DOCKETED	
Docket Number:	87-AFC-01C
Project Title:	COMPLIANCE-Luz Solar Electric Generating System Cogeneration AFC (150 MW) Units III-VII.
TN #:	244086
Document Title:	SEGS Kramer junction 2022 1st Semiannual Detection Monitoring Report
Description:	N/A
Filer:	Maria E Lopez
Organization:	NextEra Energy
Submitter Role:	Applicant
Submission Date:	7/14/2022 2:50:28 PM
Docketed Date:	7/14/2022

2022 FIRST SEMIANNUAL DETECTION MONITORING REPORT SEGS III – VII KRAMER JUNCTION Board Order No. 6-97-58

July 12, 2022

Prepared for:
Luz Solar Partners III - VII Ltd. c/o
NextEra Energy Operating Services, LLC
41100 Highway 395
Boron, California 93516

Prepared By:
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SIGNATURE PAGE

2022 FIRST SEMIANNUAL DETECTION MONITORING REPORT

SEGS III – VII KRAMER JUNCTION

BORON, CALIFORNIA

PROFESSIONAL STATEMENT

I declare under the penalty of law that I have personally examined and am familiar with the information submitted in this document, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment for knowing violations.

I further certify that this report has been reviewed by the appropriate authority at NextEra Energy Resources and is being submitted with their written consent.

Arlin W. Brewster

Professional Geologist 9207

July 12, 2022

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1.0 INTRODUCTION

Northstar Environmental Remediation (Northstar) of Lake Forest, California has prepared this 2022 First Semiannual Detection Monitoring Report for the Solar Electric Generating Station (SEGS) III – VII facility on behalf of NextEra Energy Operating Services, LLC (NextEra) and Luz Solar Partners III - VII Ltd. This report presents environmental data required under California Regional Water Quality Control Board - Lahontan Region (RWQCB) Order No. 6-97-58 Waste Discharge Requirements and Monitoring and Reporting Program. This report summarizes all monitoring activity related to the evaporation ponds that occurred during the reporting period. A site vicinity map of SEGS III – VII is included in **Figure 1**.

1.1 Facility Information

Facility Name:
Solar Electric Generating Station (SEGS) III – VII

Facility Location:
41100 Highway 395
Boron, California 92347

Facility Contact:
Ms. Maria E. Lopez
Senior PGD Environmental Specialist
NextEra Energy Operating Services, LLC
(760) 921-1401

Monitoring and Reporting Program:
RWQCB Order No. 6-97-58 (6-88-144 rescinded)

Waste Discharge Identification Number:
6B364550002

1.2 Monitoring Summary

The following work was conducted between January 1 and June 30, 2022:

- LCRS Sump Totalizer Readings: Collected weekly by NextEra
- Evaporation Pond Discharge Totalizer Readings: Collected monthly by NextEra
- Evaporation Pond Inspections: Performed weekly by NextEra
- Groundwater Monitoring Well Sampling: Performed quarterly by Northstar
- Neutron Probe Logging: Performed quarterly by Northstar

2.0 EVAPORATION POND MONITORING

A total of three evaporation pond Class II surface impoundments exist onsite to receive wastewater discharge from SEGS operations. Evaporation Ponds 3, 4, and 5 (located from south to north, respectively) are each approximately 10 acres in size, and are located on the eastern edge of the SEGS facility.

Each pond is equipped with a leachate collection and removal system (LCRS) on the north and south ends of each pond (**Figure 2**). The volume of water pumped from each LCRS sump is recorded weekly and summarized by monthly totals (**Table 1**). The leakage action rate, as defined in the Revised Waste Discharge Requirements, is 200 gallons per day, at which point all wastewater discharge to the affected pond is ceased until repairs can be completed. During the first semester of 2022, leaks were not detected from any sumps. During the reporting period, the highest monthly totals for each pond were 0 gallons in Pond 3, Pond 4, and Pond 5. All ponds are out of service because the facility is no longer discharging to them.

The total designed capacity of the evaporation ponds is 0.365 million gallons per day. The total operational discharge volume of wastewater to the ponds is recorded monthly and summarized by monthly and yearly totals (**Table 2**). During the reporting period, no water was discharged to any of the ponds. Wastewater discharge to all ponds was ceased in February 2020 as part of the planned facility shutdown and transition.

Weekly visual inspections of the evaporation ponds by NextEra indicated that the pond liners were in good condition with no signs of soil discoloration, vegetation loss, or wastewater leaks or spills in the surrounding area. The pond freeboard measurements were all above the minimum required threshold of 2.0 feet, as defined in the Revised Waste Discharge Requirements.

3.0 GROUNDWATER MONITORING

A total of four groundwater monitoring wells (MW-1 through MW-4) exist at the site and are monitored and sampled quarterly for signs of release from the evaporation ponds. The locations of all wells are presented on **Figure 3**. Monitoring well MW-1 is located upgradient, near the southwest corner of the SEGS facility. Monitoring wells MW-2 through MW-4 are positioned immediately adjacent to, and downgradient of, the evaporation ponds. The groundwater monitoring wells were monitored and sampled during the reporting period on March 26 and May 31, 2022.

3.1 Groundwater Elevation, Gradient, and Velocity

The groundwater elevation in MW-2 has historically been significantly lower than the other monitoring wells onsite. This may be the result of localized lithological confinement and/or drawdown from a groundwater extraction well south of the SEGS facility, which has periodically been used for construction activity by others and dust suppression on nearby grid roads, or due to inconsistent well construction compared to the other monitoring wells. As a result, the groundwater elevation in MW-2 has not been used to assess groundwater elevations across the rest of the SEGS facility.

Groundwater elevation contours and gradient direction are displayed on potentiometric surface maps for each quarter of the reporting period in **Figures 4 to 7**. In general, measured groundwater elevations ranged between 2,233.07 and 2,303.34 feet above mean sea level (ft amsl), and the average hydraulic gradient across the site (excluding MW-2 data) is 0.003 feet per linear foot (15.5 feet per mile) to the southeast.

The following formula (based on Darcy's Law) was used to calculate the approximate groundwater flow velocity:

V = (KhI)/ne

Where:

V = average linear groundwater velocity;
Kh = aquifer horizontal hydraulic conductivity;
I = average hydraulic gradient (vertical change in groundwater elevation/corresponding horizontal distance); and,
ne = effective aquifer porosity.

During the development of monitoring well MW-1, it was determined that the hydraulic conductivity of the aquifer was approximately 14.6 feet per year. Assuming an effective porosity of 25% (0.25), and an average hydraulic gradient of 0.003 feet per linear foot, the estimated groundwater velocity is 0.175 feet per year.

3.2 Groundwater Sampling

All groundwater monitoring wells onsite are sampled according to the conditions in the Monitoring and Reporting Program. The program requires sampling of wells quarterly for analysis of sodium, sulfate, and total dissolved solids (TDS), and annually for the same constituents plus chloride, potassium, phosphate, and heat transfer fluid (Therminol). Wells are gauged for depth to water prior to purging three casing volumes. General field parameters are collecting while purging, including electrical conductivity, pH, and temperature. After three volumes have been purged, a sample set is collected, chilled, and delivered to Eurofins Calscience Tustin, a state- and federally-certified analytical laboratory. Data for the reporting period is presented in **Table 3**, and all historical data is graphically presented in **Charts 1 – 4**. A summary of data collected during each groundwater sampling event is included in **Appendix A**. Copies of the laboratory reports are included in **Appendix B**.

Laboratory results are compared to the quarterly monitoring parameter concentration limits, as defined in the Monitoring and Reporting Program, as follows:

Sodium	403 mg/l
Sulfate	389 mg/l
TDS	1,357 mg/l

For the reporting period, sodium ranged from 220 to 330 mg/l; sulfate from 180 to 320 mg/l; and TDS from 830 to 1,200 mg/l. All laboratory analytical results were below the required thresholds.

4.0 NEUTRON PROBE MONITORING

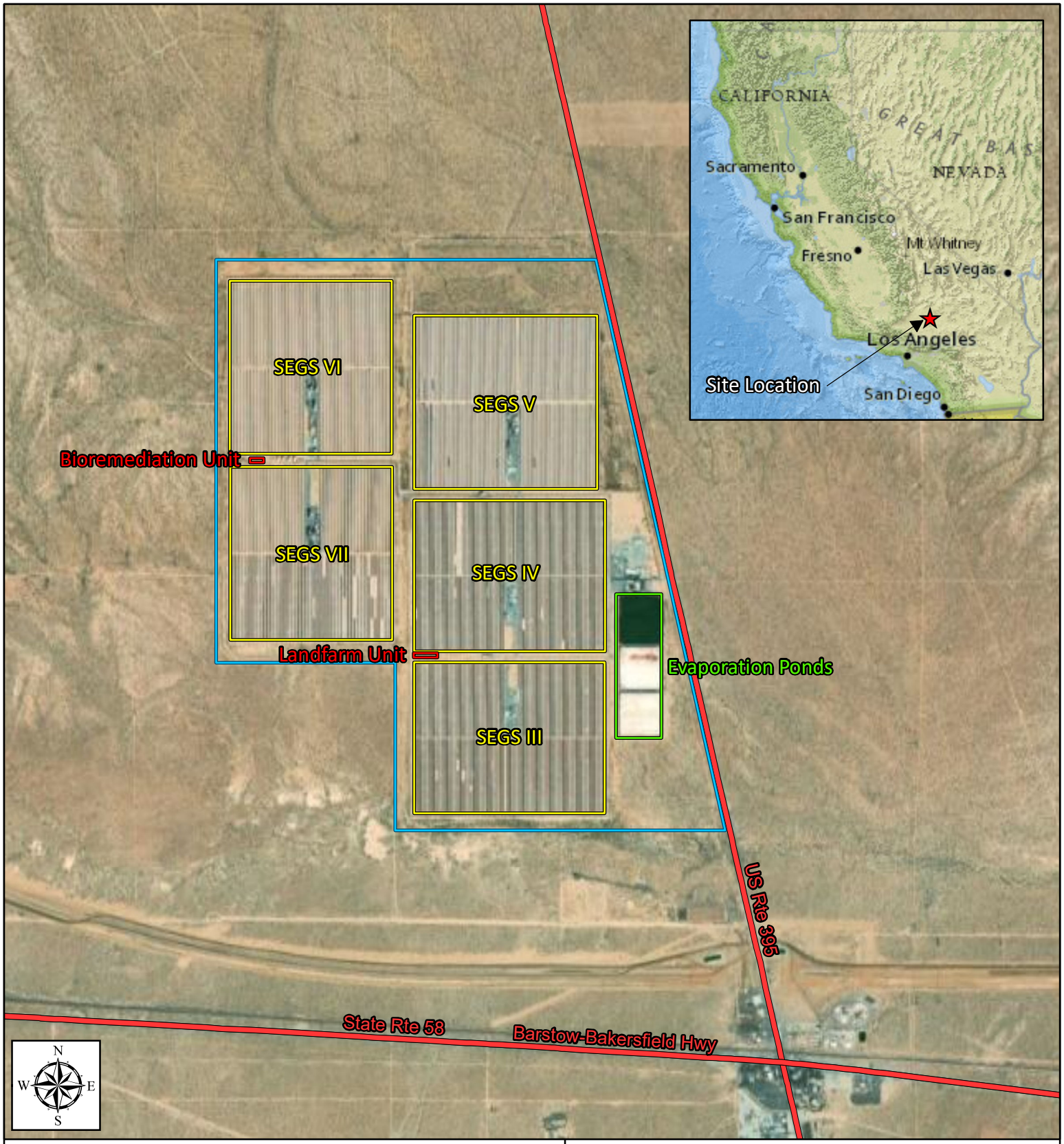
A CPN, Inc. Model 503 DR Hydro-Probe™ neutron probe is used to estimate the soil moisture below the evaporation ponds. The probe is passed through a series of horizontal wells beneath the ponds (numbered HN-1 through HN-10) and vertical wells at the cardinal points of each pond (numbered VN-2 through VN-11), as shown in **Figure 2**. The neutron probe is stopped at the same intervals during each test and the approximate percent soil moisture reading recorded. The moisture readings from the east and west side of the horizontal wells overlap by approximately 300 feet. While the Monitoring and Reporting Program specifies that "Neutron probes shall be used to detect moisture in the unsaturated zone", it does not specify a moisture threshold limit. A soil moisture value of 30% is tentatively used as an action level, which is consistent with other Monitoring and Reporting Programs for similar applications.

The neutron probe surveys were performed during this reporting period on March 30 and 31 and June 6 and 7, 2022. Vertical well VN-2 was damaged prior to the reporting period and is no longer used. Horizontal wells HN-2, HN-3, HN-4, and HN-5 were inaccessible during the first quarter due to construction, and all of these wells plus HN-6 were inaccessible in the second quarter due to construction. The construction foreman has indicated that the wells will likely not be accessible until after at least the third quarter of 2022. The moisture probe readings for the reporting period are summarized in **Table 4** (horizontal wells) and **Table 5** (vertical wells). For this monitoring period, all soil moisture readings were below the tentative 30% threshold for both quarters.

5.0 FINANCIAL ASSURANCE

A financial assurance deposit of $100,000 was placed in a secured, interest-accruing account in 1992. A certificate of deposit was acquired and placed on file with the RWQCB as evidence of the financial assurance. The funds were set aside as a measure to cover the cost of a reasonably foreseeable release and as a contingency for facility closure costs, plus additional funds to account for inflation over the estimated 30-year lifespan of the project. This measure was incorporated as part of a closure plan submitted to the RWQCB on October 20, 1992. It is believed the funds are currently adequate to cover mitigation costs for a release scenario.

FIGURES



Legend

- Facility Boundary
- Solar Fields
- Land Treatment Units
- Evaporation Ponds

SEGS III - VII Kramer Junction
Boron, California

Figure 1
Site Location
and Vicinity Map

NORTHSTAR ENVIRONMENTAL REMEDIATION	Scale: 1:30,000	Date: 08 Jan 2020
	Drawn By: AWB	Checked By: AWB

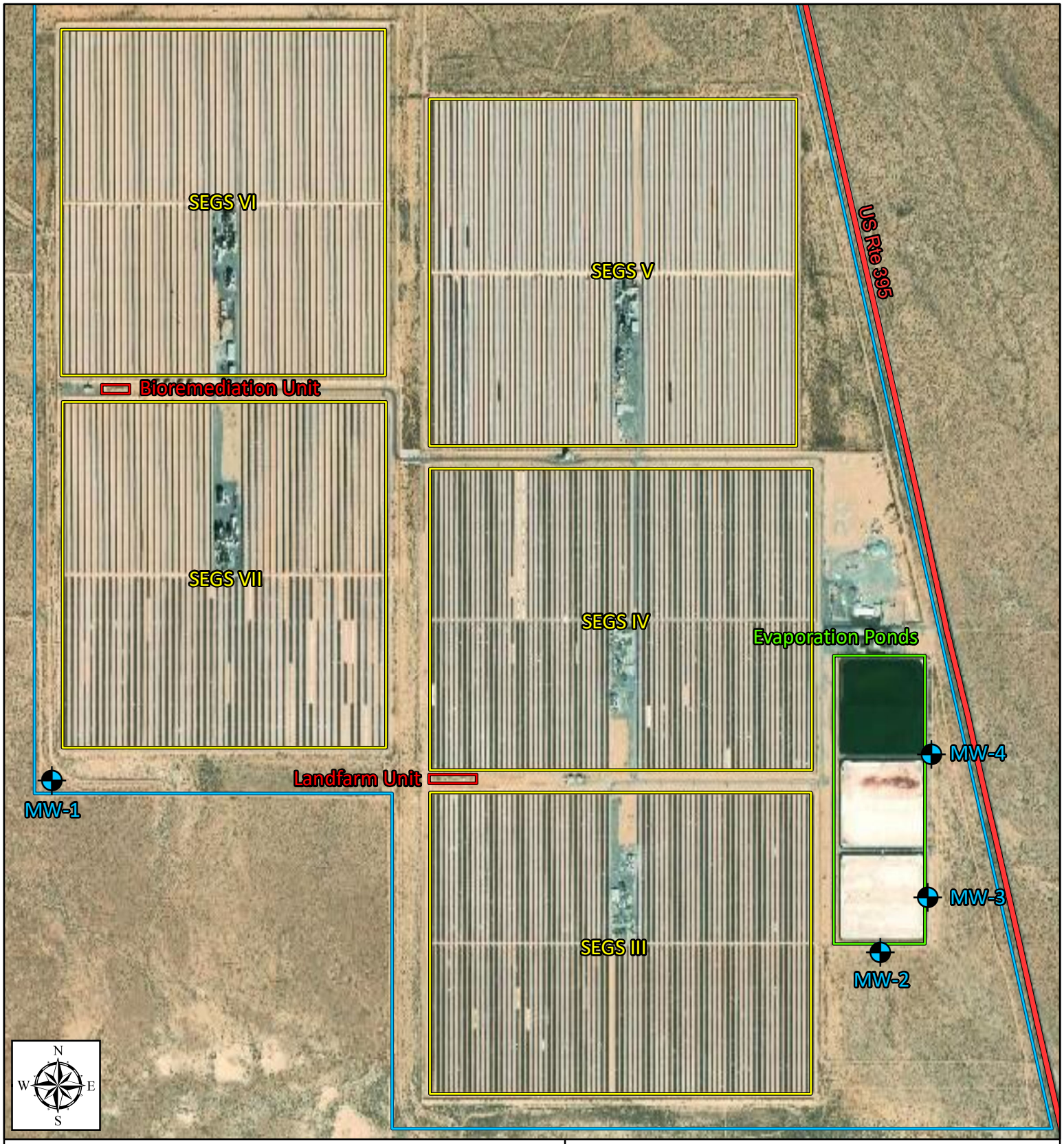
Legend

- Groundwater Monitoring Wells
- LCRS Sumps
- Horizontal Neutron Probe Wells
- Vertical Neutron Probe Wells

