TETRA TECH

TECHNICAL MEMORANDUM

To:	**Chris Ritchie and Chris Stubbs, Ramboll**
Cc:	Steve Clough, Nevada Environmental Response Trust Matthew Edelstein, Craig Knox, Emeryville Lab Data, Ramboll David Bohmann, Tetra Tech
From:	Jesse Bunkers and James Roman
Date:	March 20, 2020
Subject:	**February 2020 Monthly Las Vegas Wash Surface Water Sampling** **Nevada Environmental Response Trust Site** **Henderson, NV**

MONTHLY SURFACE WATER SAMPLING ACTIVITIES

At the direction of the Nevada Environmental Response Trust (NERT or Trust), Tetra Tech, Inc. (Tetra Tech) has prepared this summary for the February 2020 Las Vegas Wash Surface Water Sampling event for the NERT Site.

The ten sample locations described in the *Surface Water Sampling and Analysis Plan, Revision 3 (SAP), Las Vegas Wash* (Tetra Tech, October 2018) are shown on Figure 1. Tetra Tech collected 30 independent samples from ten sample locations within the Las Vegas Wash (the Wash) and a channel flowing into the Wash (C-1 Channel) from February 5 to 6, 2020. For samples from the Wash, each location was accessed either by wading into the Wash or by float tube. At each sample location, Tetra Tech measured the total depth of the Wash, recorded the water quality field parameters, and collected a sample. All samples were collected at the approximate mid-water depth using the discrete hand-grab sample technique described in the SAP. For samples from the C-1 Channel, the channel width, depth of water, and flow were measured and documented in the surface water sampling logs. The diameters of the C-1 Channel #1-W and #1-E were measured to be 2 feet.

Samples were stored in coolers at 4°C and transferred under chain-of-custody documentation to Eurofins TestAmerica Laboratory (TAL) in Irvine, California on the last day of sampling. All samples were analyzed for perchlorate, chlorate and total dissolved solids using EPA Methods 314.0, 300.1, and SM 2540C, respectively. The TAL laboratory reports are available for Ramboll via TAL's Total Access website.

Deviations from the Wash surface water sampling program encountered during the February 2020 sampling event include:

- Field personnel were not able to sample the designated location for LVW6.6-3 due to the presence of a sandbar at the sample location. The sandbar extended above the water surface; therefore, no surface water was present at the sample location. The sample was collected as close as possible to the original

sample location. The sample location was recorded with a handheld GPS and the sample was collected at the coordinates 36.089462° N, 114.993152° W.

- There was no flow at location C-12 Channel #2; accordingly, a sample was not collected.

Surface water sampling logs are provided in Attachment A. Field investigation daily logs and calibration logs are included in Attachments B and C, respectively. The electronic data deliverable (EDD) with the recorded sample depths and field parameters will be transmitted in a separate Excel file.

CERTIFICATION

I hereby certify that I am responsible for the services described in this document and for the preparation of this document. The services described in this document have been prepared in a manner consistent with the current standards of the profession, and to the best of my knowledge, comply with all applicable federal, state, and local statutes, regulations, and ordinances. I hereby certify that all laboratory analytical data was generated by a laboratory certified by the NDEP for each constituent and media presented herein.

Description of Services Provided: Prepared February 2020 monthly Las Vegas Wash surface water sampling summary.

2/24/2020

Kyle Hansen, CEM
Field Operations Manager/Geologist
Tetra Tech, Inc.

Date

Nevada CEM Certificate Number: 2167
Nevada CEM Expiration Date: September 18, 2020

Figure

\\TTS134FS1\SUP-GIS\ARCPRJ2\INERT\MXD\SAMPLE_LOCATION_M15_MONTHLY_032018.MXD

Legend

- Monthly Sample Locations

TETRA TECH
www.tetratech.com
150 S. 4th Street, Unit A
Henderson, Nevada 89015
PHONE: (702) 854-2293

NEVADA ENVIRONMENTAL RESPONSE TRUST

LAS VEGAS WASH MONTHLY SAMPLING
HENDERSON, NEVADA

LAS VEGAS WASH SAMPLE POINT LOCATIONS

Project No.:	117-7502018
Date:	SEPTEMBER 17, 2018
Designed By:	ES
Figure No.	1

Attachment A
Surface Water Sampling Logs

TETRA TECH

SURFACE WATER SAMPLING LOG

NERT, Henderson, NV

Task Name: LVW Surface Water Sampling	Task Manager: Jesse Bunkers	Task No: M15	Date: 2/5/20
Field Samplers: JB, RG	Sampling Method: Dipper Bottle	Equipment Decon. Method: DI Rinse	

Time	Location ID	Depth of Water (ft)	Depth of Sample (ft)	Temp. (°C)	pH (pH Units)	Conductivity (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Color	Odor
0845	LVW0.55	2.0	1.0	12.0	8.00	2.081	10.92	234.6	4.7	clear	none
1015	LVW3.5-1	1.6	0.8	12.2	8.06	2.085	10.52	192.8	3.1	clear	none
1015	LVW3.5-2	2.4	1.2	12.3	7.98	2.106	10.58	213.7	3.2	clear	none
1015	LVW3.5-3	4.6	2.3	12.8	7.99	2.102	10.52	210.0	2.2	clear	none
1015	LVW3.5-4	4.0	2.0	12.9	8.00	2.097	10.53	211.6	3.0	clear	none
1015	LVW3.5-5	3.8	1.9	12.8	8.00	2.087	10.47	209.8	2.2	clear	none
1015	LVW3.5-6	3.6	1.8	13.1	7.96	2.086	10.45	211.7	2.1	clear	none
1100	LVW4.2-1	2.6	1.3	13.2	7.91	~~2.133~~ 2.077	10.23	197.1	3.8	clear	none
1100	LVW4.2-2	4.2	2.1	13.7	7.89	2.122	10.27	196.7	2.7	clear	none
1100	LVW4.2-3	5.2	2.6	14.0	7.93	2.106	10.33	198.0	4.4	clear	none
1100	LVW4.2-4	3.6	1.8	14.2	7.94	2.085	10.30	198.0	2.9	clear	none
1145	LVW4.75-1	1.8	0.9	14.7	7.99	2.162	10.07	191.7	7.9	clear	none
1145	LVW4.75-2	2.0	1.0	15.1	7.97	2.148	10.03	192.9	22.1	clear	none
1145	LVW4.75-3	1.6	0.8	14.8	8.01	2.127	10.20	194.3	17.6	clear	none
1145	LVW4.75-4	2.0	1.0	14.7	8.02	2.117	10.17	195.0	17.5	clear	none
1145	LVW4.75-5	1.6	0.8	14.7	8.00	2.129	10.26	196.0	11.3	clear	none
1230	LVW5.3-1	6.0	3.0	16.4	8.05	2.126	10.13	196.9	20.0	clear	none

QA/QC Samples/ID: LVW0.55 - 1.0 - 20200205	QA/QC Samples/ID:	QA/QC Samples/ID:
QA/QC Sample Time: 0845	QA/QC Sample Time:	QA/QC Sample Time:

C1-E	Flow (L/s): _____ Width (ft): _____ Depth (ft): _____	C1-W	Flow (L/s): _____ Width (ft): _____ Depth (ft): _____	C-12	Flow (L/s): _____ Width (ft): _____ Depth (ft): _____

Observations/Comments:

TETRA TECH

SURFACE WATER SAMPLING LOG

NERT, Henderson, NV

Task Name: LVW Surface Water Sampling | Task Manager: Jesse Bunkers | Task No: M15 | Date: 2/5/20, 2/6/20

Field Samplers: JB, PG | Sampling Method: Dipper Bottle | Equipment Decon. Method: DI Rinse

Time	Location ID	Depth of Water (ft)	Depth of Sample (ft)	Temp. (°C)	pH (pH Units)	Conductivity (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Color	Odor
1230	LVW 5.3-2	2.4	1.2	16.2	8.05	2.117	10.03	198.3	27.9	clear	none
1230	LVW 5.3-3	1.6	0.8	16.3	8.05	2.121	10.09	198.4	23.9	clear	none
1230	LVW 5.3-4	4.2	2.1	16.2	8.05	2.124	10.20	199.0	22.2	clear	none
1230	LVW 5.3-5	1.2	0.6	16.5	8.02	2.124	10.19	199.5	23.7	clear	none
1230	LVW 5.3-6	1.0	0.5	15.1	8.01	2.128	10.31	200.2	28.7	clear	none
1430	C1-E	0.0	0.0	17.9	7.80	4.208	9.23	173.2	3.0	clear	none
1430	C1-W	0.0	0.0	19.0	7.69	4.360	9.15	175.3	1.2	clear	none
0900	LVLW6.05	1.4	0.7	13.4	8.02	2.106	10.12	152.6	12.1	clear	none
0945	LVW6.6-1	2.8	1.4	14.3	7.77	2.372	9.83	184.4	3.7	clear	none
0945	LVW6.6-2	3.4	1.7	15.4	7.88	1.961	9.92	183.0	2.4	clear	none
0945	LVW6.6-3	1.0	0.5	14.7	7.86	1.815	9.81	183.7	4.3	clear	none
1015	LVW7.2	1.4	0.7	15.9	8.15	2.145	10.69	176.2	4.1	clear	none
1115	LVW8.65	2.0	1.0	18.7	7.61	1.724	9.75	191.7	7.5	clear	none

2/5

2/6

QA/QC Samples/ID: LVW6.05-0.7-20200206-FD | QA/QC Samples/ID: LVW6.05-20200206-FB | QA/QC Samples/ID: LVW7.2-0.7-20200206-FD / FB

QA/QC Sample Time: 0900 | QA/QC Sample Time: 0900 | QA/QC Sample Time: 1015

C1-E: Flow (L/s): 0.673 — ~~Depth~~ Width (ft): 0.045 ~~Width~~ Depth (ft): 0.60

C1-W: Flow (L/s): 3.58 — Width (ft): 0.87 Depth (ft): 0.100

C-12: Flow (L/s): No flow — Width (ft): _____ Depth (ft): _____

Observations/Comments:

Attachment B
Field Investigation Daily Logs

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: LVW Surface Water Sampling	Task Manager: Jesse Bunkers	Date: 2/5/20
Field Personnel: J. Bunkers, P. Groff		Task No: M15
Location: Las Vegas Wash		Reported by: Jesse Bunkers

Weather Conditions: 45°F Sunny, Calm

Total Vehicle Mileage: 20

Task Visitors / Subcontractors: None

Matters of Safety:

Trip hazards, hypothermia

Problems / Concerns and Corrective Actions Taken:

None

Time	Activities
0700	Meet Sampling team at Tt office, safety review, gather supplies, mobe to Lake Mead
0845	Collect Samples LVW0.55-1.0-20200205 and FD, mobe to LVW3.5
1015	Collect samples LVW3.5-1 thru LVW3.5-6, mobe to LVW4.2
1100	Collect samples LVW4.2-1 thru LVW4.2-4, mobe to LVW4.75
1145	Collect samples LVW4.75-1 thru LVW4.75-5, mobe to LVW5.3
1230	Collect Samples LVW5.3-1 thru LVW5.3-6, mobe to lunch
1315	Mobe to C-1 Channel
1430	No flow at C-12 Channel, Collect C-1 channel measurements and samples C1-E and C1-W

C1-E — depth: 0.045 ft width: 0.60 ft

Time (s)	Volume (L)	Flow (L/s)	
4.89	3.5	0.715	
5.68	3.8	0.670	0.673
6.16	3.9	0.634	

C1-W — depth: 0.100 ft width: 0.87 ft

Time (s)	Volume (L)	Flow (L/s)	
2.43	8.7	3.58	
2.72	9.4	3.46	3.58
2.44	9.0	3.69	

Time	Activities
1530	Arrive at office, store samples, equipment. Done for day

☐ LVW8.85: 36.107231, -115.019994	☑ LVW5.3-6: 36.090660, -114.973903	☑ LVW4.2-2: 36.094817, -114.954612
☐ LVW7.2: 36.090604, -115.000302	☑ C1-E: 36.086147, -114.972022	☑ LVW4.2-3: 36.094978, -114.954716
☐ LVW6.6-1: 36.089145, -114.993282	☑ C1-W: 36.086147, -114.972022	☑ LVW4.2-4: 36.095108, -114.954806
☐ LVW6.6-2: 36.089351, -114.993309	☑ C12: 36.086125, -114.970255 No flow	☑ LVW3.5-1: 36.100422, -114.943298
☐ LVW6.6-3: 36.089485, -114.993333	☑ LVW4.75-1: 36.092979, -114.961810	☑ LVW3.5-2: 36.100459, -114.943329
☐ LVW6.05: 36.087849, -114.985682	☑ LVW4.75-2: 36.093130, -114.961928	☑ LVW3.5-3: 36.100548, -114.943390
☑ LVW5.3-1: 36.089867, -114.973112	☑ LVW4.75-3: 36.093277, -114.962051	☑ LVW3.5-4: 36.100585, -114.943405
☑ LVW5.3-2: 36.090072, -114.973322	☑ LVW4.75-4: 36.093431, -114.962174	☑ LVW3.5-5: 36.100606, -114.943451
☑ LVW5.3-3: 36.090218, -114.973467	☑ LVW4.75-5: 36.093580, -114.962301	☑ LVW3.5-6: 36.100645, -114.943493
☑ LVW5.3-4: 36.090367, -114.973612	☑ LVW4.2-1: 36.094695, -114.954570	☑ LVW0.55: 36.122158, -114.904631
☑ LVW5.3-5: 36.090513, -114.973758		

Prepared by: Jesse Bunkers Signature: JCBL Date: 2/5/20

TETRA TECH **FIELD INVESTIGATION DAILY LOG**

NERT, Henderson, NV

Task Name: LVW Surface Water Sampling	Task Manager: Jesse Bunkers	Date: 2/6/20
Field Personnel: J. Bunkers, P. Groff		Task No: M15
Location: Las Vegas Wash		Reported by: Jesse Bunkers

Weather Conditions: 52°F Sunny, Calm

Total Vehicle Mileage: 25

Task Visitors / Subcontractors: None

Matters of Safety:

Trip hazards

Problems / Concerns and Corrective Actions Taken:

None

Time	Activities
0700	Meet sampling team at TT office, safety review, gather supplies, mobe to field
0900	Collect samples LVW6.05-0.7-20200206 + FD + FB, mobe to LVW 6.6
0945	Collect samples LVW6.6-1 thru LVW6.6-3, Modified sample location for
	LVW6.6-3 due to presence of above-water sand bar to 36.089462°N, 114.993152°W,
	mobe to LVW7.2
1015	Collect samples LVW7.2-0.7-20200206 + FD + FB, mobe to LVW8.85
1115	Collect sample LVW8.85-1.0-20200206, decon equipment, mobe to office
1300	Hand off samples to laboratory courier, scan field forms, ship/store equipment
1530	Done for day

☑ LVW8.85: 36.107231, -115.019994	☐ LVW5.3-6: 36.090660, -114.973903	☐ LVW4.2-2: 36.094817, -114.954612
☑ LVW7.2: 36.090604, -115.000302	☐ C1-E: 36.086147, -114.972022	☐ LVW4.2-3: 36.094978, -114.954716
☑ LVW6.6-1: 36.089145, -114.993282	☐ C1-W: 36.086147, -114.972022	☐ LVW4.2-4: 36.095108, -114.954806
☑ LVW6.6-2: 36.089351, -114.993309	☐ C12: 36.086125, -114.970255	☐ LVW3.5-1: 36.100422, -114.943298
☑ LVW6.6-3: 36.089485, -114.993333 Modified	☐ LVW4.75-1: 36.092979, -114.961810	☐ LVW3.5-2: 36.100459, -114.943329
☑ LVW6.05: 36.087849, -114.985682	☐ LVW4.75-2: 36.093130, -114.961928	☐ LVW3.5-3: 36.100548, -114.943390
☐ LVW5.3-1: 36.089867, -114.973112	☐ LVW4.75-3: 36.093277, -114.962051	☐ LVW3.5-4: 36.100585, -114.943405
☐ LVW5.3-2: 36.090072, -114.973322	☐ LVW4.75-4: 36.093431, -114.962174	☐ LVW3.5-5: 36.100606, -114.943451
☐ LVW5.3-3: 36.090218, -114.973467	☐ LVW4.75-5: 36.093580, -114.962301	☐ LVW3.5-6: 36.100645, -114.943493
☐ LVW5.3-4: 36.090367, -114.973612	☐ LVW4.2-1: 36.094695, -114.954570	☐ LVW0.55: 36.122158, -114.904631
☐ LVW5.3-5: 36.090513, -114.973758		

Prepared by: Jesse Bunkers Signature: _____ Date: 2/6/2020

Attachment C
Calibration Logs

EQUIPCO RENTALS

YSI ProDSS RENTAL
CALIBRATION CERTIFICATE

SERVICE TECHNICIAN: CLB

DATE: 01/29/2020

RENTAL CUSTOMER: Tetra Tech

INSTRUMENT INFORMATION

RENTAL I.D. NUMBER: YSIPRODSS.14

SERIAL NUMBER: 16J104180

CALIBRATION INFORMATION

PARAMETER:	STANDARD:	PASS ( )	LOT #
1. CONDUCTIVITY	1,000 µMhos	✓	035204
2. pH ZERO	pH 7	✓	031274
pH SLOPE	pH 4	✓	031273
pH SLOPE	pH 10	✓	57332
3. DISSOLVED OXYGEN	Air Calibration Barometric pressure = 760mmHg	✓	N/A
DISSOLVED OXYGEN ZERO TEST	(Sodium Sulfite)	—	N/A
4. TURBIDITY ZERO	0.0 NTU's	✓	29JAN2020
TURBIDITY SPAN	20 NTU's	✓	29JAN2020
5. REDOX (ORP)	231mV (YSI Zobell solution)	✓	121719

2100 Meridian Park Blvd, Concord, CA 94520

Phone (888) 234-5678 Fax (925) 305-1301

TETRA TECH

CALIBRATION LOG - WATER QUALITY METER

NERT, Henderson, NV

Task Name: LVW Surface Water Sampling	Task No.: M15	Rental from: EQUIPCO	Task Manager: Jesse Bunkers
Field Personnel: JB, PG		Serial Number: YSIPRODSS.14	Type: YSI ProDSS

			Pre-Calibration							Post-Calibration						
Date	Time	Temp (°C)	pH (pH = 4.0)	pH (pH = 7.0)	pH (pH = 10.0)	ORP (mV)	Cond. (mS/cm)	DO (%)	Turbidity (NTU)	pH (pH = 4.0)	pH (pH = 7.0)	pH (pH = 10.0)	ORP (mV)	Cond. (mS/cm)	DO (%)	Turbidity (NTU)
2/5/20	0730	20.0	4.26	6.93	9.62	230.2	1.271	101.2	2.7	3.99	7.00	9.98	255.5	1.098	100.4	0.09
2/6/20	0700	20.4	4.19	7.13	10.09	224.0	1.206	103.2	2.1	4.02	7.00	10.04	238.1	1.079	100.7	0.04

Notes:

TETRA TECH

TECHNICAL MEMORANDUM

To:	**Chris Ritchie, Ramboll**
Cc:	Steve Clough, Nevada Environmental Response Trust Annika Deurlington, Jesse King, Emeryville Lab Data, Ramboll David Bohmann, Tetra Tech
From:	Jesse Bunkers and James Roman
Date:	April 20, 2020
Subject:	**March 2020 Monthly Groundwater Monitoring Summary** **Nevada Environmental Response Trust Site** **Henderson, NV**

MONTHLY DEPTH TO WATER MEASUREMENTS

At the direction of the Nevada Environmental Response Trust (NERT or Trust), Tetra Tech, Inc. (Tetra Tech) has prepared this summary for the March 2020 monthly depth-to-water measurement event. This activity was performed in accordance with Ramboll's *Remedial Performance Groundwater Sampling and Analysis Plan* and *Field Guidance Document No. 008 – Groundwater and Free Product Level Measurements*, both dated March 2017.

The depth to water was measured at 24 monitoring wells on March 3, 2020. The well locations are identified on Figure 1. No deviations from the groundwater monitoring program were encountered. All wells were observed to be in good condition.

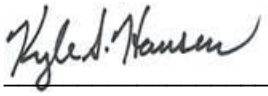
The field water level measurement log is included in Attachment A. The electronic data deliverable (EDD), with the recorded depth to water data, will be transmitted separately as an Excel file.

Tetra Tech, Inc.
150 S. 4th Street, Unit A, Henderson, NV 89015
Tel 702-854-2295 tetratech.com

CERTIFICATION

I hereby certify that I am responsible for the services described in this document and for the preparation of this document. The services described in this document have been prepared in a manner consistent with the current standards of the profession, and to the best of my knowledge, comply with all applicable federal, state, and local statutes, regulations, and ordinances. I hereby certify that all laboratory analytical data was generated by a laboratory certified by the NDEP for each constituent and media presented herein.

Description of Services Provided: March 2020 Monthly Groundwater Monitoring Summary.



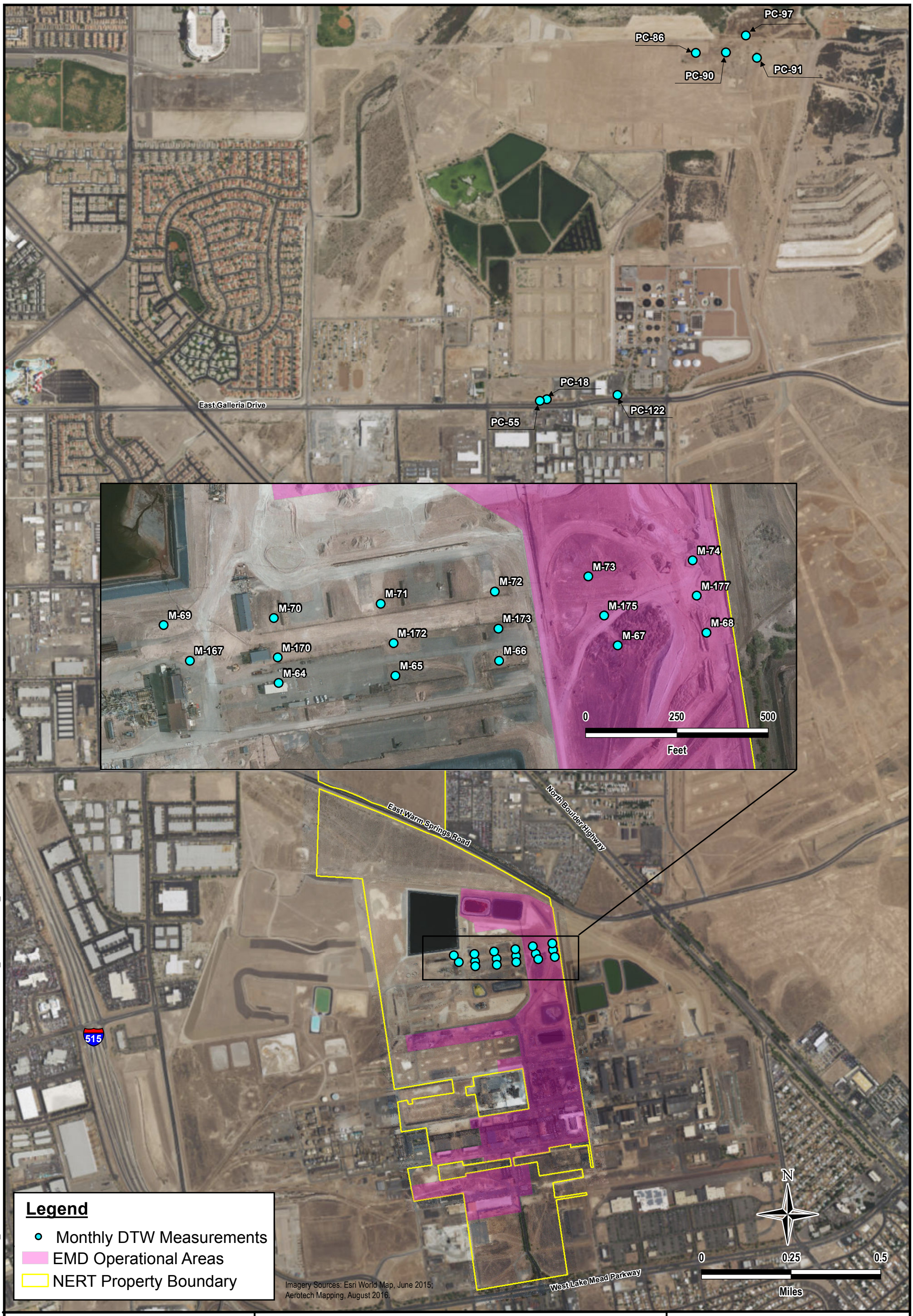
4/20/2020

Kyle Hansen, CEM
Field Operations Manager/Geologist
Tetra Tech, Inc.

Date

Nevada CEM Certificate Number: 2167
Nevada CEM Expiration Date: September 18, 2020

Figure



\\TTS134FS1\SUP-PROJECTS\BLD01\520225_NERT\GW MONITORING\FIELD MAPS\MONTHLY DTW MAPS\FIG01_MONTHLYWLM_ES.MXD

TETRA TECH
www.tetratech.com

150 S. 4th Street, Unit A
Henderson, Nevada 89015
Phone: (702) 854-2293

NEVADA ENVIRONMENTAL RESPONSE TRUST

GROUNDWATER MONITORING PROGRAM
HENDERSON, NEVADA

MONTHLY WATER LEVEL MEASUREMENT WELLS

Project No.:	117-7502017
Date:	SEPTEMBER 20, 2017
Designed By:	ES

Figure No.
1

Attachment A
Field Water Level Measurement Log

TETRA TECH

WELL WATER LEVEL MEASUREMENT LOG

Task Name: GW Monitoring	Task No: H02	Date: 3/3/2020
Task Manager: Jesse Bunkers	Location: Site Wide	
Equipment Model/Type: Solinst Water Level Meter	*Serial Number:* 321672	*Recorded by:* K. Hansen

Time	Well ID	Measuring Point	Depth to Static Water Level (ft BMP)	Condition of Well and Well Seal	Dedicated Tubing (Y/N)
1450	M-73	TOC	30.28	Good	Y
1440	M-175	TOC	20.53	Good	Y
1420	M-67	TOC	21.29	Good	Y
1500	M-74	TOC	27.85	Good	Y
1510	M-177	TOC	21.31	Good	Y
1520	M-68	TOC	25.93	Good	Y
1226	M-167	TOC	27.56	Good	Y
1210	M-69	TOC	32.38	Good	Y
1250	M-70	TOC	31.94	Good	Y
1240	M-170	TOC	25.98	Good	Y
1230	M-64	TOC	26.91	Good	Y
1320	M-65	TOC	29.34	Good	Y
1310	M-172	TOC	27.61	Good	Y
1300	M-71	TOC	34.87	Good	Y
1400	M-66	TOC	29.50	Good	Y
1350	M-173	TOC	26.51	Good	Y
1340	M-72	TOC	31.31	Good	Y
1610	PC-91	TOC	9.48	Good	Y
1620	PC-97	TOC	3.36	Good	Y
1630	PC-90	TOC	4.18	Good	Y
1640	PC-86	TOC	10.81	Good	Y
1555	PC-122	TOC	31.79	Good	Y
1540	PC-18	TOC	34.05	Good	Y
1545	PC-55	TOC	32.76	Good	Y

BMP = Below Measuring Point TOC = Top of Casing (Well Riser)

March 2020 Sampling Event

DTW readings taken manually on all Interceptor Wells, SWF, AWF and AP5 Wells

Issues/Concerns

IWF, SWF, AWF, AP5 Wells	DTW taken with Geotech Water Level Meter Serial #6329.
PC99R2/R3	When taking DTW readings, PC-99R2 was feeding into PC-99R3 so quickly that splash was preventing us from obtaining an accurate DTW reading. Unable to remove transducer from well or pass with TWD probe. Recorded DTW readings from Control Panel
AP5 Wells	Sampled by ETI MAR032020. Will be done on a Monthly basis by ETI.
*ART-1A, ART-2	*All have more than 1-foot difference in DTW from 2/2020 to 3/2020. Data recorded on field sheet
*ART-3A, ART-6, ART-7A, ART-7B, ART-9	
* ART-8, ART-8A, PC-150, I-AA, I-AB, I-AD, I-AR	
* I-AB, I-AD, I-AR, I-C, I-D, I-K, I-L, I-M, I-N, I-O	
* I-R, I-S, I-T, I-U, I-W, I-Y, I-Z	
ART-2 and ART-2A	Both wells running at time of DTW and Sampling. Sample bottles labeled as ART-2 3520
I-AB, I-AC, I-AD	DTW taken prior to turning well on to sample, purged prior to collecting sample.
I-Q	DTW probe hitting top of pump. Unable to bypass pump/motor with DTW probe or skinny probe.
I-W, I-D	Transducer is out of water. Daily DTW measurements will be collected by ETI
I-C, I-Y	ETI daily DTW measurements.
	Emily Eames and Thomas McDaniel sampled March 2020

FD/EB

SWF	PC-99R2/R3 3 4 20-FD	PC-115R 3 4 20-EB
AWF	ART-8A 3 5 20-FD	ART-9 3 5 20-EB
IWF	I-U 3 11 20-FD	I-V 3 9 20-EB
AP5 Wells	E1-2 3 3 20-FD	E1-3 3 3 20-EB

**Per email from Emily Gilson dated 4/12/2017 – removed historical_reference_elev and water_level_elev data from 2017 Groundwater Sampling EDD

Field Forms changes	TWD will be marked with a "NM" not measured, unless a manual reading obtained. Manually record TWD in May
Monthly Table changes	Effective 9/13/18- Well casing and LT Elevations email from David Bohmann dated 9/13/18
	Effective 8/1/2017 - TWD recorded annually in May - forms are to be marked at NM (Not Measured) per email from Katie Linscott 7/19/2017

WATER SAMPLING FIELD LOG

Well No.: 1-AA

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 3/ 10 /2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: rainy

WELL INFORMATION: **DTW ONLY** _____

Total Well Depth: NM Feet Date: 3/ 10/2020 Time: 1123

("NM" no measurement, manually measured on annual basis)

Depth to Water: 44.22 Feet (Manually taken at well __√__ Taken at Control Panel_____)

Height of Water
Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1124	6.10	4.87 mS/Cm	20.4 °C	

Field Ph= 6.10

Sample Appearance: clear

Sample Collection Time Started: 1124 Time Finished: 1128

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading **QC** _____

_____ **mS/cm**

_____**Temperature**

WATER SAMPLING FIELD LOG

Well No.: 1-AB

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 3/10/2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: rainy

WELL INFORMATION: **DTW ONLY** _____

Total Well Depth: NM Feet Date: 3/10/2020 Time: 1129

("NM" no measurement, manually measured on annual basis)

Depth to Water: 33.30 Feet (Manually taken at well √ Taken at Control Panel_____)

Height of Water
Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1132	6.66	4.82 mS/Cm	21.0 °C	

Field Ph= 6.66

Sample Appearance: clear

Sample Collection Time Started: 1132 Time Finished: 1136

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at 1130, flowing at 6.8 gpm. Purged for 2 minutes, 2 minutes required per spreadsheet. Turned well off at 1136.

DUP EC reading **QC** _____

_____ **mS/cm**

_____**Temperature**

WATER SAMPLING FIELD LOG

Well No.: 1-AC

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 3/ 9 /2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: Sunny

WELL INFORMATION: **DTW ONLY** _____

Total Well Depth: NM Feet Date: 3/ 9 /2020 Time: 1128

("NM" no measurement, manually measured on annual basis)

Depth to Water: 29.98 Feet (Manually taken at well √ Taken at Control Panel_____)

Height of Water Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1135	6.40	6.47 mS/Cm	22.4 °C	

Field Ph= 6.40

Sample Appearance: pale yellow

Sample Collection Time Started: 1135 Time Finished: 1137

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at 1128, flowing at 2.5 gpm. Purged for 6 minutes, 4+ minutes required per spreadsheet. Turned well off at 1137.

DUP EC reading **QC** _____

_____ **mS/cm**

_____**Temperature**

WATER SAMPLING FIELD LOG

Well No.: 1-AD

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 3/ 9 /2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: Sunny

WELL INFORMATION: **DTW ONLY** _____

Total Well Depth: NM Feet Date: 3/ 9 /2020 Time: 1138

("NM" no measurement, manually measured on annual basis)

Depth to Water: 31.20 Feet (Manually taken at well __√__ Taken at Control Panel_____)

Height of Water
Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1141	6.85	5.85 mS/Cm	22.9 °C	

Field Ph= 6.85

Sample Appearance: pale yellow

Sample Collection Time Started: 1141 Time Finished: 1144

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at 1139, flowing at 13.3 gpm. Purged for 2 minutes, ~~4~~ 2 minutes required per spreadsheet. Turned well off at _____.

DUP EC reading

_____ **mS/cm**

_____**Temperature**

QC _____

WATER SAMPLING FIELD LOG

Well No.: 1-AR

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 3/10/2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: rainy

WELL INFORMATION: **DTW ONLY** _____

Total Well Depth: NM Feet Date: 3/10/2020 Time: 1206

("NM" no measurement, manually measured on annual basis)

Depth to Water: 34.08 Feet (Manually taken at well __√__ Taken at Control Panel_____)

Height of Water Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1207	7.44	6.49 mS/Cm	18.4 °C	

Field Ph= 7.44

Sample Appearance: brownish orange

Sample Collection Time Started: 1207 Time Finished: 1211

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading **QC** _____

_____ **mS/cm**

_____**Temperature**

WATER SAMPLING FIELD LOG

Well No.: 1-B

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 3/ 10 /2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: rainy

WELL INFORMATION: **DTW ONLY** _____

Total Well Depth: NM Feet Date: 3/10 /2020 Time: 1137

("NM" no measurement, manually measured on annual basis)

Depth to Water: 44.29 Feet (Manually taken at well √ Taken at Control Panel_____)

Height of Water
Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1139	6.83	5.28 mS/Cm	19.8 °C	

Field Ph= 6.83

Sample Appearance: Clear

Sample Collection Time Started: 1139 Time Finished: 1141

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading **QC** _____

_____ **mS/cm**

_____**Temperature**

WATER SAMPLING FIELD LOG

Well No.: 1-C

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 3/ 10 /2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: rainy

WELL INFORMATION: **DTW ONLY** _____

Total Well Depth: NM Feet Date: 3/10/2020 Time: 1213

("NM" no measurement, manually measured on annual basis)

Depth to Water: 31.95 Feet (Manually taken at well __√__ Taken at Control Panel_____)

Height of Water
Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1215	7.40	7.26 mS/Cm	22.5 °C	

Field Ph= 7.40

Sample Appearance: pale yellow

Sample Collection Time Started: 1215 Time Finished: 1218

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading

_____ mS/cm

_____Temperature

QC _____

WATER SAMPLING FIELD LOG

Well No.: 1-D

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 3/ 10 /2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: raing

WELL INFORMATION: **DTW ONLY** _____

Total Well Depth: NM Feet Date: 3/ 10 /2020 Time: 1255

("NM" no measurement, manually measured on annual basis)

Depth to Water: 28.62 Feet (Manually taken at well _√_ Taken at Control Panel_____)

Height of Water
Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1256	7.69	8.09 mS/Cm	20.0 °C	

Field Ph= 7.69

Sample Appearance: pale yellow

Sample Collection Time Started: 1256 Time Finished: 1259

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading **QC** _____

_____ **mS/cm**

_____**Temperature**

WATER SAMPLING FIELD LOG

Well No.: 1-E

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 3/ 10 /2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: rainy

WELL INFORMATION: **DTW ONLY** _____

Total Well Depth: NM Feet Date: 3/ 10/2020 Time: 1243

("NM" no measurement, manually measured on annual basis)

Depth to Water: 30.88 Feet (Manually taken at well _√_ Taken at Control Panel_____)

Height of Water
Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1245	7.56	7.49 mS/Cm	22.5 °C	

Field Ph= 7.56

Sample Appearance: yellow w/ floaties

Sample Collection Time Started: 1245 Time Finished: 1248

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading **QC** _____

_____ **mS/cm**

_____**Temperature**

WATER SAMPLING FIELD LOG

Well No.: 1-F

Project No.: _____

Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera

Date: 3/ 10 /2020

Sampling Method: √ Sample collected from Sample Port ○Hand bailed due to location of well

Weather Conditions: rainy

WELL INFORMATION: **DTW ONLY** _____

Total Well Depth: NM Feet Date: 3/10 /2020 Time: 1222

("NM" no measurement, manually measured on annual basis)

Depth to Water: 26.82 Feet (Manually taken at well _√_ Taken at Control Panel_____)

Height of Water
Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1225	7.41	8.94 mS/Cm	20.1 °C	

Field Ph= 7.41

Sample Appearance: yellow

Sample Collection Time Started: 1225 Time Finished: 1230

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading

_____ **mS/cm**

_____**Temperature**

QC _____

WATER SAMPLING FIELD LOG

Well No.: 1-G

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 3/ 11 /2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: Cloudy

WELL INFORMATION: **DTW ONLY** _____

Total Well Depth: NM Feet Date: 3/11/2020 Time: 1131

("NM" no measurement, manually measured on annual basis)

Depth to Water: 30.65 Feet (Manually taken at well __√__ Taken at Control Panel_____)

Height of Water
Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1132	6.90	10.27 mS/Cm	22.6 °C	

Field Ph= 6.90

Sample Appearance: yellow

Sample Collection Time Started: 1132 Time Finished: 1135

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading **QC** _____

_____ **mS/cm**

_____**Temperature**

WATER SAMPLING FIELD LOG

Well No.: 1-H

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 3/ 11 /2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: Cloudy

WELL INFORMATION: **DTW ONLY** _____

Total Well Depth: NM Feet Date: 3/ 11 /2020 Time: 1149

("NM" no measurement, manually measured on annual basis)

Depth to Water: 33.34 Feet (Manually taken at well __√__ Taken at Control Panel_____)

Height of Water Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1150	7.25	10.16 mS/Cm	22.0 °C	

Field Ph= 7.25

Sample Appearance: yellow

Sample Collection Time Started: 1150 Time Finished: 1153

Analyses: CLO4 | TDS/NO3 | CR | CLO3 | TDS/NO3/SO4/CL | CRVI

Bottles: 1btl | 1btl | 1btl | 1btl | 1btl | 1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading

10.20 mS/cm

22.0 **Temperature**

QC 6.99

WATER SAMPLING FIELD LOG

Well No.: 1-1

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 3/ 9 /2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: Sunny

WELL INFORMATION: **DTW ONLY** _____

Total Well Depth: NM Feet Date: 3/ 9 /2020 Time: 1212

("NM" no measurement, manually measured on annual basis)

Depth to Water: 23.25 Feet (Manually taken at well __√__ Taken at Control Panel_____)

Height of Water
Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1213	7.56	6.71 mS/Cm	23.4 °C	

Field Ph= ~~6.~~ 7.56

Sample Appearance: yellow

Sample Collection Time Started: 1213 Time Finished: 1216

Analyses: CLO4 | TDS/NO3 | CR | CLO3 | TDS/NO3/SO4/CL | CRVI
Bottles: 1btl | 1btl | 1btl | 1btl | 1btl | 1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading **QC** _____

_____ **mS/cm**

_____**Temperature**

WATER SAMPLING FIELD LOG

Well No.: 1-J

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 3/ 9 /2020

Sampling Method: V Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: Sunny

WELL INFORMATION: **DTW ONLY** ____

Total Well Depth: NM Feet Date: 3/ 9 /2020 Time: 1157

("NM" no measurement, manually measured on annual basis)

Depth to Water: 43.31 Feet (Manually taken at well V Taken at Control Panel_____)

Height of Water
Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1159	7.26	6.00 mS/Cm	23.1 °C	

Field Ph= 7.26

Sample Appearance: pale yellow

Sample Collection Time Started: 1159 Time Finished: 1204

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading
6.01 mS/cm
23.1 Temperature

QC 7.02

WATER SAMPLING FIELD LOG

Well No.: 1-K

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 3/ 9 /2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: Sunny

WELL INFORMATION: **DTW ONLY** ____

Total Well Depth: NM Feet Date: 3/ 9 /2020 Time: 1145

("NM" no measurement, manually measured on annual basis)

Depth to Water: 34.51 Feet (Manually taken at well __√__ Taken at Control Panel_____)

Height of Water
Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1151	7.03	6.60 mS/Cm	25.0 °C	

Field Ph= 7.03

Sample Appearance: Pale yellow

Sample Collection Time Started: 1151 Time Finished: 1155

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading **QC** _____

_____ **mS/cm**

_____**Temperature**

WATER SAMPLING FIELD LOG

Well No.: 1-L

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 3/ 10 /2020

Sampling Method: V Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: rainy

WELL INFORMATION: **DTW ONLY** _____

Total Well Depth: NM Feet Date: 3/10/2020 Time: 1153

("NM" no measurement, manually measured on annual basis)

Depth to Water: 30.72 Feet (Manually taken at well _V_ Taken at Control Panel_____)

Height of Water
Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1154	7.29	6.09 mS/Cm	19.3 °C	

Field Ph= 7.29

Sample Appearance: pale yellow

Sample Collection Time Started: 1154 Time Finished: 1158

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading QC 6.98

6.11 mS/cm

19.3 **Temperature**

WATER SAMPLING FIELD LOG

Well No.: 1-M

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 3/ 10 /2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: rainy

WELL INFORMATION: **DTW ONLY** _____

Total Well Depth: NM Feet Date: 3/ 10/2020 Time: 1249

("NM" no measurement, manually measured on annual basis)

Depth to Water: 30.37 Feet (Manually taken at well _√_ Taken at Control Panel_____)

Height of Water
Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1250	7.68	7.46 mS/Cm	20.2 °C	

Field Ph= 7.68

Sample Appearance: yellow

Sample Collection Time Started: 1250 Time Finished: 1253

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading **QC** _____

_____ **mS/cm**

_____**Temperature**

WATER SAMPLING FIELD LOG

Well No.: I-N

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 3/10/2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: rainy

WELL INFORMATION: **DTW ONLY** _____

Total Well Depth: NM Feet Date: 3/10/2020 Time: 1238

("NM" no measurement, manually measured on annual basis)

Depth to Water: 27.72 Feet (Manually taken at well __√__ Taken at Control Panel_____)

Height of Water
Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1239	7.56	7.94 mS/Cm	19.6 °C	

Field Ph= 7.56

Sample Appearance: yellow

Sample Collection Time Started: 1239 Time Finished: 1242

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading

7.90 **mS/cm**

19.7 **Temperature**

QC 7.00

WATER SAMPLING FIELD LOG

Well No.: I-0

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 3/ 11 /2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: Cloudy

WELL INFORMATION: **DTW ONLY** ____

Total Well Depth: NM Feet Date: 3/ 11 /2020 Time: 1200

("NM" no measurement, manually measured on annual basis)

Depth to Water: 31.31 Feet (Manually taken at well __√__ Taken at Control Panel_____)

Height of Water
Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1205	7.39	9.42 mS/Cm	23.5 °C	

Field Ph= 7.39

Sample Appearance: yellow

Sample Collection Time Started: 1205 Time Finished: 1208

Analyses: CLO4 | TDS/NO3 | CR | CLO3 | TDS/NO3/SO4/CL | CRVI
Bottles: 1btl | 1btl | 1btl | 1btl | 1btl | 1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading **QC** _____

_____ **mS/cm**

_____**Temperature**

WATER SAMPLING FIELD LOG

Well No.: 1-P

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 3/ 11 /2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: cloudy

WELL INFORMATION: **DTW ONLY** _____

Total Well Depth: NM Feet Date: 3/ 11 /2020 Time: 1154

("NM" no measurement, manually measured on annual basis)

Depth to Water: 29.33 Feet (Manually taken at well __√__ Taken at Control Panel_____)

Height of Water Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1155	7.15	10.10 mS/Cm	22.9 °C	

Field Ph= 7.15

Sample Appearance: yellow

Sample Collection Time Started: 1155 Time Finished: 1158

Analyses / Bottles:

CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading **QC** _____

_____ **mS/cm**

_____**Temperature**

WATER SAMPLING FIELD LOG

Well No.: I-Q

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 3/11/2020

Sampling Method: ☑ Sample collected from Sample Port ◯ Hand bailed due to location of well

Weather Conditions: Cloudy

WELL INFORMATION: **DTW ONLY** _____

Total Well Depth: NM Feet Date: 3/11/2020 Time: 1126

("NM" no measurement, manually measured on annual basis)

Depth to Water: ~~1721.82~~ 11 3179 Feet (Manually taken at well _____ Taken at Control Panel ✓)

Height of Water Column (L) : Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1127	6.57	10.47 mS/Cm	22.2 °C	

Field Ph= 6.57

Sample Appearance: yellow

Sample Collection Time Started: 1127 Time Finished: 1130

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading **QC** _____

_____ **mS/cm**

_____**Temperature**

WATER SAMPLING FIELD LOG

Well No.: 1-R

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 3/ 10 /2020

Sampling Method: V Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: raining

WELL INFORMATION: **DTW ONLY** ____

Total Well Depth: NM Feet Date: 3/10 /2020 Time: 1142

("NM" no measurement, manually measured on annual basis)

Depth to Water: 31.61 Feet (Manually taken at well _V_ Taken at Control Panel_____)

Height of Water
Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1144	6.94	6.42 mS/Cm	20.7 °C	

Field Ph= 6.94

Sample Appearance: Clear

Sample Collection Time Started: 1144 Time Finished: 1147

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading **QC** _____

_____ **mS/cm**

_____**Temperature**

WATER SAMPLING FIELD LOG

Well No.: 1-S

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 3/ 10 /2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: rainy

WELL INFORMATION: **DTW ONLY** ____

Total Well Depth: NM Feet Date: 3/ 10 /2020 Time: 1159

("NM" no measurement, manually measured on annual basis)

Depth to Water: 30.32 Feet (Manually taken at well __√__ Taken at Control Panel_____)

Height of Water
Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1200	7.36	6.28 mS/Cm	20.1 °C	

Field Ph= 7.36

Sample Appearance: pale yellow

Sample Collection Time Started: 1200 Time Finished: 1204

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading **QC** _____

_____ **mS/cm**

_____**Temperature**

WATER SAMPLING FIELD LOG

Well No.: 1-T

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 3/ 11 /2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: cloudy

WELL INFORMATION: **DTW ONLY** _____

Total Well Depth: NM Feet Date: 3/ 11 /2020 Time: 1136

("NM" no measurement, manually measured on annual basis)

Depth to Water: 34.26 Feet (Manually taken at well _√_ Taken at Control Panel_____)

Height of Water
Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1137	7.03	10.59 mS/Cm	22.4 °C	

Field Ph=_____

Sample Appearance: yellow

Sample Collection Time Started: 1137 Time Finished: 1140

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading **QC** _____

_____ **mS/cm**

_____**Temperature**

WATER SAMPLING FIELD LOG

Well No.: 1-U

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 3/ 11 /2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: Cloudy

WELL INFORMATION: **DTW ONLY** ____

Total Well Depth: NM Feet Date: 3/ 11 /2020 Time: 1141

("NM" no measurement, manually measured on annual basis)

Depth to Water: 34.45 Feet (Manually taken at well _√_ Taken at Control Panel_____)

Height of Water
Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	---	---	---
1142	7.19	10.83 mS/Cm	23.6 °C	

Field Ph= 7.19

Sample Appearance: yellow

Sample Collection Time Started: 1142 Time Finished: 1148

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

23.6C 1-U 3 11 20 FD

DUP EC reading

_____ mS/cm

_____Temperature

QC _____

10.96 mS/cm collected here at same
7.24 pH time for same analysis

WATER SAMPLING FIELD LOG

Well No.: 1-V

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 3/ 9 /2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: Sunny

WELL INFORMATION: **DTW ONLY** _____

Total Well Depth: NM Feet Date: 3/ 9 /2020 Time: 1218

("NM" no measurement, manually measured on annual basis)

Depth to Water: 30.65 Feet (Manually taken at well _√_ Taken at Control Panel_____)

Height of Water
Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1220	7.59	8.00 mS/Cm	23.1 °C	

Field Ph= 7.59

Sample Appearance: yellow

Sample Collection Time Started: 1220 Time Finished: 1230

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

8.22 pH 1-V 3 9 20 EB
QC _____ Collected here before
0.25 mS/cm moving to next well; for
24.4 °C same analysis

DUP EC reading

_____ mS/cm

_____Temperature

WATER SAMPLING FIELD LOG

Well No.: 1-W

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 3/ 11 /2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: Cloudy

WELL INFORMATION: **DTW ONLY** _____

Total Well Depth: NM Feet Date: 3/ 11 /2020 Time: 1159

("NM" no measurement, manually measured on annual basis)

