under an agreement approved prior to the Council member being hired by the golf course. The City Council approved a credit of these charges of $21,467 in November 2021 due to delivering less water in fiscal 2020 and 2021 than in previous fiscal years. The City also leases land to the golf course as described in Note K. The Council member has recused himself from voting on a transaction affecting the golf course. It was moved by Councilmember Wratten, seconded by Vice Mayor Mitchell and carried to accept the 2019-2020 Audit.
   AYES: Rhoades, Mitchell, Atlan, LaFayne, Wratten
   NOES: None
   ABSENT: None
   ABSTAIN: None

2. Response to 2022-2023 Grand Jury Report – Propane Tank at Howard Park. In March, 2020, the City received $100,000 from the Coronavirus Aid, Relief and Economic Security Act (CARES Act) to install a generator at Evalynn Bishop Hall because the hall is registered as an emergency shelter with the American Red Cross. Instead of hooking up natural gas to the generator, the City installed a propane tank (fuel for the generator), which is illegal in the City according to Ordinance No. 489 dated March 7, 2017.

   City Manager prepared a response to the Grand Jury addressing each of their findings and each of their recommendations, which staff agrees with. We have since removed the propane tank and are working with PG&E to provide natural gas for the generator. It appears that the City did not follow their own policies. Our Municipal Code does not allow propane tanks within the City limits.

There was a lengthy discussion by the Council, staff and the public on their concerns with the City's response letter to the Grand Jury. It was moved by Councilmember Wratten, seconded by Councilmember Atlan and carried that the letter be redrafted at the hands of Amy and Dominic, and if Alison would like to add to that, so that we have a comprehensive response to this letter that includes the information that was discussed tonight.

AYES: Rhoades, Mitchell, Atlan, LaFayne, Wratten
NOES: None
ABSENT: None
ABSTAIN: None

3. Response to Notice of Preparation for ACUSD – In 2022, the Amador County Unified School District determined that they were going to consolidate schools throughout Amador County—Ione Elementary School will relocate to Ione Junior High, and Ione Junior High students will move to Sutter Creek. ACUSD has issued a Notice of Preparation, which was never sent to the City of Ione. City Manager, Amy Gedney prepared a response to the Notice of Preparation. The following comments were made:
    - Last paragraph regarding not receiving the NOP, be moved to the first paragraph
    - Add the Fire Chief and Police Chief's signatures on the letter
    - Add economic impact to the City and local businesses
    - Jay Kelly commented that if the consolidation does go through, there is a lot of discussion among parents that they will not be sending their kids up, they will be holding them out. There will be possibly be petitions notifying the ACUSD that this will happen.
    - Add that Union Pacific Railroad has not been contacted by ACUSD

    It was moved by Councilmember Atlan, seconded by Councilmember Wratten and carried to send the letter to the School District with the addition of the comments stated above.

    AYES: Rhoades, Mitchell, Atlan, LaFayne, Wratten
    NOES: None
    ABSENT: None
    ABSTAIN: None

M. REPORTS AND COMMUNICATIONS FROM CITY MANAGER:

- Special Meeting July 25, 2023 for Budget Workshop

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N. COUNCIL COMMENTS/COMMITTEE REPORTS/FUTURE AGENDA:

Councilmember Atlan:

- Update on items that I have brought up in the past

Councilmember Wratten:

- WIRIS Update – Report from ACTC on the August 1, 2023 agenda
- ACRA Fees – Will be discussed at the Park & Recreation Agenda in August, and on Council Agenda first meeting in September.
-

Councilmember LaFayne:

- Been in contact with Justin Howard, ACRA regarding fees and the benefits Ione receives in return.

Mayor Rhoades:

- CalFire started clean-up of Sutter Creek including removing trees.

O. ADJOURNMENT:

It was moved by Councilmember LaFayne, seconded by Councilmember Wratten and carried to adjourn at. 7:27 p.m.

Respectfully submitted,

Janice Traverso
City Clerk

City of Ione
1 E. Main Street
P.O. Box 398
Ione, CA 95640

Agenda Item #H3

July 26, 2023

The Honorable Marie Alvarado-Gill,
California State Senate
1021 O Street, Suite #7240
Sacramento, CA 95814

RE: **SB 423 (Wiener) By-right housing approvals: multifamily housing developments: SB 35 (Chapter 366, Statutes of 2017) expansion.**
Notice of Opposition

Dear Senator Alvarado-Gill:

The City of Ione writes to express our opposition to SB 423, which would greatly expand SB 35 (Chapter 366, Statutes of 2017), extend the Jan. 1, 2026 sunset date to Jan.1, 2036, and allow the Department of General Services (DGS) to control housing developments on state-owned or -leased property, regardless of the locally required zoning or development standards.

Local leaders are working to find creative solutions so homes of all income levels can be built. They're taking on these difficult and complex tasks, and in many cases successfully planning for more than 2.5 million new homes statewide, all while navigating the state's annual barrage of overreaching housing bills that have thus far demonstrated limited success.

SB 423 is the latest overreaching bill. This measure would double-down on the recent trend of the state overriding its own mandated local housing plans by forcing cities to approve certain housing projects without regard to the needs of the community, opportunities for environmental review, or public input. While it may be frustrating for some developers to address neighborhood concerns about traffic, parking, and other development impacts, those directly affected by such projects have a right to be heard. Public engagement also often leads to better projects. Not having such outlets will increase public distrust in government and result in additional ballot measures limiting housing development.

Instead of continuing to pursue top-down, one-size-fits-all legislation, lawmakers should partner with local officials. That's why the League of California Cities continues to call on the Governor and lawmakers to annually invest $3 billion to help cities prevent and reduce homelessness and spur housing development. Targeted, ongoing funding is the only way cities can find community-based solutions that get our residents off the streets and keep them in their homes. California will never produce the number of homes needed with an increasingly state driven, by-right housing approval process. What is really needed is a sustainable state investment that matches the scale of this long-term crisis.

For these reasons, Ione respectfully opposes SB 423.

City of Ione
1 E. Main Street
P.O. Box 398
Ione, CA 95640

Agenda Item #H3

Sincerely,

Amy Gedney
Interim City Manager
City of Ione

City of Ione
1 E. Main Street
P.O. Box 398
Ione, CA 95640

Agenda Item #H4

July 26, 2023

The Honorable Marie Alvarado-Gill,
California State Senate
1021 O Street, Suite #7240
Sacramento, CA 95814

RE: **AB 309 (Lee) Social Housing Program**
(as amended 7/13/2023)
Notice of Oppose Unless Amended

Dear Senator Alvarado-Gill:

The City of Ione writes to express our opposition to AB 309 (Lee), unless it is amended to address our concerns. AB 309 would create the Social Housing Program within the Department of General Services (DGS) to facilitate the construction of government-owned housing on leased state property or excess state-owned property. Cities would have no ability to regulate zoning or development standards, including floor area ratios, height limitations, or density requirements.

Ione strongly supports the intent of AB 309, which is to produce more housing as housing affordability and homelessness are among the most critical issues facing California cities. Affordably priced homes are out of reach for many people and housing is not being built fast enough to meet the current or projected needs of people living in the state. Cities lay the essential groundwork for housing production by planning and zoning new projects in their communities based on extensive public input and engagement, as well as state housing laws. Importantly, cities are currently updating housing plans to identify sites for more than 2.5 million additional housing units.

AB 309 would disregard this state-mandated planning process and specifically empower DGS to make land use and zoning decisions on state excess property. If DGS can approve housing, why should cities go through the multiyear planning process to identify sites suitable for new housing units if the state can ignore those plans and build housing on sites never considered for new housing?

While AB 309 currently limits DGS authority to three housing projects on declared excess state property suitable for housing, the measure broadly establishes the Social Housing Program within DGS and could be easily expanded to include all state-owned lands.

Bypassing California's longstanding housing planning laws and local rules is not a way out of the housing crisis. That's why Cal Cities continues to call on the Governor and lawmakers to annually invest $3 billion to help cities prevent and reduce homelessness and spur affordable

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housing development. Targeted, ongoing funding is the only way cities can find community-based solutions that produce housing at all income levels.

For these reasons, Ione respectfully opposes AB 309 unless it is amended to address our concerns.

Sincerely,

Amy Gedney
Interim City Manager
City of Ione

CITY OF IONE
IONE, CA 95640

Agenda Item #H5

DATE: **AUGUST 1, 2023**

TO: **THE HONORABLE MAYOR AND MEMBERS OF THE CITY COUNCIL**

FROM: **JODI STENECK, FINANCE MANAGER**

SUBJECT: **SEWER DELINQUENCIES**

RECOMMENDED ACTION:

Adopt Resolution No. 2023-XX, A Resolution of the City Council of the City of Ione authorizing placement of delinquent unpaid sewer service charges on the Amador County Tax Roll for Fiscal Year 2023-24.

FISCAL IMPACT:

Placing delinquent sewer services charges on the Amador County Tax Roll allows the City to collect these fees to fund sewer operations and mitigate any uncollectible accounts.

BACKGROUND:

Each year, the City of Ione places a levy of delinquent sewer service charges with Amador County to be collected as a lien on the property owner's tax assessment. This is in accordance with *Municipal Code Title 13 – Public Services, Article II – Sewer Service Charges and Rates, Chapter 13.56 – Collection on Tax Roll*. In addition, a $50.00 per parcel administration fee was established by City of Ione in accordance with *Municipal Code Title 13 – Public Services, Article II – Sewer Service Charges and Rates, Chapter 13.52 – Billing and Collection* to defray costs associated with the collection process. The fee is assessed on all accounts remaining in arrears following the final payment date as listed on the demand letter.

In order to have the levy placed on the upcoming tax roll, Amador County Auditor-Controller's Office requires a signed agreement, information and certification forms, resolution approving levy, list of parcel numbers with levy amount to be submitted to their office by August 10, 2023.

ATTACHMENTS:

- Resolution No. 2023 – XX, Authorizing Placement of Delinquent Unpaid Sewer Service Charges and Administration Fee on the Amador County Tax Roll for Fiscal Year 2023-2024
- List containing parcel numbers and balance of delinquent sewer charge
- Municipal Code 13.52.060 and Ordinance 495

Attachment A

RESOLUTION NO. 2023-XX

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF IONE AUTHORIZING THE PLACEMENT OF DELINQUIENT UNPAID SEWER SERVICE CHARGES ON THE 2023-2024 AMADOR COUNTY TAX ROLL

WHEREAS, Sewer Services are provided to the property owners in Ione; and

WHEREAS, it is desirable to collect delinquent unpaid sewer bills in an efficient and effective manner; and

WHEREAS, some property owners have delinquent balances of over 90 days for sewer services provided to their property.

NOW, THEREFORE BE IT RESOLVED that the City Council of the City of Ione authorize staff to place delinquent sewer balances upon the Amador County Property Tax Rolls for the Fiscal Year 2023-2024 property tax year.

The foregoing resolution was duly introduced and adopted by the City Council of the City of Ione at their regular meeting held on August 1, 2023, by the following vote:

AYES:
NOES:
ABSENT:
ABSTAIN:

_____
Stacy Rhoades, Mayor

Attest:

_____
Janice Traverso, City Clerk

13.52.060 - Enforcement.

In the event of the failure of any person billed or the owner of the premises to pay when due any sewer service charges applicable to premises owned by him, the city may enforce payments of such delinquent charges in any of the following manners:

A. The city may have such premises disconnected from the sanitary sewer system. In the event such disconnection should create a public hazard or nuisance, the superintendent or his representatives may enter upon the premises for the purpose of doing such things as may be reasonably necessary to alleviate or remove such hazard or menace. The owner of such premises shall have a duty to reimburse the city for all expenses incurred by city in disconnecting any such premises, or in doing other things authorized by this section; and no reconnection shall be made until all such charges are paid.

B. The city clerk may institute action in any court of competent jurisdiction to collect any charges which may be due and payable in the same manner as any other debts owing to the city may be collected.

C. As an alternative procedure, the city may provide any and all delinquent payments be placed on the tax roll, and collected with property taxes, as provided in Chapter 13.56.

D. The city may provide otherwise for the collection of such delinquent charges. All remedies provided for in this section for their enforcement and collection are cumulative and may be pursued alternatively or collectively as the city determines. If any remedy is invalid, all valid remedies shall remain effectual.

E. The city shall collect, in addition to any sewer service charge or penalty or interest assessment, an administrative fee calculated on the actual costs of the city for collection actions described in this section or as described in Chapter 13.56 of this Code.

(Ord. No. 495 , 9-5-2017; Ord. 323 § 2(part), 1992).

ORDINANCE No. 495
AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF IONE CALIFORNIA, AMENDING CHAPTER 13.52 OF THE CITY OF IONE MUNICIPAL CODE

The City Council of the City of Ione, State of California, does hereby approve an ORDINANCE OF THE CITY COUNCIL OF THE CITY OF IONE CALIFORNIA, AMENDING CHAPTER 13.52, Section 13.52.060 OF THE CITY OF IONE MUNICIPAL CODE to state as follows:

Chapter 13.52– BILLING AND COLLECTION
13.52.060-Enforcement
In the event of the failure of any person billed or the owner of the premises to pay when due any sewer service charges applicable to premises owned by him, the city may enforce payments of such delinquent charges in any of the following manners:

A. The city may have such premises disconnected from the sanitary sewer system. In the event such disconnection should create a public hazard or nuisance, the superintendent or his representatives may enter upon the premises for the purpose of doing such things as may be reasonably necessary to alleviate or remove such hazard or menace. The owner of such premises shall have a duty to reimburse the city for all expenses incurred by city in disconnecting any such premises, or in doing other things authorized by this section; and no reconnection shall be made until all such charges are paid.

B. The city clerk may institute action in any court of competent jurisdiction to collect any charges which may be due and payable in the same manner as any other debts owing to the city may be collected.

C. As an alternative procedure, the city may provide any and all delinquent payments be placed on the tax roll, and collected with property taxes, as provided in Chapter 13.56.

D. The city may provide otherwise for the collection of such delinquent charges. All remedies provided for in this section for their enforcement and collection are cumulative and may be pursued alternatively or collectively as the city determines. If any remedy is invalid, all valid remedies shall remain effectual.

E. The city shall collect, in addition to any sewer service charge or penalty or interest assessment, an administrative fee of $50.00.

The foregoing ordinance was duly introduced at the City Council Meeting held on the15th day of August, 2017, and adopted by the City Council at their meeting held on September 5, 2017 by the following vote:

AYES: Atlan, Smylie, Wratten, Reed
NOES: None
ABSENT: Epperson
ABSTAIN: None

Dominic Atlan, Mayor

ATTEST:

Janice Traverso, City Clerk

INTRODUCED: August 15, 2017
ADOPTED: September 5, 2017
EFFECTIVE: October 5, 2017
SUMMARY: September 15, 2017

Parcel ID	Total to Tax Roll	
004-158-008-000	185.69	5400
004-310-033-000	185.69	5400
011-370-089-000	185.69	5400
910-001-436-000	185.69	5400
011-350-002-000	185.69	5400
004-121-050-000	185.69	5400
004-271-011-000	185.69	5400
004-041-014-000	185.69	5400
005-337-016-000	191.19	5400
005-440-028-000	239.91	5400
004-042-008-000	239.91	5400
005-354-011-000	239.91	5400
910-001-553-000	244.14	5400
005-336-005-000	265.40	5400
004-340-022-000	274.54	5400
005-490-034-000	297.29	5400
004-147-002-000	299.55	5400
004-236-010-000	299.55	5400
005-520-029-000	299.55	5400
005-460-042-000	300.07	5400
011-340-015-000	308.79	5400
005-332-026-000	319.92	5400
004-340-002-000	330.99	5400
005-450-047-000	365.03	5400
005-334-020-000	365.16	5400
004-010-020-000	378.11	5400
011-340-004-000	391.25	5400
910-000-196-000	393.18	5400
011-370-002-000	401.24	5400
910-001-486-000	403.83	5400
005-480-024-000	429.27	5400
005-520-003-000	437.33	5400
004-320-016-000	437.33	5400
005-510-023-000	437.33	5400
004-090-016-000	437.33	5400
910-000-227-000	457.26	5400
910-000-208-000	470.91	5400
004-241-002-000	516.69	5400
004-154-001-000	516.69	5400
004-340-007-000	516.69	5400
004-242-005-000	516.69	5400
004-340-026-000	516.69	5400
004-023-006-000	415.07	5400
005-460-047-000	589.67	5400
910-001-474-000	604.01	5400
004-041-053-000	604.01	5400
004-021-003-000	618.17	5400
004-155-002-000	670.82	5400
004-010-007-000	676.76	5400
005-471-015-000	689.36	5400
004-145-005-000	700.08	5400
005-334-019-000	737.92	5400
004-050-030-000	805.74	5400
005-400-022-000	805.74	5400
005-450-058-000	805.74	5400
004-121-020-000	838.71	5400
910-001-536-000	867.67	5400
004-023-005-000	920.50	5400
005-473-011-000	921.96	5400
005-520-001-000	957.98	5400
910-001-303-000	973.44	5400
005-480-023-000	973.44	5400
004-061-020-000	980.40	5400
004-280-027-000	989.66	5400
005-460-002-000	1,029.78	5400
011-350-034-000	1,042.03	5400

004-121-043-000	1,049.81	5400
004-271-019-000	1,049.81	5400
005-355-001-000	1,052.41	5400
005-460-019-000	1,077.35	5400
004-121-010-000	1,077.35	5400
004-010-034-000	1,087.25	5400
005-500-024-000	1,101.22	5400
004-010-034-000	1,134.86	5400
005-371-009-000	1,174.77	5400
004-236-012-000	1,184.15	5400
004-249-002-000	1,184.95	5400
004-122-015-000	1,190.44	5400
005-355-028-000	1,190.44	5400
004-050-002-000	1,202.65	5400
910-001-575-000	1,202.82	5400
004-112-009-000	1,232.21	5400
004-022-031-000	1,232.21	5400
004-231-006-000	1,232.21	5400
910-000-206-000	1,232.21	5400
004-121-030-000	1,232.21	5400
005-337-017-000	1,232.21	5400
910-001-475-000	1,232.21	5400
005-354-026-000	1,232.21	5400
004-340-031-000	1,232.21	5400
004-070-035-000	1,232.21	5400
004-280-028-000	1,232.21	5400
004-280-034-000	1,232.21	5400
004-050-023-000	1,232.21	5400
004-022-027-000	1,232.21	5400
005-460-050-000	1,246.42	5400
004-010-037-000	1,274.02	5400
011-340-038-000	1,274.54	5400
910-000-224-000	1,531.43	5400
004-010-025-000	1,535.43	5400
004-010-037-000	1,703.63	5400
011-350-012-000	1,936.86	5400
004-106-028-000	2,018.47	5400
004-090-023-000	3,357.31	5400
004-101-003-000	2,008.30	5400
910-001-512-000	4,498.47	5400
	89,839.00	

CITY OF IONE
IONE, CA 95640

Agenda Item #H6

DATE: **AUGUST 1, 2023**

TO: **THE HONORABLE MAYOR AND MEMBERS OF THE CITY COUNCIL**

FROM: **SHAYNE M. MORGAN OF DTA, INC., SPECIAL TAX CONSULTANT TO THE CITY**

SUBJECT: **LEVY OF SPECIAL DISTRICT TAX**

RECOMMENDED ACTION:

That the City Council:

- Approve Resolution No. 2023-xx of the City Council of the City of Ione, acting in its capacity as the legislative body of the Community Facilities District No. 2005-2 of the City of Ione (Edgebrook and Castle Oaks Phase II) authorizing the levy of special taxes for fiscal year 2023-2024.
- Approve Resolution No. 2023-xx of the City Council of the City of Ione, acting in its capacity as the legislative body of the Community Facilities District No. 2006-1 of the City of Ione (Wildflower-Public Safety Services) authorizing the levy of special taxes for fiscal year 2023-2024.
- Approve Resolution No. 2023-xx of the City Council of the City of Ione, acting in its capacity as the legislative body of the Community Facilities District No. 2009-3 of the City of Ione (Castle Oaks Phase II) authorizing the levy of special taxes for fiscal year 2023-2024.

FISCAL IMPACT:

The special taxes being levied hereunder are at the same rate or at a lower rate than provided by each applicable Ordinance. Each ordinance sets forth the rate and method of apportionment (RMA) for the respective CFD and for each of the improvement areas within CFD No. 2005-2.

The fiscal year 2023-2024 special tax levy for CFD No. 2005-1 is $0.00.

The fiscal year 2023-2024 facilities special tax levy by improvement area within CFD No. 2005-2 is as follows: $198,601.14 for Improvement Area No. 1, $0.00 for Improvement Area No. 2, and $177,254.46 for Improvement Area No. 3. In comparison, the approved facilities special tax levy was: $197,198.78, $0.00, and $193,855.66 respectfully the previous year.

The fiscal year 2023-2024 services special tax levy by improvement area within CFD No. 2005-2 is as follows: $62,535.20 for Improvement Area No. 1, $68,788.72 for Improvement Area No.

2, and $284,590.40 for Improvement Area No. 3. In comparison, the approved services special tax levy was: $62,535.20, $68,788.72, and $246,873.60 respectfully the previous year.

The fiscal year 2023-2024 special tax levy for CFD No. 2006-1 is $88,939.92. In comparison, the approved special tax levy was $74,116.60 the previous year.

The fiscal year 2023-2024 special tax levy for CFD No. 2009-3 is $58,704.36. In comparison, the approved special tax levy was $58,704.36 the previous year.

SOURCE OF FUNDING:

Special tax levy pursuant to Section 53340 of the Government Code and Ordinance Nos. 392, 427 and 428 respectively.

DISCUSSION:

There are various annual reporting requirements with different reporting dates related to the City of Ione Community Facilities District Nos. 2005-1, 2005-2, 2006-1 and 2009-3 (CFD Nos. 2005-1, 2005-2, 2006-1 and 2009-3). The requirements include, among other items, City Council approval of the "Annual Levy of Special Tax" resolutions authorizing the levy of special taxes within CFD Nos. 2005-1, 2005-2, 2006-1 and 2009-3. The annual levy is necessary to pay debt service on the outstanding bonds and to pay for certain public services. Approval is due each year prior to the County of Amador's August 10th deadline for the inclusion of such special taxes on the consolidated property tax bills pursuant to Government Code Section 43340 of the Mello-Roos Community Facilities Act of 1982 (the Act), or in the case of direct billing, at a different time or in a different manner if necessary to meet its financial obligations.

CFD No. 2005-1 was established on February 22, 2005 and the special taxes were for facilities. CFD No. 2005-1 encompassed 211 residential homes and the golf course clubhouse. The CFD No. 2005-1 Special Tax Bonds had a final maturity of September 1, 2016. Accordingly, parcels within CFD No. 2005-1 are no longer subject to the levy of special taxes. Furthermore, a notice of cessation of the special tax for CFD No. 2005-1 has been recorded with Amador County evidencing that the special tax lien imposed on the parcels within CFD No. 2005-1 has been extinguished.

CFD No. 2005-2 was established on June 6, 2006 and there are three improvement areas. They are: Improvement Area No. 1, Improvement Area No. 2 and Improvement Area No. 3. Each Improvement Area has a facilities special tax (Special Tax A) and a services special tax (Special Tax B).

Improvement Area No. 1 encompasses approximately 34.8 acres and contains 140 residential units. Subsequent to the issuance of Improvement Area No. 1 Special Tax Bonds, 41 homeowners have elected to fully prepay their applicable facilities special tax obligation, and 99 remaining residential parcels will be subject to the levy of the facilities special tax. For fiscal

year 2023-2024, 140 residential parcels will also be subject to the levy of the services special tax since building permits for all such parcels were issued prior to May 1, 2023.

Improvement Area No. 2 encompasses approximately 38.4 acres and contains 154 residential units. The Improvement Area No. 2 Special Tax Bonds had a final maturity of September 1, 2017. Accordingly, parcels within Improvement Area No. 2 are no longer subject to the levy of the facilities special tax. For fiscal year 2023-2024, 154 residential parcels will be subject to the levy of the services special tax since building permits for all such parcels were issued prior to May 1, 2023.

Improvement Area No. 3 encompasses approximately 133.8 acres and at full development is anticipated to contain approximately 427 residential units and 13.0 acres of non-residential development. Subsequent to the issuance of Improvement Area No. 3 Special Tax Bonds, the facilities special tax obligation applicable to 345 residential parcels has been fully prepaid. For fiscal year 2023-2024 there are 30 parcels in Improvement Area No. 3 (consisting of 8 residential parcels and 22 undeveloped parcels) that will be subject to the levy of the facilities special tax. For fiscal year 2023-2024, 332 residential parcels will also be subject to the levy of the services special tax since certificates of occupancy for such parcels were issued prior to May 1, 2023.

CFD No. 2006-1 was established on February 7, 2006 and the special taxes are for services. At full development CFD No. 2006-1 is anticipated to contain approximately 276 residential parcels. For fiscal year 2023-2024, 204 residential parcels will be subject to the levy of the special tax since building permits for such parcels were issued prior to June 30, 2023.

CFD No. 2009-3 was established on April 7, 2009 and the special taxes are for services. CFD No. 2009-3 encompasses 143 residential parcels that are subject to the levy of the special tax. All 143 residential parcels are subject to the levy of a fiscal year 2023-2024 special tax since certificates of occupancy for such parcels were issued prior to May 1, 2023.

ATTACHMENTS:

A. Resolution 2023-xx
B. Resolution 2023-xx
C. Resolution 2023-xx

Attachment A

RESOLUTION NO. [____]

RESOLUTION OF THE CITY COUNCIL OF THE CITY OF IONE, ACTING IN ITS CAPACITY AS THE LEGISLATIVE BODY OF COMMUNITY FACILITIES DISTRICT NO. 2005-2 OF THE CITY OF IONE (EDGEBROOK AND CASTLE OAKS PHASE II) AUTHORIZING THE LEVY OF SPECIAL TAXES FOR FISCAL YEAR 2023-2024

WHEREAS, on April 18, 2006, the City Council of the City of Ione (the "City Council") adopted Resolution No. 1535 stating its intention to form Community Facilities District No. 2005-2 of the City of Ione (Edgebrook and Castle Oaks Phase II) ("Community Facilities District No. 2005-2") and designate Improvement Area No. 1 ("Improvement Area No. 1"), Improvement Area No. 2 ("Improvement Area No. 2") and Improvement Area No. 3 ("Improvement Area No. 3") pursuant to the Mello-Roos Community Facilities Act of 1982, as amended, Section 53311 *et seq.* of the Government Code (the "Act"); and

WHEREAS, on April 18, 2006, the City Council also adopted Resolution No. 1536 stating its intention to incur bonded indebtedness in the maximum amount of $5,300,000 within Improvement Area No. 1, $6,300,000 within Improvement Area No. 2 and $15,400,000 within Improvement Area No. 3 for the purpose of financing the costs of refunding the District's share of the Community Facilities District No. 1989-1 (Country Club Estates–1) City of Ione, Amador County, California Series 1991 and the Community Facilities District No. 1989-2 (Country Club Estates–2) City of Ione, Amador County, California Series 1991, discharging the existing special tax liens on property within the District, and financing the costs of the facilities and incidental expenses described in Resolution No. 1536 to serve the area within Improvement Area No. 1, Improvement Area No. 2 and Improvement Area No. 3; and

WHEREAS, on June 6, 2006, the City Council adopted Resolution No. 1540 which established Community Facilities District No. 2005-2, designated Improvement Area No. 1, Improvement Area No. 2 and Improvement Area No. 3, authorized the levy of a special tax within

Improvement Area No. 1, Improvement Area No. 2 and Improvement Area No. 3 , and called an election within Improvement Area No. 1, Improvement Area No. 2 and Improvement Area No. 3 on the ballot proposition relating to levying a special tax combined and consolidated with the proposition relating to the incurring of bonded indebtedness; and

WHEREAS, on June 6, 2006, the City Council also adopted Resolution No. 1541 which determined the necessity to incur bonded indebtedness in the maximum amount of $5,300,000 within Improvement Area No. 1, $6,300,000 within Improvement Area No. 2 and $15,400,000 within Improvement Area No. 3, and called an election within Improvement Area No. 1, Improvement Area No. 2 and Improvement Area No. 3 on the proposition of incurring bonded indebtedness combined and consolidated with the proposition of levying a special tax; and

WHEREAS, on June 6, 2006, an election was held within Improvement Area No. 1, Improvement Area No. 2 and Improvement Area No. 3, at which the qualified electors approved by more than a two-thirds vote the proposition of incurring bonded indebtedness of $5,300,000 and the levying of a special tax within Improvement Area No. 1, incurring bonded indebtedness of $6,300,000 and the levying of a special tax with Improvement Area No. 2, and incurring bonded indebtedness of $15,400,000 and the levying of a special tax within Improvement Area No. 3, as set forth in Resolution Nos. 1540 and 1541; and

WHEREAS, on June 28, 2006, the City Council adopted Resolution No. 1542 which certified the results of the June 6, 2006 elections conducted by the City Clerk, which results showed that more than two-thirds of the votes cast were in favor of the proposition to incur bonded indebtedness and levy the special tax within Improvement Area No. 1, Improvement Area No. 2 and Improvement Area No. 3; and

WHEREAS, on June 29, 2006, the City Council adopted Ordinance No. 393 which authorized the levy of the special tax within Improvement Area No. 1, Improvement Area No. 2 and Improvement Area No. 3 ("Ordinance No. 393"); and

WHEREAS, subsequent to the adoption of Ordinance No. 393, the City Council determined that public necessity and convenience require that the rate and method of apportionment of the special tax for Improvement Area No. 3, described in Ordinance No. 393 and approved by the qualified electors within Improvement Area No. 3 at the special election held on June 6, 2006 pursuant to the Act, should be changed; and

WHEREAS, the City Council adopted Resolution No. 1707 on February 17, 2009 (the "Resolution of Consideration") expressing its intention to consider the proposed amendments to the rate and method of apportionment of the special tax for Improvement Area No. 3 and calling a public hearing on April 7, 2009 as required by Section 53338 of the Act; and

WHEREAS, on April 7, 2009, the City Council held a public hearing regarding the amendments in accordance with the requirements of Section 53338 of the Act at the conclusion of which the City Council determined to submit the proposed amendments to a vote of the qualified electors of the District within Improvement Area No. 3 and adopted Resolution No. 1714 calling an election on Proposition A to approve the amendments; and

WHEREAS, the election on Proposition A was held on April 7, 2009, and thereafter on April 7, 2009, the City Clerk canvassed the election results and certified that more than two-thirds of the votes cast were in favor of Proposition A; and

WHEREAS, on April 7, 2009, the City Council adopted Resolution No. 1716 as a resolution of change in accordance with Section 53338(b) of the Act, which declared the amendments to the Improvement Area No. 3 Rate and Method to be effective (the "Resolution of Change"); and

WHEREAS, on April 21, 2009, the City Council adopted Ordinance No. 427 amending Ordinance No. 393 (as so amended, the "Ordinance"); and

WHEREAS, this City Council hereby certifies that the Ordinance authorizing the levy of the special taxes within Improvement Area No. 1, Improvement Area No. 2 and Improvement Area No. 3 has been duly adopted in accordance with law and is legal and valid; and

WHEREAS, the Ordinance provides that the City Council is further authorized to determine, by ordinance, or by resolution if permitted by then applicable law, on or before August 10 of each year, the specific special tax to be levied on each parcel of land within Improvement Area No. 1, Improvement Area No. 2 and Improvement Area No. 3; and

WHEREAS, it is now necessary and appropriate that this City Council levy and collect the special taxes for Fiscal Year 2023-2024 for the purpose specified in the Ordinance by the adoption of a resolution as specified by the Act and the Ordinance; and

WHEREAS, the special taxes being levied hereunder are at the same rate or at a lower rate than provided by the Ordinance;

NOW, THEREFORE, the City Council of the City of Ione acting in its capacity as the legislative body of Community Facilities District No. 2005-2 does resolve as follows:

Section 1. The above recitals are all true and correct.

Section 2. In accordance with Section 53340 of the Act and the Ordinance, there is hereby levied upon the parcels within Improvement Area No. 1 which are not otherwise exempt from taxation under the Act or the Ordinance the Special Taxes for Fiscal Year 2023-2024 (the "Improvement Area No. 1 Special Taxes"), at the tax rates set forth in Exhibit A-1 hereto, there is hereby levied upon parcels with Improvement Area No. 2 which are not otherwise exempt from taxation under the Act or the Ordinance the Special Tax for Fiscal Year 2023-2024 (the "Improvement Area No. 2 Special Taxes"), at the tax rate set forth in Exhibit A-2 hereto, and there is hereby levied upon parcels within Improvement Area No. 3 which are not otherwise exempt from taxation under the Act of Ordinance the Special Tax for Fiscal Year 2023-2024 (the "Improvement Area No. 3 Special Tax"), at the tax rates set forth in Exhibit A-3 hereto. The Special Tax

Consultant shall apportion the Improvement Area No. 1 Special Taxes, the Improvement Area No. 2 Special Taxes in the manner specified in Resolution No. 1540 and Improvement Area No. 3 Special Taxes as specified in Resolution No. 1716. Such rates do not exceed the maximum rates set forth in the Ordinance. After adoption of this Resolution, but no later than August 10, 2023, the Special Tax Consultant shall deliver the certified list of all parcels subject to the special tax levy including the amount of the Improvement Area No. 1 Special Taxes, the Improvement Area No. 2 Special Taxes and the Improvement Area No. 3 Special Taxes to be levied on each parcel in Fiscal Year 2023-2024 (the "Certified List") to the City Manager or his designee and thereafter, but in no event later than August 10, 2023, the City Manager or his designee shall cause a certified copy of this Resolution together with the Certified List, to be filed with the County Auditor-Controller, or in the case of direct billing, at a different time or in a different manner if necessary to meet its financial obligations. The Certified List may contain tax rates lower than those set forth in Exhibit A-1, Exhibit A-2 and Exhibit A-3 if the City Manager determines that such lower rates are adequate to accomplish the purposes of Improvement Area No. 1, Improvement Area No. 2 and Improvement Area No. 3 in Fiscal Year 2023-2024. The City Manager or his designee and the County Auditor-Controller are hereby authorized to make changes to the Certified List from time to time to correct any error in the amount of the levy on any parcel to make it consistent with the respective rate and method of apportionment for Improvement Area No. 1, Improvement Area No. 2 and Improvement Area No. 3 attached to the Ordinance, including, but not limited to, adding any parcels omitted from the Certified List or deleting any parcels included in the Certified List.

Section 3. Properties or entities of the state, federal or local governments shall be exempt from the above-referenced and approved Improvement Area No. 1 Special Taxes, Improvement Area No. 2 Special Taxes and Improvement Area No. 3 Special Taxes only to the extent set forth in the Ordinance and otherwise shall be subject to Improvement Area No. 1 Special Taxes, Improvement

Area No. 2 Special Taxes and Improvement Area No. 3 Special Taxes consistent with the provisions of Section 53317.3 of the Act in effect as of the date of adoption of this Resolution.

Section 4. All of the collections of Improvement Area No. 1 Special Taxes, Improvement Area No. 2 Special Taxes and Improvement Area No. 3 Special Taxes shall be used only as provided for in the Act and Resolution No. 1540 and Resolution No. 1716. The Improvement Area No. 1 Special Taxes, Improvement Area No. 2 Special Taxes and Improvement Area No. 3 Special Taxes shall be levied only so long as needed to accomplish the purposes described in Resolution No. 1540 and Resolution No. 1716.

Section 5. The Improvement Area No. 1 Special Taxes, Improvement Area No. 2 Special Taxes and Improvement Area No. 3 Special Taxes shall be collected in the same manner as ordinary ad valorem taxes are collected and shall be subject to the same penalties and the same procedure, sale and lien priority in cases of delinquency as provided for ad valorem taxes as such procedure may be modified by law or this City Council from time to time.

Section 6. As a cumulative remedy, if any amount levied as the Improvement Area No. 1 Special Taxes, Improvement Area No. 2 Special Taxes or Improvement Area No. 3 Special Taxes for payment of interest or principal on any outstanding bonds of Improvement Area No. 1 ("Improvement Area No. 1 Bonds"), Improvement Area No. 2 ("Improvement Area No. 2 Bonds") or Improvement Area No. 3 ("Improvement Area No. 3 Bonds"), respectively, together with any penalties and other charges accruing under this Resolution, are not paid when due, the City Council may, not later than four years after the due date of the last installment of principal on the Improvement Area No. 1 Bonds, Improvement Area No. 2 Bonds or Improvement Area No. 3 Bonds, order that the same be collected by an action brought in the superior court to foreclose the lien of such Improvement Area No. 1 Special Taxes, Improvement Area No. 2 Special Taxes or Improvement Area No. 3 Special Taxes.