SEGS III - VII Kramer Junction
Boron, California

Figure 2
Evaporation Pond Monitoring Network

NORTHSTAR ENVIRONMENTAL REMEDIATION	Scale: 1:5,000	Date: 08 Jan 2020
	Drawn By: AWB	Checked By: AWB



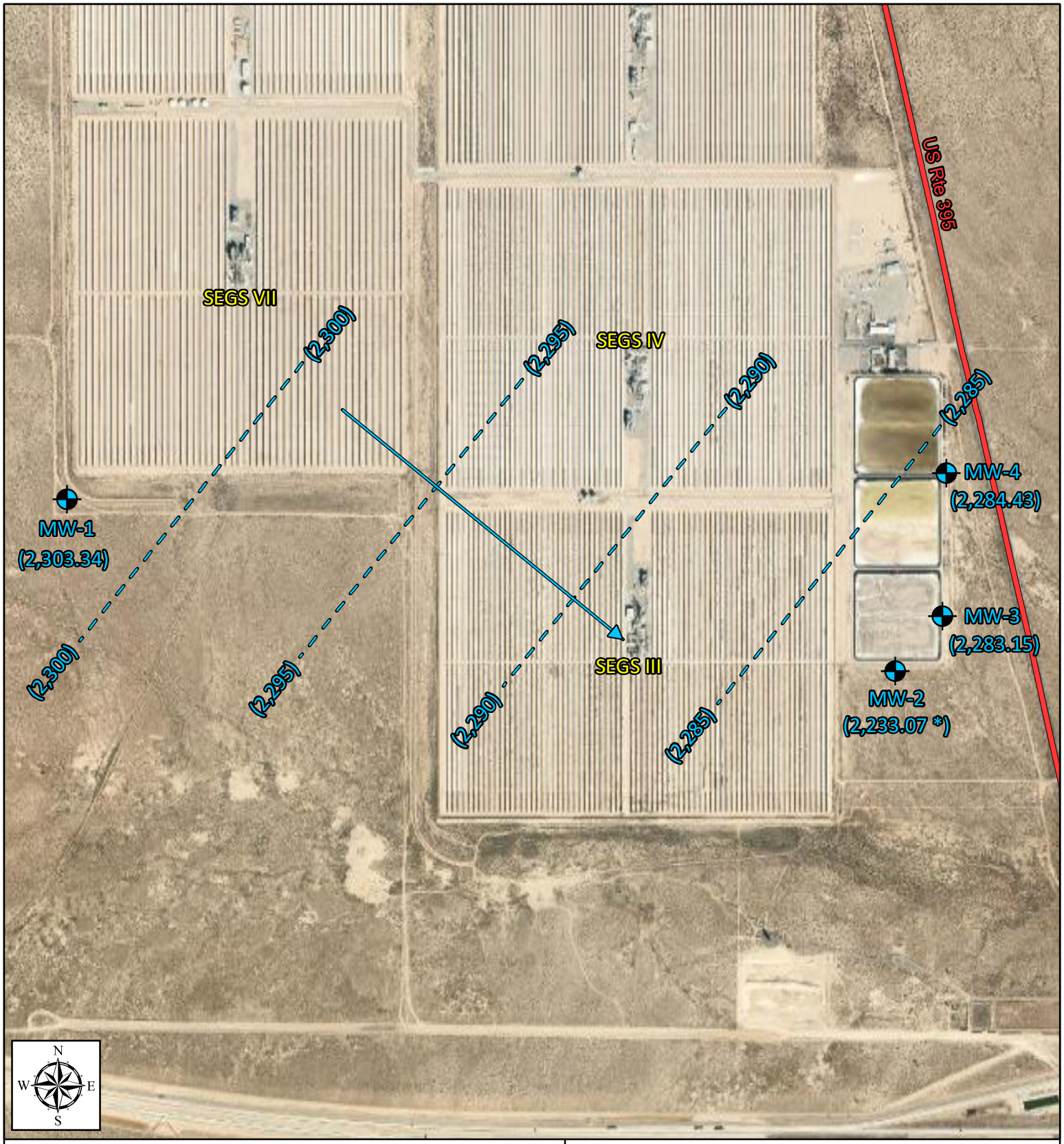
Legend

- Groundwater Monitoring Wells
- Facility Boundary
- Solar Fields
- Land Treatment Units
- Evaporation Ponds

SEGS III - VII Kramer Junction
Boron, California

Figure 3
Groundwater Monitoring Well Locations

NORTHSTAR ENVIRONMENTAL REMEDIATION	Scale: 1:15,000	Date: 08 Jan 2020
	Drawn By: AWB	Checked By: AWB



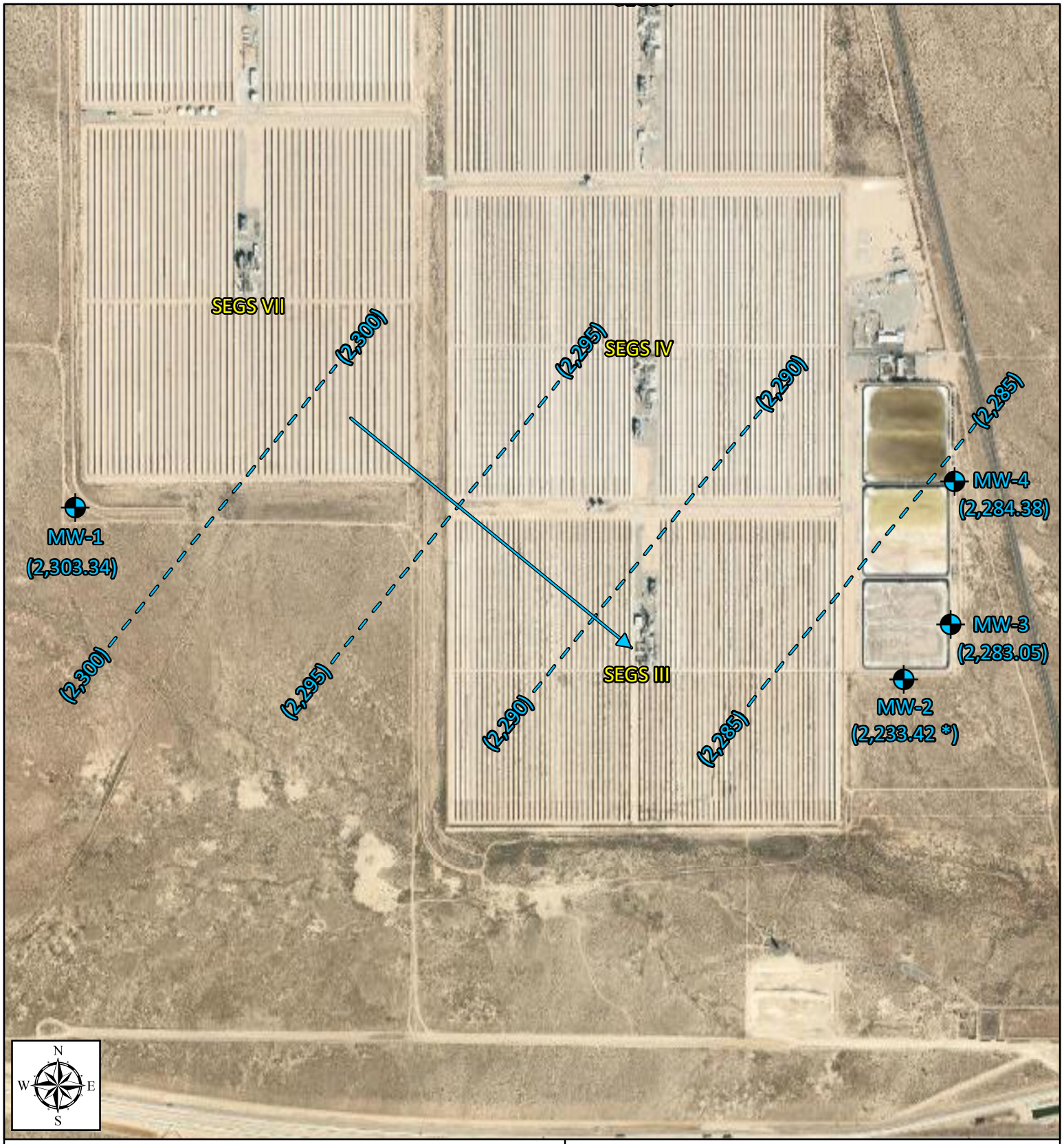
Legend

- Groundwater Monitoring Wells
- Groundwater Gradient Direction
- Groundwater Elevation Contour
- (2,300) Groundwater Elevation in feet amsl
- * Data Point Not Used for Contouring

SEGS III - VII Kramer Junction
Boron, California

Figure 4
Potentiometric Surface Map
First Quarter 2022

NORTHSTAR ENVIRONMENTAL REMEDIATION	Scale: 1:15,000	Date: 16 Jun 2022
	Drawn By: AWB	Checked By: AWB



Legend

- Groundwater Monitoring Wells
- Groundwater Gradient Direction
- Groundwater Elevation Contour
- (2,300) Groundwater Elevation in feet amsl
- * Data Point Not Used for Contouring

SEGS III - VII Kramer Junction
Boron, California

Figure 5
Potentiometric Surface Map
Second Quarter 2022

NORTHSTAR ENVIRONMENTAL REMEDIATION	Scale: 1:15,000	Date: 16 Jun 2022
	Drawn By: AWB	Checked By: AWB

TABLES

Table 1
LCRS Sump Pumping Log - Monthly Gallons Removed

Month	Sump ID						Total (All Sumps) (gallons)
	3-S (gallons)	3-N (gallons)	4-S (gallons)	4-N (gallons)	5-S (gallons)	5-N (gallons)	
Jan 2006	0	180	0	440	0	5,290	5,910
Feb 2006	0	240	0	680	0	3,460	4,380
Mar 2006	0	1,280	0	290	0	8,910	10,480
Apr 2006	0	150	0	220	0	980	1,350
May 2006	0	340	0	230	0	460	1,030
Jun 2006	0	1,940	0	220	0	340	2,500
Jul 2006	0	250	0	260	0	390	900
Aug 2006	0	220	0	220	0	310	750
Sep 2006	0	130	0	110	0	270	510
Oct 2006	0	90	0	0	0	180	270
Nov 2006	0	50	0	0	0	90	140
Dec 2006	0	20	0	0	0	80	100
Jan 2007	0	2,930	0	0	0	30	2,960
Feb 2007	0	1,520	0	0	0	0	1,520
Mar 2007	0	1,210	0	0	0	0	1,210
Apr 2007	0	1,190	0	0	0	0	1,190
May 2007	0	4,000	0	0	0	0	4,000
Jun 2007	0	1,120	0	0	0	120	1,240
Jul 2007	0	650	0	0	0	120	770
Aug 2007	0	420	0	0	0	110	530
Sep 2007	0	490	0	0	0	110	600
Oct 2007	0	100	0	0	0	80	180
Nov 2007	0	30	0	0	0	60	90
Dec 2007	0	0	0	0	0	50	50
Jan 2008	0	0	0	0	0	50	50
Feb 2008	0	0	0	0	0	40	40
Mar 2008	0	0	0	0	0	40	40
Apr 2008	0	0	0	0	0	10	10
May 2008	0	0	0	0	0	30	30
Jun 2008	0	0	0	0	0	40	40
Jul 2008	0	0	0	0	0	70	70
Aug 2008	0	0	0	0	0	40	40
Sep 2008	0	0	0	0	0	5,670	5,670
Oct 2008	0	0	0	0	0	820	820
Nov 2008	0	0	0	0	0	220	220
Dec 2008	0	0	0	0	0	0	0
Jan 2009	0	0	0	0	0	0	0
Feb 2009	0	0	0	0	0	0	0
Mar 2009	0	0	0	0	0	0	0
Apr 2009	0	0	0	0	0	0	0

Table 1
LCRS Sump Pumping Log - Monthly Gallons Removed

	Sump ID						Total
	3-S	3-N	4-S	4-N	5-S	5-N	(All Sumps)
May 2009	0	0	0	0	0	0	0
Jun 2009	0	0	0	0	0	0	0
Jul 2009	0	0	0	0	0	0	0
Aug 2009	0	0	0	0	0	0	0
Sep 2009	0	0	0	0	0	0	0
Oct 2009	0	0	0	0	0	0	0
Nov 2009	0	0	0	0	0	0	0
Dec 2009	0	0	0	0	0	0	0
Jan 2010	0	0	0	0	0	0	0
Feb 2010	0	0	0	0	0	0	0
Mar 2010	0	0	0	0	0	0	0
Apr 2010	0	0	0	0	0	0	0
May 2010	0	0	0	0	0	0	0
Jun 2010	0	0	0	0	0	0	0
Jul 2010	0	0	0	0	0	0	0
Aug 2010	0	0	0	0	0	0	0
Sep 2010	0	0	0	0	0	0	0
Oct 2010	0	0	0	0	0	0	0
Nov 2010	0	0	0	0	0	0	0
Dec 2010	0	0	0	0	0	0	0
Jan 2011	0	0	0	0	0	0	0
Feb 2011	320	0	0	2,850	0	820	3,990
Mar 2011	2,430	660	0	1,300	0	1,220	5,610
Apr 2011	0	0	0	0	340	290	630
May 2011	9,520	16,780	3,870	14,130	4,270	4,220	52,790
Jun 2011	15,050	12,030	90	1,050	3,660	1,100	32,980
Jul 2011	6,160	1,570	6,470	3,690	2,660	5,610	26,160
Aug 2011	10	0	9,130	16,030	750	0	25,920
Sep 2011	0	0	0	10,360	2,480	0	12,840
Oct 2011	0	0	2,950	1,480	0	0	4,430
Nov 2011	0	0	400	0	0	0	400
Dec 2011	0	0	0	0	0	0	0
Jan 2012	0	0	0	0	0	0	0
Feb 2012	0	0	0	0	0	0	0
Mar 2012	0	0	0	1,420	2,780	0	4,200
Apr 2012	1,800	1,630	8,040	9,490	17,280	14,770	53,010
May 2012	21,550	18,100	870	1,290	580	11,890	54,280
Jun 2012	20,735	19,695	910	975	775	940	44,030
Jul 2012	20,885	20,095	520	695	165	530	42,890
Aug 2012	19,340	18,680	20	520	0	410	38,970
Sep 2012	20,110	19,690	390	570	40	290	41,090

Table 1
LCRS Sump Pumping Log - Monthly Gallons Removed

	Sump ID						Total
	3-S	3-N	4-S	4-N	5-S	5-N	(All Sumps)
Oct 2012	20,860	19,770	20	430	290	210	41,580
Nov 2012	6,350	16,730	0	890	170	120	24,260
Dec 2012	0	14,290	0	200	130	90	14,710
Jan 2013	0	13,840	0	1,420	120	90	15,470
Feb 2013	0	15,940	0	380	10	80	16,410
Mar 2013	0	18,420	0	870	0	100	19,390
Apr 2013	0	20,020	0	360	0	100	20,480
May 2013	0	20,260	0	400	0	120	20,780
Jun 2013	0	19,540	0	190	0	110	19,840
Jul 2013	0	17,440	0	360	0	130	17,930
Aug 2013	0	18,380	0	300	0	110	18,790
Sep 2013	0	9,170	0	330	0	130	9,630
Oct 2013	0	2,600	0	360	0	70	3,030
Nov 2013	0	0	0	660	0	60	720
Dec 2013	0	0	0	360	0	40	400
Jan 2014	0	0	0	110	0	100	210
Feb 2014	0	0	0	90	0	50	140
Mar 2014	0	0	0	660	0	60	720
Apr 2014	0	0	0	140	0	70	210
May 2014	0	0	0	450	0	70	520
Jun 2014	0	0	0	110	0	60	170
Jul 2014	0	0	0	340	0	80	420
Aug 2014	0	0	0	190	0	80	270
Sep 2014	0	0	0	2,040	0	60	2,100
Oct 2014	0	0	2,230	160	0	40	2,430
Nov 2014	0	0	690	1,090	0	10	1,790
Dec 2014	0	0	10	12,380	0	10	12,400
Jan 2015	0	0	0	13,265	0	30	13,295
Feb 2015	0	0	1,320	1,565	0	30	2,915
Mar 2015	0	0	17,550	620	0	20	18,190
Apr 2015	0	0	18,460	440	0	20	18,920
May 2015	0	0	18,380	340	0	20	18,740
Jun 2015	9,880	120	7,430	340	0	40	17,810
Jul 2015	12,620	10,100	1,540	4,040	0	50	28,350
Aug 2015	12,250	16,980	430	2,720	0	0	32,380
Sep 2015	1,460	12,470	15,730	3,860	0	0	33,520
Oct 2015	0	0	2,120	15,580	0	0	17,700
Nov 2015	0	0	0	16,297	0	0	16,297
Dec 2015	0	0	30	8,993	0	0	9,023
Jan 2016	1,700	5,820	330	2,520	8,270	0	18,640
Feb 2016	12,310	7,550	190	9,370	8,360	0	37,780