Depth to Water: 32.73 Feet (Manually taken at well √ Taken at Control Panel_____)

Height of Water
Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1201	7.34	9.59 mS/Cm	22.3 °C	

Field Ph= 7.34

Sample Appearance: Yellow

Sample Collection Time Started: 1201 Time Finished: 1204

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading

_____ mS/cm

_____Temperature

QC _____

WATER SAMPLING FIELD LOG

Well No.: 1-Y

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 3/10/2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: rainy

WELL INFORMATION: **DTW ONLY** _____

Total Well Depth: NM Feet Date: 3/10/2020 Time: 1231

("NM" no measurement, manually measured on annual basis)

Depth to Water: 29.52 Feet (Manually taken at well _√_ Taken at Control Panel_____)

Height of Water
Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1233	7.44	8.62 mS/Cm	20.8 °C	

Field Ph= 7.44

Sample Appearance: yellow

Sample Collection Time Started: 1233 Time Finished: 1237

Analyses: CLO4 | TDS/NO3 | CR | CLO3 | TDS/NO3/SO4/CL | CRVI
Bottles: 1btl | 1btl | 1btl | 1btl | 1btl | 1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading

_____ mS/cm

_____Temperature

QC _____

WATER SAMPLING FIELD LOG

Well No.: 1-4

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 3/ 10 /2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: raing

WELL INFORMATION: **DTW ONLY** ____

Total Well Depth: NM Feet Date: 3/ 10 /2020 Time: 1148

("NM" no measurement, manually measured on annual basis)

Depth to Water: 34.74 Feet (Manually taken at well _√_ Taken at Control Panel_____)

Height of Water
Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1149	7.19	6.19 mS/Cm	20.1 °C	

Field Ph= 7.19

Sample Appearance: clear

Sample Collection Time Started: 1149 Time Finished: 1152

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading **QC** _____

_____ **mS/cm**

_____**Temperature**

WATER SAMPLING FIELD LOG

Well No.: 1-2

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 3/ 9 /2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: Sunny

WELL INFORMATION: **DTW ONLY** _____

Total Well Depth: NM Feet Date: 3/ 9 /2020 Time: 1205

("NM" no measurement, manually measured on annual basis)

Depth to Water: 28.76 Feet (Manually taken at well _√_ Taken at Control Panel_____)

Height of Water
Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1207	7.47	6.22 mS/Cm	23.2 °C	

Field Ph= 7.47

Sample Appearance: yellow

Sample Collection Time Started: 1207 Time Finished: 1211

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading

_____ mS/cm

_____Temperature

QC _____

WATER SAMPLING FIELD LOG

Well No.: ART-1

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 3/5/2020

Sampling Method: √ Sample collected from Sample Port ◯ Hand bailed due to location of well

Weather Conditions: Sunny

WELL INFORMATION: **DTW ONLY** ✓

Total Well Depth: _____Feet Date: 3/5/2020 Time: 1026

("NM" no measurement, manually measured on annual basis)

Depth to Water: 29.95 Feet (Manually taken at well ✓ Taken at Control Panel_____)

Height of Water
Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
		mS/Cm	°C	

Field Ph=_____

Sample Appearance:

Sample Collection Time Started: Time Finished:

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: _____

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading

_____ mS/cm

_____Temperature

QC _____

WATER SAMPLING FIELD LOG

Well No.: ART-1A

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 3/ 5 /2020

Sampling Method: √ Sample collected from Sample Port ○Hand bailed due to location of well

Weather Conditions: Sunny

WELL INFORMATION: **DTW ONLY** ____

Total Well Depth: NM Feet Date: 3/5/2020 Time: 1028

("NM" no measurement, manually measured on annual basis)

Depth to Water: 32.48 Feet (Manually taken at well _√_ Taken at Control Panel_____)

Height of Water
Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1109	7.45	5.45 mS/Cm	25.4 °C	

Field Ph= 7.45

Sample Appearance: Clear

Sample Collection Time Started: 1109 Time Finished: 1112

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading **QC** _____

_____ **mS/cm**

_____**Temperature**

WATER SAMPLING FIELD LOG

Well No.: ART-2

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 3/ 5 /2020

Sampling Method: √ Sample collected from Sample Port ○Hand bailed due to location of well

Weather Conditions: Sunny

WELL INFORMATION: **DTW ONLY** ____

Total Well Depth: NM Feet Date: 3/ 5 /2020 Time: 1022

("NM" no measurement, manually measured on annual basis)

Depth to Water: 35.09 Feet (Manually taken at well __√__ Taken at Control Panel_____)

Height of Water Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1113	7.32	9.20 mS/Cm	26.1 °C	

Field Ph= 7.32

Sample Appearance: Clear

Sample Collection Time Started: 1113 Time Finished: 1116

Analyses / Bottles:

CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

Bottles Labeled ART-2 3 5 20 as both wells are pumping

DUP EC reading

_____ **mS/cm**

_____**Temperature**

QC _____

WATER SAMPLING FIELD LOG

Well No.: ART-2A

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 3/ 5 /2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: Sunny

WELL INFORMATION: **DTW ONLY** _____

Total Well Depth: NM Feet Date: 3/ 5 /2020 Time: 1023

("NM" no measurement, manually measured on annual basis)

Depth to Water: 34.33 Feet (Manually taken at well __√__ Taken at Control Panel_____)

Height of Water
Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	See ART-2	---	---	---
_____	_____	_____mS/Cm	_____°C	_____

Field Ph=_____

Sample Appearance: _____

Sample Collection Time Started: Time Finished: _____

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

Bottles Labeled ART-2 3 5 20 as both wells are pumping

DUP EC reading **QC** _____

_____ **mS/cm**

_____**Temperature**

WATER SAMPLING FIELD LOG

Well No.: ART-3

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 3/5/2020

Sampling Method: √ Sample collected from Sample Port ◯ Hand bailed due to location of well

Weather Conditions: Sunny

WELL INFORMATION: **DTW ONLY** ✓

Total Well Depth: _____ Feet Date: 3/5/2020 Time: 1015

("NM" no measurement, manually measured on annual basis)

Depth to Water: 36.41 Feet (Manually taken at well ✓ Taken at Control Panel_____)

Height of Water Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1147	_____	_____mS/Cm	_____°C	_____

Field Ph=_____

Sample Appearance:

Sample Collection Time Started: Time Finished:

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: _____

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading **QC** _____

_____ **mS/cm**

_____**Temperature**

WATER SAMPLING FIELD LOG

Well No.: ART-3A

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 3/ 5 /2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: Sunny

WELL INFORMATION: **DTW ONLY** _____

Total Well Depth: NM Feet Date: 3/ 5 /2020 Time: 1017

("NM" no measurement, manually measured on annual basis)

Depth to Water: 52.36 Feet (Manually taken at well √ Taken at Control Panel_____)

Height of Water
Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1117	7.46	7.63 mS/Cm	24.6 °C	

Field Ph= 7.46

Sample Appearance: Clear

Sample Collection Time Started: 1117 Time Finished: 1120

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading **QC** _____

_____ **mS/cm**

_____**Temperature**

WATER SAMPLING FIELD LOG

Well No.: ART-4

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 3/ 5 /2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: Sunny

WELL INFORMATION: **DTW ONLY** ____

Total Well Depth: NM Feet Date: 3/ 5 /2020 Time: 1006

("NM" no measurement, manually measured on annual basis)

Depth to Water: 38.78 Feet (Manually taken at well _√_ Taken at Control Panel_____)

Height of Water Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1121	7.59	5.69 mS/Cm	24.2 °C	

Field Ph= 7.59

Sample Appearance: clear

Sample Collection Time Started: 1121 Time Finished: 1124

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading

5.72 **mS/cm**

24.1 **Temperature**

QC 7.01

WATER SAMPLING FIELD LOG

Well No.: ART-4A

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 3/ 5 /2020

Sampling Method: √ Sample collected from Sample Port ◯ Hand bailed due to location of well

Weather Conditions: Sunny

WELL INFORMATION: **DTW ONLY** __✓__

Total Well Depth: _____Feet Date: 3/ 5 /2020 Time: ~~3~~ 1013

("NM" no measurement, manually measured on annual basis)

Depth to Water: 34.17 Feet (Manually taken at well ✓ Taken at Control Panel_____)

Height of Water
Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
		mS/Cm	°C	

Field Ph=

Sample Appearance:

Sample Collection Time Started: Time Finished:

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: _____

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading

_____ mS/cm

_____Temperature

QC _____

WATER SAMPLING FIELD LOG

Well No.: ____ART-6_____

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 3/ 5 /2020_

Sampling Method: ◯ Sample collected from Sample Port **V** Hand bailed due to location of well

Weather Conditions: Sunny

WELL INFORMATION: **DTW ONLY** _____

Total Well Depth: _____NM_____Feet Date: _3/ 5 /2020__ Time: 0952

("NM" no measurement, manually measured on annual basis)

Depth to Water: 30.60 Feet (Manually taken at well _V___ Taken at Control Panel_____)

Height of Water
Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	---	---	---
1100	7.01	6.03 mS/Cm	25.2 °C	

Field Ph= 7.01

Sample Appearance: yellow

Sample Collection Time Started: 1100 Time Finished: 1103

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: __5____

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading **QC** _____

_____ **mS/cm**

_____**Temperature**

WATER SAMPLING FIELD LOG

Well No.: ART-7A

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 3/5/2020

Sampling Method: √ Sample collected from Sample Port ◯ Hand bailed due to location of well

Weather Conditions: Sunny

WELL INFORMATION: **DTW ONLY __✓__**

Total Well Depth: _____Feet Date: 3/5/2020 Time: 0948

("NM" no measurement, manually measured on annual basis)

Depth to Water: 30.50 Feet (Manually taken at well ____ Taken at Control Panel_____)

Height of Water
Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
		mS/Cm	°C	

Field Ph=_____

Sample Appearance:

Sample Collection Time Started: Time Finished:

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: _____

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading

_____ mS/cm

_____Temperature

QC _____

WATER SAMPLING FIELD LOG

Well No.: ART-7B

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 3/ 5 /2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: Sunny

WELL INFORMATION: **DTW ONLY** _____

Total Well Depth: NM Feet Date: 3/ 5 /2020 Time: 0947

("NM" no measurement, manually measured on annual basis)

Depth to Water: 44.07 Feet (Manually taken at well √ Taken at Control Panel_____)

Height of Water Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1125	7.58	7.06 mS/Cm	14.3 °C	

Field Ph= 7.58

Sample Appearance: Clear

Sample Collection Time Started: 1125 Time Finished: 1128

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading **QC** _____

_____ **mS/cm**

_____**Temperature**

WATER SAMPLING FIELD LOG

Well No.: ART-8

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 3/5/2020

Sampling Method: √ Sample collected from Sample Port ◯ Hand bailed due to location of well

Weather Conditions: Sunny

WELL INFORMATION: **DTW ONLY ✓**

Total Well Depth: _____Feet Date: 3/5/2020 Time: 1018

("NM" no measurement, manually measured on annual basis)

Depth to Water: 36.14 Feet (Manually taken at well ____ Taken at Control Panel_____)

Height of Water
Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
_____	_____	_____mS/Cm	_____°C	_____

Field Ph=_____

Sample Appearance:

Sample Collection Time Started: Time Finished:

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: _____

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading

_____ mS/cm

_____Temperature

QC _____

WATER SAMPLING FIELD LOG

Well No.: ART-8A

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 3/5/2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: Sunny

WELL INFORMATION: **DTW ONLY** _____

Total Well Depth: NM Feet Date: 3/5/2020 Time: 1019

("NM" no measurement, manually measured on annual basis)

Depth to Water: 44.45 Feet (Manually taken at well _√_ Taken at Control Panel_____)

Height of Water Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1129	7.38	9.33 mS/Cm	23.6 °C	

Field Ph=_____

Sample Appearance: Clear

Sample Collection Time Started: 1129 Time Finished: 1134

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

ART-8A 3 5 20-FD Collected here at same time for same analysis.

DUP EC reading

_____ mS/cm

_____Temperature

QC _____

9.42 mS/cm

24.8 °C 7.32 pH

WATER SAMPLING FIELD LOG

Well No.: ART-9

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 3/ 5 /2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: sunny

WELL INFORMATION: **DTW ONLY** ____

Total Well Depth: NM Feet Date: 3/ 5 /2020 Time: 0951

("NM" no measurement, manually measured on annual basis)

Depth to Water: 31.83 Feet (Manually taken at well __√__ Taken at Control Panel_____)

Height of Water
Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1135	7.62	6.08 mS/Cm	23.7 °C	

Field Ph= 7.62

Sample Appearance: clear

Sample Collection Time Started: 1135 Time Finished: 1141

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

ART-9 3 5 20 EB Collected here before moving to next well; for same analysis.

DUP EC reading QC _____

_____ mS/cm

_____Temperature

0.03 mS/cm
20.4°C 7.1 pH

WATER SAMPLING FIELD LOG

Well No.: PC-150

Project No.: _____

Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera

Date: 3/ 5 /2020

Sampling Method: √ Sample collected from Sample Port ○Hand bailed due to location of well

Weather Conditions: Sunny

WELL INFORMATION:

DTW ONLY ____

Total Well Depth: NM Feet Date: 3/5/2020 Time: 1005

("NM" no measurement, manually measured on annual basis)

Depth to Water: 41.07 Feet (Manually taken at well __√__ Taken at Control Panel_____)

Height of Water
Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1142	7.62	5.20 mS/Cm	25.7 °C	

Field Ph= 7.62

Sample Appearance: Clear

Sample Collection Time Started: 1142 Time Finished: 1150

Analyses: CLO4 | TDS/NO3 | CR | CLO3 | TDS/NO3/SO4/CL | CRVI

Bottles: 1btl | 1btl | 1btl | 1btl | 1btl | 1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading

_____ **mS/cm**

_____**Temperature**

QC _____

WATER SAMPLING FIELD LOG

Well No.: PC-99R2/R

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 3/ 4 /2019

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: Sunny

WELL INFORMATION: **DTW ONLY** ____

Total Well Depth: NM Feet Date: 3/ 4 /2019 Time: 1000

("NM" no measurement, manually measured on annual basis)

Depth to Water: 10.79 Feet (Manually taken at well ____ Taken at Control Panel √)

Height of Water Column (L) : _____ Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1100	7.46	3.59 mS/Cm	23.3 °C	

Field Ph= 7.46

Sample Appearance: Clear

Sample Collection Time Started: 1100 Time Finished: 1109

Analyses / Bottles:

CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

PC-99R2/R3 3 4 20FD Collected here at same time for same analysis 3.45 mS/cm 23.3 oc 7.45 pH

DUP EC reading QC _____

_____ mS/cm

_____Temperature

WATER SAMPLING FIELD LOG

Well No.: PC-115R

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 3/ 4 /2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: Sunny

WELL INFORMATION: **DTW ONLY** _____

Total Well Depth: NM Feet Date: 3/ 4 /2020 Time: 1023

("NM" no measurement, manually measured on annual basis)

Depth to Water: 10.61 Feet (Manually taken at well __√__ Taken at Control Panel_____)

Height of Water Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1110	7.53	2.86 mS/Cm	22.9 °C	

Field Ph= 7.53

Sample Appearance: Clear

Sample Collection Time Started: 1110 Time Finished: 1120

Analyses: CLO4 TDS/NO3 CR CLO3 TDS/NO3/SO4/CL CRVI

Bottles: 1btl 1btl 1btl 1btl 1btl 1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____. 1118

PC-115R 3 4 20 EB collected here before moving to next well; for same analysis 21.0 °C 8.45 pH

DUP EC reading QC _____

_____ mS/cm

_____Temperature

0.05 mS/cm

WATER SAMPLING FIELD LOG

Well No.: PC-116R

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 3/ 4 /2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: Sunny

WELL INFORMATION: **DTW ONLY** _____

Total Well Depth: NM Feet Date: 3/ 4 /2020 Time: 1020

("NM" no measurement, manually measured on annual basis)

Depth to Water: 13.26 Feet (Manually taken at well __√__ Taken at Control Panel_____)

Height of Water
Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1121	7.45	3.38 mS/Cm	23.1 °C	

Field Ph= 7.45

Sample Appearance: Clear

Sample Collection Time Started: 1121 Time Finished: 1125

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading
3.40 **mS/cm**
23.0 **Temperature**

QC 7.02

WATER SAMPLING FIELD LOG

Well No.: PC-117

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 3/ 4 /2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: Sunny

WELL INFORMATION: **DTW ONLY** ____

Total Well Depth: NM Feet Date: 3/ 4 /2020 Time: 1016

("NM" no measurement, manually measured on annual basis)

Depth to Water: 13.22 Feet (Manually taken at well __√__ Taken at Control Panel_____)

Height of Water
Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1126	7.48	2.97 mS/Cm	22.3 °C	

Field Ph= 7.48

Sample Appearance: clear

Sample Collection Time Started: 1126 Time Finished: 1129

Analyses: CLO4 | TDS/NO3 | CR | CLO3 | TDS/NO3/SO4/CL | CRVI

Bottles: 1btl | 1btl | 1btl | 1btl | 1btl | 1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading **QC** _____

_____ **mS/cm**

_____**Temperature**

WATER SAMPLING FIELD LOG

Well No.: PC-118

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 3/ 4 /2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: Sunny

WELL INFORMATION: **DTW ONLY** ____

Total Well Depth: NM Feet Date: 3/ 4 /2020 Time: 1027

("NM" no measurement, manually measured on annual basis)

Depth to Water: 6.41 Feet (Manually taken at well __√__ Taken at Control Panel_____)

Height of Water
Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1130	7.54	2.70 mS/Cm	22.2 °C	

Field Ph= 7.54

Sample Appearance: clear

Sample Collection Time Started: 1130 Time Finished: 1134

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading **QC** _____

_____ **mS/cm**

_____**Temperature**

WATER SAMPLING FIELD LOG

Well No.: PC-119

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 3/ 4 /2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: Sunny

WELL INFORMATION: **DTW ONLY** _____

Total Well Depth: NM Feet Date: 3/ 4 /2020 Time: 1030

("NM" no measurement, manually measured on annual basis)

Depth to Water: 5.12 Feet (Manually taken at well __√__ Taken at Control Panel_____)

Height of Water
Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1135	7.46	2.34 mS/Cm	21.7 °C	

Field Ph= 7.46

Sample Appearance: clear

Sample Collection Time Started: 1135 Time Finished: 1139

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading **QC** _____

_____ **mS/cm**

_____**Temperature**

WATER SAMPLING FIELD LOG

Well No.: PC-120

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 3/ 4 /2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: Sunny

WELL INFORMATION: **DTW ONLY** _____

Total Well Depth: NM Feet Date: 3/ 4 /2020 Time: 1034

("NM" no measurement, manually measured on annual basis)

Depth to Water: 3.98 Feet (Manually taken at well √ Taken at Control Panel_____)

Height of Water
Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1140	7.48	2.07 mS/Cm	21.4 °C	

Field Ph= 7.48

Sample Appearance: clear

Sample Collection Time Started: 1140 Time Finished: 1143

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading **QC** _____

_____ **mS/cm**

_____**Temperature**

WATER SAMPLING FIELD LOG

Well No.: PC-121

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 3/ 4 /2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: Sunny

WELL INFORMATION: **DTW ONLY** ____

Total Well Depth: NM Feet Date: 3/ 4 /2020 Time: 1036

("NM" no measurement, manually measured on annual basis)

Depth to Water: 3.39 Feet (Manually taken at well __√__ Taken at Control Panel_____)

Height of Water
Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1144	7.47	2.02 mS/Cm	21.7 °C	

Field Ph= 7.47

Sample Appearance: clear

Sample Collection Time Started: 1144 Time Finished: 1148

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading

_____ mS/cm

_____Temperature

QC _____

WATER SAMPLING FIELD LOG

Well No.: PC-133

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 3/ 4 /2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: Sunny

WELL INFORMATION: **DTW ONLY** ____

Total Well Depth: NM Feet Date: 3/ 4 /2020 Time: 1011

("NM" no measurement, manually measured on annual basis)

Depth to Water: 21.14 Feet (Manually taken at well __√__ Taken at Control Panel_____)

Height of Water Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1149	7.45	2.36 mS/Cm	21.6 °C	

Field Ph=_____

Sample Appearance: clear

Sample Collection Time Started: 1149 Time Finished: 1152

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading **QC** _____

_____ **mS/cm**

_____**Temperature**

WATER SAMPLING FIELD LOG

Well No.: E1-1

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 3/ 3 /2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: clear/windy

WELL INFORMATION: **DTW ONLY** ____

Total Well Depth: NM Feet Date: 3/ 3 /2020 Time: 1116

("NM" no measurement, manually measured on annual basis)

Depth to Water: 41.49 Feet (Manually taken at well __√__ Taken at Control Panel_____)

Height of Water
Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1117	7.12	5.18 mS/Cm	23.7 °C	

Field Ph= 7.12

Sample Appearance: Clear

Sample Collection Time Started: 1117 Time Finished: 1124

Analyses: CLO4 | TDS/NO3 | CR | CLO3 | TDS/NO3/SO4/CL | CRVI

Bottles: 1btl | 1btl | 1btl | 1btl | 1btl | 1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading

_____ **mS/cm**

_____**Temperature**

QC _____

WATER SAMPLING FIELD LOG

Well No.: E1-2

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 3/ 3 /2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: clear | windy

WELL INFORMATION: **DTW ONLY** _____

Total Well Depth: NM Feet Date: 3/ 3 /2020 Time: 1115

("NM" no measurement, manually measured on annual basis)

Depth to Water: 43.41 Feet (Manually taken at well __√__ Taken at Control Panel_____)

Height of Water
Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1125	7.06	7.20 mS/Cm	23.1 °C	

Field Ph= 7.06

Sample Appearance: clear

Sample Collection Time Started: 1125 Time Finished: 1133

Analyses / Bottles:

CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

E1-2 3 3 20 FD

DUP EC reading

_____ mS/cm

_____Temperature

QC _____

7.23 mS/cm

Collected here at same time for same analysis

23.0 °C 7.06 pH

WATER SAMPLING FIELD LOG

Well No.: E1-3

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 3/ 3 /2020

Sampling Method: V Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: clear | windy

WELL INFORMATION: **DTW ONLY** _____

Total Well Depth: NM Feet Date: 3/ 3 /2020 Time: 1114

("NM" no measurement, manually measured on annual basis)

Depth to Water: 41.35 Feet (Manually taken at well V Taken at Control Panel_____)

Height of Water Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1134	7.19	6.46 mS/Cm	22.9 °C	

Field Ph= 7.19

Sample Appearance: Clear

Sample Collection Time Started: 1134 Time Finished: 1140

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

E1-3 3 3 20EB collected here before moving to next well for same analysis.

DUP EC reading

_____ mS/cm

_____Temperature

QC _____

0.17 mS/cm 20.6 °C 7.58 pH

WATER SAMPLING FIELD LOG

Well No.: E2-1

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 3/ 3 /2020

Sampling Method: √ Sample collected from Sample Port ○Hand bailed due to location of well

Weather Conditions: clear | windy

WELL INFORMATION: **DTW ONLY** _____

Total Well Depth: NM Feet Date: 3/ 3 /2020 Time: 1142

("NM" no measurement, manually measured on annual basis)

Depth to Water: 42.70 Feet (Manually taken at well _√_ Taken at Control Panel_____)

Height of Water Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1151	7.21	4.46 mS/Cm	23.7 °C	

Field Ph= 7.21

Sample Appearance: Clear

Sample Collection Time Started: 1151 Time Finished: 1155

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading **QC** _____

_____ **mS/cm**

_____**Temperature**

WATER SAMPLING FIELD LOG

Well No.: E2-2

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 3/ 3 /2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: clear/windy

WELL INFORMATION: **DTW ONLY** _____

Total Well Depth: NM Feet Date: 3/ 3 /2020 Time: 1144

("NM" no measurement, manually measured on annual basis)

Depth to Water: 43.01 Feet (Manually taken at well __√__ Taken at Control Panel_____)

Height of Water
Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1156	7.30	4.62 mS/Cm	23.6 °C	

Field Ph= 7.30

Sample Appearance: clear

Sample Collection Time Started: 1156 Time Finished: 1159

Analyses: CLO4 | TDS/NO3 | CR | CLO3 | TDS/NO3/SO4/CL | CRVI
Bottles: 1btl | 1btl | 1btl | 1btl | 1btl | 1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading
4.64 mS/cm
23.6 **Temperature**

QC 7.01

WATER SAMPLING FIELD LOG

Well No.: E2-3

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 3/ 3 /2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: clear/windy

WELL INFORMATION: **DTW ONLY** _____

Total Well Depth: NM Feet Date: 3/ 3 /2020 Time: 1146

("NM" no measurement, manually measured on annual basis)

Depth to Water: 41.32 Feet (Manually taken at well __√__ Taken at Control Panel_____)

Height of Water
Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1200	7.27	5.39 mS/Cm	23.9 °C	

Field Ph= 7.27

Sample Appearance: clear

Sample Collection Time Started: 1200 Time Finished: 1204

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading

_____ **mS/cm**

_____**Temperature**

QC _____

WATER SAMPLING FIELD LOG

Well No.: E2-4

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 3/ 3 /2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: clear | windy

WELL INFORMATION: **DTW ONLY** _____

Total Well Depth: NM Feet Date: 3/ 3 /2020 Time: 1148

("NM" no measurement, manually measured on annual basis)

Depth to Water: 41.22 Feet (Manually taken at well _√_ Taken at Control Panel_____)

Height of Water
Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1205	7.35	6.15 mS/Cm	13.9 °C	

Field Ph= 7.35

Sample Appearance: Clear w/ floaties

Sample Collection Time Started: 1205 Time Finished: 1208

Analyses: CLO4 | TDS/NO3 | CR | CLO3 | TDS/NO3/SO4/CL | CRVI

Bottles: 1btl | 1btl | 1btl | 1btl | 1btl | 1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading

_____ **mS/cm**

_____**Temperature**

QC _____

WATER SAMPLING FIELD LOG

Well No.: E2-5

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 3/ 3 /2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: clear / windy

WELL INFORMATION: **DTW ONLY** _____

Total Well Depth: NM Feet Date: 3/ 3 /2020 Time: 1150

("NM" no measurement, manually measured on annual basis)

Depth to Water: 44.40 Feet (Manually taken at well __√__ Taken at Control Panel_____)

Height of Water
Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1209	6.96	6.82 mS/Cm	24.9 °C	

Field Ph= 6.96

Sample Appearance: clear

Sample Collection Time Started: 1209 Time Finished: 1212

Analyses: CLO4 | TDS/NO3 | CR | CLO3 | TDS/NO3/SO4/CL | CRVI

Bottles: 1btl | 1btl | 1btl | 1btl | 1btl | 1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading

_____ **mS/cm**

_____**Temperature**

QC _____

ENVIROGEN MONTHLY SAMPLING LOG SHEET

DATE	TIME	COMPANY	SIGNATURE	PRINT NAME
3·3·20	1044	ETI		Emily Eames
3·4·20	0930	ETI		Emily Eames
3·4·20	0930	ETI		Thomas McDaniels
3·5·20	0728	ETI		Thomas McDaniels
3·5·20	0728	ETI		Emily Eames
3·9·20	1047	ETI		Emily Eames
3·10·20	1000	ETI		Emily Eames
3·11·20	1055	ETI		Emily Eames

DAILY SAMPLING RIG INSPECTION SHEET

Date: 3/3/20 **Operator:** EE

TRUCK INSPECTION

Check Tires & Lug Nuts	✓
Check Steering Wheel	✓
Check Lights	✓
Check Horn	✓
Check Radiator Fluid	✓
Check Engine Oil	✓
Check Parking Brake	✓
Check Brakes and Brake Fluid	✓
Check Gauges	
Oil Light	✓
Battery Light	✓

Items not checked as ok:

Pre shift safety meeting:

PPE ✓

Dangers with wells being sampled today None

Hazards to be concerned with for wells being sampled today None

~~anel Rivera~~ Emily Esmes

DAILY SAMPLING RIG INSPECTION SHEET

Date: 3/4/20 **Operator:** Emily

TRUCK INSPECTION

Check Tires & Lug Nuts	✓
Check Steering Wheel	✓
Check Lights	✓
Check Horn	✓
Check Radiator Fluid	✓
Check Engine Oil	✓
Check Parking Brake	✓
Check Brakes and Brake Fluid	✓
Check Gauges	
Oil Light	✓
Battery Light	

Items not checked as ok:

Pre shift safety meeting:

PPE ✓

Dangers with wells being sampled today ✓

Hazards to be concerned with for wells being sampled today ✓

nel Rivera Emily Eames

DAILY SAMPLING RIG INSPECTION SHEET

Date: 3/5/20 **Operator:** Emily

TRUCK INSPECTION

Check Tires & Lug Nuts	✓
Check Steering Wheel	✓
Check Lights	✓
Check Horn	✓
Check Radiator Fluid	✓
Check Engine Oil	✓
Check Parking Brake	✓
Check Brakes and Brake Fluid	✓
Check Gauges	
Oil Light	✓
Battery Light	✓

Items not checked as ok:

Pre shift safety meeting:

PPE ✓

Dangers with wells being sampled today Vaults

Hazards to be concerned with for wells being sampled today Vaults

~~Daniel Rivera~~ Emily Eames

DAILY SAMPLING RIG INSPECTION SHEET

Date: 3/9/20 **Operator:** Emily

TRUCK INSPECTION

Check Tires & Lug Nuts	✓
Check Steering Wheel	✓
Check Lights	✓
Check Horn	✓
Check Radiator Fluid	✓
Check Engine Oil	✓
Check Parking Brake	✓
Check Brakes and Brake Fluid	✓
Check Gauges	
Oil Light	✓
Battery Light	✓

Items not checked as ok:

Pre shift safety meeting:

PPE ✓

Dangers with wells being sampled today None

Hazards to be concerned with for wells being sampled today None

anel Rivera

Emily Eames

DAILY SAMPLING RIG INSPECTION SHEET

Date: 3/10/20 **Operator:** EE

TRUCK INSPECTION

Check Tires & Lug Nuts	✓
Check Steering Wheel	✓
Check Lights	✓
Check Horn	✓
Check Radiator Fluid	✓
Check Engine Oil	✓
Check Parking Brake	✓
Check Brakes and Brake Fluid	✓
Check Gauges	
Oil Light	✓
Battery Light	✓

Items not checked as ok:

Pre shift safety meeting:

PPE ✓

Dangers with wells being sampled today None

Hazards to be concerned with for wells being sampled today None

Emily Esmay

anel Rivera

DAILY SAMPLING RIG INSPECTION SHEET

Date: 3/11/20 **Operator:** EE

TRUCK INSPECTION

Check Tires & Lug Nuts	✓
Check Steering Wheel	✓
Check Lights	✓
Check Horn	✓
Check Radiator Fluid	✓
Check Engine Oil	✓
Check Parking Brake	✓
Check Brakes and Brake Fluid	✓
Check Gauges	
Oil Light	✓
Battery Light	✓

Items not checked as ok:

Pre shift safety meeting:

PPE ✓

Dangers with wells being sampled today ✓

Hazards to be concerned with for wells being sampled today ✓

Emily Eames

~~Daniel Rivera~~

ENVIROGEN

TWD Meter Heron Instruments Dipper-T
Well Depth Indicator probe Serial No: WD0790
DTW Meter Geotech Water Level Meter
Serial No: 6329

DAILY MAINTENANCE AND CALIBRATION RECORD

Date: 3/3/20

HANNA FIELD EC METER

		Time/Analyst
Known Value	1) 1288	1055 / EE
Temp. Comp. Value	2) 25.0	
Calibration Value	3) 1288	
Standard Temp	4) 24.7	

Changed Buffers
Yes ✓ please check

HANNA FIELD pH METER

			Time/Analyst
Known Value	1) 7.0	1) 8.0	1053 / EE
Calibration Value	2) 7.01	2) 7.98	
Buffer Temperature	3) 25.1	3) 25.2	

Changed Buffers
Yes ✓ please check

Duplicate EC reading Well# _____

1st Reading
EC 4.62 Temp 23.6

2nd Reading
EC 4.64 Temp 23.6

CLOSING QC: 7.01

EVERY 8 SAMPLES: 7.01

DATE: 3/3/20

VERIFIED: EE

ENVIROGEN

TWD Meter Heron Instruments Dipper-T
Well Depth Indicator probe Serial No: WD0790
DTW Meter Geotech Water Level Meter
Serial No: 6329

DAILY MAINTENANCE AND CALIBRATION RECORD

Date: 3/4/20

HANNA FIELD EC METER

		Time/Analyst
Known Value	1) 1288	0937 | GG
Temp. Comp. Value	2) 25.0	
Calibration Value	3) 1280	
Standard Temp	4) 24.0	
Changed Buffers Yes ✓ please check		

HANNA FIELD pH METER

			Time/Analyst
Known Value	1) 7.0	1) 8.0	0933 | GG
Calibration Value	2) 7.01	2) 8.0	
Buffer Temperature	3) 25.0	3) 25.9	
Changed Buffers Yes ✓ please check			

Duplicate EC reading Well# PC116R

1st Reading
EC 3.36 Temp 23.1

2nd Reading
EC 3.40 Temp 23.0

CLOSING QC

7.00

EVERY 8 SAMPLES

7.02

DATE: 3/4/20

VERIFIED

ENVIROGEN

TWD Meter Heron Instruments Dipper-T
Well Depth Indicator probe Serial No: WD0790
DTW Meter Geotech Water Level Meter
Serial No: 6329

DAILY MAINTENANCE AND CALIBRATION RECORD

Date: 3/5/20

HANNA FIELD EC METER

			Time/Analyst
Known Value	1) 1288		
Temp. Comp. Value	2) 25		0835 | EE
Calibration Value	3) 1276		
Standard Temp	4) 24.6		
Changed Buffers	Yes ✓ please check		

HANNA FIELD pH METER

			Time/Analyst
Known Value	1) 7.0	1) 8.0	
Calibration Value	2) 7.01	2) 7.99	0830 | EE
Buffer Temperature	3) 24.9	3) 25.5	
Changed Buffers	Yes ✓ please check		

Duplicate EC reading Well# ART-4

1st Reading EC 569 Temp 24.2

2nd Reading EC 572 Temp 24.1

CLOSING QC

7:00 | 7.01 |

DATE: 3/5/20 VERIFIED

ENVIROGEN

TWD Meter Heron Instruments Dipper-T
Well Depth Indicator probe Serial No: WD0790
DTW Meter Geotech Water Level Meter
Serial No: 6329

DAILY MAINTENANCE AND CALIBRATION RECORD

Date: 3/9/20

HANNA FIELD EC METER

		Time/Analyst
Known Value	1) 1288	1055 / EE
Temp. Comp. Value	2) 25.0	
Calibration Value	3) 1288	
Standard Temp	4) 24.9	
Changed Buffers	Yes ✓ please check	

HANNA FIELD pH METER

			Time/Analyst
Known Value	1) 7.0	1) 8.0	1050 / EE
Calibration Value	2) 7.01	2) 8.02	
Buffer Temperature	3) 24.6	3) 25.1	
Changed Buffers	Yes ✓ please check		

Duplicate EC reading Well# I-J

1st Reading
EC ~~7.26~~ 6.00 Temp 23.1

2nd Reading
EC 6.01 Temp 23.1

CLOSING QC

7.01

EVERY 8 SAMPLES

7.02

DATE: 3/10/20

VERIFIED

ENVIROGEN

TWD Meter Heron Instruments Dipper-T
Well Depth Indicator probe Serial No: WD0790
DTW Meter Geotech Water Level Meter
Serial No: 6329

DAILY MAINTENANCE AND CALIBRATION RECORD

Date: 3|10|20

HANNA FIELD EC METER

			Time/Analyst
Known Value	1) 1288		
Temp. Comp. Value	2) 25.0		1030/EE
Calibration Value	3) 1286		
Standard Temp	4) 24.4		
Changed Buffers		Yes ✓ please check	

HANNA FIELD pH METER

			Time/Analyst
Known Value	1) 7.0	1) 8.0	
Calibration Value	2) 7.01	2) 8.0	1039 EE
Buffer Temperature	3) 24.9	3) 25.0	
Changed Buffers		Yes ✓ please check	

Duplicate EC reading Well# I-L & I-N

1st Reading
EC 6.09 Temp 19.3
EC 7.94 temp 19.6

2nd Reading
EC 6.11 Temp 19.3
EC 7.90 temp 19.7

CLOSING QC

7.00

EVERY 8 SAMPLES

6.98 7.00

DATE: 3|10|20

VERIFIED

ENVIROGEN

TWD Meter Heron Instruments Dipper-T
Well Depth Indicator probe Serial No: WD0790
DTW Meter Geotech Water Level Meter
Serial No: 6329

DAILY MAINTENANCE AND CALIBRATION RECORD

Date: 3/11/20

HANNA FIELD EC METER

		Time/Analyst
Known Value	1) 1288	1100 / EE
Temp. Comp. Value	2) 25.0	
Calibration Value	3) 1287	
Standard Temp	4) 25.0	
Changed Buffers Yes ✓ please check		

HANNA FIELD pH METER

			Time/Analyst
Known Value	1) 7.0	1) 8.0	1105 / EE
Calibration Value	2) 7.01	2) 8.00	
Buffer Temperature	3) 24.9	3) 25.0	
Changed Buffers Yes ✓ please check			

Duplicate EC reading Well# H

1st Reading
EC 10.16 Temp 22.0

2nd Reading
EC 10.20 Temp 22.0

CLOSING QC
7.03

EVERY 8 SAMPLES
8.99

DATE: 3/11/20

VERIFIED EE

TETRA TECH

TECHNICAL MEMORANDUM

To:	**Chris Ritchie and Chris Stubbs, Ramboll**
Cc:	Steve Clough, Nevada Environmental Response Trust Matthew Edelstein, Craig Knox, Emeryville Lab Data, Ramboll David Bohmann, Tetra Tech
From:	Jesse Bunkers and James Roman
Date:	April 20, 2020
Subject:	**March 2020 Monthly Las Vegas Wash Surface Water Sampling** **Nevada Environmental Response Trust Site** **Henderson, NV**

MONTHLY SURFACE WATER SAMPLING ACTIVITIES

At the direction of the Nevada Environmental Response Trust (NERT or Trust), Tetra Tech, Inc. (Tetra Tech) has prepared this summary for the March 2020 Las Vegas Wash Surface Water Sampling event for the NERT Site.

The ten sample locations described in the *Surface Water Sampling and Analysis Plan, Revision 3 (SAP), Las Vegas Wash* (Tetra Tech, October 2018) are shown on Figure 1. Tetra Tech collected 30 independent samples from ten sample locations within the Las Vegas Wash (the Wash) and a channel flowing into the Wash (C-1 Channel) from March 5 to 6, 2020. For samples from the Wash, each location was accessed either by wading into the Wash or by float tube. At each sample location, Tetra Tech measured the total depth of the Wash, recorded the water quality field parameters, and collected a sample. All samples were collected at the approximate mid-water depth using the discrete hand-grab sample technique described in the SAP. For samples from the C-1 Channel, the channel width, depth of water, and flow were measured and documented in the surface water sampling logs. The diameters of the C-1 Channel #1-W and #1-E were measured to be 2 feet.

Samples were stored in coolers at 4°C and transferred under chain-of-custody documentation to Eurofins Calscience Laboratory (ECL) in Irvine, California on the last day of sampling. All samples were analyzed for perchlorate, chlorate and total dissolved solids using EPA Methods 314.0, 300.1, and SM 2540C, respectively. The ECL laboratory reports are available for Ramboll via ECL's Total Access website.

Deviations from the Wash surface water sampling program encountered during the March 2020 sampling event include:

- Field personnel were not able to sample the designated location for LVW6.6-3 due to the presence of a sandbar at the sample location. The sandbar extended above the water surface; therefore, no surface water was present at the sample location. The sample was collected as close as possible to the original

Tetra Tech, Inc.
150 S. 4th Street, Unit A, Henderson, NV 89015
Tel 702-854-2295 tetratech.com

sample location. The sample location was recorded with a handheld GPS and the sample was collected at the coordinates 36.089462° N, 114.993152° W.

- There was no flow at location C-12 Channel #2; accordingly, a sample was not collected.

Surface water sampling logs are provided in Attachment A. Field investigation daily logs and calibration logs are included in Attachments B and C, respectively. The electronic data deliverable (EDD) with the recorded sample depths and field parameters will be transmitted in a separate Excel file.

CERTIFICATION

I hereby certify that I am responsible for the services described in this document and for the preparation of this document. The services described in this document have been prepared in a manner consistent with the current standards of the profession, and to the best of my knowledge, comply with all applicable federal, state, and local statutes, regulations, and ordinances. I hereby certify that all laboratory analytical data was generated by a laboratory certified by the NDEP for each constituent and media presented herein.

Description of Services Provided: Prepared March 2020 monthly Las Vegas Wash surface water sampling summary.

4/20/2020

Kyle Hansen, CEM
Field Operations Manager/Geologist
Tetra Tech, Inc.

Date

Nevada CEM Certificate Number: 2167
Nevada CEM Expiration Date: September 18, 2020

Figure

\\TTS134FS1\SUP-GIS\ARCPRJ2\INERT\MXD\SAMPLE_LOCATION_M15_MONTHLY_032018.MXD

Legend

- Monthly Sample Locations

TETRA TECH
www.tetratech.com
150 S. 4th Street, Unit A
Henderson, Nevada 89015
PHONE: (702) 854-2293

NEVADA ENVIRONMENTAL RESPONSE TRUST

LAS VEGAS WASH MONTHLY SAMPLING
HENDERSON, NEVADA

LAS VEGAS WASH SAMPLE POINT LOCATIONS

Project No.:	117-7502018
Date:	SEPTEMBER 17, 2018
Designed By:	ES
Figure No.	1

Attachment A
Surface Water Sampling Logs

TETRA TECH

SURFACE WATER SAMPLING LOG

NERT, Henderson, NV

Task Name: LVW Surface Water Sampling	Task Manager: Jesse Bunkers	Task No: M15	Date: 3/5/20
Field Samplers: P. Groff, B. Clune	Sampling Method: Dipper Bottle	Equipment Decon. Method: DI Rinse	

Time	Location ID	Depth of Water (ft)	Depth of Sample (ft)	Temp. (°C)	pH (pH Units)	Conductivity (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Color	Odor
0745	LVW0.55-1.7-20200305	3.4	1.7	17.9	8.12	2.083	9.19	123.3	2.5	clear	none
0830	LVW3.5-1	1.4	0.7	17.4	~~8.12~~ 8.04	2.076	8.82	128.2	0.97	"	"
0830	LVW3.5-2	1.6	0.8	17.6	8.02	2.063	8.85	130.7	0.75	"	"
0830	LVW3.5-3	3.0	1.5	17.8	8.01	2.061	8.87	135.3	6.29	"	"
0830	LVW3.5-4	3.4	1.7	17.7	8.00	2.063	8.86	133.9	1.21	"	"
0830	LVW3.5-5	3.6	1.8	17.7	8.02	2.066	8.88	139.8	0.13	"	"
0830	LVW3.5-6	3.0	1.5	18.0	8.01	2.058	8.73	142.1	0.99	"	"
0930	LVW4.2-1	2.4	1.2	19.0	7.89	2.096	8.29	133.4	6.00	"	"
0930	LVW4.2-2	4.0	2.0	19.1	7.94	2.100	8.47	138.2	0.18	"	"
0930	LVW4.2-3	5.6	2.8	19.4	8.02	2.076	8.79	146.2	0.48	"	"
0930	LVW4.2-4	3.0	1.5	19.4	8.00	2.051	8.59	135.5	0.66	"	"
1130	LVW4.75-1	2.2	1.1	21.1	8.13	2.134	8.68	150.3	1.96	"	"
1130	LVW4.75-2	1.8	0.9	20.9	8.10	2.129	8.75	156.0	0.08	"	"
1130	LVW4.75-3	1.6	0.8	20.8	8.16	2.102	8.90	163.6	1.23	"	"
1130	LVW4.75-4	2.0	1.0	20.7	8.11	2.097	8.91	168.0	1.01	"	"
1130	LVW4.75-5	1.4	0.7	20.7	8.16	2.090	8.98	165.7	0.71	"	"

QA/QC Samples/ID: LVW0.55-1.7-20200305-FD	QA/QC Samples/ID:	QA/QC Samples/ID:
QA/QC Sample Time: 0745	QA/QC Sample Time:	QA/QC Sample Time:

C1-E	Flow (L/s):	C1-W	Flow (L/s):	C-12	Flow (L/s):
	Width (ft): ____ Depth (ft): ____		Width (ft): ____ Depth (ft): ____		Width (ft): ____ Depth (ft): ____

Observations/Comments:

TETRA TECH

SURFACE WATER SAMPLING LOG

NERT, Henderson, NV

Task Name: LVW Surface Water Sampling	Task Manager: Jesse Bunkers	Task No: M15	Date: 3/5/20 & 3/6/20
Field Samplers: P. Groff, B. Chhun	Sampling Method: Dipper Bottle	Equipment Decon. Method: DI Rinse	

Time	Location ID	Depth of Water (ft)	Depth of Sample (ft)	Temp. (°C)	pH (pH Units)	Conductivity (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Color	Odor
1215	LVW 5.3-1	6.0	3.0	22.3	8.23	2.142	8.57	160.7	-0.78	clear	none
1215	LVW 5.3-2	1.6	0.8	22.4	8.21	2.126	8.78	163.4	-0.04	"	"
1215	LVW 5.3-3	1.0	0.5	22.3	8.20	2.120	8.79	168.0	-0.22	"	"
1215	LVW 5.3-4	1.8	0.6	23.1	8.20	2.112	9.17	172.4	0.55	"	"
1215	LVW 5.3-5	1.8	0.6	22.6	8.16	2.108	8.84	174.2	1.69	"	"
1215	LVW 5.3-6	2.6	1.3	21.4	8.18	2.122	9.14	173.0	2.85	"	"
1300	C1-E	0.0	0.0	23.7	7.88	4.327	8.30	178.4	-2.18	"	"
1315	C1-W	0.0	0.0	22.9	7.86	4.328	8.30	183.3	2.31	"	"
3/6 0746	LVW 6.05	1.0	0.5	17.9	7.85	2.263	8.20	110.0	-0.39	"	"
0815	LVW 6.6-1	~~2.6~~ BG 2.2	~~1.3~~ BG 1.1	18.0	7.89	2.335	8.10	123.3	0.77	"	"
0815	LVW 6.6-2	2.6	1.3	18.3	7.97	1.970	8.46	121.0	0.24	"	"
0815	LVW 6.6-3	1.0	0.5	17.2	7.94	1.984	8.33	125.6	2.13	"	"
0845	LVW 7.2	1.4	0.7	20.2	8.07	1.999	9.75	136.3	1.29	"	"
0930	LVW 8.85	1.0	0.5	22.1	7.61	1.773	8.68	152.0	-2.05	"	"

QA/QC Samples/ID: LVW 6.05-FD	QA/QC Samples/ID: LVW6.05-FB	QA/QC Samples/ID: LVW 7.2-FD
QA/QC Sample Time: 0745	QA/QC Sample Time: 0800	QA/QC Sample Time: 845

C1-E	Flow (L/s): 1 L/S	C1-W	Flow (L/s): 3.17 L/s	C-12	Flow (L/s): NO FLOW
	Width (ft): 0.48 Depth (ft): 0.042		Width (ft): 0.77 Depth (ft): 0.083		Width (ft): — Depth (ft): —

Observations/Comments: 3/6/20 LVW8.85-FB @ 945

Attachment B
Field Investigation Daily Logs

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: LVW Surface Water Sampling	Task Manager: Jesse Bunkers	Date: 3/5/20
Field Personnel: PGROFF, BCHHUN		Task No: M15
Location: Las Vegas Wash		Reported by: BChhun

Weather Conditions: SUNNY

Total Vehicle Mileage: 30

Task Visitors / Subcontractors: N/A

Matters of Safety:

WATER SAFETY

Problems / Concerns and Corrective Actions Taken:

None

Time	Activities
0700	Tailgate Safety meeting / mob to site
~~0745~~	Sample LVW 0.55
0830	Sample LVW 3.5 (1 thru 6)
0930	Sample LVW 4.2 (1 thru 4)
1130	Sample LVW 4.75 (1 thru 5)
1215	Sample LVW 6.3 (1 thru 6)
1300	sample C1-E 1) 5 sec - 5L 2) 5 sec - 5L 3) 5 sec - 5L } Avg = 5L/5S = 1 L/sec
1315	Sample C1-W 1) 5 sec - 16L 2) 5 sec - 15.5L 3) 5 sec - 16L } Avg = 15.83 L/5S = 3.17 L/sec
1330	C12 - NO FLOW
1400	Back at office BC