Section 7. The City Manager or his designee is hereby authorized to transmit a certified copy of this Resolution, together with the Certified List, to the County Assessor and/or the Treasurer-Tax Collector, together with other supporting documentation as may be required to place Improvement Area No. 1 Special Taxes, Improvement Area No. 2 Special Taxes or Improvement Area No. 3 Special Taxes on the secured property tax roll for Fiscal Year 2023-2024 and for the collection of the Improvement Area No. 1 Special Taxes, Improvement Area No. 2 Special Taxes or Improvement Area No. 3 Special Taxes in the manner of ad valorem property taxes and to perform all other acts which are required by the Act, the Ordinance, or by law or deemed necessary by the City Manager in order to accomplish the purpose of this Resolution, the Act or Improvement Area No. 1 Bond covenants Improvement Area No. 2 Bond covenants or Improvement Area No. 3 Bond covenants, or in the case of direct billing, the City Manager or his designer is hereby authorized to mail the applicable tax bill to the individual taxpayer.

Section 8. This Resolution shall be effective upon its adoption.

PASSED AND ADOPTED by the City Council of the City of Ione, California, this 1st day of August 2023, by the following vote:

AYES:

NAYS:

ABSENT:

ABSTAIN:

_____
MAYOR OF THE CITY OF IONE

ATTEST:

_____
City Clerk

APPROVED AS TO FORM:

_____
City Attorney

Exhibit A-1

Improvement Area No. 1 of
Community Facilities District No. 2005-2 of the City of Ione
(Edgebrook and Castle Oaks Phase II)

Assessor's Parcel Number	*FY 2023-2024 Special Tax A*	*FY 2023-2024 Special Tax B*
005-351-001-000	$1,915.48	$446.68
005-351-002-000	1,915.48	446.68
005-351-003-000	711.88	446.68
005-351-004-000	0.00	446.68
005-351-005-000	1,915.48	446.68
005-351-006-000	968.84	446.68
005-351-007-000	1,915.48	446.68
005-352-001-000	1,915.48	446.68
005-352-002-000	1,915.48	446.68
005-352-003-000	1,915.48	446.68
005-352-004-000	0.00	446.68
005-352-005-000	1,915.48	446.68
005-352-006-000	0.00	446.68
005-353-001-000	0.00	446.68
005-353-002-000	1,915.48	446.68
005-353-003-000	0.00	446.68
005-353-004-000	1,915.48	446.68
005-353-005-000	0.00	446.68
005-353-006-000	1,915.48	446.68
005-354-001-000	1,915.48	446.68
005-354-002-000	1,915.48	446.68
005-354-003-000	1,915.48	446.68
005-354-004-000	0.00	446.68
005-354-005-000	666.58	446.68
005-354-006-000	0.00	446.68
005-354-007-000	666.58	446.68
005-354-008-000	1,915.48	446.68
005-354-009-000	0.00	446.68
005-354-010-000	1,915.48	446.68
005-354-011-000	0.00	446.68
005-354-012-000	1,915.48	446.68
005-354-013-000	1,915.48	446.68
005-354-014-000	1,915.48	446.68
005-354-015-000	1,915.48	446.68
005-354-016-000	0.00	446.68
005-354-017-000	0.00	446.68
005-354-018-000	0.00	446.68
005-354-019-000	1,915.48	446.68
005-354-020-000	0.00	446.68
005-354-021-000	1,915.48	446.68
005-354-022-000	0.00	446.68

Exhibit A-1

Improvement Area No. 1 of
Community Facilities District No. 2005-2 of the City of Ione
(Edgebrook and Castle Oaks Phase II)

Assessor's Parcel Number	*FY 2023-2024 Special Tax A*	*FY 2023-2024 Special Tax B*
005-354-023-000	0.00	446.68
005-354-024-000	1,915.48	446.68
005-354-025-000	1,915.48	446.68
005-354-026-000	1,915.48	446.68
005-354-027-000	0.00	446.68
005-354-028-000	1,915.48	446.68
005-355-001-000	379.54	446.68
005-355-002-000	1,915.48	446.68
005-355-003-000	0.00	446.68
005-355-004-000	0.00	446.68
005-355-005-000	1,915.48	446.68
005-355-006-000	1,915.48	446.68
005-355-007-000	1,915.48	446.68
005-355-008-000	1,915.48	446.68
005-355-009-000	1,915.48	446.68
005-355-011-000	1,915.48	446.68
005-355-012-000	1,915.48	446.68
005-355-013-000	0.00	446.68
005-355-014-000	1,915.48	446.68
005-355-015-000	1,915.48	446.68
005-355-016-000	1,915.48	446.68
005-355-017-000	1,915.48	446.68
005-355-018-000	1,915.48	446.68
005-355-019-000	0.00	446.68
005-355-020-000	0.00	446.68
005-355-021-000	1,915.48	446.68
005-355-022-000	1,915.48	446.68
005-355-023-000	1,915.48	446.68
005-355-024-000	1,915.48	446.68
005-355-025-000	1,915.48	446.68
005-355-026-000	1,915.48	446.68
005-355-028-000	1,915.48	446.68
005-355-029-000	1,915.48	446.68
005-355-030-000	0.00	446.68
005-355-031-000	1,915.48	446.68
005-355-032-000	1,915.48	446.68
005-355-033-000	0.00	446.68
005-355-034-000	1,915.48	446.68
005-355-035-000	1,915.48	446.68
005-355-036-000	1,915.48	446.68
005-430-001-000	2,300.78	446.68

Exhibit A-1

Improvement Area No. 1 of
Community Facilities District No. 2005-2 of the City of Ione
(Edgebrook and Castle Oaks Phase II)

Assessor's Parcel Number	*FY 2023-2024 Special Tax A*	*FY 2023-2024 Special Tax B*
005-430-002-000	0.00	446.68
005-430-003-000	2,300.78	446.68
005-430-004-000	2,300.78	446.68
005-430-005-000	0.00	446.68
005-430-006-000	2,300.78	446.68
005-430-007-000	0.00	446.68
005-430-008-000	0.00	446.68
005-430-009-000	2,300.78	446.68
005-430-010-000	2,300.78	446.68
005-430-011-000	0.00	446.68
005-430-012-000	2,300.78	446.68
005-430-013-000	2,300.78	446.68
005-430-014-000	2,300.78	446.68
005-430-015-000	2,300.78	446.68
005-430-016-000	2,300.78	446.68
005-430-017-000	2,300.78	446.68
005-430-018-000	2,300.78	446.68
005-430-019-000	2,300.78	446.68
005-430-020-000	2,300.78	446.68
005-430-021-000	2,300.78	446.68
005-430-022-000	2,300.78	446.68
005-430-023-000	0.00	446.68
005-440-001-000	2,300.78	446.68
005-440-002-000	2,300.78	446.68
005-440-003-000	0.00	446.68
005-440-004-000	2,300.78	446.68
005-440-005-000	0.00	446.68
005-440-006-000	2,300.78	446.68
005-440-007-000	0.00	446.68
005-440-008-000	2,300.78	446.68
005-440-009-000	0.00	446.68
005-440-010-000	2,300.78	446.68
005-440-011-000	2,300.78	446.68
005-440-012-000	2,300.78	446.68
005-440-013-000	2,300.78	446.68
005-440-014-000	2,300.78	446.68
005-440-015-000	2,300.78	446.68
005-440-016-000	0.00	446.68
005-440-017-000	2,300.78	446.68
005-440-018-000	2,300.78	446.68
005-440-019-000	2,300.78	446.68

Exhibit A-1

Improvement Area No. 1 of
Community Facilities District No. 2005-2 of the City of Ione
(Edgebrook and Castle Oaks Phase II)

Assessor's Parcel Number	*FY 2023-2024 Special Tax A*	*FY 2023-2024 Special Tax B*
005-440-020-000	0.00	446.68
005-440-021-000	0.00	446.68
005-440-022-000	2,300.78	446.68
005-440-023-000	2,300.78	446.68
005-440-024-000	2,300.78	446.68
005-440-025-000	2,300.78	446.68
005-440-026-000	0.00	446.68
005-440-027-000	0.00	446.68
005-440-028-000	2,300.78	446.68
005-440-029-000	2,300.78	446.68
005-440-030-000	0.00	446.68
005-440-031-000	1,270.78	446.68
005-440-032-000	2,300.78	446.68
005-440-033-000	2,300.78	446.68
005-440-034-000	2,300.78	446.68
005-440-035-000	2,300.78	446.68
005-440-036-000	0.00	446.68
Total FY 2023-2024 Special Tax Levy	$198,601.14	$62,535.20
Total Number of Parcels Taxed	99	140

Exhibit A-2

Improvement Area No. 2 of
Community Facilities District No. 2005-2 of the City of Ione
(Edgebrook and Castle Oaks Phase II)

Assessor's Parcel Number	*FY 2023-2024 Special Tax A*	*FY 2023-2024 Special Tax B*
005-450-013-000	$0.00	$446.68
005-450-014-000	0.00	446.68
005-450-015-000	0.00	446.68
005-450-016-000	0.00	446.68
005-450-017-000	0.00	446.68
005-450-018-000	0.00	446.68
005-450-019-000	0.00	446.68
005-450-020-000	0.00	446.68
005-450-021-000	0.00	446.68
005-450-022-000	0.00	446.68
005-450-023-000	0.00	446.68
005-450-024-000	0.00	446.68
005-450-025-000	0.00	446.68
005-450-026-000	0.00	446.68
005-450-027-000	0.00	446.68
005-450-028-000	0.00	446.68
005-450-029-000	0.00	446.68
005-450-030-000	0.00	446.68
005-450-031-000	0.00	446.68
005-450-032-000	0.00	446.68
005-450-033-000	0.00	446.68
005-450-034-000	0.00	446.68
005-450-035-000	0.00	446.68
005-450-036-000	0.00	446.68
005-450-037-000	0.00	446.68
005-450-038-000	0.00	446.68
005-450-039-000	0.00	446.68
005-450-040-000	0.00	446.68
005-450-041-000	0.00	446.68
005-450-042-000	0.00	446.68
005-450-043-000	0.00	446.68
005-450-044-000	0.00	446.68
005-450-045-000	0.00	446.68
005-450-046-000	0.00	446.68
005-450-047-000	0.00	446.68
005-450-048-000	0.00	446.68
005-450-049-000	0.00	446.68
005-450-050-000	0.00	446.68
005-450-051-000	0.00	446.68
005-460-001-000	0.00	446.68
005-460-002-000	0.00	446.68

Exhibit A-2

Improvement Area No. 2 of
Community Facilities District No. 2005-2 of the City of Ione
(Edgebrook and Castle Oaks Phase II)

Assessor's Parcel Number	*FY 2023-2024 Special Tax A*	*FY 2023-2024 Special Tax B*
005-460-003-000	0.00	446.68
005-460-005-000	0.00	446.68
005-460-006-000	0.00	446.68
005-460-007-000	0.00	446.68
005-460-008-000	0.00	446.68
005-460-009-000	0.00	446.68
005-460-010-000	0.00	446.68
005-460-011-000	0.00	446.68
005-460-012-000	0.00	446.68
005-460-014-000	0.00	446.68
005-460-015-000	0.00	446.68
005-460-016-000	0.00	446.68
005-460-021-000	0.00	446.68
005-460-022-000	0.00	446.68
005-460-023-000	0.00	446.68
005-460-024-000	0.00	446.68
005-460-025-000	0.00	446.68
005-460-026-000	0.00	446.68
005-460-027-000	0.00	446.68
005-460-028-000	0.00	446.68
005-460-029-000	0.00	446.68
005-460-030-000	0.00	446.68
005-460-031-000	0.00	446.68
005-460-032-000	0.00	446.68
005-460-033-000	0.00	446.68
005-460-034-000	0.00	446.68
005-460-035-000	0.00	446.68
005-460-036-000	0.00	446.68
005-471-002-000	0.00	446.68
005-471-003-000	0.00	446.68
005-471-004-000	0.00	446.68
005-471-005-000	0.00	446.68
005-471-006-000	0.00	446.68
005-471-007-000	0.00	446.68
005-471-008-000	0.00	446.68
005-471-009-000	0.00	446.68
005-471-010-000	0.00	446.68
005-471-011-000	0.00	446.68
005-471-012-000	0.00	446.68
005-471-013-000	0.00	446.68
005-471-014-000	0.00	446.68

Exhibit A-2

Improvement Area No. 2 of
Community Facilities District No. 2005-2 of the City of Ione
(Edgebrook and Castle Oaks Phase II)

Assessor's Parcel Number	*FY 2023-2024 Special Tax A*	*FY 2023-2024 Special Tax B*
005-471-015-000	0.00	446.68
005-471-016-000	0.00	446.68
005-471-017-000	0.00	446.68
005-471-018-000	0.00	446.68
005-471-019-000	0.00	446.68
005-471-020-000	0.00	446.68
005-471-021-000	0.00	446.68
005-471-022-000	0.00	446.68
005-471-023-000	0.00	446.68
005-472-001-000	0.00	446.68
005-472-002-000	0.00	446.68
005-472-004-000	0.00	446.68
005-472-005-000	0.00	446.68
005-472-006-000	0.00	446.68
005-472-007-000	0.00	446.68
005-472-008-000	0.00	446.68
005-472-009-000	0.00	446.68
005-472-010-000	0.00	446.68
005-472-011-000	0.00	446.68
005-472-012-000	0.00	446.68
005-472-013-000	0.00	446.68
005-472-014-000	0.00	446.68
005-472-015-000	0.00	446.68
005-472-016-000	0.00	446.68
005-472-017-000	0.00	446.68
005-473-001-000	0.00	446.68
005-473-002-000	0.00	446.68
005-473-003-000	0.00	446.68
005-473-004-000	0.00	446.68
005-473-005-000	0.00	446.68
005-473-006-000	0.00	446.68
005-473-007-000	0.00	446.68
005-473-008-000	0.00	446.68
005-473-009-000	0.00	446.68
005-473-010-000	0.00	446.68
005-473-011-000	0.00	446.68
005-473-012-000	0.00	446.68
005-473-013-000	0.00	446.68
005-473-014-000	0.00	446.68
005-473-015-000	0.00	446.68
005-473-016-000	0.00	446.68

Exhibit A-2

Improvement Area No. 2 of
Community Facilities District No. 2005-2 of the City of Ione
(Edgebrook and Castle Oaks Phase II)

Assessor's Parcel Number	*FY 2023-2024 Special Tax A*	*FY 2023-2024 Special Tax B*
005-473-017-000	0.00	446.68
005-473-018-000	0.00	446.68
005-473-019-000	0.00	446.68
005-473-020-000	0.00	446.68
005-473-021-000	0.00	446.68
005-474-001-000	0.00	446.68
005-474-002-000	0.00	446.68
005-474-003-000	0.00	446.68
005-474-004-000	0.00	446.68
005-474-005-000	0.00	446.68
005-474-006-000	0.00	446.68
005-474-007-000	0.00	446.68
005-474-008-000	0.00	446.68
005-474-009-000	0.00	446.68
005-474-010-000	0.00	446.68
005-474-011-000	0.00	446.68
005-474-012-000	0.00	446.68
005-474-013-000	0.00	446.68
005-474-014-000	0.00	446.68
005-474-015-000	0.00	446.68
005-474-016-000	0.00	446.68
005-474-017-000	0.00	446.68
005-474-018-000	0.00	446.68
005-474-019-000	0.00	446.68
005-474-020-000	0.00	446.68
005-474-021-000	0.00	446.68
005-474-022-000	0.00	446.68
005-474-023-000	0.00	446.68
005-474-024-000	0.00	446.68
005-474-025-000	0.00	446.68
005-474-026-000	0.00	446.68
Total FY 2023-2024 Special Tax Levy	$0.00	$68,788.72
Total Number of Parcels Taxed	0	154

Exhibit A-3

Improvement Area No. 3 of
Community Facilities District No. 2005-2 of the City of Ione
(Edgebrook and Castle Oaks Phase II)

Assessor's Parcel Number	*FY 2023-2024 Special Tax A*	*FY 2023-2024 Special Tax B*
005-320-041-000	$103,017.42	$0.00
005-320-046-000	36,379.24	0.00
005-450-001-000	2,926.50	857.20
005-450-002-000	2,926.50	857.20
005-450-003-000	2,926.50	857.20
005-450-004-000	0.00	857.20
005-450-005-000	2,926.50	857.20
005-450-006-000	2,926.50	857.20
005-450-007-000	0.00	857.20
005-450-009-000	2,926.50	857.20
005-450-010-000	0.00	857.20
005-450-011-000	0.00	857.20
005-450-012-000	0.00	857.20
005-450-052-000	0.00	857.20
005-450-053-000	0.00	857.20
005-450-054-000	0.00	857.20
005-450-055-000	0.00	857.20
005-450-056-000	0.00	857.20
005-450-057-000	0.00	857.20
005-450-058-000	0.00	857.20
005-450-059-000	0.00	857.20
005-450-060-000	0.00	857.20
005-450-061-000	0.00	857.20
005-450-062-000	0.00	857.20
005-450-063-000	0.00	857.20
005-450-064-000	0.00	857.20
005-450-065-000	0.00	857.20
005-450-066-000	0.00	857.20
005-450-067-000	0.00	857.20
005-450-068-000	0.00	857.20
005-450-069-000	0.00	857.20
005-450-070-000	0.00	857.20
005-460-018-000	2,926.50	857.20
005-460-019-000	2,926.50	857.20
005-460-020-000	0.00	857.20
005-460-040-000	0.00	857.20
005-460-041-000	0.00	857.20
005-460-042-000	0.00	857.20
005-460-043-000	0.00	857.20
005-460-044-000	0.00	857.20
005-460-045-000	0.00	857.20

Exhibit A-3

Improvement Area No. 3 of
Community Facilities District No. 2005-2 of the City of Ione
(Edgebrook and Castle Oaks Phase II)

Assessor's Parcel Number	*FY 2023-2024 Special Tax A*	*FY 2023-2024 Special Tax B*
005-460-046-000	0.00	857.20
005-460-047-000	0.00	857.20
005-460-048-000	0.00	857.20
005-460-049-000	0.00	857.20
005-460-050-000	0.00	857.20
005-460-051-000	0.00	857.20
005-460-052-000	0.00	857.20
005-460-053-000	0.00	857.20
005-460-054-000	0.00	857.20
005-460-055-000	0.00	857.20
005-480-001-000	0.00	857.20
005-480-002-000	0.00	857.20
005-480-003-000	0.00	857.20
005-480-004-000	0.00	857.20
005-480-005-000	0.00	857.20
005-480-006-000	0.00	857.20
005-480-007-000	0.00	857.20
005-480-008-000	0.00	857.20
005-480-009-000	0.00	857.20
005-480-010-000	0.00	857.20
005-480-011-000	0.00	857.20
005-480-012-000	0.00	857.20
005-480-013-000	0.00	857.20
005-480-014-000	0.00	857.20
005-480-015-000	0.00	857.20
005-480-016-000	0.00	857.20
005-480-017-000	0.00	857.20
005-480-018-000	0.00	857.20
005-480-020-000	0.00	857.20
005-480-023-000	0.00	857.20
005-480-024-000	0.00	857.20
005-480-025-000	0.00	857.20
005-480-026-000	0.00	857.20
005-480-027-000	0.00	857.20
005-480-028-000	0.00	857.20
005-480-029-000	0.00	857.20
005-480-030-000	0.00	857.20
005-480-031-000	0.00	857.20
005-480-032-000	0.00	857.20
005-480-033-000	0.00	857.20
005-480-034-000	0.00	857.20

Exhibit A-3

Improvement Area No. 3 of
Community Facilities District No. 2005-2 of the City of Ione
(Edgebrook and Castle Oaks Phase II)

Assessor's Parcel Number	*FY 2023-2024 Special Tax A*	*FY 2023-2024 Special Tax B*
005-480-035-000	0.00	857.20
005-480-036-000	0.00	857.20
005-480-037-000	0.00	857.20
005-480-038-000	0.00	857.20
005-480-039-000	0.00	857.20
005-480-040-000	0.00	857.20
005-480-041-000	0.00	857.20
005-480-042-000	0.00	857.20
005-480-043-000	0.00	857.20
005-480-044-000	0.00	857.20
005-480-045-000	0.00	857.20
005-490-001-000	0.00	857.20
005-490-002-000	0.00	857.20
005-490-003-000	0.00	857.20
005-490-005-000	0.00	857.20
005-490-006-000	0.00	857.20
005-490-007-000	0.00	857.20
005-490-008-000	0.00	857.20
005-490-009-000	0.00	857.20
005-490-010-000	0.00	857.20
005-490-011-000	0.00	857.20
005-490-012-000	0.00	857.20
005-490-013-000	0.00	857.20
005-490-014-000	0.00	857.20
005-490-015-000	0.00	857.20
005-490-016-000	0.00	857.20
005-490-017-000	0.00	857.20
005-490-018-000	0.00	857.20
005-490-019-000	0.00	857.20
005-490-022-000	0.00	857.20
005-490-023-000	0.00	857.20
005-490-024-000	0.00	857.20
005-490-025-000	0.00	857.20
005-490-026-000	0.00	857.20
005-490-027-000	0.00	857.20
005-490-028-000	0.00	857.20
005-490-029-000	0.00	857.20
005-490-030-000	0.00	857.20
005-490-031-000	0.00	857.20
005-490-032-000	0.00	857.20
005-490-033-000	0.00	857.20

Exhibit A-3

Improvement Area No. 3 of
Community Facilities District No. 2005-2 of the City of Ione
(Edgebrook and Castle Oaks Phase II)

Assessor's Parcel Number	*FY 2023-2024 Special Tax A*	*FY 2023-2024 Special Tax B*
005-490-034-000	0.00	857.20
005-490-035-000	0.00	857.20
005-490-036-000	0.00	857.20
005-490-038-000	0.00	857.20
005-490-039-000	0.00	857.20
005-490-040-000	0.00	857.20
005-500-001-000	0.00	857.20
005-500-002-000	0.00	857.20
005-500-003-000	0.00	857.20
005-500-004-000	0.00	857.20
005-500-005-000	0.00	857.20
005-500-006-000	0.00	857.20
005-500-007-000	0.00	857.20
005-500-008-000	0.00	857.20
005-500-009-000	0.00	857.20
005-500-010-000	0.00	857.20
005-500-011-000	0.00	857.20
005-500-012-000	0.00	857.20
005-500-013-000	0.00	857.20
005-500-014-000	0.00	857.20
005-500-015-000	0.00	857.20
005-500-016-000	0.00	857.20
005-500-017-000	0.00	857.20
005-500-018-000	0.00	857.20
005-500-019-000	0.00	857.20
005-500-020-000	0.00	857.20
005-500-021-000	0.00	857.20
005-500-022-000	0.00	857.20
005-500-023-000	0.00	857.20
005-500-024-000	0.00	857.20
005-500-025-000	0.00	857.20
005-500-026-000	0.00	857.20
005-500-027-000	0.00	857.20
005-500-028-000	0.00	857.20
005-500-029-000	0.00	857.20
005-500-030-000	0.00	857.20
005-500-031-000	0.00	857.20
005-510-001-000	0.00	857.20
005-510-002-000	0.00	857.20
005-510-003-000	0.00	857.20
005-510-004-000	0.00	857.20

Exhibit A-3

Improvement Area No. 3 of
Community Facilities District No. 2005-2 of the City of Ione
(Edgebrook and Castle Oaks Phase II)

Assessor's Parcel Number	*FY 2023-2024 Special Tax A*	*FY 2023-2024 Special Tax B*
005-510-005-000	0.00	857.20
005-510-006-000	0.00	857.20
005-510-007-000	0.00	857.20
005-510-008-000	0.00	857.20
005-510-009-000	0.00	857.20
005-510-010-000	0.00	857.20
005-510-011-000	0.00	857.20
005-510-012-000	0.00	857.20
005-510-013-000	0.00	857.20
005-510-014-000	0.00	857.20
005-510-015-000	0.00	857.20
005-510-016-000	0.00	857.20
005-510-017-000	0.00	857.20
005-510-018-000	0.00	857.20
005-510-019-000	0.00	857.20
005-510-020-000	0.00	857.20
005-510-021-000	0.00	857.20
005-510-022-000	0.00	857.20
005-510-023-000	0.00	857.20
005-510-024-000	0.00	857.20
005-520-001-000	0.00	857.20
005-520-002-000	0.00	857.20
005-520-003-000	0.00	857.20
005-520-004-000	0.00	857.20
005-520-005-000	0.00	857.20
005-520-006-000	0.00	857.20
005-520-007-000	0.00	857.20
005-520-008-000	0.00	857.20
005-520-009-000	0.00	857.20
005-520-010-000	0.00	857.20
005-520-011-000	0.00	857.20
005-520-012-000	0.00	857.20
005-520-013-000	0.00	857.20
005-520-014-000	0.00	857.20
005-520-015-000	0.00	857.20
005-520-016-000	0.00	857.20
005-520-017-000	0.00	857.20
005-520-018-000	0.00	857.20
005-520-019-000	0.00	857.20
005-520-020-000	0.00	857.20
005-520-021-000	0.00	857.20

Exhibit A-3

Improvement Area No. 3 of
Community Facilities District No. 2005-2 of the City of Ione
(Edgebrook and Castle Oaks Phase II)

Assessor's Parcel Number	*FY 2023-2024 Special Tax A*	*FY 2023-2024 Special Tax B*
005-520-022-000	0.00	857.20
005-520-023-000	0.00	857.20
005-520-024-000	0.00	857.20
005-520-025-000	0.00	857.20
005-520-026-000	0.00	857.20
005-520-027-000	0.00	857.20
005-520-028-000	0.00	857.20
005-520-029-000	0.00	857.20
005-520-030-000	0.00	857.20
005-520-031-000	0.00	857.20
005-520-032-000	0.00	857.20
005-520-033-000	0.00	857.20
005-520-034-000	0.00	857.20
005-520-035-000	0.00	857.20
005-520-036-000	0.00	857.20
005-520-037-000	0.00	857.20
005-520-038-000	0.00	857.20
005-520-039-000	0.00	857.20
005-520-040-000	0.00	857.20
005-520-041-000	0.00	857.20
005-520-042-000	0.00	857.20
005-530-001-000	0.00	857.20
005-530-002-000	0.00	857.20
005-530-003-000	0.00	857.20
005-530-004-000	0.00	857.20
005-530-005-000	0.00	857.20
005-530-006-000	0.00	857.20
005-530-007-000	0.00	857.20
005-530-008-000	0.00	857.20
005-530-009-000	0.00	857.20
005-530-010-000	0.00	857.20
005-530-011-000	0.00	857.20
005-530-012-000	0.00	857.20
005-530-013-000	0.00	857.20
005-530-014-000	0.00	857.20
005-530-015-000	0.00	857.20
005-530-016-000	0.00	857.20
005-530-017-000	0.00	857.20
005-530-018-000	0.00	857.20
005-530-019-000	0.00	857.20
005-530-020-000	0.00	857.20

Exhibit A-3

Improvement Area No. 3 of
Community Facilities District No. 2005-2 of the City of Ione
(Edgebrook and Castle Oaks Phase II)

Assessor's Parcel Number	*FY 2023-2024 Special Tax A*	*FY 2023-2024 Special Tax B*
005-530-021-000	0.00	857.20
005-530-022-000	0.00	857.20
005-530-023-000	0.00	857.20
005-530-024-000	0.00	857.20
005-530-025-000	0.00	857.20
005-530-026-000	0.00	857.20
005-530-027-000	0.00	857.20
005-530-028-000	0.00	857.20
005-530-029-000	0.00	857.20
005-530-030-000	0.00	857.20
005-530-031-000	0.00	857.20
005-530-032-000	0.00	857.20
005-530-033-000	0.00	857.20
005-530-034-000	0.00	857.20
005-530-035-000	0.00	857.20
005-530-036-000	0.00	857.20
005-530-037-000	0.00	857.20
005-530-038-000	0.00	857.20
005-530-039-000	0.00	857.20
005-530-040-000	0.00	857.20
005-530-041-000	0.00	857.20
005-530-042-000	0.00	857.20
005-530-043-000	0.00	857.20
005-530-044-000	0.00	857.20
005-530-045-000	0.00	857.20
005-530-046-000	0.00	857.20
005-530-047-000	0.00	857.20
005-530-048-000	0.00	857.20
005-530-049-000	0.00	857.20
005-530-050-000	0.00	857.20
005-530-051-000	0.00	857.20
005-540-001-000	0.00	857.20
005-540-002-000	0.00	857.20
005-540-003-000	0.00	857.20
005-540-004-000	0.00	857.20
005-540-005-000	0.00	857.20
005-540-006-000	0.00	857.20
005-540-007-000	0.00	857.20
005-540-008-000	0.00	857.20
005-540-009-000	0.00	857.20
005-540-010-000	0.00	857.20

Exhibit A-3

Improvement Area No. 3 of
Community Facilities District No. 2005-2 of the City of Ione
(Edgebrook and Castle Oaks Phase II)

Assessor's Parcel Number	*FY 2023-2024 Special Tax A*	*FY 2023-2024 Special Tax B*
005-540-011-000	0.00	857.20
005-540-012-000	0.00	857.20
005-540-013-000	0.00	857.20
005-540-014-000	0.00	857.20
005-540-015-000	0.00	857.20
005-540-016-000	0.00	857.20
005-540-017-000	0.00	857.20
005-540-018-000	0.00	857.20
005-540-019-000	0.00	857.20
005-540-020-000	0.00	857.20
005-540-021-000	0.00	857.20
005-540-022-000	0.00	857.20
005-540-023-000	0.00	857.20
005-540-024-000	0.00	857.20
005-540-025-000	0.00	857.20
005-540-026-000	0.00	857.20
005-540-027-000	0.00	857.20
005-540-028-000	0.00	857.20
005-540-029-000	0.00	857.20
005-540-030-000	0.00	857.20
005-540-031-000	0.00	857.20
005-540-032-000	0.00	857.20
005-540-033-000	0.00	857.20
005-540-036-000	0.00	857.20
005-540-037-000	0.00	857.20
005-540-038-000	0.00	857.20
005-540-039-000	0.00	857.20
005-540-040-000	0.00	857.20
005-540-041-000	0.00	857.20
005-540-042-000	0.00	857.20
005-540-043-000	0.00	857.20
005-540-044-000	0.00	857.20
005-540-045-000	0.00	857.20
005-540-046-000	0.00	857.20
005-540-047-000	0.00	857.20
005-540-048-000	0.00	857.20
005-540-049-000	0.00	857.20
005-540-050-000	0.00	857.20
005-540-051-000	0.00	857.20
005-540-052-000	0.00	857.20
005-540-053-000	0.00	857.20

Exhibit A-3

Improvement Area No. 3 of
Community Facilities District No. 2005-2 of the City of Ione
(Edgebrook and Castle Oaks Phase II)

Assessor's Parcel Number	*FY 2023-2024 Special Tax A*	*FY 2023-2024 Special Tax B*
005-540-054-000	0.00	857.20
005-540-055-000	0.00	857.20
005-540-056-000	0.00	857.20
005-540-057-000	0.00	857.20
005-540-058-000	0.00	857.20
005-540-059-000	0.00	857.20
005-550-001-000	771.42	0.00
005-550-002-000	795.80	0.00
005-550-003-000	715.08	0.00
005-550-004-000	654.14	0.00
005-550-005-000	639.92	0.00
005-550-006-000	668.36	0.00
005-550-007-000	654.14	0.00
005-550-008-000	639.92	0.00
005-550-009-000	654.14	0.00
005-550-010-000	668.36	0.00
005-550-011-000	639.92	0.00
005-550-024-000	668.36	0.00
005-550-025-000	639.92	0.00
005-550-026-000	642.22	0.00
005-550-027-000	805.82	0.00
005-550-031-000	670.12	0.00
005-550-036-000	732.02	0.00
005-550-037-000	700.86	0.00
005-550-038-000	945.60	0.00
005-550-039-000	1,139.68	0.00
Total FY 2023-2024 Special Tax Levy	$177,254.46	$284,590.40
Total Number of Parcels Taxed	30	332

Attachment B

RESOLUTION NO. [____]

RESOLUTION OF THE CITY COUNCIL OF THE CITY OF IONE, ACTING IN ITS CAPACITY AS THE LEGISLATIVE BODY OF COMMUNITY FACILITIES DISTRICT NO. 2006-1 OF THE CITY OF IONE (WILDFLOWER-PUBLIC SAFETY SERVICES) AUTHORIZING THE LEVY OF SPECIAL TAXES FOR FISCAL YEAR 2023-2024

WHEREAS, on January 3, 2006, the City Council of the City of Ione (the "City Council") adopted Resolution No. 1492 stating its intention to form Community Facilities District No. 2006-1 of the City of Ione (Wildflower-Public Safety Services) ("Community Facilities District No. 2006-1" or "District") pursuant to the Mello-Roos Community Facilities Act of 1982, as amended, Section 53311 *et seq.* of the Government Code (the "Act"); and

WHEREAS, on February 7, 2006, the City Council adopted Resolution No. 1522 which established Community Facilities District No. 2006-1 to pay for police and fire protection and rescue services, authorized the levy of a special tax within Community Facilities District No. 2006-1, called an election within Community Facilities District No. 2006-1 on the ballot proposition relating to levying a special tax and establishing an appropriations limit, and approved and authorized certain actions related to the levy of the special tax and the election; and

WHEREAS, on February 7, 2006, an election was held within Community Facilities District No. 2006-1 at which the qualified electors approved by more than a two-thirds vote the proposition of levying a special tax within Community Facilities District No. 2006-1 as set forth in Resolution No. 1522; and

WHEREAS, on February 7, 2006, the City Council adopted Resolution No. 1523 which certified the results of the February 7, 2006 election conducted by the City Clerk, which results showed that more than two-thirds of the votes cast were in favor of the proposition to levy the special tax within Community Facilities Districts No. 2006-1; and

WHEREAS, on February 21, 2006, the City Council adopted Ordinance No. 392 which authorized the levy of the special tax within Community Facilities District No. 2006-1 (the "Ordinance"); and

WHEREAS, this City Council hereby certifies that the Ordinance authorizing the levy of the special taxes within Community Facilities District No. 2006-1 has been duly adopted in accordance with law and is legal and valid; and

WHEREAS, the Ordinance provides that the City Council is further authorized to determine, by ordinance, or by resolution if permitted by then applicable law, on or before August 10 of each year, the specific special tax to be levied on each parcel of land in Community Facilities District No. 2006-1; and

WHEREAS, it is now necessary and appropriate that this City Council levy and collect the special taxes for Fiscal Year 2023-2024 for the purpose specified in the Ordinance, by the adoption of a resolution as specified by the Act and the Ordinance; and

WHEREAS, the special taxes being levied hereunder are at the same rate or at a lower rate than provided by the Ordinance;

NOW, THEREFORE, the City Council of the City of Ione acting in its capacity as the legislative body of Community Facilities District No. 2006-1 does resolve as follows:

Section 1. The above recitals are all true and correct.

Section 2. In accordance with Section 53340 of the Act and the Ordinance, there is hereby levied upon the parcels within the Community Facilities District No. 2006-1 which are not otherwise exempt from taxation under the Act or the Ordinance the special taxes for Fiscal Year 2023-2024 (the "Special Taxes"), at the tax rates set forth in Exhibit A hereto. The Special Tax Consultant shall apportion the Special Taxes in the manner specified in Resolution No. 1522. Such rates do not exceed the maximum rates set forth in the Ordinance. After adoption of this Resolution, but no later than August 10, 2023, the Special Tax Consultant shall deliver the certified list of all parcels subject

to the special tax levy including the amount of the Special Taxes to be levied on each parcel in Fiscal Year 2023-2024 (the "Certified List") to the City Manager or her designee and thereafter, but in no event later than August 10, 2023, the City Manager or her designee shall cause a certified copy of this Resolution together with the Certified List, to be filed with the County Auditor-Controller. The Certified List may contain tax rates lower than those set forth in Exhibit A if the City Manager determines that such lower rates are adequate to accomplish the purposes of Community Facilities District No. 2006-1 in Fiscal Year 2023-2024. The City Manager or her designee and the County Auditor-Controller are hereby authorized to make changes to the Certified List from time to time to correct any error in the amount of the levy on any parcel to make it consistent with the respective rate and method of apportionment for Community Facilities District No. 2006-1 attached to the Ordinance, including, but not limited to, adding any parcels omitted from the Certified List or deleting any parcels included in the Certified List.

Section 3. Properties or entities of the state, federal or local governments shall be exempt from the above-referenced and approved Special Taxes only to the extent set forth in the Ordinance and otherwise shall be subject to the Special Taxes consistent with the provisions of Section 53317.3 of the Act in effect as of the date of adoption of this Resolution.

Section 4. All of the collections of the Special Taxes shall be used only as provided for in the Act and Resolution No. 1522. The Special Taxes shall be levied only so long as needed to accomplish the purposes described in Resolution No. 1522.