Table 1
LCRS Sump Pumping Log - Monthly Gallons Removed

	Sump ID						Total
	3-S	3-N	4-S	4-N	5-S	5-N	(All Sumps)
Mar 2016	340	2,760	750	4,940	0	0	8,790
Apr 2016	11,120	16,270	2,750	10,270	410	0	40,820
May 2016	17,680	17,330	12,340	8,340	260	0	55,950
Jun 2016	17,380	17,380	1,110	3,970	190	0	40,030
Jul 2016	18,050	21,140	2,070	0	60	0	41,320
Aug 2016	18,710	21,960	0	0	0	0	40,670
Sep 2016	18,020	21,800	9,460	0	0	0	49,280
Oct 2016	11,980	19,280	18,690	4,830	0	0	54,780
Nov 2016	8,240	13,900	11,000	16,670	0	0	49,810
Dec 2016	2,040	1,190	830	14,670	2,190	710	21,630
Jan 2017	2,620	1,320	2,780	10,760	12,280	170	29,930
Feb 2017	4,900	14,480	10,620	11,740	13,360	890	55,990
Mar 2017	9,360	20,050	5,480	5,460	11,260	2,340	53,950
Apr 2017	11,860	20,740	11,020	3,240	12,630	370	59,860
May 2017	11,550	18,800	5,100	3,990	2,600	220	42,260
Jun 2017	11,120	19,710	760	2,630	2,430	210	36,860
Jul 2017	11,080	20,030	2,520	4,930	430	170	39,160
Aug 2017	13,160	20,060	1,240	1,250	330	90	36,130
Sep 2017	13,910	20,620	1,420	4,810	80	0	40,840
Oct 2017	13,380	20,710	6,140	270	0	0	40,500
Nov 2017	12,810	17,870	0	260	0	0	30,940
Dec 2017	4,740	16,380	0	150	160	0	21,430
Jan 2018	5,850	15,020	290	620	190	230	22,200
Feb 2018	2,050	13,420	0	2,280	100	90	17,940
Mar 2018	1,040	17,260	0	6,120	120	70	24,610
Apr 2018	1,800	19,000	2,040	5,810	120	0	28,770
May 2018	1,190	20,600	3,900	5,700	30	140	31,560
Jun 2018	470	20,090	0	5,760	0	80	26,400
Jul 2018	260	19,960	0	11,150	0	80	31,450
Aug 2018	136,090	20,790	0	3,670	100	70	160,720
Sep 2018	20,690	20,530	4,740	490	90	40	46,580
Oct 2018	20,860	20,330	610	480	1,260	40	43,580
Nov 2018	18,950	17,470	0	200	3,260	10	39,890
Dec 2018	14,470	10,990	870	3,620	10	0	29,960
Jan 2019	14,640	10,194	1,219	7,140	0	40	33,233
Feb 2019	14,930	10,833	1,030	12,060	170	760	39,783
Mar 2019	19,060	19,083	5,049	7,405	10	2,885	53,492
Apr 2019	19,210	19,712	502	1,755	890	3,075	45,144
May 2019	17,470	18,509	287	640	250	220	37,376
Jun 2019	18,120	18,873	348	430	130	230	38,131
Jul 2019	19,100	19,817	1,515	950	10	180	41,572

Table 1
LCRS Sump Pumping Log - Monthly Gallons Removed

	Sump ID						Total
	3-S	3-N	4-S	4-N	5-S	5-N	(All Sumps)
Aug 2019	20,060	20,862	7,524	0	130	160	48,736
Sep 2019	19,460	20,272	3,599	0	130	100	43,561
Oct 2019	20,780	21,774	815	2,760	90	70	46,289
Nov 2019	13,243	15,982	224	0	60	50	29,559
Dec 2019	6,727	7,132	10,718	0	30	130	24,738
Jan 2020	0	0	9,047	0	0	0	9,047
Feb 2020	0	0	1,019	0	0	0	1,019
Mar 2020	0	0	0	0	0	0	0
Apr 2020	0	0	0	0	0	0	0
May 2020	0	0	0	0	0	0	0
Jun 2020	0	0	0	0	0	0	0
Jul 2020	0	0	0	0	0	0	0
Aug 2020	0	0	0	0	0	0	0
Sep 2020	0	0	0	0	0	0	0
Oct 2020	0	0	0	0	0	0	0
Nov 2020	0	0	0	0	0	0	0
Dec 2020	0	0	0	0	0	0	0
Jan 2021	0	0	0	0	0	0	0
Feb 2021	0	0	0	0	0	0	0
Mar 2021	0	0	0	0	0	0	0
Apr 2021	0	0	0	0	0	0	0
May 2021	0	0	0	0	0	0	0
Jun 2021	0	0	0	0	0	0	0
Jul 2021	0	0	0	0	0	0	0
Aug 2021	0	0	0	0	0	0	0
Sep 2021	0	0	0	0	0	0	0
Oct 2021	0	0	0	0	0	0	0
Nov 2021	0	0	0	0	0	0	0
Dec 2021	0	0	0	0	0	0	0
Jan 2022	0	0	0	0	0	0	0
Feb 2022	0	0	0	0	0	0	0
Mar 2022	0	0	0	0	0	0	0
Apr 2022	0	0	0	0	0	0	0
May 2022	0	0	0	0	0	0	0
Jun 2022	0	0	0	0	0	0	0

Table 2
Evaporation Pond Discharge Volume

Month	Monthly Total (gallons)	12 Month Cumulative (gallons)	12 Month Average (gallons)	Quarterly Total (gallons)
Jan 1996	2,263,058			
Feb 1996	2,105,752			
Mar 1996	2,862,792			7,231,602
Apr 1996	2,308,868			
May 1996	3,207,411			
Jun 1996	4,325,367			9,841,646
Jul 1996	3,919,897			
Aug 1996	4,486,353			
Sep 1996	3,387,041			11,793,291
Oct 1996	1,902,024			
Nov 1996	786,743			
Dec 1996	1,873,601	33,428,907	2,785,742	4,562,368
Jan 1997	2,318,716	33,484,565	2,790,380	
Feb 1997	1,134,627	32,513,440	2,709,453	
Mar 1997	528,174	30,178,822	2,514,902	3,981,517
Apr 1997	1,828,015	29,697,969	2,474,831	
May 1997	2,726,594	29,217,152	2,434,763	
Jun 1997	3,301,716	28,193,501	2,349,458	7,856,325
Jul 1997	3,641,880	27,915,484	2,326,290	
Aug 1997	3,017,871	26,447,002	2,203,917	
Sep 1997	2,602,685	25,662,646	2,138,554	9,262,436
Oct 1997	1,924,350	25,684,972	2,140,414	
Nov 1997	1,493,903	26,392,132	2,199,344	
Dec 1997	1,805,651	26,324,182	2,193,682	5,223,904
Jan 1998	3,537,002	27,542,468	2,295,206	
Feb 1998	2,265,327	28,673,168	2,389,431	
Mar 1998	2,364,981	30,509,975	2,542,498	8,167,310
Apr 1998	2,043,750	30,725,710	2,560,476	
May 1998	1,813,393	29,812,509	2,484,376	
Jun 1998	1,850,855	28,361,648	2,363,471	5,707,998
Jul 1998	2,400,786	27,120,554	2,260,046	
Aug 1998	2,803,502	26,906,185	2,242,182	
Sep 1998	3,014,928	27,318,428	2,276,536	8,219,216
Oct 1998	2,757,923	28,152,001	2,346,000	
Nov 1998	1,517,904	28,176,002	2,348,000	
Dec 1998	1,834,399	28,204,750	2,350,396	6,110,226
Jan 1999	4,076,110	28,743,858	2,395,322	
Feb 1999	3,387,710	29,866,241	2,488,853	
Mar 1999	1,139,281	28,640,541	2,386,712	8,603,101
Apr 1999	1,909,531	28,506,322	2,375,527	
May 1999	2,598,508	29,291,437	2,440,953	
Jun 1999	3,610,729	31,051,311	2,587,609	8,118,768
Jul 1999	3,584,009	32,234,534	2,686,211	
Aug 1999	3,199,737	32,630,769	2,719,231	
Sep 1999	3,094,732	32,710,573	2,725,881	9,878,478
Oct 1999	3,215,390	33,168,040	2,764,003	
Nov 1999	1,459,301	33,109,437	2,759,120	
Dec 1999	2,562,290	33,837,328	2,819,777	7,236,981
Jan 2000	3,646,722	33,407,940	2,783,995	
Feb 2000	2,394,445	32,414,675	2,701,223	
Mar 2000	2,279,976	33,555,370	2,796,281	8,321,143
Apr 2000	3,040,666	34,686,505	2,890,542	
May 2000	3,913,917	36,001,914	3,000,160	
Jun 2000	4,239,841	36,631,026	3,052,586	11,194,424

Table 2
Evaporation Pond Discharge Volume

	Monthly Total	12 Month Cumulative	12 Month Average	Quarterly Total
Jul 2000	3,920,539	36,967,556	3,080,630	
Aug 2000	3,651,998	37,419,817	3,118,318	
Sep 2000	3,691,883	38,016,968	3,168,081	11,264,420
Oct 2000	3,174,352	37,975,930	3,164,661	
Nov 2000	2,746,446	39,263,075	3,271,923	
Dec 2000	2,469,791	39,170,576	3,264,215	8,390,589
Jan 2001	2,269,629	37,793,483	3,149,457	
Feb 2001	1,536,945	36,935,983	3,077,999	
Mar 2001	2,705,629	37,361,636	3,113,470	6,512,203
Apr 2001	2,547,247	36,868,217	3,072,351	
May 2001	3,549,275	36,503,575	3,041,965	
Jun 2001	4,123,676	36,387,410	3,032,284	10,220,198
Jul 2001	4,624,988	37,091,859	3,090,988	
Aug 2001	4,899,518	38,339,379	3,194,948	
Sep 2001	6,032,912	40,680,408	3,390,034	15,557,418
Oct 2001	4,424,702	41,930,758	3,494,230	
Nov 2001	4,081,470	43,265,782	3,605,482	
Dec 2001	3,038,386	43,834,377	3,652,865	11,544,558
Jan 2002	3,131,447	44,696,195	3,724,683	
Feb 2002	3,282,944	46,442,194	3,870,183	
Mar 2002	3,078,644	46,815,209	3,901,267	9,493,035
Apr 2002	2,148,342	46,416,304	3,868,025	
May 2002	3,937,106	46,804,135	3,900,345	
Jun 2002	4,950,271	47,630,730	3,969,228	11,035,719
Jul 2002	4,643,888	47,649,630	3,970,803	
Aug 2002	4,750,358	47,500,470	3,958,373	
Sep 2002	5,102,600	46,570,158	3,880,847	14,496,846
Oct 2002	3,974,889	46,120,345	3,843,362	
Nov 2002	2,048,483	44,087,358	3,673,947	
Dec 2002	2,141,065	43,190,037	3,599,170	8,164,437
Jan 2003	3,578,775	43,637,365	3,636,447	
Feb 2003	1,540,963	41,895,384	3,491,282	
Mar 2003	2,375,478	41,192,218	3,432,685	7,495,216
Apr 2003	2,130,629	41,174,505	3,431,209	
May 2003	3,111,650	40,349,049	3,362,421	
Jun 2003	4,407,610	39,806,388	3,317,199	9,649,889
Jul 2003	4,203,745	39,366,245	3,280,520	
Aug 2003	4,150,612	38,766,499	3,230,542	
Sep 2003	3,530,010	37,193,909	3,099,492	11,884,367
Oct 2003	3,027,060	36,246,080	3,020,507	
Nov 2003	3,591,714	37,789,311	3,149,109	
Dec 2003	2,617,252	38,265,498	3,188,792	9,236,026
Jan 2004	3,239,012	37,925,735	3,160,478	
Feb 2004	3,763,084	40,147,856	3,345,655	
Mar 2004	2,266,950	40,039,328	3,336,611	9,269,046
Apr 2004	2,598,214	40,506,913	3,375,576	
May 2004	3,524,160	40,919,423	3,409,952	
Jun 2004	4,745,555	41,257,368	3,438,114	10,867,929
Jul 2004	4,558,213	41,611,836	3,467,653	
Aug 2004	4,053,239	41,514,463	3,459,539	
Sep 2004	3,981,622	41,966,075	3,497,173	12,593,074
Oct 2004	3,175,522	42,114,537	3,509,545	
Nov 2004	3,039,619	41,562,442	3,463,537	
Dec 2004	2,538,254	41,483,444	3,456,954	8,753,395
Jan 2005	2,995,970	41,240,402	3,436,700	

Table 2
Evaporation Pond Discharge Volume

	Monthly Total	12 Month Cumulative	12 Month Average	Quarterly Total
Feb 2005	954,621	38,431,939	3,202,662	
Mar 2005	2,351,164	38,516,153	3,209,679	6,301,755
Apr 2005	3,326,730	39,244,669	3,270,389	
May 2005	3,420,816	39,141,325	3,261,777	
Jun 2005	2,965,836	37,361,606	3,113,467	9,713,382
Jul 2005	2,688,930	35,492,323	2,957,694	
Aug 2005	2,745,802	34,184,886	2,848,741	
Sep 2005	2,332,465	32,535,729	2,711,311	7,767,197
Oct 2005	1,781,061	31,141,268	2,595,106	
Nov 2005	1,038,195	29,139,844	2,428,320	
Dec 2005	4,078,065	30,679,655	2,556,638	6,897,321
Jan 2006	1,786,295	29,469,980	2,455,832	
Feb 2006	1,576,092	30,091,451	2,507,621	
Mar 2006	1,302,170	29,042,457	2,420,205	4,664,557
Apr 2006	2,181,583	27,897,310	2,324,776	
May 2006	2,314,738	26,791,232	2,232,603	
Jun 2006	2,160,030	25,985,426	2,165,452	6,656,351
Jul 2006	2,477,832	25,774,328	2,147,861	
Aug 2006	2,560,102	25,588,628	2,132,386	
Sep 2006	2,404,240	25,660,403	2,138,367	7,442,174
Oct 2006	1,164,134	25,043,476	2,086,956	
Nov 2006	1,469,601	25,474,882	2,122,907	
Dec 2006	3,687,787	25,084,604	2,090,384	6,321,522
Jan 2007	2,829,728	26,128,037	2,177,336	
Feb 2007	1,587,313	26,139,258	2,178,272	
Mar 2007	2,677,341	27,514,429	2,292,869	7,094,382
Apr 2007	2,459,645	27,792,491	2,316,041	
May 2007	3,749,697	29,227,450	2,435,621	
Jun 2007	3,832,867	30,900,287	2,575,024	10,042,209
Jul 2007	3,250,085	31,672,540	2,639,378	
Aug 2007	2,964,290	32,076,728	2,673,061	
Sep 2007	4,233,344	33,905,832	2,825,486	10,447,719
Oct 2007	2,640,854	35,382,552	2,948,546	
Nov 2007	2,083,591	35,996,542	2,999,712	
Dec 2007	3,169,881	35,478,636	2,956,553	7,894,326
Jan 2008	1,308,257	33,957,165	2,829,764	
Feb 2008	1,195,332	33,565,184	2,797,099	
Mar 2008	2,397,091	33,284,934	2,773,745	4,900,680
Apr 2008	2,724,097	33,549,386	2,795,782	
May 2008	3,305,489	33,105,178	2,758,765	
Jun 2008	4,703,559	33,975,870	2,831,323	10,733,145
Jul 2008	4,053,708	34,779,493	2,898,291	
Aug 2008	4,160,110	35,975,313	2,997,943	
Sep 2008	4,623,231	36,365,200	3,030,433	12,837,049
Oct 2008	2,175,441	35,899,787	2,991,649	
Nov 2008	1,723,207	35,539,403	2,961,617	
Dec 2008	2,189,926	34,559,448	2,879,954	6,088,574
Jan 2009	4,243,568	37,494,759	3,124,563	
Feb 2009	1,332,332	37,631,759	3,135,980	
Mar 2009	3,074,134	38,308,802	3,192,400	8,650,034
Apr 2009	3,743,004	39,327,709	3,277,309	
May 2009	3,450,814	39,473,034	3,289,420	
Jun 2009	5,103,194	39,872,669	3,322,722	12,297,012
Jul 2009	5,810,764	41,629,725	3,469,144	
Aug 2009	4,216,156	41,685,771	3,473,814	