☑ LVW8.85: 36.107231, -115.019994 (3/6/20)	☑ LVW5.3-6: 36.090660, -114.973903	☑ LVW4.2-2: 36.094817, -114.954612
☑ LVW7.2: 36.090604, -115.000302 (3/6/20)	☑ C1-E: 36.086147, -114.972022	☑ LVW4.2-3: 36.094978, -114.954716
☑ LVW6.6-1: 36.089145, -114.993282 (3/6/20)	☑ C1-W: 36.086147, -114.972022	☑ LVW4.2-4: 36.095108, -114.954806
☑ LVW6.6-2: 36.089351, -114.993309 (3/6/20)	☑ C12: 36.086125, -114.970255	☑ LVW3.5-1: 36.100422, -114.943298
☑ LVW6.6-3: 36.089485, -114.993333 (3/6/20)	☑ LVW4.75-1: 36.092979, -114.961810	☑ LVW3.5-2: 36.100459, -114.943329
☑ LVW6.05: 36.087849, -114.985682 (3/6/20)	☑ LVW4.75-2: 36.093130, -114.961928	☑ LVW3.5-3: 36.100548, -114.943390
☑ LVW5.3-1: 36.089867, -114.973112	☑ LVW4.75-3: 36.093277, -114.962051	☑ LVW3.5-4: 36.100585, -114.943405
☑ LVW5.3-2: 36.090072, -114.973322	☑ LVW4.75-4: 36.093431, -114.962174	☑ LVW3.5-5: 36.100606, -114.943451
☑ LVW5.3-3: 36.090218, -114.973467	☑ LVW4.75-5: 36.093580, -114.962301	☑ LVW3.5-6: 36.100645, -114.943493
☑ LVW5.3-4: 36.090367, -114.973612	☑ LVW4.2-1: 36.094695, -114.954570	☑ LVW0.55: 36.122158, -114.904631
☑ LVW5.3-5: 36.090513, -114.973758		

Prepared by: B.Chhun Signature: Date: 3/6/20

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: LVW Surface Water Sampling	Task Manager: Jesse Bunkers	Date: 3/6/20
Field Personnel: P.groff, B.Chhun		Task No: M15
Location: Las Vegas Wash		Reported by: B.Chhun

Weather Conditions: 50F, sunny

Total Vehicle Mileage: 30

Task Visitors / Subcontractors: N/A

Matters of Safety: walking to sample points

Problems / Concerns and Corrective Actions Taken:
None

Time	Activities
0700	Tailgate safety meeting
0745	Collect LVW6.05 & LUW6.05-FD
0800	Collected LVW6.05-FB
0815	Collect LVW6.6 (1st time 3)
	Modified LVW6.6-3 due to sandbar to same location as February 2020 event (36.089462°N, 114.993152°W)
0845	Collect LVW 7.2 + LVW7.2-D
0930	Collect LVW 8.85
0945	Collect LVW 8.85-FB
1010	Offsite - complete sampling
1200	Hand off samples to laboratory courier and scan field forms; Done for day

BL

☑ LVW8.85: 36.107231, -115.019994	☐ LVW5.3-6: 36.090660, -114.973903	☐ LVW4.2-2: 36.094817, -114.954612
☑ LVW7.2: 36.090604, -115.000302	☐ C1-E: 36.086147, -114.972022	☐ LVW4.2-3: 36.094978, -114.954716
☑ LVW6.6-1: 36.089145, -114.993282	☐ C1-W: 36.086147, -114.972022	☐ LVW4.2-4: 36.095108, -114.954806
☑ LVW6.6-2: 36.089351, -114.993309	☐ C12: 36.086125, -114.970255	☐ LVW3.5-1: 36.100422, -114.943298
☑ LVW6.6-3: 36.089485, -114.993333 Modified	☐ LVW4.75-1: 36.092979, -114.961810	☐ LVW3.5-2: 36.100459, -114.943329
☑ LVW6.05: 36.087849, -114.985682	☐ LVW4.75-2: 36.093130, -114.961928	☐ LVW3.5-3: 36.100548, -114.943390
☐ LVW5.3-1: 36.089867, -114.973112	☐ LVW4.75-3: 36.093277, -114.962051	☐ LVW3.5-4: 36.100585, -114.943405
☐ LVW5.3-2: 36.090072, -114.973322	☐ LVW4.75-4: 36.093431, -114.962174	☐ LVW3.5-5: 36.100606, -114.943451
☐ LVW5.3-3: 36.090218, -114.973467	☐ LVW4.75-5: 36.093580, -114.962301	☐ LVW3.5-6: 36.100645, -114.943493
☐ LVW5.3-4: 36.090367, -114.973612	☐ LVW4.2-1: 36.094695, -114.954570	☐ LVW0.55: 36.122158, -114.904631
☐ LVW5.3-5: 36.090513, -114.973758		

Prepared by: B.Chhun Signature: [signature] Date: 3/6/20

Attachment C
Calibration Logs

EQUIPCO
Rentals Sales Service

YSI ProDSS RENTAL
CALIBRATION CERTIFICATE

SERVICE TECHNICIAN: T.L. DATE: 28FEB2024

RENTAL CUSTOMER: TETRA TECH

INSTRUMENT INFORMATION

RENTAL I.D. NUMBER: YSIPRODSS. 39

SERIAL NUMBER: 19J100050

CALIBRATION INFORMATION

PARAMETER:	STANDARD:	PASS	LOT #
1. CONDUCTIVITY	1,000 µMhos	✓	039924
2. pH ZERO	pH 7	✓	031274
pH SLOPE	pH 4	✓	031273
pH SLOPE	pH 10	✓	57332
3. DISSOLVED OXYGEN	Air Calibration Barometric pressure = 760mmHg	✓	N/A
DISSOLVED OXYGEN ZERO TEST	(Sodium Sulfite)	—	N/A
4. TURBIDITY ZERO	0.0 NTU's	✓	28FEB2024
TURBIDITY SPAN	100 NTU's	✓	28FEB2024
5. REDOX (ORP)	231mV (YSI Zobell solution)	✓	022124

2100 Meridian Park Blvd, Concord, CA 94520 Phone (888) 234-5678 Fax (925) 305-1301

TETRA TECH

CALIBRATION LOG - WATER QUALITY METER

NERT, Henderson, NV

Task Name: LVW Surface Water Sampling	Task No.: M15	Rental from: EQUIPCO	Task Manager: Jesse Bunkers
Field Personnel: P. Groff, B. Chhun		Serial Number: YSI PRO DSS .39	Type: YSI ProDSS

			Pre-Calibration							Post-Calibration						
Date	Time	Temp (°C)	pH (pH = 4.0)	pH (pH = 7.0)	pH (pH = 10.0)	ORP (mV)	Cond. (mS/cm)	DO (%)	Turbidity (NTU)	pH (pH = 4.0)	pH (pH = 7.0)	pH (pH = 10.0)	ORP (mV)	Cond. (mS/cm)	DO (%)	Turbidity (NTU)
3/5/20	1605	21.8	4.09	7.02	9.97	241.2	0.991	94.3	0.2	4.00	7.00	10.01	237.0	1.002	99.1	0.0

Notes:

TETRA TECH

TECHNICAL MEMORANDUM

To:	**Chris Ritchie, Ramboll**
Cc:	Steve Clough, Nevada Environmental Response Trust Annika Deurlington, Jesse King, Emeryville Lab Data, Ramboll David Bohmann, Tetra Tech
From:	Jesse Bunkers and James Roman
Date:	May 20, 2020
Subject:	**April 2020 Monthly Groundwater Monitoring Summary** **Nevada Environmental Response Trust Site** **Henderson, NV**

MONTHLY DEPTH TO WATER MEASUREMENTS

At the direction of the Nevada Environmental Response Trust (NERT or Trust), Tetra Tech, Inc. (Tetra Tech) has prepared this summary for the April 2020 monthly depth-to-water measurement event. This activity was performed in accordance with Ramboll's update to the *Remedial Performance Groundwater Sampling and Analysis Plan*, dated March 4, 2020 and approved by Nevada Division of Environmental Protection (NDEP) on March 16, 2020, and *Field Guidance Document No. 008 – Groundwater and Free Product Level Measurements*, dated March 24, 2017.

The depth to water was measured at 24 monitoring wells on April 1, 2020. The well locations are identified on Figure 1. No deviations from the groundwater monitoring program were encountered. All wells were observed to be in good condition.

The field water level measurement log is included in Attachment A. The electronic data deliverable (EDD), with the recorded depth to water data, will be transmitted separately as an Excel file.

Tetra Tech, Inc.
150 S. 4th Street, Unit A, Henderson, NV 89015
Tel 702-854-2295 tetratech.com

CERTIFICATION

I hereby certify that I am responsible for the services described in this document and for the preparation of this document. The services described in this document have been prepared in a manner consistent with the current standards of the profession, and to the best of my knowledge, comply with all applicable federal, state, and local statutes, regulations, and ordinances. I hereby certify that all laboratory analytical data was generated by a laboratory certified by the NDEP for each constituent and media presented herein.

Description of Services Provided: April 2020 Monthly Groundwater Monitoring Summary.

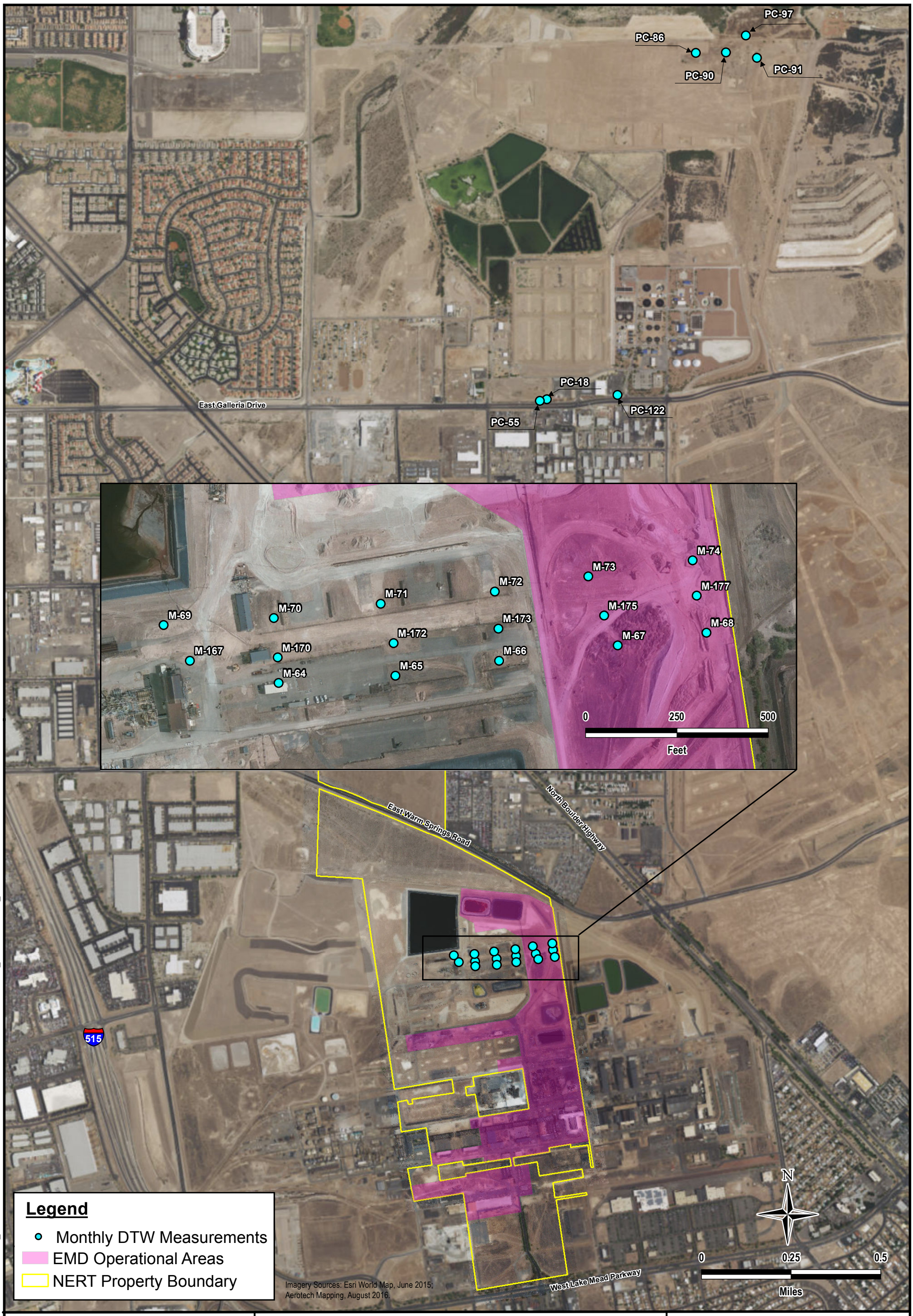
5/20/2020

Kyle Hansen, CEM
Field Operations Manager/Geologist
Tetra Tech, Inc.

Date

Nevada CEM Certificate Number: 2167
Nevada CEM Expiration Date: September 18, 2020

Figure



\\TTS134FS1\SUP-PROJECTS\BLD01\520225_NERT\GW MONITORING\FIELD MAPS\MONTHLY DTW MAPS\FIG01_MONTHLYWLM_ES.MXD

TETRA TECH
www.tetratech.com

150 S. 4th Street, Unit A
Henderson, Nevada 89015
Phone: (702) 854-2293

NEVADA ENVIRONMENTAL RESPONSE TRUST

GROUNDWATER MONITORING PROGRAM
HENDERSON, NEVADA

MONTHLY WATER LEVEL MEASUREMENT WELLS

Project No.:	117-7502017
Date:	SEPTEMBER 20, 2017
Designed By:	ES

Figure No.
1

Attachment A
Field Water Level Measurement Log

TETRA TECH

WELL WATER LEVEL MEASUREMENT LOG

Task Name: GW Monitoring	Task No: H02	Date: 4/1/2020
Task Manager: Jesse Bunkers	Location: Site Wide	
Equipment Model/Type: Solinst Water Level Meter	*Serial Number:* 321672	*Recorded by:* K. Hansen

Time	Well ID	Measuring Point	Depth to Static Water Level (ft BMP)	Condition of Well and Well Seal	Dedicated Tubing (Y/N)
1033	M-73	TOC	30.16	Good	Y
1036	M-175	TOC	20.37	Good	Y/N
1028	M-67	TOC	21.13	Good	Y
1050	M-74	TOC	27.78	Good	Y
1045	M-177	TOC	21.21	Good	N
1040	M-68	TOC	25.82	Good	Y
1225	M-167	TOC	27.21	Good	Y/N
1219	M-69	TOC	32.26	Good	Y
1214	M-70	TOC	31.84	Good	Y
1210	M-170	TOC	25.67	Good	Y/N
1205	M-64	TOC	26.58	Good	Y
1155	M-65	TOC	28.98	Good	Y
1200	M-172	TOC	27.26	Good	Y/N
1150	M-71	TOC	34.81	Good	Y
1135	M-66	TOC	29.23	Good	Y
1140	M-173	TOC	26.18	Good	Y/N
1145	M-72	TOC	31.24	good	Y
0753	PC-91	TOC	8.90	Good	Y
0804	PC-97	TOC	3.30	good	Y
0813	PC-90	TOC	4.08	good	Y
0824	PC-86	TOC	10.76	good	Y
0945	PC-122	TOC	31.92	good	Y
0951	PC-18	TOC	34.10	Bolt holes are rusted out	Y
1001	PC-55	TOC	32.79	good	Y

BMP = Below Measuring Point TOC = Top of Casing (Well Riser)

April 2020 Sampling Event

DTW readings taken manually on all Interceptor Wells, SWF, AWF and AP5 Wells

Issues/Concerns

IWF, SWF, AWF, AP5 Wells	DTW taken with Geotech Water Level Meter Serial #7053.
PC99R2/R3	When taking DTW readings, PC-99R2 was feeding into PC-99R3 so quickly that splash was preventing us from obtaining an accurate DTW reading. Unable to remove transducer from well or pass with TWD probe. Recorded DTW readings from Control Panel
AP5 Wells	Sampled by ETI APR072020. Will be done on a Monthly basis by ETI.
*ART-2, ARY-3A, ART-6	*All have more than 1-foot difference in DTW from 3/2020 to 4/2020. Data recorded on field sheet
*ART-7A, ART-7B, ART-8A, PC-150	
*I-AA, I-AD, I-B, I-E, I-G, I-H, I-I, I-K, I-L	
*I-L, I-M, I-O, I-S, I-T, I-U, I-W, I-X, I-Y	
ART-2 and ART-2A	Both wells running at time of DTW and Sampling. Sample bottles labeled as ART-2 4 1 20
I-AB, I-AC, I-AD	DTW taken prior to turning well on to sample, purged prior to collecting sample.
I-Q	DTW probe hitting top of pump. Unable to bypass pump/motor with DTW probe or skinny probe.
I-Y	ETI daily DTW measurements.
	Emily McGuire and Wendy Prescott sampled April 2020

FD/EB

SWF	PC-116R 4 1 20 - FD	PC-117 4 1 20 - EB
AWF	PC-150 4 1 20 - FD	ART-14 1 20 - EB
IWF	I-W 4 2 20 - FD	I-X 4 7 20 - EB
AP5 Wells	E2-1 4 7 20 - FD	E2-2 4 7 20 - EB

**Per email from Emily Gilson dated 4/12/2017 – removed historical_reference_elev and water_level_elev data from 2017 Groundwater Sampling EDD

Field Forms changes	TWD will be marked with a "NM" not measured, unless a manual reading obtained. Manually record TWD in May
Monthly Table changes	Effective 9/13/2018- Well casing and LT Elevations email from David Bohmann dated 9/13/18
	Effective 8/1/2017 - TWD recorded annually in May - forms are to be marked at NM (Not Measured) per email from Katie Linscott 7/19/2017
Sampling Changes	Effective 3/16/2020 – NDEP approved NERT Remedial Performance Monitoring SAP, Revision 1 - ART-6 will only be sampled by Tetra Tech in November and May.

WATER SAMPLING FIELD LOG

Well No.: 1-AA

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 4/2/2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: sunny

WELL INFORMATION: **DTW ONLY** ____

Total Well Depth: NM Feet Date: 4/2/2020 Time: 0729

("NM" no measurement, manually measured on annual basis)

Depth to Water: 38.17 Feet (Manually taken at well __√__ Taken at Control Panel_____)

44.22

Height of Water Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1101	6.83	4.76 mS/Cm	24.6 °C	

Field Ph= 6.83

Sample Appearance: clear

Sample Collection Time Started: 1101 Time Finished: 1103

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading

_____ **mS/cm**

_____**Temperature**

QC _____

WATER SAMPLING FIELD LOG

Well No.: 1-AB

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 4/ 2 /2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: Sunny

WELL INFORMATION: **DTW ONLY** ____

Total Well Depth: NM Feet Date: 4/2/2020 Time: 0731

("NM" no measurement, manually measured on annual basis)

Depth to Water: 32.68 Feet (Manually taken at well __√__ Taken at Control Panel_____)

33.30

Height of Water Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1104	7.24	4.98 mS/Cm	24.0 °C	

Field Ph= 7.24

Sample Appearance: clear

Sample Collection Time Started: 1104 Time Finished: 1106

Analyses: CLO4 | TDS/NO3 | CR | CLO3 | TDS/NO3/SO4/CL | CRVI

Bottles: 1btl | 1btl | 1btl | 1btl | 1btl | 1btl

Total Bottles: 5

Comments:

Turned pump on at ~~1103~~ 1102, flowing at 6.96 gpm. Purged for 2 minutes, 2 minutes required per spreadsheet. Turned well off at 1230.

DUP EC reading

_____ **mS/cm**

_____**Temperature**

QC _____

WATER SAMPLING FIELD LOG

Well No.: 1-AC

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 4/2/2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: Sunny

WELL INFORMATION: **DTW ONLY** _____

Total Well Depth: NM Feet Date: 4/2/2020 Time: 1253

("NM" no measurement, manually measured on annual basis)

Depth to Water: 30.12 Feet (Manually taken at well √ Taken at Control Panel_____)

29.98

Height of Water Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
~~1253~~ 1257	8.01	7.19 mS/Cm	23.2 °C	

Field Ph= 8.01

Sample Appearance: clear

Sample Collection Time Started: 1257 Time Finished: 1300

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at 1257, flowing at 3 gpm. Purged for 5 minutes, 4 minutes required per spreadsheet. Turned well off at 1300.

DUP EC reading **QC** _____

_____ **mS/cm**

_____**Temperature**

WATER SAMPLING FIELD LOG

Well No.: 1-AD

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 4/2/2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: Sunny

WELL INFORMATION: **DTW ONLY** ____

Total Well Depth: NM Feet Date: 4/2/2020 Time: 1301

("NM" no measurement, manually measured on annual basis)

Depth to Water: 32.95 Feet (Manually taken at well __√__ Taken at Control Panel_____)

31.20

Height of Water Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1303	7.76	6.47 mS/Cm	23.5 °C	

Field Ph= 7.76

Sample Appearance: clear

Sample Collection Time Started: 1309 Time Finished: 1306

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at 1301, flowing at 13 gpm. Purged for 2 minutes, 2 minutes required per spreadsheet. Turned well off at 1306.

DUP EC reading

_____ **mS/cm**

_____**Temperature**

QC _____

WATER SAMPLING FIELD LOG

Well No.: 1-AR

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 4/ 2 /2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: Sunny

WELL INFORMATION: **DTW ONLY** ____

Total Well Depth: NM Feet Date: 4/ 2 /2020 Time: 0725

("NM" no measurement, manually measured on annual basis)

Depth to Water: 34.67 Feet (Manually taken at well __√__ Taken at Control Panel_____)

34.08

Height of Water Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1122	7.55	5.86 mS/Cm	24.9 °C	

Field Ph= 7.55

Sample Appearance: Clear

Sample Collection Time Started: 1122 Time Finished: 1129

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading **QC** _____

_____ **mS/cm**

_____**Temperature**

WATER SAMPLING FIELD LOG

Well No.: 1-B

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 4/2/2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: Sunny

WELL INFORMATION: **DTW ONLY** _____

Total Well Depth: NM Feet Date: 4/2/2020 Time: 0733

("NM" no measurement, manually measured on annual basis)

Depth to Water: 35.53 Feet (Manually taken at well __√__ Taken at Control Panel_____)

44.29

Height of Water Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1107	7.25	5.43 mS/Cm	25.9 °C	

Field Ph= 7.25

Sample Appearance: Clear

Sample Collection Time Started: 1107 Time Finished: 1109

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading

_____ **mS/cm**

_____**Temperature**

QC _____

WATER SAMPLING FIELD LOG

Well No.: 1-C

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 4/2/2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: Sunny

WELL INFORMATION: **DTW ONLY** _____

Total Well Depth: NM Feet Date: 4/2/2020 Time: 0750

("NM" no measurement, manually measured on annual basis)

Depth to Water: 30.98 Feet (Manually taken at well __√__ Taken at Control Panel_____)

34.85

Height of Water Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1133	7.55	7.11 mS/Cm	23.7 °C	

Field Ph= 7.55

Sample Appearance: pale yellow

Sample Collection Time Started: 1133 Time Finished: 1135

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading

_____ **mS/cm**

_____**Temperature**

QC _____

WATER SAMPLING FIELD LOG

Well No.: 1-D

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 4/ 2 /2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: Sunny

WELL INFORMATION: **DTW ONLY** ____

Total Well Depth: NM Feet Date: 4/ 2 /2020 Time: 0751

("NM" no measurement, manually measured on annual basis)

Depth to Water: 28.00 Feet (Manually taken at well _√_ Taken at Control Panel_____)

28.62

Height of Water Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1136	7.74	7.95 mS/Cm	24.4 °C	

Field Ph= 7.74

Sample Appearance: pale yellow

Sample Collection Time Started: 1136 Time Finished: 1138

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading

_____ **mS/cm**

_____**Temperature**

QC _____

WATER SAMPLING FIELD LOG

Well No.: 1-E

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 4/ 2 /2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: Sunny

WELL INFORMATION: **DTW ONLY** _____

Total Well Depth: NM Feet Date: 4/ 2 /2020 Time: 0755

("NM" no measurement, manually measured on annual basis)

Depth to Water: 29.08 Feet (Manually taken at well _√_ Taken at Control Panel_____)

30.80

Height of Water Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1141	7.63	7.29 mS/Cm	26.0 °C	

Field Ph= 7.63

Sample Appearance: pale yellow

Sample Collection Time Started: 1141 Time Finished: 1144

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading

_____ **mS/cm**

_____**Temperature**

QC _____

WATER SAMPLING FIELD LOG

Well No.: 1-F

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 4/ 2 /2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: Sunny

WELL INFORMATION: **DTW ONLY** ____

Total Well Depth: NM Feet Date: 4/ 2 /2020 Time: 0724

("NM" no measurement, manually measured on annual basis)

Depth to Water: 26.37 Feet (Manually taken at well __√__ Taken at Control Panel_____)

26.82

Height of Water Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1153	7.66	8.60 mS/Cm	23.2 °C	

Field Ph= 7.66

Sample Appearance: yellow

Sample Collection Time Started: 1153 Time Finished: 1154

Analyses: CLO4 TDS/NO3 CR CLO3 TDS/NO3/SO4/CL CRVI

Bottles: 1btl 1btl 1btl 1btl 1btl 1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading **QC** _____

_____ **mS/cm**

_____**Temperature**

WATER SAMPLING FIELD LOG

Well No.: 1-G

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 4/ 2 /2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: Sunny

WELL INFORMATION: **DTW ONLY** _____

Total Well Depth: NM Feet Date: 4/ 2 /2020 Time: 0719

("NM" no measurement, manually measured on annual basis)

Depth to Water: 29.65 Feet (Manually taken at well __√__ Taken at Control Panel_____)

30.05

Height of Water Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1202	7.56	10.17 mS/Cm	27.4 °C	

Field Ph= 7.56

Sample Appearance: yellow

Sample Collection Time Started: 1202 Time Finished: 1204

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading

_____ **mS/cm**

_____**Temperature**

QC _____

WATER SAMPLING FIELD LOG

Well No.: 1-H

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 4/ 2 /2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: Sunny

WELL INFORMATION: **DTW ONLY** _____

Total Well Depth: NM Feet Date: 4/ 2 /2020 Time: 0713

("NM" no measurement, manually measured on annual basis)

Depth to Water: 31.80 Feet (Manually taken at well __√__ Taken at Control Panel_____)

33.34

Height of Water Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1209	7.80	9.87 mS/Cm	25.7 °C	

Field Ph= 7.80

Sample Appearance: yellow

Sample Collection Time Started: 1209 Time Finished: 1211

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading

9.89 mS/cm

25.7 Temperature

QC 7.01

WATER SAMPLING FIELD LOG

Well No.: 1-1

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 4/2/2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: Sunny

WELL INFORMATION: **DTW ONLY** ____

Total Well Depth: NM Feet Date: 4/2/2020 Time: 1330

("NM" no measurement, manually measured on annual basis)

Depth to Water: 22.21 Feet (Manually taken at well _√_ Taken at Control Panel_____)

23.25

Height of Water Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1331	8.11	7.29 mS/Cm	22.7 °C	

Field Ph= 8.11

Sample Appearance: yellow

Sample Collection Time Started: 1331 Time Finished: 1334

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading **QC** _____

_____ **mS/cm**

_____**Temperature**

WATER SAMPLING FIELD LOG

Well No.: 1-J

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 4/ 2 /2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: Sunny

WELL INFORMATION: **DTW ONLY** ____

Total Well Depth: NM Feet Date: 4/ 2 /2020 Time: 1319

("NM" no measurement, manually measured on annual basis)

Depth to Water: 43.47 Feet (Manually taken at well _√_ Taken at Control Panel_____)

43.31

Height of Water Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1310	7.84	6.31 mS/Cm	23.8 °C	

Field Ph= 7.84

Sample Appearance: Pale yellow

Sample Collection Time Started: 1320 Time Finished: 1324

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading

6.31 mS/cm

23.8 Temperature

QC 7.00

WATER SAMPLING FIELD LOG

Well No.: 1-HT

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 4/2/2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: Sunny

WELL INFORMATION: **DTW ONLY** ____

Total Well Depth: NM Feet Date: 4/2/2020 Time: 1311

("NM" no measurement, manually measured on annual basis)

Depth to Water: 33.35 Feet (Manually taken at well _√_ Taken at Control Panel_____)

34.51

Height of Water Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1315	7.71	6.91 mS/Cm	25.0 °C	

Field Ph= 7.71

Sample Appearance: pale yellow

Sample Collection Time Started: 1315 Time Finished: 1318

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading

_____ **mS/cm**

_____**Temperature**

QC _____

WATER SAMPLING FIELD LOG

Well No.: 1-L

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 4/ 2 /2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: Sunny

WELL INFORMATION: **DTW ONLY** ____

Total Well Depth: NM Feet Date: 4/ 2 /2020 Time: 0744

("NM" no measurement, manually measured on annual basis)

Depth to Water: 29.41 Feet (Manually taken at well __√__ Taken at Control Panel_____)

30.72

Height of Water Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1116	7.51	6.02 mS/Cm	26.1 °C	

Field Ph= 7.51

Sample Appearance: Clear

Sample Collection Time Started: 1116 Time Finished: 1117

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading

_____ **mS/cm**

_____**Temperature**

QC _____

WATER SAMPLING FIELD LOG

Well No.: 1-M

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 4/2/2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: Sunny

WELL INFORMATION: **DTW ONLY** ____

Total Well Depth: NM Feet Date: 4/2/2020 Time: 0754

("NM" no measurement, manually measured on annual basis)

Depth to Water: 28.76 Feet (Manually taken at well __√__ Taken at Control Panel_____)

30.37

Height of Water Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1139	7.64	7.33 mS/Cm	24.9 °C	

Field Ph= 7.64

Sample Appearance: pale yellow

Sample Collection Time Started: 1139 Time Finished: 1140

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading **QC** _____

_____ **mS/cm**

_____**Temperature**

WATER SAMPLING FIELD LOG

Well No.: 1-N

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 4/2/2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: Sunny

WELL INFORMATION: **DTW ONLY** _____

Total Well Depth: NM Feet Date: 4/2/2020 Time: 0801

("NM" no measurement, manually measured on annual basis)

Depth to Water: 28.78 Feet (Manually taken at well __√__ Taken at Control Panel_____)

27.72

Height of Water Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1145	7.60	7.55 mS/Cm	24.2 °C	

Field Ph= 7.60

Sample Appearance: pale yellow

Sample Collection Time Started: 1145 Time Finished: 1147

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading

_____ **mS/cm**

_____**Temperature**

QC _____

WATER SAMPLING FIELD LOG

Well No.: 1-O

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 4/2/2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: Sunny

WELL INFORMATION: **DTW ONLY** ____

Total Well Depth: NM Feet Date: 4/2/2020 Time: 0709

("NM" no measurement, manually measured on annual basis)

Depth to Water: 29.44 Feet (Manually taken at well __√__ Taken at Control Panel_____)

31.31

Height of Water Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1220	7.68	960 mS/Cm	23.5 °C	

Field Ph= 7.68

Sample Appearance: yellow

Sample Collection Time Started: 1220 Time Finished: 1222

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading **QC** _____

_____ **mS/cm**

_____**Temperature**

WATER SAMPLING FIELD LOG

Well No.: 1-P

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 4/ 2 /2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: Sunny

WELL INFORMATION: **DTW ONLY** _____

Total Well Depth: NM Feet Date: 4/ 2 /2020 Time: 0712

("NM" no measurement, manually measured on annual basis)

Depth to Water: 28.39 Feet (Manually taken at well _√_ Taken at Control Panel_____)

29.33

Height of Water Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1212	7.68	9.83 mS/Cm	26.0 °C	

Field Ph= 7.68

Sample Appearance: yellow

Sample Collection Time Started: 1212 Time Finished: 1214

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading **QC** _____

_____ **mS/cm**

_____**Temperature**

WATER SAMPLING FIELD LOG

Well No.: I-Q

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 4/ 2 /2020

Sampling Method: √ Sample collected from Sample Port ◯ Hand bailed due to location of well

Weather Conditions: Sunny

WELL INFORMATION: **DTW ONLY** ____

Total Well Depth: ___NM_____Feet Date: 4/ 2 /2020 Time: 0835

("NM" no measurement, manually measured on annual basis)

Depth to Water: 30.84 Feet (Manually taken at well ____ Taken at Control Panel ✓)

31.29

Height of Water Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1155	7.74	10.05 mS/Cm	26.9 °C	

Field Ph= 7.74

Sample Appearance: yellow

Sample Collection Time Started: 1155 Time Finished: 1201

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading

_____ **mS/cm**

_____**Temperature**

QC _____

WATER SAMPLING FIELD LOG

Well No.: 1-R

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 4/ 3 /2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: sunny

WELL INFORMATION: **DTW ONLY** ____

Total Well Depth: NM Feet Date: 4/ 2 /2020 Time: 0741

("NM" no measurement, manually measured on annual basis)

Depth to Water: 31.08 Feet (Manually taken at well _√_ Taken at Control Panel_____)

Height of Water Column (L) : 31.61 Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1110	7.22	6.39 mS/Cm	26.7 °C	

Field Ph= 7.22

Sample Appearance: clear

Sample Collection Time Started: 1110 Time Finished: 1112

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading **QC** _____

_____ **mS/cm**

_____**Temperature**

6.21 **mS/cm**

24.4 **Temperature**

WATER SAMPLING FIELD LOG

Well No.: 1-T

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 4/ 2 /2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: Sunny

WELL INFORMATION: **DTW ONLY** _____

Total Well Depth: NM Feet Date: 4/ 2 /2020 Time: 0717

("NM" no measurement, manually measured on annual basis)

Depth to Water: 32.03 Feet (Manually taken at well __√__ Taken at Control Panel_____)

34.26

Height of Water Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1205	7.47	10.40 mS/Cm	28.8 °C	

Field Ph= 7.47

Sample Appearance: yellow

Sample Collection Time Started: 1205 Time Finished: 1206

Analyses: CLO4 | TDS/NO3 | CR | CLO3 | TDS/NO3/SO4/CL | CRVI

Bottles: 1btl | 1btl | 1btl | 1btl | 1btl | 1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading

_____ **mS/cm**

_____**Temperature**

QC _____

WATER SAMPLING FIELD LOG

Well No.: 1-U

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 4/ 2 /2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: Sunny

WELL INFORMATION: **DTW ONLY** _____

Total Well Depth: NM Feet Date: 4/ 2/2020 Time: 0716

("NM" no measurement, manually measured on annual basis)

Depth to Water: 33.34 Feet (Manually taken at well __√__ Taken at Control Panel_____)

34.45

Height of Water Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1207	7.63	10.59 mS/Cm	26 °C	

Field Ph= 7.63

Sample Appearance: yellow

Sample Collection Time Started: 1207 Time Finished: 1208

Analyses: CLO4 TDS/NO3 CR CLO3 TDS/NO3/SO4/CL CRVI

Bottles: 1btl 1btl 1btl 1btl 1btl 1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading

_____ **mS/cm**

_____**Temperature**

QC _____

WATER SAMPLING FIELD LOG

Well No.: 1-V

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 4/ 2 /2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: Sunny

WELL INFORMATION: **DTW ONLY** _____

Total Well Depth: NM Feet Date: 4/ 2 /2020 Time: 1336

("NM" no measurement, manually measured on annual basis)

Depth to Water: 30.55 Feet (Manually taken at well __√__ Taken at Control Panel_____)

30.65

Height of Water Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1337	8.15	8.77 mS/Cm	24.0 °C	

Field Ph= 8.15

Sample Appearance: yellow

Sample Collection Time Started: 1337 Time Finished: 1339

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading

_____ **mS/cm**

_____**Temperature**

QC _____

WATER SAMPLING FIELD LOG

Well No.: 1-W

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 4/2/2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: Sunny

WELL INFORMATION: **DTW ONLY** ____

Total Well Depth: NM Feet Date: 4/2/2020 Time: 0711

("NM" no measurement, manually measured on annual basis)

Depth to Water: 30.20 Feet (Manually taken at well __√__ Taken at Control Panel_____)

32.73

Height of Water Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1215	7.64	9.59 mS/Cm	27.1 °C	

Field Ph= 7.64

Sample Appearance: yellow

Sample Collection Time Started: 1215 Time Finished: 1219

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

1-W 4 2 20-FD

DUP EC reading

_____ **mS/cm**

_____**Temperature**

QC_____

Collected here at same time for same analysis.

10.00 mS/Cm 27.1 °C 7.65 pH

WATER SAMPLING FIELD LOG

Well No.: 1-X

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 4/ 2 /2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: sunny

WELL INFORMATION: **DTW ONLY** _____

Total Well Depth: NM Feet Date: 4/ 2 /2020 Time: 0723

("NM" no measurement, manually measured on annual basis)

Depth to Water: 28.19 Feet (Manually taken at well __√__ Taken at Control Panel_____)

29.52

Height of Water Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1148	7.74	8.34 mS/Cm	22.5 °C	

Field Ph= 7.74

Sample Appearance: pale yellow

Sample Collection Time Started: 1148 Time Finished: 1152

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

1-X 4 2 20-EB

QC _____ Collected here before moving to next well, for same analysis

0.09 mS/Cm 9.11 pH 20.6 °C

DUP EC reading

8.33 mS/cm

22.8 Temperature

WATER SAMPLING FIELD LOG

Well No.: 1-4

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 4/ 2 /2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: Sunny

WELL INFORMATION: **DTW ONLY** ____

Total Well Depth: NM Feet Date: 4/2/2020 Time: 0743

("NM" no measurement, manually measured on annual basis)

Depth to Water: 32.14 Feet (Manually taken at well _√_ Taken at Control Panel_____)

Height of Water Column (L) : 34.74 Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1113	7.44	6.13 mS/Cm	25.3 °C	

Field Ph= 7.44

Sample Appearance: Clear

Sample Collection Time Started: 1113 Time Finished: 1115

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading

_____ **mS/cm**

_____**Temperature**

QC _____

WATER SAMPLING FIELD LOG

Well No.: 1-7

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 4/2/2020

Sampling Method: √ Sample collected from Sample Port ○Hand bailed due to location of well

Weather Conditions: Sunny

WELL INFORMATION: **DTW ONLY** ____

Total Well Depth: NM Feet Date: 4/2/2020 Time: 1325

("NM" no measurement, manually measured on annual basis)

Depth to Water: 28.11 Feet (Manually taken at well __√__ Taken at Control Panel_____)

Height of Water Column (L) : 28.76 Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1326	8.03	6.85 mS/Cm	23.0 °C	

Field Ph= 8.03

Sample Appearance: yellow

Sample Collection Time Started: 1326 Time Finished: 1329

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading **QC** _____

_____ **mS/cm**

_____**Temperature**

WATER SAMPLING FIELD LOG

Well No.: ART-1

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 4/ 1 /2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: Sunny

WELL INFORMATION: **DTW ONLY √**

Total Well Depth: NM Feet Date: 4/ 1 /2020 Time: 1106

("NM" no measurement, manually measured on annual basis)

Depth to Water: 30.20 Feet (Manually taken at well √ Taken at Control Panel_____)

29.95

Height of Water Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
		mS/Cm	°C	

Field Ph=_____

Sample Appearance:

Sample Collection Time Started: Time Finished:

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading

_____ mS/cm

_____Temperature

QC _____

WATER SAMPLING FIELD LOG

Well No.: ART-1A

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 4/ 1 /2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: Sunny

WELL INFORMATION: **DTW ONLY** _____

Total Well Depth: NM Feet Date: 4/ 1 /2020 Time: ~~32.57~~ 1108

("NM" no measurement, manually measured on annual basis)

Depth to Water: 32.57 Feet (Manually taken at well √ Taken at Control Panel_____)

32.48

Height of Water Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1124	7.84	7.31 mS/Cm	24.5 °C	

Field Ph= 7.84

Sample Appearance: Clear

Sample Collection Time Started: 1124 Time Finished: 1127

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

ART-1 4 1 20-EB Collected here, for same analysis, before moving to next well.

DUP EC reading

_____ **mS/cm**

_____**Temperature**

QC _____

0.01 MS/Cm 25.4 °C 8.38 pH

WATER SAMPLING FIELD LOG

Well No.: ART-2

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 4/ 1 /2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: Sunny

WELL INFORMATION: **DTW ONLY** _____

Total Well Depth: NM Feet Date: 4/ 1 /2020 Time: 1101

("NM" no measurement, manually measured on annual basis)

Depth to Water: 36.65 Feet (Manually taken at well _√_ Taken at Control Panel_____)

35.08

Height of Water Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1121	7.57	13.28 mS/Cm	24.9 °C	

Field Ph= 7.57

Sample Appearance: clear

Sample Collection Time Started: 1121 Time Finished: 1123

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading **QC** _____

_____ **mS/cm**

_____**Temperature**

WATER SAMPLING FIELD LOG

Well No.: ART-2A

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 4/ 1 /2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: Sunny

WELL INFORMATION: **DTW ONLY** _____

Total Well Depth: NM Feet Date: 4/ 1 /2020 Time: 3rd 1104

("NM" no measurement, manually measured on annual basis)

Depth to Water: 34.13 Feet (Manually taken at well _√_ Taken at Control Panel_____)

34.33

Height of Water Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	---	---	---
_____	_____	_____mS/Cm	_____°C	_____

Field Ph=_____

Sample Appearance: _____

Sample Collection Time Started: Time Finished: _____

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

Bottles labeled ART-2 4 1 20 as both wells are pumping

DUP EC reading

_____ **mS/cm**

_____**Temperature**

QC _____

WATER SAMPLING FIELD LOG

Well No.: ART-3

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 4/ 1 /2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: Sunny

WELL INFORMATION: **DTW ONLY √**

Total Well Depth: NM Feet Date: 4/ 1 /2020 Time: 1057

("NM" no measurement, manually measured on annual basis)

Depth to Water: 35.82 Feet (Manually taken at well √ Taken at Control Panel_____)

36.41

Height of Water
Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	---	---	---
		mS/Cm	°C	

Field Ph=_____

Sample Appearance:

Sample Collection Time Started: Time Finished:

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading **QC** _____

_____ **mS/cm**

_____**Temperature**

WATER SAMPLING FIELD LOG

Well No.: ART-3A

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 4/ 1 /2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: Sunny

WELL INFORMATION: **DTW ONLY** _____

Total Well Depth: NM Feet Date: 4/ 1 /2020 Time: 1058

("NM" no measurement, manually measured on annual basis)

Depth to Water: ~~52.46~~ 43.38 Feet (Manually taken at well √ Taken at Control Panel_____)

52.36

Height of Water Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1115	7.05	10.82 mS/Cm	25.2 °C	

Field Ph= 7.05

Sample Appearance: clear

Sample Collection Time Started: 1115 Time Finished: 1117

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading **QC** _____

_____ **mS/cm**

_____**Temperature**

WATER SAMPLING FIELD LOG

Well No.: ART-4

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 4/ 1 /2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: Sunny

WELL INFORMATION: **DTW ONLY** _____

Total Well Depth: NM Feet Date: 4/ 1 /2020 Time: 1055

("NM" no measurement, manually measured on annual basis)

Depth to Water: 38.30 Feet (Manually taken at well √ Taken at Control Panel_____)

36.78

Height of Water Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1112	6.77	8.27 mS/Cm	26.3 °C	

Field Ph= 6.77

Sample Appearance: Clear

Sample Collection Time Started: 1112 Time Finished: 1114

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading **QC** _____

_____ **mS/cm**

_____**Temperature**

WATER SAMPLING FIELD LOG

Well No.: ART-4A

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 4/ 1 /2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: Sunny

WELL INFORMATION: **DTW ONLY** ✓

Total Well Depth: NM Feet Date: 4/ 1 /2020 Time: 1056

("NM" no measurement, manually measured on annual basis)

Depth to Water: 35.11 Feet (Manually taken at well √ Taken at Control Panel_____)

34.17

Height of Water
Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	---	---	---
		mS/Cm	°C	

Field Ph=_____

Sample Appearance:

Sample Collection Time Started: Time Finished:

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading **QC** _____

_____ **mS/cm**

_____**Temperature**

WATER SAMPLING FIELD LOG

Well No.: ART-6

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 4/ 1 /2020

Sampling Method: ◯ Sample collected from Sample Port √ Hand bailed due to location of well

Weather Conditions: Sunny

WELL INFORMATION: **DTW ONLY** _____

Total Well Depth: _____NM_____Feet Date: 4/ 1 /2020 Time: 1035

("NM" no measurement, manually measured on annual basis)

Depth to Water: 29.23 Feet (Manually taken at well __√__ Taken at Control Panel_____)

30.60

Height of Water
Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
_____	_____	_____mS/Cm	_____°C	_____

Field Ph=_____

Sample Appearance:

Sample Collection Time Started: Time Finished:

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading

_____ **mS/cm**

_____**Temperature**

QC _____

WATER SAMPLING FIELD LOG

Well No.: ART-7A

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 4/1/2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: Sunny

WELL INFORMATION: **DTW ONLY** ✓

Total Well Depth: NM Feet Date: 4/1/2020 Time: 1042

("NM" no measurement, manually measured on annual basis)

Depth to Water: 29.41 Feet (Manually taken at well √ Taken at Control Panel_____)

30.50

Height of Water
Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
		mS/Cm	°C	

Field Ph=_____

Sample Appearance:

Sample Collection Time Started: Time Finished:

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading **QC** _____

_____ **mS/cm**

_____**Temperature**

WATER SAMPLING FIELD LOG

Well No.: ART-7B

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 4/ 1 /2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: _____

WELL INFORMATION: **DTW ONLY** _____

Total Well Depth: NM Feet Date: 4/ 1 /2020 Time: 1040

("NM" no measurement, manually measured on annual basis)

Depth to Water: 38.99 Feet (Manually taken at well __√__ Taken at Control Panel_____)

44.07

Height of Water Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1135	7.78	9.77 mS/Cm	24.2 °C	

Field Ph= 7.78

Sample Appearance: clear

Sample Collection Time Started: 1135 Time Finished: 1137

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading **QC** _____

_____ **mS/cm**

_____**Temperature**

WATER SAMPLING FIELD LOG

Well No.: ART-8

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 4/1/2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: Sunny

WELL INFORMATION: **DTW ONLY** ✓

Total Well Depth: NM Feet Date: 4/1/2020 Time: 1059

("NM" no measurement, manually measured on annual basis)

Depth to Water: 35.17 Feet (Manually taken at well √ Taken at Control Panel_____)

36.14

Height of Water Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
_____	_____	_____ mS/Cm	_____ °C	_____

Field Ph=_____

Sample Appearance:

Sample Collection Time Started: Time Finished:

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading **QC** _____

_____ **mS/cm**

_____**Temperature**

WATER SAMPLING FIELD LOG

Well No.: ART-8A

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 4/ 1 /2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: Sunny

WELL INFORMATION: **DTW ONLY** ____

Total Well Depth: NM Feet Date: 4/ 1 /2020 Time: 1400

("NM" no measurement, manually measured on annual basis)

Depth to Water: 40.97 Feet (Manually taken at well __√__ Taken at Control Panel_____)

44.45

Height of Water Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1119	7.40	12.81 mS/Cm	24.5 °C	

Field Ph=_____

Sample Appearance: Clear

Sample Collection Time Started: 1119 Time Finished: 1120

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading **QC** _____

_____ **mS/cm**

_____**Temperature**

WATER SAMPLING FIELD LOG

Well No.: ART-9

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 4/1/2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: Sunny

WELL INFORMATION: **DTW ONLY** ____

Total Well Depth: NM Feet Date: 4/1/2020 Time: 1038

("NM" no measurement, manually measured on annual basis)

Depth to Water: 31.62 Feet (Manually taken at well __√__ Taken at Control Panel_____)

31.83

Height of Water Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1132	7.72	7.73 mS/Cm	24.1 °C	

Field Ph= 7.72

Sample Appearance: clear

Sample Collection Time Started: 1132 Time Finished: 1134

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading

7.74 **mS/cm**

24.2 **Temperature**

QC 6.99

WATER SAMPLING FIELD LOG

Well No.: PC-99 R2/R3

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 4/ 1 /2019

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: Sunny

WELL INFORMATION: **DTW ONLY** _____

Total Well Depth: NM Feet Date: 4/ 1 /2019 Time: 0908

("NM" no measurement, manually measured on annual basis)

Depth to Water: 10.39 Feet (Manually taken at well ____ Taken at Control Panel √)