Section 5. The Special Taxes shall be collected in the same manner as ordinary ad valorem taxes are collected and shall be subject to the same penalties and the same procedure, sale and lien priority in cases of delinquency as provided for ad valorem taxes as such procedure may be modified by law or this City Council from time to time.

Section 6. As a cumulative remedy, if any amount levied as the Special Taxes, together with any penalties and other charges accruing under this Resolution, are not paid when due, the City

Council may, not later than four years after the due date of the last installment order that the same be collected by an action brought in the superior court to foreclose the lien of such Special Taxes.

Section 7. The City Manager or her designee is hereby authorized to transmit a certified copy of this Resolution, together with the Certified List, to the County Assessor and/or the Treasurer-Tax Collector, together with other supporting documentation as may be required to place the Special Taxes on the secured property tax roll for Fiscal Year 2023-2024 and for the collection of the Special Taxes in the manner of ad valorem property taxes and to perform all other acts which are required by the Act, the Ordinance, or by law or deemed necessary by the City Manager in order to accomplish the purpose of this Resolution or the Act.

Section 8. This Resolution shall be effective upon its adoption.

PASSED AND ADOPTED by the City Council of the City of Ione, California, this 1st day of August 2023, by the following vote:

AYES:

NAYS:

ABSENT:

ABSTAIN:

_____
MAYOR OF THE CITY OF IONE

ATTEST:

_____
City Clerk

APPROVED AS TO FORM:

_____
City Attorney

Exhibit A

Community Facilities District No. 2006-1 of the City of Ione
(Wildflower-Public Safety Services)

Assessor's Parcel Number	*FY 2023-2024 Special Tax*
011-340-001-000	$435.98
011-340-002-000	435.98
011-340-003-000	435.98
011-340-004-000	435.98
011-340-005-000	435.98
011-340-006-000	435.98
011-340-007-000	435.98
011-340-008-000	435.98
011-340-009-000	435.98
011-340-010-000	435.98
011-340-011-000	435.98
011-340-012-000	435.98
011-340-013-000	435.98
011-340-014-000	435.98
011-340-015-000	435.98
011-340-016-000	435.98
011-340-017-000	435.98
011-340-018-000	435.98
011-340-019-000	435.98
011-340-020-000	435.98
011-340-021-000	435.98
011-340-022-000	435.98
011-340-023-000	435.98
011-340-024-000	435.98
011-340-025-000	435.98
011-340-026-000	435.98
011-340-027-000	435.98
011-340-028-000	435.98
011-340-029-000	435.98
011-340-030-000	435.98
011-340-031-000	435.98
011-340-032-000	435.98
011-340-033-000	435.98
011-340-034-000	435.98
011-340-035-000	435.98
011-340-036-000	435.98
011-340-037-000	435.98
011-340-038-000	435.98
011-340-039-000	435.98
011-340-040-000	435.98
011-340-041-000	435.98
011-340-042-000	435.98

Exhibit A

Community Facilities District No. 2006-1 of the City of Ione
(Wildflower-Public Safety Services)

Assessor's Parcel Number	*FY 2023-2024 Special Tax*
011-340-043-000	435.98
011-340-044-000	435.98
011-340-045-000	435.98
011-340-046-000	435.98
011-340-047-000	435.98
011-350-001-000	435.98
011-350-002-000	435.98
011-350-003-000	435.98
011-350-004-000	435.98
011-350-005-000	435.98
011-350-006-000	435.98
011-350-007-000	435.98
011-350-008-000	435.98
011-350-009-000	435.98
011-350-010-000	435.98
011-350-011-000	435.98
011-350-012-000	435.98
011-350-013-000	435.98
011-350-014-000	435.98
011-350-015-000	435.98
011-350-016-000	435.98
011-350-017-000	435.98
011-350-018-000	435.98
011-350-019-000	435.98
011-350-020-000	435.98
011-350-021-000	435.98
011-350-022-000	435.98
011-350-023-000	435.98
011-350-024-000	435.98
011-350-025-000	435.98
011-350-026-000	435.98
011-350-027-000	435.98
011-350-028-000	435.98
011-350-029-000	435.98
011-350-030-000	435.98
011-350-031-000	435.98
011-350-032-000	435.98
011-350-033-000	435.98
011-350-034-000	435.98
011-350-035-000	435.98
011-350-036-000	435.98
011-350-037-000	435.98

Exhibit A

Community Facilities District No. 2006-1 of the City of Ione
(Wildflower-Public Safety Services)

Assessor's Parcel Number	*FY 2023-2024 Special Tax*
011-350-038-000	435.98
011-350-039-000	435.98
011-350-040-000	435.98
011-370-001-000	435.98
011-370-002-000	435.98
011-370-003-000	435.98
011-370-004-000	435.98
011-370-005-000	435.98
011-370-006-000	435.98
011-370-007-000	435.98
011-370-008-000	435.98
011-370-009-000	435.98
011-370-010-000	435.98
011-370-011-000	435.98
011-370-012-000	435.98
011-370-013-000	435.98
011-370-014-000	435.98
011-370-015-000	435.98
011-370-016-000	435.98
011-370-017-000	435.98
011-370-018-000	435.98
011-370-019-000	435.98
011-370-020-000	435.98
011-370-021-000	435.98
011-370-022-000	435.98
011-370-023-000	435.98
011-370-024-000	435.98
011-370-025-000	435.98
011-370-026-000	435.98
011-370-027-000	435.98
011-370-028-000	435.98
011-370-029-000	435.98
011-370-030-000	435.98
011-370-031-000	435.98
011-370-093-000	435.98
011-370-094-000	435.98
011-370-034-000	435.98
011-370-035-000	435.98
011-370-036-000	435.98
011-370-037-000	435.98
011-370-038-000	435.98
011-370-039-000	435.98

Exhibit A

Community Facilities District No. 2006-1 of the City of Ione
(Wildflower-Public Safety Services)

Assessor's Parcel Number	*FY 2023-2024 Special Tax*
011-370-040-000	435.98
011-370-041-000	435.98
011-370-042-000	435.98
011-370-043-000	435.98
011-370-044-000	435.98
011-370-045-000	435.98
011-370-046-000	435.98
011-370-047-000	435.98
011-370-048-000	435.98
011-370-049-000	435.98
011-370-050-000	435.98
011-370-051-000	435.98
011-370-052-000	435.98
011-370-053-000	435.98
011-370-054-000	435.98
011-370-055-000	435.98
011-370-056-000	435.98
011-370-057-000	435.98
011-370-058-000	435.98
011-370-059-000	435.98
011-370-060-000	435.98
011-370-061-000	435.98
011-370-062-000	435.98
011-370-063-000	435.98
011-370-064-000	435.98
011-370-065-000	435.98
011-370-066-000	435.98
011-370-067-000	435.98
011-370-068-000	435.98
011-370-069-000	435.98
011-370-070-000	435.98
011-370-071-000	435.98
011-370-072-000	435.98
011-370-073-000	435.98
011-370-074-000	435.98
011-370-075-000	435.98
011-370-076-000	435.98
011-370-077-000	435.98
011-370-078-000	435.98
011-370-079-000	435.98
011-370-080-000	435.98
011-370-081-000	435.98

Exhibit A

Community Facilities District No. 2006-1 of the City of Ione
(Wildflower-Public Safety Services)

Assessor's Parcel Number	*FY 2023-2024 Special Tax*
011-370-082-000	435.98
011-370-083-000	435.98
011-370-084-000	435.98
011-370-085-000	435.98
011-370-086-000	435.98
011-370-087-000	435.98
011-370-088-000	435.98
011-370-089-000	435.98
011-370-090-000	435.98
011-370-091-000	435.98
011-370-092-000	435.98
011-380-001-000	435.98
011-380-002-000	435.98
011-380-003-000	435.98
011-380-004-000	435.98
011-380-005-000	435.98
011-380-006-000	435.98
011-380-007-000	435.98
011-380-008-000	435.98
011-380-009-000	435.98
011-380-010-000	435.98
011-380-011-000	435.98
011-380-012-000	435.98
011-380-013-000	435.98
011-380-014-000	435.98
011-380-015-000	435.98
011-380-016-000	435.98
011-380-025-000	435.98
011-380-026-000	435.98
011-380-027-000	435.98
011-380-028-000	435.98
011-380-029-000	435.98
011-380-030-000	435.98
011-380-031-000	435.98
011-380-032-000	435.98
011-380-033-000	435.98
Total FY 2023-2024 Special Tax Levy	$88,939.92
Total Number of Parcels	204

Attachment C

RESOLUTION NO. [____]

RESOLUTION OF THE CITY COUNCIL OF THE CITY OF IONE, ACTING IN ITS CAPACITY AS THE LEGISLATIVE BODY OF COMMUNITY FACILITIES DISTRICT NO. 2009-3 OF THE CITY OF IONE (CASTLE OAKS PHASE II) AUTHORIZING THE LEVY OF SPECIAL TAXES FOR FISCAL YEAR 2023-2024

WHEREAS, on February 17, 2009, the City Council of the City of Ione (the "City Council") adopted Resolution No. 1706 stating its intention to form Community Facilities District No. 2009-3 of the City of Ione (Castle Oaks Phase II) ("Community Facilities District No. 2009-3" or "District") pursuant to the Mello-Roos Community Facilities Act of 1982, as amended, Section 53311 *et seq.* of the Government Code (the "Act"); and

WHEREAS, on April 7, 2009, the City Council adopted Resolution No. 1715 which established Community Facilities District No. 2009-3 to pay for police protection services, fire protection and rescue services and the maintenance of parks, parkways, open space, landscape and lighting services, including maintaining an operating reserve in connection therewith, authorized the levy of a special tax within Community Facilities District No. 2009-3, called an election within Community Facilities District No. 2009-3 on the ballot proposition relating to levying a special tax and establishing an appropriations limit, and approved and authorized certain actions related to the levy of the special tax and the election; and

WHEREAS, on April 7, 2009, an election was held within Community Facilities District No. 2009-3 at which the qualified electors approved by more than a two-thirds vote the proposition of levying a special tax within Community Facilities District No. 2009-3 as set forth in Resolution No. 1715; and

WHEREAS, on April 7, 2009, the City Council adopted Resolution No. 1717 which certified the results of the April 7, 2009 election conducted by the City Clerk, which results showed that more

than two-thirds of the votes cast were in favor of the proposition to levy the special tax within Community Facilities Districts No. 2009-3; and

WHEREAS, on April 21, 2009, the City Council adopted Ordinance No. 428 which authorized the levy of the special tax within Community Facilities District No. 2009-3 (the "Ordinance"); and

WHEREAS, this City Council hereby certifies that the Ordinance authorizing the levy of the special taxes within Community Facilities District No. 2009-3 has been duly adopted in accordance with law and is legal and valid; and

WHEREAS, the Ordinance provides that the City Council is further authorized to determine, by ordinance, or by resolution if permitted by then applicable law, on or before August 10 of each year, the specific special tax to be levied on each parcel of land in Community Facilities District No. 2009-3; and

WHEREAS it is now necessary and appropriate that this City Council levy and collect the special taxes for Fiscal Year 2023-2024 for the purpose specified in the Ordinance, by the adoption of a resolution as specified by the Act and the Ordinance; and

WHEREAS, the special taxes being levied hereunder are at the same rate or at a lower rate than provided by the Ordinance;

NOW, THEREFORE, the City Council of the City of Ione acting in its capacity as the legislative body of Community Facilities District No. 2009-3 does resolve as follows:

Section 1. The above recitals are all true and correct.

Section 2. In accordance with Section 53340 of the Act and the Ordinance, there is hereby levied upon the parcels within the Community Facilities District No. 2009-3 which are not otherwise exempt from taxation under the Act or the Ordinance the special taxes for Fiscal Year 2023-2024 (the "Special Taxes"), at the tax rates set forth in Exhibit A hereto. The Special Tax Consultant shall apportion the Special Taxes in the manner specified in Resolution No. 1715. Such rates do not

exceed the maximum rates set forth in the Ordinance. After adoption of this Resolution, but no later than August 10, 2023, the Special Tax Consultant shall deliver the certified list of all parcels subject to the special tax levy including the amount of the Special Taxes to be levied on each parcel in Fiscal Year 2023-2024 (the "Certified List") to the City Manager or her designee and thereafter, but in no event later than August 10, 2023, the City Manager or her designee shall cause a certified copy of this Resolution together with the Certified List, to be filed with the County Auditor-Controller. The Certified List may contain tax rates lower than those set forth in Exhibit A if the City Manager determines that such lower rates are adequate to accomplish the purposes of Community Facilities District No. 2009-3 in Fiscal Year 2023-2024. The City Manager or her designee and the County Auditor-Controller are hereby authorized to make changes to the Certified List from time to time to correct any error in the amount of the levy on any parcel to make it consistent with the respective rate and method of apportionment for Community Facilities District No. 2009-3 attached to the Ordinance, including, but not limited to, adding any parcels omitted from the Certified List or deleting any parcels included in the Certified List.

Section 3. Properties or entities of the state, federal or local governments shall be exempt from the above-referenced and approved Special Taxes only to the extent set forth in the Ordinance and otherwise shall be subject to the Special Taxes consistent with the provisions of Section 53317.3 of the Act in effect as of the date of adoption of this Resolution.

Section 4. All of the collections of the Special Taxes shall be used only as provided for in the Act and Resolution No. 1715. The Special Taxes shall be levied only so long as needed to accomplish the purposes described in Resolution No. 1715.

Section 5. The Special Taxes shall be collected in the same manner as ordinary ad valorem taxes are collected and shall be subject to the same penalties and the same procedure, sale and lien priority in cases of delinquency as provided for ad valorem taxes as such procedure may be modified by law or this City Council from time to time.

Section 6. As a cumulative remedy, if any amount levied as the Special Taxes, together with any penalties and other charges accruing under this Resolution, are not paid when due, the City Council may, not later than four years after the due date of the last installment order that the same be collected by an action brought in the superior court to foreclose the lien of such Special Taxes.

Section 7. The City Manager or her designee is hereby authorized to transmit a certified copy of this Resolution, together with the Certified List, to the County Assessor and/or the Treasurer-Tax Collector, together with other supporting documentation as may be required to place the Special Taxes on the secured property tax roll for Fiscal Year 2023-2024 and for the collection of the Special Taxes in the manner of ad valorem property taxes and to perform all other acts which are required by the Act, the Ordinance, or by law or deemed necessary by the City Manager in order to accomplish the purpose of this Resolution or the Act.

Section 8. This Resolution shall be effective upon its adoption.

PASSED AND ADOPTED by the City Council of the City of Ione, California, this 1st day of August 2023, by the following vote:

AYES:

NAYS:

ABSENT:

ABSTAIN:

_____
MAYOR OF THE CITY OF IONE

ATTEST:

_____
City Clerk

APPROVED AS TO FORM:

_____
City Attorney

Exhibit A

Community Facilities District No. 2009-3 of the City of Ione
(Castle Oaks Phase II)

Assessor's Parcel Number	*FY 2023-2024 Special Tax*
005-450-013-000	$410.52
005-450-014-000	410.52
005-450-015-000	410.52
005-450-017-000	410.52
005-450-018-000	410.52
005-450-019-000	410.52
005-450-020-000	410.52
005-450-021-000	410.52
005-450-022-000	410.52
005-450-023-000	410.52
005-450-024-000	410.52
005-450-025-000	410.52
005-450-026-000	410.52
005-450-030-000	410.52
005-450-031-000	410.52
005-450-032-000	410.52
005-450-033-000	410.52
005-450-034-000	410.52
005-450-035-000	410.52
005-450-036-000	410.52
005-450-037-000	410.52
005-450-038-000	410.52
005-450-039-000	410.52
005-450-040-000	410.52
005-450-041-000	410.52
005-450-042-000	410.52
005-450-043-000	410.52
005-450-044-000	410.52
005-450-045-000	410.52
005-450-046-000	410.52
005-450-047-000	410.52
005-450-048-000	410.52
005-450-049-000	410.52
005-450-050-000	410.52
005-450-051-000	410.52
005-460-001-000	410.52
005-460-002-000	410.52
005-460-003-000	410.52
005-460-005-000	410.52
005-460-006-000	410.52
005-460-007-000	410.52
005-460-008-000	410.52
005-460-009-000	410.52
005-460-010-000	410.52

Exhibit A

Community Facilities District No. 2009-3 of the City of Ione
(Castle Oaks Phase II)

Assessor's Parcel Number	*FY 2023-2024 Special Tax*
005-460-011-000	410.52
005-460-012-000	410.52
005-460-014-000	410.52
005-460-015-000	410.52
005-460-016-000	410.52
005-460-021-000	410.52
005-460-022-000	410.52
005-460-023-000	410.52
005-460-024-000	410.52
005-460-025-000	410.52
005-460-026-000	410.52
005-460-027-000	410.52
005-460-028-000	410.52
005-460-029-000	410.52
005-460-030-000	410.52
005-460-031-000	410.52
005-460-032-000	410.52
005-460-033-000	410.52
005-460-034-000	410.52
005-460-035-000	410.52
005-460-036-000	410.52
005-471-002-000	410.52
005-471-003-000	410.52
005-471-007-000	410.52
005-471-008-000	410.52
005-471-009-000	410.52
005-471-010-000	410.52
005-471-011-000	410.52
005-471-012-000	410.52
005-471-013-000	410.52
005-471-014-000	410.52
005-471-015-000	410.52
005-471-016-000	410.52
005-471-017-000	410.52
005-471-018-000	410.52
005-471-019-000	410.52
005-471-020-000	410.52
005-471-021-000	410.52
005-471-022-000	410.52
005-471-023-000	410.52
005-472-001-000	410.52
005-472-002-000	410.52
005-472-004-000	410.52
005-472-005-000	410.52

Exhibit A

Community Facilities District No. 2009-3 of the City of Ione
(Castle Oaks Phase II)

Assessor's Parcel Number	*FY 2023-2024 Special Tax*
005-472-006-000	410.52
005-472-007-000	410.52
005-472-008-000	410.52
005-472-009-000	410.52
005-472-010-000	410.52
005-472-011-000	410.52
005-472-012-000	410.52
005-472-016-000	410.52
005-472-017-000	410.52
005-473-001-000	410.52
005-473-002-000	410.52
005-473-003-000	410.52
005-473-004-000	410.52
005-473-005-000	410.52
005-473-006-000	410.52
005-473-007-000	410.52
005-473-008-000	410.52
005-473-009-000	410.52
005-473-010-000	410.52
005-473-011-000	410.52
005-473-012-000	410.52
005-473-013-000	410.52
005-473-014-000	410.52
005-473-015-000	410.52
005-473-016-000	410.52
005-473-017-000	410.52
005-473-018-000	410.52
005-473-020-000	410.52
005-473-021-000	410.52
005-474-001-000	410.52
005-474-002-000	410.52
005-474-003-000	410.52
005-474-004-000	410.52
005-474-005-000	410.52
005-474-006-000	410.52
005-474-007-000	410.52
005-474-008-000	410.52
005-474-009-000	410.52
005-474-010-000	410.52
005-474-011-000	410.52
005-474-012-000	410.52
005-474-013-000	410.52
005-474-014-000	410.52
005-474-015-000	410.52

Exhibit A

Community Facilities District No. 2009-3 of the City of Ione
(Castle Oaks Phase II)

Assessor's Parcel Number	*FY 2023-2024 Special Tax*
005-474-016-000	410.52
005-474-017-000	410.52
005-474-018-000	410.52
005-474-019-000	410.52
005-474-020-000	410.52
005-474-021-000	410.52
005-474-022-000	410.52
005-474-023-000	410.52
005-474-024-000	410.52
005-474-025-000	410.52
005-474-026-000	410.52
Total FY 2023-2024 Special Tax Levy	$58,704.36
Total Number of Parcels	143

CITY OF IONE
IONE, CA 95640

Agenda Item #H7

DATE: **AUGUST 1, 2023**

TO: **THE HONORABLE MAYOR AND MEMBERS OF THE CITY COUNCIL**

FROM: **JODI STENECK, FINANCE MANAGER**

SUBJECT: **ADOPT RESOLUTION 2023-XX AUTHORIZING THE ANNUAL LEVY AND COLLECTION OF DIRECT ASSESSMENT FOR CASTLE OAKS SUBDIVISION LANDSCAPING AND LIGHTING DISTRICT NO. 1 ON THE AMADOR COUNTY TAX ROLL FOR FISCAL YEAR 2023-24**

RECOMMENDED ACTION:
Adopt Resolution 2023 – XX, Authorizing the Annual Levy and Collection of Direct Assessments for Castle Oaks Subdivision Landscaping and Lighting District No. 1 on the Amador County Tax Roll for Fiscal Year 2023-2024.

FISCAL IMPACT:
Landscaping and lighting services provided in the District are funded by the assessments established by the City Council. The proposed assessments for Fiscal Year 2023-2024 will generate revenue of $27,324.20 for Landscaping and Lighting District No. 1, no increase over Fiscal Year 2022-2023. This assessment revenue is recorded and accounted for, along with corresponding expenditures, in Special Revenue Fund 8221. Expenditures are restricted to maintenance and services required within District boundaries.

BACKGROUND:
The City Council adopted Resolution No. 1030 on August 6, 1966 approving the formation of the Landscaping and Lighting District which provided for the levy and collection of assessments for the City of Ione's Landscaping and Lighting District No. 1. Formation of the Landscaping and Lighting District for the Castle Oaks Project is pursuant to the *California Streets and Highways Code, Division 15. Tree Planting, Landscaping, and Lighting Act of 1972*.

There are currently 215 single parcels and 4 lots within Landscaping and Lighting District No. 1, each single parcel will be assessed $52.30 and the total assessment for the 4 large lots will be $16,079.70.

ATTACHMENTS:
Resolution No. 2023 – XX Authorizing the Levy of Assessments for Landscape and Lighting

RESOLUTION NO. 2023-XX

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF IONE AUTHORIZING THE LEVY AND COLLECTION OF DIRECT ASSESSMENTS FOR CASTLE OAKS SUBDIVISION LANDSCAPING AND LIGHTING DISTRICT NO. 1 ON THE AMADOR COUNTY TAX ROLL FOR FISCAL YEAR 2023-2024

WHEREAS, the City Council adopted Resolution No. 1030 on August 6, 1996 ordering the formation of the Landscaping and Lighting District No. 1, Castle Oaks Subdivision; and

WHEREAS, Resolution No. 1030 also confirmed the diagram and assessment, and provided for levy and collection of assessments for the Castle Oaks Subdivision Landscaping and Lighting District No. 1; and

WHEREAS, in accordance with *California Streets and Highways Code, Division 15. Tree Planting, Landscaping, and Lighting, Part 2. Landscaping and Lighting Act of 1972, Chapter 3. Levy of Annual Assessments After Formation of an Assessment District,* the City Council intends to levy and collect assessments within Landscaping and Lighting District No. 1 for Fiscal Year 2023-2024; and

WHEREAS, the City's Engineer will prepare an Engineer's Report; and

WHEREAS, the Fiscal Year 2023-2024 Budget for Castle Oaks Subdivision Landscaping and Lighting District No. 1 is currently $27,324.20 which represents no increase over the prior fiscal year.

NOW, THEREFORE, BE IT RESOLVED, that the City Council of the City of Ione hereby authorizes and directs staff to place a levy for collection of direct assessments for the Landscaping and Lighting District No. 1 on the Amador County Property Tax Roll for the Fiscal Year 2023-2024.

PASSED, APPROVED AND ADOPTED at a regular meeting of the City Council on this 1st day of August, 2023 by the following vote:

AYES:
NOES:
ABSTAIN:
ABSENT:
APPROVED: ATTESTED:

_____ _____

Stacy Rhoades, Mayor Janice Traverso, City Clerk

Castle Oaks Landscaping and Lighting District No. 1

APN	AMOUNT	TAX CODE	AGENCY ID
005-320-031-000	4,393.20	53500	IC01
005-320-033-000	2,306.40	53500	IC01
005-320-034-000	3,954.00	53500	IC01
005-320-035-000	5,426.10	53500	IC01
005-360-001-000	52.30	53500	IC01
005-360-002-000	52.30	53500	IC01
005-360-003-000	52.30	53500	IC01
005-360-004-000	52.30	53500	IC01
005-360-005-000	52.30	53500	IC01
005-360-006-000	52.30	53500	IC01
005-360-007-000	52.30	53500	IC01
005-360-008-000	52.30	53500	IC01
005-360-009-000	52.30	53500	IC01
005-360-010-000	52.30	53500	IC 01
005-360-011-000	52.30	53500	IC01
005-360-012-000	52.30	53500	IC 01
005-360-013-000	52.30	53500	IC01
005-360-014-000	52.30	53500	IC01
005-360-015-000	52.30	53500	IC01
005-360-016-000	52.30	53500	IC01
005-360-017-000	52.30	53500	IC01
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005-372-003-000	52.30	53500	IC01
005-372-004-000	52.30	53500	IC01
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005-372-006-000	52.30	53500 IC01
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005-372-009-000	52.30	53500 IC01
005-372-010-000	52.30	53500 IC01
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005-423-009-000	52.30	53500 IC01
005-423-010-000	52.30	53500 IC01

$27,324.20

CITY OF IONE
IONE, CA 95640

Agenda Item #J2

DATE: **AUGUST 1, 2023**

TO: **THE HONORABLE MAYOR AND MEMBERS OF THE CITY COUNCIL**

FROM: **JONATHAN MITCHELL, CITY ENGINEER &**
AMY GEDNEY, INTERIM CITY MANAGER

SUBJECT: **WILDFLOWER UPDATE**

RECOMMENDED ACTION:
For information and staff direction.

BACKGROUND:
In 2020, the City approved the Final Map for Wildflower Subdivision, Unit 3 by Axios Homes and authorized the City Manager to execute a Subdivision Improvement Agreement for Wildflower Subdivision, Unit 3.

In September 2020, the City issued a letter to Axios Homes identifying numerous deficiencies related to water line work within the Wildflower Subdivision, Unit 3. The deficiencies have been addressed. However, during the time that the deficiencies occurred, water leaks have caused damages to the roadways throughout the subdivision. The remedies to these damages include but are not limited to repaving the roadways from lip of gutter to lip of gutter and associate curb, gutter, and sidewalk repairs. To date, these repairs have not been completed by Axios Homes.

In 2021, the City approved the Final Map for Wildflower Subdivision, Unit 2 by Axios Homes and authorized the City Manager to execute a Subdivision Improvement Agreement for Wildflower Subdivision, Unit 2.

In March 2022, staff observed proof-rolling of the subgrade in Unit 2 and provided Axios Homes with the areas that required repair. To date, the required repairs have not been completed by Axios Homes.

DISCUSSION:

The City and Axios Homes entered into a Subdivision Improvement Agreement for the improvements associated with the Wildflower Subdivision Unit 3, which was recorded on July 27, 2020. This agreement required that the improvements be completed within 24 months of the date of the agreement. As of July 27, 2022, the improvements have not been completed nor accepted by the City. The agreement also included bonding requirements for these improvements and had the City added as an additional obligee. The City has the ability to contact the surety company, notifying them that the bonds will be used to complete the required improvements that are not being completed by Axios Homes.

The Wildflower Subdivision Unit 2 Subdivision Improvement Agreement was recorded on December 10, 2021, and the 24 month window for completing the improvements expires on December 10, 2023. There is still time for Axios Homes to complete the Wildflower Subdivision Unit 2 improvements without being in default on the Subdivision Improvement Agreements.

The City has contacted Axios Homes requesting that they complete the required improvements for Wildflower Estates, including deficiencies in the roadway, curb, gutter, and sidewalk. To date, Axios has not completed the required improvements, and is in violation of the Subdivision Improvement Agreement. The City has the ability to pursue the completion of these improvements by notifying the surety company that Axios Homes is in default of the Subdivision Improvement Agreement and use the bonds to pay for the required improvements.

A letter has been sent to Axios Homes requesting that they remedy the situation by providing a schedule for completion of the outstanding items. See Attachment A. Staff will update the City Council if a response is received prior to the Council Meeting.

ATTACHMENTS:

A. July 22, 2023 Deficient Work Notice in the Wildflower Subdivision

Attachment A

CITY OF IONE
1 E. MAIN STREET
P.O. BOX 398
IONE, CA 95640
(209) 274-2412



July 22, 2023

Axion Homes
Attn: Thomas Borge
975 Fee Drive
Sacramento, CA 95815
tborge@axioshomes.com

Subject: Deficient Work in the Wildflower Subdivision

Dear Mr. Borge:

I hope this letter finds you well. I am writing to bring to your attention some concerns regarding the work performed by your company in the Wildflower Subdivision Units 2 and 3 (hereinafter referred to as "Wildflower Subdivision"), as outlined in the Subdivision Improvement Agreement Wildflower Subdivision Unit 3, a recorded document, Book 2020, Page 0006082, Recorded July 27, 2020 (enclosed) and the Subdivision Improvement Agreement Wildflower Unit 2, a recorded document, Book 2021, Page 013677, Recorded December 10, 2021 (enclosed). It has come to the City's attention that certain aspects of the improvements and infrastructure within the subdivision have not met the standards agreed-upon in the SIA.

The City of Ione has conducted a thorough evaluation of the work completed by Axios Homes, and we have identified several areas that require immediate attention. The deficiencies include, but are not limited to:

1. Infrastructure not completed in a good workmanlike manner.
2. Street Settlement in various locations throughout the Wildflower Subdivision.
3. Concrete settlement (curb, gutter, and sidewalk) in areas throughout the Wildflower Subdivision.

These deficiencies are significant and require immediate attention and rectification. As per the terms of the SIA, Axios Homes is responsible for ensuring that all improvements meet the established standards and specifications until such improvements are dedicated and accepted by the City. It is essential that you take prompt action to rectify these issues to safeguard the interests of the residents and maintain the integrity of the subdivision.

Considering the deficiencies outlined above, we hereby demand that Axios Homes provide a detailed plan of action outlining how you intend to address and remedy the deficiencies. This plan should include a timeline for completion, and it must be submitted to the City of Ione within 30 days of receiving this letter.

Should Axios Homes fail to submit a satisfactory plan of action or fail to complete the necessary repairs within the specified timeframe, the City of Ione will have no choice but to make a call on the bonds required by the SIA. This would allow the City to take appropriate action to rectify the deficiencies at the expense of Axios Homes.

We strongly encourage Axios Homes to prioritize the repairs in order to maintain a positive relationship with the City of Ione and the residents of the Wildflower Subdivision. Failure to comply with these requirements may result in further legal action or penalties as outlined in the SIA and applicable laws.

If you have any questions or require further clarification regarding this matter, please do not hesitate to contact Jonathan Mitchell at 916-662-0634. We look forward to your prompt response and cooperation in resolving these issues.

Thank you for your attention to this matter.

Sincerely,



Jonathan R. Mitchell, P.E.
City Engineer

Cc: Amy Gedney, Acting City Manager, agedney@ione-ca.com
Andy Pinasco, City Attorney, apinasco@neumiller.com
Brandt Cook, Amador Water Agency, bcook@amadorwater.org

Enclosures:
Subdivision Improvement Agreement Wildflower Subdivision Unit 3;
Subdivision Improvement Agreement Wildflower Unit 2

myFirstAm®

Recorded Document

The Recorded Document images are displayed in the subsequent pages for the following request:

State:	CA
County:	Amador
Document Type:	Document - Year.DocID
Year:	2020
DocID:	006082

Limitation of Liability for Informational Report

IMPORTANT – READ CAREFULLY: THIS REPORT IS NOT AN INSURED PRODUCT OR SERVICE OR A REPRESENTATION OF THE CONDITION OF TITLE TO REAL PROPERTY. IT IS NOT AN ABSTRACT, LEGAL OPINION, OPINION OF TITLE, TITLE INSURANCE COMMITMENT OR PRELIMINARY REPORT, OR ANY FORM OF TITLE INSURANCE OR GUARANTY. THIS REPORT IS ISSUED EXCLUSIVELY FOR THE BENEFIT OF THE APPLICANT THEREFOR, AND MAY NOT BE USED OR RELIED UPON BY ANY OTHER PERSON. THIS REPORT MAY NOT BE REPRODUCED IN ANY MANNER WITHOUT FIRST AMERICAN'S PRIOR WRITTEN CONSENT. FIRST AMERICAN DOES NOT REPRESENT OR WARRANT THAT THE INFORMATION HEREIN IS COMPLETE OR FREE FROM ERROR, AND THE INFORMATION HEREIN IS PROVIDED WITHOUT ANY WARRANTIES OF ANY KIND, AS-IS, AND WITH ALL FAULTS. AS A MATERIAL PART OF THE CONSIDERATION GIVEN IN EXCHANGE FOR THE ISSUANCE OF THIS REPORT, RECIPIENT AGREES THAT FIRST AMERICAN'S SOLE LIABILITY FOR ANY LOSS OR DAMAGE CAUSED BY AN ERROR OR OMISSION DUE TO INACCURATE INFORMATION OR NEGLIGENCE IN PREPARING THIS REPORT SHALL BE LIMITED TO THE FEE CHARGED FOR THE REPORT. RECIPIENT ACCEPTS THIS REPORT WITH THIS LIMITATION AND AGREES THAT FIRST AMERICAN WOULD NOT HAVE ISSUED THIS REPORT BUT FOR THE LIMITATION OF LIABILITY DESCRIBED ABOVE. FIRST AMERICAN MAKES NO REPRESENTATION OR WARRANTY AS TO THE LEGALITY OR PROPRIETY OF RECIPIENT'S USE OF THE INFORMATION HEREIN.

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Recording Requested By:

City of Ione

Return to:

City of Ione
P.O. Box 398
Ione, CA 95640

Amador County Recorder
Kimberly L. Grady
DOC- 2020-0006082-00

Check Number 002188
REQD BY CITY OF IONE
Monday, JUL 27, 2020 15:20
Ttl Pd $57.00 Nbr-0000339265
CT1/R1/1-16

Document Title(s)

SUBDIVISION IMPROVEMENT AGREEMENT
WILDFLOWER UNIT #3

SUBDIVISION IMPROVEMENT AGREEMENT
WILDFLOWER SUBDIVISION UNIT 3

THIS SUBDIVISION IMPROVEMENT AGREEMENT ("Agreement"), made and executed this 7th day of April 2020 by and between Wildflower 276 LLC, hereinafter referred to as "SUBDIVIDER" and The City of Ione, a municipal corporation, acting by and through its City Council, hereinafter referred to as "CITY."

W I T N E S S E T H

A. SUBDIVIDER is the owner of that certain tract of land situated in the City of Ione, County of Amador, State of California, generally known as Wildflower Subdivision Unit 3; and

B. SUBDIVIDER proposes to do and perform certain works of improvement thereon and adjacent thereto as hereinafter set forth; and

C. CITY requires said proposed improvements be done in a good and workmanlike manner and in accordance with the laws now in force and effect in the CITY; and

D. WHEREAS, a final map of said Wildflower Subdivision Unit 3 has been prepared in accordance with the provisions of City Code has been filed by SUBDIVIDER with CITY:

E. NOW, THEREFORE, in consideration of the approval and acceptance by the City Council of the CITY of said final map and the covenants therein contained, the parties hereto mutually agree as follows:

1. GENERAL REQUIREMENTS

SUBDIVIDER shall, at his own expense, complete all improvements as set forth below to the satisfaction of the CITY within twenty-four (24) months of the date of this agreement at an estimated cost of $1,899,887 as set forth on Exhibit A attached hereto and made a part hereof. Improvements as proposed herein consist of streets, storm drains, water, sewer and utility improvements as set forth on the approved Improvement Plans for Wildflower Subdivision Unit 3 dated December 2019 sheets 1 through 23 (the "Improvement Plans"), joint trench utility work Composite Utility Plans for Wildflower Subdivision Unit 3 dated January 16, 2020 sheets 1 through 2 (the "Joint Trench Plans"), the portion of Foothill Blvd from the northerly terminus of Foothill Boulevard in Unit 3 to its intersection of SR104 as shown on the plans for lone Wildflower Major Roads approved January 27, 2006 sheets 1 through 21 necessary to construction an emergency access road, as may be amended by mutual agreement of the parties.

All improvements shall be completed in accordance with the following:

A. Planning Commission Conditions of Approval as set forth in the Subdivision Map Approval

B. Chapter 16 of the City Code and City Improvement Standards

C. Improvement Plans and Joint Trench Plans.

D. Agreements between developer and PG&E, AT&T, Cable TV, Amador Water Agency and any other utility company to be entered into by SUBDIVIDER at a date following execution of this Agreement

2. DEFINITION AND OWNERSHIP OF IMPROVEMENTS

SUBDIVIDER will pay for all plan checking and inspection costs. It is further understood that the sewer, storm drain and designated road improvements will be dedicated to the CITY and designated improvements will be maintained by the CITY once the CITY accepts the improvements. Said sewer, storm drain and designated road improvements will become the sole and exclusive property of the CITY upon acceptance of said improvements by the CITY.