Table 2
Evaporation Pond Discharge Volume

	Monthly Total	12 Month Cumulative	12 Month Average	Quarterly Total
Sep 2009	4,624,172	41,686,712	3,473,893	14,651,092
Oct 2009	2,617,044	42,128,315	3,510,693	
Nov 2009	2,814,632	43,219,740	3,601,645	
Dec 2009	3,211,378	44,241,192	3,686,766	8,643,054
Jan 2010	591,104	40,588,728	3,382,394	
Feb 2010	1,340,592	40,596,988	3,383,082	
Mar 2010	1,493,816	39,016,670	3,251,389	3,425,512
Apr 2010	2,694,588	37,968,254	3,164,021	
May 2010	3,273,896	37,791,336	3,149,278	
Jun 2010	5,009,944	37,698,086	3,141,507	10,978,428
Jul 2010	4,627,952	36,515,274	3,042,940	
Aug 2010	4,264,960	36,564,078	3,047,007	
Sep 2010	4,334,792	36,274,698	3,022,892	13,227,704
Oct 2010	2,654,848	36,312,502	3,026,042	
Nov 2010	2,065,016	35,562,886	2,963,574	
Dec 2010	2,935,224	35,286,732	2,940,561	7,655,088
Jan 2011	1,501,352	36,196,980	3,016,415	
Feb 2011	930,464	35,786,852	2,982,238	
Mar 2011	1,362,752	35,655,788	2,971,316	3,794,568
Apr 2011	2,122,712	35,083,912	2,923,659	
May 2011	2,344,240	34,154,256	2,846,188	
Jun 2011	3,604,248	32,748,560	2,729,047	8,071,200
Jul 2011	3,331,562	31,452,170	2,621,014	
Aug 2011	3,570,989	30,758,199	2,563,183	
Sep 2011	3,157,800	29,581,207	2,465,101	10,060,351
Oct 2011	2,554,782	29,481,141	2,456,762	
Nov 2011	1,657,194	29,073,319	2,422,777	
Dec 2011	1,852,132	27,990,227	2,332,519	6,064,108
Jan 2012	1,747,803	28,236,678	2,353,057	
Feb 2012	1,539,536	28,845,750	2,403,813	
Mar 2012	3,427,598	30,910,596	2,575,883	6,714,937
Apr 2012	3,992,856	32,780,740	2,731,728	
May 2012	3,749,440	34,185,940	2,848,828	
Jun 2012	4,935,144	35,516,836	2,959,736	12,677,440
Jul 2012	4,928,942	37,114,216	3,092,851	
Aug 2012	3,830,440	37,373,667	3,114,472	
Sep 2012	4,758,703	38,974,570	3,247,881	13,518,085
Oct 2012	3,149,724	39,569,512	3,297,459	
Nov 2012	2,918,303	40,830,621	3,402,552	
Dec 2012	1,368,020	40,346,509	3,362,209	7,436,047
Jan 2013	2,147,108	40,745,814	3,395,485	
Feb 2013	283,008	39,489,286	3,290,774	
Mar 2013	2,579,696	38,641,384	3,220,115	5,009,812
Apr 2013	2,608,004	37,256,532	3,104,711	
May 2013	3,782,928	37,290,020	3,107,502	
Jun 2013	4,483,639	36,838,515	3,069,876	10,874,571
Jul 2013	3,904,177	35,813,750	2,984,479	
Aug 2013	4,380,264	36,363,574	3,030,298	
Sep 2013	4,370,912	35,975,783	2,997,982	12,655,353
Oct 2013	2,602,304	35,428,363	2,952,364	
Nov 2013	1,597,072	34,107,132	2,842,261	
Dec 2013	932,944	33,672,056	2,806,005	5,132,320
Jan 2014	962,288	32,487,236	2,707,270	
Feb 2014	1,100,232	33,304,460	2,775,372	
Mar 2014	2,364,856	33,089,620	2,757,468	4,427,376

Table 2
Evaporation Pond Discharge Volume

	Monthly Total	12 Month Cumulative	12 Month Average	Quarterly Total
Apr 2014	2,288,464	32,770,080	2,730,840	
May 2014	3,409,337	32,396,489	2,699,707	
Jun 2014	4,377,777	32,290,627	2,690,886	10,075,578
Jul 2014	4,439,752	32,826,202	2,735,517	
Aug 2014	4,343,364	32,789,302	2,732,442	
Sep 2014	4,319,778	32,738,168	2,728,181	13,102,894
Oct 2014	2,542,364	32,678,228	2,723,186	
Nov 2014	1,711,566	32,792,722	2,732,727	
Dec 2014	1,691,148	33,550,926	2,795,911	5,945,078
Jan 2015	1,432,512	34,021,150	2,835,096	
Feb 2015	1,529,045	34,449,963	2,870,830	
Mar 2015	2,001,958	34,087,065	2,840,589	4,963,515
Apr 2015	2,221,778	34,020,379	2,835,032	
May 2015	1,218,467	31,829,509	2,652,459	
Jun 2015	5,039,750	32,491,482	2,707,624	8,479,995
Jul 2015	4,562,711	32,614,441	2,717,870	
Aug 2015	4,725,594	32,996,671	2,749,723	
Sep 2015	3,856,472	32,533,365	2,711,114	13,144,777
Oct 2015	1,298,326	31,289,327	2,607,444	
Nov 2015	1,111,868	30,689,629	2,557,469	
Dec 2015	927,556	29,926,037	2,493,836	3,337,750
Jan 2016	987,984	29,481,509	2,456,792	
Feb 2016	1,583,594	29,536,058	2,461,338	
Mar 2016	1,535,087	29,069,187	2,422,432	4,106,665
Apr 2016	1,812,245	28,659,654	2,388,305	
May 2016	2,714,943	30,156,130	2,513,011	
Jun 2016	4,214,713	29,331,093	2,444,258	8,741,901
Jul 2016	4,988,299	29,756,681	2,479,723	
Aug 2016	4,902,870	29,933,957	2,494,496	
Sep 2016	4,067,596	30,145,081	2,512,090	13,958,765
Oct 2016	2,553,972	31,400,727	2,616,727	
Nov 2016	1,182,796	31,471,655	2,622,638	
Dec 2016	2,347,746	32,891,845	2,740,987	6,084,514
Jan 2017	895,824	32,799,685	2,733,307	
Feb 2017	882,986	32,099,077	2,674,923	
Mar 2017	1,645,472	32,209,462	2,684,122	3,424,282
Apr 2017	2,619,988	33,017,205	2,751,434	
May 2017	3,069,552	33,371,814	2,780,985	
Jun 2017	4,014,052	33,171,153	2,764,263	9,703,592
Jul 2017	5,217,836	33,400,690	2,783,391	
Aug 2017	4,725,594	33,223,414	2,768,618	
Sep 2017	4,067,596	33,223,414	2,768,618	14,011,026
Oct 2017	1,298,326	31,967,768	2,663,981	
Nov 2017	1,657,194	32,442,166	2,703,514	
Dec 2017	932,944	31,027,364	2,585,614	3,888,464
Jan 2018	236,168	30,367,708	2,530,642	
Feb 2018	1,464,848	30,949,570	2,579,131	
Mar 2018	1,801,869	31,105,967	2,592,164	3,502,885
Apr 2018	2,984,041	31,470,020	2,622,502	
May 2018	1,742,927	30,143,395	2,511,950	
Jun 2018	5,851,881	31,981,224	2,665,102	10,578,849
Jul 2018	4,901,040	31,664,428	2,638,702	
Aug 2018	5,075,686	32,014,520	2,667,877	
Sep 2018	5,321,544	33,268,468	2,772,372	15,298,270
Oct 2018	3,532,080	35,502,222	2,958,519	

Table 2
Evaporation Pond Discharge Volume

	Monthly Total	12 Month Cumulative	12 Month Average	Quarterly Total
Nov 2018	1,731,221	35,576,249	2,964,687	
Dec 2018	2,487,918	37,131,223	3,094,269	7,751,219
Jan 2019	1,969,835	38,864,890	3,238,741	
Feb 2019	467,422	37,867,464	3,155,622	
Mar 2019	287,025	36,352,620	3,029,385	2,724,282
Apr 2019	2,570,463	35,939,042	2,994,920	
May 2019	2,654,643	36,850,758	3,070,897	
Jun 2019	3,707,290	34,706,167	2,892,181	8,932,396
Jul 2019	4,054,589	33,859,716	2,821,643	
Aug 2019	4,252,596	33,036,626	2,753,052	
Sep 2019	2,062,880	29,777,962	2,481,497	10,370,065
Oct 2019	1,386,727	27,632,609	2,302,717	
Nov 2019	2,487,918	28,389,306	2,365,776	
Dec 2019	365,364	26,266,752	2,188,896	4,240,009
Jan 2020	48,375	24,345,292	2,028,774	
Feb 2020	22,765	23,900,635	1,991,720	
Mar 2020	0	23,613,610	1,967,801	71,140
Apr 2020	0	21,043,147	1,753,596	
May 2020	0	18,388,504	1,532,375	
Jun 2020	0	14,681,214	1,223,435	0
Jul 2020	0	10,626,625	885,552	
Aug 2020	0	6,374,029	531,169	
Sep 2020	0	4,311,149	359,262	0
Oct 2020	0	2,924,422	243,702	
Nov 2020	0	436,504	36,375	
Dec 2020	0	71,140	5,928	0
Jan 2021	0	22,765	1,897	
Feb 2021	0	0	0	
Mar 2021	0	0	0	0
Apr 2021	0	0	0	
May 2021	0	0	0	
Jun 2021	0	0	0	0
Jul 2021	0	0	0	
Aug 2021	0	0	0	
Sep 2021	0	0	0	0
Oct 2021	0	0	0	
Nov 2021	0	0	0	
Dec 2021	0	0	0	0
Jan 2022	0	0	0	
Feb 2022	0	0	0	
Mar 2022	0	0	0	0
Apr 2022	0	0	0	
May 2022	0	0	0	
Jun 2022	0	0	0	0

Table 3
Groundwater Monitoring Results - Year to Date

					Sample ID				
Quarter	Analyte	EPA Method	Reporting Limit	Units	MW-1	MW-2	MW-3	MW-4	DUP [1]
Q1 2022	Sodium	6010B	0.50	mg/L	310	310	270	230	340
Q2 2022	Sodium	6010B	0.50	mg/L	330	300	250	220	330
Q1 2022	Sulfate	300.0	25	mg/L	310	230	200	180	320
Q2 2022	Sulfate	300.0	25	mg/L	320	230	210	300	190
Q1 2022	Total Dissolved Solids	SM2540C	10	mg/L	1,200	1,100	930	840	1,300
Q2 2022	Total Dissolved Solids	SM2540C	10	mg/L	1,200	1,100	910	830	1,300
Q1 2022	Temperature	Field Parameter	N/A	Degrees Celsius	21.9	23.4	23.1	22.6	21.9
Q2 2022	Temperature	Field Parameter	N/A	Degrees Celsius	23.1	22.4	23.6	22.6	23.1
Q1 2022	pH	Field Parameter	N/A	Standard Units	7.42	7.24	7.22	7.11	7.42
Q2 2022	pH	Field Parameter	N/A	Standard Units	7.38	7.21	7.20	7.22	7.38
Q1 2022	Specific Conductivity	Field Parameter	N/A	µmhos/cm	1,950	1,810	1,520	1,350	1,950
Q2 2022	Specific Conductivity	Field Parameter	N/A	µmhos/cm	1,960	1,780	1,530	1,380	1,960
Q1 2022	Static Water Level	Field Parameter	N/A	Feet amsl	2,303.34	2,233.07	2,283.15	2,284.43	2,303.34
Q2 2022	Static Water Level	Field Parameter	N/A	Feet amsl	2,303.34	2,233.42	2,283.05	2,284.38	2,303.34

Notes:

ND = Not Detected at or above the laboratory reporting limit

[1] - The duplicate sample was collected from MW-1 for all quarters of 2022.

Table 4
Neutron Probe Monitoring Results - Horizontal Wells

Distance from Point of Entry (feet)	Percent Moisture by Volume - First Quarter 2022									
	HN-1 (% H_2O)	HN-2 (% H_2O)	HN-3 (% H_2O)	HN-4 (% H_2O)	HN-5 (% H_2O)	HN-6 (% H_2O)	HN-7 (% H_2O)	HN-8 (% H_2O)	HN-9 (% H_2O)	HN-10 (% H_2O)
West Side of Ponds										
25	13.98	N/A[1]	N/A[1]	N/A[1]	N/A[1]	20.81	12.98	14.98	14.14	10.63
50	8.35	N/A[1]	N/A[1]	N/A[1]	N/A[1]	12.08	11.48	14.70	9.87	10.54
75	12.72	N/A[1]	N/A[1]	N/A[1]	N/A[1]	14.60	12.62	15.81	17.21	9.74
100	11.84	N/A[1]	N/A[1]	N/A[1]	N/A[1]	13.63	13.27	10.26	9.85	10.75
200	12.81	N/A[1]	N/A[1]	N/A[1]	N/A[1]	8.14	9.34	9.41	12.96	10.47
300	11.13	N/A[1]	N/A[1]	N/A[1]	N/A[1]	7.96	12.33	10.21	9.50	9.46
400	14.07	N/A[1]	N/A[1]	N/A[1]	N/A[1]	8.32	15.27	9.25	8.71	11.78
500	9.26	N/A[1]	N/A[1]	N/A[1]	N/A[1]	9.64	16.59	10.37	9.52	9.17
East Side of Ponds										
25	11.52	N/A[1]	N/A[1]	N/A[1]	N/A[1]	11.36	12.56	10.08	9.76	9.55
50	10.54	N/A[1]	N/A[1]	N/A[1]	N/A[1]	13.07	10.34	11.20	9.79	9.77
75	13.25	N/A[1]	N/A[1]	N/A[1]	N/A[1]	13.24	12.51	11.03	9.81	9.54
100	12.25	N/A[1]	N/A[1]	N/A[1]	N/A[1]	12.28	13.32	10.08	9.02	10.24
200	12.77	N/A[1]	N/A[1]	N/A[1]	N/A[1]	9.55	15.45	9.67	9.57	10.63
300	9.63	N/A[1]	N/A[1]	N/A[1]	N/A[1]	10.08	16.25	8.66	9.90	8.99
400	15.21	N/A[1]	N/A[1]	N/A[1]	N/A[1]	8.21	17.26	9.24	9.33	12.55
500	9.83	N/A[1]	N/A[1]	N/A[1]	N/A[1]	8.91	12.14	10.06	8.51	9.70

Note: Data collected using a CPN Model 503 DR Hydro-Probe™ Neutron Moisture Gauge

1) Well not accessible - blocked by construction

Distance from Point of Entry (feet)	Percent Moisture by Volume - Second Quarter 2022									
	HN-1 (% H_2O)	HN-2 (% H_2O)	HN-3 (% H_2O)	HN-4 (% H_2O)	HN-5 (% H_2O)	HN-6 (% H_2O)	HN-7 (% H_2O)	HN-8 (% H_2O)	HN-9 (% H_2O)	HN-10 (% H_2O)
West Side of Ponds										
25	13.61	N/A[1]	N/A[1]	N/A[1]	N/A[1]	N/A[1]	12.75	15.45	13.65	10.35
50	11.14	N/A[1]	N/A[1]	N/A[1]	N/A[1]	N/A[1]	11.69	15.10	9.65	10.65
75	11.34	N/A[1]	N/A[1]	N/A[1]	N/A[1]	N/A[1]	12.33	15.92	13.73	9.79
100	11.94	N/A[1]	N/A[1]	N/A[1]	N/A[1]	N/A[1]	13.18	10.95	9.15	10.45
200	11.04	N/A[1]	N/A[1]	N/A[1]	N/A[1]	N/A[1]	9.28	8.70	13.13	11.32
300	11.04	N/A[1]	N/A[1]	N/A[1]	N/A[1]	N/A[1]	12.84	10.71	9.68	9.63
400	14.07	N/A[1]	N/A[1]	N/A[1]	N/A[1]	N/A[1]	14.92	9.06	9.65	11.83
500	8.88	N/A[1]	N/A[1]	N/A[1]	N/A[1]	N/A[1]	15.79	10.69	10.13	9.55
East Side of Ponds										
25	12.33	N/A[1]	N/A[1]	N/A[1]	N/A[1]	N/A[1]	11.74	10.83	10.40	9.22
50	10.63	N/A[1]	N/A[1]	N/A[1]	N/A[1]	N/A[1]	9.81	12.10	10.36	9.25
75	12.50	N/A[1]	N/A[1]	N/A[1]	N/A[1]	N/A[1]	12.74	10.94	10.05	9.86
100	12.81	N/A[1]	N/A[1]	N/A[1]	N/A[1]	N/A[1]	13.41	10.51	8.94	11.13
200	11.89	N/A[1]	N/A[1]	N/A[1]	N/A[1]	N/A[1]	14.94	9.74	10.18	10.32
300	10.19	N/A[1]	N/A[1]	N/A[1]	N/A[1]	N/A[1]	16.85	8.89	10.10	8.96
400	15.61	N/A[1]	N/A[1]	N/A[1]	N/A[1]	N/A[1]	17.26	9.65	9.47	11.12
500	11.42	N/A[1]	N/A[1]	N/A[1]	N/A[1]	N/A[1]	12.91	10.88	8.30	9.73

Note: Data collected using a CPN Model 503 DR Hydro-Probe™ Neutron Moisture Gauge