10.79

Height of Water Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1233	8.11	4.94 mS/Cm	24.1 °C	

Field Ph= 8.11

Sample Appearance: Clear

Sample Collection Time Started: 1233 Time Finished: 1235

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading **QC** _____

_____ **mS/cm**

_____**Temperature**

WATER SAMPLING FIELD LOG

Well No.: PC-115R

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 4/ 1 /2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: Sunny

WELL INFORMATION: **DTW ONLY** _____

Total Well Depth: NM Feet Date: 4/ 1 /2020 Time: 0952

("NM" no measurement, manually measured on annual basis)

Depth to Water: 10.69 Feet (Manually taken at well _√_ Taken at Control Panel_____)

10.61

Height of Water Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1236	8.13	4.18 mS/Cm	23.5 °C	

Field Ph= 8.13

Sample Appearance: clear

Sample Collection Time Started: 1236 Time Finished: 1238

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading

_____ mS/cm

_____Temperature

QC _____

WATER SAMPLING FIELD LOG

Well No.: PC-116R

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 4/ 1 /2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: Sunny

WELL INFORMATION: **DTW ONLY** ____

Total Well Depth: NM Feet Date: 4/ 1 /2020 Time: 0941

("NM" no measurement, manually measured on annual basis)

Depth to Water: 13.21 Feet (Manually taken at well __√__ Taken at Control Panel_____)

13.26

Height of Water Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1239	7.84	4.71 mS/Cm	23.5 °C	

Field Ph= 7.84

Sample Appearance: clear

Sample Collection Time Started: 1239 Time Finished: 1240

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

PC-116R 4 1 20 - FD Collected here at same time for same analysis

DUP EC reading

_____ **mS/cm**

_____**Temperature**

QC _____

4.72 mS/Cm ~~7.84~~ 23.5 °C 7.84 pH

WATER SAMPLING FIELD LOG

Well No.: PC-117

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 4/ 1 /2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: Sunny

WELL INFORMATION: **DTW ONLY** ____

Total Well Depth: NM Feet Date: 4/ 1 /2020 Time: 0935

("NM" no measurement, manually measured on annual basis)

Depth to Water: 13.05 Feet (Manually taken at well __√__ Taken at Control Panel_____)

13.22

Height of Water Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1253	7.68	4.01 mS/Cm	22.1 °C	

Field Ph= 7.68

Sample Appearance: clear

Sample Collection Time Started: 1253 Time Finished: 1257

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

PC-117 4 1 20-EB Collected here for same analysis, before moving to next well

DUP EC reading

_____ **mS/cm**

_____**Temperature**

QC _____

0.01 mS/cm 25.4 °C 8.40 pH

WATER SAMPLING FIELD LOG

Well No.: PC-118

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 4/ 1 /2020

Sampling Method: V Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: Sunny

WELL INFORMATION: **DTW ONLY** _____

Total Well Depth: NM Feet Date: 4/ 1 /2020 Time: 0957

("NM" no measurement, manually measured on annual basis)

Depth to Water: 6.90 Feet (Manually taken at well V Taken at Control Panel_____)
6.91

Height of Water Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1241	7.97	3.60 mS/Cm	22.9 °C	

Field Ph= 7.97

Sample Appearance: clear

Sample Collection Time Started: 1241 Time Finished: 1243

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading **QC** _____

_____ **mS/cm**

_____**Temperature**

WATER SAMPLING FIELD LOG

Well No.: PC-119

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 4/ 1 /2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: _____

WELL INFORMATION: **DTW ONLY** _____

Total Well Depth: NM Feet Date: 4/ 1 /2020 Time: 1002

("NM" no measurement, manually measured on annual basis)

Depth to Water: 5.18 Feet (Manually taken at well _√_ Taken at Control Panel_____)

5.12

Height of Water Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1244	7.96	3.18 mS/Cm	22.0 °C	

Field Ph= 7.96

Sample Appearance: clear

Sample Collection Time Started: 1244 Time Finished: 1246

Analyses: CLO4 | TDS/NO3 | CR | CLO3 | TDS/NO3/SO4/CL | CRVI

Bottles: 1btl | 1btl | 1btl | 1btl | 1btl | 1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading

_____ **mS/cm**

_____**Temperature**

QC _____

WATER SAMPLING FIELD LOG

Well No.: PC-120

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 4/ 1 /2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: Sunny

WELL INFORMATION: **DTW ONLY** _____

Total Well Depth: NM Feet Date: 4/ 1 /2020 Time: 1008

("NM" no measurement, manually measured on annual basis)

Depth to Water: 3.78 Feet (Manually taken at well _√_ Taken at Control Panel_____)

3.98

Height of Water Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1247	7.89	2.67 mS/Cm	21.4 °C	

Field Ph= 7.89

Sample Appearance: clear

Sample Collection Time Started: 1247 Time Finished: 1249

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading

2.67 mS/cm

21.5 Temperature

QC 7.00

WATER SAMPLING FIELD LOG

Well No.: PC-121

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 4/ 1 /2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: Sunny

WELL INFORMATION: **DTW ONLY** _____

Total Well Depth: NM Feet Date: 4/ 1 /2020 Time: 1011

("NM" no measurement, manually measured on annual basis)

Depth to Water: 3.49 Feet (Manually taken at well √ Taken at Control Panel_____)

3.39

Height of Water Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1250	7.91	2.65 mS/Cm	21.5 °C	

Field Ph= 7.91

Sample Appearance: clear

Sample Collection Time Started: 1250 Time Finished: 1252

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading

_____ **mS/cm**

_____**Temperature**

QC _____

WATER SAMPLING FIELD LOG

Well No.: PC-133

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 4/ 1 /2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: Sunny

WELL INFORMATION: **DTW ONLY** _____

Total Well Depth: NM Feet Date: 4/ 1 /2020 Time: 0927

("NM" no measurement, manually measured on annual basis)

Depth to Water: 20.40 Feet (Manually taken at well __√__ Taken at Control Panel_____)

21.14

Height of Water Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	---	---	---
1258	7.69	3.09 mS/Cm	22.1 °C	

Field Ph= 7.69

Sample Appearance: clear

Sample Collection Time Started: 1258 Time Finished: 1300

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading

_____ **mS/cm**

_____**Temperature**

QC _____

WATER SAMPLING FIELD LOG

Well No.: PC-150

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 4/ 1 /2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: Sunny

WELL INFORMATION: **DTW ONLY** ____

Total Well Depth: NM Feet Date: 4/1/2020 Time: 1050

("NM" no measurement, manually measured on annual basis)

Depth to Water: 39.23 Feet (Manually taken at well __√__ Taken at Control Panel_____)

41.07

Height of Water Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1128	7.77	6.89 mS/Cm	25.3 °C	

Field Ph= 7.77

Sample Appearance: Clear

Sample Collection Time Started: 1128 Time Finished: 1131

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

PC-150 4 1 20-FD Collected here at same time for same analysis

6.92 Ms/Cm 25.3 °C 7.72 pH

DUP EC reading

_____ mS/cm

_____Temperature

QC _____

WATER SAMPLING FIELD LOG

Well No.: E1-1

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 4/ 7 /2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: overcast

WELL INFORMATION: **DTW ONLY** ____

Total Well Depth: NM Feet Date: 4/ 7 /2020 Time: 1147

("NM" no measurement, manually measured on annual basis)

Depth to Water: 42.45 Feet (Manually taken at well _√_ Taken at Control Panel_____)

41.49

Height of Water
Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1158	6.89	5.32 mS/Cm	24.7 °C	

Field Ph= 6.89

Sample Appearance: Clear

Sample Collection Time Started: 1158 Time Finished: 1203

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading **QC** _____

_____ **mS/cm**

_____**Temperature**

WATER SAMPLING FIELD LOG

Well No.: E1-2

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 4/ 7 /2020

Sampling Method: V Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: ~~Sunny~~ overcast

WELL INFORMATION: **DTW ONLY** ____

Total Well Depth: NM Feet Date: 4/ 7 /2020 Time: 1148

("NM" no measurement, manually measured on annual basis)

Depth to Water: 44.30 Feet (Manually taken at well __V__ Taken at Control Panel_____)

43.41

Height of Water Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1204	7.00	7.07 mS/Cm	24.6 °C	

Field Ph= 7.00

Sample Appearance: clear

Sample Collection Time Started: 1204 Time Finished: 1207

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading **QC** _____

_____ **mS/cm**

_____**Temperature**

WATER SAMPLING FIELD LOG

Well No.: 91-3

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 4/ 7 /2020

Sampling Method: V Sample collected from Sample Port ○Hand bailed due to location of well

Weather Conditions: ~~SUNNY~~ Overcast

WELL INFORMATION: **DTW ONLY** _____

Total Well Depth: NM Feet Date: 4/ 7 /2020 Time: 1149

("NM" no measurement, manually measured on annual basis)

Depth to Water: 42.96 Feet (Manually taken at well V Taken at Control Panel_____)

41.35

Height of Water Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1208	7.27	6.38 mS/Cm	24.7 °C	

Field Ph= 7.27

Sample Appearance: Clear

Sample Collection Time Started: 1208 Time Finished: 1217

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading

_____ **mS/cm**

_____**Temperature**

QC _____

WATER SAMPLING FIELD LOG

Well No.: E2-1

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 4/ 7 /2020

Sampling Method: √ Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: ~~Sunny~~ 44 overcast

WELL INFORMATION: **DTW ONLY** _____

Total Well Depth: NM Feet Date: 4/ 7 /2020 Time: 1213

("NM" no measurement, manually measured on annual basis)

Depth to Water: 44.76 Feet (Manually taken at well _√_ Taken at Control Panel_____)

Height of Water Column (L) : 42.70 Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1216	7.27	4.39 mS/Cm	24.3 °C	

Field Ph= 7.27

Sample Appearance: clear

Sample Collection Time Started: 1216 Time Finished: 1223

Analyses / Bottles:

CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

E2-1 4 7 20-FD Collected here at same time for same analysis.

4.39 mS/Cm 24.3 °C 7.4 pH

DUP EC reading

_____ mS/cm

_____Temperature

QC _____

WATER SAMPLING FIELD LOG

Well No.: E2-2

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 4/ 7 /2020

Sampling Method: √ Sample collected from Sample Port ○Hand bailed due to location of well

Weather Conditions: Overcast

WELL INFORMATION: **DTW ONLY** ____

Total Well Depth: NM Feet Date: 4/ 7 /2020 Time: 1224

("NM" no measurement, manually measured on annual basis)

Depth to Water: 42.65 Feet (Manually taken at well __√__ Taken at Control Panel_____)

43.01

Height of Water Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1226	7.42	4.55 mS/Cm	24.2 °C	

Field Ph= 7.42

Sample Appearance: clear

Sample Collection Time Started: 1226 Time Finished: 1230

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

E2-2 4 7 20-EB

Collected here before moving to next well, for same analysis

DUP EC reading

_____ **mS/cm**

_____**Temperature**

QC _____

0.02 mS/Cm 19.9 °C 7.87 pH

WATER SAMPLING FIELD LOG

Well No.: E2-3

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 4/ 7 /2020

Sampling Method: V Sample collected from Sample Port ◯Hand bailed due to location of well

Weather Conditions: overcast

WELL INFORMATION: **DTW ONLY** _____

Total Well Depth: NM Feet Date: 4/ 7 /2020 Time: 1230

("NM" no measurement, manually measured on annual basis)

Depth to Water: 41.41 Feet (Manually taken at well V Taken at Control Panel_____)

Height of Water Column (L) : 41.32 Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1233	7.35	5.32 mS/Cm	23.3 °C	

Field Ph= 7.35

Sample Appearance: clear

Sample Collection Time Started: 1233 Time Finished: 1236

Analyses:	CLO4	TDS/NO3	CR	CLO3	TDS/NO3/SO4/CL	CRVI
Bottles:	1btl	1btl	1btl	1btl	1btl	1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading

5.32 mS/cm

23.2 Temperature

QC 6.98

WATER SAMPLING FIELD LOG

Well No.: E2-4

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 4/ 7 /2020

Sampling Method: √ Sample collected from Sample Port ○Hand bailed due to location of well

Weather Conditions: Overcast

WELL INFORMATION: **DTW ONLY** ____

Total Well Depth: NM Feet Date: 4/ 7 /2020 Time: 1238

("NM" no measurement, manually measured on annual basis)

Depth to Water: 43.02 Feet (Manually taken at well __√__ Taken at Control Panel_____)

41.22

Height of Water Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1242	7.62	6.05 mS/Cm	21.9 °C	

Field Ph= 7.62

Sample Appearance: Clear

Sample Collection Time Started: 1242 Time Finished: 1247

Analyses: CLO4 | TDS/NO3 | CR | CLO3 | TDS/NO3/SO4/CL | CRVI

Bottles: 1btl | 1btl | 1btl | 1btl | 1btl | 1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading **QC** _____

_____ **mS/cm**

_____**Temperature**

WATER SAMPLING FIELD LOG

Well No.: E2-5

Project No.: _____ Site: NERT PROJECT – HENDERSON NEVADA

Sampling Team: Janel Rivera Date: 4/ 7 /2020

Sampling Method: √ Sample collected from Sample Port ○Hand bailed due to location of well

Weather Conditions: overcast

WELL INFORMATION: **DTW ONLY** _____

Total Well Depth: NM Feet Date: 4/ 7 /2020 Time: 1240

("NM" no measurement, manually measured on annual basis)

Depth to Water: 44.79 Feet (Manually taken at well __√__ Taken at Control Panel_____)

44.40

Height of Water Column (L) :_____Feet

FIELD MEASUREMENTS:

Time	pH	EC/MC Reading	Temperature	Observations
---	---	----	---	---
1248	7.31	6.54 mS/Cm	24.3 °C	

Field Ph= 7.31

Sample Appearance: clear

Sample Collection Time Started: 1248 Time Finished: 1252

Analyses / Bottles: CLO4 1btl; TDS/NO3 1btl; CR 1btl; CLO3 1btl; TDS/NO3/SO4/CL 1btl; CRVI 1btl

Total Bottles: 5

Comments:

Turned pump on at _____, flowing at _____ gpm. Purged for _____ minutes, _____minutes required per spreadsheet. Turned well off at _____.

DUP EC reading **QC** _____

_____ mS/cm

_____Temperature

ENVIROGEN

ENVIROGEN MONTHLY SAMPLING LOG SHEET

DATE	TIME	COMPANY	SIGNATURE	PRINT NAME
4/1/20	0800	ETI	[signature]	Emily McGuire
4/1/20	0800	ETI	[signature]	Wendy Prescott
4/2/20	0700	ETI	[signature]	Emily McGuire
4/2/20	0700	ETI	[signature]	Carlos figueroa
4/2/20	0700	ETI	[signature]	Wendy Presott
4/7/20	1000	ETI	[signature]	Emily McGuire

DAILY SAMPLING RIG INSPECTION SHEET

Date: 4/1/20 **Operator:** EE

TRUCK INSPECTION

Check Tires & Lug Nuts	✓
Check Steering Wheel	✓
Check Lights	✓
Check Horn	✓
Check Radiator Fluid	✓
Check Engine Oil	✓
Check Parking Brake	✓
Check Brakes and Brake Fluid	✓
Check Gauges	
Oil Light	✓
Battery Light	✓

Items not checked as ok:

Pre shift safety meeting:

PPE ✓

Dangers with wells being sampled today None

Hazards to be concerned with for wells being sampled today

EG McGuire

~~nel Rivera~~ Emily McGuire

DAILY SAMPLING RIG INSPECTION SHEET

Date: 4/2/20 Operator: EE

TRUCK INSPECTION

Check Tires & Lug Nuts	✓
Check Steering Wheel	✓
Check Lights	✓
Check Horn	✓
Check Radiator Fluid	✓
Check Engine Oil	✓
Check Parking Brake	✓
Check Brakes and Brake Fluid	✓
Check Gauges	
Oil Light	✓
Battery Light	✓

Items not checked as ok:

_____

_____

_____

_____

Pre shift safety meeting:

PPE ✓

Dangers with wells being sampled today None

_____

Hazards to be concerned with for wells being sampled today _____

_____

E McGuire

~~nel~~ Rivera

Dangers with wells being sampled today None

_____

Hazards to be concerned with for wells being sampled today None

ENVIROGEN

TWD Meter Heron Instruments Dipper-T
Well Depth Indicator probe Serial No: WD0790
DTW Meter Geotech Water Level Meter
Serial No: 6329

DAILY MAINTENANCE AND CALIBRATION RECORD

Date: 4/1/20

HANNA FIELD EC METER

		Time/Analyst
Known Value	1) 1288	0705 / EE
Temp. Comp. Value	2) 25.0	
Calibration Value	3) 1290	
Standard Temp	4) 25.6	
Changed Buffers	Yes ✓ please check	

HANNA FIELD pH METER

			Time/Analyst
Known Value	1) 7.0	1) 8.0	0701 / EE
Calibration Value	2) 7.01	2) 801	
Buffer Temperature	3) 25.0	3) 25.0	
Changed Buffers	Yes ✓ please check		

Duplicate EC reading

Well# PC-120 / ART 9

1st Reading
EC 2.67 Temp 21.4
EC 7.73 Temp 24.1

2nd Reading
EC 2.67 Temp 21.5
EC 7.74 Temp 24.2

CLOSING QC

7.00

EVERY 8 SAMPLES

6.99 7.00

DATE: 4/1/20

VERIFIED

ENVIROGEN

TWD Meter Heron Instruments Dipper-T
Well Depth Indicator probe Serial No: WD0790
DTW Meter Geotech Water Level Meter
Serial No: 6329

DAILY MAINTENANCE AND CALIBRATION RECORD

Date: 4/2/20

HANNA FIELD EC METER

		Time/Analyst
Known Value	1) 1288	/EM
Temp. Comp. Value	2) 25.0	
Calibration Value	3) 1288	
Standard Temp	4) 25.1	
Changed Buffers	Yes _____ please check	

HANNA FIELD pH METER

			Time/Analyst
Known Value	1) 7.0	1) 8.0	1035 / EM
Calibration Value	2) 7.01	2)	
Buffer Temperature	3) 25.0	3) 25.0	
Changed Buffers	Yes _____ please check		

Duplicate EC reading Well# J | S | X

1st Reading

J: EC 6.31 Temp 23.8
S: EC 6.22 Temp 24.4
X: EC 8.34 Temp 22.5

2nd Reading

EC 6.31 Temp 23.8
EC 6.21 Temp 24.4
EC 8.33 Temp 22.8

H: 1st 9.87 25.7
2nd 9.89 25.7

CLOSING QC

EVERY 8 SAMPLES

7.00 | 6.99 | 7.01

DATE: 4/2/20

VERIFIED

ENVIROGEN

TWD Meter Heron Instruments Dipper-T
Well Depth Indicator probe Serial No: WD0790
DTW Meter Geotech Water Level Meter
Serial No: 6329

DAILY MAINTENANCE AND CALIBRATION RECORD

Date: 4/7/20

HANNA FIELD EC METER

		Time/Analyst
Known Value	1) 1288	1050/EE
Temp. Comp. Value	2) 25.0	
Calibration Value	3) 1290	
Standard Temp	4) 23.3	
Changed Buffers Yes ✓ please check		

HANNA FIELD pH METER

			Time/Analyst
Known Value	1) 7.0	1) 8.0	1045/EE
Calibration Value	2) 7.01	2) 8.00	
Buffer Temperature	3) 25.0	3) 25.1	
Changed Buffers Yes ✓ please check			

Duplicate EC reading

Well# E2-3

1st Reading
EC 5.32 Temp 23.3

2nd Reading
EC 5.32 Temp 23.2

CLOSING QC

EVERY 8 SAMPLES

7.00

6.98

DATE: 4/7/20

VERIFIED EBG

TETRA TECH

TECHNICAL MEMORANDUM

To:	**Chris Ritchie and Chris Stubbs, Ramboll**
Cc:	Steve Clough, Nevada Environmental Response Trust Matthew Edelstein, Craig Knox, Emeryville Lab Data, Ramboll David Bohmann, Tetra Tech
From:	Jesse Bunkers and James Roman
Date:	May 20, 2020
Subject:	**April 2020 Monthly Las Vegas Wash Surface Water Sampling** **Nevada Environmental Response Trust Site** **Henderson, NV**

MONTHLY SURFACE WATER SAMPLING ACTIVITIES

At the direction of the Nevada Environmental Response Trust (NERT or Trust), Tetra Tech, Inc. (Tetra Tech) has prepared this summary for the April 2020 Las Vegas Wash Surface Water Sampling event for the NERT Site.

The ten sample locations described in the *Surface Water Sampling and Analysis Plan, Revision 3 (SAP), Las Vegas Wash* (Tetra Tech, October 2018) are shown on Figure 1. Tetra Tech collected 30 independent samples from ten sample locations within the Las Vegas Wash (the Wash) and a channel flowing into the Wash (C-1 Channel) on April 14 and 16, 2020. For samples from the Wash, each location was accessed either by wading into the Wash or by float tube. At each sample location, Tetra Tech measured the total depth of the Wash, recorded the water quality field parameters, and collected a sample. All samples were collected at the approximate mid-water depth using the discrete hand-grab sample technique described in the SAP. For samples from the C-1 Channel, the channel width, depth of water, and flow were measured and documented in the surface water sampling logs. The diameters of the C-1 Channel #1-W and #1-E were measured to be 2 feet.

Samples were stored in coolers at 4°C and transferred under chain-of-custody documentation to Eurofins Calscience Laboratory (ECL) in Irvine, California on the last day of sampling. All samples were analyzed for perchlorate, chlorate and total dissolved solids using EPA Methods 314.0, 300.1, and SM 2540C, respectively. The ECL laboratory reports are available for Ramboll via ECL's Total Access website.

Deviations from the Wash surface water sampling program encountered during the April 2020 sampling event include:

- Field personnel were not able to sample the designated location for LVW6.6-3 due to the presence of a sandbar at the sample location. The sandbar extended above the water surface; therefore, no surface water was present at the sample location. The sample was collected as close as possible to the original

Tetra Tech, Inc.
150 S. 4th Street, Unit A, Henderson, NV 89015
Tel 702-854-2295 tetratech.com

sample location. The sample location was recorded with a handheld GPS and the sample was collected at the coordinates 36.089462° N, 114.993152° W.

- There was no flow at location C-12 Channel #2; accordingly, a sample was not collected.

Surface water sampling logs are provided in Attachment A. Field investigation daily logs and calibration logs are included in Attachments B and C, respectively. The electronic data deliverable (EDD) with the recorded sample depths and field parameters will be transmitted in a separate Excel file.

CERTIFICATION

I hereby certify that I am responsible for the services described in this document and for the preparation of this document. The services described in this document have been prepared in a manner consistent with the current standards of the profession, and to the best of my knowledge, comply with all applicable federal, state, and local statutes, regulations, and ordinances. I hereby certify that all laboratory analytical data was generated by a laboratory certified by the NDEP for each constituent and media presented herein.

Description of Services Provided: Prepared April 2020 monthly Las Vegas Wash surface water sampling summary.

5/20/2020

Kyle Hansen, CEM
Field Operations Manager/Geologist
Tetra Tech, Inc.

Date

Nevada CEM Certificate Number: 2167
Nevada CEM Expiration Date: September 18, 2020

Figure

\\TTS134FS1\SUP-GIS\ARCPRJ2\INERT\MXD\SAMPLE_LOCATION_M15_MONTHLY_032018.MXD

Legend

- Monthly Sample Locations

TETRA TECH
www.tetratech.com
150 S. 4th Street, Unit A
Henderson, Nevada 89015
PHONE: (702) 854-2293

NEVADA ENVIRONMENTAL RESPONSE TRUST

LAS VEGAS WASH MONTHLY SAMPLING
HENDERSON, NEVADA

LAS VEGAS WASH SAMPLE POINT LOCATIONS

Project No.:	117-7502018
Date:	SEPTEMBER 17, 2018
Designed By:	ES
Figure No.	1

Attachment A
Surface Water Sampling Logs

TETRA TECH

SURFACE WATER SAMPLING LOG

NERT, Henderson, NV

Task Name: LVW Surface Water Sampling	Task Manager: Jesse Bunkers	Task No: M15	Date: 4/14/20
Field Samplers: JB, KH	Sampling Method: Dipper Bottle	Equipment Decon. Method: DI Rinse	

Time	Location ID	Depth of Water (ft)	Depth of Sample (ft)	Temp. (°C)	pH (pH Units)	Conductivity (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Color	Odor
0800	LVW0.55	1.6	0.8	18.1	7.78	1.747	9.14	99.9	2.79	clear	none
0850	LVW3.5-1	3.8	1.9	17.3	7.96	2.012	8.81	129.6	0.76	clear	none
0830	LVW3.5-2	2.2	1.1	17.1	7.93	2.025	8.84	138.7	1.02	clear	none
0830	LVW3.5-3	3.0	1.5	17.0	7.95	2.032	8.85	142.3	0.90	clear	none
0830	LVW3.5-4	2.6	1.3	17.1	7.95	2.032	9.90	146.0	2.55	clear	none
0830	LVW3.5-5	3.4	1.7	17.2	7.95	2.014	8.94	148.4	1.20	clear	none
0830	LVW3.5-6	3.8	1.9	17.3	7.95	2.020	8.86	149.8	17.66	clear	none
0930	LVW4.2-1	3.0	1.5	18.2	7.88	2.059	8.57	179.0	4.20	clear	none
0930	LVW4.2-2	4.2	2.1	18.4	7.90	2.057	8.67	185.2	1.03	clear	none
0930	LVW4.2-3	6.4	3.2	18.3	7.94	2.035	8.84	184.9	~~41.70~~ 0.85 KSH	clear	none
0930	LVW4.2-4	3.4	1.7	18.5	7.95	2.019	8.62	183.9	0.50	clear	none
1015	LVW4.75-1	1.6	0.8	18.7	7.99	2.096	8.84	174.0	3.36	clear	none
1015	LVW4.75-2	2.6	1.3	18.9	8.01	2.092	8.90	176.8	1.00	clear	none
1015	LVW4.75-3	1.6	0.8	18.6	8.03	2.078	9.02	180.6	0.55	clear	none
1015	LVW4.75-4	2.6	1.3	18.9	8.05	2.053	8.99	182.5	0.15	clear	none
1015	LVW4.75-5	2.0	1.0	19.1	8.04	2.057	8.97	183.9	0.12	clear	none

QA/QC Samples/ID: LVW0.55-0.8-20200414-FD	QA/QC Samples/ID:	QA/QC Samples/ID:
QA/QC Sample Time: 0800	QA/QC Sample Time:	QA/QC Sample Time:

C1-E	Flow (L/s):	C1-W	Flow (L/s):	C-12	Flow (L/s):
	Width (ft): ____ Depth (ft): ____		Width (ft): ____ Depth (ft): ____		Width (ft): ____ Depth (ft): ____

Observations/Comments:

TETRA TECH

SURFACE WATER SAMPLING LOG

NERT, Henderson, NV

Task Name: LVW Surface Water Sampling	Task Manager: Jesse Bunkers	Task No: M15	Date: 4/14/2020
Field Samplers: J. Bunkers / K. Hansen	Sampling Method: Dipper Bottle	Equipment Decon. Method: DI Rinse	

Time	Location ID	Depth of Water (ft)	Depth of Sample (ft)	Temp. (°C)	pH (pH Units)	Conductivity (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Color	Odor
1100	LVW 5.3-1	5.6	2.8	21.4	8.10	2.123	9.00	176.9	0.32	clear	none
1100	LVW 5.3-2	1.0	0.5	20.3	8.09	2.095	8.98	177.0	0.20	clear	none
1100	LVW 5.3-3	1.2	0.6	20.3	8.07	2.070	9.96	174.2	0.17	clear	none
1100	LVW 5.3-4	1.0	0.5	21.2	8.28	2.041	9.92	167.2	0.75	clear	none
1100	LVW 5.3-5	1.0	0.5	20.7	8.23	2.043	9.29	167.0	0.71	clear	none
1100	LVW 5.3-6	1.2	0.6	19.5	8.18	2.050	9.43	164.5	0.48	clear	none
1215	C1-E	0.0	0.0	22.2	7.92	4.198	8.25	212.7	0.50	clear	none
1215	C1-W	0.0	0.0	21.9	7.87	4.230	8.27	214.0	1.23	clear	none
1300	LVW 6.05	1.2	0.6	21.4	8.31	2.206	9.93	185.8	0.76	clear	none
1330	LVW 6.6-1	2.4	1.2	21.7	8.38	2.145	9.30	187.6	0.29	clear	none
1330	LVW 6.6-2	6.0	3.0	21.7	8.45	2020	9.61	187.9	0.53	clear	none
1330	LVW 6.6-3	1.0	0.5	21.7	8.43	2.097	9.54	190.6	0.09	clear	none

QA/QC Samples/ID: LVW6.05-06-20200414-FD	QA/QC Samples/ID: LVW605-20200414-FB	QA/QC Samples/ID:
QA/QC Sample Time: 1300	QA/QC Sample Time: 1300	QA/QC Sample Time:

C1-E	C1-W	C-12
Flow (L/s): 0.44	Flow (L/s): 2.57	Flow (L/s): No Flow
Width (ft): 0.52 Depth (ft): 0.035	Width (ft): 0.81 Depth (ft): 0.085	Width (ft): ____ Depth (ft): ____

Observations/Comments:

TETRA TECH

SURFACE WATER SAMPLING LOG

NERT, Henderson, NV

Task Name: LVW Surface Water Sampling	Task Manager: Jesse Bunkers	Task No: M15	Date: 4/16/2020
Field Samplers: J. Bunkers / K Hansen	Sampling Method: Dipper Bottle	Equipment Decon. Method: DI Rinse	

Time	Location ID	Depth of Water (ft)	Depth of Sample (ft)	Temp. (°C)	pH (pH Units)	Conductivity (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Color	Odor
0745	LVW7.2-	1.8	0.9	19.9	7.61	1.948	8.81	216.8	2.52	clear	None
0900	LVW8.85	1.8	0.9	21.5	7.79	1.847	9.12	162.7	9.03	clear	None

QA/QC Samples/ID: LVW7.2-09-20200416FD	QA/QC Samples/ID: LVW7.2-20200416FB	QA/QC Samples/ID:
QA/QC Sample Time: 0745	QA/QC Sample Time: 0745	QA/QC Sample Time:

C1-E	Flow (L/s): _____ Width (ft): _____ Depth (ft): _____	C1-W	Flow (L/s): _____ Width (ft): _____ Depth (ft): _____	C-12	Flow (L/s): _____ Width (ft): _____ Depth (ft): _____

Observations/Comments:

Attachment B
Field Investigation Daily Logs

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: LVW Surface Water Sampling	Task Manager: Jesse Bunkers	Date: 4/14/20
Field Personnel: J. Bunkers, K. Hansen		Task No: M15
Location: Las Vegas Wash		Reported by: Jesse Bunkers

Weather Conditions: 55-65°F Sunny, Breezy

Total Vehicle Mileage: 25

Task Visitors / Subcontractors: None

Matters of Safety:

Slips/Trips

Problems / Concerns and Corrective Actions Taken:

None

Time	Activities
0700	Meet Sampling team at T+ office, Tailgate safety meeting, gather supplies, mobe to NERT site storage container, gather supplies, mobe to Lake Mead
0800	Collect LVW0.55 + Field Dup, mobe to LVW3.5
0830	Collect LVW3.5-1 thru LVW3.5-6, mobe to LVW4.2
0930	Collect LVW4.2-1 thru LVW4.2-4, mobe to LVW4.75
1015	Collect Samples LVW4.75-1 thru LVW4.75-5, mobe to LVW5.3
1100	Collect samples LVW5.3-1 thru LVW5.3-6, mobe to C1 channel
1215	Collect samples and flow measurements for C1-E and C1-W. Flow not present at C-12 location

C1-E	Vol(L)	time(s)	Q(L/s)	C1-W	Vol(L)	time(s)	Q(L/s)
	3.2	7.35	.44		7.8	3.21	2.43
	2.7	6.30	.43		7.5	3.01	2.49
	2.9	6.32	.46		8.5	3.06	2.78
		Q avg = 0.44				Q avg = 2.57	

1300	Collect sample LVW6.05 & FD & FB, mobe to LVW6.6
1330	Collect Samples LVW6.6-1 thru LVW6.6-3, mobe to T+ office, store equipment and samples, calibrate YSI
1600	Offsite
	(LVW6.6-3 modified to 36.089462°N, 114.993152°W due to Sandbar)

☐ LVW8.85: 36.107231, -115.019994	☑ LVW5.3-6: 36.090660, -114.973903	☑ LVW4.2-2: 36.094817, -114.954612
☐ LVW7.2: 36.090604, -115.000302	☑ C1-E: 36.086147, -114.972022	☑ LVW4.2-3: 36.094978, -114.954716
☑ LVW6.6-1: 36.089145, -114.993282	☑ C1-W: 36.086147, -114.972022	☑ LVW4.2-4: 36.095108, -114.954806
☑ LVW6.6-2: 36.089351, -114.993309	☑ C12: 36.086125, -114.970255 No flow	☑ LVW3.5-1: 36.100422, -114.943298
☑ LVW6.6-3: 36.089485, -114.993333 Modified	☑ LVW4.75-1: 36.092979, -114.961810	☑ LVW3.5-2: 36.100459, -114.943329
☑ LVW6.05: 36.087849, -114.985682	☑ LVW4.75-2: 36.093130, -114.961928	☑ LVW3.5-3: 36.100548, -114.943390
☑ LVW5.3-1: 36.089867, -114.973112	☑ LVW4.75-3: 36.093277, -114.962051	☑ LVW3.5-4: 36.100585, -114.943405
☑ LVW5.3-2: 36.090072, -114.973322	☑ LVW4.75-4: 36.093431, -114.962174	☑ LVW3.5-5: 36.100606, -114.943451
☑ LVW5.3-3: 36.090218, -114.973467	☑ LVW4.75-5: 36.093580, -114.962301	☑ LVW3.5-6: 36.100645, -114.943493
☑ LVW5.3-4: 36.090367, -114.973612	☑ LVW4.2-1: 36.094695, -114.954570	☑ LVW0.55: 36.122158, -114.904631
☑ LVW5.3-5: 36.090513, -114.973758		

Prepared by: Jesse Bunkers Signature: [signature] Date: 4/14/20

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: LVW Surface Water Sampling	Task Manager: Jesse Bunkers	Date: 4/16/20
Field Personnel: JB, KH		Task No: M15
Location: Las Vegas Wash		Reported by: J. Bunkers

Weather Conditions: 60-75°F Sunny, Calm

Total Vehicle Mileage: 25

Task Visitors / Subcontractors: None

Matters of Safety:

Slips/Trips

Problems / Concerns and Corrective Actions Taken:

None

Time	Activities
0700	Meet Sampling team at TT office, Tailgate Safety meeting, gather supplies, make to LVW7.2
0745	Collect samples LVW7.2 and Field dup and Field Blank, make to LVW8.85
0900	Collect Sample LVW8.85, return to TT office, Store Supplies and samples
1200	Hand off samples to Eurofins courier
1300	Return rental equipment, process field documentation

☑ **LVW8.85:** 36.107231, -115.019994	☐ **LVW5.3-6:** 36.090660, -114.973903	☐ **LVW4.2-2:** 36.094817, -114.954612
☑ **LVW7.2:** 36.090604, -115.000302	☐ **C1-E:** 36.086147, -114.972022	☐ **LVW4.2-3:** 36.094978, -114.954716
☐ **LVW6.6-1:** 36.089145, -114.993282	☐ **C1-W:** 36.086147, -114.972022	☐ **LVW4.2-4:** 36.095108, -114.954806
☐ **LVW6.6-2:** 36.089351, -114.993309	☐ **C12:** 36.086125, -114.970255	☐ **LVW3.5-1:** 36.100422, -114.943298
☐ **LVW6.6-3:** 36.089485, -114.993333	☐ **LVW4.75-1:** 36.092979, -114.961810	☐ **LVW3.5-2:** 36.100459, -114.943329
☐ **LVW6.05:** 36.087849, -114.985682	☐ **LVW4.75-2:** 36.093130, -114.961928	☐ **LVW3.5-3:** 36.100548, -114.943390
☐ **LVW5.3-1:** 36.089867, -114.973112	☐ **LVW4.75-3:** 36.093277, -114.962051	☐ **LVW3.5-4:** 36.100585, -114.943405
☐ **LVW5.3-2:** 36.090072, -114.973322	☐ **LVW4.75-4:** 36.093431, -114.962174	☐ **LVW3.5-5:** 36.100606, -114.943451
☐ **LVW5.3-3:** 36.090218, -114.973467	☐ **LVW4.75-5:** 36.093580, -114.962301	☐ **LVW3.5-6:** 36.100645, -114.943493
☐ **LVW5.3-4:** 36.090367, -114.973612	☐ **LVW4.2-1:** 36.094695, -114.954570	☐ **LVW0.55:** 36.122158, -114.904631
☐ **LVW5.3-5:** 36.090513, -114.973758		

Prepared by: Jesse Bunkers Signature: JCB Date: 4/16/20

Attachment C
Calibration Logs

EQUIPCO
Rentals Sales Service

YSI ProDSS RENTAL
CALIBRATION CERTIFICATE

SERVICE TECHNICIAN: LD DATE: 4/9/20

RENTAL CUSTOMER: TETRA TECH

INSTRUMENT INFORMATION

RENTAL I.D. NUMBER: YSIPRODSS 41

SERIAL NUMBER: 19J10100|

CALIBRATION INFORMATION

PARAMETER:	STANDARD:	PASS	LOT #
1. CONDUCTIVITY	1,000 µMhos	✓	039920
2. pH ZERO	pH 7	✓	038497
pH SLOPE	pH 4	✓	035201
pH SLOPE	pH 10	✓	57332
3. DISSOLVED OXYGEN	Air Calibration Barometric pressure = 760mmHg	✓	N/A
DISSOLVED OXYGEN ZERO TEST	(Sodium Sulfite)	~	N/A
4. TURBIDITY ZERO	0.0 NTU's	✓	4920
TURBIDITY SPAN	100 NTU's	✓	4920
5. REDOX (ORP)	231mV (YSI Zobell solution)	✓	032420

2100 Meridian Park Blvd, Concord, CA 94520 Phone (888) 234-5678 Fax (925) 305-1301

TETRA TECH

CALIBRATION LOG - WATER QUALITY METER

NERT, Henderson, NV

Task Name: LVW Surface Water Sampling	Task No.: M15	Rental from: EQUIPCO	Task Manager: Jesse Bunkers
Field Personnel: JB, KH		Serial Number: YSIPRODSS, 41	Type: YSI ProDSS

			Pre-Calibration							Post-Calibration						
Date	Time	Temp (°C)	pH (pH = 4.0)	pH (pH = 7.0)	pH (pH = 10.0)	ORP (mV)	Cond. (mS/cm)	DO (%)	Turbidity (NTU)	pH (pH = 4.0)	pH (pH = 7.0)	pH (pH = 10.0)	ORP (mV)	Cond. (mS/cm)	DO (%)	Turbidity (NTU)
4/16/20	0640	21.2	4.07	7.03	9.70	233.5	1.075	91.7	-2.02	4.05	7.02	9.98	234.0	1.043	100	8.00

Notes:

TETRA TECH

TECHNICAL MEMORANDUM

To:	**Chris Ritchie, Ramboll**
Cc:	Steve Clough, Nevada Environmental Response Trust Annika Deurlington, Jesse King, Emeryville Lab Data, Ramboll David Bohmann, Tetra Tech
From:	Jesse Bunkers and James Roman
Date:	June 30, 2020
Subject:	**May 2020 Second Quarter/Annual Groundwater Monitoring Summary** **Nevada Environmental Response Trust Site** **Henderson, NV**

2020 SECOND QUARTER/ANNUAL GROUNDWATER MONITORING SUMMARY

At the direction of the Nevada Environmental Response Trust (NERT or Trust), Tetra Tech, Inc. (Tetra Tech) has prepared this summary of the 2020 Second Quarter/Annual groundwater monitoring event for the NERT Site. This monitoring event included depth-to-water measurements, transducer data downloads, and low-flow groundwater sampling performed in accordance with the following Ramboll documents:

- *Remedial Performance Groundwater Sampling and Analysis Plan (SAP), Revision 1,* dated March 2020,
- *Field Guidance Document (FGD) No. 008 – Groundwater and Free Product Level Measurements,* dated March 2020, and*;*
- *FGD No. 005 – Low-Flow Groundwater Sampling,* dated March 2020*.*

Specifics regarding the depth-to-groundwater measurements, transducer data downloads, and low-flow groundwater sampling are described below.

Depth-to-Water Measurements

Figure 1 identifies the 392 well locations requiring depth-to-water measurements as part of the Second Quarter/Annual groundwater monitoring event as detailed in Table 6 (Annual Groundwater Monitoring Program Summary) of the SAP. Depth-to-water measurements were conducted between May 27 and May 29, 2020, with measurements obtained from 385 of the 392 wells. Water level measurements were not collected from the following wells:

- AA-11, M-96, M-100, M-101, and PC-146 were dry. Consequently, depth-to-water measurements could not be recorded for these wells.

Tetra Tech, Inc.
150 S. 4th Street, Unit A, Henderson, NV 89015
Tel 702-854-2295 tetratech.com

- BEC-10 and DBMW-12 are installed in an area with active housing construction and could not be located.

The following observations were made on the condition of the wells:

- HMW-13 has a broken PVC casing approximately 3 feet below ground surface. This well should be repaired to maintain its integrity.
- TR-1 has a water pressure gauge that appears to be incorrectly measuring zero pressure. The water in the well was under pressure at the time of sampling with water flowing freely from the sampling port upon opening. The water pressure gauge should be examined and potentially replaced for accurate, future measurements at this well.
- M-141 well cap appeared to have an improper seal. The well cap should be replaced to maintain the integrity of the well.

Field water level measurement logs are included as Attachment A and the field investigation daily logs for the synoptic water level event are included as Attachment B. The electronic data deliverable (EDD) with the recorded depth to water data is transmitted separately via email as an Excel file.

Transducer Data Downloads

The 81 well locations identified for transducer data downloads are shown in Figure 1. Data downloads were performed at 76 wells between May 3 and June 22, 2020. Transducer data were not downloaded from the following wells:

- DBMW-10, WMW6.55S, and MC-50 did not have a transducer installed.
- S4.65 SW and S4.75 SW could not be located due to the dense vegetation along the banks of the Las Vegas Wash.

Sixteen transducers experienced connectivity issues that prevented the memory from being cleared and logging restarted. The data were downloaded successfully from these transducers and the transducers were redeployed to continue logging data. The transducers that experienced connectivity issues were located in the following wells:

- NERT3.35S1
- NERT3.40S1
- NERT3.58N1
- NERT3.58S1
- NERT3.60N1
- NERT3.60S1
- NERT3.63S1
- NERT3.98S1
- NERT4.64S1
- S3.75 SW
- S3.80 SW
- S4.60 SW
- NERT3.80S1
- NERT4.21N1
- NERT4.51S1
- NERT4.71S1

Twenty-four transducers and one barometer were found to be approximately 1 hour behind the current time. Interpretation of the data should account for this offset. The date and time of the barometer and transducers were synchronized with the field laptops at the following wells:

- AA-30
- COH-2B1

- LNDMW-1
- LNDMW-2
- MW-13
- MW-20
- NERT4.38N1
- NERT4.64N1
- NERT4.70N1
- NERT4.71N1
- NERT4.93S1
- NERT5.11S1
- NERT5.49S1
- NERT5.91S1
- PC-74
- WMW3.5N
- WMW3.5S
- WMW4.9N
- WMW4.9S
- WMW4.9S (barometer)
- WMW5.58S
- WMW5.5S
- WMW6.15N
- WMW6.9N
- WMW6.9S

The following observations were made during the transducer data downloads:

- LNDMW-2, WMW5.7N, S3.60 SW, and S5.30 SW transducers were observed to have stopped logging data prior to the Second Quarter/Annual event but were successfully restarted.
- S3.60 SW, S3.80 SW, S4.60 SW, and S5.30 SW were silted in the stilling wells in which they were installed. These stilling wells should be cleaned out or replaced.
- WMW5.7N had no lock on its stick-up well cover. A new lock should be installed at this well to protect the well and underlying groundwater. This well is owned by SNWA.

The transducer data download logs are provided in Attachment C. The electronic transducer data download files were transmitted separately to Ramboll via email on June 11, 2020.

Low-flow Groundwater Sampling

Figure 1 identifies the 369 wells scheduled to be sampled using low-flow groundwater sampling techniques during the Second Quarter/Annual monitoring event. Sampling was conducted from May 4 to May 22, 2020, with samples collected from 354 of the 369 wells. Groundwater samples were not collected from the following wells:

- The following wells were dry or had insufficient water for sampling:
    - AA-11
    - AA-18
    - ARP-4A
    - DBMW-10
    - M-21
    - M-95
    - M-96
    - M-98
    - M-100

  - M-101
  - PC-1
  - PC-146
  - PC-147

- The following wells are installed in an area with active housing construction and could not be located:
  - BEC-10
  - DBMW-12

In addition, the following observations were made during the low-flow groundwater sampling:

- H-28A, HMW-14, M-23, M-81A, and PC-1 did not have well caps. Well caps should be installed to maintain the integrity of these wells.
- ES-47, H-28A, HMW-15, M-23, M-81A, M-123, M-124, M-125, M-160, MW-16, PC-86, and PC-160 did not have locks on the stick-up well covers. Locks should be installed to protect these wells.
- M-96 flush-mounted vault lid was missing. A lid should be installed to maintain the integrity of the well.
- M-145, M-190, PC-50, PC-54, PC-123, PC-129, PC-132, and PC-135A contained standing water within their respective well vaults. All these wells appeared to have adequate well caps on the top of the PVC casing and standing water was removed from inside the well vaults before removing the well caps. The lid seals should be replaced to prevent the intrusion of surface water.
- PC-71 and PC-72 bolts were rusted. The bolts should be replaced to ensure a proper flush-mounted vault lid seal.
- PC-132 and PC-143 bolts were missing. New bolts should be installed to ensure a proper flush-mounted vault lid seal.
- PC-134A concrete pad surface was labeled as “PC-135B”; however, the well cap was labeled “PC-134A”. PC-134A was confirmed to be incorrectly labeled on the concrete pad. The concrete pad surface label should be corrected to minimize potential confusion during future sampling events.
- UFMW-01D is one of three nested wells within a single flush mount casing. Voids were observed in the surface seal between the well casings. The well nest surface seal should be repaired to maintain integrity of the wells.
- M-152, M-156, M162D, and M-44 recorded higher than expected pH values. The anomalous pH values appear to be due to the malfunction of a water quality meter on May 12, 2020. Review of previous and subsequent pH measurements at these wells indicate that the pH data collected on May 12, 2020 should be not be considered representative for these wells.

Tetra Tech identified dedicated tubing to be present in or stored offsite for 216 of the 354 wells sampled while dedicated pumps were observed in an additional 39 wells. Dedicated tubing was installed in the remaining 99 wells during sampling to continue the Trust’s efforts to reduce resource consumption at the NERT Site. All of the wells that were sampled during the Second Quarter/Annual monitoring event now have dedicated tubing or a dedicated pump. Furthermore, the metal grab plates generated during this groundwater sampling event were recycled after use.

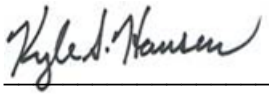
The field investigation daily logs for the groundwater sampling efforts are included as Attachment D, the low-flow water purging and sampling logs are included as Attachment E, and equipment calibration logs are included as Attachment F. The field parameter EDDs will be transmitted as a separate file.

Samples were stored in coolers at 4°C and transferred daily under chain-of-custody documentation to Eurofins Calscience Laboratory (ECL) in Irvine, California, from May 4 through May 22, 2019. The samples were submitted for analysis of the parameters identified in the SAP for the Second Quarter/Annual monitoring event. The ECL laboratory reports are available for Ramboll via ECL’s Total Access website.

CERTIFICATION

I hereby certify that I am responsible for the services described in this document and for the preparation of this document. The services described in this document have been prepared in a manner consistent with the current standards of the profession, and to the best of my knowledge, comply with all applicable federal, state, and local statutes, regulations, and ordinances. I hereby certify that all laboratory analytical data was generated by a laboratory certified by the NDEP for each constituent and media presented herein.

Description of Services Provided: Prepared summary of 2020 Second Quarter/Annual Groundwater Monitoring Event.