3. TIME OF COMPLETION

a. All of said improvements shall be completed within twenty-four (24) months from the date of this agreement. In the event SUBDIVIDER fails to complete the improvements within said twenty-four (24) months, the CITY may require the SUBDIVIDER or his Surety to pay for the completion of said improvements.

b. If the construction of the onsite and offsite public improvements required of SUBDIVIDER by this Agreement is delayed (such as acts of God, or acts of the public enemy, fire, floods, epidemics, quarantine restrictions, strikes or labor disputes, shortage of materials, sabotage, freight embargoes, inclement weather [defined herein only as weather conditions sufficient to prevent construction activities], permit or connection moratoriums instituted by public agencies or utility companies, subsurface or latent physical condition, discovery of historical or archaeological items not previously known, acts of other utility companies related to the removal, relocation or installation of utilities), upon written request to the City Manager, the time for the completion thereof may be extended by the City for such period as caused by the delay, which extension may not be unreasonably withheld or delayed. The securities required of Subdivider by this Agreement shall be required by SUBDIVIDER to remain in effect throughout any extension.

4. SECURITY

SUBDIVIDER shall file with CITY, improvement security in accordance with Section 16.44.160 Improvement Security, of the City Code and City Improvement

Standards in the form of a Performance Bond and Labor and Material Bond, each for an amount not less than 100% of the total improvement cost as set forth in Exhibit "A". Upon completion of improvements as set forth herein, SUBDIVIDER shall provide a Warranty Security (Maintenance) bond in the amount of 10% of the improvements to be maintained by the City. Additionally, in accordance with Section 66496 of the Government Code of the State of California, since the survey monuments associated with the development will be set at a later date, security guaranteeing the payment of the cost of setting the monuments must be posted (Monument Bond.)

5. [Intentionally left blank.]

6. RELEASE OF SECURITY

When substantial portions of improvements have been completed or other security provided therefore, the City Manager may authorize release of security commensurate therewith. All requests for security release shall be by SUBDIVIDER in writing.

7. INSPECTION COSTS

SUBDIVIDER agrees to pay to CITY, prior to recording subdivision map, all inspection costs in accordance with the City Code, City Improvement Standards and any updates thereto as may be approved by the City Council.

8. EFFECTIVE DATE OF CONTRACT

It is understood that the final map will be approved by the City Council and will be recorded by the County Recorder of the County of Amador. The date of recording will be the effective date of this agreement.

9. LIABILITY FOR NON-PERFORMANCE AND PERSONAL INJURIES

Neither the CITY nor any of its officers shall be liable to the SUBDIVIDER or its contractors for any error or omission arising out of or in connection with any work performed under this agreement. The CITY shall not be liable to the SUBDIVIDER or any other person whatsoever for any injury or damage that may result to any person or property in the performance of this agreement.

10. RELEASE AND INDEMNIFICATION

The SUBDIVIDER hereby releases and agrees to indemnify and hold the CITY and any of its representatives harmless from and against any injuries, deaths, damage, and liability whatsoever resulting from the performance or non-performance of any work to be done in and upon the street right-of-ways in said Subdivision and upon the premises adjacent thereto pursuant to this agreement, and also from any injuries and deaths of persons and injuries to property or other interests and all claims howsoever same may be caused and whensoever the same may appear, either directly or indirectly, made or suffered by SUBDIVIDER or his agents while engaged in the performance of said work. SUBDIVIDER'S contractors shall furnish to CITY evidence of insurance policies which meet with the approval of the CITY.

The minimum scope and limits of such policies shall be as follows:

Minimum Scope of Insurance

Coverage shall be at least as broad as:

1. Insurance Services Office Commercial General Liability coverage (occurrence form CG 0001).
2. Insurance Services Office form number CA 0001 (Ed. 1/87) covering Automobile Liability, code 1 (any auto).
3. Workers' Compensation insurance as required by the State of California and Employer's Liability Insurance.

Minimum Limits of Insurance

Contractor shall maintain limits no less than:

1. Commercial General Liability (CGL): Insurance Services Office (ISO) Form CG 00 01 12 07 covering CGL on an "occurrence" basis, including products-completed operations, personal and advertising injury, with limits no less than $2,000,000 per occurrence. If a general aggregate limit applies, either the general aggregate limit shall apply separately to this project/location or the general aggregate limit shall be twice the required occurrence limit.
2. Automobile Liability: ISO Form Number CA 00 01 covering any auto (Code 1), or if Contractor has no owned autos, hired, (Code 8) and non-owned autos (Code 9), with limit no less than $2,000,000 per accident for bodily injury and property damage.
3. Workers' Compensation: as required by the State of California, with Statutory Limits, and Employer's Liability Insurance with limit of no less than $1,000,000 per accident for bodily injury or disease.

Said policies shall be in favor of SUBDIVIDER or its contractors and of CITY. Said policies shall state by their terms and by an endorsement that said policies shall not be cancelled until CITY shall have a least thirty (30) days notice in writing of such cancellation.

11. LIABILITY OF SUBDIVIDER

SUBDIVIDER agrees that the use for any purpose and by any person of any and all improvements hereinbefore specified shall be at the sole risk of the SUBDIVIDER until improvements are dedicated and accepted by City, or Amador Water Agency, as may be appropriate, or the filing of Notice of Completion in accordance with Section 22 of this Agreement.

12. SUBDIVIDER'S EXPENSES

Installation and connection of private utilities by SUBDIVIDER or builders shall be done at SUBDIVIDER'S expense in accordance with City Code.

13. CHARGES AND FEES

All parcels served by these improvements, upon application for sewer service or building permit, shall be subject to all CITY charges and fees in effect at the time application for service or permit is made.

14. CONSTRUCTION

SUBDIVIDER shall cause the improvements to be constructed by a properly licensed contractor or licensed contractors, without expense to CITY, and CITY shall not be responsible for any of the cost of said sewer, storm drain, road improvements, joint utility improvements or for the performance or nonperformance of the work of construction of said improvements, and the SUBDIVIDER shall hold CITY free and harmless from any claim or liability resulting from or arising out of the construction work. The SUBDIVIDER is not acting as a contractor, agent, official or representative of CITY in constructing or providing such improvements or associated facilities or in causing such improvements and facilities to be installed. This Agreement simply provides for the transfer and assumption of responsibility for such improvements and facilities upon performance of all terms of this Agreement. The approval of the plans and specifications as presented by SUBDIVIDER shall not be deemed as a warranty or guarantee by CITY of proper design or proper specifications of materials or construction. CITY specifically relies upon the design and specifications, as prepared, as being in accordance with the conditions of the geography and as having specific materials and equipment of the highest practicable quality and character.

15. NOTIFICATION OF DEVIATIONS OR FAILURES

a. CITY agrees to notify SUBDIVIDER in writing as to any deviations or failure in construction of the improvements pursuant to said plans and specifications and requirements of said CITY as soon as any deviation is brought to CITY's attention, and SUBDIVIDER shall immediately cause such deviation or failure to be corrected at the sole cost of SUBDIVIDER for a period of twelve (12) months following acceptance by City or filing of Notice of Completion, as appropriate.

b. CITY is not, by inspection of the construction or installation of the subject facilities, representing SUBDIVIDER or providing a substitute for inspection and control of the work by SUBDIVIDER. Any inspections and observations of the work by CITY are for the sole purposes of providing notice of the stage and character of the work. The failure of the CITY to note variances from the plans and specifications for the project does not excuse or exempt SUBDIVIDER from complying with all terms of the approved plans and specifications.

16. CONVEYANCE

Upon completion of the improvements in a manner meeting CITY's approval, SUBDIVIDER shall immediately convey said improvements and title thereto, free and clear of any liens, encumbrances, and expense to CITY by such conveyances and documents approved by CITY together with:

A. As-built plans as set forth in Paragraph 25 of this agreement.

B. All easements and right-of-ways reasonably required by CITY.

17. APPLICATION FOR SEWER OR WATER SERVICE

No water shall be delivered to or conveyed by or through any water system improvements and no sewerage will be discharged into sewerage improvements, other than for testing purposes, until said sewer and water system improvements are conveyed to Amador Water Agency and CITY, formally accepted by CITY, and proper applications for sewer or water service are made and accepted. Sewer connection fees shall be for the amount in effect when building permits are issued.

18. OBLIGATIONS FOR PIPELINE AND FACILITIES

Subject to the provisions of the Resolution and Ordinance described in subparagraphs 1A. through 1B., CITY shall be under no obligation to provide additional

pipelines and facilities in order to serve SUBDIVIDER's project. Upon acceptance of the improvements by CITY, they shall become the sole property of CITY and shall be used and operated at CITY's sole discretion. The existing sewer facilities that cross property may be operational during the course of contractor's work and shall be protected from damage. No connections will be made to existing improvements until approved by City and a City representative is present to inspect the work. No water, debris, construction materials, or discharges of any type will be allowed to enter the existing sewer pipe without prior written approval of City, which approval shall not be unreasonably withheld or delayed.

19. RULES AND REGULATIONS

Subject to the provisions of the Resolution and Ordinance described in subparagraphs 1A. and 1B., upon improvements being accepted by CITY, SUBDIVIDER together with his heirs, successors, and assigns, shall be subject to and shall comply with all rules and regulations of CITY and shall pay the fees, rates, tolls, and charges established by the City Council from time to time. Attention is directed to paragraphs 13 and 17.

20. APPROVAL BY CITY ENGINEER

It is mutually agreed by the parties hereto that the City Engineer shall have the right to reject any or all of the work performed under this contract when such work does not conform with the approved plans and specifications and amendments thereto, as set forth herein in Section 1. However, City Engineer must inform SUBDIVIDER in writing of the specific work that did not conform with the approved plans and specifications prior to rejection.

21. OBLIGATIONS OF SUBDIVIDER

It is the obligation of the SUBDIVIDER to perform work strictly in accordance with the approved plans and specifications. SUBDIVIDER warrants that the plans and specifications are as set forth herein in Section 1, and that they are adequate to

accomplish the work, and SUBDIVIDER also warrants it will complete all improvements in a good and workmanlike manner in accordance with standard construction practices.

22. NOTICE OF COMPLETION

For improvements to be dedicated to the City, SUBDIVIDER shall, upon completion and acceptance of improvements by CITY, or Amador Water Agency, as may be appropriate, file a Notice of Completion of the improvements. The Notice of Completion on all other improvements may be filed by SUBDIVIDER as appropriate.

23. CERTIFICATIONS OF SATISFACTORY COMPLETION

Upon receipt of notice of satisfactory completion from the City Engineer, the City Council shall approve said improvements as being completed.

24. ASSIGNMENT

This contract shall not be assignable by SUBDIVIDER without the written consent of the CITY, which consent shall not be unreasonably withheld or delayed.

25. FILING OF "AS-BUILT" PLANS

Upon completion of the improvements and prior to acceptance of the storm drain, sewer, and road improvements by CITY, SUBDIVIDER shall supply CITY with one (1) mylar set of "as-built" drawings. Said drawings shall be certified by the SUBDIVIDER's engineer as being "as-built" and shall reflect the job as actually constructed, with all changes incorporated therein.

26. BUILDING PERMITS AND CERTIFICATES OF OCCUPANCY

a. Building permits will be issued for any lot within this subdivision and combustible materials be stored on site when access and water supply to the lot(s)

being built on is approved by the Ione Fire Chief. Building permits issued within Unit 3 will be limited to a total of 125 building permits within the entire Wildflower development. No more than 106 total certificates of occupancy will be issued within the overall Wildflower development (comprised of 6 model homes and 100 occupied homes), until such time as the full improvements associated with Foothill Boulevard and intersection improvements at State Route 104 are constructed and fully operational.

b. No Certificate of Occupancy will be issued for any improvement on any lot within this subdivision until all improvements required under this Agreement have been completed and accepted by CITY.

c. CITY reserves the right to suspend work on any building permit when CITY determines such work conflicts with the obligations set forth herein including but not limited to conflicts between building contractors and subdivision improvement contractor.

27. HEIRS, SUCCESSORS, OR ASSIGNEES

This contract shall be binding on the heirs, successors, or assignees of each party.

EXECUTED this 17th day of March 2020 in the City of Ione, County of Amador, State of California.

CITY:

Diane Wratten, Mayor
City of Ione

SUBDIVIDER:

By _____

Thomas Borges, Managing Member
Wildflower 276 LLC

ATTEST:

City Clerk

APPROVED:

David Prentice, City Attorney
As to Form

John Wanger, City Engineer
As to Improvement Cost Estimate

ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California
County of Amador)

On July 6, 2020 before me, Kristi Roots, Notary Public
(insert name and title of the officer)

personally appeared Diane Wratten,
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

KRISTI ROOTS
Comm. #2184241
Notary Public - California
Amador County
Comm. Expires Mar 23, 2021

Signature _____ (Seal)

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA

COUNTY OF SACRAMENTO

On JULY 6, 2020

before me, PATRICIA ANNE MUMM

a Notary Public, personally appeared

THOMAS BERGE

who proved to me on the basis of satisfactory evidence to be the person~~(s)~~ whose name~~(s)~~ is/~~are~~ subscribed to the within instrument and acknowledged to me that he/~~she~~/~~they~~ executed the same in his/~~her~~/~~their~~ authorized capacity~~(ies)~~, and that by his/~~her~~/~~their~~ signature~~(s)~~ on the instrument the person~~(s)~~, or the entity upon behalf of which the person~~(s)~~ acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Patricia Anne Mumm

PATRICIA ANNE MUMM
Notary Public - California
Sacramento County
Commission # 2199643
My Comm. Expires Jun 27, 2021

(This area for official notarial seal)

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA

COUNTY OF _____

On _____

before me, _____

a Notary Public, personally appeared

_____

_____

_____

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature _____

(This area for official notarial seal)

EXHIBIT A

WILDFLOWER UNIT 3

IMPROVEMENT COST ESTIMATE

Item #	Item Description	Estimated Cost
1	Mobilization	$ 18,000.00
2	Site Grading	$ 90,500.00
3	Unit 3 Sewer Improvements	$ 342,125.00
4	Unit 3 Storm drain Improvements	$ 184,445.00
5	Unit 3 Grading, Curb, Gutter, Sidewalk and Pavement improvements	$ 519,725.00
6	Foothill Blvd Improvements Unit 3	$ 219,085.00
7	Joint Utility Trench Improvements	$ 120,750.00
8	Foothill Blvd Offsite Improvements	$ 232,540.00
	Subtotal	$ 1,727,170.00
	Contingency (10%)	$ 172,717.00
	Total Estimated Construction Cost	$ 1,899,887.00
	Monumentation	$ 25,250.00

myFirstAm® Recorded Document

The Recorded Document images are displayed in the subsequent pages for the following request:

State:	CA
County:	Amador
Document Type:	Document - Year.DocID
Year:	2021
DocID:	013677

Limitation of Liability for Informational Report

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Recording Requested By:

and

Return to:

City of Ione
P.O. Box 398
Ione, CA 95640

* $ R 0 0 0 0 0 1 2 9 0 6 $ *

Amador County Recorder
Kimberly L. Grady
DOC - 2021-0013677
Account: Placer Title Co
Friday, December 10, 2021 12:48
Total Paid: $54.00

counter1/1 - 15

Document Title(s)

Subdivision Improvement Agreement - Wildflower, Unit #2

SUBDIVISION IMPROVEMENT AGREEMENT

Wildflower Unit 2

THIS SUBDIVISION IMPROVEMENT AGREEMENT ("Agreement"), made and executed this 19th day of October 2021, by and between Axios Homes, hereinafter referred to as "Subdivider" and The City of Ione, a municipal corporation, acting by and through its City Council, hereinafter referred to as "CITY."

W I T N E S S E T H

A. SUBDIVIDER is the owner of that certain tract of land situated in the City of Ione, County of Amador, State of California, generally known as Wildflower Unit 2; and

B. SUBDIVIDER proposes to do and perform certain work of improvement thereon and adjacent thereto as hereinafter set forth; and

C. CITY requires said proposed improvements be done in a good and workmanlike manner and in accordance with the laws now in force and effect in the CITY; and

D. WHEREAS, a final map of said Wildflower Unit 2 has been prepared in accordance with the provisions of City Code has been filed by SUBDIVIDER with CITY:

E. NOW, THEREFORE, in consideration of the approval and acceptance by the City Council of the CITY of said final map and the covenants therein contained, the parties hereto mutually agree as follows:

1. GENERAL REQUIREMENTS

SUBDIVIDER shall, at his own expense, complete all improvements as set forth below to the satisfaction of the CITY within twenty-four (24) months of the date of this agreement at an estimated cost of $1,041,791.00 as set forth on Exhibit A attached hereto and made a part hereof. Improvements as proposed herein consist of streets, storm drains, water and sewer and utility improvements as set forth on the approved Improvement Plans for Wildflower Unit 2 dated September 2021 sheets 1 through 18 (the "Improvement Plans") and joint trench utility work Composite Utility Plans for Wildflower Unite 2 dated September 27, 2021, consisting of 1 sheet (the "Joint Trench Plans"), as may be amended by mutual agreement of the parties.

All improvements shall be completed in accordance with the following:

A. Planning Commission Conditions of Approval as set forth in the Subdivision Map Approval

B. Chapter 16 of the City Code and City Improvement Standards

C. Improvement Plans and Joint Trench Plans.

D. Agreements between developer and PG&E/AT&T to be entered into by SUBDIVIDER at a date following execution of this Agreement

2. DEFINITION AND OWNERSHIP OF IMPROVEMENTS

SUBDIVIDER will pay for all plan checking and inspection costs. It is further understood that the sewer and designated road improvements will be dedicated to the CITY and designated improvements will be maintained by the CITY. Said sewer and designated road improvements will become the sole and exclusive property of the CITY upon acceptance of said improvements by the CITY.

3. TIME OF COMPLETION

a. All of said improvements shall be completed within twenty-four (24) months from the date of this agreement. In the event SUBDIVIDER fails to complete the improvements within said twenty-four (24) months, the CITY may require the SUBDIVIDER or his Surety to pay for the completion of said improvements.

b. If the construction of the onsite and offsite public improvements required of Subdivider by this Agreement is delayed (such as acts of God, or acts of the public enemy, fire, floods, epidemics, quarantine restrictions, strikes or labor disputes, shortage of materials, sabotage, freight embargoes, inclement weather (defined herein only as weather conditions sufficient to prevent construction activities), permit or connection moratoriums instituted by public agencies or utility companies, subsurface or latent physical condition, discovery of historical or archaeological items not previously known, acts of other utility companies related to the removal, relocation or installation of utilities.), upon written request to the City Administrator, the time for the completion thereof may be extended by the City for such period as caused by the delay, which extension may not be unreasonably withheld or delayed. The securities required of Subdivider by this Agreement shall be required by Subdivider to remain in effect throughout any extension.

4. SECURITY

SUBDIVIDER shall file with CITY, improvement security in accordance with Section 16.44, Improvement Security, of the City Code and City Improvement Standards in the form of a Completion Bond and Labor and Material Bond, each for an amount not less than 100% of the total improvement cost as set forth in Exhibit "A". Upon completion of improvements as set forth herein, SUBDIVIDER shall provide a maintenance bond in the amount of 10% of the improvements to be maintained by the City. In addition, surety shall be provided for setting all survey monuments as required on the final map for this subdivision.

5. [Intentionally left blank.]

6. RELEASE OF SECURITY

When substantial portions of improvements have been completed or other security provided therefore, the City Manager may authorize release of security commensurate therewith. All requests for security release shall be by SUBDIVIDER in writing.

7. INSPECTION COSTS

SUBDIVIDER agrees to pay to CITY, prior to recording subdivision map, all inspection costs in accordance with the most recent City Code., City Improvement Standards and City Council Resolutions.

8. EFFECTIVE DATE OF CONTRACT

It is understood that the final map will be approved by the City Council and will be recorded by the County Recorder of the County of Amador. The date of recording will be the effective date of this agreement.

9. LIABILITY FOR NON-PERFORMANCE AND PERSONAL INJURIES

Neither the CITY nor any of its officers shall be liable to the SUBDIVIDER or its contractors for any error or omission arising out of or in connection with any work performed under this agreement. The CITY shall not be liable to the SUBDIVIDER or any other person whatsoever for any injury or damage that may result to any person or property in the performance of this agreement.

10. RELEASE AND INDEMNIFICATION

The SUBDIVIDER hereby releases and agrees to indemnify the CITY and any of its representatives, harmless from and against any injuries, deaths, damage, and liability whatsoever resulting from the performance or non-performance of any work to be done in and upon the street right-of-ways in said Subdivision and upon the premises adjacent thereto pursuant to this agreement, and also from any injuries and deaths of persons and injuries to property or other interests and all claims howsoever same may be caused and whensoever the same may appear, either directly or indirectly, made or suffered by SUBDIVIDER or his agents while engaged in the performance of said work. SUBDIVIDER'S contractors shall furnish to CITY evidence of an insurance policies which meet with the approval of the CITY.

The minimum scope and limits of such policies shall be as follows:

Minimum Scope of Insurance

Coverage shall be at least as broad as:

1. Insurance Services Office Commercial General Liability coverage (occurrence form CG 0001).
2. Insurance Services Office form number CA 0001 (Ed. 1/87) covering Automobile Liability, code 1 (any auto).
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2. Automobile Liability: ISO Form Number CA 00 01 covering any auto (Code 1), or if Contractor has no owned autos, hired, (Code 8) and non-owned autos (Code 9), with limit no less than $2,000,000 per accident for bodily injury and property damage.
3. Workers' Compensation: as required by the State of California, with Statutory Limits, and Employer's Liability Insurance with limit of no less than $1,000,000 per accident for bodily injury or disease.

Said policies shall be in favor of SUBDIVIDER or its contractors and of CITY. Said policies shall state by their terms and by an endorsement that said policies shall not be cancelled until CITY shall have a least thirty (30) days notice in writing of such cancellation.

11. LIABILITY OF SUBDIVIDER

SUBDIVIDER agrees that the use for any purpose and by any person of any and all improvements hereinbefore specified shall be at the sole risk of the SUBDIVIDER until improvements are dedicated and accepted by City, or Amador Water Agency as may be appropriate, or the filing of Notice of Completion in accordance with Section 22 of this Agreement.

12. SUBDIVIDER'S EXPENSES

Installation and connection of private utilities by SUBDIVIDER or builders shall be done at SUBDIVIDER'S expense in accordance with City Code.

13. CHARGES AND FEES

All parcels served by these improvements, upon application for sewer service or building permit, shall be subject to all CITY charges and fees in effect at the time application for service or permit is made.

14. CONSTRUCTION

SUBDIVIDER shall cause the improvements to be constructed by a properly licensed contractor or licensed contractors, without expense to CITY, and CITY shall not be responsible for any of the cost of said sewer, storm drain or road improvements or for the performance or nonperformance of the work of construction of said improvements, and the SUBDIVIDER shall hold CITY free and harmless from any claim or liability resulting from or arising out of the construction work. The SUBDIVIDER is not acting as a contractor, agent, official or representative of CITY in constructing or providing such improvements or associated facilities or in causing such improvements and facilities to be installed. This Agreement simply provides for the transfer and assumption of responsibility for such improvements and facilities upon performance of all terms of this Agreement. The approval of the plans and specifications as presented by SUBDIVIDER shall not be deemed as a warranty or guarantee by CITY of proper design or proper specifications of materials or construction. CITY specifically relies upon the design and specifications, as prepared, as being in accordance with the conditions of the geography and as having specific materials and equipment of the highest practicable quality and character.

15. NOTIFICATION OF DEVIATIONS OR FAILURES

a. CITY agrees to notify SUBDIVIDER in writing as to any deviations or failure in construction of the improvements pursuant to said plans and specifications and requirements of said CITY as soon as any deviation is brought to CITY's attention, and SUBDIVIDER shall immediately cause such deviation or failure to be corrected at the sole cost of SUBDIVIDER for a period of twelve (12) months following acceptance by City or filing of Notice of Completion, as appropriate.

b. CITY is not, by inspection of the construction or installation of the subject facilities, representing SUBDIVIDER or providing a substitute for inspection and control of the work by SUBDIVIDER. Any inspections and observations of the work by CITY are for the sole purposes of providing notice of the stage and character of the work. The failure of the CITY to note variances from the plans and specifications

for the project does not excuse or exempt SUBDIVIDER from complying with all terms of the approved plans and specifications.

16. CONVEYANCE

Upon completion of the improvements in a manner meeting CITY's approval, SUBDIVIDER shall immediately convey said improvements and title thereto, free and clear of any liens, encumbrances, and expense to CITY by such conveyances and documents approved by CITY together with:

A. As-built plans as set forth in Paragraph 25 of this agreement.

B. All easements and rights-of-ways reasonably required by CITY.

17. APPLICATION FOR SEWER OR WATER SERVICE

No water shall be delivered to or conveyed by or through any water system improvements and no sewerage will be discharged into sewerage improvements, other than for testing purposes, until said sewer and water system improvements are conveyed to Amador Water Agency and CITY, formally accepted by CITY, and proper applications for sewer or water service are made and accepted. Sewer connection fees shall be for the amount in effect when building permits are issued.

18. OBLIGATIONS FOR PIPELINE AND FACILITIES

Subject to the provisions of the Resolution and Ordinance described in subparagraphs 1A. through 1B., CITY shall be under no obligation to provide additional pipelines and facilities in order to serve SUBDIVIDER's project. Upon acceptance of the improvements by CITY, they shall become the sole property of CITY and shall be used and operated at CITY's sole discretion. The existing sewer facilities that cross property may be operational during the course of contractor's work and shall be protected from damage. No connections will be made to existing improvements until approved by City and a City representative is present to inspect the work. No water,

debris, construction materials, or discharges of any type will be allowed to enter the existing pipe line without prior written approval of City, which approval shall not be unreasonably withheld or delayed.

19. RULES AND REGULATIONS

Subject to the provisions of the Resolution and Ordinance described in subparagraphs 1A. and 1B., upon improvements being accepted by CITY, SUBDIVIDER together with his heirs, successors, and assigns, shall be subject to and shall comply with all rules and regulations of CITY and shall pay the fees, rates, tolls, and charges established by the City Council from time to time. Attention is directed to paragraphs 13 and 17.

20. APPROVAL BY CITY ENGINEER

It is mutually agreed by the parties hereto that the City Engineer shall have the right to reject any or all of the work performed under this contract when such work does not conform with the approved plans and specifications and amendments thereto, City as set forth herein in Section 1. However, City Engineer must inform SUBDIVIDER in writing of the specific work that did not conform with the approved plans and specifications prior to rejection.

21. OBLIGATIONS OF SUBDIVIDER

It is the obligation of the SUBDIVIDER to perform work strictly in accordance with the approved plans and specifications. SUBDIVIDER warrants that the plans and specifications as set forth herein in Section 1, and that they are adequate to accomplish the work, and SUBDIVIDER also warrants it will complete all improvements in a good and workmanlike manner in accordance with standard construction practices.

22. NOTICE OF COMPLETION

For improvements to be dedicated to the City, SUBDIVIDER shall, upon completion and acceptance of improvements by CITY, or Amador Water Agency, as may be appropriate, file a Notice of Completion of the improvements. The Notice of Completion on all other improvements may be filed by Subdivider as appropriate.

23. CERTIFICATIONS OF SATISFACTORY COMPLETION

Upon receipt of notice of satisfactory completion from the City Engineer, the City Council shall approve said improvements as being completed.

24. ASSIGNMENT

This contract shall not be assignable by SUBDIVIDER without the written consent of the CITY, which consent shall not be unreasonably withheld or delayed.

25. FILING OF "AS-BUILT" PLANS

Upon completion of the improvements and prior to acceptance of the storm drain, sewer, and road improvements by CITY, SUBDIVIDER shall supply CITY with one (1) mylar set of "as-built" drawings. Said drawings shall be certified by the SUBDIVIDER's engineer as being "as-built" and shall reflect the job as actually constructed, with all changes incorporated therein.

26. BUILDING PERMITS AND CERTIFICATES OF OCCUPANCY

a. Building permits will be issued for any lot within this subdivision and combustible materials will be stored on site when the temporary water supply is approved by the Ione Fire Chief.

b. No Certificate of Occupancy will be issued for any improvement on any lot within this subdivision until all improvements required under this Agreement have been completed and accepted by CITY.

c. CITY reserves the right to suspend work on any building permit when CITY determines such work conflicts with the obligations set forth herein including but not limited to conflicts between building contractors and subdivision improvement contractor.

27. HEIRS, SUCCESSORS, OR ASSIGNEES

This contract shall be binding on the heirs, successors, or assignees of each party.

EXECUTED this 19th day of October 2021, in the City of Ione, County of Amador, State of California.

CITY:

Stacy Rhoades, Mayor
City of Ione

SUBDIVIDER:

By _____

Thomas Borges, Axios Homes

ATTEST:

City Clerk

APPROVED:

Sophia R. Meyer, City Attorney
As to Form

City Engineer
As to Improvement Cost Estimate

CALIFORNIA ALL PURPOSE ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California)
)ss.
County of Amador)

On NOVEMBER 30, 2021 before me LORETTA B. WAITE, Notary Public, personally appeared THOMAS BORGES., who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity and that by his signature on the instrument the person or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct. WITNESS my hand and official seal.

Signature _____ (Seal)

LORETTA B. WAITE
Notary Public - California
Amador County
Commission # 2308890
My Comm. Expires Nov 13, 2023

ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California
County of Amador)

On December 8, 2021 before me, Christopher G. Hancock, Notary Public
(insert name and title of the officer)

personally appeared Stacy Rhoades,
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature _____ (Seal)

MGC1 CHRISTOPHER G. HANCOCK COMM.# 2294472 NOTARY PUBLIC - CALIFORNIA SACRAMENTO COUNTY COMM. EXPIRES JUNE 22, 2023 MGC1

MGC1 CHRISTOPHER G. HANCOCK COMM.# 2294472 NOTARY PUBLIC - CALIFORNIA SACRAMENTO COUNTY COMM. EXPIRES JUNE 22, 2023 MGC1

EXHIBIT A

IMPROVEMENT COST ESTIMATE

Item #	Item Description	Estimated Cost
1	Mobilization	$ 10,500
2	Site Grading	$ 270,168
3	Unit 2 Sewer Improvements	$ 161,613
4	Unit 2 Storm drain Improvements	$ 54,111
5	Unit 2 Grading, Curb, Gutter, Sidewalks, Pavement, Signing & Striping	$ 334,441
6	Joint Utility Trench Improvements	$ 116,250
	Subtotal	$ 947,083
	Contingency (10%)	$ 94,708
	Total Estimated Construction Cost	$ 1,041,791
	Monumentation	$ 11,500.00

CITY OF IONE
IONE, CA 95640

Agenda Item #J3

DATE: **AUGUST 1, 2023**

TO: **THE HONORABLE MAYOR AND MEMBERS OF THE CITY COUNCIL**

FROM: **JONATHAN MITCHELL, CITY ENGINEER**
AMY GEDNEY, INTERIM CITY MANAGER

SUBJECT: **CASTLE OAKS LANDSCAPING PLAN**

RECOMMENDED ACTION:
Adopt Resolution 2023-* Selecting an estimate of probable cost option for landscaping and irrigation at castle oaks village 9 right of way areas and directing staff to negotiate the contract with Ecourban to implement the landscape improvements.

FISCAL IMPACT:
The impact will depend on the option selected by City Council. The Option A Estimate of Probable Cost is calculated to be $448,016, the Option B Estimate is calculated to be $326,026; the Option C estimate is calculated to be $268,880. If this project is advertised for bids, the bids will come in at different amounts. City Council will be made aware of the actual bid amounts at the time of award. An alternative that makes repairs through the City's existing landscape maintenance contract shall also be presented with an estimated cost of $191,424.

BACKGROUND:
The Castle Oaks Development has been in existence since the nineties with different Villages being constructed over the decades. Village 8 was completed in 2022; Village 9 was constructed in 2022 and 2023. These two Villages, along with a future development and the golf course, have frontages along Castle Oaks Drive. Castle Oaks Drive medians and right of way and the entrance at Michigan Bar Road include the landscaping and irrigation design which are the topic of this Staff Report and will hereinafter be referred to as the Project Area.

The original landscaping and irrigation for the Project Area was installed around 2007 and maintained for a while by the developer. The order of other entities that maintained it was

Blue Lakes Housing Group, then the golf course crew, then Chad Simmons, then EcoUrban. Chad Simmons was the landscaper starting in October of 2017 to January of 2021. After Mr. Simmons, EcoUrban took over the landscaping to the present day. At the time, the contracts the City had entered into did not include repairs or plant replacement of the existing system. As a result, various elements of the irrigation system have failed, and units of the landscape have died or are not in good health.

To correct this, the City hired Low Water Landscape, Inc., a company in Folsom, California, to redesign the landscape and irrigation in the Project Area. After several iterations, the final version of these documents was released to the City in May of 2023. One of the goals for this was also due to update the irrigation system in consideration of evolving water-conservation standards and increasing costs.

The final estimate arrived at a cost per square foot of roughly $5 with a total construction budget of $448,016. City Staff felt this estimate was outside of what could be afforded and proceeded to develop alternatives to be presented for City Council consideration.

DISCUSSION:

As mentioned in the Background section, the City Engineer was asked to look at the Plans and the Estimate of Probable Cost, prepared by Low Water Landscape, and reduce the scope and cost for Council consideration. Staff developed alternatives which include various changes to the planting plan as well as consideration for improvements through the City's existing maintenance agreement with EcoUrban. Revised planting plans are reflected in cost estimate from $5 per square foot (Option A) to a $4-per-square-foot estimate (Option B) and a $3-per-square-foot estimate (Option C). Options A, B and C are included in this Staff Report as Exhibit B and further details regarding these options are described below.

- Option A includes a planting plan and density proposed in the initial design from Low Water landscape, which results in an approximate cost of $5/SF for planting.
- Option B will modify the planting scope, resulting in a cost of approximately $4/SF, as well as reduce the landscaped area from the original design.
- Option C will modify the planting scope to result in approximately $3/SF. As well as further reduce the landscaped area.
- Option D - make repairs through the City's existing landscape maintenance contract.

Option B modifications include reducing the landscape and irrigation square footage from the Option A estimate of 89,215 square feet to 71,415 square feet. This will result in the following impacts to the landscaping and irrigation design in the following areas:

- The Golf Course Frontage will be installed. This area is approximately 13,850 square feet.
- Landscaping and irrigation in the four medians will be installed.

- The frontages along Michigan Bar Road, to the east and west will not be installed. This area is approximately 6,550 square feet.
- The frontage along the future development, north of Castle Oaks Blvd., near the entrance will not be installed. This area is approximately 6,800 square feet.
- Irrigation laterals, valves and sprinklers have been reduced accordingly.

Option C modifications include reducing the landscape and irrigation square footage from the Option A estimate of 89,215 square feet to 53,543 square feet. This will result in the following impacts to the landscaping and irrigation design in the following areas:

- The Golf Course Frontage will not be installed. This area is approximately 13,850 square feet.
- The frontages along Michigan Bar Road, to the east and west will be installed. This area is approximately 6,550 square feet.
- The frontage along the future development, north of Castle Oaks Blvd., near the entrance will not be installed. This area is approximately 6,800 square feet.
- The medians will not receive new landscaping and irrigation. These areas total to 8,472 square feet.
- Irrigation laterals, valves and sprinklers have been reduced accordingly.