1) Well not accessible - blocked by construction

Table 5
Neutron Probe Monitoring Results - Vertical Wells

Distance from Point of Entry (feet)	Percent Moisture by Volume - First Quarter 2022										
	VN-1 (% H_2O)	VN-2 (% H_2O)	VN-3 (% H_2O)	VN-4 (% H_2O)	VN-5 (% H_2O)	VN-6 (% H_2O)	VN-7 (% H_2O)	VN-8 (% H_2O)	VN-9 (% H_2O)	VN-10 (% H_2O)	VN-11 (% H_2O)
5	1.09		1.77	2.19	1.51	1.25	1.68	1.46	2.19	1.71	1.14
10	1.78		1.86	1.84	1.47	1.94	2.51	1.65	2.01	2.13	1.17
15	1.51		1.15	1.92	0.77	2.25	1.77	2.13	1.43	1.63	1.77
20	1.22		1.89	2.36	1.60	1.39	2.25	1.93	1.11	1.88	1.90
25	1.96		1.68	1.19	1.73	2.17	2.19	1.32	1.70	0.90	1.93
30	2.07		1.54	1.93	1.47	2.30	1.63	1.58	1.51	1.42	1.19
35	2.27		1.87	1.40	1.49	2.61	2.01	1.78	1.93	1.81	1.34
40	1.27		1.99	2.00	1.85	1.95	2.00	1.55	1.84	1.60	1.91
45	1.75		1.87	1.56	1.62	1.28	1.09	1.48	2.56	2.65	1.82
50	1.27		1.37	2.55	1.79	2.72	2.71		2.31	1.33	
55			2.15	2.09		2.49	2.74				
60						2.22	2.71				

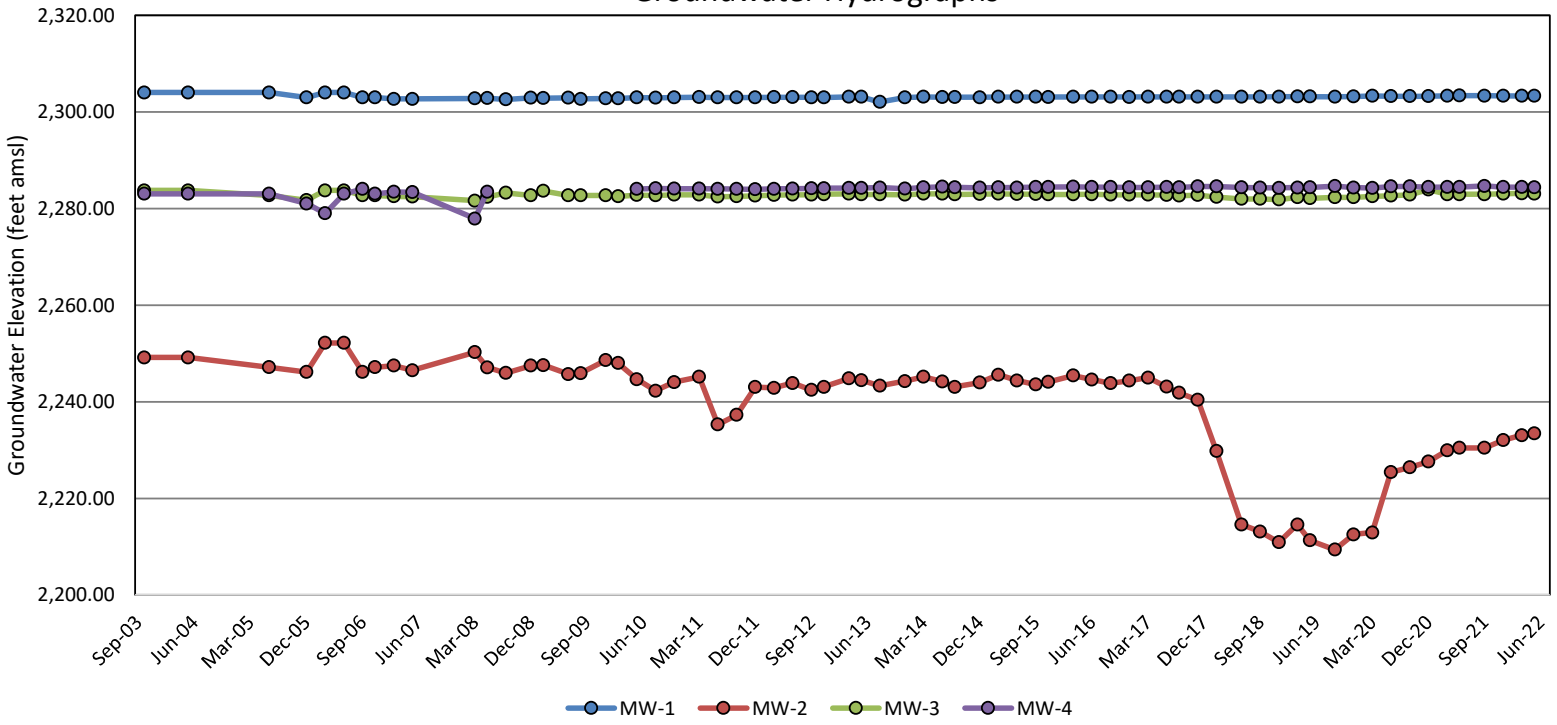
Note: Data collected using a CPN Model 503 DR Hydro-Probe™ Neutron Moisture Gauge

Distance from Point of Entry (feet)	Percent Moisture by Volume - Second Quarter 2022										
	VN-1 (% H_2O)	VN-2 (% H_2O)	VN-3 (% H_2O)	VN-4 (% H_2O)	VN-5 (% H_2O)	VN-6 (% H_2O)	VN-7 (% H_2O)	VN-8 (% H_2O)	VN-9 (% H_2O)	VN-10 (% H_2O)	VN-11 (% H_2O)
5	1.11		1.76	2.08	1.55	1.24	1.57	1.31	1.59	1.77	1.17
10	1.75		1.82	2.60	1.39	1.82	2.55	1.66	1.92	2.15	1.14
15	1.60		1.14	1.91	0.81	2.25	1.79	1.62	1.39	1.63	1.71
20	1.20		1.82	1.89	1.51	1.35	2.14	1.88	1.11	1.86	1.99
25	1.99		1.71	1.21	1.86	2.19	2.14	1.27	1.84	0.90	1.17
30	1.98		1.46	1.12	1.45	2.30	1.46	1.55	1.48	1.51	1.35
35	2.11		2.35	1.44	1.43	2.66	1.99	1.71	1.75	1.88	1.94
40	1.24		1.99	2.07	1.81	1.90	2.18	1.53	1.79	1.55	1.82
45	1.41		1.84	1.43	1.76	1.24	1.08	1.43	2.32	2.66	1.60
50	1.30		1.51	2.70	1.85	2.68	2.71		2.11	1.31	
55			2.26	2.01		2.51	1.71				
60						2.22	2.58				

Note: Data collected using a CPN Model 503 DR Hydro-Probe™ Neutron Moisture Gauge

CHARTS

Chart 1
Groundwater Hydrographs



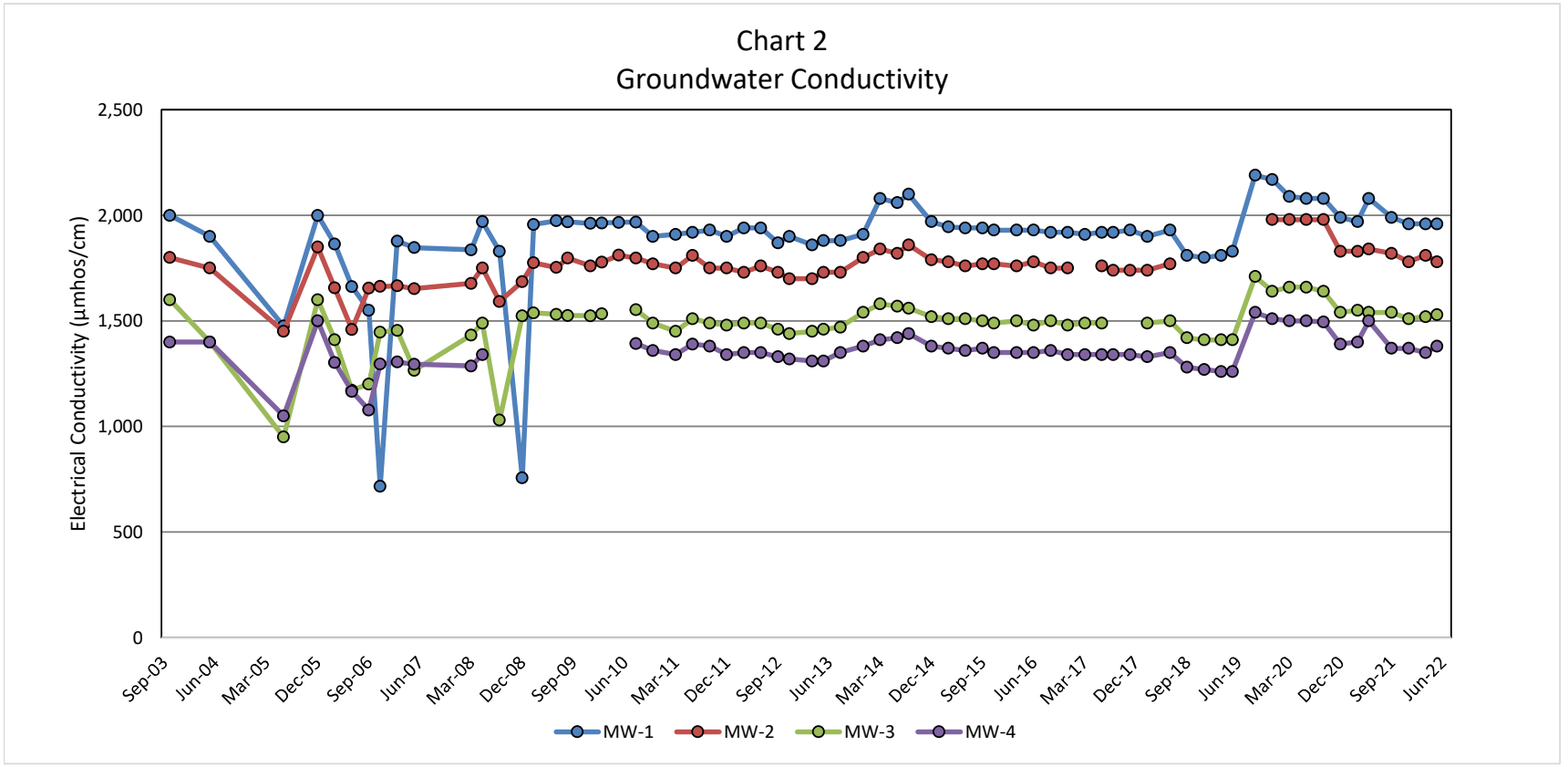


Chart 2
Groundwater Conductivity
Electrical Conductivity (µmhos/cm)
2,500
2,000
1,500
1,000
500
0
Sep-03
Jun-04
Mar-05
Dec-05
Sep-06
Jun-07
Mar-08
Dec-08
Sep-09
Jun-10
Mar-11
Dec-11
Sep-12
Jun-13
Mar-14
Dec-14
Sep-15
Jun-16
Mar-17
Dec-17
Sep-18
Jun-19
Mar-20
Dec-20
Sep-21
Jun-22
MW-1
MW-2
MW-3
MW-4

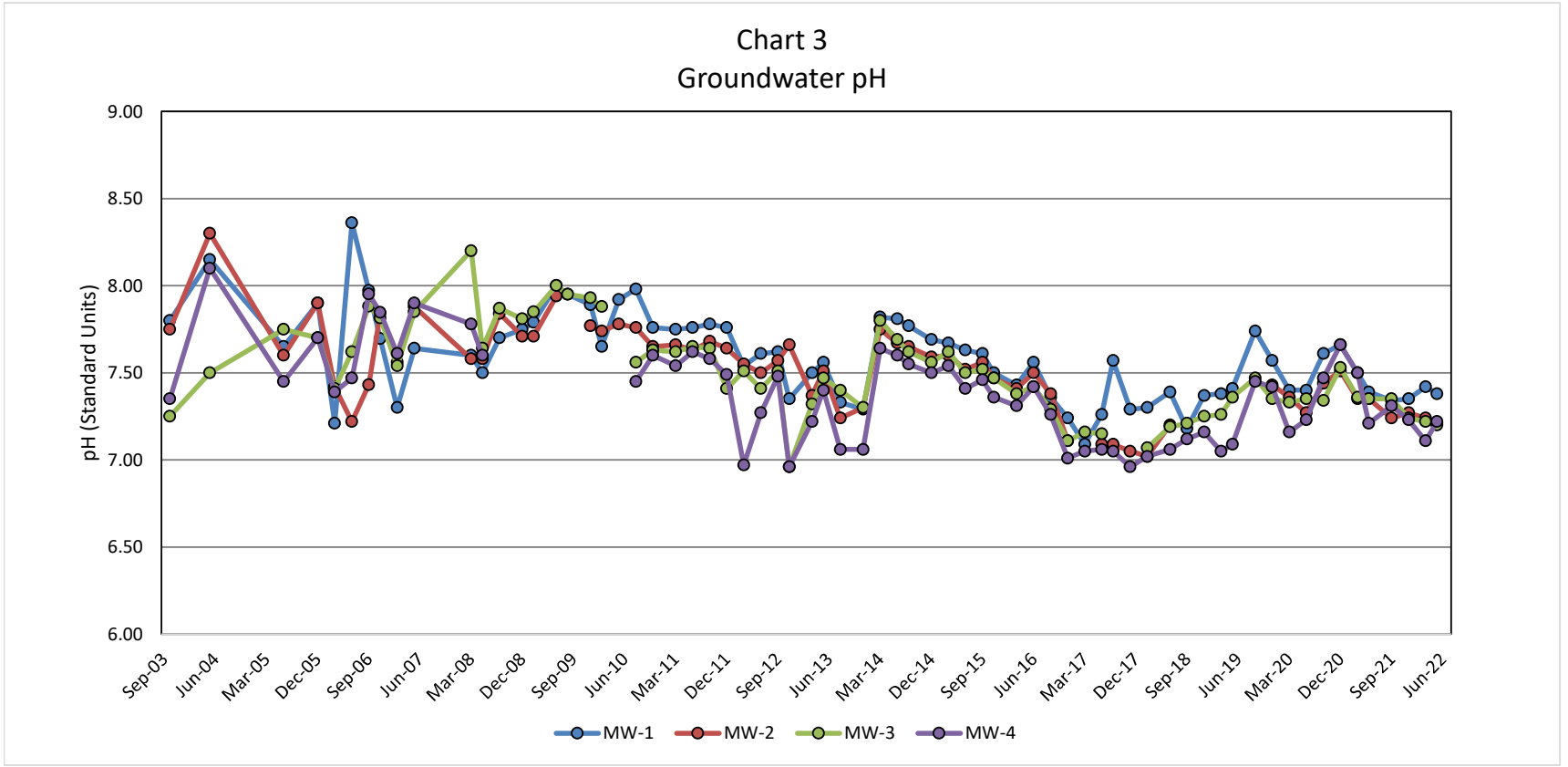
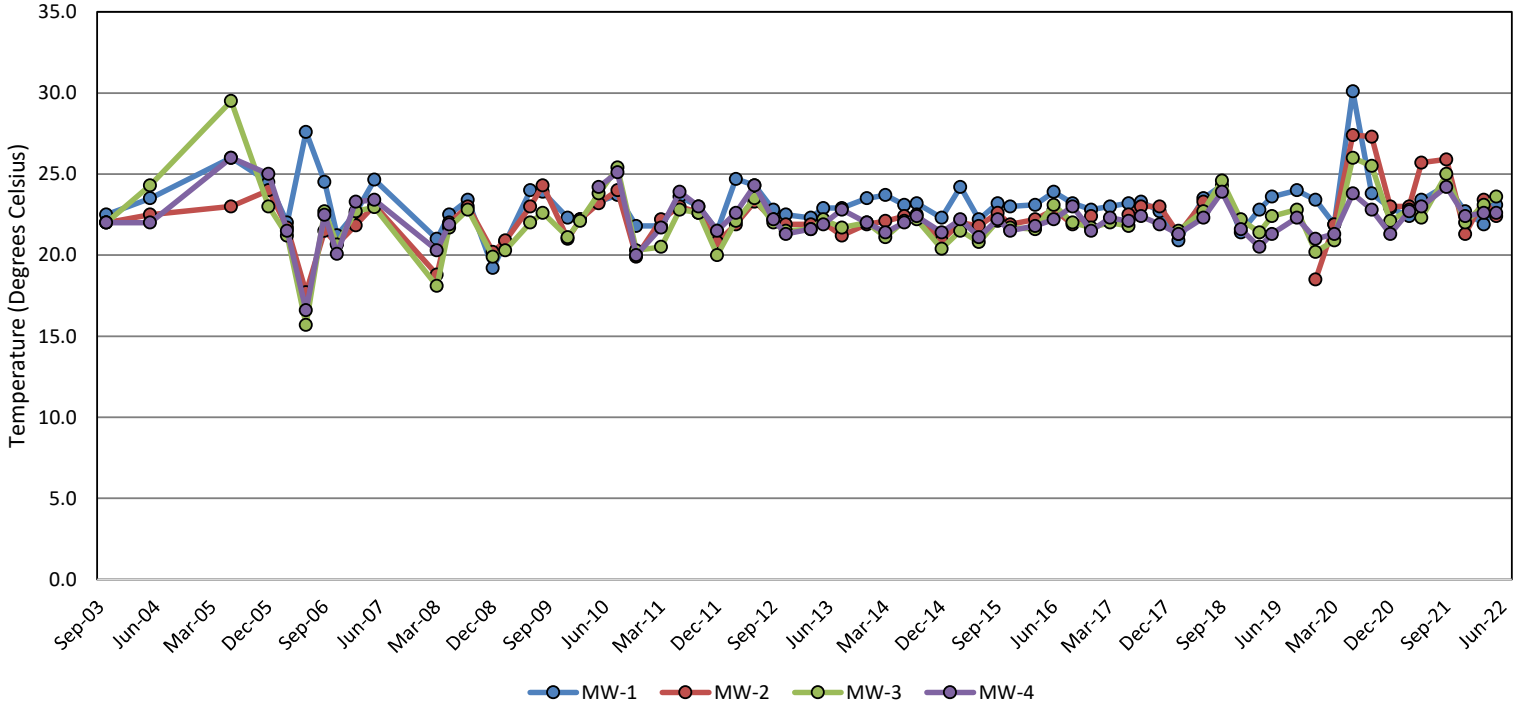