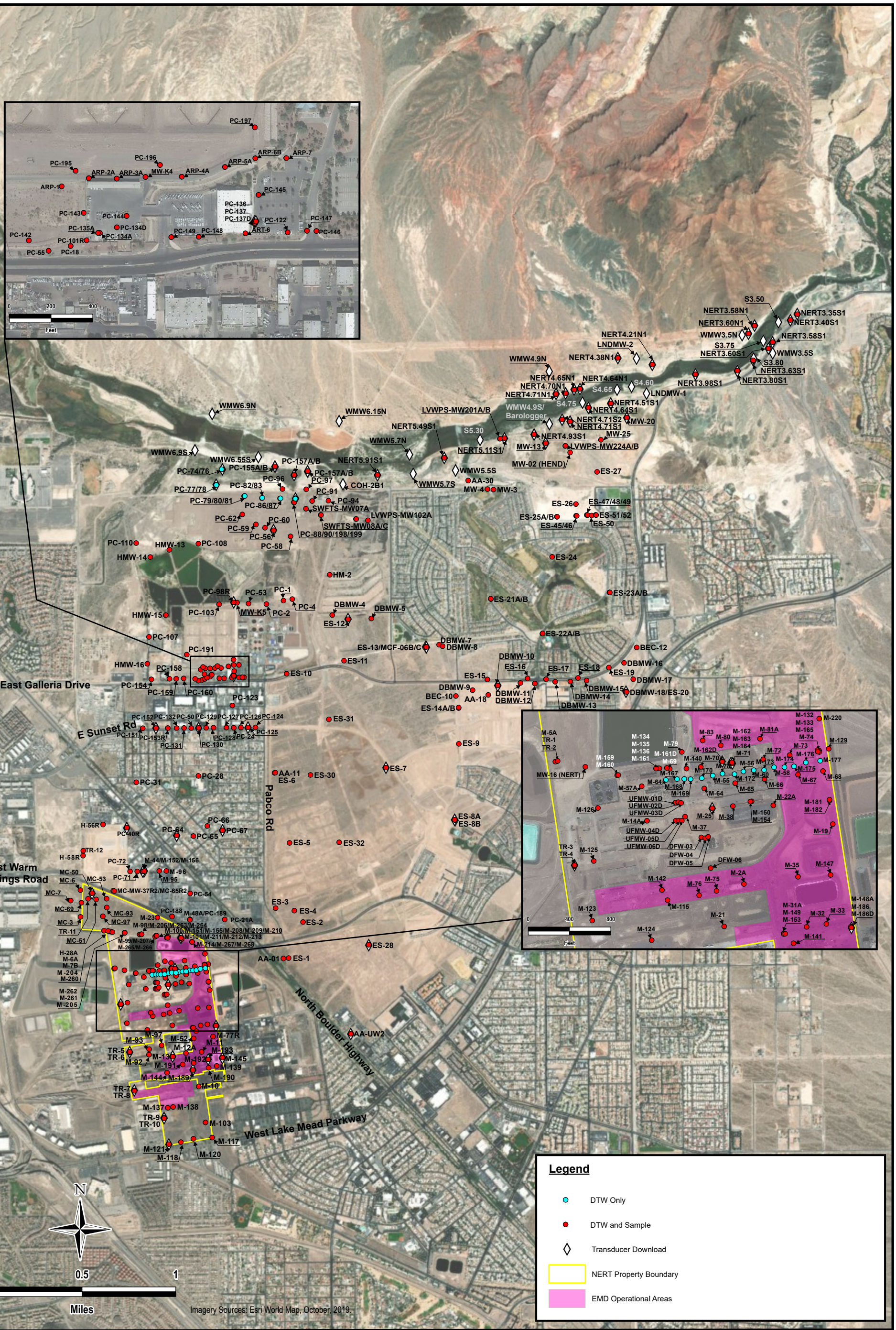
12/5/2020

Kyle Hansen, CEM
Field Operations Manager/Geologist
Tetra Tech, Inc.

Date

Nevada CEM Certificate Number: 2167
Nevada CEM Expiration Date: September 18, 2020

Figure



Legend

- DTW Only
- DTW and Sample
- Transducer Download
- NERT Property Boundary
- EMD Operational Areas

C:\USERS\ELLYN.SWENSON\DESKTOP\H02 ANNUAL 2020 FIGURES\MXD\FIG01_ANNUALWELLS_REPORTFIGURE_0610.MXD

TETRA TECH
www.tetratech.com

150 S. 4th Street, Unit A
Henderson, Nevada 89015
Phone: (702) 854-2293

NEVADA ENVIRONMENTAL RESPONSE TRUST

GROUNDWATER MONITORING PROGRAM
HENDERSON, NEVADA

SECOND QUARTER GROUNDWATER MONITORING LOCATIONS

Project No.:	117-7502020
Date:	JUNE 10, 2020
Designed By:	ES

Figure No.
1

Attachment A
Field Water Level Measurement Logs

TETRA TECH

WELL WATER LEVEL MEASUREMENT LOG

Task Name: GW Monitoring	Task No: H02	Date: 5/27/20
Task Manager: Jesse Bunkers	Location: Site Wide	
Equipment Model/Type: Solinst Water Level Meter	Serial Number: 4729	Recorded by: Anthony Camacho

Time	Well ID	Measuring Point	Depth to Static Water Level (ft BMP)	Total Depth (ft BMP)	Condition of Well and Well Seal	Dedicated Tubing (Y/N)
0738	PC-158	TOC	12.18	21.03	good	Y
0751	PC-154	TOC	10.09	22.65	good	Y
0807	HMW-16	TOC	8.87	25.83	good	
0820	PC-107	TOC	~~25.65~~ 9.31	12.57	good	Y
0843	HMW-15	TOC	9.92	24.78	good	Y
0855	HMW-13	TOC	14.55	24.76	broken cap	Y
0901	HMW-14	TOC	16.86	40.74	good	Y
0917	ES-31	TOC	43.23	78.31	good	Y
0938	ES-7	TOC	52.41	81.85	good	Y
0949	ES-9	TOC	61.43	99.53	good	Y
1001	ESA	TOC	47.67	82.56	good	Y
1009	~~ES-8B~~	TOC	47.85	112.79	good	Y
1029	AA-11	TOC	—	31.54	good	Y
1035	ES-6	TOC	32.91	77.87	good	Y
1055	ES-30	TOC	53.48	96.00	good	Y
1107	ES-5	TOC	36.53	87.65	good	Y
1116	ES-32	TOC	48.72	99.61	good	Y
1136	ES-3	TOC	37.19	97.97	good	Y
1144	ES-4	TOC	41.00	92.44	good	Y
1150	ES-2	TOC	46.63	98.04	good	Y
1201	PC-123	TOC	23.04	36.45	good	Y
1228	PC-124	TOC	25.37	35.47	good	Y
1232	PC-125	TOC	23.56	33.26	good	
1236	PC-126	TOC	22.47	33.64	good	Y
1243	PC-24	TOC	21.07	26.94	good	Y
1250	PC-127	TOC	19.07	34.94	good	Y
1256	PC-128	TOC	19.01	34.78	good	Y
1301	PC-129	TOC	19.40	38.13	good	Y
1304	PC-130	TOC	20.57	29.65	good	Y
1310	PC-50	TOC	13.26	37.25	good	Y
1320	PC-131	TOC	11.76	37.92	good	Y
1334	PC-132	TOC	10.04	36.86	good	Y
1345	PC-153R	TOC	9.60	29.36	good	Y
1430	BEC-10	TOC			Inaccessible due to construction	
1445	DBMW-12	TOC			Inaccessible due to construction	
		TOC				

BMP = Below Measuring Point

TOC = Top of Casing (Well Riser)

TETRA TECH

WELL WATER LEVEL MEASUREMENT LOG

Task Name: GW Monitoring	Task No: H02	Date: 5/27/20
Task Manager: Jesse Bunkers	Location: Site Wide	
Equipment Model/Type: Solinst Water Level Meter	*Serial Number:* 269523	*Recorded by:* J. Bunkers

Time	Well ID	Measuring Point	Depth to Static Water Level (ft BMP)	Condition of Well and Well Seal	Dedicated Tubing (Y/N)
0752	M-129	TOC	28.49	Good	DP
		TOC			
		TOC			
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BMP = Below Measuring Point TOC = Top of Casing (Well Riser)

TETRA TECH

WELL WATER LEVEL MEASUREMENT LOG

Task Name: GW Monitoring	Task No: H02	Date: 5/27/20
Task Manager: Jesse Bunkers	Location: Site Wide	
Equipment Model/Type: Solinst Water Level Meter	*Serial Number:* 321672	*Recorded by:* Kyle Hansen

Time	Well ID	Measuring Point	Depth to Static Water Level (ft BMP)	Total Depth (ft BMP)	Condition of Well and Well Seal	Dedicated Tubing (Y/N)
0650	M-12A	TOC	41.98	51.20	Good	Y
0920	ART-6	TOC	34.33	40.00	Good, offsite storage of tubing	Y
		TOC				
		TOC				
		TOC				
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BMP = Below Measuring Point TOC = Top of Casing (Well Riser)

TETRA TECH

WELL WATER LEVEL MEASUREMENT LOG

Page ___ of ___

Task Name: GW Monitoring	Task No: H02	Date: 5/27/20
Task Manager: Jesse Bunkers	Location: Site Wide	
Equipment Model/Type: Solinst Water Level Meter	Serial Number: 36535	Recorded by: A. Morgan

Time	Well ID	Measuring Point	Depth to Static Water Level (ft BMP)	Total Depth (ft BMP)	Condition of Well and Well Seal	Dedicated Tubing (Y/N)
0757	PC-152	TOC	8.41	29.45	good	Y
0803	PC-151	TOC	7.14	27.55	good	Y
0814	PC-31	TOC	10.95	46.11	good	Y
0823	PC-28	TOC	16.63	18.96	good	Y
0832	PC-67	TOC	15.57	30.37	good	Y
0842	PC-66	TOC	14.60	26.31	good	Y
0858	PC-65	TOC	16.66	18.95	good	Y
0911	PC-64	TOC	11.40	17.68	good	Y
1016	PC-40R	TOC	20.20	54.87	good	Y
1031	PC-72	TOC	27.58	36.09	good	Y
1053	PC-71	TOC	25.11	29.65	good	Y
1102	M-156	TOC	17.81	197.54	good / did not put DP Historical T.D noted	Y
1108	M-154	TOC	24.16	147.71	good / DP Historical TD noted.	Y
1112	M-44	TOC	22.51	34.24	good	Y
1133	MC-65R2	TOC	30.77	46.78	good	Y
1143	MC-MW-37R2	TOC	30.54	63.25	good	Y
1206	H-56R	TOC	18.13	47.91	good	Y
1238-1243	TR-12	TOC	7.2 (PSI)	~~7.2 (PSI)~~	good / artesian	Y
1225	H-58R	TOC	27.95	38.95	good	Y
1316	M-96	TOC	DRY	16.55	casing slightly bent	Y
1334	M-95	TOC	18.86	20.02	good	Y
1345	PC-54	TOC	24.55	34.53	good / DTW verified	Y
1429	M-23	TOC	33.55	44.77	good	Y
1438	MC-97	TOC	35.81	41.96	good	Y
1444	MC-93	TOC	32.65	41.90	good	Y
1452	MC-53	TOC	31.12	40.00	good / DTW verified	Y
1505	MC-51	TOC	30.36	45.05	good	Y
1518-1523	TR-11	TOC	4.8 (PSI)	—	good / artesian	Y
~~—~~	~~MC-50~~	TOC				
1531	MC-6	TOC	27.94	39.03	good	Y
1539	MC-69	TOC	31.04	41.69	good	Y
1544	MC-7	TOC	27.11	40.60	good	Y
1552	MC-3	TOC	33.78	43.94	good / DTW verified	Y
		TOC				
		TOC				
		TOC				

BMP = Below Measuring Point TOC = Top of Casing (Well Riser)

TETRA TECH

WELL WATER LEVEL MEASUREMENT LOG

Task Name: GW Monitoring	Task No: H02	Date: 05/27/2020
Task Manager: Jesse Bunkers	Location: Site Wide	
Equipment Model/Type: Solinst Water Level Meter	Serial Number: 5903	Recorded by: PATRICK OWEN

Time	Well ID	Measuring Point	Depth to Stable Water Level (ft BMP)	Total Depth (ft BMP)	Condition of Well and Well Seal	Dedicated Tubing (Y/N)
09:25	NERT 2.5 N1	TOC	39.55	64.8	GOOD	Y
08:45	NERT 3.6 N1	TOC	38.00	56.4	GOOD	Y
08:55	NERT 4.2 N1	TOC	34.90	59.5	GOOD	Y
9:08	NERT 4.38 N1	TOC	32.35	43.4	GOOD	Y
9:19	NERT 4.64 N1	TOC	23.50	48.8	GOOD	Y
9:26	NERT 4.65 N1	TOC	24.50	48.8	GOOD	Y
	~~NERT 4.67~~ DO	TOC				
9:36	NERT 4.70 N1	TOC	24.95	47.3	GOOD	Y
9:43	NERT 4.71 N1	TOC	27.80	48.8	GOOD	Y
11:23	NERT 3.35 S1	TOC	17.25	58.6	GOOD	Y
11:30	NERT 3.40 S1	TOC	38.45	59.8	GOOD	Y
11:42	NERT 3.58 S1	TOC	31.70	61.4	GOOD	N
11:49	NERT 3.60 S1	TOC	38.40	59.7	GOOD	N
11:56	NERT 3.63 S1	TOC	18.30	37.2	GOOD	Y
12:04	NERT 3.80 S1	TOC	9.30	20.2	MEASUREMENT MARKING NOT VIS.	Y
12:12	NERT 3.98 S1	TOC	10.50	37.4	GOOD	N
12:30	NERT 4.51 S1	TOC	26.00	52.4	MEASUREMENT MARKING NOT VISIBLE	Y
12:42	NERT 4.64 S1	TOC	27.10	58.9	GOOD	Y
12:52	NERT 4.71 S1	TOC	28.80	30.6	GOOD	Y
13:00	NERT 4.71 S2	TOC	27.30	59.0	GOOD	Y
13:09	NERT 4.93 S1	TOC	27.55	57.8	GOOD	Y
13:20	NERT 5.11 S1	TOC	20.75	57.3	" "	Y
13:25	LVWPS-MW201A	TOC	18.95	50.6	" "	Y
13:30	LVWPS-MW201B	TOC	19.50	25.5	GOOD	Y
14:02	AA-30	TOC	17.45	173.1	GOOD	Y
14:16	NERT 5.49 S1	TOC	26.50	43.4	" "	Y
14:24	NERT 5A1 S1	TOC	13.30	52.9	" "	Y
15:54	MW-20	TOC	32.50	68.7	GOOD	N
15:45	MW-25	TOC	39.25	59.2	GOOD	Y
15:26	LVWPS-MW224A	TOC	34.60	76.0	" "	Y
15:30	LVWPS-MW224B	TOC	34.35	128.0	" "	Y
	MW-13	TOC			LOCK BROKEN, CAN'T ACCESS	
15:14	MW-02 (HEAD)	TOC	39.50	45.8	GOOD	Y
15:00	ES-27	TOC	45.60	90.4	GOOD	Y
		TOC				
		TOC				

BMP = Below Measuring Point

TOC = Top of Casing (Well Riser)

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Well and Site Information

Well and Site Information - M-140	
Parameter	**Value**
TASK NAME	GW Monitoring
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/27/2020 Wednesday M-140
FIELD TEAM	A. Crockett
WELL ID	M-140
LOCATION COORDINATES	Latitude=36.0488157177686, Longitude=-115.003971371876, Accuracy=0, Altitude=1745.82, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
MEASUREMENT_DATE	5/27/2020 8:09:00 AM
DEDICATED TUBING PRESENT (Y/N)	Yes dedicated tubing is present
HISTORICAL TOTAL DEPTH (FT)	43.9
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 24.51 - 35.75
REFERENCE ELEVATION	1748.27
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	31.75
TOTAL DEPTH OF WELL	43.9
GROUNDWATER ELEVATION	1716.52
GENERAL COMMENTS	WELL HAS A DEDICATED PUMP; DID NOT MEASURE TOTAL DEPTH

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Well and Site Information

Well and Site Information - M-70	
Parameter	**Value**
TASK NAME	GW Monitoring
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/27/2020 Wednesday M-70
FIELD TEAM	A. Crockett
WELL ID	M-70
LOCATION COORDINATES	Latitude=36.0488134282394, Longitude=-115.003497783283, Accuracy=0, Altitude=1746.82, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
MEASUREMENT_DATE	5/27/2020 8:37:00 AM
DEDICATED TUBING PRESENT (Y/N)	Yes dedicated tubing is present
HISTORICAL TOTAL DEPTH (FT)	40.2
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 30.54 - 36.16
REFERENCE ELEVATION	1748.31
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	32.28
TOTAL DEPTH OF WELL	40.2
GROUNDWATER ELEVATION	1716.03
GENERAL COMMENTS	DEDICATED PUMP; COULD NOT MEASURE TOTAL DEPTH

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Well and Site Information

Well and Site Information - M-162	
Parameter	**Value**
TASK NAME	GW Monitoring
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/27/2020 Wednesday M-162
FIELD TEAM	A. Crockett
WELL ID	M-162
LOCATION COORDINATES	Latitude=36.0489315184409, Longitude=-115.002451330375, Accuracy=0, Altitude=1745.69, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
MEASUREMENT_DATE	5/27/2020 8:53:00 AM
DEDICATED TUBING PRESENT (Y/N)	Yes dedicated tubing is present
HISTORICAL TOTAL DEPTH (FT)	110
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 20.91 - 31.41
REFERENCE ELEVATION	1747.82
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	21.56
TOTAL DEPTH OF WELL	110
GROUNDWATER ELEVATION	1726.26
GENERAL COMMENTS	DEDICATED PUMP; TOTAL DEPTH NOT MEASURED

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Well and Site Information

Well and Site Information - M-163	
Parameter	**Value**
TASK NAME	GW Monitoring
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/27/2020 Wednesday M-163
FIELD TEAM	A. Crockett
WELL ID	M-163
LOCATION COORDINATES	Latitude=36.04891566, Longitude=-115.0024604, Accuracy=0, Altitude=1745.62, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
MEASUREMENT_DATE	5/27/2020 8:57:00 AM
DEDICATED TUBING PRESENT (Y/N)	Yes dedicated tubing is present
HISTORICAL TOTAL DEPTH (FT)	90
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 26.78 - 31.66
REFERENCE ELEVATION	1747.95
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	26.08
TOTAL DEPTH OF WELL	90
GROUNDWATER ELEVATION	1721.87
GENERAL COMMENTS	DEDICATED PUMP; TOTAL DEPTH NOT MEASURED. DEPTH TO WATER CONFIRMED ON RE CHECK.

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Well and Site Information

Well and Site Information - M-164	
Parameter	**Value**
TASK NAME	GW Monitoring
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/27/2020 Wednesday M-164
FIELD TEAM	A. Crockett
WELL ID	M-164
LOCATION COORDINATES	Latitude=36.0489412870445, Longitude=-115.00247734077, Accuracy=0, Altitude=1745.16, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
MEASUREMENT_DATE	5/27/2020 9:03:00 AM
DEDICATED TUBING PRESENT (Y/N)	Yes dedicated tubing is present
HISTORICAL TOTAL DEPTH (FT)	70
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 33.72 - 35.84
REFERENCE ELEVATION	1747.61
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	33.40
TOTAL DEPTH OF WELL	70
GROUNDWATER ELEVATION	1714.21
GENERAL COMMENTS	DEDICATED PUMP; TOTAL DEPTH NOT MEASURED. DEPTH TO WATER CONFIRMED ON RE CHECK.

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Well and Site Information

Well and Site Information - M-72	
Parameter	**Value**
TASK NAME	GW Monitoring
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/27/2020 Wednesday M-72
FIELD TEAM	A. Crockett
WELL ID	M-72
LOCATION COORDINATES	Latitude=36.0490782203185, Longitude=-115.001449182857, Accuracy=0, Altitude=1745.01, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
MEASUREMENT_DATE	5/27/2020 9:20:00 AM
DEDICATED TUBING PRESENT (Y/N)	Yes dedicated tubing is present
HISTORICAL TOTAL DEPTH (FT)	35
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 30.58 - 32.71
REFERENCE ELEVATION	1746.51
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	31.33
TOTAL DEPTH OF WELL	35
GROUNDWATER ELEVATION	1715.18
GENERAL COMMENTS	DEDICATED PUMP; TOTAL DEPTH NOT MEASURED

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Well and Site Information

Well and Site Information - M-71	
Parameter	**Value**
TASK NAME	GW Monitoring
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/27/2020 Wednesday M-71
FIELD TEAM	A. Crockett
WELL ID	M-71
LOCATION COORDINATES	Latitude=36.0488086469162, Longitude=-115.002510012961, Accuracy=0, Altitude=1744.94, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
MEASUREMENT_DATE	5/27/2020 9:33:00 AM
DEDICATED TUBING PRESENT (Y/N)	Yes dedicated tubing is present
HISTORICAL TOTAL DEPTH (FT)	42.2
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 32.04 - 36.57
REFERENCE ELEVATION	1747.11
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	34.82
TOTAL DEPTH OF WELL	42.2
GROUNDWATER ELEVATION	1712.29
GENERAL COMMENTS	AQUATROLL INSTALLED; TOTAL DEPTH NOT MEASURED

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Well and Site Information

Well and Site Information - M-162D	
Parameter	**Value**
TASK NAME	GW Monitoring
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/27/2020 Wednesday M-162D
FIELD TEAM	A. Crockett
WELL ID	M-162D
LOCATION COORDINATES	Latitude=36.0490847472688, Longitude=-115.002795531731, Accuracy=0, Altitude=1745.04, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
MEASUREMENT_DATE	5/27/2020 9:38:00 AM
DEDICATED TUBING PRESENT (Y/N)	No, dedicated tubing is not present.
HISTORICAL TOTAL DEPTH (FT)	140
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 9.7 - 10.67
REFERENCE ELEVATION	1747.44
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	9.25
TOTAL DEPTH OF WELL	142.75
GROUNDWATER ELEVATION	1738.19
GENERAL COMMENTS	TOTAL DEPTH CONFIRMED ON RE CHECK

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Well and Site Information

Well and Site Information - M-64	
Parameter	**Value**
TASK NAME	GW Monitoring
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/27/2020 Wednesday M-64
FIELD TEAM	A. Crockett
WELL ID	M-64
LOCATION COORDINATES	Latitude=36.0482634728181, Longitude=-115.003390181698, Accuracy=0, Altitude=1752.63, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
MEASUREMENT_DATE	5/27/2020 9:59:00 AM
DEDICATED TUBING PRESENT (Y/N)	Yes dedicated tubing is present
HISTORICAL TOTAL DEPTH (FT)	37.5
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 26 - 30.9
REFERENCE ELEVATION	1752.37
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	26.44
TOTAL DEPTH OF WELL	35.90
GROUNDWATER ELEVATION	1725.93

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Well and Site Information - M-65	
Parameter	**Value**
TASK NAME	GW Monitoring
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/27/2020 Wednesday M-65
FIELD TEAM	A. Crockett
WELL ID	M-65
LOCATION COORDINATES	Latitude=36.0483866091565, Longitude=-115.002376140637, Accuracy=0, Altitude=1752.1, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
MEASUREMENT_DATE	5/27/2020 10:12:00 AM
DEDICATED TUBING PRESENT (Y/N)	Yes dedicated tubing is present
HISTORICAL TOTAL DEPTH (FT)	39
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 30.28 - 34.01
REFERENCE ELEVATION	1753.91
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	28.71
TOTAL DEPTH OF WELL	41.40
GROUNDWATER ELEVATION	1725.2
GENERAL COMMENTS	DEPTH TO WATER AND TOTAL DEPTH CONFIRMED ON RE CHECK.

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Well and Site Information - M-66	
Parameter	**Value**
TASK NAME	GW Monitoring
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/27/2020 Wednesday M-66
FIELD TEAM	A. Crockett
WELL ID	M-66
LOCATION COORDINATES	Latitude=36.0485286244534, Longitude=-115.001416015977, Accuracy=0, Altitude=1751.68, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
MEASUREMENT_DATE	5/27/2020 10:24:00 AM
DEDICATED TUBING PRESENT (Y/N)	Yes dedicated tubing is present
HISTORICAL TOTAL DEPTH (FT)	42.5
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 29.92 - 32.13
REFERENCE ELEVATION	1754.03
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	28.85
TOTAL DEPTH OF WELL	42.5
GROUNDWATER ELEVATION	1725.18
GENERAL COMMENTS	DEDICATED PUMP; TOTAL DEPTH NOT MEASURED. DEPTH TO WATER CONFIRMED ON RE CHECK.

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Well and Site Information - M-166	
Parameter	**Value**
TASK NAME	GW Monitoring
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/27/2020 Wednesday M-166
FIELD TEAM	A. Crockett
WELL ID	M-166
LOCATION COORDINATES	Latitude=36.0485442611601, Longitude=-115.004646554969, Accuracy=0, Altitude=1751.45, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
MEASUREMENT_DATE	5/27/2020 11:08:00 AM
DEDICATED TUBING PRESENT (Y/N)	No, dedicated tubing is not present.
HISTORICAL TOTAL DEPTH (FT)	32
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 27.01 - 30.87
REFERENCE ELEVATION	1751.01
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	29.17
TOTAL DEPTH OF WELL	31.80
GROUNDWATER ELEVATION	1721.84

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Well and Site Information - M-167	
Parameter	**Value**
TASK NAME	GW Monitoring
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/27/2020 Wednesday M-167
FIELD TEAM	A. Crockett
WELL ID	M-167
LOCATION COORDINATES	Latitude=36.0485424971856, Longitude=-115.004281216403, Accuracy=0, Altitude=1749.78, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
MEASUREMENT_DATE	5/27/2020 11:20:00 AM
DEDICATED TUBING PRESENT (Y/N)	No, dedicated tubing is not present.
HISTORICAL TOTAL DEPTH (FT)	30
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 25 - 30.02
REFERENCE ELEVATION	1749.99
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	27.08
TOTAL DEPTH OF WELL	30.2
GROUNDWATER ELEVATION	1722.91

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Well and Site Information - M-168	
Parameter	**Value**
TASK NAME	GW Monitoring
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/27/2020 Wednesday M-168
FIELD TEAM	A. Crockett
WELL ID	M-168
LOCATION COORDINATES	Latitude=36.0485413532742, Longitude=-115.004044422905, Accuracy=0, Altitude=1748.82, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
MEASUREMENT_DATE	5/27/2020 11:26:00 AM
DEDICATED TUBING PRESENT (Y/N)	No, dedicated tubing is not present.
HISTORICAL TOTAL DEPTH (FT)	32
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 22.92 - 27.71
REFERENCE ELEVATION	1748.45
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	24.98
TOTAL DEPTH OF WELL	32.0
GROUNDWATER ELEVATION	1723.47

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Well and Site Information - M-169	
Parameter	**Value**
TASK NAME	GW Monitoring
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/27/2020 Wednesday M-169
FIELD TEAM	A. Crockett
WELL ID	M-169
LOCATION COORDINATES	Latitude=36.0485403560558, Longitude=-115.003838074297, Accuracy=0, Altitude=1750.69, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
MEASUREMENT_DATE	5/27/2020 11:36:00 AM
DEDICATED TUBING PRESENT (Y/N)	No, dedicated tubing is not present.
HISTORICAL TOTAL DEPTH (FT)	35
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 24.54 - 30.1
REFERENCE ELEVATION	1750.35
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	26.23
TOTAL DEPTH OF WELL	34.9
GROUNDWATER ELEVATION	1724.12

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Well and Site Information - M-170	
Parameter	**Value**
TASK NAME	GW Monitoring
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/27/2020 Wednesday M-170
FIELD TEAM	A. Crockett
WELL ID	M-170
LOCATION COORDINATES	Latitude=36.0485385732568, Longitude=-115.003469353038, Accuracy=0, Altitude=1750.62, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
MEASUREMENT_DATE	5/27/2020 11:49:00 AM
DEDICATED TUBING PRESENT (Y/N)	No, dedicated tubing is not present.
HISTORICAL TOTAL DEPTH (FT)	35
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 26.21 - 30.33
REFERENCE ELEVATION	1750.57
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	25.54
TOTAL DEPTH OF WELL	35.1
GROUNDWATER ELEVATION	1725.03
GENERAL COMMENTS	DEPTH TO WATER CONFIRMED ON RE CHECK

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Well and Site Information - M-55	
Parameter	**Value**
TASK NAME	GW Monitoring
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/27/2020 Wednesday M-55
FIELD TEAM	A. Crockett
WELL ID	M-55
LOCATION COORDINATES	Latitude=36.0485368220668, Longitude=-115.003107397338, Accuracy=0, Altitude=1749.26, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
MEASUREMENT_DATE	5/27/2020 12:00:00 PM
DEDICATED TUBING PRESENT (Y/N)	No, dedicated tubing is not present.
HISTORICAL TOTAL DEPTH (FT)	44.6
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 25.43 - 31.73
REFERENCE ELEVATION	1751.01
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	25.62
TOTAL DEPTH OF WELL	46.6
GROUNDWATER ELEVATION	1725.39

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Well and Site Information - M-78	
Parameter	**Value**
TASK NAME	GW Monitoring
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/27/2020 Wednesday M-78
FIELD TEAM	A. Crockett
WELL ID	M-78
LOCATION COORDINATES	Latitude=36.0486404378978, Longitude=-115.002788036551, Accuracy=0, Altitude=1749.54, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
MEASUREMENT_DATE	5/27/2020 12:15:00 PM
DEDICATED TUBING PRESENT (Y/N)	No, dedicated tubing is not present.
HISTORICAL TOTAL DEPTH (FT)	44
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 28.08 - 35.5
REFERENCE ELEVATION	1751.5
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	28.9
TOTAL DEPTH OF WELL	36.9
GROUNDWATER ELEVATION	1722.6
GENERAL COMMENTS	TOTAL DEPTH CONFIRMED ON RE CHECK. MEASUREMENTS TAKEN FROM TOP OF METAL OUTER CASING BECAUSE INNER PVC CASING IS TOO DEEP TO READ TAPE.

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Well and Site Information - M-172	
Parameter	**Value**
TASK NAME	GW Monitoring
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/27/2020 Wednesday M-172
FIELD TEAM	A. Crockett
WELL ID	M-172
LOCATION COORDINATES	Latitude=36.0486286777439, Longitude=-115.002396249228, Accuracy=0, Altitude=1750.41, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
MEASUREMENT_DATE	5/27/2020 12:31:00 PM
DEDICATED TUBING PRESENT (Y/N)	No, dedicated tubing is not present.
HISTORICAL TOTAL DEPTH (FT)	37
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 29.71 - 33.84
REFERENCE ELEVATION	1750.6
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	26.93
TOTAL DEPTH OF WELL	37.4
GROUNDWATER ELEVATION	1723.67
GENERAL COMMENTS	DEPTH TO WATER CONFIRMED ON RE CHECK.

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Well and Site Information - M-56	
Parameter	**Value**
TASK NAME	GW Monitoring
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/27/2020 Wednesday M-56
FIELD TEAM	A. Crockett
WELL ID	M-56
LOCATION COORDINATES	Latitude=36.0486961208656, Longitude=-115.002101509888, Accuracy=0, Altitude=1749.49, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
MEASUREMENT_DATE	5/27/2020 12:53:00 PM
DEDICATED TUBING PRESENT (Y/N)	No, dedicated tubing is not present.
HISTORICAL TOTAL DEPTH (FT)	40
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 28.58 - 32.49
REFERENCE ELEVATION	1750.83
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	27.0
TOTAL DEPTH OF WELL	41.9
GROUNDWATER ELEVATION	1723.83
GENERAL COMMENTS	DEPTH TO WATER CONFIRMED ON RE CHECK.

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Well and Site Information - M-60	
Parameter	**Value**
TASK NAME	GW Monitoring
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/27/2020 Wednesday M-60
FIELD TEAM	A. Crockett
WELL ID	M-60
LOCATION COORDINATES	Latitude=36.0488050391743, Longitude=-115.001765802599, Accuracy=0, Altitude=1749.45, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
MEASUREMENT_DATE	5/27/2020 1:07:00 PM
DEDICATED TUBING PRESENT (Y/N)	No, dedicated tubing is not present.
HISTORICAL TOTAL DEPTH (FT)	43
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 27.89 - 33.55
REFERENCE ELEVATION	1751.04
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	27.20
TOTAL DEPTH OF WELL	44.5
GROUNDWATER ELEVATION	1723.84
GENERAL COMMENTS	WELL CONTAINS A BAILER. REMOVED AFTER DTW MEASUREMENT TO MEASURE TOTAL DEPTH.

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Well and Site Information - M-173	
Parameter	**Value**
TASK NAME	GW Monitoring
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/27/2020 Wednesday M-173
FIELD TEAM	A. Crockett
WELL ID	M-173
LOCATION COORDINATES	Latitude=36.0488033813457, Longitude=-115.001424142432, Accuracy=0, Altitude=1749.73, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
MEASUREMENT_DATE	5/27/2020 1:23:00 PM
DEDICATED TUBING PRESENT (Y/N)	No, dedicated tubing is not present.
HISTORICAL TOTAL DEPTH (FT)	40
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 27.47 - 29.73
REFERENCE ELEVATION	1749.85
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	25.78
TOTAL DEPTH OF WELL	40.30
GROUNDWATER ELEVATION	1724.07
GENERAL COMMENTS	DDPTH TO WATER CONFIRMED ON RE CHECK.

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Well and Site Information - M-58	
Parameter	**Value**
TASK NAME	GW Monitoring
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/27/2020 Wednesday M-58
FIELD TEAM	A. Crockett
WELL ID	M-58
LOCATION COORDINATES	Latitude=36.0488018046854, Longitude=-115.00109939616, Accuracy=0, Altitude=1748.95, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
MEASUREMENT_DATE	5/27/2020 1:34:00 PM
DEDICATED TUBING PRESENT (Y/N)	No, dedicated tubing is not present.
HISTORICAL TOTAL DEPTH (FT)	45
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 28.79 - 31
REFERENCE ELEVATION	1751.31
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	27.21
TOTAL DEPTH OF WELL	47.5
GROUNDWATER ELEVATION	1724.1
GENERAL COMMENTS	WELL CONTAINS A BAILER. REMOVED AFTER DTW MEASUREMENT TO MEASURE TOTAL DEPTH. TOTAL DEPTH CONFIRMED ON RE CHECK.

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Well and Site Information - M-97	
Parameter	**Value**
TASK NAME	GW Monitoring
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/27/2020 Wednesday M-97
FIELD TEAM	A. Crockett
WELL ID	M-97
LOCATION COORDINATES	Latitude=36.0430457896193, Longitude=-115.003793774408, Accuracy=0, Altitude=1798.56, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
MEASUREMENT_DATE	5/27/2020 2:18:00 PM
DEDICATED TUBING PRESENT (Y/N)	Yes dedicated tubing is present
HISTORICAL TOTAL DEPTH (FT)	45.5
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 38.03 - 40.41
REFERENCE ELEVATION	1800.92
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	39.26
TOTAL DEPTH OF WELL	47.8
GROUNDWATER ELEVATION	1761.66
GENERAL COMMENTS	TOTAL DEPTH CONFIRMED ON RE CHECK

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Well and Site Information - M-92	
Parameter	**Value**
TASK NAME	GW Monitoring
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/27/2020 Wednesday M-92
FIELD TEAM	A. Crockett
WELL ID	M-92
LOCATION COORDINATES	Latitude=36.0422274472344, Longitude=-115.004997216782, Accuracy=0, Altitude=1798.28, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
MEASUREMENT_DATE	5/27/2020 2:34:00 PM
DEDICATED TUBING PRESENT (Y/N)	Yes dedicated tubing is present
HISTORICAL TOTAL DEPTH (FT)	45.5
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 34.41 - 37.05
REFERENCE ELEVATION	1800.82
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	35.21
TOTAL DEPTH OF WELL	48.07
GROUNDWATER ELEVATION	1765.61
GENERAL COMMENTS	TOTAL DEPTH CONFIRMED ON RE CHECK.

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Well and Site Information - M-93	
Parameter	**Value**
TASK NAME	GW Monitoring
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/27/2020 Wednesday M-93
FIELD TEAM	A. Crockett
WELL ID	M-93
LOCATION COORDINATES	Latitude=36.0427767818383, Longitude=-115.004976286242, Accuracy=0, Altitude=1797.7, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
MEASUREMENT_DATE	5/27/2020 2:52:00 PM
DEDICATED TUBING PRESENT (Y/N)	Yes dedicated tubing is present
HISTORICAL TOTAL DEPTH (FT)	46
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 32.37 - 36.09
REFERENCE ELEVATION	1797.56
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	35.46
TOTAL DEPTH OF WELL	45.3
GROUNDWATER ELEVATION	1762.1

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Well and Site Information - TR-5	
Parameter	**Value**
TASK NAME	GW Monitoring
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/27/2020 Wednesday TR-5
FIELD TEAM	A. Crockett
WELL ID	TR-5
LOCATION COORDINATES	Latitude=36.0425110007235, Longitude=-115.00683190919, Accuracy=0, Altitude=1797.49, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
MEASUREMENT_DATE	5/27/2020 3:10:00 PM
DEDICATED TUBING PRESENT (Y/N)	Yes dedicated tubing is present
HISTORICAL TOTAL DEPTH (FT)	251.5
HISTORICAL DEPTH TO WATER (FT)	Historical Range: -11.55 - 0.05
REFERENCE ELEVATION	1796.45
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	PRESSURE CAP
WATER LEVEL METER SERIAL NO.	PRESSURE CAP
DIP OR ELEVATION	Elevation
PSI FOR ARTESIAN WELLS	3.5
WATER LEVEL CALCULATED FOR ARTESIAN WELLS	-8.09
TOTAL DEPTH OF WELL	251.5
GROUNDWATER ELEVATION	1804.535
GENERAL COMMENTS	ARTESIAN WELL; TOTAL DEPTH NOT MEASURED.

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Well and Site Information - TR-6	
Parameter	**Value**
TASK NAME	GW Monitoring
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/27/2020 Wednesday TR-6
FIELD TEAM	A. Crockett
WELL ID	TR-6
LOCATION COORDINATES	Latitude=36.0425110169874, Longitude=-115.006835291698, Accuracy=0, Altitude=1797.74, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
MEASUREMENT_DATE	5/27/2020 3:19:00 PM
DEDICATED TUBING PRESENT (Y/N)	Yes dedicated tubing is present
HISTORICAL TOTAL DEPTH (FT)	80
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 34.35 - 37.68
REFERENCE ELEVATION	1800.38
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	35.72
TOTAL DEPTH OF WELL	82.2
GROUNDWATER ELEVATION	1764.66
GENERAL COMMENTS	TOTAL DEPTH CONFIRMED ON RE CHECK

TETRA TECH

WELL WATER LEVEL MEASUREMENT LOG

Task Name: GW Monitoring	Task No: H02	Date: 5/28
Task Manager: Jesse Bunkers	Location: Site Wide	
Equipment Model/Type: Solinst Water Level Meter	Serial Number: 4729	Recorded by: Ashley Camacho

Time	Well ID	Measuring Point	Depth to Static Water Level (ft BMP)	Total Depth (ft BMP)	Condition of Well and Well Seal	Dedicated Tubing (Y/N)
0730	BEC-12	TOC	51.21	51.30	good	Y
0744	ES-19	TOC	61.58	181.35	good	Y
0752	ES-18	TOC	39.61	108-49	good	Y
0758	ES-16	TOC	52.60	102.81	good	Y
0813	ES-15	TOC	56.35	91.78	good	Y~~A~~
0821	AA-18	TOC	47.86	47.91	good	N
0827	OBMW-10	TOC	54.80	56.10	good	N
0834	OBMW-9	TOC	54.85	66.86	good	Y
0900	ES-14B	TOC	70.43	111.58	good	Y
0903	ES-14A	TOC	50.01	65.95	good	Y
0916	DBMW-11	TOC	32.78	59.03	good	N
0936	DBMW-15	TOC	55.36	51.34	good	Y
0939	ES-17	TOC	48.70	100.11	good	Y
0951	DBMW-13	TOC	42.51	57.53	good	Y
0957	OBMW-14	TOC	32.39	55.48	good	Y
1006	DBMW-16	TOC	81.30	113.63	good	Y
1029	DBMW-18	TOC	62.64	68.49	good	Y
1039	ES-20	TOC	63.00	114.01	good	Y
1049	DBMW-17	TOC	63.05	73.55	good	Y
1210	~~AA~~MW-K5	TOC	27.99	41.80	good	Y
1222	PC-53	TOC	24.87	35.35	good	Y
1225	PC-2	TOC	25.33	34.79	good	Y
1241	PC-103	TOC	22.15	26.25	good	Y
1246	PC-98R	TOC	21.22	39.65	good	Y
1301	PC-4	TOC	32.00	42.71	good	Y
1306	PC-1	TOC	29.97	31.90	good	N
1317	PC-59	TOC	19.94	56.31	good	Y
1319	PC-62	TOC	17.21	38.80	good	Y
1326	PC-108	TOC	11.42	42.10	good	Y
1336	PC-110	TOC	13.08	37.43	good	Y
1350	PC-146	TOC	Dry	30.17	good	N
1353	PC-147	TOC	31.50	32.20	good	N
1403	PC-94	TOC	12.77	20.11	good	Y
1408	PC-198	TOC	5.41	69.55	good	Y
1420	PC-88	TOC	5.86	16.57	good	Y
		TOC				

BMP = Below Measuring Point

TOC = Top of Casing (Well Riser)

TETRA TECH

WELL WATER LEVEL MEASUREMENT LOG

Task Name: GW Monitoring	Task No: H02	Date: 5/28/20
Task Manager: Jesse Bunkers	Location: Site Wide	
Equipment Model/Type: Solinst Water Level Meter	*Serial Number:* 5903	*Recorded by:* PATRICK OWEN

Time	Well ID	Measuring Point	Depth to Static Water Level (ft BMP)	Total Depth (ft BMP)	Condition of Well and Well Seal	Dedicated Tubing (Y/N)
07:15	ES-26	TOC	17.80	86.4	GOOD	Y
07:23	ES-25A	TOC	15.00	55.3	GOOD	Y
07:27	ES-25B	TOC	22.64	86.2	GOOD	Y
07:34	ES-45	TOC	16.54	60.5	GOOD	Y
07:38	ES-46	TOC	100.80	193.3	PROBE GIVING INCONSISTENT READING	Y
07:52	ES-47	TOC	25.50	~~52.5~~ 51.5		Y
07:57	ES-48	TOC	25.30	27.3	GOOD	Y
08:00	ES-49	TOC	23.84	135.5	GOOD	Y
08:04	ES-50	TOC	21.92	108.8	GOOD	Y
08:10	ES-51	TOC	17.50	48.8	MEASURE POINT MISSING FROM CASING	Y
08:16	ES-52	TOC	14.80	91.4	" "	Y
08:35	MW-3	TOC	2.82	13.0	GOOD	Y
08:44	MW-4	TOC	6.00	14.0	GOOD	Y
09:23	ES-24	TOC	24.35	83.7	GOOD	Y
09:41	ES-21A	TOC	29.45	52.7	MEASURE PT MISSING FROM CASING	Y
09:35	ES-21B	TOC	32.41	84.2	GOOD	N
10:05	ES-23A	TOC	28.10	53.5	MEASURE PT MISSING FROM CASING	Y
10:00	ES-23B	TOC	34.15	196.65	GOOD	Y
09:49	ES-22A	TOC	41.3	54.6	MEASURE PT MISSING FROM CASING	Y
09:42	ES-22B	TOC	42.7	85.3	" "	Y
10:45	~~ES~~ to PC-76	TOC	10.6	22.2	GOOD	Y
10:40	PC-74	TOC	10.8	49.15	GOOD	Y
10:54	PC-155B	TOC	13.35	52.6	GOOD	Y
10:56	PC-155A	TOC	12.80	22.8	GOOD	Y
11:03	PC-157B	TOC	10.10	43.3	GOOD	Y
11:08	PC-157A	TOC	10.10	27.4	GOOD	Y
11:27	PC-156B	TOC	9.98	38	GOOD	Y
11:22	PC-156A	TOC	8.15	24.4	GOOD	Y
11:31	PC-96	TOC	6.72	40.4	GOOD	Y
11:42	PC-97	TOC	4.40	31.0	" "	Y
11:59	PC-91	TOC	9.50	37.5	" "	Y
12:05	SWPTS-MW07A	TOC	12.10	31.4	" "	Y
14:12	SWPTS-MW08A	TOC	17.30	21.9	" "	N
14:20	SWPTS-MW08C	TOC	25.55	35.5	" "	N
14:37	PC-86	TOC	12.20	34.3	" "	Y
14:30	PC-87	TOC	13.50	20.6	" "	N

BMP = Below Measuring Point TOC = Top of Casing (Well Riser)

15:10 | MW-13 | TOC | 13.5 ~~33.11~~ 20.6 | 52.7 | | Y

TETRA TECH

WELL WATER LEVEL MEASUREMENT LOG

Task Name: GW Monitoring | Task No: H02 | Date: 7/28/20

Task Manager: Jesse Bunkers | Location: Site Wide

Equipment Model/Type: Solinst Water Level Meter | Serial Number: 36535 | Recorded by: AJ Tergan

Time	Well ID	Measuring Point	Depth to Static Water Level (ft BMP)	Total Depth (ft BMP)	Condition of Well and Well Seal	Dedicated Tubing (Y/N)
0648	PC-188	TOC	30.98	60.12	good	Y
0701	M-43A	TOC	30.03	40.11	good / DTW verified	Y
0706	PC-189	TOC	30.15	59.98	good	Y
0748	PC-21A	TOC	29.78	34.15	good / DTW verified	Y
0801	AA-01	TOC	50.26	51.31	good / DTW verified	Y
0815	ES-1	TOC	48.36	112.98	good / DTW verified	Y
0828	ES-28	TOC	63.50	87.60	good / DTW verified	Y
0843	AA-UN2	TOC	65.80	78.50	good / DTW verified	Y
0914	MC-50	TOC	29.10	49.45	good	Y
0935	M-61	TOC	38.04	47.71	good	Y
0944	M-204	TOC	30.14	110.05	good	Y
0951	M-260	TOC	35.52	75.07	good	Y
1232	M-7B	TOC	35.43	54.13	good	Y
1001	M-261	TOC	32.10	75.30	good	Y
1008	M-262	TOC	31.55	90.28	good	Y
1013	M-205	TOC	31.91	50.16	good	Y
1026	M-98	TOC	32.51	33.31	good	Y
1037	M-263	TOC	31.75	69.98	good	
1029	M-206	TOC	31.82	50.06	good	Y
1044	M-264	TOC	74.67	95.02	good	Y
1055	M-207	TOC	33.40	45.18	good	Y
1102	M-265	TOC	32.86	70.31	good	Y
1108	M-266	TOC	29.07	100.03	good	Y
1128	M-208	TOC	32.75	44.82	good	Y
1135	M-209	TOC	33.06	60.20	good	Y
1141	M-210	TOC	33.12	81.68	good	Y
1152	M-211	TOC	36.61	45.16	good	Y
1202	M-212	TOC	36.41	70.04	good	Y
1207	M-213	TOC	36.04	110.53	good	Y
1223	M-99	TOC	33.03	35.15	good	Y
1241	H-28A	TOC	38.20	46.82	good	Y
1255	M-136	TOC	29.08	42.05	good	Y
1303	M-134	TOC	33.91	72.06	good	Y
1306	M-161	TOC	23.31	—	good / D.P., TD not measured	Y
1312	M-161D	TOC	15.34	143.00	good	Y
1320	M-69	TOC	32.45	41.25	good	Y

BMP = Below Measuring Point | TOC = Top of Casing (Well Riser)

TETRA TECH

WELL WATER LEVEL MEASUREMENT LOG

Task Name: GW Monitoring	Task No: H02	Date: 5/28/20
Task Manager: Jesse Bunkers	Location: Site Wide	
Equipment Model/Type: Solinst Water Level Meter	*Serial Number:* 36535	*Recorded by:* A. Morgan

Time	Well ID	Measuring Point	Depth to Static Water Level (ft BMP)	Total Depth (ft BMP)	Condition of Well and Well Seal	Dedicated Tubing (Y/N)
1333	M-79	TOC	29.25	40.11	good	Y
1341	M-57A	TOC	~~[illegible]~~ 29.16	41.03	good	Y
1401	M-159	TOC	31.88	77.28	good	Y
1404	M-160	TOC	31.73	52.56	good	Y
1410	M-5A	TOC	37.68	47.17	good	Y
1425-1430	TR-1	TOC	Ø PSI	—	Artesian / gauge appears to give false reading	Y
1440	TR-2	TOC	24.81	178.28	good	Y
1453-1458	TR-3	TOC	5.5 PSI	—	Artesian / good	X
1459	TR-4	TOC	34.71	147.98	good	Y
1506	M-125	TOC	37.17	52.93	good	Y
		TOC				
		TOC				
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BMP = Below Measuring Point   TOC = Top of Casing (Well Riser)