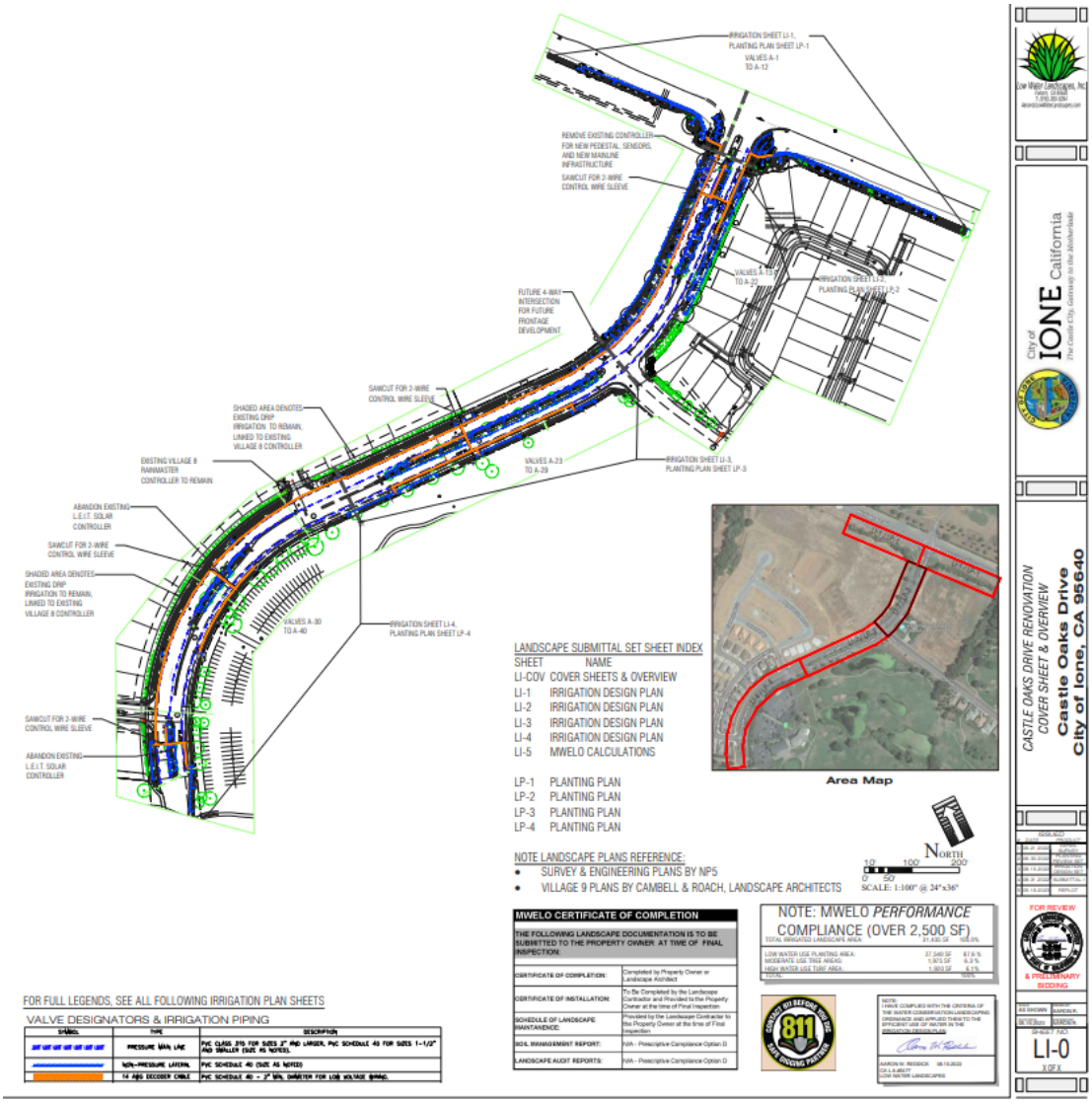
Note that the areas mentioned above can be switched out to other areas based on square footage.

Option D is to work through the City's existing landscape maintenance contract with EcoUrban for repairing the failed landscaping and irrigation. This alternative is based on restoring the existing landscape, redesigning, and replacing irrigation systems and replacing existing planting options with design alternatives that are based on a value point between a good visual landscape that is cost effective for maintenance and irrigation. This alternative is based on plants, cobble, moss rock and mulch, in combination with fescue, bluegrass sod. The work would be completed in phases, progressing through the landscape areas strategically based on providing an enhanced visual for residents and making the most critical irrigation upgrades first. Payment would be based on the phased work plan. The cost estimated to do this work under the current maintenance contract, including 20% contingency, is $191,424, or roughly $2.50 per square foot. Payment would be made in accordance with the seasonally phased construction. This estimate is detailed with the enclosed cost-estimate alternatives.

Attachments:

A. Resolution 2023-*
B. Project Area Map
C. Estimate of Probable Costs for Options A, B and C and the Alternative

ATTACHMENT B: PROJECT AREA MAP



ATTACHMENT C: ESTIMATE OF PROJECT COSTS FOR OPTIONS A, B AND C

OPTION A - $5 PER SQUARE FEET

Castle Oaks Entrance Streetscapes & Medians
ESTIMATE OF PROBABLE CONSTRUCTION COST
LWL#22.05_IoneMedians
Ver.1._05.18.2023

Prepared
Low Water Landscapes, Inc. Folsom, Ca

	ITEM / DIVISION	QTY.	UNIT	COST	TOTAL
	DEMOLITION, TREE CLEARING & GRUBBING OF EXISTING AREAS				
A	TREE REMOVAL, STUMP GRINDING & DISPOSAL, EACH	8	EA	$1,800.00	$14,400.00
B	SHRUB REMOVAL-FRONTAGE	50	EA	$250.00	$12,500.00
C	CLEARING & GRUBBING OF MEDIANS ONLY	15,600	SF	$0.75	$11,700.00
D	ASPHALT SAWCUT, TRENCH & REPAIR BOTH SIDES OF ROAD FROM 4 EXISTING IRRIGATION CONTROLLER POINTS IN MEDIAN FOR INSTALLATION OF 2-WIRE DECODER CONTROL WIRE	4	EA	$2,000.00	$8,000.00
			SEGMENT SUBTOTAL		$46,600.00
	IRRIGATION				
A	FLOW SENSOR - NEW ON 2" MAINLINE	1	EA	$1,150.00	$1,150.00
B	RAIN SENSOR - NEW	1	EA	$340.00	$340.00
C	WATER METER - INSPECTION, RETROFIT	1	EA	$800.00	$800.00
D	IRRIG MAINLINE - EXISTING	0	LF	$8.00	$0.00
E	CONTROLLER - HUNTER IC-600-PP, DUAL48M	1	EA	$3,500.00	$3,500.00
F	2 WIRE DECODING SYSTEM INSTALLED EA.	39	EA	$1,950.00	$76,050.00
G	WIRE ALLOWANCE, 2,800 FT INSTALLED	2,800	EA	$1.75	$4,900.00
H	TREE BUBBLER BASKET ASSEMBLY INSTALLED	113	EA	$75.00	$8,475.00
I	LATERALS AND SPRINKLERS SHRUB/GC	31,435	SF	$1.40	$44,009.00
J	RCVS IN VALVE BOXES(REMOTE CONTROL VALVE)	39	EA	$250.00	$9,750.00
K	GATE VALVES, PVC IN ROUND VALVE BOX	20	EA	$150.00	$3,000.00
L	QCVS (QUICK COUPLER VALVE IN BOX)	13	EA	$110.00	$1,430.00
			SEGMENT SUBTOTAL		$153,404.00
	LANDSCAPE PLANTING				
A	TURF-AT ENTRANCE INSTALLED	2,015	SF	$4.10	$8,261.50
B	TREES - 24 GAL - INSTALLED	12	EA	$595.00	$7,140.00
C	TREES - 15 GAL - INSTALLED	35	EA	$230.00	$8,050.00
D	SHRUB - 5 GALLON	304	EA	$42.00	$12,768.00
E	SHRUB / GROUNDCOVER 1 GALLON	705	EA	$24.00	$16,920.00
F	FINISH GRADING IMPROVED AREA	31,435	SF	$0.20	$6,287.00
G	SOIL PREPARATION SHRUB AREAS	31,435	SF	$0.20	$6,287.00
			SEGMENT SUBTOTAL		$65,713.50
	LANDSCAPE MULCH & DECORATIVE ROCK COVER INSTALLED				
A	MULCH - FRONTAGE, 13,500 SF	105	CY	$112.00	$11,760.00
B	MULCH - STREETSCAPES, 46,400 SF	360	CY	$112.00	$40,320.00
C	DECORATIVE COBBLE ROCK COVER, 17,300 SF	150	CY	$210.00	$31,500.00
D	FILTER FABRIC, 4 OZ. OR BETTER PINNED	89,215	SF	$0.50	$44,607.50
			SEGMENT SUBTOTAL		$128,187.50
	LANDSCAPE MAINTENANCE				
A	90 DAY MAINTENANCE	89,215	SF	$0.15	$13,382.25
	CONSTRUCTION ESTIMATE TOTAL:				
	TOTAL				$407,287.25
	CONTINGENCY 10%				*$40,728.73*
	TOTAL CONSTRUCTION BUDGET				**$448,015.98**
	COST/SF				$5.02

OPTION B- $4 PER SQUARE FEET

Castle Oaks Entrance Streetscapes & Medians

ESTIMATE OF PROBABLE CONSTRUCTION COST

LWL#22.05_IoneMedians

Ver.1._05.18.2023

	ITEM / DIVISION	QTY.	UNIT	COST	TOTAL
	DEMOLITION, TREE CLEARING & GRUBBING OF EXISTING AREAS				
A	TREE REMOVAL, STUMP GRINDING & DISPOSAL, EACH	8	EA	$1,800.00	$14,400.00
B	SHRUB REMOVAL-FRONTAGE	50	EA	$250.00	$12,500.00
C	CLEARING & GRUBBING OF MEDIANS ONLY	15,600	SF	$0.75	$11,700.00
D	ASPHALT SAWCUT, TRENCH & REPAIR BOTH SIDES OF ROAD FROM 4 EXISTING IRRIGATION CONTROLLER POINTS IN MEDIAN FOR INSTALLATION OF 2-WIRE DECODER CONTROL WIRE	4	EA	$2,000.00	$8,000.00
			SEGMENT SUBTOTAL		$46,600.00
	IRRIGATION				
A	FLOW SENSOR - NEW ON 2" MAINLINE	1	EA	$1,150.00	$1,150.00
B	RAIN SENSOR - NEW	1	EA	$340.00	$340.00
C	WATER METER - INSPECTION, RETROFIT	1	EA	$800.00	$800.00
D	IRRIG MAINLINE - EXISTING	0	LF	$8.00	$0.00
E	CONTROLLER - HUNTER IC-600-PP, DUAL48M	1	EA	$3,500.00	$3,500.00
F	2 WIRE DECODING SYSTEM INSTALLED EA.	33	EA	$1,950.00	$64,669.99
G	WIRE ALLOWANCE, 2,800 FT INSTALLED	2,800	EA	$1.75	$4,900.00
H	TREE BUBBLER BASKET ASSEMBLY INSTALLED	113	EA	$75.00	$8,475.00
I	LATERALS AND SPRINKLERS SHRUB/GC	26,731	SF	$1.40	$37,423.56
J	RCVS IN VALVE BOXES(REMOTE CONTROL VALVE)	33	EA	$250.00	$8,291.02
K	GATE VALVES, PVC IN ROUND VALVE BOX	20	EA	$150.00	$3,000.00
L	QCVS (QUICK COUPLER VALVE IN BOX)	13	EA	$110.00	$1,430.00
			SEGMENT SUBTOTAL		$133,979.57
	LANDSCAPE PLANTING				
A	TURF-AT ENTRANCE INSTALLED	2,015	SF	$4.10	$8,261.50
B	TREES - 24 GAL - INSTALLED	12	EA	$595.00	$7,140.00
C	TREES - 15 GAL - INSTALLED	35	EA	$230.00	$8,050.00
D	SHRUB - 5 GALLON	304	EA	$42.00	$12,768.00
E	SHRUB / GROUNDCOVER 1 GALLON	705	EA	$24.00	$16,920.00
F	FINISH GRADING IMPROVED AREA	31,435	SF	$0.20	$6,287.00
G	SOIL PREPARATION SHRUB AREAS	31,435	SF	$0.20	$6,287.00
			SEGMENT SUBTOTAL		$65,713.50
	LANDSCAPE MULCH & DECORATIVE ROCK COVER INSTALLED				
A	MULCH - FRONTAGE, 13,500 SF	105	CY	$112.00	$11,760.00
B	MULCH - STREETSCAPES, 46,400 SF	360	CY	$112.00	$40,320.00
C	DECORATIVE COBBLE ROCK COVER, 17,300 SF	150	CY	$210.00	$31,500.00
D	FILTER FABRIC, 4 OZ. OR BETTER PINNED	75,865	SF	$0.50	$37,932.50
			SEGMENT SUBTOTAL		$121,512.50
	LANDSCAPE MAINTENANCE				
A	90 DAY MAINTENANCE	75,865	SF	$0.15	$11,379.75
	CONSTRUCTION ESTIMATE TOTAL:				
	TOTAL				$324,148.00
	CONTINGENCY 10%				*$32,414.80*
	TOTAL CONSTRUCTION BUDGET				**$356,562.80**
	COST/SF				$4.00

OPTION C- $3 PER SQUARE FEET

Castle Oaks Entrance Streetscapes & Medians

ESTIMATE OF PROBABLE CONSTRUCTION COST

LWL#22.05_IoneMedians

Ver.1._05.18.2023

	ITEM / DIVISION	QTY.	UNIT	COST	TOTAL
	DEMOLITION, TREE CLEARING & GRUBBING OF EXISTING AREAS				
A	TREE REMOVAL, STUMP GRINDING & DISPOSAL, EACH	8	EA	$1,800.00	$14,400.00
B	SHRUB REMOVAL-FRONTAGE	50	EA	$250.00	$12,500.00
C	CLEARING & GRUBBING OF MEDIANS ONLY	15,600	SF	$0.75	$11,700.00
D	ASPHALT SAWCUT, TRENCH & REPAIR BOTH SIDES OF ROAD FROM 4 EXISTING IRRIGATION CONTROLLER POINTS IN MEDIAN FOR INSTALLATION OF 2-WIRE DECODER CONTROL WIRE	4	EA	$2,000.00	$8,000.00
				SEGMENT SUBTOTAL	$46,600.00
	IRRIGATION				
A	FLOW SENSOR - NEW ON 2" MAINLINE	1	EA	$1,150.00	$1,150.00
B	RAIN SENSOR - NEW	1	EA	$340.00	$340.00
C	WATER METER - INSPECTION, RETROFIT	1	EA	$800.00	$800.00
D	IRRIG MAINLINE - EXISTING	0	LF	$8.00	$0.00
E	CONTROLLER - HUNTER IC-600-PP, DUAL48M	1	EA	$3,500.00	$3,500.00
F	2 WIRE DECODING SYSTEM INSTALLED EA.	26	EA	$1,950.00	$51,225.38
G	WIRE ALLOWANCE, 2,800 FT INSTALLED	2,800	EA	$1.75	$4,900.00
H	TREE BUBBLER BASKET ASSEMBLY INSTALLED	113	EA	$75.00	$8,475.00
I	LATERALS AND SPRINKLERS SHRUB/GC	21,174	SF	$1.40	$29,643.37
J	RCVS IN VALVE BOXES(REMOTE CONTROL VALVE)	26	EA	$250.00	$6,567.36
K	GATE VALVES, PVC IN ROUND VALVE BOX	20	EA	$150.00	$3,000.00
L	QCVS (QUICK COUPLER VALVE IN BOX)	13	EA	$110.00	$1,430.00
				SEGMENT SUBTOTAL	$111,031.11
	LANDSCAPE PLANTING				
A	TURF-AT ENTRANCE INSTALLED	2,015	SF	$4.10	$8,261.50
B	TREES - 24 GAL - INSTALLED	12	EA	$595.00	$7,140.00
C	TREES - 15 GAL - INSTALLED	35	EA	$230.00	$8,050.00
D	SHRUB - 5 GALLON	304	EA	$42.00	$12,768.00
E	SHRUB / GROUNDCOVER 1 GALLON	705	EA	$24.00	$16,920.00
F	FINISH GRADING IMPROVED AREA	31,435	SF	$0.20	$6,287.00
G	SOIL PREPARATION SHRUB AREAS	31,435	SF	$0.20	$6,287.00
				SEGMENT SUBTOTAL	$65,713.50
	LANDSCAPE MULCH & DECORATIVE ROCK COVER INSTALLED				
A	MULCH - FRONTAGE, 13,500 SF	105	CY	$112.00	$11,760.00
B	MULCH - STREETSCAPES, 46,400 SF	360	CY	$112.00	$40,320.00
C	DECORATIVE COBBLE ROCK COVER, 17,300 SF	150	CY	$210.00	$31,500.00
D	FILTER FABRIC, 4 OZ. OR BETTER PINNED	60,093	SF	$0.50	$30,046.50
				SEGMENT SUBTOTAL	$113,626.50
	LANDSCAPE MAINTENANCE				
A	90 DAY MAINTENANCE	60,093	SF	$0.15	$9,013.95
	CONSTRUCTION ESTIMATE TOTAL:				
	TOTAL				$245,797.21
	CONTINGENCY 10%				*$24,579.72*
	TOTAL CONSTRUCTION BUDGET				**$270,376.93**
	COST/SF				$3.03

OPTION D - ALTERNATIVE USING EXISTING ECOURBAN MAINTANANCE CONRACT

Castle Oaks Renovation Project for the City of Ione

EcoUrban Landscapes

Summer/Fall 2023

Area 1

Materials						
Item	Cost		sqft	$/sqft		
Moss Rocks	$	700.00				
Cobble	$	400.00				
Plants	$	250.00				
Mulch	$	150.00				
Misc.	$	500.00				
Sod (w/ labor)	$	4,800.00	1200	$ 4.00		
Subtotal	$	*6,800.00*				
Labor						
Pay	Cost		Rate ($/hr)	Hours/Day	Workers	Days
Subtotal		*4800*	100	8	2	3
Area 1:TOTAL	**$**	**11,600.00**				

Area 2

Materials						
Item	Cost		sqft	$/sqft		
Moss Rocks	$	500.00				
Cobble	$	600.00				
Plants	$	500.00				
Mulch	$	300.00				
Misc.	$	1,000.00				
Sod (w/ labor)	$	5,440.00	1360	$ 4.00		
Subtotal	$	*8,340.00*				
Labor						
Pay	Cost		Rate ($/hr)	Hours/Day	Workers	Days
Subtotal		*8000*	100	8	2	5
Area 2: TOTAL	**$**	**16,340.00**				

Area 3

Materials						
Item	Cost		sqft	$/sqft		
Moss Rocks	$	700.00				
Cobble	$	600.00				
Plants	$	1,000.00				
Mulch	$	400.00				
Misc.	$	1,500.00				
Sod (w/ labor)	$	30,480.00	7620	$ 4.00		
Subtotal	$	*34,680.00*				
Labor						
Pay	Cost		Rate ($/hr)	Hours/Day	Workers	Days
Subtotal		*8000*	100	8	2	5
Area 3: TOTAL	**$**	**42,680.00**				

Area 4

Materials						
Item	Cost		sqft	$/sqft		
Moss Rocks	-					
Cobble	$	1,000.00				
Plants	$	1,500.00				
Mulch	$	500.00				
Misc.	$	1,000.00				
Sod (w/ labor)	$	16,000.00	4000	$ 4.00		
Subtotal	$	*20,000.00*	.			
Labor						
Pay	Cost		Rate ($/hr)	Hours/Day	Workers	Days
Subtotal		*8000*	100	8	2	5
Area 4: TOTAL	**$**	**28,000.00**				

Area 5			
Area 5: TOTAL	**$**	**23,000.00**	

Area 6			
Area 6: TOTAL	**$**	**24,000.00**	

Areas 7 and 8

Materials						
Item	Cost		sqft	$/sqft		
Moss Rocks	-					
Cobble	$	500.00				
Plants	$	500.00				
Mulch	$	500.00				
Misc.(skid steer)	$	2,000.00				
Sod (w/ labor)	$	5,600.00	1400	$ 4.00		
Subtotal	$	*9,100.00*	.			
Labor						
Pay	Cost		Rate ($/hr)	Hours/Day	Workers	Days
Subtotal		4800	100	8	2	3
Areas 7/8: TOTAL	**$**	**13,900.00**				

TOTAL	**$**	**159,520**
20% CONTINGENCY	**$**	**31,904**

TOTAL	**$**	**191,424**

ASSUMPTIONS/CONDITIONS
No new wiring is needed
Existing controllers remain
Available location to dump green waste/fill
2 year extention on maintenance contract

Attachment A

RESOLUTION NO. 2023-*

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF IONE SELECTING AN ESTIMATE OF PROBABLE COST OPTION FOR LANDSCAPING AND IRRIGATION AT CASTLE OAKS VILLAGE 9 RIGHT OF WAY AREAS AND DIRECTING STAFF TO NEGOTIATE THE CONTRACT WITH ECOURBAN TO IMPLEMENT THE LANDSCAPE IMPROVEMENTS

WHEREAS, the City of Ione Public Works Department serves the needs of Ione's citizens by maintaining, operating, and improving the City's infrastructure; and

WHEREAS, the landscaping of Castle Oaks Village 9 right of way areas has started to fail as it was discovered that the irrigation had some flaws and wasn't functioning as intended; and

WHEREAS, the City of Ione hired Low Water Landscape, Inc., a company in Folsom, California, to redesign the landscape and irrigation; and

WHEREAS, the City of Ione did receive the Plans and Estimate of Probable Cause from Low Water Landscape, Inc.; and

WHEREAS, the Estimate of Probable Cost of $5 per square foot (Option A) was outside of what could be afforded and directed Engineering to modify the scope and budget to a lower amount for City Council consideration; and

WHEREAS, Engineering produced two more options for City Council consideration; and

WHEREAS, the two options resulted in a cost of $4 per square foot (Option B) and $3 per square foot (Option C); and

WHEREAS, Option D, the alternative to repair the failed landscaping and irrigation under the current Maintenance Contract with EcoUrban resulted in a cost of $191,424, or approximately $2.50 per square foot.

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Ione, State of California, as follows:

1. The foregoing recitals are true and correct.
2. The City Council hereby selects Option D using the Maintenance Contract for the Estimate of Probable Cost for the Landscaping and Irrigation for Castle Oaks Village 9 Right of Way.
3. The Council further directs the City Manager and City Engineer to negotiate a contract with EcoUrban for implementation of said improvements.

Attachment A

The following resolution was duly introduced and adopted at the City Council of the City of lone on August 1, 2023, by the following vote:

AYES:
NOES:
ABSENT:
ABSTAIN:

_____
Stacy Rhoades, Mayor

Attest:

City of
IONE California
The Castle City, Gateway to the Motherlode

City of Ione
Proposed Fiscal Year 2023-2024 Budget

Proposed Budget for Fiscal Year 2023 - 2024

Table of Contents

Overview 3
Opportunities and Challenges 3
City Government 4
City Organization Chart 5
Budget Level of Legal Authority 5
Budget Overview 6
Revenues 6
Expenditures 7
Employee Costs 7
Interfund Loans and Payback Plan 11
Department Budget Summaries 11
City Manager, Finance, & Human Resources 15
Police 15
Fire 16
Public Works 16
Information Technology 17
Capital Improvement Program 17
Policy Considerations 17
Summary 18
Appendix A: Revenues 19
Appendix B: Salary Schedule 22
Appendix C: Department Summaries 25
Appendix D: General Fund Policy for Operating and Capital Reserves 39
Glossary of Terms 41

MEMORANDUM

DATE: AUGUST 1, 2023

TO: THE HONORABLE MAYOR AND MEMBERS OF THE CITY COUNCIL

FROM: AMY GEDNEY, INTERIM CITY MANAGER

RE: 2023-2024 OPERATING BUDGET

Overview

The DRAFT Fiscal Year 2023-2024 Operating Budget is included for your review and approval. The 2022-2023 fiscal year included many challenges for the City of Ione, including turnover in multiple positions, resulting in many of the 2022-2023 objectives not being met. The budget as presented reflects staffing changes in the Administration – specifically in Finance to adequately address the staffing needs and shortfalls within that area and to "deepen" the bench of responsibility and coverage areas. With a change in leadership in any organization, it is an opportune time to re-evaluate operations and assess whether there may be better ways to achieve results. This assessment takes into consideration the feedback and recommendations of department heads, staff, City Council, and the community to facilitate an appropriate and balanced approach to service delivery that best meets the needs of the City.

The building boom over the last several years is coming to a close, as a result, building fees as a source of general fund revenue have been projected to decline heavily. Within the general fund however, the major revenue sources including property and sales taxes have remained strong. This solid revenue stream is a significant reason that the budget as presented to you continues to provide the programs and services Ione residents, business, and visitors expect and rely on, as well as supporting efforts toward long-term fiscal sustainability.

Opportunities and Challenges

The "Castle City," Ione offers the perfect blend of small-town charm and quality living. Its quaint character and convenient location just 30 miles south east of Sacramento make it the perfect place to work, live, and play. Incorporated in 1953 and located in Amador County the City comprises 4.7 square miles with a non-institutionalized population of approximately 6,000. Ione is known for its small-town atmosphere and its outstanding quality of life.

Ione's historic downtown features shops, restaurants, and landmarks that draw people from throughout the area. You'll find unique shops with one-of-a-kind items, antiques and pizzerias with family friendly fare. The community enjoys a seasonal creek, biking routes through the scenic foothills, dedicated open space and free parking.

One of Ione's most desirable attributes is its sense of community. The City offers tremendous opportunities for residents and businesses. There are a broad range of recreation opportunities in and around Ione. Additionally, community leaders are committed to cultivating and sustaining a positive business environment. This is achieved with proactive and supportive staff and economic and business diversity.

The tremendous turnover in staffing and a tumultuous political environment have contributed to some of the challenges that the City is now facing. Projects have been left undone and due to the staffing turnover, institutional knowledge is lacking. Cultivating an atmosphere of change and "can do" will be a significant factor in overcoming these challenges. The Council must work together to ensure that projects come to fruition and the City's resources are well spent.

City Government

Ione has a Council/Manager form of government. Citizens elect five City Council Members at large who serve four-year terms. Three council seats have terms that expire in November 2022; two council seats have terms that expire in November 2024. The position of Mayor and Vice Mayor rotate annually in December. The City currently holds elections on the first Tuesday of November in even-number years.

The City Council Members are elected officers identified in Government Code Section 87200 and file statements of economic interests with the City Clerk's office. The City Council meets in regular session on the first and third Tuesday of every month at 6:00 p.m. at City Hall. Council agendas are posted at City Hall at least 72 hours prior to the meeting and available online.

Stacy Rhoades, Mayor: Term 2022-2024

Jack Mitchell, Vice Mayor: Term 2022-2026

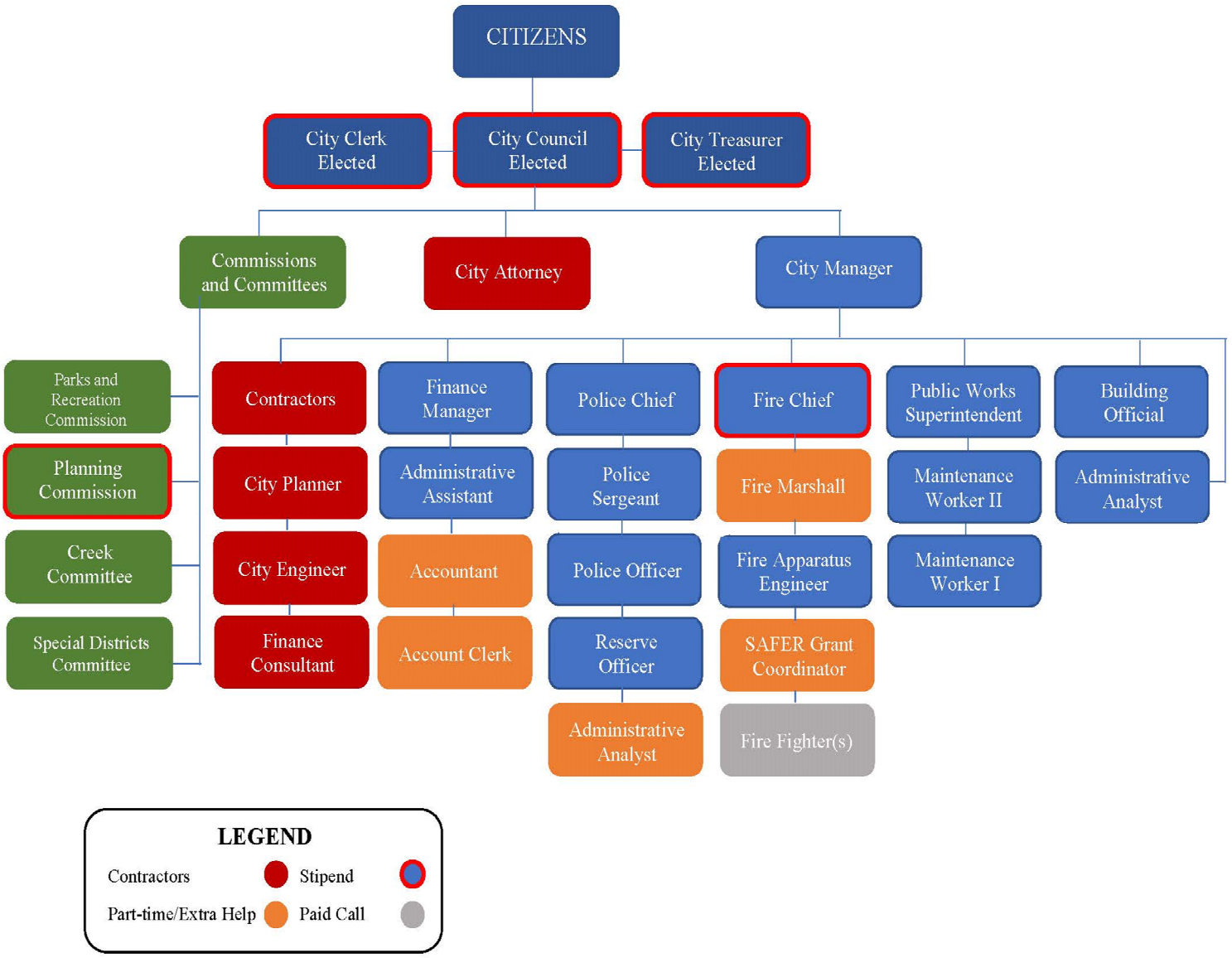
Dominic Atlan, Council Member: Term 2022-2026

Alison LaFayne, Council Member: Term 2022-2026

Diane Wratten, Council Member: Term 2020-2024

Figure 1 illustrates the organization of the City.

Figure 1. City Organization Chart



Budget Level of Legal Authority

The duty to prepare the budget is contained within the City's *Municipal Code, Title 2 – Administration and Personnel, Chapter 2.10 – City Manager, Section 2.10.150 - Powers and duties—Budgets*.

> It shall be the duty of the city manager to prepare and submit the proposed annual budget and the proposed annual salary plan to the city council for its approval.

A balanced budget is presented with sufficient detail to evaluate City programs and projects. Expenditures which would overall create a negative budget variance are provided to the City Council for approval either as they occur or as part of the mid-year budget review as appropriate.

Budget Overview

Excellence in government is reliant upon adherence to best practices and underlying principles that support designing, implementing, and improving budgets to best serve the community. For the last three years, the City has had significant turnover in staffing. This turnover has resulted in inconsistencies in all aspects of city operations. Therefore, making comparisons for past years to review trends is a bit more difficult. This budget as presented does not provide historic expenditures as they are inaccurate. This Budget is a zero based balanced budget and every expenditure is derived out a specific department. In past years, Department budgets were only allocated in the General Fund. This Budget is presented by Department and each department budget details which fund the expenditures will be posted against. The Summary page then combines each Department budget.

Revenues

The City provides a spectrum of direct services to the community (fire protection, police, street maintenance, park and facilities maintenance, building inspection and code enforcement, planning and engineering services) which are accounted for by department and then allocated across various operating funding sources.

The City maintains a variety of funds as required for reporting as well as those for internal tracking purposes which are classified as governmental, proprietary/enterprise, and fiduciary/agency funds: General Fund, Special Revenue Funds (grants), Measure M (fire building), Capital Projects (police/parks/drainage), Road Tax Fund, Traffic Mitigation, and Sewer Fund.

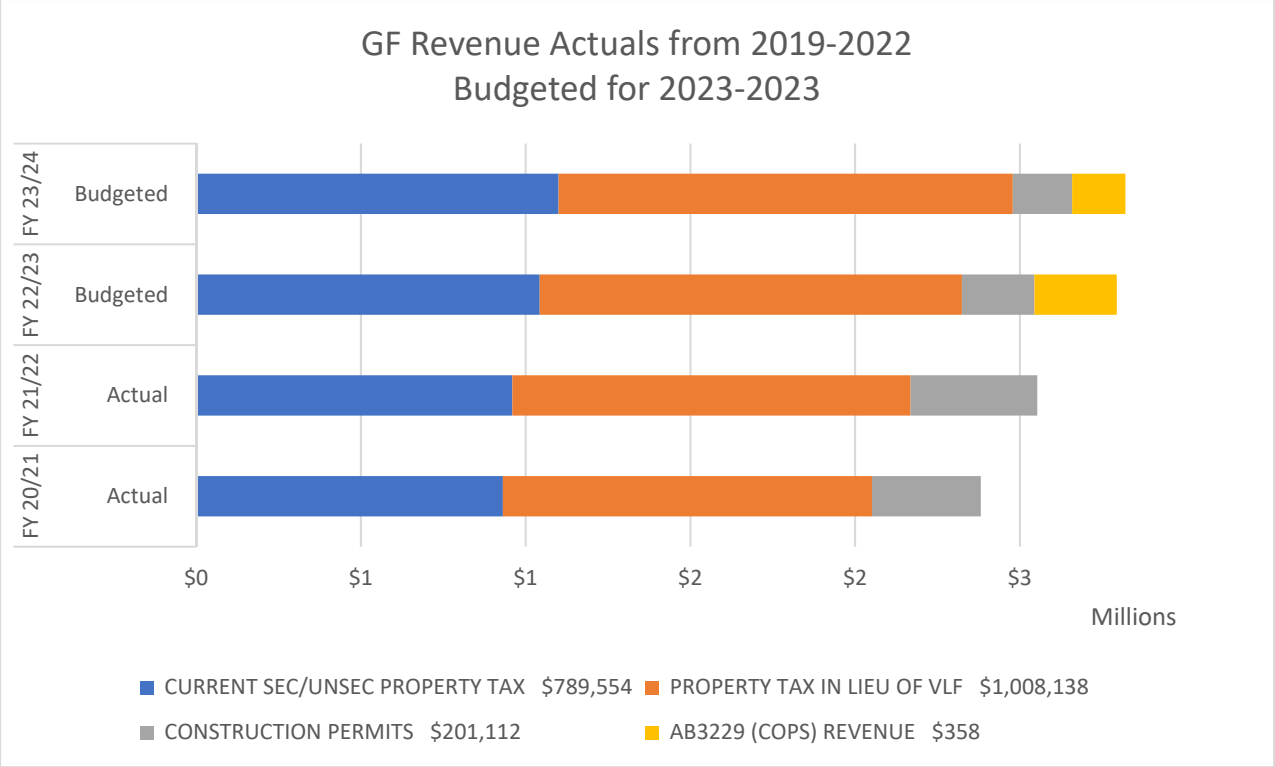
Governmental funds reflect all activities which are general in nature or for specific purposes and not further classified as proprietary or fiduciary: general fund, special revenues, impact fees, capital projects, road tax, Measure M, and local traffic mitigation.

Proprietary or Enterprise funds are used to account for sewer services the City charges customers to provide. Fiduciary or Agency funds are used to account for resources held for the benefit of others and are not available to support the City's own programs: community facilities districts, asset seizure police, and regional traffic mitigation.

Revenue forecasts have been developed based on a combination of historical data and projections from a variety of sources. Taxes (property, sales, motor vehicle in lieu, and franchise) have again remained strong. Forecasted increases for property tax, sales tax, and property tax in lieu of vehicle license fees have been increased according to year to date actuals and historic trends. Transient occupancy tax has varied from year-to-year with further evaluation planned for this year.

Licenses and Permits reflect building permit activity, so to remain conservative this estimate is in has been significantly decreased as projected buildout of current phases is nearing completion. Interest rates and the homebuyer economy play a significant role in those revenue streams. Figure 2 provides a snapshot of actual and anticipated General Fund Revenues.

Figure 2. General Fund Revenue Snapshot.



Appendix A details the estimated revenue for all of the operating funds. Gast Tax revenue is expected to increase slightly. Restricted CFD funds for Police and Fire are expected to remain the same without a cost of living increase on the tax levy.

Expenditures

As noted above, expenditures are categorized by Department. Department expenditures comprise three categories: employee services, operating costs, and capital costs.

Employee Costs

In evaluating appropriate levels of staffing given City Council goals in service delivery to the community, the following changes are recommended in this budget:

- Adjusting of Administrative Assistant position, Maintenance worker positions, and Police Chief, increase in stipend for Fire Chief, addition of Fire Marshall and elimination of Executive Assistant to the City Manager position. Table 1 outlines staffing by Department.

Table 1. Total Staffing.