Chart 3
Groundwater pH
pH (Standard Units)
9.00
8.50
8.00
7.50
7.00
6.50
6.00
Sep-03
Jun-04
Mar-05
Dec-05
Sep-06
Jun-07
Mar-08
Dec-08
Sep-09
Jun-10
Mar-11
Dec-11
Sep-12
Jun-13
Mar-14
Dec-14
Sep-15
Jun-16
Mar-17
Dec-17
Sep-18
Jun-19
Mar-20
Dec-20
Sep-21
Jun-22
MW-1
MW-2
MW-3
MW-4

Chart 4
Groundwater Temperature



APPENDIX A

GROUNDWATER MONITORING WELL SAMPLING RECORDS

MONITORING WELL SAMPLING RECORD

Project:	SEGS III - VII Kramer Junction	Technician:	Ralph De La Parra
Date:	March 26, 2022	Weather:	Clear, Cool

Purge Volume Calculations

Monitoring Well ID:	**MW-1**		Depth to Water:	170.60 ft btoc		(b)
Elevation of Top of Casing:	2474.00 ft amsl	(a)	Water Elevation (a - b):	2303.34 ft amsl		(c)
Well Depth:	335.50 ft btoc		Water Thickness (c - d):	164.84 feet		(e)
Elevation of Bottom of Well:	2138.50 ft amsl	(d)	One Casing Volume (e * 1.47):	242.31 gallons		(f)
Casing Inside Diameter:	6.0 inches		Three Casing Volumes (f * 3):	726.93 gallons		

Monitoring Well Purge Data

Purging Apparatus: Dedicated Pump

Sampling Apparatus: Pump Discharge

Decon Methods:

Time	Purge Rate (gpm)	Purge Volume (gallons)	Temp (Deg C)	pH	Specific Conductivity (µmhos/cm)	Notes
805	20	100	19.4	7.74	1,950	Clear, odorless
810	20	200	21.6	7.42	1,960	Clear, odorless
815	20	300	21.7	7.42	1,960	Clear, odorless
830	20	600	21.8	7.42	1,960	Clear, odorless
840	20	800	21.9	7.42	1,960	Clear, odorless

Total Purged: 800 gallons Casing Volumes Purged: 3.30 volumes

Additional Notes or Comments:

Sample Inventory

Sample ID	Time	# of Bottles	Analysis	Filtered	Notes
MW-1-3-26-22	840	3	Quarterly	No	1-250ml w/ nitric, 2-250ml unpre
Dup-3-18-21		3	Quarterly	No	Dup Collected

MONITORING WELL SAMPLING RECORD

Project:	SEGS III - VII Kramer Junction	Technician:	Ralph De La Parra
Date:	March 26, 2022	Weather:	Clear, Warm

Purge Volume Calculations

Monitoring Well ID:	**MW-2**		Depth to Water:	221.1	ft btoc	(b)
Elevation of Top of Casing:	2454.17 ft amsl	(a)	Water Elevation (a - b):	2233.07	ft amsl	(c)
Well Depth:	257.80 ft btoc		Water Thickness (c - d):	36.7	feet	(e)
Elevation of Bottom of Well:	2196.37 ft amsl	(d)	One Casing Volume (e * 1.47):	53.95	gallons	(f)
Casing Inside Diameter:	6.0 inches		Three Casing Volumes (f * 3):	161.85	gallons	

Monitoring Well Purge Data

Purging Apparatus: Dedicated Pump

Sampling Apparatus: Pump Discharge

Decon Methods:

Time	Purge Rate (gpm)	Purge Volume (gallons)	Temp (Deg C)	pH	Specific Conductivity (µmhos/cm)	Notes
905	1.5	15	23.0	7.21	1,810	Very Cloudy, odorless
915	1.5	30	23.1	7.24	1,810	Very Cloudy, odorless
925	1.5	45	23.2	7.24	1,810	Clear, odorless
945	1.5	75	23.2	7.24	1,810	Clear, odorless
1005	1.5	105	23.3	7.24	1,810	Clear, odorless
1025	1.5	135	23.3	7.24	1,810	Clear, odorless
1045	1.5	165	23.4	7.24	1,810	Clear, odorless

Total Purged: 165 gallons Casing Volumes Purged: 3.05 volumes

Note: 55Hz on VFD to get 1.5 GPM

Sample Inventory

Sample ID	Time	# of Bottles	Analysis	Filtered	Notes
MW-2-3-26-22	1045	3	Quarterly	No	1-250ml w/ nitric, 2-250ml unpre

MONITORING WELL SAMPLING RECORD

Project:	SEGS III - VII Kramer Junction	Technician:	Ralph De La Parra
Date:	March 26, 2022	Weather:	Clear, Warm

Purge Volume Calculations

Monitoring Well ID:	**MW-3**		Depth to Water:	171.6 ft btoc		(b)
Elevation of Top of Casing:	2454.75 ft amsl	(a)	Water Elevation (a - b):	2283.15 ft amsl		(c)
Well Depth:	259.00 ft btoc		Water Thickness (c - d):	87.4 feet		(e)
Elevation of Bottom of Well:	2195.75 ft amsl	(d)	One Casing Volume (e * 1.47):	128.48 gallons		(f)
Casing Inside Diameter:	6.0 inches		Three Casing Volumes (f * 3):	385.44 gallons		

Monitoring Well Purge Data

Purging Apparatus: Dedicated Pump

Sampling Apparatus: Pump Discharge

Decon Methods:

Time	Purge Rate (gpm)	Purge Volume (gallons)	Temp (Deg C)	pH	Specific Conductivity (µmhos/cm)	Notes
1100	3	15	22.5	7.21	1,520	Clear, Odorless
1105	3	30	22.5	7.22	1,520	Clear, Odorless
1125	3	90	22.6	7.22	1,520	Clear, Odorless
1155	3	180	22.7	7.22	1,520	Clear, Odorless
1225	3	270	22.9	7.22	1,520	Clear, Odorless
1255	3	360	23.0	7.22	1,520	Clear, Odorless
1310	3	405	23.1	7.22	1,520	Clear, Odorless

Total Purged: 405 gallons Casing Volumes Purged: 3.15 volumes

Note: 51Hz on VFD to get 3 GPM

Sample Inventory

Sample ID	Time	# of Bottles	Analysis	Filtered	Notes
MW-3-3-26-22	1310	3	Quarterly	No	1-250ml w/ nitric, 2-250ml unpre

MONITORING WELL SAMPLING RECORD

Project:	SEGS III - VII Kramer Junction	Technician:	Ralph De La Parra
Date:	March 26, 2022	Weather:	Clear, Warm

Purge Volume Calculations

Monitoring Well ID:	**MW-4**		Depth to Water:	174.6 ft btoc		(b)
Elevation of Top of Casing:	2459.03 ft amsl	(a)	Water Elevation (a - b):	2284.43 ft amsl		(c)
Well Depth:	258.50 ft btoc		Water Thickness (c - d):	83.9 feet		(e)
Elevation of Bottom of Well:	2200.53 ft amsl	(d)	One Casing Volume (e * 1.47):	123.33 gallons		(f)
Casing Inside Diameter:	6.0 inches		Three Casing Volumes (f * 3):	369.99 gallons		

Monitoring Well Purge Data

Purging Apparatus: Dedicated Pump

Sampling Apparatus: Pump Discharge

Decon Methods:

Time	Purge Rate (gpm)	Purge Volume (gallons)	Temp (Deg C)	pH	Specific Conductivity (µmhos/cm)	Notes
1325	10	50	22.6	7.20	1,350	Clear, odorless
1330	10	100	22.6	7.13	1,350	Clear, odorless
1340	10	200	22.6	7.11	1,350	Clear, odorless
1350	10	300	22.6	7.11	1,350	Clear, odorless
1400	10	400	22.6	7.11	1,350	Clear, odorless

Total Purged: 400 gallons Casing Volumes Purged: 3.24 volumes

Additional Notes or Comments:

Sample Inventory

Sample ID	Time	# of Bottles	Analysis	Filtered	Notes
MW-4-3-26-22	1400	3	Quarterly	No	1-250ml w/ nitric, 2-250ml unpre

MONITORING WELL SAMPLING RECORD

Project:	SEGS III - VII Kramer Junction	Technician:	Ralph De La Parra
Date:	May 31, 2022	Weather:	Clear, Cool

Purge Volume Calculations

Monitoring Well ID:	**MW-1**		Depth to Water:	170.60 ft btoc		(b)
Elevation of Top of Casing:	2474.00 ft amsl	(a)	Water Elevation (a - b):	2303.34 ft amsl		(c)
Well Depth:	335.50 ft btoc		Water Thickness (c - d):	164.84 feet		(e)
Elevation of Bottom of Well:	2138.50 ft amsl	(d)	One Casing Volume (e * 1.47):	242.31 gallons		(f)
Casing Inside Diameter:	6.0 inches		Three Casing Volumes (f * 3):	726.93 gallons		

Monitoring Well Purge Data

Purging Apparatus: Dedicated Pump

Sampling Apparatus: Pump Discharge

Decon Methods:

Time	Purge Rate (gpm)	Purge Volume (gallons)	Temp (Deg C)	pH	Specific Conductivity (µmhos/cm)	Notes
745	20	100	22.1	7.54	1,950	Clear, odorless
750	20	200	22.6	7.38	1,960	Clear, odorless
755	20	300	22.8	7.38	1,960	Clear, odorless
810	20	600	23.0	7.38	1,960	Clear, odorless
820	20	800	23.1	7.38	1,960	Clear, odorless

Total Purged: 800 gallons Casing Volumes Purged: 3.30 volumes

Additional Notes or Comments:

Sample Inventory

Sample ID	Time	# of Bottles	Analysis	Filtered	Notes
MW-1-5-31-22	820	3	Quarterly	No	1-250ml w/ nitric, 2-250ml unpre
Dup-5-31-22		3	Quarterly	No	Dup Collected

MONITORING WELL SAMPLING RECORD

Project:	SEGS III - VII Kramer Junction	Technician:	Ralph De La Parra
Date:	May 31, 2022	Weather:	Clear, Warm

Purge Volume Calculations

Monitoring Well ID:	**MW-2**		Depth to Water:	220.75	ft btoc	(b)
Elevation of Top of Casing:	2454.17 ft amsl	(a)	Water Elevation (a - b):	2233.42	ft amsl	(c)
Well Depth:	257.80 ft btoc		Water Thickness (c - d):	37.05	feet	(e)
Elevation of Bottom of Well:	2196.37 ft amsl	(d)	One Casing Volume (e * 1.47):	54.46	gallons	(f)
Casing Inside Diameter:	6.0 inches		Three Casing Volumes (f * 3):	163.38	gallons	

Monitoring Well Purge Data

Purging Apparatus: Dedicated Pump

Sampling Apparatus: Pump Discharge

Decon Methods:

Time	Purge Rate (gpm)	Purge Volume (gallons)	Temp (Deg C)	pH	Specific Conductivity (µmhos/cm)	Notes
900	1.5	15	21.1	6.70	1,790	Very Cloudy, odorless
910	1.5	30	21.9	7.20	1,780	Very Cloudy, odorless
920	1.5	45	22.0	7.21	1,780	Clear, odorless
940	1.5	75	22.1	7.21	1,780	Clear, odorless
1000	1.5	105	22.2	7.21	1,780	Clear, odorless
1020	1.5	135	22.3	7.21	1,780	Clear, odorless
1040	1.5	165	22.4	7.21	1,780	Clear, odorless

Total Purged: 165 gallons Casing Volumes Purged: 3.03 volumes

Note: 55Hz on VFD to get 1.5 GPM

Sample Inventory

Sample ID	Time	# of Bottles	Analysis	Filtered	Notes
MW-2-5-31-22	1040	3	Quarterly	No	1-250ml w/ nitric, 2-250ml unpre

MONITORING WELL SAMPLING RECORD

Project:	SEGS III - VII Kramer Junction	Technician:	Ralph De La Parra
Date:	May 31, 2022	Weather:	Clear, Warm

Purge Volume Calculations

Monitoring Well ID:	**MW-3**		Depth to Water:	171.7 ft btoc		(b)
Elevation of Top of Casing:	2454.75 ft amsl	(a)	Water Elevation (a - b):	2283.05 ft amsl		(c)
Well Depth:	259.00 ft btoc		Water Thickness (c - d):	87.3 feet		(e)
Elevation of Bottom of Well:	2195.75 ft amsl	(d)	One Casing Volume (e * 1.47):	128.33 gallons		(f)
Casing Inside Diameter:	6.0 inches		Three Casing Volumes (f * 3):	385 gallons		

Monitoring Well Purge Data

Purging Apparatus: Dedicated Pump

Sampling Apparatus: Pump Discharge

Decon Methods:

Time	Purge Rate (gpm)	Purge Volume (gallons)	Temp (Deg C)	pH	Specific Conductivity (µmhos/cm)	Notes
1100	3	30	22.2	6.88	1,530	Clear, Odorless
1110	3	60	22.6	7.18	1,530	Clear, Odorless
1130	3	120	22.8	7.20	1,530	Clear, Odorless
1210	3	240	23.0	7.20	1,530	Clear, Odorless
1230	3	300	23.2	7.20	1,530	Clear, Odorless
1250	3	360	23.4	7.20	1,530	Clear, Odorless
1305	3	405	23.6	7.20	1,530	Clear, Odorless

Total Purged: 405 gallons Casing Volumes Purged: 3.15 volumes

Note: 51Hz on VFD to get 3 GPM

Sample Inventory

Sample ID	Time	# of Bottles	Analysis	Filtered	Notes
MW-3-5-31-22	1305	3	Quarterly	No	1-250ml w/ nitric, 2-250ml unpre

MONITORING WELL SAMPLING RECORD

Project:	SEGS III - VII Kramer Junction	Technician:	Ralph De La Parra
Date:	May 31, 2022	Weather:	Clear, Warm

Purge Volume Calculations

Monitoring Well ID:	**MW-4**		Depth to Water:	174.65	ft btoc	(b)
Elevation of Top of Casing:	2459.03 ft amsl	(a)	Water Elevation (a - b):	2284.38	ft amsl	(c)
Well Depth:	258.50 ft btoc		Water Thickness (c - d):	83.85	feet	(e)
Elevation of Bottom of Well:	2200.53 ft amsl	(d)	One Casing Volume (e * 1.47):	123.25	gallons	(f)
Casing Inside Diameter:	6.0 inches		Three Casing Volumes (f * 3):	370.75	gallons	

Monitoring Well Purge Data

Purging Apparatus: Dedicated Pump

Sampling Apparatus: Pump Discharge

Decon Methods:

Time	Purge Rate (gpm)	Purge Volume (gallons)	Temp (Deg C)	pH	Specific Conductivity (µmhos/cm)	Notes
1320	10	50	22.8	7.23	1,400	Clear, odorless
1325	10	100	22.6	7.22	1,380	Clear, odorless
1335	10	200	22.6	7.22	1,380	Clear, odorless
1345	10	300	22.6	7.22	1,380	Clear, odorless
1355	10	400	22.6	7.22	1,380	Clear, odorless

Total Purged: 400 gallons Casing Volumes Purged: 3.25 volumes

Additional Notes or Comments:

Sample Inventory

Sample ID	Time	# of Bottles	Analysis	Filtered	Notes
MW-4-5-31-22	1355	3	Quarterly	No	1-250ml w/ nitric, 2-250ml unpre

APPENDIX B

LABORATORY REPORTS

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Calscience
2841 Dow Avenue, Suite 100
Tustin, CA 92780
Tel: (714)895-5494

Laboratory Job ID: 570-90491-1
Client Project/Site: Nextera-Kramer Junction

For:
FPL Energy Solar Partners III-VII, LLC
43880 Harper Lake Rd
Hinkley, California 92347

Attn: Maria Lopez

Authorized for release by:
4/14/2022 6:21:21 PM

Sheri Fama, Project Manager I
(657)210-6368
Sheri.Fama@et.eurofinsus.com

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Definitions/Glossary

Client: FPL Energy Solar Partners III-VII, LLC
Project/Site: Nextera-Kramer Junction

Job ID: 570-90491-1

Qualifiers

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client: FPL Energy Solar Partners III-VII, LLC
Project/Site: Nextera-Kramer Junction

Job ID: 570-90491-1

Job ID: 570-90491-1

Laboratory: Eurofins Calscience

Narrative

Job Narrative
570-90491-1

Comments
No additional comments.

Receipt
The samples were received on 3/28/2022 8:45 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.4º C.

Receipt Exceptions
The Field Sampler was not listed on the Chain of Custody.