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Well and Site Information

Well and Site Information - M-100	
Parameter	**Value**
TASK NAME	GW Monitoring
LOCATION COORDINATES	Latitude=36.0512842752198, Longitude=-115.003165042459, Accuracy=0, Altitude=1728.99, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/27/2020 Wednesday M-100
FIELD TEAM	A. Crockett
WELL ID	M-100
MEASUREMENT_DATE	5/28/2020 7:12:00 AM
DEDICATED TUBING PRESENT (Y/N)	No, dedicated tubing is not present.
HISTORICAL TOTAL DEPTH (FT)	30.5
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 26.93 - 27.84
REFERENCE ELEVATION	1730.99
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	Y
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
TOTAL DEPTH OF WELL	33.3
GROUNDWATER ELEVATION	1730.99
GENERAL COMMENTS	TOTAL DEPTH CONFIRMED ON RE CHECK

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Well and Site Information

Well and Site Information - M-151	
Parameter	**Value**
TASK NAME	GW Monitoring
LOCATION COORDINATES	Latitude=36.0512845535098, Longitude=-115.003222551436, Accuracy=0, Altitude=1728.39, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/27/2020 Wednesday M-151
FIELD TEAM	A. Crockett
WELL ID	M-151
MEASUREMENT_DATE	5/28/2020 7:18:00 AM
DEDICATED TUBING PRESENT (Y/N)	Yes dedicated tubing is present
HISTORICAL TOTAL DEPTH (FT)	145
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 13.34 - 20.76
REFERENCE ELEVATION	1731.08
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	17.39
TOTAL DEPTH OF WELL	145
GROUNDWATER ELEVATION	1713.69
GENERAL COMMENTS	DEDICATED PUMP; TOTAL DEPTH NOT MEASURED

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Well and Site Information - M-155	
Parameter	**Value**
TASK NAME	GW Monitoring
LOCATION COORDINATES	Latitude=36.0512846680918, Longitude=-115.003246231603, Accuracy=0, Altitude=1728.14, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/27/2020 Wednesday M-155
FIELD TEAM	A. Crockett
WELL ID	M-155
MEASUREMENT_DATE	5/28/2020 7:26:00 AM
DEDICATED TUBING PRESENT (Y/N)	Yes dedicated tubing is present
HISTORICAL TOTAL DEPTH (FT)	220
HISTORICAL DEPTH TO WATER (FT)	Historical Range: -2.31 - 0.2
REFERENCE ELEVATION	1727.66
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	PRESSURE CAP
WATER LEVEL METER SERIAL NO.	PRESSURE CAP
DIP OR ELEVATION	Elevation
PSI FOR ARTESIAN WELLS	2.2
WATER LEVEL CALCULATED FOR ARTESIAN WELLS	-5.08
TOTAL DEPTH OF WELL	220
GROUNDWATER ELEVATION	1732.742
GENERAL COMMENTS	ARTESIAN WELL; TOTAL DEPTH NOT MEASURED

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Well and Site Information - M-101	
Parameter	**Value**
TASK NAME	GW Monitoring
LOCATION COORDINATES	Latitude=36.0512777028502, Longitude=-115.001808507401, Accuracy=0, Altitude=1729.18, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/27/2020 Wednesday M-101
FIELD TEAM	A. Crockett
WELL ID	M-101
MEASUREMENT_DATE	5/28/2020 7:36:00 AM
DEDICATED TUBING PRESENT (Y/N)	No, dedicated tubing is not present.
HISTORICAL TOTAL DEPTH (FT)	29
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 31.13 - 31.57
REFERENCE ELEVATION	1730.87
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	Y
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
TOTAL DEPTH OF WELL	31.8
GROUNDWATER ELEVATION	1730.87
GENERAL COMMENTS	TOTAL DEPTH CONFIRMED ON RE CHECK

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Well and Site Information - M-214	
Parameter	**Value**
TASK NAME	GW Monitoring
LOCATION COORDINATES	Latitude=36.0509982655818, Longitude=-115.000836262169, Accuracy=0, Altitude=1741.19, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/27/2020 Wednesday M-214
FIELD TEAM	A. Crockett
WELL ID	M-214
MEASUREMENT_DATE	5/28/2020 7:47:00 AM
DEDICATED TUBING PRESENT (Y/N)	Yes dedicated tubing is present
HISTORICAL TOTAL DEPTH (FT)	50
HISTORICAL DEPTH TO WATER (FT)	Historical Range: -
REFERENCE ELEVATION	1740.77
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	43.87
TOTAL DEPTH OF WELL	49
GROUNDWATER ELEVATION	1696.9

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Well and Site Information - M-267	
Parameter	**Value**
TASK NAME	GW Monitoring
LOCATION COORDINATES	Latitude=36.0509982820182, Longitude=-115.000839645036, Accuracy=0, Altitude=1741.19, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/28/2020 Thursday M-267
FIELD TEAM	A. Crockett
WELL ID	M-267
MEASUREMENT_DATE	5/28/2020 7:55:00 AM
DEDICATED TUBING PRESENT (Y/N)	Yes dedicated tubing is present
HISTORICAL TOTAL DEPTH (FT)	95
HISTORICAL DEPTH TO WATER (FT)	Historical Range: -
REFERENCE ELEVATION	1740.75
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	43.42
TOTAL DEPTH OF WELL	94.7
GROUNDWATER ELEVATION	1697.33

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Well and Site Information - M-268	
Parameter	**Value**
TASK NAME	GW Monitoring
LOCATION COORDINATES	Latitude=36.0509982162721, Longitude=-115.000826113567, Accuracy=0, Altitude=1741.26, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/28/2020 Thursday M-268
FIELD TEAM	A. Crockett
WELL ID	M-268
MEASUREMENT_DATE	5/28/2020 8:03:00 AM
DEDICATED TUBING PRESENT (Y/N)	Yes dedicated tubing is present
HISTORICAL TOTAL DEPTH (FT)	115
HISTORICAL DEPTH TO WATER (FT)	Historical Range: -
REFERENCE ELEVATION	1740.71
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	44.48
TOTAL DEPTH OF WELL	115.4
GROUNDWATER ELEVATION	1696.23

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Well and Site Information - M-220	
Parameter	**Value**
TASK NAME	GW Monitoring
LOCATION COORDINATES	Latitude=36.0501681375586, Longitude=-114.999607600666, Accuracy=0, Altitude=1747.34, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/28/2020 Thursday M-220
FIELD TEAM	A. Crockett
WELL ID	M-220
MEASUREMENT_DATE	5/28/2020 8:16:00 AM
DEDICATED TUBING PRESENT (Y/N)	Yes dedicated tubing is present
HISTORICAL TOTAL DEPTH (FT)	70
HISTORICAL DEPTH TO WATER (FT)	Historical Range: -
REFERENCE ELEVATION	1749.42
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	39.43
TOTAL DEPTH OF WELL	72.7
GROUNDWATER ELEVATION	1709.99
GENERAL COMMENTS	TOTAL DEPTH CONFIRMED ON RE CHECK

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Well and Site Information - M-174	
Parameter	**Value**
TASK NAME	GW Monitoring
LOCATION COORDINATES	Latitude=36.0488001449579, Longitude=-115.000757736047, Accuracy=0, Altitude=1742.31, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/28/2020 Thursday M-174
FIELD TEAM	A. Crockett
WELL ID	M-174
MEASUREMENT_DATE	5/28/2020 8:32:00 AM
DEDICATED TUBING PRESENT (Y/N)	No, dedicated tubing is not present.
HISTORICAL TOTAL DEPTH (FT)	28
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 18.47 - 21.51
REFERENCE ELEVATION	1742.34
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	18.67
TOTAL DEPTH OF WELL	28.5
GROUNDWATER ELEVATION	1723.67

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Well and Site Information - M-175	
Parameter	**Value**
TASK NAME	GW Monitoring
LOCATION COORDINATES	Latitude=36.0487986322796, Longitude=-115.000446520919, Accuracy=0, Altitude=1742.92, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/28/2020 Thursday M-175
FIELD TEAM	A. Crockett
WELL ID	M-175
MEASUREMENT_DATE	5/28/2020 8:41:00 AM
DEDICATED TUBING PRESENT (Y/N)	No, dedicated tubing is not present.
HISTORICAL TOTAL DEPTH (FT)	29
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 20.65 - 21.83
REFERENCE ELEVATION	1742.84
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	20.14
TOTAL DEPTH OF WELL	29.3
GROUNDWATER ELEVATION	1722.7
GENERAL COMMENTS	DEPTH TO WATER CONFIRMED ON RE CHECK

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Well and Site Information - M-73	
Parameter	**Value**
TASK NAME	GW Monitoring
LOCATION COORDINATES	Latitude=36.0490740305325, Longitude=-115.000586572625, Accuracy=0, Altitude=1743.62, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/28/2020 Thursday M-73
FIELD TEAM	A. Crockett
WELL ID	M-73
MEASUREMENT_DATE	5/28/2020 9:02:00 AM
DEDICATED TUBING PRESENT (Y/N)	Yes dedicated tubing is present
HISTORICAL TOTAL DEPTH (FT)	36
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 28.05 - 30.71
REFERENCE ELEVATION	1743.14
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	30.21
TOTAL DEPTH OF WELL	39.1
GROUNDWATER ELEVATION	1712.93
GENERAL COMMENTS	TOTAL DEPTH CONFIRMED ON RE CHECK

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Well and Site Information - M-132	
Parameter	**Value**
TASK NAME	GW Monitoring
LOCATION COORDINATES	Latitude=36.0490693075464, Longitude=-114.99961571348, Accuracy=0, Altitude=1742.64, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/28/2020 Thursday M-132
FIELD TEAM	A. Crockett
WELL ID	M-132
MEASUREMENT_DATE	5/28/2020 9:14:00 AM
DEDICATED TUBING PRESENT (Y/N)	Yes dedicated tubing is present
HISTORICAL TOTAL DEPTH (FT)	90
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 25.42 - 28.08
REFERENCE ELEVATION	1744.6
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	25.45
TOTAL DEPTH OF WELL	93.0
GROUNDWATER ELEVATION	1719.15
GENERAL COMMENTS	TOTAL DEPTH CONFIRMED ON RE CHECK.

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Well and Site Information - M-74	
Parameter	**Value**
TASK NAME	GW Monitoring
LOCATION COORDINATES	Latitude=36.04924012, Longitude=-114.9996156, Accuracy=0, Altitude=1742.41, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/28/2020 Thursday M-74
FIELD TEAM	A. Crockett
WELL ID	M-74
MEASUREMENT_DATE	5/28/2020 9:25:00 AM
DEDICATED TUBING PRESENT (Y/N)	Yes dedicated tubing is present
HISTORICAL TOTAL DEPTH (FT)	39
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 27.21 - 30.1
REFERENCE ELEVATION	1745.24
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	27.70
TOTAL DEPTH OF WELL	41.95
GROUNDWATER ELEVATION	1717.54
GENERAL COMMENTS	TOTAL DEPTH CONFIRMED ON RE CHECK

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Well and Site Information - M-133	
Parameter	**Value**
TASK NAME	GW Monitoring
LOCATION COORDINATES	Latitude=36.0493442785805, Longitude=-114.999667810051, Accuracy=0, Altitude=1741.41, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/28/2020 Thursday M-133
FIELD TEAM	A. Crockett
WELL ID	M-133
MEASUREMENT_DATE	5/28/2020 9:32:00 AM
DEDICATED TUBING PRESENT (Y/N)	Yes dedicated tubing is present
HISTORICAL TOTAL DEPTH (FT)	70
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 25.84 - 27.92
REFERENCE ELEVATION	1743.76
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	26.01
TOTAL DEPTH OF WELL	72.7
GROUNDWATER ELEVATION	1717.75
GENERAL COMMENTS	TOTAL DEPTH CONFIRMED ON RE CHECK

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Well and Site Information - M-165	
Parameter	**Value**
TASK NAME	GW Monitoring
LOCATION COORDINATES	Latitude=36.0493442456428, Longitude=-114.99966104446, Accuracy=0, Altitude=1741.62, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/28/2020 Thursday M-165
FIELD TEAM	A. Crockett
WELL ID	M-165
MEASUREMENT_DATE	5/28/2020 9:41:00 AM
DEDICATED TUBING PRESENT (Y/N)	Yes dedicated tubing is present
HISTORICAL TOTAL DEPTH (FT)	120
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 21.56 - 24.4
REFERENCE ELEVATION	1743.89
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	21.63
TOTAL DEPTH OF WELL	120
GROUNDWATER ELEVATION	1722.26
GENERAL COMMENTS	DEDICATED PUMP; TOTAL DEPTH NOT MEASURED

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Well and Site Information - M-177	
Parameter	**Value**
TASK NAME	GW Monitoring
LOCATION COORDINATES	Latitude=36.0490691593117, Longitude=-114.999585268423, Accuracy=0, Altitude=1743.61, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/28/2020 Thursday M-177
FIELD TEAM	A. Crockett
WELL ID	M-177
MEASUREMENT_DATE	5/28/2020 9:55:00 AM
DEDICATED TUBING PRESENT (Y/N)	No, dedicated tubing is not present.
HISTORICAL TOTAL DEPTH (FT)	30
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 21.23 - 22.34
REFERENCE ELEVATION	1743.31
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	21.13
TOTAL DEPTH OF WELL	30.2
GROUNDWATER ELEVATION	1722.18
GENERAL COMMENTS	DEPTH TO WATER CONFIRMED ON RE CHECK

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Well and Site Information - M-176	
Parameter	**Value**
TASK NAME	GW Monitoring
LOCATION COORDINATES	Latitude=36.0487967238382, Longitude=-115.000054119268, Accuracy=0, Altitude=1745.64, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/28/2020 Thursday M-176
FIELD TEAM	A. Crockett
WELL ID	M-176
MEASUREMENT_DATE	5/28/2020 10:05:00 AM
DEDICATED TUBING PRESENT (Y/N)	No, dedicated tubing is not present.
HISTORICAL TOTAL DEPTH (FT)	30
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 23.23 - 24.52
REFERENCE ELEVATION	1745.46
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	23.38
TOTAL DEPTH OF WELL	30.3
GROUNDWATER ELEVATION	1722.08

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Well and Site Information - M-67	
Parameter	**Value**
TASK NAME	GW Monitoring
LOCATION COORDINATES	Latitude=36.0485232832102, Longitude=-115.00031661846, Accuracy=0, Altitude=1744.05, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/28/2020 Thursday M-67
FIELD TEAM	A. Crockett
WELL ID	M-67
MEASUREMENT_DATE	5/28/2020 10:14:00 AM
DEDICATED TUBING PRESENT (Y/N)	Yes dedicated tubing is present
HISTORICAL TOTAL DEPTH (FT)	38
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 21.05 - 22.87
REFERENCE ELEVATION	1745.97
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	20.90
TOTAL DEPTH OF WELL	39.8
GROUNDWATER ELEVATION	1725.07
GENERAL COMMENTS	DEPTH TO WATER CONFIRMED ON RE CHECK

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Well and Site Information - M-68	
Parameter	**Value**
TASK NAME	GW Monitoring
LOCATION COORDINATES	Latitude=36.04869639, Longitude=-114.9994933, Accuracy=0, Altitude=1748.35, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/28/2020 Thursday M-68
FIELD TEAM	A. Crockett
WELL ID	M-68
MEASUREMENT_DATE	5/28/2020 10:30:00 AM
DEDICATED TUBING PRESENT (Y/N)	Yes dedicated tubing is present
HISTORICAL TOTAL DEPTH (FT)	41
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 25.12 - 27.37
REFERENCE ELEVATION	1750.37
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	25.68
TOTAL DEPTH OF WELL	44.9
GROUNDWATER ELEVATION	1724.69
GENERAL COMMENTS	TOTAL DEPTH CONFIRMED ON RE CHECK

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Well and Site Information - M-181	
Parameter	**Value**
TASK NAME	GW Monitoring
LOCATION COORDINATES	Latitude=36.0479688299104, Longitude=-114.99928555216, Accuracy=0, Altitude=1759.36, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/28/2020 Thursday M-181
FIELD TEAM	A. Crockett
WELL ID	M-181
MEASUREMENT_DATE	5/28/2020 10:42:00 AM
DEDICATED TUBING PRESENT (Y/N)	Yes dedicated tubing is present
HISTORICAL TOTAL DEPTH (FT)	115
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 27.3 - 28.8
REFERENCE ELEVATION	1761.74
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	27.33
TOTAL DEPTH OF WELL	115
GROUNDWATER ELEVATION	1734.41
GENERAL COMMENTS	DEDICATED PUMP; TOTAL DEPTH NOT MEASURED

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Well and Site Information - M-182	
Parameter	**Value**
TASK NAME	GW Monitoring
LOCATION COORDINATES	Latitude=36.0479688299104, Longitude=-114.99928555216, Accuracy=0, Altitude=1759.42, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/28/2020 Thursday M-182
FIELD TEAM	A. Crockett
WELL ID	M-182
MEASUREMENT_DATE	5/28/2020 10:47:00 AM
DEDICATED TUBING PRESENT (Y/N)	Yes dedicated tubing is present
HISTORICAL TOTAL DEPTH (FT)	90
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 32.4 - 34.93
REFERENCE ELEVATION	1761.84
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	32.60
TOTAL DEPTH OF WELL	90
GROUNDWATER ELEVATION	1729.24
GENERAL COMMENTS	DEDICATED PUMP; TOTAL DEPTH NOT MEASURED

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Well and Site Information - M-19	
Parameter	**Value**
TASK NAME	GW Monitoring
LOCATION COORDINATES	Latitude=36.0472816, Longitude=-114.9991817, Accuracy=0, Altitude=1764.51, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/28/2020 Thursday M-19
FIELD TEAM	A. Crockett
WELL ID	M-19
MEASUREMENT_DATE	5/28/2020 11:25:00 AM
DEDICATED TUBING PRESENT (Y/N)	Yes dedicated tubing is present
HISTORICAL TOTAL DEPTH (FT)	39.5
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 32.96 - 36.27
REFERENCE ELEVATION	1766.89
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	33.78
TOTAL DEPTH OF WELL	41.3
GROUNDWATER ELEVATION	1733.11

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Well and Site Information - M-35	
Parameter	**Value**
TASK NAME	GW Monitoring
LOCATION COORDINATES	Latitude=36.04588641, Longitude=-115.0003314, Accuracy=0, Altitude=1773.36, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/28/2020 Thursday M-35
FIELD TEAM	A. Crockett
WELL ID	M-35
MEASUREMENT_DATE	5/28/2020 11:40:00 AM
DEDICATED TUBING PRESENT (Y/N)	Yes dedicated tubing is present
HISTORICAL TOTAL DEPTH (FT)	40
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 30.61 - 34.73
REFERENCE ELEVATION	1772.85
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	29.71
TOTAL DEPTH OF WELL	40
GROUNDWATER ELEVATION	1743.14
GENERAL COMMENTS	DEPTH TO WATER CONFIRMED ON RE CHECK

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Well and Site Information - M-147	
Parameter	**Value**
TASK NAME	GW Monitoring
LOCATION COORDINATES	Latitude=36.0460457118761, Longitude=-114.999265929439, Accuracy=0, Altitude=1775.06, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/28/2020 Thursday M-147
FIELD TEAM	A. Crockett
WELL ID	M-147
MEASUREMENT_DATE	5/28/2020 11:58:00 AM
DEDICATED TUBING PRESENT (Y/N)	Yes dedicated tubing is present
HISTORICAL TOTAL DEPTH (FT)	40
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 34.97 - 37.07
REFERENCE ELEVATION	1777.55
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	32.69
TOTAL DEPTH OF WELL	38
GROUNDWATER ELEVATION	1744.86
GENERAL COMMENTS	DEPTH TO WATER CONFIRMED ON RE CHECK

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Well and Site Information - M-83	
Parameter	**Value**
TASK NAME	GW Monitoring
LOCATION COORDINATES	Latitude=36.04952715, Longitude=-115.0034327, Accuracy=0, Altitude=1739.04, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/28/2020 Thursday M-83
FIELD TEAM	A. Crockett
WELL ID	M-83
MEASUREMENT_DATE	5/28/2020 12:15:00 PM
DEDICATED TUBING PRESENT (Y/N)	Yes dedicated tubing is present
HISTORICAL TOTAL DEPTH (FT)	42.5
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 24.21 - 34.23
REFERENCE ELEVATION	1742.22
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	29.03
TOTAL DEPTH OF WELL	43.4
GROUNDWATER ELEVATION	1713.19

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Well and Site Information - M-80	
Parameter	**Value**
TASK NAME	GW Monitoring
LOCATION COORDINATES	Latitude=36.04939505, Longitude=-115.0028413, Accuracy=0, Altitude=1744.01, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/28/2020 Thursday M-80
FIELD TEAM	A. Crockett
WELL ID	M-80
MEASUREMENT_DATE	5/28/2020 12:26:00 PM
DEDICATED TUBING PRESENT (Y/N)	Yes dedicated tubing is present
HISTORICAL TOTAL DEPTH (FT)	43.7
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 28.99 - 41.1
REFERENCE ELEVATION	1746.15
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	35.10
TOTAL DEPTH OF WELL	43.7
GROUNDWATER ELEVATION	1711.05
GENERAL COMMENTS	DEDICATED PUMP; TOTAL DEPTH NOT MEASURED

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Well and Site Information - M-81A	
Parameter	**Value**
TASK NAME	GW Monitoring
LOCATION COORDINATES	Latitude=36.04956458, Longitude=-115.001555, Accuracy=0, Altitude=1743.14, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/28/2020 Thursday M-81A
FIELD TEAM	A. Crockett
WELL ID	M-81A
MEASUREMENT_DATE	5/28/2020 12:42:00 PM
DEDICATED TUBING PRESENT (Y/N)	Yes dedicated tubing is present
HISTORICAL TOTAL DEPTH (FT)	40
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 31.74 - 38.37
REFERENCE ELEVATION	1744.24
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	33.70
TOTAL DEPTH OF WELL	42.6
GROUNDWATER ELEVATION	1710.54
GENERAL COMMENTS	TOTAL DEPTH CONFIRMED ON RE CHECK

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Well and Site Information - M-138	
Parameter	**Value**
TASK NAME	GW Monitoring
LOCATION COORDINATES	Latitude=36.0383704501683, Longitude=-115.002732120142, Accuracy=0, Altitude=1843.81, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/28/2020 Thursday M-138
FIELD TEAM	A. Crockett
WELL ID	M-138
MEASUREMENT_DATE	5/28/2020 1:31:00 PM
DEDICATED TUBING PRESENT (Y/N)	Yes dedicated tubing is present
HISTORICAL TOTAL DEPTH (FT)	65.5
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 53.21 - 58.85
REFERENCE ELEVATION	1846.53
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	58.75
TOTAL DEPTH OF WELL	68.3
GROUNDWATER ELEVATION	1787.78
GENERAL COMMENTS	TOTAL DEPTH CONFIRMED ON RE CHECK

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Well and Site Information - M-137	
Parameter	**Value**
TASK NAME	GW Monitoring
LOCATION COORDINATES	Latitude=36.0380981975905, Longitude=-115.003241484178, Accuracy=0, Altitude=1844.93, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/28/2020 Thursday M-137
FIELD TEAM	A. Crockett
WELL ID	M-137
MEASUREMENT_DATE	5/28/2020 1:40:00 PM
DEDICATED TUBING PRESENT (Y/N)	Yes dedicated tubing is present
HISTORICAL TOTAL DEPTH (FT)	75
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 54.99 - 59.6
REFERENCE ELEVATION	1847.73
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	59.41
TOTAL DEPTH OF WELL	75.23
GROUNDWATER ELEVATION	1788.32

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Well and Site Information - M-10	
Parameter	**Value**
TASK NAME	GW Monitoring
LOCATION COORDINATES	Latitude=36.0398328051932, Longitude=-115.000285385385, Accuracy=0, Altitude=1833.94, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/29/2020 Friday M-10
FIELD TEAM	A. Crockett
WELL ID	M-10
DEDICATED TUBING PRESENT (Y/N)	Yes dedicated tubing is present
HISTORICAL TOTAL DEPTH (FT)	67
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 40 - 54.13
REFERENCE ELEVATION	1835.1
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
DIP OR ELEVATION	Dip
GROUNDWATER ELEVATION	1835.1

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Well and Site Information - TR-9	
Parameter	**Value**
TASK NAME	GW Monitoring
LOCATION COORDINATES	Latitude=36.0375505151085, Longitude=-115.003604036734, Accuracy=0, Altitude=1851.85, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/28/2020 Thursday TR-9
FIELD TEAM	A. Crockett
WELL ID	TR-9
MEASUREMENT_DATE	5/28/2020 2:12:00 PM
DEDICATED TUBING PRESENT (Y/N)	Yes dedicated tubing is present
HISTORICAL TOTAL DEPTH (FT)	250.5
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 30.73 - 38.78
REFERENCE ELEVATION	1854.41
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	29.51
TOTAL DEPTH OF WELL	250.5
GROUNDWATER ELEVATION	1824.9
GENERAL COMMENTS	DEDICATED PUMP; TOTAL DEPTH NOT MEASURED. DEPTH TO WATER CONFIRMED ON RE CHECK

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Well and Site Information

Well and Site Information - TR-10	
Parameter	**Value**
TASK NAME	GW Monitoring
LOCATION COORDINATES	Latitude=36.037275774144, Longitude=-115.003599285598, Accuracy=0, Altitude=1851.79, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/28/2020 Thursday TR-10
FIELD TEAM	A. Crockett
WELL ID	TR-10
MEASUREMENT_DATE	5/28/2020 2:18:00 PM
DEDICATED TUBING PRESENT (Y/N)	Yes dedicated tubing is present
HISTORICAL TOTAL DEPTH (FT)	100.5
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 59.49 - 63.31
REFERENCE ELEVATION	1854.23
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	63.05
TOTAL DEPTH OF WELL	100.5
GROUNDWATER ELEVATION	1791.18
GENERAL COMMENTS	DEDICATED PUMP; TOTAL DEPTH NOT MEASURED

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Well and Site Information - M-121	
Parameter	**Value**
TASK NAME	GW Monitoring
LOCATION COORDINATES	Latitude=36.0353506566921, Longitude=-115.003166928641, Accuracy=0, Altitude=1873.08, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/28/2020 Thursday M-121
FIELD TEAM	A. Crockett
WELL ID	M-121
MEASUREMENT_DATE	5/28/2020 2:33:00 PM
DEDICATED TUBING PRESENT (Y/N)	Yes dedicated tubing is present
HISTORICAL TOTAL DEPTH (FT)	102
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 75.54 - 79.52
REFERENCE ELEVATION	1875.65
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	79.05
TOTAL DEPTH OF WELL	102
GROUNDWATER ELEVATION	1796.6
GENERAL COMMENTS	DEDICATED PUMP; TOTAL DEPTH NOT MEASURED

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Well and Site Information - M-118	
Parameter	**Value**
TASK NAME	GW Monitoring
LOCATION COORDINATES	Latitude=36.0356197627076, Longitude=-115.002008197753, Accuracy=0, Altitude=1874.46, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/28/2020 Thursday M-118
FIELD TEAM	A. Crockett
WELL ID	M-118
MEASUREMENT_DATE	5/28/2020 2:41:00 PM
DEDICATED TUBING PRESENT (Y/N)	Yes dedicated tubing is present
HISTORICAL TOTAL DEPTH (FT)	163
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 63.47 - 67.86
REFERENCE ELEVATION	1876.84
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	62.64
TOTAL DEPTH OF WELL	163
GROUNDWATER ELEVATION	1814.2
GENERAL COMMENTS	DEDICATED PUMP; TOTAL DEPTH NOT MEASURED. DEPTH TO WATER CONFIRMED ON RE CHECK.

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Well and Site Information - M-120	
Parameter	**Value**
TASK NAME	GW Monitoring
LOCATION COORDINATES	Latitude=36.0358886931346, Longitude=-115.000815636913, Accuracy=0, Altitude=1875.86, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/28/2020 Thursday M-120
FIELD TEAM	A. Crockett
WELL ID	M-120
MEASUREMENT_DATE	5/28/2020 2:51:00 PM
DEDICATED TUBING PRESENT (Y/N)	Yes dedicated tubing is present
HISTORICAL TOTAL DEPTH (FT)	105
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 75.43 - 84.3
REFERENCE ELEVATION	1878.63
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	84.32
TOTAL DEPTH OF WELL	105
GROUNDWATER ELEVATION	1794.31
GENERAL COMMENTS	DEDICATED PUMP; TOTAL DEPTH NOT MEASURED. DEPTH TO WATER CONFIRMED ON RE CHECK.

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Well and Site Information - M-103	
Parameter	**Value**
TASK NAME	GW Monitoring
LOCATION COORDINATES	Latitude=36.0369819334982, Longitude=-114.999657573706, Accuracy=0, Altitude=1864.39, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/28/2020 Thursday M-103
FIELD TEAM	A. Crockett
WELL ID	M-103
MEASUREMENT_DATE	5/28/2020 3:06:00 PM
DEDICATED TUBING PRESENT (Y/N)	Yes dedicated tubing is present
HISTORICAL TOTAL DEPTH (FT)	90
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 68.86 - 76.68
REFERENCE ELEVATION	1866.87
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	76.62
TOTAL DEPTH OF WELL	90
GROUNDWATER ELEVATION	1790.25
GENERAL COMMENTS	DEDICATED PUMP; TOTAL DEPTH NOT MEASURED.

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Well and Site Information - M-117	
Parameter	**Value**
TASK NAME	GW Monitoring
LOCATION COORDINATES	Latitude=36.035879987747, Longitude=-114.999026442352, Accuracy=0, Altitude=1878.12, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/28/2020 Thursday M-117
FIELD TEAM	A. Crockett
WELL ID	M-117
MEASUREMENT_DATE	5/28/2020 3:22:00 PM
DEDICATED TUBING PRESENT (Y/N)	Yes dedicated tubing is present
HISTORICAL TOTAL DEPTH (FT)	155
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 69.3 - 74.02
REFERENCE ELEVATION	1880.49
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	68.26
TOTAL DEPTH OF WELL	155
GROUNDWATER ELEVATION	1812.23
GENERAL COMMENTS	DEDICATED PUMP; TOTAL DEPTH NOT MEASURED. DEPTH TO WATER CONFIRMED ON RE CHECK.

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Well and Site Information - TR-7	
Parameter	**Value**
TASK NAME	GW Monitoring
LOCATION COORDINATES	Latitude=36.0394871113523, Longitude=-115.006417609277, Accuracy=0, Altitude=1826.71, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/28/2020 Thursday TR-7
FIELD TEAM	A. Crockett
WELL ID	TR-7
MEASUREMENT_DATE	5/28/2020 3:35:00 PM
DEDICATED TUBING PRESENT (Y/N)	Yes dedicated tubing is present
HISTORICAL TOTAL DEPTH (FT)	290.5
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 5.55 - 14.43
REFERENCE ELEVATION	1829.13
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	4.39
TOTAL DEPTH OF WELL	290.5
GROUNDWATER ELEVATION	1824.74
GENERAL COMMENTS	DEDICATED PUMP; TOTAL DEPTH NOT MEASURED. DEPTH TO WATER CONFIRMED ON RE CHECK.

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Well and Site Information - TR-8	
Parameter	**Value**
TASK NAME	GW Monitoring
LOCATION COORDINATES	Latitude=36.0394871276267, Longitude=-115.006420991655, Accuracy=0, Altitude=1826.74, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/28/2020 Thursday TR-8
FIELD TEAM	A. Crockett
WELL ID	TR-8
MEASUREMENT_DATE	5/28/2020 3:40:00 PM
DEDICATED TUBING PRESENT (Y/N)	Yes dedicated tubing is present
HISTORICAL TOTAL DEPTH (FT)	93.5
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 48.56 - 50.7
REFERENCE ELEVATION	1829.27
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	48.60
TOTAL DEPTH OF WELL	93.5
GROUNDWATER ELEVATION	1780.67
GENERAL COMMENTS	DEDICATED PUMP; TOTAL DEPTH NOT MEASURED

TETRA TECH

WELL WATER LEVEL MEASUREMENT LOG

Task Name: GW Monitoring	Task No: H02	Date: 5/29/20
Task Manager: Jesse Bunkers	Location: Site Wide	
Equipment Model/Type: Solinst Water Level Meter	Serial Number: 36535	Recorded by: A. Morgan

Time	Well ID	Measuring Point	Depth to Static Water Level (ft BMP)	Total Depth (ft BMP)	Condition of Well and Well Seal	Dedicated Tubing (Y/N)
0632	M-135	TOC	34.00	42.09	good	Y
0640	M-126	TOC	34.23	42.39	good	Y
0652	M-14A	TOC	32.26	42.36	good / DTW verified	Y
0701	MW-16 (NEST)	TOC	36.12	42.62	good	Y
0710	M-37	TOC	30.90	36.93	good	Y
0720	VFMW-04D	TOC	30.21	49.60	good	Y
0726	VFMW-05D	TOC	30.17	49.65	good	Y
0731	VFMW-06D	TOC	29.87	49.86	good	Y
0744	VFMW-02D	TOC	31.54	49.02	good	Y
0750	VFMW-03D	TOC	28.74	50.42	good	Y
0757	VFMW-01D	TOC	31.41	49.04	good	Y
0809	DTW-03	TOC	30.83	—	Dedicated pump - T.D. not measured 5-29-20	Y
0818	DTW-01	TOC	31.52	—	"	Y
0822	DTW-05	TOC	31.32	49.09	good	Y
0836	M-25	TOC	31.30	40.18	good	Y
0853	M-38	TOC	30.21	37.15	good	Y
0902	I-154	TOC	10.15	—	good / dedicated pump T.D. not measured	Y
0906	M-150	TOC	21.80	—	" "	Y
0912	M-22A	TOC	28.83	—	" "	Y
0933	M-123	TOC	43.38	121.12	good / DTW verified	N
1005	M-124	TOC	35.91	52.05	good	Y
1125	DTW-06	TOC	34.50	48.92	good	Y
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BMP = Below Measuring Point TOC = Top of Casing (Well Riser)

TETRATECH

WELL WATER LEVEL MEASUREMENT LOG

Task Name: GW Monitoring	Task No: H02	Date: 5/29/20
Task Manager: Jesse Bunkers	Location: Site Wide	
Equipment Model/Type: Solinst Water Level Meter	*Serial Number:* 5903	*Recorded by:* PATRICK OWEN

Time	Well ID	Measuring Point	Depth to Static Water Level (ft BMP)	Total Depth (ft BMP)	Condition of Well and Well Seal	Dedicated Tubing (Y/N)
06:55	PC-90	TOC	5.59	13.2	GOOD	Y
07:00	PC-199	TOC	0	109.7	WATER LEVEL AT TOP OF CASING	Y
07:11	PC-82	TOC	15.75	69.8	GOOD	Y
07:13	PC-83	TOC	16.18	39.7	"	N
07:18	PC-81	TOC	16.59	24.8	"	N
07:21	PC-80	TOC	16.50	35.0	"	N
07:25	PC-79	TOC	17.23	52.0	"	Y
07:30	PC-78	TOC	5.10	22.1	"	N
07:35	PC-77	TOC	5.45	39.3	"	Y
07:43	LVWPS-MW102A	TOC	9.77	67.0	"	Y
07:50	LVWPS-MW102B	TOC	4.85	97.0	"	Y
08:01	LVWPS-MW105	TOC	28.41	28.0	"	Y
08:10	HM-2	TOC	28.37	40.5	"	Y
08:18	DBMW-4	TOC	24.75	46.5	"	Y
08:27	DBMW-5	TOC	26.12	41.0	"	Y
08:46	ES-12	TOC	29.00	73.0	"	Y
09:00	ES-10	TOC	33.20	67	"	Y
08:50	ES-11	TOC	27.80	56.0	"	Y
09:39	ES-13	TOC	58.96	113.0	"	Y
09:44	MCF-06B	TOC	55.15	89.0	"	Y
09:47	MCF-06C	TOC	55.04	67.0	"	Y
09:50	DBMW-7	TOC	55.10	80.5	"	N
09:57	DBMW-8	TOC	54.36	75.5	"	Y
09:16	PC-58	TOC	20.02	39	"	Y
09:20	PC-56	TOC	19.32	61.9	"	Y
09:26	PC-60	TOC	18.50	40.5	"	Y
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BMP = Below Measuring Point TOC = Top of Casing (Well Riser)

TETRA TECH

WELL WATER LEVEL MEASUREMENT LOG

Task Name: GW Monitoring | Task No: H02 | Date: 5/29/20

Task Manager: Jesse Bunkers | Location: Site Wide

Equipment Model/Type: Solinst Water Level Meter | Serial Number: 4729 | Recorded by: Anthony Camacho

Time	Well ID	Measuring Point	Depth to Static Water Level (ft BMP)	Total Depth (ft BMP)	Condition of Well and Well Seal	Dedicated Tubing (Y/N)
0640	PC-159	TOC	14.57	23.53	good	Y
0646	PC-160	TOC	13.86	24.93	good	Y
0655	PC-142	TOC	31.23	35.31	good	Y
0659	PC-55	TOC	33.52	51.32	good	Y
0705	PC-18	TOC	34.83	37.20	good	Y
0709	PC-143	TOC	35.41	65.10	good	Y
0712	ARP-1	TOC	29.06	42.75	good	Y
0726	PC-149	TOC	33.18	50.57	good	Y
0734	PC-148	TOC	31.90	50.80	good	Y
	~~ARP-6~~	TOC				
0809	PC-136	TOC	53.39	91.20	good	Y
0803	PC-137	TOC	32.74	73.95	good	Y
0806	PC-137D	TOC	30.90	90.03	good	N
0817	PC-122	TOC	32.53	38.01	good	Y
0822	PC-145	TOC	33.48	40.43	good	Y
0828	ARP-7	TOC	30.18	34.25	good	Y
0840	PC-197	TOC	26.00	75.55	good	Y
0856	ARP-6B	TOC	32.11	42.62	good	Y
0902	ARP-5A	TOC	32.63	38.50	good	Y
0907	ARP-4A	TOC	31.66	33.11	good	Y
0915	MW-K4	TOC	51.56	114.90	good	Y
0920	ARP-3A	TOC	30.92	41.00	good	Y
0926	ARP-2A	TOC	30.40	53.59	good	Y
0950	PC-144	TOC	34.81	39.28	good	Y
0956	PC-134D	TOC	29.35	90.21	good	Y
1021	PC-134A	TOC	34.91	70.05	good	Y
1027	PC-134A	TOC	35.06	51.76	good	Y
1031	PC-101R	TOC	35.37	49.06	good	Y
1036	PC-195	TOC	28.79	78.07	good	Y
1044	PC-196	TOC	29.60	78.39	good	Y
1047	PC-191	TOC	9.85	25.55	good	Y
		TOC				
		TOC				
		TOC				
		TOC				
		TOC				

BMP = Below Measuring Point | TOC = Top of Casing (Well Riser)

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Well and Site Information

Well and Site Information - M-2A	
Parameter	**Value**
TASK NAME	GW Monitoring
LOCATION COORDINATES	Latitude=36.0457848125854, Longitude=-115.002109379459, Accuracy=0, Altitude=1780.34, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/29/2020 Friday M-2A
FIELD TEAM	A. Crockett
WELL ID	M-2A
MEASUREMENT_DATE	5/29/2020 6:57:00 AM
DEDICATED TUBING PRESENT (Y/N)	No, dedicated tubing is not present.
HISTORICAL TOTAL DEPTH (FT)	45.78
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 39.25 - 42.22
REFERENCE ELEVATION	1781.29
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	39.01
TOTAL DEPTH OF WELL	46
GROUNDWATER ELEVATION	1742.28
GENERAL COMMENTS	DEPTH TO WATER CONFIRMED ON RE CHECK.

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Well and Site Information - M-75	
Parameter	**Value**
TASK NAME	GW Monitoring
LOCATION COORDINATES	Latitude=36.0455144469734, Longitude=-115.003007796614, Accuracy=0, Altitude=1782.14, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/29/2020 Friday M-75
FIELD TEAM	A. Crockett
WELL ID	M-75
MEASUREMENT_DATE	5/29/2020 7:10:00 AM
DEDICATED TUBING PRESENT (Y/N)	Yes dedicated tubing is present
HISTORICAL TOTAL DEPTH (FT)	51.5
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 41.3 - 42.7
REFERENCE ELEVATION	1784.22
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	41.68
TOTAL DEPTH OF WELL	53.8
GROUNDWATER ELEVATION	1742.54
GENERAL COMMENTS	TOTAL DEPTH CONFIRMED ON RE CHECK

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Well and Site Information - M-76	
Parameter	**Value**
TASK NAME	GW Monitoring
LOCATION COORDINATES	Latitude=36.0455172126475, Longitude=-115.003579461806, Accuracy=0, Altitude=1781.73, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/29/2020 Friday M-76
FIELD TEAM	A. Crockett
WELL ID	M-76
MEASUREMENT_DATE	5/29/2020 7:20:00 AM
DEDICATED TUBING PRESENT (Y/N)	Yes dedicated tubing is present
HISTORICAL TOTAL DEPTH (FT)	51.4
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 37.45 - 39.84
REFERENCE ELEVATION	1785.23
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	38.91
TOTAL DEPTH OF WELL	54.9
GROUNDWATER ELEVATION	1746.32
GENERAL COMMENTS	TOTAL DEPTH CONFIRMED ON RE CHECK

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Well and Site Information - M-142	
Parameter	**Value**
TASK NAME	GW Monitoring
LOCATION COORDINATES	Latitude=36.0455230949379, Longitude=-115.004797210406, Accuracy=0, Altitude=1774, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/29/2020 Friday M-142
FIELD TEAM	A. Crockett
WELL ID	M-142
MEASUREMENT_DATE	5/29/2020 7:30:00 AM
DEDICATED TUBING PRESENT (Y/N)	Yes dedicated tubing is present
HISTORICAL TOTAL DEPTH (FT)	45.3
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 28.25 - 31.19
REFERENCE ELEVATION	1773.71
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	30.32
TOTAL DEPTH OF WELL	44
GROUNDWATER ELEVATION	1743.39

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Well and Site Information - M-115	
Parameter	**Value**
TASK NAME	GW Monitoring
LOCATION COORDINATES	Latitude=36.0452475217686, Longitude=-115.004619941223, Accuracy=0, Altitude=1781.12, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/29/2020 Friday M-115
FIELD TEAM	A. Crockett
WELL ID	M-115
MEASUREMENT_DATE	5/29/2020 7:39:00 AM
DEDICATED TUBING PRESENT (Y/N)	Yes dedicated tubing is present
HISTORICAL TOTAL DEPTH (FT)	45.2
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 36.32 - 38.17
REFERENCE ELEVATION	1783.22
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	37.26
TOTAL DEPTH OF WELL	47
GROUNDWATER ELEVATION	1745.96

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Well and Site Information - M-141	
Parameter	**Value**
TASK NAME	GW Monitoring
LOCATION COORDINATES	Latitude=36.0441286673299, Longitude=-115.000494476363, Accuracy=0, Altitude=1797.47, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/29/2020 Friday M-141
FIELD TEAM	A. Crockett
WELL ID	M-141
MEASUREMENT_DATE	5/29/2020 8:02:00 AM
DEDICATED TUBING PRESENT (Y/N)	Yes dedicated tubing is present
HISTORICAL TOTAL DEPTH (FT)	49.5
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 40.46 - 43.52
REFERENCE ELEVATION	1796.88
GENERAL CONDITION OF THE WELL AND SEAL	SEAL WITH J PLUG APPEARS NOT TO BE WATER TIGHT-MUD FROM STANDING WATER IN WELL VAULT ON INSIDE OF INNER CASING.
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	38.11
TOTAL DEPTH OF WELL	47.3
GROUNDWATER ELEVATION	1758.77
GENERAL COMMENTS	WELL VAULT WAS FULL OF STANDING WATER WHICH APPEARED TO BE SLOWLY LEAKING INTO WELL. DEPTH TO WATER AND TOTAL DEPTH CONFIRMED ON RE CHECK.

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Well and Site Information - M-31A	
Parameter	**Value**
TASK NAME	GW Monitoring
LOCATION COORDINATES	Latitude=36.04437633, Longitude=-115.0008195, Accuracy=0, Altitude=1797.12, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/29/2020 Friday M-31A
FIELD TEAM	A. Crockett
WELL ID	M-31A
MEASUREMENT_DATE	5/29/2020 8:18:00 AM
DEDICATED TUBING PRESENT (Y/N)	Yes dedicated tubing is present
HISTORICAL TOTAL DEPTH (FT)	55
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 41.89 - 47.42
REFERENCE ELEVATION	1797.01
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	40.31
TOTAL DEPTH OF WELL	54.15
GROUNDWATER ELEVATION	1756.7
GENERAL COMMENTS	DEPTH TO WATER CONFIRMED ON RE CHECK

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Well and Site Information - M-153	
Parameter	**Value**
TASK NAME	GW Monitoring
LOCATION COORDINATES	Latitude=36.0444046738629, Longitude=-115.000759675844, Accuracy=0, Altitude=1797.21, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/29/2020 Friday M-153
FIELD TEAM	A. Crockett
WELL ID	M-153
MEASUREMENT_DATE	5/29/2020 8:28:00 AM
DEDICATED TUBING PRESENT (Y/N)	Yes dedicated tubing is present
HISTORICAL TOTAL DEPTH (FT)	170
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 26.87 - 33.22
REFERENCE ELEVATION	1796.98
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	28.00
TOTAL DEPTH OF WELL	170
GROUNDWATER ELEVATION	1768.98
GENERAL COMMENTS	DEDICATED PUMP; TOTAL DEPTH NOT MEASURED

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Well and Site Information - M-149	
Parameter	**Value**
TASK NAME	GW Monitoring
LOCATION COORDINATES	Latitude=36.0444048875227, Longitude=-115.000803649453, Accuracy=0, Altitude=1797.21, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/29/2020 Friday M-149
FIELD TEAM	A. Crockett
WELL ID	M-149
MEASUREMENT_DATE	5/29/2020 8:43:00 AM
DEDICATED TUBING PRESENT (Y/N)	Yes dedicated tubing is present
HISTORICAL TOTAL DEPTH (FT)	120
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 42.8 - 46.22
REFERENCE ELEVATION	1796.96
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	41.17
TOTAL DEPTH OF WELL	120
GROUNDWATER ELEVATION	1755.79
GENERAL COMMENTS	DEDICATED PUMP; TOTAL DEPTH NOT MEASURED. DEPTH TO WATER CONFIRMED ON RE CHECK

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Well and Site Information - M-32	
Parameter	**Value**
TASK NAME	GW Monitoring
LOCATION COORDINATES	Latitude=36.0446759937826, Longitude=-115.000060837084, Accuracy=0, Altitude=1791.6, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/29/2020 Friday M-32
FIELD TEAM	A. Crockett
WELL ID	M-32
MEASUREMENT_DATE	5/29/2020 8:55:00 AM
DEDICATED TUBING PRESENT (Y/N)	Yes dedicated tubing is present
HISTORICAL TOTAL DEPTH (FT)	45
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 42.84 - 46.42
REFERENCE ELEVATION	1795.56
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	38.75
TOTAL DEPTH OF WELL	53.1
GROUNDWATER ELEVATION	1756.81
GENERAL COMMENTS	TOTAL DEPTH AND DEPTH TO WATER CONFIRMED ON RE CHECK

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Well and Site Information - M-33	
Parameter	**Value**
TASK NAME	GW Monitoring
LOCATION COORDINATES	Latitude=36.0446728325079, Longitude=-114.999411378624, Accuracy=0, Altitude=1791.8, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/29/2020 Friday M-33
FIELD TEAM	A. Crockett
WELL ID	M-33
MEASUREMENT_DATE	5/29/2020 9:11:00 AM
DEDICATED TUBING PRESENT (Y/N)	Yes dedicated tubing is present
HISTORICAL TOTAL DEPTH (FT)	45
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 43.53 - 46.09
REFERENCE ELEVATION	1795.67
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	39.56
TOTAL DEPTH OF WELL	53.3
GROUNDWATER ELEVATION	1756.11
GENERAL COMMENTS	TOTAL DEPTH AND DEPTH TO WATER CONFIRMED ON RE CHECK.