FULLTIME			
Department	**Position**	**Fiscal Year 2022/23**	
Administration	City Manager	1	
Administration	Administrative Assistant	1	
Administration	Administrative Assistant	1	

Finance	Finance Manager	1	
Fire	Fire Apparatus Engineer	1	
Fire	Fire Apparatus Engineer	1	
Fire	Fire Apparatus Engineer	1	
Fire	Fire Apparatus Engineer	1	
Building	Building Inspector II	1	
Public Works	Public Works Superintendent	1	
Public Works	Maintenance Worker II	1	
Public Works	Maintenance Worker I	1	
Public Works	Maintenance Worker I	1	
Police	Police Chief	1	
Police	Police Sergeant	1	
Police	Police Sergeant	1	
Police	Police Officer	1	
Police	Police Officer	1	
Police	Police Officer	1	
Police	Police Officer	1	
Police	Police Officer	1	
Police	Police Officer	1	
TOTAL FULLTIME STAFF		**24**	
PART-TIME / EXTRA HELP			
Department	**Position**	**Fiscal Year 2023/24**	
Fire	Fire Chief	1	Stipend
Fire	Marshall	1	Hourly
Finance	Accountant	1	<960 hours (RA)*
Finance	Account Clerk	1	<960 hours
Police	Reserve Officer	2	1 at <960 hours (RA)* 1 at <1000 hours
Police	Administrative Analyst	1	<500 hours (RA)*
TOTAL PART-TIME STAFF		**6**	
ELECTED			
Department	**Position**	**Fiscal Year 2022/23**	
City Clerk	City Clerk	1	Stipend
City Treasurer	City Treasurer	1	Stipend
City Council	City Council Members	5	Stipend
Planning Commission	Planning Commissioners	5	Stipend
TOTAL ELECTED STAFF		**12**	
TOTAL ALL STAFF		**42**	

*Retired Annuitant

Employee expenses are first derived from the Salary Schedule, shown in Appendix B and are then allocated across various operating funds, see Table 2. Maintaining employee longevity is a critical factor in the success of the City. As noted above, high turnover in staffing inhibits the City's ability to successfully provide services as well as maintain the City's financial position. The Salary Schedule for 2023-2024 has been adjusted to account for the Memorandum of

Understanding with the Police Officers' Association with a 2% COLA; an adjustment for Administrative Assistant pay to reflect market conditions and responsibilities, adjustments to the Maintenance worker schedule to also reflect market conditions and responsibilities; a adjustment to the Police Chief salary and the Fire Chief stipend. Again, the objective is longevity for the success of the City.

Employee costs comprise salary, benefits – including CalPERS, and health, and workers' compensation costs.

The CalPERS minimum required employer contribution includes the sum of two components:

- Normal Cost (NC) Rate, which represents the annual cost of service accrual for active employees is shown as a percentage of payroll and paid as part of the monthly payroll reporting process. This is accounted for in each department as costs for employee services are calculated.
- Annual Unfunded Accrued Liability (UAL) payment which is the amortized dollar amount needed to fund past service credit earned (or accrued) for members who are currently receiving benefits, active members, and for members entitled to deferred benefits, as of the valuation date. This UAL is billed and paid monthly. This is accounted for in Central Services.

Table. 2. Staff Allocation by Department and Fund.

		Allocation % General Fund 1111	4111	4311	2111	3111	**Allocation %** 3131	9670	9675	9613	
Department	Position	General	Pool	Arena	Gas Tax	Wastewater	Tertiary	Restricted CFD Police	Restricted CFD Fire	Measure M	Total
City Council	Council Member	100.0%									
City Council	Council Member	100.0%									100.0%
City Council	Council Member	100.0%									100.0%
City Council	Council Member	100.0%									100.0%
City Council	Council Member	100.0%									100.0%
City Clerk	City Clerk	100.0%									100.0%
City Treasurer	City Treasurer	100.0%									100.0%
Administration	City Manager	91.5%			3.5%	5.0%	0.0%				100.0%
Administration	Account Clerk	50.0%				50.0%					100.0%
Administration	Administrative Assistan	50.0%				50.0%					100.0%
Administration	Administrative Analyst	100.0%				0.0%					100.0%
Finance	Account Tech	60.0%			5.0%	25.0%		5.0%	5.0%		100.0%
Finance	Finance Manager	82.5%			5.0%	5.0%		2.5%	5.0%		100.0%
Police	Police Chief	100.0%									100.0%
Police	Police Officer	85.0%						15.0%			100.0%
Police	Police Officer	85.0%						15.0%			100.0%
Police	Police Officer	85.0%						15.0%			100.0%
Police	Police Officer	85.0%						15.0%			100.0%
Police	Police Officer	85.0%						15.0%			100.0%
Police	Police Sergeant	85.0%						15.0%			100.0%
Police	Police Sergeant	85.0%						15.0%			100.0%
Police	Part Time	85.0%						15.0%			100.0%
Police	Administrative Analyst	100.0%									100.0%
Fire	Fire Chief	100.0%							0.0%	0.0%	100.0%
Fire	Fire Apparatus Engine	0.0%							30.0%	70.0%	100.0%
Fire	Fire Apparatus Engine	0.0%							30.0%	70.0%	100.0%
Fire	Fire Apparatus Engine	0.0%							30.0%	70.0%	100.0%
Fire	Fire Apparatus Engine	0.0%							30.0%	70.0%	100.0%
	Marshall	0.0%							30.0%	70.0%	100.0%
Fire	Paid call	0.0%							30.0%	70.0%	100.0%
Fire	Paid call	0.0%							30.0%	70.0%	100.0%
Fire	Paid call	0.0%							30.0%	70.0%	100.0%
Fire	Paid call	0.0%							30.0%	70.0%	100.0%
Fire	Paid call	0.0%							30.0%	70.0%	100.0%
Fire	Paid call	0.0%							30.0%	70.0%	100.0%
Fire	Paid call	0.0%							30.0%	70.0%	100.0%
Fire	Paid call	0.0%							30.0%	70.0%	100.0%
Building Official	Building Official	100.0%									100.0%
Administration	Administrative Assistan	90.0%				10.0%					100.0%
PW	Maintenance Worker I	50.0%	7.5%	7.5%	25.0%	10.0%					100.0%
PW	Maintenance Worker I	70.0%	10.0%	0.0%	20.0%	0.0%					100.0%
PW	Maintenance Worker I	70.0%	10.0%	0.0%	20.0%	0.0%					100.0%
PW	Public Works Superint	80.0%	0.0%	0.0%	10%	10.0%					100.0%
PW	Tempory Seasonal He	100.0%	0.0%	0.0%	0.0%	0.0%					100.0%
PW	Tempory Seasonal He	100.0%	0.0%	0.0%	0.0%	0.0%					100.0%

Interfund Loans and Payback Plan

It has been determined that there are a number of outstanding interfund loans in the City that have yet to be repaid. In accordance with the Government Code, these loans must be established in accordance with a loan agreement which includes a term for repayment. To fulfill this requirement, these loans have now been recorded in loan agreements with established recommended repayment periods and reporting requirements. The debt payment is posted in the Admin/Finance budget by appropriate fund, and the income to the fund is posted in the revenue, shown in Attachment A.

Advances to Other Funds (Fund paying out advance)	Fund	Advances From Other Funds (Funds receiving advance)	Fund	Balance 6/30/2023	23 years
General Fund	1111	Impact Fees - General Plan	9515	$ 344,830	($15,704)
General Fund	1111	Impact Fees - Fire	9511	264,328	(12,037)
Sewer-Capital Projects	3121	General Fund	1111	225,106	(10,251)
Local Transportation Comm	4211	General Fund	1111	117,687	(5,360)
Local Transportation Comm	4211	General Fund	1111	365,160	(16,629)
Gas Tax Fund	2111	General Fund	1111	182,418	(8,307)
Gas Tax Fund	2111	Impact Fees - General Plan	9515	39,540	(1,801)
ARSA	8231	General Fund	1111	60,718	(2,645)
Tertiary	3131	General Fund (Arena Loan 3% interest)	1111	330,210	(14,357)
Traffic Mitigation Fee - Local	9518	General Fund	1111	165,518	(7,538)
Measure M	9613	General Fund	1111	312,179	(14,217)
				$ 2,407,694	($108,846)

Department Budget Summaries

Appendix C shows each Department's budget Total and then illustrates across which fund those expenses are allocated. Table 3 summarizes those expenses across funding sources. With the exception of the wastewater and tertiary funds, each fund is balanced. It is a necessity to undertake a wastewater rate study this year. The last wastewater rate study was completed in 2009. This will be a critical undertaking.

Table 3. Summary of 202302024 Operating Budget by Department and Fund.

Line #			1111 - GF	1222 GF Operating Reserves	1333 GF Capital Reserves	4111-Pool	4311 - Arena	2111 - Gas Tax	3111 - WWTP	3131 - Tertiary	8221 - CFD LL&D	9670 - CFD Restricted PD	9675 - CFD Restricted Fire	9613 - Measure M
		Projected Balance July 1 2023	$ 1,966,124	$ -				$ 808,963	$ 1,507,550	$ (936,687)	$ 118,135	$ 703,475	$ 763,713	$ 797,818
		Projected Revenue	$ 3,745,388	$ 187,269	$ 262,177			$ 397,133	$ 946,000	$ 195,000	$ 85,000	$ 230,000	$ 124,134	$ 699,217
1	*New Policy*	Move to Operating Reserves (5%)	$ *187,269*									*TBD*	*TBD*	*TBD*
		Move to Capital Reserves (7%)	$ *262,177*									*TBD*	*TBD*	*TBD*

Table 3. Summary of 202302024 Operating Budget by Department and Fund.

Line #	Dept Code		TOTAL DEPARTMENTAL BUDGET	1111 - GF	1222 GF Operating Reserves	1333 GF Capital Reserves	4111-Pool	4311 - Arena	2111 - Gas Tax	3111 - WWTP	3131 - Tertiary	8221 - CFD LL&D	9670 - CFD Restricted PD	9675 - CFD Restricted Fire	9613 - Measure M
	60	**City Council**													
		Employee Services	$ 14,483	$ 14,483			$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
		Operating	$ 18,000	$ 18,000			$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
		Capital	$ -	$ -			$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
			$ 32,483	**$ 32,483**			**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**
	62	**City Clerk**													
		Employee Services	$ 26,400	$ 26,400			$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
		Operating	$ 383	$ 383			$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
		Capital	$ -	$ -			$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
			$ 26,783	**$ 26,783**			**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**
	64	**City Treasurer**													
		Employee Services	$ 2,897	$ 2,897			$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
		Operating	$ -	$ -			$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
		Capital	$ -	$ -			$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
			$ 2,897	**$ 2,897**			**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**
	65	**Admin**													
		Employee Services	$ 701,085	$ 574,201			$ -	$ -	$ 17,314	$ 98,266	$ -	$ -	$ 6,484	$ 4,821	$ -
		Operating	$ 406,036	$ 160,850			$ -	$ 14,357	$ 15,585	$ 199,159	$ -	$ -	$ 8,043	$ 8,043	$ -
		Capital	$ -	$ -			$ -	$ -	$ -	$ -		$ -	$ -	$ -	$ -
			$ 1,107,121	**$ 735,051**			**$ -**	**$ 14,357**	**$ 32,899**	**$ 297,425**	**$ -**	**$ -**	**$ 14,526**	**$ 12,863**	**$ -**
	68	**Legal**													
		Employee Services	$ -	$ -			$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
		Operating	$ 81,000	$ 36,000			$ -	$ -	$ -	$ 45,000	$ -	$ -	$ -	$ -	$ -
		Capital	$ -	$ -			$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
			$ 81,000	**$ 36,000**			**$ -**	**$ -**	**$ -**	**$ 45,000**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**
	70	**Police**													
		Employee Services	$ 1,224,587	$ 1,055,681			$ -	$ -	$ -	$ -	$ -	$ -	$ 168,906	$ -	$ -
		Operating	$ 302,141	$ 166,178			$ -	$ -	$ -	$ -	$ -	$ -	$ 135,963	$ -	$ -
		Capital	$ 7,500	$ 5,000			$ -	$ -	$ -	$ -	$ -	$ -	$ 2,500	$ -	$ -
			$ 1,534,228	**$ 1,226,859**			**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 307,370**	**$ -**	**$ -**
	75	**Fire**													
		Employee Services	$ 663,421	$ 24,873			$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 204,823	$ 433,725
		Operating	$ 171,830	$ 103,098			$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 34,366	$ 34,366
		Capital	$ 66,000	$ 39,600			$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 13,200	$ 13,200
			$ 901,251	**$ 167,571**			**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 252,389**	**$ 481,291**
	80	**Planning**													
		Employee Services	$ 241	$ 241			$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
		Operating	$ 57,500	$ 57,500			$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
		Capital	$ -	$ -			$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
			$ 57,741	**$ 57,741**			**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Table 3. Summary of 202302024 Operating Budget by Department and Fund.

Line #				1111 - GF	1222 GF Operating Reserves	1333 GF Capital Reserves	4111-Pool	4311 - Arena	2111 - Gas Tax	3111 - WWTP	3131 - Tertiary	8221 - CFD LL&D	9670 - CFD Restricted PD	9675 - CFD Restricted Fire	9613 - Measure M
	85	**Building**													
		Employee Services	$ 236,422	$ 226,869			$ -	$ -	$ -	$ 9,553	$ -	$ -	$ -	$ -	$ -
		Operating	$ 27,000	$ 27,000			$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
		Capital	$ -	$ -			$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
			$ 263,422	$ 253,869			$ -	$ -	$ -	$ 9,553	$ -	$ -	$ -	$ -	$ -
	90	**Engineering**													
		Employee Services	$ -	$ -			$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
		Operating	$ 160,000	$ 90,000			$ -	$ -	$ 25,000	$ 30,000	$ 15,000	$ -	$ -	$ -	$ -
		Capital	$ 155,000	$ -			$ -	$ -	$ -	$ -	$ 155,000	$ -	$ -	$ -	$ -
			$ 315,000	$ 90,000			$ -	$ -	$ 25,000	$ 30,000	$ 170,000	$ -	$ -	$ -	$ -
	92	**PW**													
		Employee Services	$ 446,184	$ 323,358			$ 21,144	$ 6,577	$ 75,326	$ 19,779	$ -	$ -	$ -	$ -	$ -
		Operating	$ 921,850	$ 199,650			$ 21,000	$ 4,700	$ 27,650	$ 393,250	$ 225,600	$ 50,000	$ -	$ -	$ -
		Capital	$ 531,306	$ 21,500			$ -	$ 26,277	$ 20,500	$ 463,029	$ -	$ -	$ -	$ -	$ -
			$ 1,899,340	$ 544,508			$ 42,144	$ 37,554	$ 123,476	$ 876,059	$ 225,600	$ 50,000	$ -	$ -	$ -
	94	**Citywide Services**													
		Employee Services	$ 60,000	$ 60,000			$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
		Operating	$ 403,445	$ 337,324			$ -	$ -	$ -	$ 66,121	$ -	$ -	$ -	$ -	$ -
		Capital	$ 2,500	$ 2,500			$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
			$ 465,945	$ 399,824			$ -	$ -	$ -	$ 66,121	$ -	$ -	$ -	$ -	$ -
		Employee Services	$ 2,309,003				$ 21,144	$ 6,577	$ 92,640	$ 127,599	$ -	$ -	$ 175,390	$ 209,644	$ 433,725
		Operating	$ 1,195,982				$ 21,000	$ 19,057	$ 68,235	$ 733,530	$ 240,600	$ 50,000	$ 144,006	$ 42,409	$ 34,366
		Capital	$ 68,600				$ -	$ 26,277	$ 20,500	$ 463,029	$ 155,000	$ -	$ 2,500	$ 13,200	$ 13,200
		TOTAL EXPENSES	$ 3,573,585				$ 42,144	$ 51,911	$ 181,375	$ 1,324,158	$ 395,600	$ 50,000	$ 321,896	$ 265,252	$ 481,291
2		**Projected June 30, 2024 Balance without moving to reserves**	$ 2,137,927	$ 187,269	$ 262,177				$ 1,024,721	$ 1,129,392	$ (1,137,287)	$ 153,135	$ 611,579	$ 622,595	$ 1,015,744
3		*Projected Balance after 5% for operating reserves*	$ 1,950,657												
		Projected Balance after 7% for capital reserves	$ 1,688,480												
4		*Rev over Exp*	$ 171,803						$ 215,758	$ (378,158)	$ (200,600)	$ 35,000	$ (91,896)	$ (141,118)	$ 217,926
		Less Pool	$ 129,659												
		Less Arena	$ 77,748												

Below are Department Summaries from the 2022-2023 fiscal year and anticipated objectives for the 2023-2024 fiscal year.

City Manager, Finance, & Human Resources

The City Manager's Office consists of staff who perform the central administrative, finance, and human resources functions of the city. Staff works with the City Council and all departments to add value to citywide operations through these general initiatives:

- ✓ Preparation of annual city budget
- ✓ Strategic planning and policy development
- ✓ Timely preparation of materials for City Council
- ✓ Support for businesses/community through efficient licensing process
- ✓ High-quality customer service interactions at City Hall
- ✓ Economic Development

Major 2022-23 Objectives

Briefly summarize department objectives for the next fiscal year:

- Hotel and retail businesses are under construction at Castle Oaks
- All Master Fees, Development Impact Fees and Wastewater Fees are updated
- Enact a Section 125 Plan.
- Create a new Employee Handbook.

Police

The Ione Police Department is a 24-hour municipal law enforcement agency that is responsible for providing public safety services to the community.

Major 2022-2023 Accomplishments

- Increased our community outreach by holding coffee with the Chief, National Night Out, C4K Fundraiser, and Ione Police Foundation fundraiser to supply equipment for the department.
- We filled all open full-time positions during the fiscal year.
- Coordinated active shooter training with the Amador County Sheriff's Office and ACUSD.
- Stronger relationships with internal departments. Unified command during Homecoming with police, fire, and public works.
- All personnel have attended mandatory training. Sgt Sgroi is attending SLI, a POST Leadership Program.
- Supplied ballistic vests and helmets to fire for active shooter situations.

Major 2023-24 Objectives

- New Police Facility.
- Continue to enhance training by offering more POST in-house training.
- Reduce traffic accidents through vehicle enforcement.
- Modernize department functions and processes.
- Additional training for Officers to better serve our community.

- Modernize property/evidence room and processes.
- Seek grants to help fund projects and initiatives in the Police Department.

Fire

The City of Ione Fire Department is a combination department that provides an all risk service to our city and surrounding communities and participates in the California Master Mutual Aid System. From community risk reduction (Fire Prevention), plan checks, state required and regular safety inspections, public education and outreach programs, our personnel are dedicated to an aggressive training program and strive to assure the city the highest levels of services and through their efforts our City has obtained a Class 1 ISO rating. *The Fire Fighters Association is a very active organization that holds fundraising events throughout the year to assist the City with funds to aid in needed purchases.

Major 2022-23 Accomplishments

- Obtaining a free OES wild land quick attack
- Securing thousands of dollars of COVID PPEs for free, thus assuring the safety of staff
- Replacement of our utility pick up – duty officer and obtaining a free SUV fully equipped as a 2nd command unit – New/used fire engine (500,000) for $4,000
- Hazard reduction programs for Howard Park and Wildflower wet land areas

Major 2023-24 Objectives

- Remodel and addition of Fire Station 1 with second floor and central heat and air
- Replace second staff vehicle
- Fill the vacant fourth Fire Apparatus Engineer position and attempt to hire one seasonal fire fighter for summer.
- Upgrade radio equipment – possible grant funding is pending
- CalFire 50/50 grant for personal protective clothing
- Send personnel to more outside training for required certifications to bring back and train in-house
- Continue hazard reduction – hazard mitigation in high fire danger areas (fuel reduction)
- Update City emergency response plan and train City staff for the Incident Command required area (ICS 100-200)

Public Works

The Public Works Department consists of staff who perform parks and facility maintenance, building inspection, code enforcement,

Major 2022-23 Accomplishments:

- Purchased and received a new street sweeper.
- Purchased two additional trucks.
- Hired additional full-time staff.
- Assisted with Ione Homecoming.
- Increased communication between departments.
- Internal Process improvement.

Major 2023-24 Objectives

Briefly summarize department objectives for the next fiscal year:

- Upgrade filters at Tertiary Plant.
- Continue to work on the Interconnect Project.
- Update WDR permit.
- Modernize public works work order process
- Increase staff training.
- Put out RFP for drought tolerant landscaping at Castle Oaks.
- Finish Train Depot project.
- Weed abatement.
- Shop expansion to add bathrooms.
- Increased involvement with WWTP operators and SSMP process.
- Sidewalk repairs.
- Stop bar painting.
- Implementation of mobile management asset system.
- Decreased water usage at all city facilities.

Information Technology

Information and Technology handle all computers, networks, phones, software, cellular phones, and other technology within the City of Ione.

Major 2022-23 Accomplishments

Briefly summarize department accomplishments for the prior fiscal year:

- Modernized city network infrastructure with new Meraki Firewalls
- Updated all city desktops with new computers (including fire and public works)
- Deployed network intrusion/virus software to the entire network
- Started upgrade to servers for wastewater
- Audited network for security concerns and corrected concerns
- Deployed new City website
- Deployed new city phone system

Major 2023-24 Objectives

Briefly summarize department objectives for the next fiscal year:

- Complete wastewater project
- Complete additional modules for the website (meetings manager)
- Conduct annual training for staff
- Draft and institute City technology policy

Capital Improvement Program

Staff is currently working with the City Engineer on development of an updated five-year capital improvement program schedule for consideration and adoption. As mentioned, this is required and critical to many facets of building and maintaining a strong local economy.

Policy Considerations

A Community Facilities District Committee has been meeting the last year to review the special services tax for Police and Fire Services. Their recommendation is to Their recommendation is to

maintain the current level of tax levy while we work through other policy discussions regarding the fund balance in those accounts. Staff concurs with this recommendation.

An Ad Hoc Budget Committee was formed by the City Council to review the Budget and make policy recommendations. After a thorough review of the Draft budget their recommendation is to set aside 5% of General Fund revenues into an Operating Reserve account and 7% into a Capital Reserve account. Their recommendation is incorporated as APPENDIX D.

SUMMARY

The City needs to ensure fiscal stability over the next three fiscal years. The Ad Hoc Budget Committee's recommendation is a first step in creating fiscal stability. Reducing utility costs will also be a significant factor for maintaining the health of the city's assets for the long term.

This year's objectives will be to reduce utility costs citywide and to complete previously started projects including: The Train Depot Park, wrap up issues relating to the Howard Park Master Plan and enter into agreements with various user groups, develop a Capital Improvement Plan, and associated funding sources, and establish programs for use of Community Development Block grant program funds we already have available. Additionally, staff will be working with the Economic Development Committee to explore additional revenue sources within our community.

And finally, recruitment for a permanent City Manager will also need to get underway. Staff anticipates this process will begin in mid September with a permanent placement expected the first part of 2024.

I would like to thank the City Council, Department Managers, and staff for their hard work and support while developing this budget. This is the first step in a number of wonderful things for this next fiscal year.

Respectfully,

AGedney
Amy Gedney
Interim City Manager

APPENDIX A:

Revenues

Revenues

		FY 19/20	FY 20/21	FY 21/22	FY 22/23		FY 23/24		FY24/25
		Actual	Actual	Actual	Budgeted	Projected YE	Proposed Budget	% chg over Projected YE	Projected
	GENERAL FUND								
	Beginning Cash Balance	**$ 26,208**	**$ 680,273**	**$ 1,455,196**	**$ 1,819,695**	**$ 1,819,695**	**$ 1,966,124**		
1111-41-4111	CURRENT SEC/UNSEC PROPERTY	$ 789,554	$ 931,048	$ 959,679		$ 1,075,708	$ 1,100,000	2%	*$ 1,116,500*
1111-41-4112	PROPERTY TAX IN LIEU OF VLF	$ 1,008,138	$ 1,120,227	$ 1,208,704		$ 1,378,560	$ 1,378,560	0%	*$ 1,378,560*
1111-41-4115	CURRENT SUPPLEMENTAL ROLL	$ 12,419	$ -	$ -		$ 22,083	$ 22,083	0%	
1111-41-4116	PRIOR SUPPLEMENTAL ROLL TAX	$ 5,126	$ 14,359	$ 8,436		$ 7,361	$ 10,000	26%	*$ 10,000*
1111-41-4131	SALES AND USE TAX	$ 225,558	$ 276,649	$ 283,976		$ 244,802	$ 265,000	8%	*$ 280,000*
1111-41-4151	TOT - TRANSIENT OCCUPANCY TAX	$ 435	$ 6,915	$ 5,485		$ 18,498	$ 19,000	3%	*$ 15,000*
1111-41-4161	FRANCHISE TAX	$ 106,610	$ 120,736	$ 145,968		$ -	$ -	0%	
	VOLCANO	$ 11,362	$ 11,260	$ 14,381		$ 20,000	$ 20,000	0%	*$ 15,000*
	PG&E	$ 52,501	$ 56,947	$ 60,732		$ 71,908	$ 72,000	0%	*$ 73,440*
	ACES	$ 42,747	$ 52,530	$ 70,855		$ 57,385	$ 58,000	1%	*$ 58,580*
1111-41-4165	BUSINESS LICENSE TAX	$ 14,619	$ 22,085	$ 21,325		$ 26,463	$ 28,000	5%	*$ 28,000*
1111-41-4171	REAL PROPERTY TRANSFER TAX	$ 33,037	$ 37,307	$ 66,663		$ 50,000	$ 50,000	0%	*$ 50,000*
1111-41-4172	SALES TAX PUBLIC SAFETY	$ 5,583	$ 213,990	$ 12,995		$ 12,379	$ 13,000	5%	*$ 13,000*
1111-42-4221	CONSTRUCTION PERMITS	$ 201,112	$ 330,092	$ 384,608		$ 249,617	$ 180,000	-39%	*$ 85,000*
1111-42-4222	ADJ-CA GOV CODE 66015 BLDG	$ -	$ -	$ -		$ -	$ -	0%	*$ -*
1111-42-4225	VACANT PROPERTY FEE	$ 170	$ -	$ 70		$ -	$ 100	100%	*$ -*
1111-42-4233	FIRE INSPECTION FEE	$ 1,926	$ 576	$ -		$ -	$ 250	100%	*$ 250*
1111-42-4235	ENCROACHMENT PERMIT	$ 910	$ 3,780	$ 1,350		$ 2,970	$ 3,500	15%	*$ 2,000*
1111-42-4242	BURN PERMIT FEE	$ 491	$ 432	$ 288		$ 415	$ 400	-4%	*$ -*
1111-42-4281	CONCEALED WEAPONS PERMITS	$ 1,354	$ 4,171	$ 2,960		$ 3,407	$ 2,500	-36%	*$ 2,500*
1111-43-4311	VEHICLE CODE FINES	$ 9,758	$ 2,313	$ 1,118		$ 1,426	$ 1,000	-43%	*$ 1,000*
1111-43-4312	VEHICLE RELEASE	$ -	$ -	$ -		$ 756	$ 500	-51%	*$ 500*
1111-43-4332	FINANCE CHARGES	$ 52	$ -	$ -		$ -	$ -	0%	*$ -*
1111-43-4333	COURT FINES	$ -	$ -	$ -		$ -	$ -	0%	*$ 500*
1111-43-4381	PARKING CITATION REVENUE	$ 1,078	$ 540	$ 1,000		$ 1,373	$ 1,000	-37%	*$ 1,000*
1111-44-4411	INVESTMENT INCOME	$ 26,152	$ (399)	$ (12,149)		$ 40,453	$ 39,000	-4%	*$ -*
1111-44-4421	RENTAL REVENUE	$ 11,059	$ 2,546	$ 29,796		$ 32,842	$ 38,000	14%	*$ 42,000*
1111-44-4431	GOLF COURSE LEASE	$ 37,000	$ -	$ 44,485		$ 40,000	$ 40,000	0%	*$ 40,000*
1111-45-4517	HOMEOWNERS PROPERTY TAX	$ 8,979	$ 9,514	$ 9,769		$ 10,295	$ 10,295	0%	*$ 5,000*
1111-45-4520	VEHICLE LICENSE FEE COLLECTION	$ 6,325	$ 5,873	$ -		$ 9,110	$ 9,200	1%	*$ 8,000*
1111-45-4560	GRANT REVENUE - STATE	$ -	$ -	$ -		$ -	$ -	0%	*$ -*
1111-45-4561	GRANT REVENUE	$ 100	$ 97,650	$ 56,203		$ 64,800	$ -	0%	*$ -*
1111-45-4574	COMMUNITY DEV BLOCK GRANT	$ -	$ 98,876	$ -		$ -	$ -	0%	*$ -*
1111-45-4576	GRANT REVENUE - COUNTY	$ -	$ -	$ -		$ -	$ -	0%	*$ -*
1111-45-4577	AB3229 (COPS) REVENUE	$ 358	$ -	$ -		$ 162,000	$ 162,000	0%	*$ 165,000*
1111-45-4578	OTHER GOVERNMENTAL AGENCIES	$ 1,103	$ 4,745	$ 1,350			$ -	0%	*$ -*
1111-45-4579	BUENA VISTA CASINO	$ 144,251	$ -	$ 100,000			$ -	0%	*$ -*
1111-45-4580	POST TRAINING	$ -	$ -	$ 25,704			$ -	0%	*$ -*
1111-45-4591	MISCELLANEOUS STATE REIMB	$ 358	$ -	$ -		$ -	$ -	0%	*$ -*
1111-46-4620	ADMINISTRATION FEES	$ -	$ -	$ 20,859		$ -		0%	*$ -*
1111-46-4621	PLAN CHECK FEES	$ 35,870	$ 160,209	$ 157,665		$ 98,029	$ 75,000	-31%	*$ 65,000*
1111-46-4622	PLANNING/ENGINEERING REIMB	$ 27,876	$ -	$ 48,174		$ -	$ 30,000	100%	*$ -*
1111-46-4626	DEVELOPER REIMBURSEMENT	$ 38,427	$ -	$ -		$ -		0%	*$ -*
1111-46-4641	BUILDING INSPECTION FEES	$ 6,426	$ 1,873	$ 377		$ 771	$ 1,000	23%	*$ 1,000*
1111-46-4642	PLANNING FEES	$ 17,034	$ 5,941	$ 7,516		$ 11,372	$ 8,500	-34%	*$ 8,500*
1111-46-4643	OTHER FEES	$ 65	$ -	$ -		$ -	$ -	0%	*$ -*
1111-46-4658	SPECIAL POLICE DEPT SERVICES	$ 9	$ -	$ -		$ -	$ -	0%	*$ -*
1111-46-4659	SALES OF AGENDAS & COPIES	$ -	$ -	$ -		$ -	$ -	0%	*$ -*
1111-46-4660	POLICE REPORT REVENUE	$ -	$ 428	$ 645		$ 1,404	$ 500	-181%	*$ 500*
1111-46-4671	SPECIAL FIRE DEPT SERVICES	$ -	$ 130,597	$ 289,457		$ 99,389	$ 100,000	1%	*$ 100,000*
1111-46-4674	LOCAL FIRE DEPLOYMENT	$ -	$ -	$ -		$ -	$ -	0%	*$ -*
1111-46-4676	RETURNED CHECK FEE	$ -	$ -	$ (10)		$ -	$ -	0%	*$ -*
1111-46-4677	SPECIAL POLICE DEPT SERVICES	$ 10,741	$ 146	$ -			$ -	0%	*$ -*
1111-46-4678	POLICE REPORT REVENUE	$ 756	$ -	$ -			$ -	0%	*$ -*
1111-47-4705	INSURANCE REIMBURSEMENTS	$ 7,231	$ 1,423	$ 21,280		$ 101,450	$ -	0%	*$ -*
1111-47-4790	DONATIONS	$ 1,500	$ -	$ -		$ -	$ -	0%	*$ -*
1111-47-4791	MISCELLANEOUS REIMBURSEMENTS	$ 11,482	$ 84,564	$ 107,826		$ 36,490	$ 3,500	-943%	*$ 3,500*
1111-47-4792	MISCELLANEOUS REVENUE	$ 130,694	$ 3,646	$ 21,402		$ 1,727	$ 3,500	51%	*$ 3,500*
1111-47-4798	CASH OVER / SHORT	$ 0	$ 1	$ (1)		$ -	$ -	0%	*$ -*
1111-49-4900	TRANSFERS IN	$ 502	$ -	$ 27,741		$ 127,741	$ -	0%	*$ -*
1111-49-4915	SURPLUS ITEMS SOLD	$ 1,841	$ -	$ -		$ 4,544	$ -	0%	*$ -*
1111-49-4949	TRANSFERS OUT	$ (375)	$ -	$ (75,382)		$ -	$ -	0%	*$ -*
	TOTAL OTHER FINANCING	$ 1,969	$ -	$ (47,641)		$ -	$ -	0%	*$ -*
	TRANSFERS IN - LOAN REPAYMENT						$ 27,741		
	TOTAL FUND REVENUE	**$ 3,052,274**	**$ 3,813,589**	**$ 4,085,661**	**$ 3,895,482**	**$ 4,087,528**	**$ 3,745,388**	-9%	**$ 3,572,830**
	GAS TAX								
	Beginning Cash Balance	**$ 16,688**	**$ 383,676**	**$ 605,407**	**$ 798,352**	**$ 909,616**	**$ 808,963**		
2111-44-4411	INVESTMENT INCOME	$ 3,872	$ 607	$ -	$ -	$ -	$ -	0%	
2111-45-4501	LTF	$ 89,862	$ 76,475	$ -	$ -	$ 87,974	$ -	0%	*$ -*
2111-45-4521	HUTF - GAS TAX	$ 183,186	$ 35,086	$ 12,313	$ 35,000	$ 35,000	$ 40,000	13%	*$ 41,000*
2111-45-4522	HUTF - GAS TAX 2107	$ -	$ 52,692	$ 49,519	$ 50,000	$ 50,000	$ 60,000	17%	*$ 60,000*
2111-45-4523	HUTF - GAS TAX 2107.5	$ -	$ 5,757	$ -	$ 5,500	$ 2,000	$ -	0%	*$ -*
2111-45-4524	HUTF - GAS TAX 2105	$ -	$ 43,312	$ 40,292	$ 36,000	$ 42,540	$ 44,000	3%	*$ 44,000*
2111-45-4525	HUTF - GAS TAX 2103	$ -	$ 43,557	$ 58,649	$ 48,000	$ 60,300	$ 62,000	3%	*$ 62,000*
2111-45-4526	HUTF - GAS TAX	$ -	$ 5,952	$ 23,612	$ 25,000	$ -	$ -	0%	*$ -*
2111-45-4531	RMRA - SB-1 GAS TAX	$ 138,403	$ 132,573	$ 160,618	$ 132,000	$ 161,821	$ 185,000	13%	*$ 203,500*
2111-45-4551	TRAFFIC CONGESTION RELIEF	$ 10,487	$ -	$ -	$ -	$ -		0%	*$ -*
2111-46-4677	CALTRANS - STREET CLEANING	$ 6,133	$ 6,133	$ 4,600	$ -	$ 4,599	$ 6,133	25%	*$ 6,200*
	TRANSFERS IN - LOAN REPAYMENT						$ 10,108		*$ 10,108*
	TOTAL FUND REVENUE	**$ 431,943**	**$ 402,145**	**$ 349,601**	**$ 331,500**	**$ 444,234**	**$ 397,133**	-12%	*$ 426,808*