HPLC/IC
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Sample Summary

Client: FPL Energy Solar Partners III-VII, LLC
Project/Site: Nextera-Kramer Junction

Job ID: 570-90491-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-90491-1	MW-1-3-26-22	Water	03/26/22 08:40	03/28/22 08:45
570-90491-2	MW-2-3-26-22	Water	03/26/22 10:45	03/28/22 08:45
570-90491-3	MW-3-3-26-22	Water	03/26/22 13:10	03/28/22 08:45
570-90491-4	MW-4-3-26-22	Water	03/26/22 14:00	03/28/22 08:45
570-90491-5	Dup-3-26-22	Water	03/26/22 00:01	03/28/22 08:45

Detection Summary

Client: FPL Energy Solar Partners III-VII, LLC
Project/Site: Nextera-Kramer Junction

Job ID: 570-90491-1

Client Sample ID: MW-1-3-26-22 — Lab Sample ID: 570-90491-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Sulfate	310		25		mg/L	50		300.0	Total/NA
Sodium	310		1.0		mg/L	1		6010B	Total Recoverable
Total Dissolved Solids	1200		10		mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-2-3-26-22 — Lab Sample ID: 570-90491-2

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Sulfate	230		25		mg/L	50		300.0	Total/NA
Sodium	310		1.0		mg/L	1		6010B	Total Recoverable
Total Dissolved Solids	1100		10		mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-3-3-26-22 — Lab Sample ID: 570-90491-3

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Sulfate	200		25		mg/L	50		300.0	Total/NA
Sodium	270		1.0		mg/L	1		6010B	Total Recoverable
Total Dissolved Solids	930		10		mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-4-3-26-22 — Lab Sample ID: 570-90491-4

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Sulfate	180		25		mg/L	50		300.0	Total/NA
Sodium	230		1.0		mg/L	1		6010B	Total Recoverable
Total Dissolved Solids	840		10		mg/L	1		SM 2540C	Total/NA

Client Sample ID: Dup-3-26-22 — Lab Sample ID: 570-90491-5

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Sulfate	320		25		mg/L	50		300.0	Total/NA
Sodium	340		1.0		mg/L	1		6010B	Total Recoverable
Total Dissolved Solids	1300		10		mg/L	1		SM 2540C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-1-3-26-22
Lab Sample ID: 570-90491-1
Date Collected: 03/26/22 08:40
Matrix: Water
Date Received: 03/28/22 08:45

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	310		25		mg/L			03/31/22 14:38	50

Method: 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Sodium	310		1.0		mg/L		04/07/22 09:05	04/08/22 16:39	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1200		10		mg/L			04/01/22 17:53	1

Client Sample ID: MW-2-3-26-22
Lab Sample ID: 570-90491-2
Date Collected: 03/26/22 10:45
Matrix: Water
Date Received: 03/28/22 08:45

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	230		25		mg/L			03/31/22 14:56	50

Method: 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Sodium	310		1.0		mg/L		04/07/22 09:05	04/08/22 16:41	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1100		10		mg/L			04/01/22 17:53	1

Client Sample ID: MW-3-3-26-22
Lab Sample ID: 570-90491-3
Date Collected: 03/26/22 13:10
Matrix: Water
Date Received: 03/28/22 08:45

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	200		25		mg/L			03/31/22 15:16	50

Method: 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Sodium	270		1.0		mg/L		04/07/22 09:05	04/08/22 17:54	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	930		10		mg/L			04/01/22 17:53	1

Client Sample ID: MW-4-3-26-22
Lab Sample ID: 570-90491-4
Date Collected: 03/26/22 14:00
Matrix: Water
Date Received: 03/28/22 08:45

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	180		25		mg/L			03/31/22 15:35	50

Method: 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Sodium	230		1.0		mg/L		04/07/22 09:05	04/08/22 17:56	1

Client Sample Results

Client: FPL Energy Solar Partners III-VII, LLC
Project/Site: Nextera-Kramer Junction

Job ID: 570-90491-1

Client Sample ID: MW-4-3-26-22

Lab Sample ID: 570-90491-4

Date Collected: 03/26/22 14:00
Matrix: Water
Date Received: 03/28/22 08:45

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	840		10		mg/L			04/01/22 17:53	1

Client Sample ID: Dup-3-26-22

Lab Sample ID: 570-90491-5

Date Collected: 03/26/22 00:01
Matrix: Water
Date Received: 03/28/22 08:45

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	320		25		mg/L			03/31/22 15:54	50

Method: 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Sodium	340		1.0		mg/L		04/07/22 09:05	04/08/22 17:58	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1300		10		mg/L			04/01/22 17:53	1

Lab Chronicle

Client: FPL Energy Solar Partners III-VII, LLC
Project/Site: Nextera-Kramer Junction

Job ID: 570-90491-1

Client Sample ID: MW-1-3-26-22

Lab Sample ID: 570-90491-1

Date Collected: 03/26/22 08:40

Matrix: Water

Date Received: 03/28/22 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		50	5 mL	1.0 mL	670180	03/31/22 14:38	PN8W	IRV 2
	Instrument ID: IC-28									
Total Recoverable	Prep	3005A			25 mL	25 mL	670603	04/07/22 09:05		IRV 2
Total Recoverable	Analysis	6010B		1			670729	04/08/22 16:39	VZ0K	IRV 2
	Instrument ID: ICP10									
Total/NA	Analysis	SM 2540C		1	100 mL	1000 mL	223885	04/01/22 17:53	ZL7L	ECL 4
	Instrument ID: NOEQUIP									

Client Sample ID: MW-2-3-26-22

Lab Sample ID: 570-90491-2

Date Collected: 03/26/22 10:45

Matrix: Water

Date Received: 03/28/22 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		50			670180	03/31/22 14:56	PN8W	IRV 2
	Instrument ID: IC-28									
Total Recoverable	Prep	3005A			25 mL	25 mL	670603	04/07/22 09:05		IRV 2
Total Recoverable	Analysis	6010B		1			670729	04/08/22 16:41	VZ0K	IRV 2
	Instrument ID: ICP10									
Total/NA	Analysis	SM 2540C		1	100 mL	1000 mL	223885	04/01/22 17:53	ZL7L	ECL 4
	Instrument ID: NOEQUIP									

Client Sample ID: MW-3-3-26-22

Lab Sample ID: 570-90491-3

Date Collected: 03/26/22 13:10

Matrix: Water

Date Received: 03/28/22 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		50			670180	03/31/22 15:16	PN8W	IRV 2
	Instrument ID: IC-28									
Total Recoverable	Prep	3005A			25 mL	25 mL	670603	04/07/22 09:05		IRV 2
Total Recoverable	Analysis	6010B		1			670725	04/08/22 17:54	VZ0K	IRV 2
	Instrument ID: ICP8									
Total/NA	Analysis	SM 2540C		1	100 mL	1000 mL	223885	04/01/22 17:53	ZL7L	ECL 4
	Instrument ID: NOEQUIP									

Client Sample ID: MW-4-3-26-22

Lab Sample ID: 570-90491-4

Date Collected: 03/26/22 14:00

Matrix: Water

Date Received: 03/28/22 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		50			670180	03/31/22 15:35	PN8W	IRV 2
	Instrument ID: IC-28									
Total Recoverable	Prep	3005A			25 mL	25 mL	670603	04/07/22 09:05		IRV 2
Total Recoverable	Analysis	6010B		1			670725	04/08/22 17:56	VZ0K	IRV 2
	Instrument ID: ICP8									
Total/NA	Analysis	SM 2540C		1	100 mL	1000 mL	223885	04/01/22 17:53	ZL7L	ECL 4
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: FPL Energy Solar Partners III-VII, LLC
Project/Site: Nextera-Kramer Junction

Job ID: 570-90491-1

Client Sample ID: Dup-3-26-22

Date Collected: 03/26/22 00:01
Date Received: 03/28/22 08:45

Lab Sample ID: 570-90491-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		50			670180	03/31/22 15:54	PN8W	IRV 2
	Instrument ID: IC-28									
Total Recoverable	Prep	3005A			25 mL	25 mL	670603	04/07/22 09:05		IRV 2
Total Recoverable	Analysis	6010B		1			670725	04/08/22 17:58	VZ0K	IRV 2
	Instrument ID: ICP8									
Total/NA	Analysis	SM 2540C		1	100 mL	1000 mL	223885	04/01/22 17:53	ZL7L	ECL 4
	Instrument ID: NOEQUIP									

Laboratory References:

ECL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

IRV 2 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 440-670180/6
Matrix: Water
Analysis Batch: 670180

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		0.50		mg/L			03/31/22 07:24	1

Lab Sample ID: LCS 440-670180/5
Matrix: Water
Analysis Batch: 670180

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate			5.00	4.64		mg/L		93	90 - 110		

Lab Sample ID: 570-90382-C-1 MS
Matrix: Water
Analysis Batch: 670180

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate	1300		500	1810		mg/L		109	80 - 120		

Lab Sample ID: 570-90382-C-1 MSD
Matrix: Water
Analysis Batch: 670180

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	1300		500	1810		mg/L		109	80 - 120	0	20

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 440-670603/1-A
Matrix: Water
Analysis Batch: 670729

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 670603

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Sodium	ND		1.0		mg/L		04/07/22 09:05	04/08/22 16:20	1

Lab Sample ID: LCS 440-670603/2-A
Matrix: Water
Analysis Batch: 670729

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 670603

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Sodium			10.0	10.7		mg/L		107	80 - 120		

Lab Sample ID: 570-89861-B-1-B MS
Matrix: Water
Analysis Batch: 670729

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 670603

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Sodium	74		10.0	83.1	4	mg/L		88	75 - 125		

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 570-89861-B-1-C MSD
Matrix: Water
Analysis Batch: 670729

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 670603

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sodium	74		10.0	84.5	4	mg/L		102	75 - 125	2	20

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 570-223885/1
Matrix: Water
Analysis Batch: 223885

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10		mg/L			04/01/22 17:53	1

Lab Sample ID: LCS 570-223885/2
Matrix: Water
Analysis Batch: 223885

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			1000	920		mg/L		92	84 - 108		

Lab Sample ID: LCSD 570-223885/3
Matrix: Water
Analysis Batch: 223885

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Dissolved Solids			1000	996		mg/L		100	84 - 108	8	10

Lab Sample ID: 570-90491-1 DU
Matrix: Water
Analysis Batch: 223885

Client Sample ID: MW-1-3-26-22
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	1200			1260		mg/L				3	10

HPLC/IC

Analysis Batch: 670180

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-90491-1	MW-1-3-26-22	Total/NA	Water	300.0	
570-90491-2	MW-2-3-26-22	Total/NA	Water	300.0	
570-90491-3	MW-3-3-26-22	Total/NA	Water	300.0	
570-90491-4	MW-4-3-26-22	Total/NA	Water	300.0	
570-90491-5	Dup-3-26-22	Total/NA	Water	300.0	
MB 440-670180/6	Method Blank	Total/NA	Water	300.0	
LCS 440-670180/5	Lab Control Sample	Total/NA	Water	300.0	
570-90382-C-1 MS	Matrix Spike	Total/NA	Water	300.0	
570-90382-C-1 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	

Metals

Prep Batch: 670603

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-90491-1	MW-1-3-26-22	Total Recoverable	Water	3005A	
570-90491-2	MW-2-3-26-22	Total Recoverable	Water	3005A	
570-90491-3	MW-3-3-26-22	Total Recoverable	Water	3005A	
570-90491-4	MW-4-3-26-22	Total Recoverable	Water	3005A	
570-90491-5	Dup-3-26-22	Total Recoverable	Water	3005A	
MB 440-670603/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 440-670603/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
570-89861-B-1-B MS	Matrix Spike	Total Recoverable	Water	3005A	
570-89861-B-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Analysis Batch: 670725

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-90491-3	MW-3-3-26-22	Total Recoverable	Water	6010B	670603
570-90491-4	MW-4-3-26-22	Total Recoverable	Water	6010B	670603
570-90491-5	Dup-3-26-22	Total Recoverable	Water	6010B	670603

Analysis Batch: 670729

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-90491-1	MW-1-3-26-22	Total Recoverable	Water	6010B	670603
570-90491-2	MW-2-3-26-22	Total Recoverable	Water	6010B	670603
MB 440-670603/1-A	Method Blank	Total Recoverable	Water	6010B	670603
LCS 440-670603/2-A	Lab Control Sample	Total Recoverable	Water	6010B	670603
570-89861-B-1-B MS	Matrix Spike	Total Recoverable	Water	6010B	670603
570-89861-B-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6010B	670603

General Chemistry

Analysis Batch: 223885

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-90491-1	MW-1-3-26-22	Total/NA	Water	SM 2540C	
570-90491-2	MW-2-3-26-22	Total/NA	Water	SM 2540C	
570-90491-3	MW-3-3-26-22	Total/NA	Water	SM 2540C	
570-90491-4	MW-4-3-26-22	Total/NA	Water	SM 2540C	
570-90491-5	Dup-3-26-22	Total/NA	Water	SM 2540C	
MB 570-223885/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 570-223885/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 570-223885/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	
570-90491-1 DU	MW-1-3-26-22	Total/NA	Water	SM 2540C	

Accreditation/Certification Summary

Client: FPL Energy Solar Partners III-VII, LLC
Job ID: 570-90491-1
Project/Site: Nextera-Kramer Junction

Laboratory: Eurofins Calscience

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	State	2944	09-30-22

Laboratory: Eurofins Calscience

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
California	State	2706	06-30-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
6010B	3005A	Water	Sodium

Method Summary

Client: FPL Energy Solar Partners III-VII, LLC
Project/Site: Nextera-Kramer Junction

Job ID: 570-90491-1

Method	Method Description	Protocol	Laboratory
300.0	Anions, Ion Chromatography	MCAWW	IRV 2
6010B	Metals (ICP)	SW846	IRV 2
SM 2540C	Solids, Total Dissolved (TDS)	SM	ECL 4
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	IRV 2

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

ECL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

IRV 2 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Chain of Custody Record

Eurofins Calscience Irvine (Tustin)
~~17461 Derian Avenue~~
~~Suite 100~~
~~Irvine, CA 92614-5843~~
~~phone 949.261.1022 fax 949.260.3299~~

eurofins

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact	**Project Manager:** Maria Lopez		COC No: 1 of 1 COCs
Company Name: Nextera - Kramer Junction	Email: Maria.Lopez3@nexteraenergy.com	Site Contact:	Date: 3-26-22
Address: 41100 Hwy 395	Tel/Fax:	Lab Contact:	Carrier:
City/State/Zip: Boron, CA 93516	**Analysis Turnaround Time**		TALS Project #:
Phone: (760) 921-1401	☐ CALENDAR DAYS ☐ WORKING DAYS		Sampler:
FAX:	TAT if different from Below ____		**For Lab Use Only:**
Project Name: Nextera - Kramer Junction	☒ 2 weeks		Walk-in Client:
Site:	☐ 1 week		Lab Sampling:
P O #	☐ 2 days		Job / SDG No.:
	☐ 1 day		

570-90491 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	Sodium Sulfate TDS	Sample Specific Notes:
MW-1-3-26-22	3-26-22	0840	G	GW	3	N	N	X X X	
MW-2- "		1045			3			X X X	
MW-3- "		1310			3			X X X	
MW-4- "		1400			3			X X X	
Dup- "		—			3			X X X	

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other ____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for ____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd: ____ Corr'd: ____		Therm ID No.: ____
Relinquished by:	Company: NorthStar	Date/Time: 3-26-22 0845	Received by:	Company:	Date/Time: 3/26/22 0845
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

2-9/1-4 SL6 Form No. CA-C-WI-002, Rev. 4.35, dated 10/6/2020

Login Sample Receipt Checklist

Client: FPL Energy Solar Partners III-VII, LLC

Job Number: 570-90491-1

Login Number: 90491
List Number: 1
Creator: Lagunas, Jorge L

List Source: Eurofins Calscience

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Refer to Job Narrative for details.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

Eurofins Calscience
2841 Dow Avenue, Suite 100
Tustin, CA 92780
Tel: (714)895-5494

Laboratory Job ID: 570-97940-1
Laboratory Sample Delivery Group: Boron, California
Client Project/Site: Nextera Kramer Junction

For:
FPL Energy Solar Partners III-VII, LLC
43880 Harper Lake Rd
Hinkley, California 92347

Attn: Maria Lopez

Authorized for release by:
6/8/2022 6:18:14 PM

Sheri Fama, Project Manager I
(657)210-6368
Sheri.Fama@et.eurofinsus.com

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Definitions/Glossary

Client: FPL Energy Solar Partners III-VII, LLC
Project/Site: Nextera Kramer Junction

Job ID: 570-97940-1
SDG: Boron, California

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 570-97940-1

Laboratory: Eurofins Calscience

Narrative

Job Narrative
570-97940-1

Comments
No additional comments.

Receipt
The samples were received on 5/31/2022 4:20 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.1° C.