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Well and Site Information - M-148A	
Parameter	**Value**
TASK NAME	GW Monitoring
LOCATION COORDINATES	Latitude=36.0446688099789, Longitude=-114.998586025311, Accuracy=0, Altitude=1797.84, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/29/2020 Friday M-148A
FIELD TEAM	A. Crockett
WELL ID	M-148A
MEASUREMENT_DATE	5/29/2020 9:31:00 AM
DEDICATED TUBING PRESENT (Y/N)	Yes dedicated tubing is present
HISTORICAL TOTAL DEPTH (FT)	50
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 44.99 - 47.8
REFERENCE ELEVATION	1800.1
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	44.39
TOTAL DEPTH OF WELL	52.6
GROUNDWATER ELEVATION	1755.71
GENERAL COMMENTS	TOTAL DEPTH AND DEPTH TO WATER CONFIRMED ON RE CHECK.

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Well and Site Information - M-186D	
Parameter	**Value**
TASK NAME	GW Monitoring
LOCATION COORDINATES	Latitude=36.0445252, Longitude=-114.9985956, Accuracy=0, Altitude=1798.16, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/29/2020 Friday M-186D
FIELD TEAM	A. Crockett
WELL ID	M-186D
MEASUREMENT_DATE	5/29/2020 9:41:00 AM
DEDICATED TUBING PRESENT (Y/N)	No, dedicated tubing is not present.
HISTORICAL TOTAL DEPTH (FT)	173
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 30.91 - 38.93
REFERENCE ELEVATION	1800.96
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	30.22
TOTAL DEPTH OF WELL	176
GROUNDWATER ELEVATION	1770.74
GENERAL COMMENTS	TOTAL DEPTH AND DEPTH TO WATER CONFIRMED ON RE CHECK

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Well and Site Information - M-186	
Parameter	**Value**
TASK NAME	GW Monitoring
LOCATION COORDINATES	Latitude=36.0446689419552, Longitude=-114.998613086073, Accuracy=0, Altitude=1798, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/29/2020 Friday M-186
FIELD TEAM	A. Crockett
WELL ID	M-186
MEASUREMENT_DATE	5/29/2020 9:55:00 AM
DEDICATED TUBING PRESENT (Y/N)	Yes dedicated tubing is present
HISTORICAL TOTAL DEPTH (FT)	115
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 44.95 - 46.79
REFERENCE ELEVATION	1800.65
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	43.61
TOTAL DEPTH OF WELL	115
GROUNDWATER ELEVATION	1757.04
GENERAL COMMENTS	DEDICATED PUMP; TOTAL DEPTH NOT MEASURED. DEPTH TO WATER CONFIRMED ON RE CHECK.

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Well and Site Information - M-77R	
Parameter	**Value**
TASK NAME	GW Monitoring
LOCATION COORDINATES	Latitude=36.043571430502, Longitude=-114.998891814939, Accuracy=0, Altitude=1798.59, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/29/2020 Friday M-77R
FIELD TEAM	A. Crockett
WELL ID	M-77R
MEASUREMENT_DATE	5/29/2020 10:06:00 AM
DEDICATED TUBING PRESENT (Y/N)	Yes dedicated tubing is present
HISTORICAL TOTAL DEPTH (FT)	45
HISTORICAL DEPTH TO WATER (FT)	Historical Range: -
REFERENCE ELEVATION	1798.51
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	35.03
TOTAL DEPTH OF WELL	44.9
GROUNDWATER ELEVATION	1763.48

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Well and Site Information - M-145	
Parameter	**Value**
TASK NAME	GW Monitoring
LOCATION COORDINATES	Latitude=36.0419188278105, Longitude=-114.998011021886, Accuracy=0, Altitude=1812.68, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/29/2020 Friday M-145
FIELD TEAM	A. Crockett
WELL ID	M-145
MEASUREMENT_DATE	5/29/2020 10:27:00 AM
DEDICATED TUBING PRESENT (Y/N)	Yes dedicated tubing is present
HISTORICAL TOTAL DEPTH (FT)	60
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 36.51 - 39.93
REFERENCE ELEVATION	1812.42
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	38.98
TOTAL DEPTH OF WELL	59.3
GROUNDWATER ELEVATION	1773.44

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Well and Site Information - M-139	
Parameter	**Value**
TASK NAME	GW Monitoring
LOCATION COORDINATES	Latitude=36.0413720529638, Longitude=-114.998556280848, Accuracy=0, Altitude=1813.83, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/29/2020 Friday M-139
FIELD TEAM	A. Crockett
WELL ID	M-139
MEASUREMENT_DATE	5/29/2020 10:43:00 AM
DEDICATED TUBING PRESENT (Y/N)	Yes dedicated tubing is present
HISTORICAL TOTAL DEPTH (FT)	60
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 33.96 - 37.97
REFERENCE ELEVATION	1813.26
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	36.96
TOTAL DEPTH OF WELL	60.3
GROUNDWATER ELEVATION	1776.3

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Well and Site Information - M-193	
Parameter	**Value**
TASK NAME	GW Monitoring
LOCATION COORDINATES	Latitude=36.04192144, Longitude=-114.9993582, Accuracy=0, Altitude=1813.08, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/29/2020 Friday M-193
FIELD TEAM	A. Crockett
WELL ID	M-193
MEASUREMENT_DATE	5/29/2020 11:02:00 AM
DEDICATED TUBING PRESENT (Y/N)	Yes dedicated tubing is present
HISTORICAL TOTAL DEPTH (FT)	50
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 37.9 - 39.67
REFERENCE ELEVATION	1812.69
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	38.50
TOTAL DEPTH OF WELL	49.7
GROUNDWATER ELEVATION	1774.19

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Well and Site Information - M-190	
Parameter	**Value**
TASK NAME	GW Monitoring
LOCATION COORDINATES	Latitude=36.04127194, Longitude=-114.9993278, Accuracy=0, Altitude=1813.45, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/29/2020 Friday M-190
FIELD TEAM	A. Crockett
WELL ID	M-190
MEASUREMENT_DATE	5/29/2020 11:21:00 AM
DEDICATED TUBING PRESENT (Y/N)	Yes dedicated tubing is present
HISTORICAL TOTAL DEPTH (FT)	50
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 34.81 - 36.84
REFERENCE ELEVATION	1813.06
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	35.66
TOTAL DEPTH OF WELL	50
GROUNDWATER ELEVATION	1777.4

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Well and Site Information - M-192	
Parameter	**Value**
TASK NAME	GW Monitoring
LOCATION COORDINATES	Latitude=36.04165093, Longitude=-115.0007534, Accuracy=0, Altitude=1813.19, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/29/2020 Friday M-192
FIELD TEAM	A. Crockett
WELL ID	M-192
MEASUREMENT_DATE	5/29/2020 11:30:00 AM
DEDICATED TUBING PRESENT (Y/N)	Yes dedicated tubing is present
HISTORICAL TOTAL DEPTH (FT)	50
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 36.51 - 38.71
REFERENCE ELEVATION	1812.83
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	37.45
TOTAL DEPTH OF WELL	50.1
GROUNDWATER ELEVATION	1775.38

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Well and Site Information - M-189	
Parameter	**Value**
TASK NAME	GW Monitoring
LOCATION COORDINATES	Latitude=36.04111141, Longitude=-115.0008322, Accuracy=0, Altitude=1813.21, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/29/2020 Friday M-189
FIELD TEAM	A. Crockett
WELL ID	M-189
MEASUREMENT_DATE	5/29/2020 11:39:00 AM
DEDICATED TUBING PRESENT (Y/N)	Yes dedicated tubing is present
HISTORICAL TOTAL DEPTH (FT)	50
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 33.65 - 35.91
REFERENCE ELEVATION	1812.71
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	35.10
TOTAL DEPTH OF WELL	48.9
GROUNDWATER ELEVATION	1777.61

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Well and Site Information - M-191	
Parameter	**Value**
TASK NAME	GW Monitoring
LOCATION COORDINATES	Latitude=36.04153569, Longitude=-115.0017908, Accuracy=0, Altitude=1813.64, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/29/2020 Friday M-191
FIELD TEAM	A. Crockett
WELL ID	M-191
MEASUREMENT_DATE	5/29/2020 11:53:00 AM
DEDICATED TUBING PRESENT (Y/N)	Yes dedicated tubing is present
HISTORICAL TOTAL DEPTH (FT)	50
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 37.01 - 38.8
REFERENCE ELEVATION	1813.11
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	38.32
TOTAL DEPTH OF WELL	50.1
GROUNDWATER ELEVATION	1774.79

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Well and Site Information - M-144	
Parameter	**Value**
TASK NAME	GW Monitoring
LOCATION COORDINATES	Latitude=36.0408456226951, Longitude=-115.003292366526, Accuracy=0, Altitude=1813.26, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/29/2020 Friday M-144
FIELD TEAM	A. Crockett
WELL ID	M-144
MEASUREMENT_DATE	5/29/2020 12:03:00 PM
DEDICATED TUBING PRESENT (Y/N)	Yes dedicated tubing is present
HISTORICAL TOTAL DEPTH (FT)	45
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 37.19 - 38.79
REFERENCE ELEVATION	1813.38
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	38.45
TOTAL DEPTH OF WELL	44.8
GROUNDWATER ELEVATION	1774.93

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Well and Site Information - M-13	
Parameter	**Value**
TASK NAME	GW Monitoring
LOCATION COORDINATES	Latitude=36.0422165271285, Longitude=-115.002737710969, Accuracy=0, Altitude=1812.98, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/29/2020 Friday M-13
FIELD TEAM	A. Crockett
WELL ID	M-13
MEASUREMENT_DATE	5/29/2020 12:15:00 PM
DEDICATED TUBING PRESENT (Y/N)	Yes dedicated tubing is present
HISTORICAL TOTAL DEPTH (FT)	52.5
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 43.94 - 46.38
REFERENCE ELEVATION	1812.02
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	42.59
TOTAL DEPTH OF WELL	52.5
GROUNDWATER ELEVATION	1769.43
GENERAL COMMENTS	AQUATROLL INSTALLED; TOTAL DEPTH NOT MEASURED. DEPTH TO WATER CONFIRMED ON RE CHECK.

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Well and Site Information

Well and Site Information - M-52	
Parameter	**Value**
TASK NAME	GW Monitoring
LOCATION COORDINATES	Latitude=36.04354026, Longitude=-115.0007374, Accuracy=0, Altitude=1799.3, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/29/2020 Friday M-52
FIELD TEAM	A. Crockett
WELL ID	M-52
MEASUREMENT_DATE	5/29/2020 12:28:00 PM
DEDICATED TUBING PRESENT (Y/N)	Yes dedicated tubing is present
HISTORICAL TOTAL DEPTH (FT)	45
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 39.43 - 42.44
REFERENCE ELEVATION	1802.45
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	39.51
TOTAL DEPTH OF WELL	47.4
GROUNDWATER ELEVATION	1762.94
GENERAL COMMENTS	TOTAL DEPTH CONFIRMED ON RE CHECK

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Well and Site Information

Well and Site Information - M-11	
Parameter	**Value**
TASK NAME	GW Monitoring
LOCATION COORDINATES	Latitude=36.04250143, Longitude=-114.9999922, Accuracy=0, Altitude=1813.7, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/29/2020 Friday M-11
FIELD TEAM	A. Crockett
WELL ID	M-11
MEASUREMENT_DATE	5/29/2020 12:45:00 PM
DEDICATED TUBING PRESENT (Y/N)	No, dedicated tubing is not present.
HISTORICAL TOTAL DEPTH (FT)	58
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 42 - 45.87
REFERENCE ELEVATION	1815.23
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	43.73
TOTAL DEPTH OF WELL	49
GROUNDWATER ELEVATION	1771.5
GENERAL COMMENTS	TOTAL DEPTH CONFIRMED ON RE CHECK

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Well and Site Information

Well and Site Information - M-21	
Parameter	**Value**
TASK NAME	GW Monitoring
LOCATION COORDINATES	Latitude=36.0446891115171, Longitude=-115.002763532489, Accuracy=0, Altitude=1790.59, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/29/2020 Friday M-21
FIELD TEAM	A. Crockett
WELL ID	M-21
MEASUREMENT_DATE	5/29/2020 1:04:00 PM
DEDICATED TUBING PRESENT (Y/N)	No, dedicated tubing is not present.
HISTORICAL TOTAL DEPTH (FT)	43
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 37.45 - 40.77
REFERENCE ELEVATION	1792.18
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	40.40
TOTAL DEPTH OF WELL	43.5
GROUNDWATER ELEVATION	1751.78

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Well and Site Information

Well and Site Information - M-10	
Parameter	**Value**
TASK NAME	GW Monitoring
LOCATION COORDINATES	Latitude=36.0398328051932, Longitude=-115.000285385385, Accuracy=0, Altitude=1833.94, AltitudeAccuracy=0, Heading=0, Speed=0, TimeStamp=1/1/0001 12:00:00 AM +00:00
TASK NO.	H02
TASK MANAGER	Jesse Bunkers
FACILITY NAME	NERT, Henderson, NV
FIELD SCHEDULE ASSIGNED TO WELLS	5/29/2020 Friday M-10
FIELD TEAM	A. Crockett
WELL ID	M-10
MEASUREMENT_DATE	5/29/2020 1:21:00 PM
DEDICATED TUBING PRESENT (Y/N)	Yes dedicated tubing is present
HISTORICAL TOTAL DEPTH (FT)	67
HISTORICAL DEPTH TO WATER (FT)	Historical Range: 40 - 54.13
REFERENCE ELEVATION	1835.1
GENERAL CONDITION OF THE WELL AND SEAL	Good
DRY_INDICATOR_YN	N
WATER LEVEL METER TYPE:	Solinst
WATER LEVEL METER SERIAL NO.	1628
DIP OR ELEVATION	Dip
DEPTH TO WATER (FT BTOC)	53.61
TOTAL DEPTH OF WELL	68
GROUNDWATER ELEVATION	1781.49

Attachment B
Synoptic Depth-to-Water Daily Field Logs

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/27/20
Field Personnel: Crockett		Task No: H02
Location: Site Wide		Reported by: Crockett

Weather Conditions: Sunny, hot

Total Vehicle Mileage: 11 Start 17007 end 17018

Task Visitors / Subcontractors: —

Matters of Safety: Site-specific training, heat, pinch points

Problems / Concerns and Corrective Actions Taken: —

Time	Activities
0600	Arrive Henderson office for site-specific training
0700	Grab supplies from box; replace batteries in water level meter.
0800	Begin measuring water levels for H02.
1606	Arrive back at Henderson office; ~~sample~~ water level measurement paperwork.
1745	Out of office

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/27/20
Field Personnel: PATRICK OWEN		Task No: H02
Location: Site Wide		Reported by: PATRICK OWEN

Weather Conditions: HOT, SUNNY

Total Vehicle Mileage: 25

Task Visitors / Subcontractors: —

Matters of Safety: HEAT

Problems / Concerns and Corrective Actions Taken: N/A

Time	Activities
0600	MEET AT TETRA TECH OFFICE, HOLD SAFETY ORIENTATION, ASSEMBLE FIELD MATERIALS
7:30	DRIVE TO NORTHERN WASH WELLS (NERT), TAKE DTW & TD READINGS
10:45	FINISH NORTHERN WELLS, DRIVE TO SOUTHERN WASH NERT WELLS,
11:15	BEGIN DTW/TD READINGS AT SOUTHERN NERT WELLS
15:00	DRIVE TO LANDFILL AREAS, TAKE DTW/TD READINGS
16:45	RETURN TO OFFICE, FINISH DAILY FORMS.
17:05	LEAVE FIELD OFFICE, TURN IN DAILY FORMS

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/27/20
Field Personnel: Anthony, Andrew, Patrick, Audrey		Task No: H02
Location: Site Wide		Reported by: Anthony Comanche

Weather Conditions: Sunny ~104°F

Total Vehicle Mileage: 20

Task Visitors / Subcontractors: None

Matters of Safety: Heat

Problems / Concerns and Corrective Actions Taken: None

Time	Activities
0600	Safety meeting
0730	leave office w/ supplies and equipment
0736	arrive at first well
1345	finish up last well
1420	went to try to assist patrick
1530	arrive back at office to drop off paperwork

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/27/20
Field Personnel: A. Morgan		Task No: H02
Location: Site Wide		Reported by: A. Morgan

Weather Conditions: Sunny

Total Vehicle Mileage: 30

Task Visitors / Subcontractors: None

Matters of Safety: heat, traffic

Problems / Concerns and Corrective Actions Taken: None

Time	Activities
0600	Meet @ Henderson TT field office. tailgate safety meeting/site orientation with gauging team and Kyle Hanson.
0700	load equipment into vehicle, grab buckets from conex box
0730	mob to first well.
0915	finish ~~gauging~~ gauging SNAP and Patron wells. Mob to Sisson property
0930	check in/safety orientation @ Sisson property.
1000	~~gauging~~ gauging Sissons wells
1245	finish Sissons wells
1315	gauging SNAP wells. notified SNAP and Scrap Yard personal prior to entering sites
1430	gauging WS wells. unable to access MC-50 (no key to lock)
1600	finish gauging WS wells, mob back to office. Dump decon water @ pond.

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/28/2020
Field Personnel: Crockett		Task No: H02
Location: Site Wide		Reported by: Crockett

Weather Conditions: Hot, Sunny

Total Vehicle Mileage: 16 start 17021 end 17037

Task Visitors / Subcontractors: —

Matters of Safety: Heat

Problems / Concerns and Corrective Actions Taken: —

Time	Activities
0600	Arrive Henderson office for safety meeting
0645	Proceed to EMD to gauge wells.
1600	Arrive Back at Henderson office; paperwork and field form organization and reporting.
1700	Leave Office.

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/28/20
Field Personnel: PATRICK OWEN		Task No: H02
Location: Site Wide		Reported by: PATRICK

Weather Conditions: SUNNY, HOT

Total Vehicle Mileage: 35

Task Visitors / Subcontractors: –

Matters of Safety: HEAT

Problems / Concerns and Corrective Actions Taken: N/A

Time	Activities
600	ARRIVE ONSITE, CONDUCT SAFETY TAILGATE, DISCUSS HEAT STRESS
630	DEPART FIELD OFFICE, DRIVE TO CHIMERA WELLS
700	BEGIN DTW/TD READINGS OF CHIMERA WELLS
10:20	DEPART CHIMERA, DRIVE TO LVW.
10:30	BEGIN DTW/TD READINGS AT LVW WELLS
13:00	DISCUSS ADDITIONAL WELLS TO BE SAMPLED AT LVW DUE TO INJECTION WORK TOMMOROW
13:30	DRIVE BACK TO LVW TO SA TAKE DTW/TD @ LVW WELLS.
16:00	RETURN TO FIELD OFFICE, FILL OUT DAILY PAPER WORK
16:15	DEPART FIELD OFFICE

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/28
Field Personnel: Anthony, Andrew, Patrick, Audrey		Task No: H02
Location: Site Wide		Reported by: Anthony

Weather Conditions: Sunny ~ 111°F

Total Vehicle Mileage: 55

Task Visitors / Subcontractors: None

Matters of Safety: Heat

Problems / Concerns and Corrective Actions Taken: None

Time	Activities
0600	Full gang safety meeting
0730	began first well
0806	Called Larry Reade
0926	ES-17 available to measure
1353	Finished last well
1420	helped Patrick
1445	arrive at office for paperwork

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/28/20
Field Personnel: A Morgan		Task No: H02
Location: Site Wide		Reported by: A. Morgan

Weather Conditions: Sunny

Total Vehicle Mileage: 18

Task Visitors / Subcontractors: None

Matters of Safety: heat, insects, traffic

Problems / Concerns and Corrective Actions Taken: None

Time	Activities
0600	Meet @ Henderson TT field office, Hazlds and Safety tailgate meeting with groundwater gauging team.
0630	mob to first well. Gauge SNWR and NERT wells today.
1430	gauge may be reading on TR-1. 0 PSI upon arrival, jumped the IFB adder opening port (trabucheeding). Back to 0 after port closed again.
1530	Mob back to office. complete well inventory for the day and dispose of decon water @ pond.

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/29/2020
Field Personnel: Crockett		Task No: H02
Location: Site Wide		Reported by: Crockett

Weather Conditions: Hot, Sunny

Total Vehicle Mileage: 8 start 17040 end 17048

Task Visitors / Subcontractors: —

Matters of Safety: Heat, driving

Problems / Concerns and Corrective Actions Taken: —

Time	Activities
0600	Arrive Henderson office for safety meeting
0645	Arrive EMD for gauging.
1345	Arrive Back at Henderson office; finish paperwork, pack & prep water level meters to return to Equipco

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/29
Field Personnel: PATRICK OWEN		Task No: H02
Location: Site Wide		Reported by: PATRICK OWEN

Weather Conditions: SUNNY, HOT

Total Vehicle Mileage: 20

Task Visitors / Subcontractors: —

Matters of Safety: HEAT

Problems / Concerns and Corrective Actions Taken: N/A

Time	Activities
0600	ARRIVE AT FIELD OFFICE, HOLD SAFETY TAILGATE. DISCUSS PLAN FOR THE DAY
0630	DEPART FIELD OFFICE, DRIVE TO LUW WELLS TO TAKE DTW/TD READINGS
0830	DRIVE TO CHIMERA TO TAKE DTW/TD READINGS
1000	FINISH WELL READINGS, RETURN TO FIELD OFFICE TO RETURN FIELD EQUIPMENT & FINISH DAILY FORMS

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/29/20
Field Personnel: Anthony, Andrew, Patrick, Audrey		Task No: H02
Location: Site Wide		Reported by: Anthony

Weather Conditions: Sunny ~ 107°F

Total Vehicle Mileage: 20

Task Visitors / Subcontractors: None

Matters of Safety: Heat

Problems / Concerns and Corrective Actions Taken: None

Time	Activities
0600	tail gate Safety meeting
0634	Arrive at first well
0805	Enter the WTP
1050	Exit the WTP
1100	Arrive back at office

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/29/12
Field Personnel: A. Mayer		Task No: H02
Location: Site Wide		Reported by: A Mayer

Weather Conditions: Sunny

Total Vehicle Mileage: 7

Task Visitors / Subcontractors: None

Matters of Safety: heat, traffic

Problems / Concerns and Corrective Actions Taken: None

Time	Activities
0600	Meet @ Henderson TT field office. Health and Safety meeting with groundwater monitoring well gauging team
0630	Mob to first well on NERT Site
1015	gauge all wells on rect. drop purge water @ pond. Mob back to office to unload equipment and prep rentals for return.
1200	Complete well inventory. Move equipment to conex box.
1300	upload field docs
1400	drop off rental equipment at fedex

Attachment C
Transducer Data Download Log

TETRA TECH

TRANSDUCER DATA DOWNLOAD LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task No: H02	WLM Type: Solinst
Task Manager: Jesse Bunkers	Recorded by: J Bunkers	WLM Serial Number: 269523

Well ID	Date	Time of Manual Measurement	Manual Depth to Static Water Level (ft BMP)	Measuring Point	Transducer Serial Number	Time of Transducer Removal	Time of Transducer Redeployment*	Notes
PC-56				TOC	532223			
PC-88				TOC	532154			
PC-136	5/6/20	0725	33.18	TOC	532216	0725	0800	
PC-137	5/5/20	1245	32.50	TOC	532214	1245	1400	
PC-137D	5/6/20	0812	30.68	TOC	532429	0812	0900	
PC-98R				TOC	532109			
PC-125	5/7/20	0909	23.52	TOC	532222	0909	1100	
PC-130	5/7/20	1040	20.44	TOC	532188	1040	1200	
PC-152	5/7/20	1130	8.29	TOC	532226	1130	1200	
PC-67				TOC	532423			
PC-64	5/7/20	1215	11.40	TOC	532180	1215	1300	
PC-40R	5/8/20	0720	20.15	TOC	532148	0720	0900	
M-156	5/8/20	0914	18.82	TOC	532421	0914	1100	
M-152	5/12/20	0825	24.17	TOC	532219	0825	1000	
M-163				TOC	532118			
M-44	5/12/20	0939	22.60	TOC	532224	0939	1100	
M-145				TOC	532114			
M-193	5/14/20	0923	38.65	TOC	532194	0923	1100	
M-189	5/14/20	1330	35.21	TOC	532218	1330	1500	
M-13				TOC	532399			
PC-157A	5/4/20	0639	9.90	TOC		0639	0800	
PC-157B	5/5/20	0834	10.01	TOC		0834	1000	

*Deployment time is equal to the time that the log was set to begin recording readings.

M-162D 5/12/20 1158 9.26 1158 1300 reinstalled 1309

TETRA TECH

TRANSDUCER DATA DOWNLOAD LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task No: H02	WLM Type: Solinst
Task Manager: Jesse Bunkers	Recorded by: J. Bunkers	WLM Serial Number: 269523

Well ID	Date	Time of Manual Measurement	Manual Depth to Static Water Level (ft BMP)	Measuring Point	Transducer Serial Number	Time of Transducer Removal	Time of Transducer Redeployment*	No Lock Notes
WMW5.7N	5/19/20	0818	08.25	TOC	0042069904	0818	0900	log was stopped before arrival
WMW6.15N	5/19/20	0923	22.64	TOC	0042069891	0923		com. error - App
WMW6.55S				TOC	0042069889			
WMW6.9N				TOC	0042068798			
WMW6.9S				TOC	0042067219			
NERT3.35S1	5/19/20	1130	17.31	TOC	2103389	1130	1300	★
NERT3.40S1	5/19/20	1204	38.45	TOC	2103397	1204	1300	★
NERT3.58N1	5/15/20	1039	39.59	TOC	2099333	1039	1215	★
NERT3.58S1	5/19/20	1304	34.72	TOC	0042103374	1304	1330	★
NERT3.60N1	5/18/20	1202	37.96	TOC	2103394	1202	1310	★
NERT3.60S1	5/20/20	0730	38.32	TOC	0042103390	0730	0740	★
NERT3.63S1	5/20/20	0810	18.20	TOC	2103383	0810	0820	★
NERT3.98S1	5/20/20	0924	10.52	TOC	2103375	0924	0932	★
NERT4.64~~N~~S1	5/20/20	1107	27.10	TOC	0042103377	1107	1120	★
NERT4.64~~9~~N1				TOC	2099355			
NERT4.65N1				TOC	2103021			
NERT4.70N1				TOC	2012672			
NERT4.71N1				TOC	2103382			
NERT4.71S2				TOC	2102696			Eijkelkamp transducer
~~S3.60SW~~ S3.60SW	5/19/20	1240	1.02 staff gauge	TOC	2065593	—	—	Could not connect App interface
S3.75 SW	5/20/20	0755	1.32 staff gauge	TOC	2069264	—	—	★
S3.80 SW	5/20/20	0830	2.42 bTOC	TOC	2066083	—	—	★ silted in. no gauge
S4.65 SW	5/22/20	1030	4.32 staff gauge	TOC	2065604			unable to locate
S4.60 SW	5/20/20	0950	2.05 bTOC	TOC	2065556	—	—	★ No gauge, silted in
S4.75 SW				TOC	2066055			unable to locate
S5.30 SW	5/22/20	0730	5.65 staff gauge	TOC	2066095	—	0800	log was stopped upon arrival

*Deployment time is equal to the time that the log was set to begin recording readings.

Log stopped upon arrival, Silted in

Silted in

★ Continuous log, not stopped/restarted

DBMW-18 5/22/20 1140 62.05 TOC 532192 1140

TETRA TECH

TRANSDUCER DATA DOWNLOAD LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task No: H02	WLM Type: Solinst
Task Manager: Jesse Bunkers	Recorded by: J. Bunkers	WLM Serial Number: 269523

Well ID	Date	Time of Manual Measurement	Manual Depth to Static Water Level (ft BMP)	Measuring Point	Transducer Serial Number	Time of Transducer Removal	Time of Transducer Redeployment*	Notes
AA-30				TOC	0042069913			
COH2B1				TOC	0042069892			
LNDMW1				TOC	0042069896			
LNDMW2				TOC	0042069894			
MW-13				TOC	0042069903			
MW-20				TOC	0042069901			
NERT3.80S1	5/20/20	0830	9.28	TOC	0042081484	0830	0840	★
NERT4.21N1	5/18/20	1320	34.91	TOC	0042081156	1320	1350	★
NERT4.38N1				TOC	0042087052			
NERT4.51S1	5/20/20	1050	25.98	TOC	0042081153	1050	1055	★
NERT4.71S1	5/20/20	1155	28.74	TOC	0042086019	1155	1207	★
NERT4.93S1				TOC	0042087067			
NERT5.11S1				TOC	0042086183			
NERT5.49S1				TOC	0042086023			
NERT5.91S1				TOC	0042081460			
PC-74				TOC	0042067239			
PC-77				TOC	0042063359			
WMW3.5N				TOC	0042069895			
WMW3.5S				TOC	0042065098			
WMW4.9N	5/19/20	0856	31.71	TOC	0042069885	0856		Communication error App
WMW4.9S				TOC	0042069899			
WMW4.9S (Barologger)				TOC	0012069737			
WMW5.58S				TOC	0042069897			
WMW5.58S1				TOC	0042069897			
WMW5.5S				TOC	0042069900			

*Deployment time is equal to the time that the log was set to begin recording readings.

★ Not able to Stop/Restart log using App Interface

AA-UW2 5/20/20 1302 65 TOC 532184 1302 1400

TETRA TECH

TRANSDUCER DATA DOWNLOAD LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task No: H02	WLM Type: Solinst
Task Manager: Jesse Bunkers	Recorded by: Jesse Bunkers	WLM Serial Number: 269523

Well ID	Date	Time of Manual Measurement	Manual Depth to Static Water Level (ft BMP)	Measuring Point	Transducer Serial Number	Time of Transducer Removal	Time of Transducer Redeployment*	Notes
MCF-06B	6/22/2020	0927	55.09	TOC	532419	0928	1200	
MCF-06C	6/22/2020	0941	55.08	TOC	532430	0943	1200	
				TOC				
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*Deployment time is equal to the time that the log was set to begin recording readings.

TETRA TECH

TRANSDUCER DATA DOWNLOAD LOG

NERT, Henderson, NV

Task Name: GW Monitoring | Task No: H02 | WLM Type: SOLINST

Task Manager: Jesse Bunkers | Recorded by: Crockett | WLM Serial Number: 1628

Well ID	Date	Time of Manual Measurement	Manual Depth to Static Water Level (ft BMP)	Measuring Point	Transducer Serial Number	Time of Transducer Removal	Time of Transducer Redeployment*	Notes
AA-30	5/22/20	1108	18.75	TOC	0042069913	1102	1200	Synchronize time
COH2B1	5/20/20	0734	16.55	TOC	0042069892	0735	0800	Synchronize time
LNDMW1	5/20/20	1335	~~36.36~~ 36.60	TOC	0042069896	1335	1400	Synchronize time
LNDMW2	5/19/20	1228	33.93	TOC	0042069894	1224	1245	Transducer stopped due to full memory. Synchronize time
MW-13	5/21/20	1239	35.10	TOC	0042069903	1239	1330	Synchronize time
MW-20	5/21/20	0959	32.66	TOC	0042069901	0959	1100	Synchronize time
NERT3.80S1				TOC	0042081484			
NERT4.21N1				TOC	0042081156			
NERT4.38N1	5/19/20	0748	32.36	TOC	0042087052	0750	0845	Synchronize time
NERT4.51S1				TOC	0042081153			
NERT4.71S1				TOC	0042086019			
NERT4.93S1	5/20/20	0856	27.49	TOC	0042087067	0856	1030	Synchronize time
NERT5.11S1	5/20/20	0958	11.73	TOC	0042086183	0954	1000	Synchronize time
NERT5.49S1	5/20/20	0850	26.47	TOC	0042086023	0853	0900	Synchronize time
NERT5.91S1	5/20/20	0802	13.29	TOC	0042081460	0804	0815	Synchronize time
PC-74	5/15/20	0739	10.57	TOC	0042067239	0730	0900	Synchronize time
PC-77	5/16/20	1029	5.41	TOC	0042063359	1029	1215	pressurized; DTW red. 5.15
WMW3.5N	5/19/20	1125	34.07	TOC	0042069895	1125	1145	Synchronize time
WMW3.5S	5/20/20	1138	42.31	TOC	0042065098	1138	1145	Synchronize time
WMW4.9N	5/19/20	0926	31.73	TOC	0042069885		0930	Synchronize time
~~WMW4.9S~~ WMW6.9S	5/19/20	1400	9.88	TOC	~~0042069899~~ 0012067219	1402	1415	Synchronize time
WMW4.9S (Barologger)	5/20/20	1312	24.38	TOC	0012069737	1252	1315	Synchronize time
WMW5.58S	5/20/20	0820	16.80	TOC	0042069897	0822	0830	Synchronize time
WMW5.58S1				TOC	0042069897			
WMW5.5S	5/20/20	0918	13.73	TOC	~~0042069900~~ 0042081486	0920	0930	Synchronize time

*Deployment time is equal to the time that the log was set to begin recording readings.

TETRA TECH

TRANSDUCER DATA DOWNLOAD LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task No: H02	WLM Type: SOLINST
Task Manager: Jesse Bunkers	Recorded by: Crockett	WLM Serial Number: 1628

Well ID	Date	Time of Manual Measurement	Manual Depth to Static Water Level (ft BMP)	Measuring Point	Transducer Serial Number	Time of Transducer Removal	Time of Transducer Redeployment*	Notes
WMW5.7N				TOC	0042069904			
WMW6.15N	5/19/20	0923	22.64	TOC	0042069891	0923	1000	Synchronize time
WMW6.55S				TOC	0042069889			
WMW6.9N	5/19/20	1050	18.17	TOC	0042068798	1052	1115	Synchronize time
~~WMW6.9S~~ Acc WMW6.9S	5/20/20	1312	26.38	TOC	~~0042067219~~ 0042067219	1252	1315	Synchronize time
NERT3.35S1				TOC	2103389			
NERT3.40S1				TOC	2103397			
NERT3.58N1				TOC	2099333			
NERT3.58S1				TOC	0042103374			
NERT3.60N1				TOC	2103394			
NERT3.60S1				TOC	0042103390			
NERT3.63S1				TOC	2103383			
NERT3.98S1				TOC	2103375			
NERT4.64N1	5/15/20	1225	23.06	TOC	0042103377	1225	1300	Synchronize time
NERT4.64S1				TOC	2099355			
NERT4.65N1	5/15/20	1042	24.09	TOC	2103021	1042	1210	Unable to download; COM error
NERT4.70N1	5/18/20	0753	24.90	TOC	2012672	0750	0900	Synchronize time
NERT4.71N1	5/18/20	0916	27.81	TOC	2103382	0916	1015	Synchronize time
NERT4.71S2				TOC	2102696			
S3.60 SW				TOC	2065593			
S3.75 SW				TOC	2069264			
S3.80 SW				TOC	2066083			
S4.65 SW				TOC	2065604			
S4.60 SW				TOC	2065556			
S4.75 SW				TOC	2066055			
S5.30 SW				TOC	2066095			

*Deployment time is equal to the time that the log was set to begin recording readings.

TETRA TECH

TRANSDUCER DATA DOWNLOAD LOG

NERT, Henderson, N

Task Name: GW Monitoring | Task No: H02 | WLM Type: SOLINST

Task Manager: Jesse Bunkers | Recorded by: Crockett | WLM Serial Number: 1628

Well ID	Date	Time of Manual Measurement	Manual Depth to Static Water Level (ft BMP)	Measuring Point	Transducer Serial Number	Time of Transducer Removal	Time of Transducer Redeployment*	Notes
PC-156A	5/5/20	1246	7.85	TOC	532109	1246	1415	DTW@ redeployment 7.86
PC-156B	5/6/20	0709	9.83	TOC	532213	0709	0945	DTW@ redeployment 9.86
PC-155A	5/4/20	1155	12.69	TOC	532465	1203	1415	DTW@ redeployment 12.66
PC-155B	5/18/20	1405	12.25	TOC	532217	1405	1430	Well development activity nearby
M-163	5/11/20	0945	26.10	TOC	532118	0945	1130	DTW@ redeployment 30.06
M-25	5/11/20	1137	31.17	TOC	532399	1137	1230	DTW@ redeployment 31.16
M-13	5/13/20	1200	42.56	TOC	532162	1200	1408	Device name in file is incorrect
PC-88	5/18/20	1341	5.64	TOC	532154	1338	1400	
PC-98R	5/18/20	1242	20.90	TOC	532109	1245	1300	
PC-67	5/7/20	0946	15.55	TOC	532423	0946	1100	DTW@ 1122 15.55
				TOC				
				TOC				
				TOC				
				TOC				
				TOC				
				TOC				
				TOC				
				TOC				
				TOC				
				TOC				

*Deployment time is equal to the time that the log was set to begin recording readings.

Attachment D
Sampling Daily Field Logs

TETRA TECH **FIELD INVESTIGATION DAILY LOG** PC 58 Page 1 of ___

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/4/20
Field Personnel: Dylan Davis		Task No: H02
Location: Site Wide		Reported by:

Weather Conditions: Sunny, high in low 90's.

Total Vehicle Mileage: 92960 / 92486 26 miles

Task Visitors / Subcontractors:

Matters of Safety: sun, heat, critters

Problems / Concerns and Corrective Actions Taken:

Time	Activities
0600	Arrive at TT Henderson
0605	Begin safety meeting, cover HASP, sampling plan, Bladder
0700	Assemble equipment for sampling
0900	Begin sampling on PC-58
1110	Sample PC-58
1200	Return to office for pump and correct fitting
1300	Arrive at PC-79
1400	Sampled PC-79. Depart for office
1420	Arrived at office to complete decon of equipment.
1624	Calibration of equipment
1630	End of day.

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: May 4, 2020
Field Personnel: Ron Phillips		Task No: H02
Location: Site Wide		Reported by:

Weather Conditions: Sunny, hot

Total Vehicle Mileage: 27

Task Visitors / Subcontractors:

Matters of Safety:

Problems / Concerns and Corrective Actions Taken:

Time	Activities
0600	Meet and Henderson office For kickoff meeting. Load equipment
~0915	Drive to PC-58, discuss procedures, set up
10:19	Start purge PC58
11:10	Sample PC58, Decon, Pack up PC-58-20200504, also duplicate PC-58-20200504-FD #7
1150	Drive to PC86. Set up. DTW = 11.72
1227	Start purging PC-86
1312	Final set of readings → stable
1318	Collect sample PC-86-20200504. Sample type 4.
1330	Decon and pack equipment
1350	Drive to office; unload samples, give COC to B.C.
1415	Calibration

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/4/2020
Field Personnel: Audrey Crockett		Task No: H02
Location: Site Wide		Reported by:

Weather Conditions: Sunny, Warm

Total Vehicle Mileage: 30

Task Visitors / Subcontractors: ____

Matters of Safety: COVID-19
Heat, lone worker

Problems / Concerns and Corrective Actions Taken:

Time	Activities
0600	Arrive at Henderson office for safety meeting/kick off
0900	Arrive at PC-58 for sampling demo
1130	Arrive at PC-155A/B to Sample
1430	Leave PC-155A/B
1450	Arrive Henderson office; Sample paperwork; calibrate YSI

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/4/20
Field Personnel: A. Morgan		Task No: H02
Location: Site Wide		Reported by: A. Morgan

Weather Conditions: Sunny

Total Vehicle Mileage: 15

Task Visitors / Subcontractors:

Matters of Safety: heat, driving

Problems / Concerns and Corrective Actions Taken:

Time	Activities
0600	Meet at Henderson field office, safety meeting / SDS acceptance.
0700	Setting up equipment for day
0900	mob to PC-58, sample well as grab
1230	Sample MW07A
1410	mob back to office
1500	relinquish COC, calibrate YSI, dump purge water GW11, prep for tomorrow

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/4/20
Field Personnel: Bounkheana		Task No: H02
Location: Site Wide		Reported by: Bounkheana

Weather Conditions: Sunny, warm

Total Vehicle Mileage: 26

Task Visitors / Subcontractors:

Matters of Safety:

Problems / Concerns and Corrective Actions Taken:

Time	Activities
0600	Meet at Henderson office - kick off meeting
0700	begin packing equipment into truck
0900	Mobilize to site to sample PC-58 with group
1110	Sample PC-58
1150	Arrive at PC-155 with A. Crockett
1226	Arrive at PC-97 for sampling
1337	Decon pump - leave PC-97
1400	Offsite to office

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: May 5 2020
Field Personnel: Ron Phillips		Task No: H02
Location: Site Wide		Reported by:

Weather Conditions: AM - Sunny

Total Vehicle Mileage: Begin 4935 End 4952 = 17 miles

Task Visitors / Subcontractors: None

Matters of Safety:

Heat

Problems / Concerns and Corrective Actions Taken:

Time	Activities
0600	Meet at office, load equipment, safety meeting
0630	Drive to ARP-2A
0640	Arrive ARP-2A. Set up
0710	Begin purging ARP-2A
0746	Sample ARP-2A, then clean up, decon
0830	Arrive PC 144
0850	Start purging PC 144
0925	Sample PC 144. Then decon, move to PC-134D, set up
1035	Start purging PC-134D
1132	Sample PC-134D. Then decon, move to PC-135A
1236	Begin purging ~~1236~~ PC-135A at 12:36
1321	Sample PC-135A
1345	Packup, decon WL probe, replace bolt at PC-134D, leave water ~~level~~ treatment plant
1440	Arrive office, turn in samples, ~~the~~ calibration

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/5/20
Field Personnel: B. Chhun		Task No: H02
Location: Site Wide		Reported by: B. Chhun

Weather Conditions: Warm, sunny

Total Vehicle Mileage: 5898.1 5918.9 =21

Task Visitors / Subcontractors:

Matters of Safety:

Problems / Concerns and Corrective Actions Taken:

Time	Activities
0600	Tailgate safety meeting
0640	arrive at PC-94
0740	leave Las Vegas Wash
0800	EMD contractor Training
0845	Arrive at PC-91
1000	Arrive at PC-56
10[illegible] 1140	Arrive at DBMW-4
1330	Arrive at office to purge IDW, calibrate equipment and prepare sample kits

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/5/2020
Field Personnel: A. Crockett		Task No: H02
Location: Site Wide		Reported by: A. Crockett

Weather Conditions: Sunny, Warm

Total Vehicle Mileage: 28 Start 5937 end 5965

Task Visitors / Subcontractors: —

Matters of Safety: Heat; Sticks/brush

Problems / Concerns and Corrective Actions Taken:

Time	Activities
0600	Arrive Henderson office for Safety mtg
0642	Arrive PC-155A/B for sampling
0736	Leave PC-155A/B for EMB safety training
1005	Arrive PC-155A/B for sampling
1230	Arrive PC-156A/B for sampling
1430	Return to office; Sample paperwork; Calibrate YSI

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/5/20
Field Personnel: JB, BC, AM, RP, DD, AC		Task No: H02
Location: Site Wide		Reported by: J. Bunkers

Weather Conditions: 78-90°F

Total Vehicle Mileage: 20

Task Visitors / Subcontractors: None

Matters of Safety:

Heat Stress

Problems / Concerns and Corrective Actions Taken:

None

Time	Activities
0600	Meet sampling team at Tt office, tailgate safety meeting, gather supplies, mobe to field
0630	Arrive at PC-157A-20200505, download transducer
0714	Collect samples PC-157A-20200505 and PC-157A-20200505-FB5, decon, move to PC-157B, download transducer
0920	Collect PC-157B-20200505 and PC-157B-20200505-TB3, decon, mobe to Tt office to pick up GeoTech AT600
1130	Arrive at PC-96, set up to sample, AT600 flowcell missing connector, and missing adapter to cable/computer, proceed using YSI ProDSS
1200	Collect sample PC-96-20200505, decon mobe to Henderson WTP to PC-137, fill out CoH CoVid HFS online check-in form, download transducer, add new tubing
1335	Collect sample PC-137-20200505, decon, breakdown equipment, mobe to Tt office
1430	Arrive at Tt office, pack coolers, calibrate YSI
1500	Hand off samples to Eurofins courier
1600	Dump purge water at GW-11, prep for tomorrow
1700	Done for day

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/6/20
Field Personnel: Dylan Davis		Task No: H02
Location: Site Wide		Reported by:

Weather Conditions: Sunny, high of 95°

Total Vehicle Mileage: 92531 / 92545 = 14 miles

Task Visitors / Subcontractors:

Matters of Safety: Heat, sun, critters

Problems / Concerns and Corrective Actions Taken: Drink H_2O, sunscreen, early start

Time	Activities
0600	Arrive at office. Tailgate safety meeting. Assemble gear. Leave for sampling
~~0638~~	
0638	Arrive at PC-82
0711	Begin Purge of PC-82
0731	Collect sample of PC-82. Collect FB-17
0811	PC-82 complete. Begin decon of equipment
0836	Arrive at HM-2. Keys provided do not unlock padlock on well. Moving to next well.
	Next well is in water treatment plant. Begin necessary check in procedure for entering water treatment plant
0907	Temperature 97.4°F. Entering WTP to sample PC-122
0913	Arrive at PC-122
1042	Completed sampling PC-122. Sample at 1093. Decon and complete paperwork. Move to ARP-6B
1047	Arrive at ARP-6B. Begin setup and paperwork
1132	~~Con~~ Sampled ARP-6B. Begin equipment breakdown and decontamination.
1208	Finished paperwork. Head to ARP-5A
1210	Arrive at ARP-5A. Begin setup
1245	Begin sampling ARP-5A
304	Complete sampling at ARP-5A. Decon equipment and complete paperwork
1325	Completed decon and break down of sampling equipment. Depart Henderson water treatment plant
1430	Calibrate equipment. Prepare samples for shipment. Prepare sample kits for tomorrow.
1530	Calibration complete, paperwork complete. Kits packed for tomorrow. Off-site.

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/5/20
Field Personnel: A. Morgan		Task No: H02
Location: Site Wide		Reported by: A. Morgan

Weather Conditions: Sunny

Total Vehicle Mileage: 16

Task Visitors / Subcontractors:

Matters of Safety: heat, driving

Problems / Concerns and Corrective Actions Taken:

Time	Activities
0600	Meet @ Henderson Tt field office, load equipment in vehicles. Tailgate safety meeting with Sampling team
0630	Mob to 1st well. Sample wells MW01A, MW08C, PC-90, PC-110 in wash order.
1300	Complete Henderson (city) health survey to enter WTP. Temp < 100° Sampled well MW-K5 in Henderson WTP
1430	Mob back to office, drop off/load purge water @ pond, relinquish samples to TA Carrier, Calibrate YSI and prep sample kits for tomorrow.

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/6/2020
Field Personnel: A. Crockett		Task No: H02
Location: Site Wide		Reported by: A. Crockett

Weather Conditions: Sunny, Warm

Total Vehicle Mileage: 15 Start 5973 END 5988

Task Visitors / Subcontractors: —

Matters of Safety:

Problems / Concerns and Corrective Actions Taken:

Time	Activities
0600	Arrive Henderson office - safety meeting
0650	Arrive PC-156 A/B for sampling
1023	Arrive PC-77 for sampling
1300	Arrive PC-98R for sampling
1440	Arrive Henderson office - sample paperwork & prep for tomorrow
	Calibrate YSI

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/6/20
Field Personnel: Dylan Davis		Task No: H02
Location: Site Wide		Reported by:

Weather Conditions: Sunny, high of 102°

Total Vehicle Mileage: 92591 / 92605 = 14 miles

Task Visitors / Subcontractors:

Matters of Safety: Heat

Problems / Concerns and Corrective Actions Taken:

Time	Activities
0609	Arrive at Henderson office. Pack equipment. Conduct safety meeting.
0633	Depart for HM-2
0658	Arrive at HM-2. Begin set-up on HM-2. Cut lock on HM-2
0750	Sample HM-2
0816	Sampling HM-2 complete. Decon and paperwork complete. Move to MW-K4. Lock provided for HM-2 does not unlock with keys provided and no keys in lock package.
0835	Arrived at MW-K4. Well is in middle of road and in turning radius of large trucks entering yard to south.
0840	Table 2 lists screened interval from 9.0ft to 49.5ft but well only goes 44.9 deep.
0931	Air compressor blew a line befor sampling. Attempting to repair
0948	Compressor moisture purge valve pressure line burst. Taped up w/ electrical tape and held enough pressure to sample.
1012	Completed sampling and decon of ~~HM~~ MW-K4. Sample collected of 0931. Paper work complete. Heading to ARP-3A
1013	Arrive at ARP-3A
1100	Sample ARP-3A and collect FD-8
1149	Samples collected, equipment decon'd, paperwork complete. Move to ARP-4A
1215	Insufficient water in ARP-4A. Paperwork and decon complete.
1239	Located ARP-1. Begin setup
1300	Sample ARP-1
1320	Sampling and decon complete. Move to PC-18
1325	Arrive at PC-18. Begin setup
1400	Sampled PC-18.
1415	Sampling complete. Depart site for Henderson office.
1530	Decon equipment and calibrate YSI.
1616	Sample kits for tomorrow complete. Leave for day.