		FY 19/20	FY 20/21	FY 21/22	FY 22/23		FY 23/24		*FY24/25*
		Actual	**Actual**	**Actual**	**Budgeted**	**Projected YE**	**Proposed Budget**	**% chg over Projected YE**	***Projected***
	WWTP								
	Beginning Cash Balance						***$ 1,507,550***		
3111-48-4805	SEWER SERVICE CHARGES	$ 848,983	$ 874,735	$ 901,108	$ 852,000	$ 925,000	$ 912,000	-1%	
3111-48-4820	ADMINISTRATION FEES	$ 4,010	$ -	$ -	$ -		$ -	0%	
3111-48-4821	RETURNED CHECK CHARGES	$ 60	$ -	$ -	$ -		$ -	0%	
3111-48-4824	MISCELLANEOUS REVENUE	$ 276	$ 35	$ 140	$ -		$ -	0%	
3111-48-4840	SEWER DELINQUENT CHARGES	$ 14,374	$ 34,824	$ 38,746	$ 15,000	$ 15,000	$ 34,000	56%	
3111-48-4841	INVESTMENT INCOME	$ -	$ 2,622	$ -	$ -		$ -	0%	
	TOTAL SEWER REVENUES	**$ 867,703**	**$ 912,216**	**$ 939,993**	**$ 867,000**	**$ 940,000**	**$ 946,000**	1%	
						"10,251 is a loan; 181,970 is ARPA $"			
	TERTIARY PLANT								
	Beginning Cash Balance	***$ (419,296)***	***$ (537,166)***	***$ (660,995)***	***$ (675,973)***		***$ (936,687)***	0%	
3131-48-4810	TERTIARY PLANT	$ 213,477	$ 177,970	$ 105,977	$ 105,977	$ 25,000	$ 125,000	80%	
3131-48-4812	TERTIARY PLANT PORTLOCK	$ -	$ 52,500	$ 48,533	$ 70,000	$ 70,000	$ 70,000	0%	
	TRANSFERS IN LOAN REPAYMENT						$ 14,357		
	TOTAL TERTIARY PLANT REVENUES	**$ 213,477**	**$ 230,470**	**$ 154,510**	**$ 175,977**	**$ 95,000**	**$ 195,000**	51%	
	ED HUGHES MEMORIAL ARENA								
	Beginning Cash Balance	***$ -***	***$ -***	***$ -***	***$ -***			0%	
4311-44-4420	RENTAL REVENUE - MAJOR EVENTS	$ -	$ -	$ -	$ -			0%	
4311-44-4421	RENTAL REVENUE - MINOR EVENTS	$ -	$ -	$ -	$ -			0%	
4311-47-4792	MISCELLANEOUS REVENUE	$ -	$ -	$ -	$ -			0%	
	TOTAL FUND REVENUE	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	0%	
	LIGHTING & LANDSCAPE DIST. 1 C								
	Beginning Cash Balance	***$ -***	***$ 63,121***	***$ 83,456***	***$ 110,675***		***$ 118,135***		
8221-40-4666	Imp area 3	$ 67,422	$ 72,476	$ 85,244	$ 72,500	$ 85,000	$ 85,000	0%	
8221-44-4411	INTEREST EARNED	$ -	$ 41	$ -	$ -			0%	
8221-46-4662	CFD LL ASSESSEMENTS REVENUES	$ -	$ 347	$ -	$ -			0%	
8221-46-4666	DIST 1 COIS REVENUES	$ -	$ 131	$ -	$ -			0%	
8221-49-4949	TRANSFERS OUT	$ -	$ -	$ -	$ -			0%	
	TOTAL FUND REVENUE	**$ 67,422**	**$ 72,994**	**$ 85,244**	**$ 72,500**	**$ 85,000**	**$ 85,000**	0%	
	MEASURE M (FIRE)								
	Beginning Cash Balance						***$ 797,818***		
9613-46-4674	LOCAL FIRE DEPLOYMENT	$ 11,794	$ 157,013	$ 112,722	$ -		$ 85,000	100%	
9613-41-4135	SALES TAX FIRE						$ 600,000		
9613-48-4900	TRANSFERS IN LOAN REPAYMENT	$ -	$ -	$ 14,217	$ 14,217		$ 14,217	100%	
	TOTAL FUND REVENUE	**$ 411,667**	**$ 618,225**	**$ 734,236**	**$ 614,217**		**$ 699,217**	100%	
	RESTRICTIRED - CFD POLICE FUND								
	Beginning Cash Balance	***$ 346,107***	***$ 685,040***	***$ 602,820***	***$ 679,552***		***$ 703,475***	0%	
9670-40-4655	SPECIAL ASSESSMENTS-PD	$ -	$ -	$ 235,526	$ -		$ 230,000	0%	
	TOTAL FUND REVENUE	**$ -**	**$ -**	**$ 235,526**	**$ -**		**$ 230,000**	0%	
	RESTRICTED - CFD FIRE FUND								
	Beginning Cash Balance	***$ 200,140***	***$ 379,004***	***$ 450,542***	***$ 607,296***		***$ 763,713***	0%	
9675-40-4665	SPECIAL ASSESSMENTS-FIRE	$ 91,501	$ 106,155	$ 116,734	$ -	$ 116,734	$ 116,734	0%	
9675-44-4411	INTEREST EARNED	$ -	$ 310	$ -	$ -		$ -	0%	
9675-44-4456	FIRE APPARATUS RENTAL	$ -	$ -	$ -	$ -		$ -	0%	
9675-45-4501	MISCELLANEOUS REVENUE	$ 28	$ 10	$ 777	$ -		$ -	0%	
9675-45-4570	BUENA VISTA CASINO	$ -	$ -	$ -	$ -		$ -	0%	
9675-46-4669	FIRE SPRINKLER INSPECTIONS	$ 1,656	$ 7,416	$ 9,000	$ 7,400		$ 7,400	0%	
9675-46-4671	SPECIAL FIRE DEPT SERVICES	$ 6,274	$ 14,454	$ 18,000	$ 14,000		$ -	0%	
9675-46-4673	LOCAL FIRE DEPLOYMT-	$ -	$ -	$ -	$ -		$ -	0%	
9675-46-4674	LOCAL FIRE DEPLOYMENT	$ -	$ -	$ -	$ -		$ -	0%	
9675-47-4790	DONATIONS	$ 42,750	$ -	$ 12,429	$ -		$ -	0%	
	TOTAL FUND REVENUE	**$ 142,209**	**$ 128,345**	**$ 156,939**	**$ 21,400**		**$ 124,134**	0%	

APPENDIX B:

Salary Schedule

City of IONE California
The Castle City, Gateway to the Motherlode

Adopted:	XX/XX/2023
Resolution:	2023-XX
Approval Date:	8/1/2023
Effective Date:	7/1/2023

FY 2023-24 Salary Schedule

Position Title		Step 1	Step 2	Step 3	Step 4	Step 5
Account Clerk	Annual	$ 50,960.00	$ 53,508.00	$ 56,183.40	$ 58,992.57	$ 61,942.20
	Monthly	$ 4,246.67	$ 4,459.00	$ 4,681.95	$ 4,916.05	$ 5,161.85
	Bi-Weekly	$ 1,960.00	$ 2,058.00	$ 2,160.90	$ 2,268.95	$ 2,382.39
	Hourly	$ 24.50	$ 25.73	$ 27.01	$ 28.36	$ 29.78
Administrative Analyst I	Annual	$ 64,404.00	$ 67,624.20	$ 71,005.41	$ 74,555.68	$ 78,283.46
	Monthly	$ 5,367.00	$ 5,635.35	$ 5,917.12	$ 6,212.97	$ 6,523.62
	Bi-Weekly	$ 2,477.08	$ 2,600.93	$ 2,730.98	$ 2,867.53	$ 3,010.90
	Hourly	$ 30.96	$ 32.51	$ 34.14	$ 35.84	$ 37.64
Administrative Analyst II	Annual	$ 67,624.00	$ 71,005.20	$ 74,555.46	$ 78,283.23	$ 82,197.39
	Monthly	$ 5,635.33	$ 5,917.10	$ 6,212.96	$ 6,523.60	$ 6,849.78
	Bi-Weekly	$ 2,600.92	$ 2,730.97	$ 2,867.52	$ 3,010.89	$ 3,161.44
	Hourly	$ 32.51	$ 34.14	$ 35.84	$ 37.64	$ 39.52
Administrative Analyst III	Annual	$ 71,005.00	$ 74,555.25	$ 78,283.01	$ 82,197.16	$ 86,307.02
	Monthly	$ 5,917.08	$ 6,212.94	$ 6,523.58	$ 6,849.76	$ 7,192.25
	Bi-Weekly	$ 2,730.96	$ 2,867.51	$ 3,010.89	$ 3,161.43	$ 3,319.50
	Hourly	$ 34.14	$ 35.84	$ 37.64	$ 39.52	$ 41.49
Administrative Analyst (PD Extra Helppar	Hourly	$ 27.00	$ 28.35	$ 29.77	$ 31.26	$ 32.82
Administrative Assistant	Annual	$ 57,616.00	$ 60,496.80	$ 63,521.64	$ 66,697.72	$ 70,032.61
adjusted for alignment	Monthly	$ 4,801.33	$ 5,041.40	$ 5,293.47	$ 5,558.14	$ 5,836.05
	Bi-Weekly	$ 2,216.00	$ 2,326.80	$ 2,443.14	$ 2,565.30	$ 2,693.56
	Hourly	$ 27.70	$ 29.09	$ 30.54	$ 32.07	$ 33.67
Assistant Fire Chief (stipend)	Annual					$ 4,348.26
	Monthly					$ 362.36
	Bi-Weekly					
	Hourly					
Building Official/ Code Enforcement	Annual	$ 74,900.00	$ 78,645.00	$ 82,577.25	$ 86,706.11	$ 91,041.42
Officer	Monthly	$ 6,241.67	$ 6,553.75	$ 6,881.44	$ 7,225.51	$ 7,586.78
	Bi-Weekly	$ 2,880.77	$ 3,024.81	$ 3,176.05	$ 3,334.85	$ 3,501.59
	Hourly	$ 36.01	$ 37.81	$ 39.70	$ 41.69	$ 43.77
City Council (elected)	Annual					$ 2,400.00
	Monthly					$ 200.00
City Manager (contract)	Annual	$ 135,000.00				$ 160,000.00
	Monthly	$ 11,250.00				$ 13,333.33
	Bi-Weekly	$ 5,192.31				$ 6,153.85
	Hourly	$ 64.90				$ 76.92
City Treasurer (elected)	Annual					$ 2,400.00
	Monthly					$ 200.00
Clerk of the City Council (elected)	Annual					$ 2,400.00
	Monthly					$ 200.00
Finance Manager	Annual	$ 88,400.83	$ 92,820.87	$ 97,461.92	$ 102,335.01	$ 107,451.76
	Monthly	$ 7,366.74	$ 7,735.07	$ 8,121.83	$ 8,527.92	$ 8,954.31
	Bi-Weekly	$ 3,400.03	$ 3,570.03	$ 3,748.54	$ 3,935.96	$ 4,132.76
	Hourly	$ 42.50	$ 44.63	$ 46.86	$ 49.20	$ 51.66
Fire Captain (stipend)	Annual					$ 1,863.54
	Monthly					$ 155.30
	Bi-Weekly					
	Hourly					

Fire Chief (stipend)	Annual					$ 24,000.00
increased to 2500/month from 1000	Monthly					$ 2,000.00
	Bi-Weekly					
	Hourly					
Fire Engineer - Probationary	Annual	$ 52,416.00	$ 55,036.80	$ 57,788.64	$ 60,678.07	$ 63,711.98
	Monthly	$ 4,368.00	$ 4,586.40	$ 4,815.72	$ 5,056.51	$ 5,309.33
	Bi-Weekly	$ 2,016.00	$ 2,116.80	$ 2,222.64	$ 2,333.77	$ 2,450.46
	Hourly	$ 18.00	$ 18.90	$ 19.85	$ 20.84	$ 21.88
Fire Engineer - Non-Probationary	Annual	$ 63,711.98	$ 66,897.57	$ 70,242.45	$ 73,754.58	$ 77,442.30
	Monthly	$ 5,309.33	$ 5,574.80	$ 5,853.54	$ 6,146.21	$ 6,453.53
	Bi-Weekly	$ 2,450.46	$ 2,572.98	$ 2,701.63	$ 2,836.71	$ 2,978.55
	Hourly	$ 21.88	$ 22.97	$ 24.12	$ 25.33	$ 26.59
Fire Fighter (Paid Call/Stipend)	Daily Rate					$ 100.00
Fire Marshall (stipend)	Annual					$ 24,000.00
	Monthly					$ 2,000.00
Maintenance Worker I	Annual	$ 41,288.00	$ 43,352.40	$ 45,520.02	$ 47,796.02	$ 50,185.82
Adjusted step 1	Monthly	$ 3,440.67	$ 3,612.70	$ 3,793.34	$ 3,983.00	$ 4,182.15
	Bi-Weekly	$ 1,588.00	$ 1,667.40	$ 1,750.77	$ 1,838.31	$ 1,930.22
	Hourly	$ 19.85	$ 20.84	$ 21.88	$ 22.98	$ 24.13
Maintenance Worker II	Annual	$ 52,695.11	$ 55,329.87	$ 58,096.36	$ 61,001.18	$ 64,051.24
Adjusted step 1	Monthly	$ 4,391.26	$ 4,610.82	$ 4,841.36	$ 5,083.43	$ 5,337.60
	Bi-Weekly	$ 2,026.74	$ 2,128.07	$ 2,234.48	$ 2,346.20	$ 2,463.51
	Hourly	$ 25.33	$ 26.60	$ 27.93	$ 29.33	$ 30.79
Police Chief	Annual	$ 126,880.00	$ 133,224.00	$ 139,885.20	$ 146,879.46	$ 154,223.43
Adjusted step 1	Monthly	$ 10,573.33	$ 11,102.00	$ 11,657.10	$ 12,239.96	$ 12,851.95
	Bi-Weekly	$ 4,880.00	$ 5,124.00	$ 5,380.20	$ 5,649.21	$ 5,931.67
	Hourly	$ 61.00	$ 64.05	$ 67.25	$ 70.62	$ 74.15
Police Officer (per MOU)	Annual	$ 64,937.60	$ 68,184.48	$ 71,593.70	$ 75,173.39	$ 78,932.06
updated per contract 2%	Monthly	$ 5,411.47	$ 5,682.04	$ 5,966.14	$ 6,264.45	$ 6,577.67
	Bi-Weekly	$ 2,497.60	$ 2,622.48	$ 2,753.60	$ 2,891.28	$ 3,035.85
	Hourly	$ 31.22	$ 32.78	$ 34.42	$ 36.14	$ 37.95
Police Sergeant (per MOU)	Annual	$ 78,936.00	$ 82,882.80	$ 87,026.94	$ 91,378.29	$ 95,947.20
	Monthly	$ 6,578.00	$ 6,906.90	$ 7,252.25	$ 7,614.86	$ 7,995.60
	Bi-Weekly	$ 3,036.00	$ 3,187.80	$ 3,347.19	$ 3,514.55	$ 3,690.28
	Hourly	$ 37.95	$ 39.85	$ 41.84	$ 43.93	$ 46.13
Police Trainee (per MOU)	Annual	$ 49,920.00	$ 52,416.00	$ 55,036.80	$ 57,788.64	$ 60,678.07
	Monthly	$ 4,160.00	$ 4,368.00	$ 4,586.40	$ 4,815.72	$ 5,056.51
	Bi-Weekly	$ 1,920.00	$ 2,016.00	$ 2,116.80	$ 2,222.64	$ 2,333.77
	Hourly	$ 24.00	$ 25.20	$ 26.46	$ 27.78	$ 29.17
Public Works Superintendent	Annual	$ 74,900.80	$ 78,645.84	$ 82,578.13	$ 86,707.04	$ 91,042.39
	Monthly	$ 6,241.73	$ 6,553.82	$ 6,881.51	$ 7,225.59	$ 7,586.87
	Bi-Weekly	$ 2,880.80	$ 3,024.84	$ 3,176.08	$ 3,334.89	$ 3,501.63
	Hourly	$ 36.01	$ 37.81	$ 39.70	$ 41.69	$ 43.77
Temporary/Seasonal	Hourly	$ 16.00				

APPENDIX C:

Department Summaries

APPENDIX C: City Council

		YTD 22/23			F Y 23/24 Budget
	Department	**Budgeted**	**YTD as of May 4, 2023**	**Projected YE**	**Proposed Budget**
60	**CITY COUNCIL**				
	City Council Employee Services				
	STIPEND - ELECTED	$ 10,320	$ 6,966	$ 10,320	$ 12,000
	MEDICARE EXPENSE	$ 151	$ 101	$ 101	$ 174
	SOCIAL SECURITY EXPENSE	$ 641	$ 432	$ 500	$ 744
	CALIF SUI & ETT	$ 486	$ 195	$ 250	$ 565
	WORKERS COMP				$ 1,000
	Total City Council Employee Services	**$ 11,598**	**$ 7,694**	**$ 11,171**	**$ 14,483**
	City Council Operating				
	SERVICES & SUPPLIES	$ -	$ -	$ -	$ -
6111	OFFICE EXPENSE	$ -	$ -	$ -	$ -
6122	TRAINING	$ 2,000	$ 1,808	$ 1,807	$ 10,000
	COMMUNICATIONS				$ 2,500
	ADVERTISING	$ -	$ -	$ -	$ -
	SOFTWARE/COMPUTER UPGRADES	$ -	$ -	$ -	$ -
6240	MEMBERSHIPS AND DUES	$ -	$ -	$ -	$ -
6250	TRAVEL, CONFERENCES & MEETINGS	$ 3,000	$ 4,191	$ 4,191	$ 5,500
	Total City Council Operations	**$ 16,598**	**$ 5,999**	**$ 24,149**	**$ 18,000**
	TOTAL CITY COUNCIL OPERATIONS	**$ 28,196**	**$ 13,693**	**$ 35,320**	**$ 32,483**

Notes:
Communications are for city issued cell phones.

APPENDIX C: City Clerk

		YTD 22/23			F Y 23/24 Budget
	Department	Budgeted	YTD as of May 4, 2023	Projected YE	Proposed Budget
62	**CITY CLERK**				
	City Clerk Employee				
5120	STIPEND - ELECTED	$ 24,000	$ 14,020	$ 26,400	$ 26,400
5215	MEDICARE EXPENSE	$ 383	$ 2,458	$ 2,600	$ 383
5216	SOCIAL SECURITY	$ 1,637	$ 1,105	$ -	$ 1,637
5218	CALIF SUI & ETT	$ 113	$ 152	$ -	$ 329
	WORKERS COMP				$ 2,201
	Total Employee Services	**$ 26,133**	**$ 17,735**	**$ 29,000**	**$ 30,949**
	City Clerk Operating				
6111	OFFICE EXPENSE	$ -	$ -	$ -	$ 6,000
6120	SPECIAL	$ 6,000	$ 5,697	$ 6,000	$ -
6122	TRAINING	$ -	$ -	$ -	$ -
6166	SOFTWARE PROGRAMS	$ -	$ -	$ -	$ -
6215	PROF & SPEC SERV. -	$ 4,500	$ 275	$ -	$ 4,500
6240	MEMBERSHIPS AND	$ -	$ -	$ -	$ 925
6250	TRAVEL,	$ 925	$ -	$ -	$ -
	Total Operating	**$ 11,425**	**$ 5,972**	**$ 6,000**	**$ 11,425**
	TOTAL CITY CLERK	**$ 37,558**	**$ 23,707**	**$ 35,000**	**$ 35,132**

APPENDIX C: City Treasurer

		YTD 22/23			F Y 23/24 Budget	
		Budgeted	**YTD as of May 4, 2023**	**Projected YE**	**Proposed Budget**	**& chg**
	CITY TREASURER					
	Employee Services					
5110	SALARIES & WAGES REG	$ 2,400.00	$ 1,220.00		$ -	0%
5120	STIPEND - ELECTED	$ 35.00	$ 17.69	$ 2,400.00	$ 2,400.00	0%
5211	FRINGE BENEFITS	$ -	$ -	$ -	$ -	0%
5215	MEDICARE EXPENSE	$ 149.00	$ 75.64	$ 160.00	$ 34.80	-357%
5216	SOCIAL SECURITY	$ -	$ -	$ -	$ 148.80	100%
5218	CALIF SUI & ETT	$ 113.00	$ 9.20	$ 15.00	$ 113.00	87%
	WORKERS COMP	$ 200.06			$ 200.06	
	Total Employee Services	**$ 2,697.00**	**$ 1,322.53**	**$ 2,575.00**	**$ 2,896.66**	
			Fund			
	City Treasurer Operating		Fund			
6111	OFFICE EXPENSE	$ -	$ -	$ -	$ -	0%
6120	SPECIAL DEPARTMENTAL	$ 100.00	$ -	$ -	$ -	0%
6122	TRAINING	$ -	$ -	$ -	$ -	0%
6166	SOFTWARE PROGRAMS	$ -	$ -	$ -	$ -	0%
6210	PROF & SPEC SERV. -	$ 100.00	$ -	$ -	$ -	0%
6250	TRAVEL, CONFERENCES	$ -	$ -	$ -	$ -	0%
	Total City Treasurer	**$ 200.00**				
	TOTAL CITY	**$ 2,897.00**	**$ 1,322.53**	**$ 2,575.00**	**$ 2,732.00**	

APPENDIX C: Administration - City Manager, Finance, Human Resources

ADMINISTRATION

TOTAL Department Budget

65	ADMINISTRATION	F Y 23/24 Budget Proposed Budget
	Administration Employee Services	
5110	SALARIES & WAGES REG EMPLOYEES	$ 443,519
	OVERTIME EXPENSE	$ -
5211	HEALTH INSURANCE-ER	$ 97,560
5213	PERS RETIREMENT	$ 48,122
5215	MEDICARE EXPENSE	$ 6,431
5216	SOCIAL SECURITY EXPENSE	$ 24,504
5218	CALIF SUI & ETT	$ 1,944
	WORKERS COMP	$ 16,012
	VACATION CASHOUT	
	CALPERS UNFUNDED LIABILITY	$ 53,034
	Total Employee Services	**$691,126**
	Administration Operating	**$ 1**
6111	OFFICE EXPENSE	$ 950
6120	SPECIAL DEPARTMENTAL EXPENSE	$ 3,500
6122	TRAINING	$ 6,000
6160	COMMUNICATIONS	$ 3,800
6166	SOFTWARE PROGRAMS	$ 27,000
	IT SERVICES	$ 8,000
	HARDWARE	$ 1,600
	UTILITIES	$ 20,000
	MAINT & OPERATIONS - EQUIPMENT	$ 5,000
6211	PROF SERVICES	$ 55,000
6215	PROF & SPEC SERV. - OTHER	$ 12,000
	OTHER CONTRACTUAL SERVICES	$ 12,000
6240	MEMBERSHIPS AND DUES	$ 3,000
6250	TRAVEL, CONFERENCES & MEETINGS	$ 3,000
9271	i-Bank Loan	
	Total Operating	**$160,850**
	TOTAL ADMINISTRATION	**$851,976**

Budget by Fund

65	ADMINISTRATION	General Fund 1111 F Y 23/24 Budget Proposed Budget	ARENA F Y 23/24 Budget Proposed Budget	Gas Tax 2111 F Y 23/24 Budget Proposed Budget	WWTP 3111 F Y 23/24 Budget Proposed Budget	Tertiary 3131 F Y 23/24 Budget Proposed Budget	Restricted PD 9670 F Y 23/24 Budget Proposed Budget	Restricted FD 9675 F Y 23/24 Budget Proposed Budget
	Administration Employee Services							
5110	SALARIES & WAGES REG EMPLOYEES	$ 360,954		$ 12,103	$ 63,028	$ -	$ 4,183	$ 3,252
	OVERTIME EXPENSE	$ -		$ -	$ -	$ -	$ -	$ -
5211	HEALTH INSURANCE-ER	$ 71,176		$ 2,214	$ 22,140	$ -	$ 1,230	$ 800
5213	PERS RETIREMENT	$ 39,163		$ 1,313	$ 6,839	$ -	$ 454	$ 353
5215	MEDICARE EXPENSE	$ 5,234		$ 175	$ 914	$ -	$ 61	$ 47
5216	SOCIAL SECURITY EXPENSE	$ 22,379		$ 750	$ 914	$ -	$ 259	$ 202
5218	CALIF SUI & ETT	$ 1,428		$ 44	$ 444	$ -	$ 25	$ 2
	WORKERS COMP	$ 13,127		$ 440	$ 2,292	$ -	$ 152	$ -
	VACATION CASHOUT	$ 7,705		$ 273	$ 1,695		$ 121	$ 165
	CALPERS UNFUNDED LIABILITY	$ 53,034		$ -	$ -	$ -	$ -	$ -
	Total Employee Services	**$574,201**	**$-**	**$17,314**	**$98,266**	**$-**	**$6,484**	**$4,821**
	Administration Operating	**60%**		**10%**	**20%**	**0%**	**5%**	**5%**
6111	OFFICE EXPENSE	$ 570		$ 95	$ 190	$ -	$ 48	$ 48
6120	SPECIAL DEPARTMENTAL EXPENSE	$ 2,100		$ 350	$ 700	$ -	$ 175	$ 175
6122	TRAINING	$ 3,600		$ 600	$ 1,200	$ -	$ 300	$ 300
6160	COMMUNICATIONS	$ 2,280		$ 380	$ 760	$ -	$ 190	$ 190
6166	SOFTWARE PROGRAMS	$ 16,200		$ 2,700	$ 5,400	$ -	$ 1,350	$ 1,350
		$ 4,800		$ 800	$ 1,600	$ -	$ 400	$ 400
		$ 960		$ 160	$ 320	$ -	$ 80	$ 80
	UTILITIES	$ 12,000		$ 2,000	$ 4,000	$ -	$ 1,000	$ 1,000
	MAINT & OPERATIONS - EQUIPMENT	$ 5,000		$ -	$ 1,000	$ -	$ 250	$ 250
6211	PROF SERVICES -	$ 33,000		$ 5,500	$ 20,000	$ -	$ 2,750	$ 2,750
6215	PROF & SPEC SERV. - OTHER	$ 7,200		$ 1,200	$ 2,400	$ -	$ 600	$ 600
	OTHER CONTRACTUAL SERVICES	$ 7,200		$ 1,200	$ 2,400	$ -	$ 600	$ 600
6240	MEMBERSHIPS AND DUES	$ 1,800		$ 300	$ 600	$ -	$ 150	$ 150
6250	TRAVEL, CONFERENCES & MEETINGS	$ 1,800		$ 300	$ 600	$ -	$ 150	$ 150
9271	i-Bank Loan				$ 157,989			
	interfund loan repayments	$ 62,566	$ 14,357					
	Total Operating	**$161,076**	**$14,357**	**$15,585**	**$199,159**	**$-**	**$8,043**	**$8,043**
	Total	**$735,277**	**$14,357**	**$32,899**	**$297,425**	**$-**	**$14,526**	**$12,863**
	NOTES:	Audit, Prof Serv Contract assistance HR		Audit Contract assistance	Sewer Rate Study Contract assistance		CFD admin class DTA	DTA Contract assistance

APPENDIX C: Legal

LEGAL

Total Department Budget

68	LEGAL	FY 23/BUDGET Projected YE	Proposed Budget
6210	PROF & SPEC	$ 120,000.00	$ 24,000.00
6212	PROF SERVICES-	$ -	$ 12,000.00
6221	PROF SERVICES-	$ 250,000.00	$ 45,000.00
	TOTAL LEGAL	**$ 370,000.00**	**$ 81,000.00**

This is a contract service on as as needed basis.

Budget by Fund

68	LEGAL	General Fund F Y 23/24 Budget Proposed Budget	WWTP F Y 23/24 Budget Proposed Budget
6210	PROF & SPEC SERVICES-	$ 24,000.00	$ -
6212	PROF SERVICES-HUMAN	$ 12,000.00	$ -
6221	PROF SERVICES-	$ -	$ 45,000.00
	TOTAL LEGAL	**$ 36,000.00**	**$ 45,000.00**

APPENDIX C: Police

POLICE

TOTAL Department Budget

		FY 23/24 Budget
70	POLICE	Proposed Budget
	Police Employee Services	
5110	SALARIES & WAGES REG EMPLOYEES	$ 750,143
5130	OVERTIME EXPENSE	$ 24,997
5211	HEALTH INSURANCE-ER	$ 131,200
5213	PERS RETIREMENT	$ 106,382
5215	MEDICARE EXPENSE	$ 11,240
5216	SOCIAL SECURITY EXPENSE	$ 48,059
5218	CALIF SUI & ETT	$ 3,290
5219	TUITION REIMBURSEMENT	$ -
5220	WORKERS COMP	$ 25,341
	VACATION CASHOUT	$ 15,422
5224	UNIFORM ALLOWANCE	$ 10,400
5298	CALPERS UNFUNDED LIABILITY	$ 98,114
	Total Employee Services	**$ 1,224,587**
	Police Operating	
6111	OFFICE EXPENSE	$ 2,500
6119	SAFETY EQUIPMENT	$ 10,000
6120	SPECIAL DEPARTMENTAL EXPENSE	$ 4,500
6121	TRAINING SUPPLIES	$ 4,500
6122	TRAINING	$ 5,000
6123	STAFF RECRUITMENT	$ 1,000
6127	VOLUNTEER SUPPLIES	$ 500
6140	CLOTHING / UNIFORM-NON-PAYROLL	$ 500
6160	COMMUNICATIONS	$ 12,270
6163	IT SERVICES	$ 8,000
6165	IT/NETWORK SERVICES	$ -
6166	SOFTWARE PROGRAMS	$ 1,506
	HARDWARE	$ 1,600
	UTILITIES	$ 10,265
6190	MAINT OF BLDGS, STRUCT, GROUND	$ -
6201	FUEL	$ 25,000
6202	MAINT & OPERATIONS - VEHICLES	$ 12,000
6203	MAINT & OPERATIONS - EQUIPMENT	$ -
6215	PROF & SPEC SERV. - OTHER	$ -
6220	OTHER CONTRACTUAL SERVICES	$ 200,000
6240	MEMBERSHIPS AND DUES	$ 500
6250	TRAVEL, CONFERENCES & MEETINGS	$ 2,500
	Total Operating	**$ 302,141**
	Capital	
8814	CAPITAL EXP - EQUIPMENT	$ 5,000
9261	MISCELLANEOUS EXPENSE	$ -
	Total Capital	**$ 5,000**
	TOTAL POLICE	**$ 1,531,728**

Budget by Fund

		General Fund 1111	Restricted PD 9670
		FY 23/24 Budget	FY 23/24 Budget
70	POLICE	Proposed Budget	Proposed Budget
	Police Employee Services		
5110	SALARIES & WAGES REG EMPLOYEES	$ 660,731	$ 89,412
5130	OVERTIME EXPENSE	$ 21,247	$ 3,750
5211	HEALTH INSURANCE-ER	$ 113,980	$ 17,220
5213	PERS RETIREMENT	$ 93,265	$ 13,116
5215	MEDICARE EXPENSE	$ 9,889	$ 1,351
5216	SOCIAL SECURITY EXPENSE	$ 42,283	$ 5,776
5218	CALIF SUI & ETT	$ 2,895	$ 395
5219	TUITION REIMBURSEMENT	$ -	$ -
5220	WORKERS COMP	$ 22,380	$ 2,961
	VACATION CASHOUT	$ 13,683	$ 1,740
5224	UNIFORM ALLOWANCE	$ 9,035	$ 1,365
5298	CALPERS UNFUNDED LIABILITY	$ 66,293	$ 31,821
	Total Employee Services	**$ 1,055,681**	**$ 168,906**
	Police Operating	55%	45%
6111	OFFICE EXPENSE	$ 1,375	$ 1,125
6119	SAFETY EQUIPMENT	$ 5,500	$ 4,500
6120	SPECIAL DEPARTMENTAL EXPENSE	$ 2,475	$ 2,025
6121	TRAINING SUPPLIES	$ 2,475	$ 2,025
6122	TRAINING	$ 2,750	$ 2,250
6123	STAFF RECRUITMENT	$ 550	$ 450
6127	VOLUNTEER SUPPLIES	$ 275	$ 225
6140	CLOTHING / UNIFORM-NON-PAYROLL	$ 275	$ 225
6160	COMMUNICATIONS	$ 6,749	$ 5,522
6163	IT SERVICES	$ 4,400	$ 3,600
6165	IT/NETWORK SERVICES	$ -	$ -
6166	SOFTWARE PROGRAMS	$ 828	$ 678
	HARDWARE	$ 880	$ 720
	UTILITIES	$ 5,646	$ 4,619
6190	MAINT OF BLDGS, STRUCT, GROUND	$ -	$ -
6201	FUEL	$ 13,750	$ 11,250
6202	MAINT & OPERATIONS - VEHICLES	$ 6,600	$ 5,400
6203	MAINT & OPERATIONS - EQUIPMENT	$ -	$ -
6215	PROF & SPEC SERV. - OTHER	$ -	$ -
6220	OTHER CONTRACTUAL SERVICES	$ 110,000	$ 90,000
6240	MEMBERSHIPS AND DUES	$ 275	$ 225
6250	TRAVEL, CONFERENCES & MEETINGS	$ 1,375	$ 1,125
	Total Operating	**$ 166,178**	**$ 135,963**
	Capital		
8814	CAPITAL EXP - EQUIPMENT	$ 2,500	$ 2,500
9261	MISCELLANEOUS EXPENSE	$ -	$ -
	Total Capital	**$ 5,000**	**$ 2,500**
	TOTAL POLICE	**$ 1,226,859**	**$ 307,370**

APPENDIX C: Fire

FIRE

Total Department Budget

75	FIRE	Projected YE	F Y 23/24 Budget Proposed Budget
	Fire Employee Services		
5110	SALARIES & WAGES REG EMPLOYEES	$ -	$ 398,865
5130	OVERTIME EXPENSE	$ -	$ 60,000
5211	HEALTH INSURANCE-ER	$ -	$ 65,600
5213	PERS RETIREMENT	$ -	$ 55,230
5215	MEDICARE EXPENSE	$ -	$ 6,306
5216	SOCIAL SECURITY EXPENSE	$ -	$ 26,962
5218	CALIF SUI & ETT	$ -	$ 4,277
5219	WORKERS COMP		$ 14,120
	VACATION CASHOUT		$ 3,795
5224	UNIFORM ALLOWANCE	$ -	$ 1,750
5298	CALPERS UNFUNDED LIABILITY	$ -	$ 26,517
	Total Fire Employee Services	**$ -**	**$ 663,421**
	Fire Operating		
6100	SERVICES & SUPPLIES	$ -	$ -
6111	OFFICE EXPENSE	$ -	$ 750
6119	SAFETY EQUIPMENT	$ 12,000.00	$ 10,000
6120	SPECIAL DEPARTMENTAL EXPENSE	$ 2,500.00	$ 3,500
6121	TRAINING SUPPLIES	$ 400.00	$ 400
6122	TRAINING	$ 5,500.00	$ 3,000
6123	STAFF RECRUITMENT	$ -	$ -
6130	TOOLS & SMALL EQUIP	$ 6,000.00	$ 2,000
6140	CLOTHING / UNIFORM NON-PAYROLL	$ 3,321.00	$ 800
6160	COMMUNICATIONS	$ 4,000.00	$ 11,280
	IT SERVICES		$ 6,500
6166	SOFTWARE PROGRAMS	$ -	$ 2,000
	HARDWARE		$ 1,600
6170	UTILITIES	$ 15,000.00	
	AMADOR WATER		$ 3,000
	PG&E		$ 13,000
	ACES		
	KAMPS PROPANE		
	VOLCANO		
6190	MAINT OF BLDGS, STRUCT, GROUND	$ 2,500.00	$ 12,000
6199	EXPENSE REIMBURSEMENT	$ -	$ -
6201	FUEL	$ 18,500.00	$ 40,000
6202	MAINT & OPERATIONS - VEHICLES	$ 18,000.00	$ 50,000
6203	MAINT & OPERATIONS - EQUIPMENT	$ 2,500.00	$ 10,000
6215	PROF & SPEC SERV. - OTHER	$ -	$ 2,000
6250	TRAVEL, CONFERENCES & MEETINGS	$ 2,100.00	$ -
	Total Operating	**$ 92,321.00**	**$ 171,830**
8812	CAPITAL EXPENSE - BUILDING	$ -	$ -
8814	CAPITAL EXP - EQUIPMENT	$ 54,000.00	$ 66,000
	CAPITAL REPLACEMENT	$ -	$ -
	Total Capital	**$ 54,000.00**	**$ 66,000**
	TOTAL FIRE (GENERAL FUND)	**$ 146,321.00**	**$ 901,251**