HPLC/IC
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Sample Summary

Client: FPL Energy Solar Partners III-VII, LLC
Project/Site: Nextera Kramer Junction

Job ID: 570-97940-1
SDG: Boron, California

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-97940-1	MW-1-5-31-22	Water	05/31/22 08:20	05/31/22 16:20
570-97940-2	MW-2-5-31-22	Water	05/31/22 10:40	05/31/22 16:20
570-97940-3	MW-3-5-31-22	Water	05/31/22 13:05	05/31/22 16:20
570-97940-4	MW-4-5-31-22	Water	05/31/22 13:55	05/31/22 16:20
570-97940-5	Dup-5-31-22	Water	05/31/22 00:00	05/31/22 16:20

Detection Summary

Client: FPL Energy Solar Partners III-VII, LLC
Project/Site: Nextera Kramer Junction

Job ID: 570-97940-1
SDG: Boron, California

Client Sample ID: MW-1-5-31-22 — Lab Sample ID: 570-97940-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Sulfate	320		25		mg/L	50		300.0	Total/NA
Sodium	330		2.0		mg/L	1		6010B	Total Recoverable
Total Dissolved Solids	1200		20		mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-2-5-31-22 — Lab Sample ID: 570-97940-2

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Sulfate	230		25		mg/L	50		300.0	Total/NA
Sodium	300		2.0		mg/L	1		6010B	Total Recoverable
Total Dissolved Solids	1100		20		mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-3-5-31-22 — Lab Sample ID: 570-97940-3

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Sulfate	210		25		mg/L	50		300.0	Total/NA
Sodium	250		2.0		mg/L	1		6010B	Total Recoverable
Total Dissolved Solids	910		20		mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-4-5-31-22 — Lab Sample ID: 570-97940-4

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Sulfate	300		25		mg/L	50		300.0	Total/NA
Sodium	220		2.0		mg/L	1		6010B	Total Recoverable
Total Dissolved Solids	830		10		mg/L	1		SM 2540C	Total/NA

Client Sample ID: Dup-5-31-22 — Lab Sample ID: 570-97940-5

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Sulfate	190		25		mg/L	50		300.0	Total/NA
Sodium	330		2.0		mg/L	1		6010B	Total Recoverable
Total Dissolved Solids	1300		20		mg/L	1		SM 2540C	Total/NA

This Detection Summary does not include radiochemical test results.

Client: FPL Energy Solar Partners III-VII, LLC
Project/Site: Nextera Kramer Junction

Job ID: 570-97940-1
SDG: Boron, California

Method: 300.0 - Anions, Ion Chromatography

Client Sample ID: MW-1-5-31-22
Date Collected: 05/31/22 08:20
Date Received: 05/31/22 16:20

Lab Sample ID: 570-97940-1
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	320		25		mg/L			06/01/22 08:57	50

Client Sample ID: MW-2-5-31-22
Date Collected: 05/31/22 10:40
Date Received: 05/31/22 16:20

Lab Sample ID: 570-97940-2
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	230		25		mg/L			06/01/22 09:14	50

Client Sample ID: MW-3-5-31-22
Date Collected: 05/31/22 13:05
Date Received: 05/31/22 16:20

Lab Sample ID: 570-97940-3
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	210		25		mg/L			06/01/22 09:31	50

Client Sample ID: MW-4-5-31-22
Date Collected: 05/31/22 13:55
Date Received: 05/31/22 16:20

Lab Sample ID: 570-97940-4
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	300		25		mg/L			06/01/22 09:48	50

Client Sample ID: Dup-5-31-22
Date Collected: 05/31/22 00:00
Date Received: 05/31/22 16:20

Lab Sample ID: 570-97940-5
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	190		25		mg/L			06/01/22 10:06	50

Client: FPL Energy Solar Partners III-VII, LLC
Project/Site: Nextera Kramer Junction

Job ID: 570-97940-1
SDG: Boron, California

Method: 6010B - Metals (ICP) - Total Recoverable

Client Sample ID: MW-1-5-31-22
Date Collected: 05/31/22 08:20
Date Received: 05/31/22 16:20

Lab Sample ID: 570-97940-1
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Sodium	330		2.0		mg/L		06/01/22 12:48	06/02/22 16:52	1

Client Sample ID: MW-2-5-31-22
Date Collected: 05/31/22 10:40
Date Received: 05/31/22 16:20

Lab Sample ID: 570-97940-2
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Sodium	300		2.0		mg/L		06/01/22 12:48	06/02/22 16:54	1

Client Sample ID: MW-3-5-31-22
Date Collected: 05/31/22 13:05
Date Received: 05/31/22 16:20

Lab Sample ID: 570-97940-3
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Sodium	250		2.0		mg/L		06/01/22 12:48	06/02/22 16:57	1

Client Sample ID: MW-4-5-31-22
Date Collected: 05/31/22 13:55
Date Received: 05/31/22 16:20

Lab Sample ID: 570-97940-4
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Sodium	220		2.0		mg/L		06/01/22 12:48	06/02/22 16:59	1

Client Sample ID: Dup-5-31-22
Date Collected: 05/31/22 00:00
Date Received: 05/31/22 16:20

Lab Sample ID: 570-97940-5
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Sodium	330		2.0		mg/L		06/01/22 12:48	06/02/22 17:02	1

General Chemistry

Client Sample ID: MW-1-5-31-22
Date Collected: 05/31/22 08:20
Date Received: 05/31/22 16:20

Lab Sample ID: 570-97940-1
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1200		20		mg/L			06/06/22 21:11	1

Client Sample ID: MW-2-5-31-22
Date Collected: 05/31/22 10:40
Date Received: 05/31/22 16:20

Lab Sample ID: 570-97940-2
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1100		20		mg/L			06/06/22 21:11	1

Client Sample ID: MW-3-5-31-22
Date Collected: 05/31/22 13:05
Date Received: 05/31/22 16:20

Lab Sample ID: 570-97940-3
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	910		20		mg/L			06/06/22 21:11	1

Client Sample ID: MW-4-5-31-22
Date Collected: 05/31/22 13:55
Date Received: 05/31/22 16:20

Lab Sample ID: 570-97940-4
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	830		10		mg/L			06/06/22 21:11	1

Client Sample ID: Dup-5-31-22
Date Collected: 05/31/22 00:00
Date Received: 05/31/22 16:20

Lab Sample ID: 570-97940-5
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1300		20		mg/L			06/06/22 21:11	1

Lab Chronicle

Client: FPL Energy Solar Partners III-VII, LLC
Project/Site: Nextera Kramer Junction

Job ID: 570-97940-1
SDG: Boron, California

Client Sample ID: MW-1-5-31-22
Date Collected: 05/31/22 08:20
Date Received: 05/31/22 16:20

Lab Sample ID: 570-97940-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		50			672344	06/01/22 08:57	YO8L	IRV 2
	Instrument ID: IC-31									
Total Recoverable	Prep	3005A			50 mL	50 mL	238199	06/01/22 12:48		ECL 4
Total Recoverable	Analysis	6010B		1			238625	06/02/22 16:52	P1R	ECL 4
	Instrument ID: ICP11									
Total/NA	Analysis	SM 2540C		1	50 mL	1000 mL	239437	06/06/22 21:11	ZL7L	ECL 4
	Instrument ID: NOEQUIP									

Client Sample ID: MW-2-5-31-22
Date Collected: 05/31/22 10:40
Date Received: 05/31/22 16:20

Lab Sample ID: 570-97940-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		50			672344	06/01/22 09:14	YO8L	IRV 2
	Instrument ID: IC-31									
Total Recoverable	Prep	3005A			50 mL	50 mL	238199	06/01/22 12:48		ECL 4
Total Recoverable	Analysis	6010B		1			238625	06/02/22 16:54	P1R	ECL 4
	Instrument ID: ICP11									
Total/NA	Analysis	SM 2540C		1	50 mL	1000 mL	239437	06/06/22 21:11	ZL7L	ECL 4
	Instrument ID: NOEQUIP									

Client Sample ID: MW-3-5-31-22
Date Collected: 05/31/22 13:05
Date Received: 05/31/22 16:20

Lab Sample ID: 570-97940-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		50			672344	06/01/22 09:31	YO8L	IRV 2
	Instrument ID: IC-31									
Total Recoverable	Prep	3005A			50 mL	50 mL	238199	06/01/22 12:48		ECL 4
Total Recoverable	Analysis	6010B		1			238625	06/02/22 16:57	P1R	ECL 4
	Instrument ID: ICP11									
Total/NA	Analysis	SM 2540C		1	50 mL	1000 mL	239437	06/06/22 21:11	ZL7L	ECL 4
	Instrument ID: NOEQUIP									

Client Sample ID: MW-4-5-31-22
Date Collected: 05/31/22 13:55
Date Received: 05/31/22 16:20

Lab Sample ID: 570-97940-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		50			672344	06/01/22 09:48	YO8L	IRV 2
	Instrument ID: IC-31									
Total Recoverable	Prep	3005A			50 mL	50 mL	238199	06/01/22 12:48		ECL 4
Total Recoverable	Analysis	6010B		1			238625	06/02/22 16:59	P1R	ECL 4
	Instrument ID: ICP11									
Total/NA	Analysis	SM 2540C		1	100 mL	1000 mL	239437	06/06/22 21:11	ZL7L	ECL 4
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: FPL Energy Solar Partners III-VII, LLC
Project/Site: Nextera Kramer Junction

Job ID: 570-97940-1
SDG: Boron, California

Client Sample ID: Dup-5-31-22

Date Collected: 05/31/22 00:00
Date Received: 05/31/22 16:20

Lab Sample ID: 570-97940-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		50			672344	06/01/22 10:06	YO8L	IRV 2
	Instrument ID: IC-31									
Total Recoverable	Prep	3005A			50 mL	50 mL	238199	06/01/22 12:48		ECL 4
Total Recoverable	Analysis	6010B		1			238625	06/02/22 17:02	P1R	ECL 4
	Instrument ID: ICP11									
Total/NA	Analysis	SM 2540C		1	50 mL	1000 mL	239437	06/06/22 21:11	ZL7L	ECL 4
	Instrument ID: NOEQUIP									

Laboratory References:

ECL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

IRV 2 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 440-672344/5
Matrix: Water
Analysis Batch: 672344

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	NC		0.50		mg/L			06/01/22 03:07	1

Lab Sample ID: LCS 440-672344/6
Matrix: Water
Analysis Batch: 672344

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate			5.00	4.84		mg/L		97	90 - 110		

Lab Sample ID: LCSD 440-672344/7
Matrix: Water
Analysis Batch: 672344

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate			5.00	4.87		mg/L		97	90 - 110	1	20

Lab Sample ID: 570-97940-1 MS
Matrix: Water
Analysis Batch: 672344

Client Sample ID: MW-1-5-31-22
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate	320		250	569		mg/L		98	80 - 120		

Lab Sample ID: 570-97940-1 MSD
Matrix: Water
Analysis Batch: 672344

Client Sample ID: MW-1-5-31-22
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	320		250	576		mg/L		101	80 - 120	1	20

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 570-238199/1-A
Matrix: Water
Analysis Batch: 238587

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 238199

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Sodium	ND		2.0		mg/L		06/01/22 12:48	06/02/22 15:30	1

Lab Sample ID: LCS 570-238199/2-A
Matrix: Water
Analysis Batch: 238587

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 238199

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Sodium			5.00	4.84		mg/L		97	80 - 120		

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCSD 570-238199/3-A
Matrix: Water
Analysis Batch: 238587

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 238199

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sodium			5.00	4.83		mg/L		97	80 - 120	0	20

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 570-239437/1
Matrix: Water
Analysis Batch: 239437

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10		mg/L			06/06/22 21:11	1

Lab Sample ID: LCS 570-239437/2
Matrix: Water
Analysis Batch: 239437

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			1000	956		mg/L		96	84 - 108		

Lab Sample ID: LCSD 570-239437/3
Matrix: Water
Analysis Batch: 239437

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Dissolved Solids			1000	980		mg/L		98	84 - 108	2	10

Lab Sample ID: 570-97940-1 DU
Matrix: Water
Analysis Batch: 239437

Client Sample ID: MW-1-5-31-22
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	1200			1220		mg/L				1	10

HPLC/IC

Analysis Batch: 672344

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-97940-1	MW-1-5-31-22	Total/NA	Water	300.0	
570-97940-2	MW-2-5-31-22	Total/NA	Water	300.0	
570-97940-3	MW-3-5-31-22	Total/NA	Water	300.0	
570-97940-4	MW-4-5-31-22	Total/NA	Water	300.0	
570-97940-5	Dup-5-31-22	Total/NA	Water	300.0	
MB 440-672344/5	Method Blank	Total/NA	Water	300.0	
LCS 440-672344/6	Lab Control Sample	Total/NA	Water	300.0	
LCSD 440-672344/7	Lab Control Sample Dup	Total/NA	Water	300.0	
570-97940-1 MS	MW-1-5-31-22	Total/NA	Water	300.0	
570-97940-1 MSD	MW-1-5-31-22	Total/NA	Water	300.0	

Metals

Prep Batch: 238199

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-97940-1	MW-1-5-31-22	Total Recoverable	Water	3005A	
570-97940-2	MW-2-5-31-22	Total Recoverable	Water	3005A	
570-97940-3	MW-3-5-31-22	Total Recoverable	Water	3005A	
570-97940-4	MW-4-5-31-22	Total Recoverable	Water	3005A	
570-97940-5	Dup-5-31-22	Total Recoverable	Water	3005A	
MB 570-238199/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 570-238199/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 570-238199/3-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	

Analysis Batch: 238587

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-238199/1-A	Method Blank	Total Recoverable	Water	6010B	238199
LCS 570-238199/2-A	Lab Control Sample	Total Recoverable	Water	6010B	238199
LCSD 570-238199/3-A	Lab Control Sample Dup	Total Recoverable	Water	6010B	238199

Analysis Batch: 238625

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-97940-1	MW-1-5-31-22	Total Recoverable	Water	6010B	238199
570-97940-2	MW-2-5-31-22	Total Recoverable	Water	6010B	238199
570-97940-3	MW-3-5-31-22	Total Recoverable	Water	6010B	238199
570-97940-4	MW-4-5-31-22	Total Recoverable	Water	6010B	238199
570-97940-5	Dup-5-31-22	Total Recoverable	Water	6010B	238199

General Chemistry

Analysis Batch: 239437

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-97940-1	MW-1-5-31-22	Total/NA	Water	SM 2540C	
570-97940-2	MW-2-5-31-22	Total/NA	Water	SM 2540C	
570-97940-3	MW-3-5-31-22	Total/NA	Water	SM 2540C	
570-97940-4	MW-4-5-31-22	Total/NA	Water	SM 2540C	
570-97940-5	Dup-5-31-22	Total/NA	Water	SM 2540C	
MB 570-239437/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 570-239437/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 570-239437/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	
570-97940-1 DU	MW-1-5-31-22	Total/NA	Water	SM 2540C	

Accreditation/Certification Summary

Client: FPL Energy Solar Partners III-VII, LLC
Project/Site: Nextera Kramer Junction

Job ID: 570-97940-1
SDG: Boron, California

Laboratory: Eurofins Calscience

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
California	State	2944	09-30-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
6010B	3005A	Water	Sodium

Laboratory: Eurofins Calscience

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	State	2706	06-30-22

Method Summary

Client: FPL Energy Solar Partners III-VII, LLC
Project/Site: Nextera Kramer Junction

Job ID: 570-97940-1
SDG: Boron, California

Method	Method Description	Protocol	Laboratory
300.0	Anions, Ion Chromatography	MCAWW	IRV 2
6010B	Metals (ICP)	SW846	ECL 4
SM 2540C	Solids, Total Dissolved (TDS)	SM	ECL 4
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	ECL 4

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

ECL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

IRV 2 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

97940

Eurofins Calscience Tustin
2841 Dow Avenue Suite 100
Tustin CA 92780
Phone (949) 261-1022 Fax (949) 260-3297

eurofins

Chain of Custody Record

Client Information	Sampler: Ralph De La Parra	Lab PM: Fama Shen M	Carrier Tracking No(s):	COC No:
Client Contact: Maria Lopez	Phone: (949) 702-0968	E-Mail: Sheri Fama@Eurofinset.com	State of Origin:	Page: Page 1 of 1
Company: Nextera	PWSID:			Job #:
Address: 41100 Hwy 395	Due Date Requested:			
City: Boron	TAT Requested (days): Normal			
State, Zip: CA 93516	Compliance Project: Δ Yes Δ No			
Phone: (626) 233-1943	PO #:			
Email: maria.lopez3@nexteraenergy.com	WO #:			
Project Name: Nextera-Kramer Junction	Project #:			
Site: Boron California	SSOW#:			

Analysis Requested

Preservation Codes.

A - HCL	M - Hexane
B NaOH	N - None
C - Zn Acetate	O - AsNaO2
D Nitric Acid	P - Na2O4S
E NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G Amchlor	S - H2SO4
H Ascorbic Acid	T - TSP Dodecahydrate
I Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W pH 4-5
L EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Sodium	Sulfate	TDS	Total Number of containers	Special Instructions/Note:
			Preservation Code								
MW-1-5-31-22	5-31-22	0820	G	GW	N	N	X	X	X	3	
MW-2- "		1040					X	X	X	3	
MW-3- "		1305					X	X	X	3	
MW-4- "		1355					X	X	X	3	
Dup- "		—					X	X	X	3	

570-97940 Chain of Custody

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For Months

Deliverable Requested I II III IV Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
[signature]	5-31-22 @ 1620	NextEra	[signature]	5-31-2022 16:20	EC
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact. Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks: 0.4/2.1 IR96

Ver: 01/16/2019

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6/8/2022

Login Sample Receipt Checklist

Client: FPL Energy Solar Partners III-VII, LLC

Job Number: 570-97940-1
SDG Number: Boron, California

Login Number: 97940
List Number: 1
Creator: Cortez Diaz, Antonio

List Source: Eurofins Calscience

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	