Budget by Fund

75	FIRE	General Fund F Y 23/24 Budget Proposed Budget	Restricted Fire F Y 23/24 Budget Proposed Budget	Measure M F Y 23/24 Budget Proposed Budget
	Fire Employee Services			
5110	SALARIES & WAGES REG	$ 24,000	$ 112,460	$ 262,406
5130	OVERTIME EXPENSE	$ -	$ 18,000	$ 42,000
5211	HEALTH INSURANCE-ER	$ -	$ 19,680	$ 45,920
5213	PERS RETIREMENT	$ -	$ 16,569	$ 38,661
5215	MEDICARE EXPENSE	$ -	$ 1,892	$ 4,414
5216	SOCIAL SECURITY EXPENSE	$ -	$ 8,088	$ 18,873
5218	CALIF SUI & ETT	$ -	$ 1,283	$ 2,994
5219	WORKERS COMP	$ 873	$ 3,974	$ 9,273
	VACATION CASHOUT	$ -	$ 1,138	$ 2,656
5224	UNIFORM ALLOWANCE	$ -	$ 525	$ 1,225
5298	CALPERS UNFUNDED	$ -	$ 21,214	$ 5,303
	Total Fire Employee Services	**$ 24,873**	**$ 204,823**	**$ 433,725**
	Fire Operating	60%	20%	20%
6100	SERVICES & SUPPLIES	$ -	$ -	$ -
6111	OFFICE EXPENSE	$ 450	$ 150	$ 150
6119	SAFETY EQUIPMENT	$ 6,000	$ 2,000	$ 2,000
6120	SPECIAL DEPARTMENTAL	$ 2,100	$ 700	$ 700
6121	TRAINING SUPPLIES	$ 240	$ 80	$ 80
6122	TRAINING	$ 1,800	$ 600	$ 600
6123	STAFF RECRUITMENT	$ -	$ -	$ -
6130	TOOLS & SMALL EQUIP	$ 1,200	$ 400	$ 400
6140	CLOTHING / UNIFORM NON-	$ 480	$ 160	$ 160
6160	COMMUNICATIONS	$ 6,768	$ 2,256	$ 2,256
	IT SERVICES	$ 3,900	$ 1,300	$ 1,300
6166	SOFTWARE PROGRAMS	$ 1,200	$ 400	$ 400
	HARDWARE	$ 960	$ 320	$ 320
6170	UTILITIES	$ -	$ -	$ -
	AMADOR WATER	$ 1,800	$ 600	$ 600
	PG&E	$ 7,800	$ 2,600	$ 2,600
	ACES	$ -	$ -	$ -
	KAMPS PROPANE	$ -	$ -	$ -
	VOLCANO	$ -	$ -	$ -
6190	MAINT OF BLDGS, STRUCT,	$ 7,200	$ 2,400	$ 2,400
6199	EXPENSE REIMBURSEMENT	$ -	$ -	$ -
6201	FUEL	$ 24,000	$ 8,000	$ 8,000
6202	MAINT & OPERATIONS -	$ 30,000	$ 10,000	$ 10,000
6203	MAINT & OPERATIONS -	$ 6,000	$ 2,000	$ 2,000
6215	PROF & SPEC SERV. -	$ 1,200	$ 400	$ 400
6250	TRAVEL, CONFERENCES &	$ -	$ -	$ -
	Total Operating	**$ 103,098**	**$ 34,366**	**$ 34,366**
8812	CAPITAL EXPENSE -	$ -	$ -	$ -
8814	CAPITAL EXP - EQUIPMENT	$ 39,600	$ 13,200	$ 13,200
	CAPITAL REPLACEMENT	$ -	$ -	$ -
	Total Capital	**$ 39,600**	**$ 13,200**	**$ 13,200**
	TOTAL FIRE (GENERAL	**$ 167,571**	**$ 252,389**	**$ 481,291**

APPENDIX C: Planning

PLANNING

Total Department Budget

			F Y 23/24 Budget Proposed Budget
80	**PLANNING**		
	Planning Employee Services		
5110	SALARIES & WAGES REG	$	200.00
5205	HEALTH INSURANCE-ER	$	-
5213	PERS RETIREMENT	$	-
5215	MEDICARE EXPENSE	$	2.90
5216	SOCIAL SECURITY	$	12.40
5218	CALIF SUI & ETT	$	9.00
	WORKERS COMP	$	16.67
	Total Employee Services	**$**	**240.97**
	Planning Operating		
6150	ADVERTISING	$	500.00
6213	PROF & SPEC SERVICES-	$	45,000.00
	LAFCO	$	12,000.00
	PROF & SPEC SERV. -	$	-
	Total Operating	**$**	**57,500.00**
	TOTAL PLANNING	**$**	**30,727.00**

* This is ALL General Fund

APPENDIX C: Building

BUILDING

	Total Department Budget		F Y 23/24 Budget Proposed Budget
85	**BUILDING INSPECTION**		
	Building Inspection Employee Services		
5110	SALARIES & WAGES REG	$	142,166.64
5130	OVERTIME EXPENSE	$	-
5211	HEALTH INSURANCE-ER	$	32,800.00
5213	PERS RETIREMENT	$	15,425.08
5215	MEDICARE EXPENSE	$	2,061.42
5216	SOCIAL SECURITY EXPENSE	$	8,814.33
5218	CALIF SUI & ETT	$	658.00
5219	WORKERS COMP	$	5,170.43
	VACATION CASHOUT		
5298	CALPERS UNFUNDED LIABILITY	$	8,233.00
	Total Employee Services	**$**	**215,328.90**
	Building Inspection Operating		
6111	OFFICE EXPENSE	$	500.00
6120	SPECIAL DEPARTMENTAL	$	-
6122	TRAINING	$	2,500.00
6123	STAFF RECRUITMENT	$	-
6150	ADVERTISING	$	-
6160	COMMUNICATIONS	$	500.00
6165	IT/NETWORK SERVICES	$	-
6166	SOFTWARE PROGRAMS	$	4,500.00
	HARDWARE	$	-
	UTILITIES	$	500.00
6190	MAINT OF BLDGS, STRUCT,	$	-
6201	FUEL	$	3,500.00
6212	PROF & SPEC SERVICES-ENGINEER	$	-
6215	PROF & SPEC SERV. - OTHER	$	-
6216	PROF SERVICES - BLDG INSPECTOR	$	10,000.00
6221	PROF SERVICES - LEGAL	$	-
6240	MEMBERSHIPS AND DUES	$	2,500.00
6250	TRAVEL, CONFERENCES &	$	2,500.00
	Total Operating	**$**	**27,000.00**
	Building Inspection Capital		
8810	CAPITAL EXP - VEHICLES	$	-
	Total Capital	**$**	**-**
	TOTAL BUILDING INSPECTION	**$**	**242,328.90**

	Budget by Fund	General Fund F Y 23/24 Budget Proposed Budget	WWTP F Y 23/24 Budget Proposed Budget
85	**BUILDING INSPECTION**		
	Building Inspection Employee		
5110	SALARIES & WAGES REG	$ 135,814	$ 6,352
5130	OVERTIME EXPENSE	$ -	$ -
5211	HEALTH INSURANCE-ER	$ 31,160	$ 1,640
5213	PERS RETIREMENT	$ 14,736	$ 689
5215	MEDICARE EXPENSE	$ 1,969	$ 92
5216	SOCIAL SECURITY EXPENSE	$ 8,420	$ 394
5218	CALIF SUI & ETT	$ 625	$ 33
5219	WORKERS COMP	$ 4,939	$ 231
	VACATION CASHOUT	$ 2,687	$ 122
		$ -	$ -
5298	CALPERS UNFUNDED LIABILITY	$ 26,517	$ -
	Total Employee Services	**$ 226,869.10**	**$ 9,553.39**
	Building Inspection Operating		
6111	OFFICE EXPENSE	$ 500.00	$ -
6120	SPECIAL DEPARTMENTAL	$ -	$ -
6122	TRAINING	$ 2,500.00	$ -
6123	STAFF RECRUITMENT	$ -	$ -
6150	ADVERTISING	$ -	$ -
6160	COMMUNICATIONS	$ 500.00	$ -
6165	IT/NETWORK SERVICES	$ -	$ -
6166	SOFTWARE PROGRAMS	$ 4,500.00	$ -
	HARDWARE	$ -	$ -
	UTILIES	$ 500.00	
6190	MAINT OF BLDGS, STRUCT,	$ -	$ -
6201	FUEL	$ 3,500.00	$ -
6212	PROF & SPEC SERVICES-	$ -	$ -
6215	PROF & SPEC SERV. - OTHER	$ -	$ -
6216	PROF SERVICES - BLDG	$ 10,000.00	$ -
6221	PROF SERVICES - LEGAL	$ -	$ -
6240	MEMBERSHIPS AND DUES	$ 2,500.00	$ -
6250	TRAVEL, CONFERENCES &	$ 2,500.00	$ -
	Total Operating	**$ 27,000.00**	**$ -**
	Building Inspection Capital		
8810	CAPITAL EXP - VEHICLES	$ -	$ -
	Total Capital	**$ -**	**$ -**
	TOTAL BUILDING INSPECTION	**$ 253,869.10**	**$ 9,553.39**

APPENDIX C: Engineering

ENGINEERING

	Total Department Budget			Budget by Fund			
				1111 General Fund	2111 Gas Tax	3111 WWTP	3131 TERTIARY
		F Y 23/24 Budget		F Y 23/24 Budget	F Y 23/24 Budget	F Y 23/24 Budget	F Y 23/24 Budget
		Proposed Budget		Proposed Budget	Proposed Budget	Proposed Budget	Proposed Budget
	ENGINEERING			**ENGINEERING**			
	Engineering Employee Services			**Engineering Employee**			
5110	SALARIES & WAGES REG	$ -	5110	SALARIES & WAGES REG	$ -	$ -	$ -	$ -
5211	HEALTH INSURANCE-ER	$ -	5211	HEALTH INSURANCE-ER	$ -	$ -	$ -	$ -
5213	PERS RETIREMENT	$ -	5213	PERS RETIREMENT	$ -	$ -	$ -	$ -
5215	MEDICARE EXPENSE	$ -	5215	MEDICARE EXPENSE	$ -	$ -	$ -	$ -
5216	SOCIAL SECURITY EXPENSE	$ -	5216	SOCIAL SECURITY	$ -	$ -	$ -	$ -
5218	CALIF SUI & ETT	$ -	5218	CALIF SUI & ETT	$ -	$ -	$ -	$ -
	Total Employee Services	**$ -**		**Total Employee Services**	**$ -**	**$ -**	**$ -**	**$ -**
	Engineering Operating			**Engineering Operating**				
6212	PROF & SPEC SERVICES-	$ 130,000.00	6212	PROF & SPEC SERVICES-	$ 75,000.00	$ 25,000.00	$ 30,000.00	$ 15,000.00
6225	ENGINEER SERVICES-	$ 15,000.00	6225	ENGINEER SERVICES-	$ 15,000.00			
	Total Operating	**$ 145,000.00**		**Total Operating**	**$ 90,000.00**	**$ 25,000.00**	**$ 30,000.00**	**$ 15,000.00**
	Capital			**Capital**				
				Tracer Study				$ 155,000.00
	Total Capital	$ -		**Total Capital**	$ -	$ -	$ -	$ 155,000.00
	TOTAL ENGINEERING	**$ 145,000.00**		**TOTAL ENGINEERING**	**$ 90,000.00**	**$ 25,000.00**	**$ 30,000.00**	**$ 170,000.00**

APPENDIX C: Public Works

PUBLIC WORKS

		Total Department Budget		Budget by Fund						
				1111 General Fund	Pool	Arena	2211 Gas Tax	3111 WWTP	3131 TERTIARY	8221 CFD
		F Y 23/24 Budget		F Y 23/24 Budget			F Y 23/24 Budget	F Y 23/24 Budget	F Y 23/24 Budget	F Y 23/24 Budget
		Proposed Budget		Proposed Budget			Proposed Budget	Proposed Budget		
	PUBLIC WORKS			**PUBLIC WORKS**						
	Parks & Facilities Maintenance Employee			**Parks & Facilities Maintenance**						
5110	SALARIES & WAGES REG EMPLOYEES	$ 247,655		5110 SALARIES & WAGES REG	$ 178,999	$ 12,820	$ 4,150	$ 38,664	$ 13,023		
5130	OVERTIME EXPENSE	$ 5,616		5130 OVERTIME EXPENSE	$ 3,557	$ 515	$ 140	$ 1,217	$ 187		
5211	HEALTH INSURANCE-ER	$ 65,600		5211 HEALTH INSURANCE-ER	$ 44,280	$ 4,510	$ 1,230	$ 12,300	$ 3,280		
5213	PERS RETIREMENT	$ 29,144		5213 PERS RETIREMENT	$ 21,695	$ 1,391	$ 450	$ 4,195	$ 1,413		
5215	MEDICARE EXPENSE	$ 3,591		5215 MEDICARE EXPENSE	$ 2,595	$ 186	$ 60	$ 561	$ 189		
5216	SOCIAL SECURITY EXPENSE	$ 15,355		5216 SOCIAL SECURITY EXPENSE	$ 11,098	$ 795	$ 257	$ 2,397	$ 807		
5218	CALIF SUI & ETT - ER PAID	$ 1,974		5218 CALIF SUI & ETT - ER PAID	$ 1,546	$ 90	$ 25	$ 247	$ 66		
5219	WORKERS COMP	$ 9,007		5219 WORKERS COMP	$ 6,510	$ 466	$ 151	$ 1,406	$ 474		
	VACATION CASHOUT	$ 5,452		VACATION CASHOUT	$ 4,132	$ 247	$ 80	$ 744	$ 250		
5224	UNIFORM ALLOWANCE	$ 1,800		5224 UNIFORM ALLOWANCE	$ 1,215	$ 124	$ 34	$ 338	$ 90		
5298	CALPERS UNFUNDED LIABILITY	$ 60,990		5298 CALPERS UNFUNDED	$ 47,731	$ -	$ -	$ 13,259	$ -		
	Total Employee Services	**$ 446,184**		**Total Employee Services**	**$ 323,358**	**$ 21,144**	**$ 6,577**	**$ 75,326**	**$ 19,779**	**$ -**	**$ -**
	Parks & Facilities Maintenance Operating			**Parks & Facilities Maintenance**						
6111	OFFICE EXPENSE	$ -		6111 OFFICE EXPENSE	$ -						
6113	CHEMICALS	$ 47,000		6113 CHEMICALS	$ -	$ 12,000			$ 35,000		
6120	SPECIAL DEPARTMENTAL EXPENSE	$ 500		6120 SPECIAL DEPARTMENTAL	$ 500						
6122	TRAINING	$ 2,000		6122 TRAINING	$ 1,000	$ 1,000					
6123	STAFF RECRUITMENT	$ -		6123 STAFF RECRUITMENT	$ -						
6130	TOOLS & SMALL EQUIP	$ 800		6130 TOOLS & SMALL EQUIP	$ 800						
6140	CLOTHING / UNIFORM-NON-PAYROLL	$ -		6140 CLOTHING / UNIFORM-NON-	$ -						
6160	COMMUNICATIONS	$ 1,950		6160 COMMUNICATIONS	$ 650			$ 650	$ 650		
6166	SOFTWARE PROGRAMS	$ 4,500		6166 SOFTWARE PROGRAMS	$ 2,000			$ 500	$ 1,000		
	IT SERVICES	$ -		IT SERVICES							
	HARDWARE	$ 1,200		HARDWARE	$ 1,200						
	ACRA PAYMENT	$ 34,000		ACRA PAYMENT	$ 34,000						
6170	UTILITIES			6170 UTILITIES	$ -			$ 25,000			
	HOWARD PARK	$ -		*HOWARD PARK*							
	AMADOR WATER	$ 62,000		AMADOR WATER	$ 62,000						
	PG&E	$ 51,200		PG&E	$ 22,000		$ 4,200				
	EB HALL	$ -		*EB HALL*							
	AMADOR WATER	$ -		AMADOR WATER							
	PG&E	$ -		PG&E							
	PERRY EARL	$ -		*PERRY EARL*							
	AMADOR WATER	$ 3,000		AMADOR WATER	$ 3,000						
	PG&E	$ -		PG&E							
	GROVER	$ -		*GROVER*							
	AMADOR WATER	$ 6,000		AMADOR WATER	$ 6,000						
	PG&E	$ -		PG&E							
	OAK RIDGE	$ -		*OAK RIDGE*							
	AMADOR WATER	$ 7,000		AMADOR WATER	$ 7,000						
	PG&E	$ -		PG&E							
	HEATH KNOLL	$ -		*HEATH KNOLL*							
	AMADOR WATER	$ -		AMADOR WATER							
	PG&E	$ -		PG&E							
	TRAIN DEPOT	$ -		*TRAIN DEPOT*							
	AMADOR WATER	$ -		AMADOR WATER							
	PG&E	$ -		PG&E							
	TRAIN PARK/CITY HALL	$ -		*TRAIN PARK/CITY HALL*							
	AMADOR WATER	$ -		AMADOR WATER							
	PG&E	$ -		PG&E							

APPENDIX C: Public Works

		F Y 23/24 Budget				1111 General Fund	Pool	Arena	2211 Gas Tax	3111 WWTP	3131 TERTIARY	8221 CFD
		Proposed Budget				F Y 23/24 Budget			F Y 23/24 Budget	F Y 23/24 Budget	F Y 23/24 Budget	F Y 23/24 Budget
						Proposed Budget			Proposed Budget	Proposed Budget		
	CASTLE OAKS	$	-		*CASTLE OAKS*							
	AMADOR WATER	$	15,000		AMADOR WATER	$ -						$ 15,000
	PG&E	$	-		PG&E							
	WWTP	$	2,200		*WWTP*					$ 2,200		
	AMADOR WATER	$	16,000		AMADOR WATER					$ 16,000		
	PG&E	$	-		PG&E							
	BEAUTIFICATION	$	15,000		BEAUTIFICATION	$ 15,000						
6190	MAINT OF BLDGS, STRUCT, GROUND	$	8,000	6190	MAINT OF BLDGS, STRUCT,		$ 8,000					
6191	MAINT / OPERATIONS OF POOL0241	$	-	6191	MAINT / OPERATIONS OF	$ -						
6201	FUEL	$	12,000	6201	FUEL	$ 10,000		$ 500	$ 1,500			
6202	MAINT & OPERATIONS - VEHICLES	$	25,000	6202	MAINT & OPERATIONS -	$ 25,000						
6203	MAINT & OPERATIONS - EQUIPMENT	$	6,000	6203	MAINT & OPERATIONS -	$ 6,000						
6212	PROF & SPEC SERVICES-ENGINEER	$	-	6212	PROF & SPEC SERVICES-	$ -						
6215	PROF & SPEC SERV. - OTHER	$	564,000	6215	PROF & SPEC SERV. - OTHER					$ 338,400	$ 225,600	
6221	PROF SERVICES - SPECIAL LEGAL	$	35,000	6221	PROF SERVICES - SPECIAL	$ -						$ 35,000
6240	MEMBERSHIPS AND DUES	$	3,500	6240	MEMBERSHIPS AND DUES	$ 3,500						
6300	REFUNDS	$	-	6300	REFUNDS	$ -			$ -			
	Total Operating	**$**	**922,850**		**Total Operating**	**$ 199,650**	**$ 21,000**	**$ 4,700**	**$ 27,650**	**$ 393,250**	**$ 225,600**	**$ 50,000**
	Parks & Facilities Maintenance Capital				**Parks & Facilities Maintenance**							
8810	CAPITAL EXP -VEHICLES	$	-	8810	CAPITAL EXP -VEHICLES	$ -			$ -			
8812	CAPITAL OUTLAY-BUILDING	$	-	8812	CAPITAL OUTLAY-BUILDING	$ -			$ -			
8813	CAPITAL OUTLAY-OTHER THAN BLDG	$	62,000	8813	CAPITAL OUTLAY-OTHER	$ 6,500			$ 5,500	$ 50,000		
8814	CAPITAL EXP - EQUIPMENT	$	45,000	8814	CAPITAL EXP - EQUIPMENT	$ 15,000		$ 15,000	$ 15,000			
	Total Capital	**$**	**107,000**		**Total Capital**	**$ 21,500**	**$ -**	**$ 15,000**	**$ 20,500**	**$ 50,000**	**$ -**	**$ -**
	TOTAL PARKS & FACILITIES	**$**	**1,476,034**		**TOTAL PARKS & FACILITIES**	**$ 544,508**	**$ 42,144**	**$ 26,277**	**$ 123,476**	**$ 463,029**		**$ 50,000.00**

APPENDIX C: Citywide Services

	Total Department Budget			Budget by Fund						
			F Y 23/24 Budget				1111	2111	3111
			Proposed Budget				General	Gtax	WWTP
94	**CITYWIDE SERVICES**			94	**CITYWIDE SERVICES**				
	Citywide Employee				**Citywide Employee**				
5225	OPEB INSURANCE	$	60,000		OPEB INSURANCE	$	45,000		$ 15,000
5298	CALPERS UNFUNDED	$	-		CALPERS UNFUNDED				
	Total Employee	**$**	**60,000**		**Total Employee**	$	45,000	$ -	$ 15,000
	Citywide Services				**Citywide Services**		80%		20%
6111	OFFICE EXPENSE	$	-	6111	OFFICE EXPENSE				
6112	PAYROLL PROCESSING	$	-	6112	PAYROLL PROCESSING				
6120	SPECIAL	$	-	6120	SPECIAL				
6125	ADMINISTRATION	$	-	6125	ADMINISTRATION				
6150	ADVERTISING	$	-	6150	ADVERTISING				
6160	COMMUNICATIONS	$	-	6160	COMMUNICATIONS				
6163	IT SERVICES	$	-	6163	IT SERVICES				
6165	IT HARDWARE	$	-	6165	IT HARDWARE				
6166	SOFTWARE PROGRAMS	$	-	6166	SOFTWARE PROGRAMS				
6170	UTILITIES	$	-	6170	UTILITIES				
	AMADOR WATER	$	-		AMADOR WATER				
	PG&E	$	-		PG&E				
6190	MAINT OF BLDGS,	$	-	6190	MAINT OF BLDGS,				
6203	MAINT & OPERATIONS -	$	-	6203	MAINT & OPERATIONS -				
6210	PROF & SPEC	$	-	6210	PROF & SPEC				
6211	PROF SERVICES -	$	-	6211	PROF SERVICES -				
6214	PROF & SPEC SERV.-IT	$	-	6214	PROF & SPEC SERV.-IT				
6215	PROF & SPEC SERV. -	$	-	6215	PROF & SPEC SERV. -				
6220	OTHER CONTRACTUAL	$	-	6220	OTHER CONTRACTUAL				
6230	INSURANCE	$	330,604	6230	INSURANCE - Liability	$	264,483		$ 66,121
6231	PROPERTY INSURANCE	$	6,720	6231	INSURANCE Vehicle	$	6,720		
6240	MEMBERSHIPS AND	$	-	6240	MEMBERSHIPS AND				
6250	TRAVEL,	$	-	6250	TRAVEL,				
	Total Operating	**$**	**337,324**		**Total Operating**	**$**	**271,203.20**	**$ -**	**$ 66,120.80**
	Citywide Services Capital								
8813	CAPITAL EXP-OTHER	$	-						
8814	CAPITAL EXP -	$	-						
9211	INTEREST EXPENSE	$	-						
9231	BANK	$	2,500						
9261	MISCELLANEOUS	$	-						
9700	TRANSFERS OUT	$	-						
	Total Capital	**$**	**2,500**		**Total Capital**	$	-	$ -	$ -
	TOTAL CITYWIDE	**$**	**399,824**		**TOTAL CITYWIDE**	**$**	**316,203**	**$ -**	**$ 81,121**

APPENDIX D:

General Fund Policy for Operating and Capital Reserves

City of Ione
Reserve Policy

The purpose of the Reserve Policy is to insure the City remains a financially stable organization by maintaining appropriate reserves. Adequate reserves position a City to effectively plan for cash funded needs, as well as unplanned needs caused by significant economic downturns, manage the consequences of outside agency actions that may result in revenue reductions, and address unexpected emergencies, such as natural disasters, catastrophic events caused by human activity, or excessive liabilities or legal judgments against the City. In concert with the City's other financial policies, the City's Reserve Policy serves as an important tool to guide the use of City resources in meeting the City's financial commitments and provides a framework for addressing unexpected future events in a fiscally prudent manner.

General Fund Reserve Policy

The General Fund is the main operating fund that pays for general services provided by the City, such as public safety, fire protection and parks. The General Fund accounts for all general revenues of the City and for expenditures related to the rendering of the City's general services. The General Fund is considered to have a high level of risk to operations due to its dependence on revenue streams that are susceptible to economic downturns and revenue reduction impacts form outside agency actions. In addition, the General Fund is the main funding source when responding to unexpected events or emergencies.

The City desires to establish and maintain a prudent level of reserves based on the revenue impacts described above and the City's desire to maintain strong bond ratings to minimize borrowing costs. This reserve policy sets the targeted minimum level of five percent (5%) of budgeted General Fund operating revenues for the next two years. The City will set aside these funds into a General Reserve fund with a moratorium for the next two budget years. This reserve can only be used with City Council approval and is intended to meet unforeseen contingencies such as emergencies, revenue shortfalls, mandates or unanticipated inflation. It is not intended for routing capital projects or general operations.

General Fund Capital Reserve Policy

A General Fund Capital Reserve policy shall be established and maintained with a targeted minimum level of seven percent (7%) of budgeted General Fund operating revenues for the next two years. The purpose of this reserve is for capital projects for City facilities, equipment and infrastructure that do not have another dedicated source of funding. A moratorium of two years is to be placed on the fund to establish an adequate amount for future capital projects.

Glossary of Terms

Glossary of Terms

Account, General Ledger – the City maintains a chart of accounts, each divided into 4 sections.

- Fund number, Four digits identifying segregated sets of records (e.g. the General Fund is 1111).
- Department number, two digits identifying the responsible department (e.g. the City Manager/Finance/Human Resources is 65).
- Object number, four digits identifying the specific type of asset, liability, revenue or expenditure (e.g. Salaries and Wages expenditures is 5110).

Appropriation – authorization to expend money. Appropriations are established by resolution.

Assessed Valuation – the value of real property set by the County Assessor, used as the basis to calculate property tax due for each parcel. California Proposition 13 limits annual increases of assessed valuation to the lesser of two percent, or the increase in the Consumer Price Index.

Budget – a quantified policy implementation plan adopted by the legislative body. The plan allocates resources to provide services, and is adopted for one fiscal year at a time.

Budget Control – authority thresholds established by the governing body.

Capital Asset – is an asset with a useful life of more than one year. Capital assets can be tangible property such as a roadway or photocopier; or intangible property such as a software license.

Capital Improvement Plan – a financial plan of proposed capital improvement projects to construct or rehabilitate pubic assets such as roadways and park buildings.

Deficit – an excess of appropriated expenditures over estimated revenues available. Deficit spending will reduce accumulated fund balance.

Employee Compensation – is the cost to compensate a City employee, including wages and benefits such as pension and health insurance.

Encumbrance – a reservation of an appropriation for a specific vendor and amount to control the expenditure of funds. An encumbrance is established with a Purchase Order.

Expenditure and Expense – the amount of resources spent for goods or services.

Fee – a charge to an individual for City specific service provided. State law limits the fee amount to the cost of providing the service. In other words, the City cannot charge fees to derive a profit. An example of a fee is the charge imposed to provide inspect a building for compliance with laws.

Fiscal Year – the annual financial period beginning with July 1 and ending with June 30.

Franchise – a privilege granted by the legislative body to operate in the public right of way. For example, franchises are granted to public utility companies in exchange for a franchise tax payment.

Fund – a segregated set of self-balancing financial records. The General Fund accounts for all general revenues that are not restricted by law or agreement to a specific purpose.

Fund Balance – the balance of assets minus liabilities within each fund. Fund balance may be non- spendable in form (e.g. an account receivable that has not yet been collected), designated, committed or assigned for specific future expenditures.

General Fund – may be used for any expenditure of the City. Special Revenue Funds have been established to account for the receipt and expenditure of restricted monies.

Grant – a contribution from another governmental entity such as federal, state or county. Expenditure of grant money is typically restricted by both use and time.

Infrastructure – public facilities including roadways, sewers, storm drains, parkland, and buildings.

Internal Control – methods and procedures established to safeguard assets, the legal disbursement of public funds, and the accuracy of financial reporting.

Municipal Code – the City's local law established and modified by City Council ordinance.

Operating Budget – the spending plan for routine or annual operations and services of the City.

Ordinance – formal legislative action of the City Council. An ordinance has the full force and effect of law within City boundaries, unless it is in conflict with a higher form of law, such as state statute or constitutional provision

Resolution – formal documentation of legislative body action. Resolutions are used to adopt and modify the budget, approve disbursements, and accept grants.

Restricted – funds are restricted when the law, outside agencies or legal obligations places restrictions on the use of the money. For example, Gas Tax can only be used for street maintenance activities.

Tax – compulsory charge levied by a government to finance services performed for common benefit. For example, property tax can be used for any expenditure of the City, including police service and park maintenance.

Transfers – monies transferred from one fund to another to finance activities of that fund. For example, the General Fund may transfer money to a special revenue fund to subsidize expenditures when the restricted revenue source is insufficient as approved by the City Council.

Attachment A

RESOLUTION NO. 2022-XX

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF IONE ADOPTING THE FINAL FISCAL YEAR 2022-23 OPERATING BUDGET

WHEREAS, in accordance with City of Ione Municipal Code Chapter 2.10.150 – Power and duties – Budgets: "It shall be the duty of the City Manager to prepare and submit the proposed annual budget and the proposed annual salary plan to the city council for its approval."; and

WHEREAS, staff developed the Proposed Fiscal Year 2023-2024 Operating Budget and presented said budget to the City Council in a publicly noticed meeting where it was reviewed and revised as directed; and

NOW, THEREFORE, BE IT RESOLVED, by the City Council of the City of Ione:

Section 1: The budget document as presented and revised as directed is adopted as the operating budget of the City for Fiscal Year 2023-2024 (attached hereto and incorporated herein by reference) and the amounts stated therein as proposed expenditures are hereby appropriated.

Section 2: Annual payments as established in the twenty-five year interfund loan repayment plan beginning Fiscal Year 2021-2022 are included in the budget. If other City financial obligations arise during the repayment period that require a use of funds, the City Council may adopt a resolution which temporarily reduces said payments.

Section 3: Modifications and amendments to the Fiscal Year 2023-2024 City of Ione Budget shall be allowed in accordance with the Budget Level of Authority.

Section 4: All actions pursuant to this resolution shall be carried out in the ordinary course of business consistent with the ordinances, resolutions, and regulations of the City to the extent that they apply.

Section 5: This resolution is effective retroactively to July 1, 2023.

PASSED, APPROVED AND ADOPTED at a regular meeting of the City Council on this 1st day of August 2023, by the following vote:

AYES:
NOES:
ABSTAIN:
ABSENT:
APPROVED:

_____
Stacy Rhoades, Mayor

Attest:

_____
Janice Traverso, City Clerk

Attachment B

RESOLUTION NO. 2023-XX

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF IONE ADOPTING THE ANNUAL APPROPRIATIONS LIMIT FOR FISCAL YEAR 2023-24

WHEREAS, Article XIIIB of the California Constitution (Proposition 4 as amended by Proposition 111) provides that the total annual appropriations subject to limitations of each governmental entity of government for the prior year adjust for changes in the cost of living or personal income and population, except as otherwise provided for in said Article XIIIB in implementing State statutes; and

WHEREAS, pursuant to said Article XIIIB of said California Constitution, and section 7900 et seq. of the California Code, the City is required to set its appropriation limit for each fiscal year; and

WHEREAS, the Finance Department of the City of Ione has interpreted the technical provisions of said Proposition 4 computations, performed a review and calculated the City's appropriations subject to limitation for FY 2023-24; and

WHEREAS, based on such calculations in attachment "A" the Finance Department has determined the said appropriation limit and, pursuant to Section 7910 of said California Government Code, and has made available to the public the documentation used in determination of said appropriation limit (attachment "B").

NOW, THEREFORE, BE IT RESOLVED, by the City Council of the City of Ione that the appropriations limit for the fiscal year 2023-24 pursuant to Article XIII B of the California Constitution is established at $5,650,226.

IT IS HEREBY CERTIFIED that the foregoing resolution was duly introduced and adopted by the City Council of the City of Ione at their regular meeting held on August 1, 2023 by the following vote:

AYES:
NOES:
ABSTAIN:
ABSENT:

_____
Stacy Rhoades, Mayor

Attest:

_____
Janice Traverso, City Clerk

City of Ione
Annual Appropriation Limit
Calculation
Fiscal Year 2023-24

A. **Price Factor:** Article XIII B specifies that local jurisdictions select their cost of living factor to compute their appropriation limit by a vote of their governing body. The cost of living factor provided here is per capita personal income. The City Council has elected to use the change in per capita personal income for the current year appropriations limit calculation. The percentage change to be used in setting the 2023-24 appropriation limit is:

Fiscal Year (FY)	Percentage Change over prior year
2023-24	4.44%

B. B. Annual appropriation limit using the per capita change in personal income and the City of Sutter Creek change in population. Statistical information was provided by the California Department of Finance in accordance with California Revenue and Taxation Code, Section 2227.

Appropriations Limit June 30, 2023 **5,436,115**

2023-24

Per Capita Change = 4.44%

Population Change = -0.48%

Per capita converted to a ratio $\frac{4.44 + 100}{100}$ = **1.0444**

Population converted to a ratio $\frac{-0.48 + 100}{100}$ = **0.9952**

Calculation of factor for FY 2023-24 1.0755 x 1.1201 = **1.0394**

Calculated Appropriations Limit June 30, 2024 **5,650,226**

City of Ione
Annual Appropriation Limit
Calculation
Fiscal Year 2022-23

A. **Price Factor:** Article XIII B specifies that local jurisdictions select their cost of living factor to compute their appropriation limit by a vote of their governing body. The cost of living factor provided here is per capita personal income. The City Council has elected to use the change in per capita personal income for the current year appropriations limit calculation. The percentage change to be used in setting the 2022-2023 appropriation limit is:

Fiscal Year (FY)	Percentage Change over prior year
2022-23	7.55%

B. B. Annual appropriation limit using the per capita change in personal income and the City of Sutter Creek change in population. Statistical information was provided by the California Department of Finance in accordance with California Revenue and Taxation Code, Section 2227.

Appropriations Limit June 30, 2022			**4,853,096**
2022-23			
Per Capita Change = 7.55%			
Population Change = 4.15%			
Per capita converted to a ratio	$\frac{7.55 + 100}{100}$	=	**1.0755**
Population converted to a ratio	$\frac{4.15 + 100}{100}$	=	**1.0415**
Calculation of factor for FY 2022-2023	1.0755 x 1.1201	=	**1.1201**
Calculated Appropriations Limit June 30, 2023			**5,436,115**

City of Ione
Annual Appropriation Limit
Calculation
Fiscal Year 2021-22

A. **Price Factor:** Article XIII B specifies that local jurisdictions select their cost of living factor to compute their appropriation limit by a vote of their governing body. The cost of living factor provided here is per capita personal income. The City Council has elected to use the change in per capita personal income for the current year appropriations limit calculation. The percentage change to be used in setting the 2021-2022 appropriation limit is:

Fiscal Year (FY)	Percentage Change over prior year
2021-22	5.73%

B. B. Annual appropriation limit using the per capita change in personal income and the City of Sutter Creek change in population. Statistical information was provided by the California Department of Finance in accordance with California Revenue and Taxation Code, Section 2227.

Appropriations Limit June 30, 2021 **4,609,444**

2021-22

Per Capita Change = 5.73%

Population Change = -0.42%

Per capita converted to a ratio $\frac{5.73 + 100}{100}$ = **1.0573**

Population converted to a ratio $\frac{-0.42 + 100}{100}$ = **0.9958**

Calculation of factor for FY 2021-2022 1.0573 x 0.9958 = **1.0529**

Calculated Appropriations Limit June 30, 2022 **4,853,096**

City of Ione
Annual Appropriation Limit
Calculation
Fiscal Year 2020-21

A. **Price Factor:** Article XIII B specifies that local jurisdictions select their cost of living factor to compute their appropriation limit by a vote of their governing body. The cost of living factor provided here is per capita personal income. The City Council has elected to use the change in per capita personal income for the current year appropriations limit calculation. The percentage change to be used in setting the 2020-2021 appropriation limit is:

Fiscal Year (FY)	Percentage Change over prior year
2020-21	3.73%

B. B. Annual appropriation limit using the per capita change in personal income and the City of Sutter Creek change in population. Statistical information was provided by the California Department of Finance in accordance with California Revenue and Taxation Code, Section 2227.

Appropriations Limit June 30, 2020 **4,358,700**

2020-21

Per Capita Change = 3.73%

Population Change = 1.95%

Per capita converted to a ratio $\frac{3.73 + 100}{100}$ = **1.0373**

Population converted to a ratio $\frac{1.95 + 100}{100}$ = **1.0195**

Calculation of factor for FY 2020-2021 1.0373 x 1.0195 = **1.0575**

Calculated Appropriations Limit June 30, 2021 **4,609,444**

City of Ione
Annual Appropriation Limit
Calculation
Fiscal Year 2019-20

A. **Price Factor:** Article XIII B specifies that local jurisdictions select their cost of living factor to compute their appropriation limit by a vote of their governing body. The cost of living factor provided here is per capita personal income. The City Council has elected to use the change in per capita personal income for the current year appropriations limit calculation. The percentage change to be used in setting the 2019-2020 appropriation limit is:

Fiscal Year (FY)	Percentage Change over prior year
2019-20	3.85%

B. B. Annual appropriation limit using the per capita change in personal income and the City of Sutter Creek change in population. Statistical information was provided by the California Department of Finance in accordance with California Revenue and Taxation Code, Section 2227.

Appropriations Limit June 30, 2019 **4,159,674**

2019-20

Per Capita Change = 3.85%

Population Change = 0.9%

Per capita converted to a ratio $\frac{3.85 + 100}{100}$ = **1.0385**

Population converted to a ratio $\frac{0.9 + 100}{100}$ = **1.0090**

Calculation of factor for FY 2019-2020: 1.0385 x 1.09 = **1.0478**

Calculated Appropriations Limit June 30, 2020 **4,358,700**

From: ccis@ccicopier.com
To: Jodi Steneck
Date: Wednesday, July 26, 2023 12:53:57 PM
Attachments: _doc014151.pdf

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