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5-6-20
Field Personnel: Ron Phillips		Task No: H02
Location: Site Wide		Reported by: Ron Phillips

Weather Conditions: Sunny 70° am, 100° pm

Total Vehicle Mileage: 10

Task Visitors / Subcontractors:

Matters of Safety:

Problems / Concerns and Corrective Actions Taken:

Time	Activities
0600	Load up, safety meeting
0630	Drive to WTP
0645	Arrive WTP. Set up at PC-101R
0711	Start purging PC-101R
0746	Sample PC-101R. Decon. Move to PC-134A
0855	Start purging PC-134A
0914	Sample PC-134A. Decon. Leave WTP site
1030	Arrive at PC-55. Set up.
1058	Start purging PC-55
1126	Sample PC-55. Decon. Called Field Blank PC-55-20200506FB7
1230	Move to PC-143. Set up.
1245	Start purging PC-143
1321	Sample PC-143.
1335	Decon, pack up all equip
1400	Check to see if Dylan needs help, leave area
1415	Arrive office, turn in samples. Then multi-meter calibration and take purge water to GW-11. Prep kits for tomorrow

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/6/20
Field Personnel: BChhun		Task No: H02
Location: Site Wide		Reported by: BChhun

Weather Conditions: Sunny, Warm

Total Vehicle Mileage: 5925.9 — 5944.8

Task Visitors / Subcontractors: NA

Matters of Safety:
Heat

Problems / Concerns and Corrective Actions Taken:

Time	Activities
0600	Meet at office for health and safety
0630	Mob to LNW area
0655	Arrive at PC-60
0830	Replace O-rings in pump
0835	Arrive at PC-59
0958	Arrive at PC-62
1130	Arrive at PC-108
1303	Arrive at PC-103
1415	Arrive at PC-146 - Insufficient water to sample
1440	Back at office for sample dispose, calibration, etc

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/6/20
Field Personnel: AM		Task No: H02
Location: Site Wide		Reported by: A. Morgan

Weather Conditions: Sunny

Total Vehicle Mileage: 16

Task Visitors / Subcontractors:

Matters of Safety: Heat, hydration

Problems / Concerns and Corrective Actions Taken:

Time	Activities
0600	Meet @ Henderson TT field office, prep supplies and load vehicles tailgate safety meeting w/ H02 Sampling crew.
0630	Mob to first well
	Sampled wells PC-(53, 2, 4, 148, and 142) checked PC-147 @ 1230 (Dry)
1430	return to TT field office, drop off samples, purge water, and equipment. Calibrate YSI and prep sample kits for tomorrow.

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/7/20
Field Personnel: JB, BC, AC, AM, DD, RP		Task No: H02
Location: Site Wide		Reported by: Jesse Bunkers

Weather Conditions: 85-95°F

Total Vehicle Mileage: 20

Task Visitors / Subcontractors: None

Matters of Safety:

Traffic

Problems / Concerns and Corrective Actions Taken:

Time	Activities
0600	Meet TT sampling team at TT office, tailgate safety meeting, gather supplies, mobe to field
0745	Arrive at PC-1 at Henderson WTP. 1ft of water at bottom of well, not enough to sample. Call NBSCO, barricades not set up on Sunset Rd yet. Abandoned car parked over PC-123, Police will not tow it, DD to sample PC-123 from under car.
0830	To Office Max to pick up laptop cooler
0845	NBSCO installing barricades, all samplers sampling on Sunset Rd
0900	Arrive at PC-125, set up to sample and download transducer
0945	Collect sample PC-125-20200507, redeploy transducer, set to start@1100, decon, mobe to PC-130
1110	Collect sample PC-130-20200507, redeploy transducer, decon, mobe to PC-152
1205	Collect sample PC-152-20200507, redeploy transducer, decon, mobe to PC-31
1235	PC-31 covered by road construction steel plates
1300	Arrive at PC-64 to help AC collect samples
1400	Dispose purge water at GW-11, return to office, pack sample coolers calibrate YSI
1500	Hand off samples to lab courier
1600	Done for day

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/7/20
Field Personnel: Dylan Davis		Task No: H02
Location: Site Wide		Reported by:

Weather Conditions: Sunny, high of 95°

Total Vehicle Mileage: 92693 / 92749

Task Visitors / Subcontractors:

Matters of Safety: Traffic today when applicable. Sun, heat, critters.

Problems / Concerns and Corrective Actions Taken:

Time	Activities
0600	Arrive at Henderson office. Safety meeting, load equipment. Return to HM-2 to install appropriate lock
0738	Arrive at PC-123 on Sunpac. ~~Abandoned~~ vehicle parked over well. ~~Moving to PC-142.~~ Henderson PD arrived. Trying to locate owner and get moved. Move to PC-142 while they sort it out.
0823	Arrive at PC-142. Begin setup for purge and sampling.
0941	Sampled PC-142 once parameters stabilized Also collected FB-5
1057	Arrive at PC-65.
1135	Sample PC-65.
1208	Decon complete, paperwork complete. Move to PC-66
1210	Arrive at PC-66. well has white pickup with cement trailer parked over well. Contacted owner and waiting for it to be moved. Existing tubing has fallen down into well after last sampling event. Begin attempting to fish out. Retrieved old tubing. Dispose of old tubing.
1315	Sampling at PC-66 complete. Move back to PC-123
1545	Decon, calibration, and paperwork complete. Leave to dump purge water then depart for the day.

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/7/2020
Field Personnel: A. Crockett		Task No: H02
Location: Site Wide		Reported by: A. Crockett

Weather Conditions: Sunny, Hot

Total Vehicle Mileage: 20 Start 5993 END 6013

Task Visitors / Subcontractors:

Matters of Safety: Traffic Barricades/public interaction

Problems / Concerns and Corrective Actions Taken:

Time	Activities
0600	Arrive Henderson office for safety meeting
0650	Arrive PC-28 for sampling
0930	Arrive PC-67 for sampling
1135	Arrive at location of PC-310 well has been covered with metal construction plates. NO construction workers in evidence.
1205	Arrive PC-64 for sampling.
1305	Arrive Henderson office; sample paperwork, calibrate YSI

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5-7-2020
Field Personnel: Ron Phillips		Task No: H02
Location: Site Wide		Reported by: R. Phillips

Weather Conditions: Sunny, 70° AM - Sunny, breezy, 93° PM

Total Vehicle Mileage: 9

Task Visitors / Subcontractors:

Matters of Safety: Traffic barricades were not set up until ~ 830

Problems / Concerns and Corrective Actions Taken:

Time	Activities
0600	Arrive office, load equipment, safety meeting
0630	Drive to PC-129. No traffic control yet. Measure PC-129 & PC-50.
0725	set up at PC-129
0740	start purging at PC-129.
0822	Sample at PC-129. Decon, clean up
0845	Move to PC-50, set up
0900	start purging at PC-50
0954	Sample PC-50
1005	Decon, packup, move to PC-132
1038	start purging at PC-132
1130	Sample PC-132
1140	Decon. pack up
1155	Move to PC 153R. set up
1204	start purging at PC-153R
1300	Sample PC-153R
1310	Decon, pack up all equipment
1325	Drive to Andrew
1330	Help Andrew collect a field blank
1355	Drive to office
1410	Turn in samples, log sheets, daily form. Calibrate multi-meter. Take purge water to Gw-11. Prep sample kits for tomorrow.

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/7/20
Field Personnel: A. Morgan		Task No: H02
Location: Site Wide		Reported by: A. Morgan

Weather Conditions: Sunny

Total Vehicle Mileage: 18

Task Visitors / Subcontractors:

Matters of Safety: Heat, traffic / traffic control working on street

Problems / Concerns and Corrective Actions Taken:

Time	Activities
0600	Meet @ Henderson Tt field office, prep for day, tailgate safety meeting with sampling team
0640	mob to first well
0700	awaiting traffic control, Sample HMW-16 (from tomorrows schedule) first well
0800	Sample PC-124, PC-126, PC-24, PC-127 w/ traffic control. EBB collected after PC-124
1430	mob back to office, relinquish samples to courier, drop purge water @ pond, calibrate YSI and prep sample kits for tomorrow.

TETRA TECH

FIELD INVESTIGATION DAILY LOG

Page ___ of ___

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/7/20
Field Personnel: BChhun		Task No: H02
Location: Site Wide		Reported by: BChhun

Weather Conditions: Sunny, hot

Total Vehicle Mileage: 5929 - 5952

Task Visitors / Subcontractors:

Matters of Safety:

Traffic barricades on Sunset

Problems / Concerns and Corrective Actions Taken:

Time	Activities
0600	Meet at office for HSS meeting.
0706	Arrive at ART-6 w/ Kyle Hansen
0858	Arrive at PC-131
1013	Arrive at PC-128
1127	Arrive at PC-151
1345	Arrive at office to dump purge water, calibrate equipment, etc

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/8/20
Field Personnel: JB, BC, AC, AM, DD, RP		Task No: H02
Location: Site Wide		Reported by: J. Bunkers

Weather Conditions: 78-93°F, Sunny, Calm

Total Vehicle Mileage: 20

Task Visitors / Subcontractors:

Matters of Safety:

Stinging insects

Problems / Concerns and Corrective Actions Taken:

Time	Activities
0600	Meet Sampling team at Tt office, Tailgate Safety meeting, gather supplies, mobe to field
0650	Check in for visitor badges at Jasmine Property with BC and AC
0715	Arrive at PC-40R set up to sample, download transducer
0835	Collect Sample PC-40R-20200508, decon, mobe to M-156
0900	M-156 and M-152 covered by vehicles, download transducer M-156
1055	Collect sample PC-136-20200508, decon, mobe to PC-31
1145	Collect sample PC-31-20200508, decon, mobe to H-56R2
1300	Collect sample H-56R-20200508, decon, mobe to TR-12
1355	Collect sample TR-12-20200508, decon, breakdown equipment, mobe to office, dump purge water at GW-11
1500	Hand off samples to lab courier

TETRA TECH

FIELD INVESTIGATION DAILY LOG

Page ___ of ___

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/8/20
Field Personnel: Dylan Davis		Task No: H02
Location: Site Wide		Reported by:

Weather Conditions: Sunny, high of 48°

Total Vehicle Mileage: ~~92749~~ / 92775

Task Visitors / Subcontractors:

Matters of Safety: Heat, traffic, critters

Problems / Concerns and Corrective Actions Taken: Drink water, start early, avoid critters

Time	Activities
0600	Arrive at Henderson office. Load equipment and supplies. Safety meeting and depart for PC-160
0730	Arrive at PC-160.
0736	Begin purge of PC-160
0755	Sample PC-160
0820	Decon and paperwork complete. Move to PC-159
0915	Sample PC-159
0940	Sampling and equipment decon complete. Move to PC-158
1032	Sample PC-158
1242	Sample PC-154 and collect EB-9. Return to office for paperwork, decon, calibration.
1545	Off site.

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/8/2020
Field Personnel: A. Crockett		Task No: H02
Location: Site Wide		Reported by: A. Crockett

Weather Conditions: Sunny, HOT

Total Vehicle Mileage: 11 Start 6020 END 6031

Task Visitors / Subcontractors: —

Matters of Safety: Heat, Construction Equipment

Problems / Concerns and Corrective Actions Taken: -

Time	Activities
0600	Arrive Henderson office for safety meeting
0700	Check in & safety mtg; get passes for Jasmine. Scope out access to H-56 & H-58 - berm is partially blocked, may need to come in from North
0730	Arrive location of MC-MW-37R2 and MC-65R2. They have been covered with a road (graded & packed) Coordinate excavation.
1000	Sample MC-MW-37R2 and MC-65R2
1345	Return to office for field forms, YSI calibration

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: May 8 2020
Field Personnel: Ron Phillips		Task No: H02
Location: Site Wide		Reported by: Ron Phillips

Weather Conditions: sunny, 70° AM, 90's PM

Total Vehicle Mileage: 11

Task Visitors / Subcontractors:

Matters of Safety:

Problems / Concerns and Corrective Actions Taken:

Time	Activities
0600	Meet at office, load equip, safety meeting
0630	Leave - find PC-107. Check in with workers at that location
0700	Begin set up
0718	Begin purging PC-107. Purge 8 liters.
0750	Sample PC-107
0755	Pull pump, decon, replace tubing, pack up
0815	Leave PC-107, Go to water treatment plant
0825	enter plant. Go to lagoons/ Bird viewing area. Try & find HMW-15 can't locate.
0855	Drive to HMW-14. Set up
0905	start purging. Purge 6 liters
0932	Sample HMW-14
0940	Decon, pack up, drive to HMW-13
1010	start purging HMW-13. Purge 10 liters
1049	Sample HMW-13.
1100	Decon, cleanup, pack up. Leave to find HMW-15
1125	Find HMW-15. Set up
1137	Start purging HMW-15. Purge 7½ liters
1200	Sample HMW-15
1220	Decon, pack up & secure everything. Work on notes & Forms,
1315	At office. Turn in samples / log sheets. Calibrate multi-meter. Dump purge water. Prep sample kits for Monday.

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/8/20
Field Personnel: BChhun		Task No: H02
Location: Site Wide		Reported by: BChhun

Weather Conditions: Hot, sunny

Total Vehicle Mileage: 5987.7 5994

Task Visitors / Subcontractors: None

Matters of Safety: Heavy equipment in impound lot

Problems / Concerns and Corrective Actions Taken:

Time	Activities
0600	Meet at office for H&S meeting
0640	sign in at Holder to get access to Jasmine Property
0720	Arrive at PC-72
0841	Arrive at PC-71
1020	Arrive at PC-54
1140	Arrive at PC-21A
1330	Back at office for sample dropoff, calibration, etc

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/8/20
Field Personnel: A. Morgan		Task No: H02
Location: Site Wide		Reported by: A. Morgan

Weather Conditions: Sunny

Total Vehicle Mileage: 15

Task Visitors / Subcontractors:

Matters of Safety:

Heat

Problems / Concerns and Corrective Actions Taken:

Time	Activities
0600	Meet @ TT Henderson field office. Tailgate safety meeting w/ Sampling team.
0645	Mob to first well. Sampled AA-01, M-48A, PC-188, PC-189
@ 1400	mob back to office, drop purge water, relinquish samples, unload equipment, calibrate YSI.

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/11/20
Field Personnel: JB, JM, AC, BC, DD, RP, AM		Task No: H02
Location: Site Wide		Reported by: J. Bunkers

Weather Conditions: 79-93°F Sunny, Windy

Total Vehicle Mileage: 20

Task Visitors / Subcontractors: None

Matters of Safety:

Heat, stinging insects

Problems / Concerns and Corrective Actions Taken:

Time	Activities
0600	Meet Sampling team at TT office, Safety meeting, gather supplies, mobe to field
0730	Arrive at TR-11 to resample
0750	Collect sample TR-11-20200511, decon, mobe to H-58R
0850	Collect sample H-58R-20200511, decon, mobe to M-156
0910	Check in for visitor badge at Holder Construction
0925	Waiting at Gate 1 for another temperature check
0936	Finally got access - M-152, M-156, and M-44 are still covered by parked cars, will make a third attempt to access these wells tomorrow
1030	Arrive at MC-50. WS access gate was locked, went through NERT site, using YSI EXO w/ Equis software
1250	Collect sample MC-50-20200511, decon, mobe to TR-11
1400	Collect sample TR-11-20200511, decon breakdown equipment, mobe to office, dump purge water at GW-11
1500	Hand off samples to courier, calibrate equipment, prep for next day sampling
1700	Done for day

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/11/2020
Field Personnel: A Crockett		Task No: H02
Location: Site Wide		Reported by: A. Crockett

Weather Conditions: HOT, Sunny, WINDY

Total Vehicle Mileage: 12 Start 6174 END 6186

Task Visitors / Subcontractors: —

Matters of Safety: HEAT, EMD Site-Specific

Problems / Concerns and Corrective Actions Taken: —

Time	Activities
0545	Arrive Henderson Office for safety meeting, sample prep
0715	Arrive M-73 for sampling
0943	Arrive M-163 for sampling
1134	Arrive M-25 for sampling
1320	Arrive M-267 for sampling
1440	Arrive back at Henderson Office; Sample paperwork/calibration
1700	Out of Office

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: May 11 2020
Field Personnel: Ron Phillips		Task No: H02
Location: Site Wide		Reported by: Ron Phillips

Weather Conditions: sunny warm → hot, breezy → windy

Total Vehicle Mileage: 7

Task Visitors / Subcontractors:

Matters of Safety:

Problems / Concerns and Corrective Actions Taken:

Time	Activities
06:00	Meet at office, load equipment, safety meeting
0630	Leave to Find M-260
0705	Arrive M-260. Install tubing. Set up
0735	Start purging. Purge 5 1/2 liters
0819	Sample M-260. Decon, pack up, drive to M-261
0905	Arrive M-261. Set up.
0920	Start purging M-261. Purge 4 1/2 liters.
1006	Sample M-261. Decon, ~~Pack up~~ set up at M-262 (adjacent to M-261)
1058	Start purging ~~M-260~~ 262. Purge 3 3/4 liters
1243	Sample M-262. Decon. Pack up. Collect Field Blank sample M-262-20200511-FB14
1330	Leave for M-7B. Set up.
1350	Start purging M-7B. Purge 5 1/2 liters
1424	Sample M-7B.
1440	Take samples to office. Help w/ coolers
1500	Leave to dump purge water
1520	Arrive back at office. Finish notes. Calibrate meter. Prep for tomorrow.

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/11/20
Field Personnel: John Paul Masters		Task No: H02
Location: Site Wide		Reported by: JPM

Weather Conditions: Clear

Total Vehicle Mileage: 4455 start 4471 end

Task Visitors / Subcontractors:

Matters of Safety: stinging insects, staying hydrated

Problems / Concerns and Corrective Actions Taken:

Time	Activities
0600	Arrive @ Henderson office, H&S meeting, load up gear
0700	On NERT Site
0720	M-98, insufficient water to sample
0857	Sample M-206
1008	Sample M-263
1138	Sample M-264
1210	On site M-99, locked
1325	Sample TR-4
1400	Drop off purge water
1410	Back at office

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/11/20
Field Personnel: A. Morgan		Task No: H02
Location: Site Wide		Reported by: A. Morgan

Weather Conditions: Sunny

Total Vehicle Mileage: 6

Task Visitors / Subcontractors:

Matters of Safety: heat, insects

Problems / Concerns and Corrective Actions Taken:

Time	Activities
1600	Meet @ Henderson TT field office, load up vehicles, prep Sample Kits for day. Tailgate safety Meeting w/ Sampling team
0645	Mob to first well.
	Completed wells MC-(6, 7, 69, 3, and 51). collected FD on MC-7 (FD:7)
1430	Mob back to office, drop purge water @ GWIF yard. relinquish Samples to Courier, calibrate YSI, prep Sampling Kits for tomorrow.

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/11/20
Field Personnel: Dylan Davis		Task No: H02
Location: Site Wide High of 92°, strong afternoon wind.		Reported by:

Weather Conditions:

Total Vehicle Mileage: 93030 / 93038 8 miles

Task Visitors / Subcontractors:

Matters of Safety: Heat, sun, critters

Problems / Concerns and Corrective Actions Taken: No problems today.

Time	Activities
0610	Arrive at Henderson office. Load supplies and equipment
0730	Arrive at MC-97. Begin setup.
0749	Begin purge of MC-97
0810	Sample MC-97. Decon equipment.
0915	Arrive at M-23.
0932	Begin purge of M-23.
0945	Sample M-23. Decon equipment
1030	Arrive at H-28A. Multiple cattles blocked by new fences and gates.
1120	Begin purge of H-28A
1145	Sample H-28A. Decon equipment.
1245	Arrive at M-6A. Access blocked by several new fences and gates. Well is located below road berm, equipment must be carried down.
1324	Begin purge of M-6A
1338	Sample M-6A
1430	Drop off purge water and deliver samples to office.
1500	Head out to AA-11 to confirm it is still dry.
1515	AA-11 is still dry. Return to office
1530	Calibrate YSI, unload equipment
1600	Depart for day.

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/11/20
Field Personnel: B Chhun		Task No: H02
Location: Site Wide		Reported by: B Chhun

Weather Conditions: warm, sunny, 80s

Total Vehicle Mileage: 9315 9328

Task Visitors / Subcontractors:

Matters of Safety:

Problems / Concerns and Corrective Actions Taken:

Time	Activities
0600	Meet at office for H&S tailgate meeting
0630	update sampling schedule
1000	Check into Bonnan site
1039	Arrive at M-220
1147	Arrive at M-155
1200	collect DTW from artesian well M-155
1201.0	DTW = -1.2psi
1201.5	DTW = -1.2psi
1202.0	DTW = -1.2psi
1202.5	DTW = -1.2 psi
1203.0	DTW = -1.2psi
1203.5	DTW = -1.2psi
1204.0	DTW = -1.2psi
1204.5	DTW = -1.2psi
1205.0	DTW = -1.2psi
1205.5	DTW = -1.2psi
1206.0	DTW = -1.2psi
1240	Arrive at M-151
1324	Arrive at M-268
	Bladder pump shuck down well
	Retrieved pump
1430	Back at office for sample drop off, calibration, etc

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/12/20
Field Personnel: Dylan Davis		Task No: H02
Location: Site Wide		Reported by:

Weather Conditions: Sunny, high of 85°. Strong south wind, 40 mph + gusts

Total Vehicle Mileage: ~26

Task Visitors / Subcontractors:

Matters of Safety: Windy and sunny. Critters, Careful for pinch points created from doors slamming closed due to wind, Hood/doors/etc.

Problems / Concerns and Corrective Actions Taken: Do not leave doors open. Closed hood when pump was hooked up.

Time	Activities
0600	Arrive at Henderson office
0640	Arrive at M-204
0904	M-204 complete. Deep well with a purge rate of <20mL/min. Tubing in plastic bag.
1015	Sample M-210. Flow rate of <20mL/min necessary to keep drawdown below 0.3'.
1230	Sample M-211. Decon equipment move to M-212
1317	Begin purge of M-212. Drawdown initially falling close to 0.3ft. Slowed down to 20mL/min but still not recharging. Purged at least one well system before sampling
1415	Sample M-212. Decon equipment
1430	Arrive at office and drop off samples.
1530	Complete paperwork and calibration of YSI. Ready Sample kits for Wednesday. Depart office.

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: May 12 2020
Field Personnel: Ron Phillips		Task No: H02
Location: Site Wide		Reported by: Ron Phillips

Weather Conditions: Sunny, breezy/windy, 70° → 85°

Total Vehicle Mileage: 6

Task Visitors / Subcontractors:

Matters of Safety:

Fire hazard, transients/homeless

Problems / Concerns and Corrective Actions Taken:

Time	Activities
0600	Meet at office, load equipment, safety meeting
0625	Leave office, drive to M-205
0635	Measure DTW (31.42) & TD (50.55) at M-205. Add tubing, cut to correct length. Install pump.
0710	Start purging M-205. Purge 5 liters
0805	Sample M-205. Then pack up + decon.
0835	Collect ~~Field~~ equipment blank M-205-20200512~~-0~~-EB10
0845	Leave M-205 to drive to M-134/M-161 area. Set up at M-134.
0910	Start purging M-134. Purged 5 1/2 liters. Decon probe.
1013	Sample M-134. Set up at M-161, which has a dedicated pump.
1034	Start purging M-161. Purge 4 liters
1112	Sample M-161. Then decon the pump + WL probe (pump used at M-134). Drive to M-159. Set up
1211	Begin purging M-159. Purge 3 liters. Low flow rate
1254	Begin sampling M-159. Takes time because of low flow rate. Then decon, pack up, + dump purge water into GW-11
1400	Leave for office. Arrive ~14:05. Drop off samples
1415	Complete daily forms, calibrate multimeter

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/12/2020
Field Personnel: A. Crockett		Task No: H02
Location: Site Wide		Reported by: Crockett

Weather Conditions: WINDY, COOLER

Total Vehicle Mileage: 5 Start 6198 END 6203

Task Visitors / Subcontractors: —

Matters of Safety: FIRE HAZARD

Problems / Concerns and Corrective Actions Taken: —

Time	Activities
0600	Arrive Henderson office for safety mtg
0650	Arrive M-132 for sampling (M-132, M-133, M-74, M-168 cluster)
1150	Arrive M-81A for sampling
1305	Arrive M-101; attempt measure DTW; dry
1340	Back at Henderson office for YSI calibration, sample paperwork

TETRA TECH

FIELD INVESTIGATION DAILY LOG

Page ___ of ___

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date:
Field Personnel: A. Morgan		Task No: H02
Location: Site Wide		Reported by:

Weather Conditions: Sunny

Total Vehicle Mileage: 4

Task Visitors / Subcontractors:

Matters of Safety: heat, insects

Problems / Concerns and Corrective Actions Taken:

Time	Activities
0600	Meet @ Henderson TT field office. Has tailgate safety meeting with Sampling team. load equipment in vehicles
0630	Mob to NERT
	Sample wells MC-(53,93) and M-(207,265,266). FD12 collected @ MC-33
1415	Mob to office, drop purge water, relinquish samples to TT courier, prep equipment for tomorrow, calibrate YSI

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/12/20
Field Personnel: JB, BC, AM, JM, AC, DD, RP		Task No: H02
Location: Site Wide		Reported by: J. Bunkers

Weather Conditions: < 85°F Sunny, Windy

Total Vehicle Mileage: 25

Task Visitors / Subcontractors: None

Matters of Safety:

Traffic, Wind, Fire

Problems / Concerns and Corrective Actions Taken:

None

Time	Activities
0600	Meet TT sampling team at TT office, safety meeting, gather supplies, mobe to field
0700	Check in with Holder Construction for access pass at Jasmine property, set up to sample M-156
0810	Collect sample M-156-20200512, decon, mobe to M-152
0905	Collect Samples M-152-20200512 and FD10, download/redeploy transducer, decon, mobe to M-44
1020	Collect samples M-44-20200512 and EB4, download/redeploy transducer decon, check out of Holder Construction, mobe to TT offices, pack Short Hold cooler, mobe to M-162D
1240	Collect sample M-162D-20200512, new tubing to store off site, download/ redeploy transducer, decon, mobe to M-95
1400	Arrive at M-95, impounded car parked on top of well, will come back another day
1415	Arrive at TT office pack coolers, calibrate equipment
1500	Hand off samples to courier
1600	Done for day

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/12
Field Personnel: J. Masters		Task No: H02
Location: Site Wide		Reported by: J. Masters

Weather Conditions: windy

Total Vehicle Mileage: 4471 / 4485 = 14

Task Visitors / Subcontractors:

Matters of Safety: fire hazards, heat stress

Problems / Concerns and Corrective Actions Taken:

Time	Activities
0600	H & S meeting in Henderson office
0700	On site M-99
0800	Sample M-99
0950	Sample TR-3
1140	Sample M-161
1230	Sample FB-13
1355	Sample TR-1
1400	Dump purge water
1410	Back at office

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/12/20
Field Personnel: B. Chhun		Task No: H02
Location: Site Wide		Reported by: B. Chhun

Weather Conditions: Windy, warm

Total Vehicle Mileage: 9326 – 9334

Task Visitors / Subcontractors: NA

Matters of Safety: wind, stinging insects

Problems / Concerns and Corrective Actions Taken: N/A

Time	Activities
0600	Meet at office for tailgate meeting
0640	Check in to EMD
0649	Arrive at M-168
0815	Arrive at M-214
0910	Arrive at M-68
1016	Arrive at ~~M-MBC~~ M-182/M-181
1149	Arrive at M-165
1253	Arrive at M-67
1406	Check out of EMD
1413	Arrive back at office for sample dropoff, equipment calibration, etc

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/13/20
Field Personnel: Crockett		Task No: H02
Location: Site Wide		Reported by: Crockett

Weather Conditions: Wind, Sun

Total Vehicle Mileage: 11 Start 6208 end 6219

Task Visitors / Subcontractors: —

Matters of Safety: WIND

Problems / Concerns and Corrective Actions Taken: —

Time	Activities
0600	Arrive Henderson Office for safety Mtg
0750	Arrive M-80 for sampling
0930	Drop off M-80 sample/duplicate for short hold time transport to lab at Henderson Office
0945	Arrive at M-35 for sampling
1115	Arrive at M-145. begin bailing down vault. Asked to move so semis could get through.
1158	Arrive at M-13 for sampling
1430	Back to Henderson office for sample paperwork, calibration
1600	Out for day

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/13/20
Field Personnel: Dylan Dan.J		Task No: H02
Location: Site Wide		Reported by:

Weather Conditions:

Total Vehicle Mileage: 93227 / 93229 - 2 miles

Task Visitors / Subcontractors:

Matters of Safety: Heat, sun, wind

Problems / Concerns and Corrective Actions Taken:

Time	Activities
0610	Arrive at Henderson office. Pack equipment and supplies.
0630	Arrive at M-123
0755	Sample M-123. Decon and move to M-124
0858	Begin purge of M-124
0915	Sample M-124. Decon and move to M-136.
1030	Begin purge of M-136.
1100	Collect sample of M-136. Collect EB-13 as well. Decon and move to M-213
1255	Begin purge of M-213
1330	Sample M-213. Decon and move to M-126
1420	Begin purge of M-126.
1438	Sample M-126. Decon and return to office
1445	Paper work, calibrate YSI. Load supplies for tomorrow
1545	Leave for day.

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5-13-2020
Field Personnel: Ron Phillips		Task No: H02
Location: Site Wide		Reported by: Ron Phillips

Weather Conditions: Mostly sunny, breezy → calm, 65° → 85°

Total Vehicle Mileage: 5

Task Visitors / Subcontractors:

Matters of Safety:

Problems / Concerns and Corrective Actions Taken:

Time	Activities
0555	Arrive at office, load up, safety meeting
0620	Leave office, drive to M-125
0630	Set up @ M-125
0643	Start purging @ M-125. Purge 15 liters.
0745	Sample M-125. Also collect field duplicate FD 14
0800	Finish Filling all bottles, clean up, decon. Move to M-160
0828	Start purging M-160. Purge 15 liters
0930	Sample M-160. Decon. Dump purge water from M-125 & M-160.
1000	Drive to UFMW-01D, Set up
1020	Start purging UFMW-01D. Purge 6 liters
1056	Sample UFMW-01D. Decon. Move to UFMW-02D
1140	Begin purging UFMW-02D. Turbidity took a long time to decrease/stabilize. Purged 11½ liters.
1257	Sample UFMW-02D. Decon & pack up.
1320	Look at UFMW-03D in prep for tomorrow.
1330	Look at well locations for upcoming sampling
1350	Dump purge water at GW-11 from UFMW-01D and UFMW-02D.
1405	Drive to office. Turn in samples, help B.C. with samples
1420	Calibration / notes

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/13
Field Personnel: Andrew Morgan		Task No: H02
Location: Site Wide		Reported by: A. Morgan

Weather Conditions: Sunny

Total Vehicle Mileage: 2

Task Visitors / Subcontractors:

Matters of Safety: heat, pinch points, wind

Problems / Concerns and Corrective Actions Taken:

Time	Activities
0600	Meet @ Henderson TT field office. Tailgate safety meeting w/ sampling team. load vehicles.
0630	mob to NERT site
	Sample wells M-(208, 209, 135, 69, 79, 57A) FD-13 collected @ M-209 EB-14 collected @ M-57A
1345	Mob back to office, relinquish samples to courier, calibrate YSI, prep sample kits for tomorrow.

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/13/20
Field Personnel: J. Masters		Task No: H02
Location: Site Wide		Reported by: J. Masters

Weather Conditions: Windy

Total Vehicle Mileage: 4485 / 4496 = 11

Task Visitors / Subcontractors: ~~4485~~

Matters of Safety: Wind, pinch points,

Problems / Concerns and Corrective Actions Taken:

Time	Activities
0600	H&S Meeting in the office
0645	On site TR-2
0800	Sample TR-2
0830	Get Gas for Truck
0850	Sample EB-11
0955	Sample DFW-03
1125	Sample DFW-04
1325	Sample DFW-05

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/13/20
Field Personnel: Bchhun		Task No: H02
Location: Site Wide		Reported by: Bchhun

Weather Conditions: windy

Total Vehicle Mileage: 9342 – 9350

Task Visitors / Subcontractors:

Matters of Safety: pinch points, wind

Problems / Concerns and Corrective Actions Taken:

Time	Activities
0600	Meet at office for tailgate safety meeting
0630	Check in at EMD
0650	Arrive at M-83
0800	Arrive at M-19
0910	Arrive at M-2A
1000	Call w/ Jennifer Abrahams on access to wells
1023	arrive at M-75
1122	Arrive at M-76
1226	Arrive at M-115
1340	Back at office for equipment calibration, dump purge water, etc

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/14/20
Field Personnel: JB, BC, AM, AC, RP, DD, JM		Task No: H02
Location: Site Wide		Reported by: J. Bunkers

Weather Conditions: <88°F Sunny, Calm

Total Vehicle Mileage: 15

Task Visitors / Subcontractors: None

Matters of Safety:

UV exposure, traffic

Problems / Concerns and Corrective Actions Taken:

None

Time	Activities
0600	Meet Tt sampling team at Tt office, safety meeting, gather supplies, mobe to field
0650	Check in at Borman, EMD
0715	Arrive at M-31A, set up to sample using Equ's Collect and YSI EXO
0855	Collect sample M-31A-20200514, decon, mobe to M-193
0910	Arrive at M-193, download transducer
1030	Collect sample M-193-20200514, redeploy transducer @1100, decon,
#	mobe to M-142
1100	Arrive at M-142, no NAPL
1150	Collect Sample M-142-20200514, decon, mobe to M-153
1310	Collect samples M-153-20200514 and FB12, decon, mobe to M-189
1405	Collect sample M-189-20200514, download and redeploy transducer,
	decon, mobe to office
1500	Hand off samples to Courier, calibrate equipment
1700	Done for day

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/14/2020
Field Personnel: Crockett		Task No: H02
Location: Site Wide		Reported by: Crockett

Weather Conditions: Sunny

Total Vehicle Mileage: 6 Start 6224 end 6230

Task Visitors / Subcontractors: —

Matters of Safety: —

Problems / Concerns and Corrective Actions Taken: —

Time	Activities
0606	Henderson office - safety meeting, coordination
0630	Arrive at EMD site, check in,
0640	Arrive M-33 for sampling. Sample, decon.
0810	Arrive M-32 for sampling. Extract tubing from where it had slid down well. Purge, sample, decon.
1040	Arrive M-41 for sampling. Purge, sample, decon.
1215	Arrive M-77R for sampling. Purge, sample, decon.
1335	Arrive M-145 for sampling. Purge, sample, decon.
1545	Back to Henderson office for sample paperwork, calibration.

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/14/20
Field Personnel: BChhun		Task No: H02
Location: Site Wide		Reported by: BChhun

Weather Conditions: Warm, Sunny, windy

Total Vehicle Mileage: 9357 / 9374

Task Visitors / Subcontractors:

Matters of Safety:

heavy equipment in EMD area

Problems / Concerns and Corrective Actions Taken:

Time	Activities
0600	Meet at office for H&S meeting
0700	Check in at EMD
0706	Arrive at M-147
0800	Arrive at M-148A
0850	Arrive at M-186
940	Arrive at M-149
1040	Arrive at M-21 - insufficient water to sample
1105	- Arrive at M-139
1204	Arrive at M-190
1325	Call Tuscany Master Service to notify of sampling 702-564-1351 no answer, leave message
1328	Call Chimera Golf Course 702-534-3196 no answer, leave message
1330	Call Greyshore, Robert Johnson 702-736-9100 no answer, leave message
1333	Call Hyundai/FM Boulder 702-800-6127 ext 105 (Frank Maione no answer, leave message 564 2345
1340	Arrive at ~~M-140~~ M-117
1342	Observe homeless person napping near well, will return tomorrow for sampling
1430	Back at office to calibrate equipment, sample dropoff, etc requests
1500	Call Frank Maione, detailed description in writing FRANK@HENDERSONHYUNDAI.COM

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/14/20
Field Personnel: Dylan Davis		Task No: H02
Location: Site Wide		Reported by:

Weather Conditions:

Total Vehicle Mileage: 93288 / 93294 6 miles

Task Visitors / Subcontractors:

Matters of Safety: Heat, sun, critters

Problems / Concerns and Corrective Actions Taken: No problems encountered

Time	Activities
0610	Arrive at Henderson office Safety meeting. Load supplies for day.
0720	Begin purge of M-5A
0745	Sample M-5A. Decon and move to M-37
0853	Begin purge of M-37.
0915	Collect sample from M-37. Decon and deliver Hex Chrome sample to office for expedite pickup. Move to MW-16.
1033	~~B~~ Begin purge of MW-16.
1100	Sample MW-16. Decon and move to M-72.
1204	Begin purge of M-72.
1220	Sample M-72. Decon and move to M-64.
1347	Begin purge of M-64.
1350	Sample M-64. Decon and ~~move~~ return to office.
1490	Deliver samples and CoC. Begin calibration of YSI.

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5-14-2002
Field Personnel: Ron Phillips		Task No: H02
Location: Site Wide		Reported by: Ron Phillips

Weather Conditions: AM: sunny, breeze, 65° pm sunny, hot

Total Vehicle Mileage: 4

Task Visitors / Subcontractors:

Matters of Safety:

Problems / Concerns and Corrective Actions Taken:

Time	Activities
0550	Arrive office. Load equipment. Safety / logistics meeting
0625	Leave office
0633	Arrive UFMW-03D. Measure, set up
0650	Begin purging UF-MW-03D. Needed to fix an air leak after ~40 minutes. This changed parameters and led to an extended purge time. Purge 15 l
0825	start sampling
0835	Finish sampling. Remove Pump, Decon, pack up
0850	Leave UFMW-03D. Dump purge water
0855	Arrive UFMW-04D. Measure, set up.
0912	Start purging UFMW-04D, purge 3 1/2 l
0945	Start sampling UFMW-04D
0959	Finish sampling UFMW-04D. Remove pump, decon
1013	Move to UFMW-05D. Measure + set up
1029	Begin purging UFMW-05D, Purge 10 liters
1133	Sample UFMW-05D (start)
1142	Finish sampling UFMW-05D. Remove + decon pump.
1159	Move to UFMW-06D. Measure + set up
1216	Start purging UFMW-06D. Purge 10 liters
1328	Start sampling UFMW-06D.
1338	Finish sampling. Pull pump + decon
1359	Start equip blank sample Process, Name: UFMW-06D-20020514-EB12. Time 14:00
1410	Finish EB12 sample. Pack up, dump purge water
1430	Arrive at office. Equipment unload, calibrate multimeter, prep for tomorrow

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/14/20
Field Personnel: J. Masters		Task No: H02
Location: Site Wide		Reported by: J. Masters

Weather Conditions: Clear

Total Vehicle Mileage: 4496 / 4520 = 24

Task Visitors / Subcontractors:

Matters of Safety: Wind, heat stress, pinch points

Problems / Concerns and Corrective Actions Taken:

Time	Activities
0600	H&S meeting
0650	On site DEW-06
0745	Sample DEW-06
0810	Sample ~~M-38~~ FB-15
0910	Sample M-38
1055	Sample M-14A
1120	Jump Ron's Truck
1340	Sample M-15A
1350	Pump Purge water
1400	Back @ office filling out notes
1430	Calibrate Gear and prep field supplies

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/14/20
Field Personnel: A. Morgan		Task No: H02
Location: Site Wide		Reported by: A. Morgan

Weather Conditions: Sunny

Total Vehicle Mileage: 2

Task Visitors / Subcontractors:

Matters of Safety: heat, pinch points, wind, stingers, insects

Problems / Concerns and Corrective Actions Taken:

Time	Activities
0600	Meet @ TT henderson field office. tailgate safety meeting with sampling team. load equipment in vehicles
~~0630~~ 0645	mob to first well. Sample wells M-43 and M-97
1000	return to office for additional supplies (bladders and strap)
1030	Sample well M-121
1200	attempt to purge M-118. unable to pump more than .015 L/min with and compressor due to depth. return to office for nitrogen tank.
1300	unable to stabilize drawdown @ M-118. very slow recharge
1340	sample M-118 after purging 1 System volume
1430	mob back to office, calibrate YSI, relinquish samples, dump purge water @ pond. Prep sample kits for tomorrow.

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/15/20
Field Personnel: J. Masters		Task No: H02
Location: Site Wide		Reported by: J. Masters

Weather Conditions: Clear

Total Vehicle Mileage: ~10

Task Visitors / Subcontractors:

Matters of Safety: Heat stress, wind,

Problems / Concerns and Corrective Actions Taken:

Time	Activities
0600	H&S
0650	on NERT site
0745	Sample M-150
0900	Sample M-117
1040	Sample TR-6
1210	Sample TR-5
1300	Dump purge water

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/15/20
Field Personnel: JB, BC, AC, AM, JM, DD, RP		Task No: H02
Location: Site Wide		Reported by: Jesse Bunkers

Weather Conditions: <87°F Sunny, Calm

Total Vehicle Mileage: 30

Task Visitors / Subcontractors: None

Matters of Safety:

Traffic

Problems / Concerns and Corrective Actions Taken:

Time	Activities
0600	Meet sampling team at Tt office, safety meeting, gather supplies, mobe to field
0700	Arrive at M-11 on EMD property set up to sample
0805	Collect sample M-11-20200515, decon, mobe to GW-11
0840	Arrive at GW-11, dump purge water, mobe to Tt office
0855	Arrive at Tt office, pack Short Hold cooler, call courier for pick up, mobe to SWF
0930	Arrive at SWF, meet AC, guide to north side of LVW
1030	Arrive at NERT3.58N1, set up to sample, download transducer Solinst Level Logger SN 2099333 DTW 39.59 removal: 1039 deploy: 1215
	Could not stop/restart logger, triple decon pump
1145	Collect sample NERT3.58N1, decon, mobe to WMW3.5N
1230	Arrive at WMW3.5N, could not open lock, will come back next week, mobe to GW-11
1330	Arrive at GW-11, dump purge water, store equipment, mobe to office
1500	Calibrate equipment
1630	Done for day

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/15/2020
Field Personnel: Crockett		Task No: H02
Location: Site Wide		Reported by: Crockett

Weather Conditions: Sunny, warm

Total Vehicle Mileage: 42 Start 6240 End 6282

Task Visitors / Subcontractors: —

Matters of Safety: —

Problems / Concerns and Corrective Actions Taken: —

Time	Activities
0600	Arrive Henderson office for safety mtg
0715	Arrive location of PC-74. Thoroughly decon equipment again(3x). Load up cart to walk to PC-74 (~100 yards). Sample, download transducer, decon. Cart is leaking air from front right tire through valve stem
1020	Arrive NERT 4.65 N1 for sampling. Sample, attempt to download transducer decon. Transducer connected to computer but gave a COM error when I tried to download.
1144	Call with Solinst customer service — Susan Lott. Suggested cleaning optical eyes, running diagnostic utility. Ran utility after call ended - will send to Solinst from office. Still unable to download. Returned transducer to well.
1220	Arrive NERT 4.64 N1 for sampling. Sample, download transducer, decon
1410	Arrive at Henderson office for sample paperwork, YSI calibration

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/15/20
Field Personnel: A. Morgan		Task No: H02
Location: Site Wide		Reported by: A. Morgan

Weather Conditions: Sunny

Total Vehicle Mileage: 16

Task Visitors / Subcontractors:

Matters of Safety: heat, pinch points, stinging insects

Problems / Concerns and Corrective Actions Taken:

Time	Activities
0600	Meet @ Henderson Tt field office. Stretch Safety meeting w/ Sampling team. load vehicles
0700	Mob to PC-74 w/ Rodney. remote well (used to carry equipment to wf). 0930 Mob back to NERT.
1000	Sample EMD/NERT wells. M-(103, 164, 224).
1430	M-b back to office, cleanup, bath samples, calibrate YSI.

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/15/20
Field Personnel: Dylan Dav.3		Task No: H02
Location: Site Wide		Reported by:

Weather Conditions: Sunny, high of 94°

Total Vehicle Mileage: 6 miks

Task Visitors / Subcontractors:

Matters of Safety: Heat, sun, critters

Problems / Concerns and Corrective Actions Taken: None

Time	Activities
0600	Arrive at Henderson office. Safety meeting and load supplies and equipment.
0803	Begin purge of M-65
0815	Sample M-65. Decon equipment and move to M-66
0903	Begin purge of M-66.
0920	Sample M-66. Decon equipment and move to TR-9.
1111	Identify access to TR-9 & TR-10. Begin purge of TR-9.
1130	Sample TR-9. Decon equipment and move to TR-10
1223	Begin purge of TR-10.
1245	Sample TR-10. Decon equipment and return samples to office.
1300	Begin calibration of YSI and unload equipment for weekend
1430	Leave office

TETRA TECH **FIELD INVESTIGATION DAILY LOG**

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: May 15 2020
Field Personnel: Ron Phillips		Task No: H02
Location: Site Wide		Reported by:

Weather Conditions: AM: Sunny, 70°, sl. wind. PM: Sunny, 90°s

Total Vehicle Mileage: 5

Task Visitors / Subcontractors:

Matters of Safety:

Problems / Concerns and Corrective Actions Taken:

Time	Activities
0552	Arrive office. Load up. Safety meeting
0628	Leave office
0635	Arrive M-140. Measure + set up
0647	Begin purging M-140 This well has a dedicated pump
0716	Begin sampling M-140
0725	Finish sampling M-140. Name M-140-20200515, Then decon probe + pack up.
0740	Arrive M-162. Set up. This well has a dedicated pump. DTW 21.57
0749	Begin purging 0749. First water 0753. well drew down quickly using the settings printed on the well cap (11 sec refill, 4 sec discharge, up to 110 ml/min). I changed to 56 s Refill, 4 sec discharge which gave 40 ml/min. Water level began to recover.
0830	Start sampling M-162. The sampling takes a long time because of the low flow rate and duplicate sample (FD-16)
0910	Finished sampling. Decon probe, close well, pack up + move to M-71.
920	Begin set up at M-71. Remove transducer (Aquatroll 200) @ 921. Measure DTW 34.80 + TD 44.40 Used new tubing to install pump
0942	Start purging M-71. Purge 5 3/4 liters
1035	Start sampling M-71
1045	Finish sampling M-71. Decon, pack up
1111	Reinstall transducer
1120	Arrive M-70 + measure. DTW 32.15. This well has a dedicated pump.
1132	Start purging M-70. Purge 6 L
1205	Start sampling M-70.
1215	Finish sampling M-70. Decon, pack up
1235	Ask other NERT site samplers if they need help, then dump purge water. Return to office, turn in samples, prep for Monday, calibrate YSI.

TETRA TECH

FIELD INVESTIGATION DAILY LOG

Page ___ of ___

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/15/20
Field Personnel: BChhen		Task No: H02
Location: Site Wide		Reported by: BChhen

Weather Conditions: warm, sunney, 90s

Total Vehicle Mileage: 9374 / 9390

Task Visitors / Subcontractors:

Matters of Safety:

heavy equipment in EMD

Problems / Concerns and Corrective Actions Taken:

Time	Activities
0600	Meet at office for health & safety mtng
0640	Check in at EMD
0656	Arrive at M-186D - requires compressed nitrogen
0825	Arrive at M-144
0930	Arrive at M-191
1036	Arrive at M-197
1138	Arrive at M-138
1400	Back at office for equipment calibration, sample dropoff, etc

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/18/2020
Field Personnel: James Roman		Task No: H02
Location: Site Wide		Reported by: James Roman

Weather Conditions: Sunny, Some Wind, 90° F

Total Vehicle Mileage: ~ 25

Task Visitors / Subcontractors: Concrete (something) took a DTW measurement at AA-11 at ~10am

Matters of Safety: Overexertion, Slips, trips & falls

Problems / Concerns and Corrective Actions Taken: Equipment issues - get new equipment (drive across town safely)

Time	Activities
0600	Arrive at Tt office for tailgate safety meeting; gather supplies
0700	Mobe to Site & begin setting up at ES-6
0800	Return to office to pick up dedicated tubing; Return to site
1000	Having issues with MP-50 controller/compressor; contacting Equipco & MP-50 will not recharge/refill air. Air is constantly being released from Air out valve. It overpressurizes the pump & turns off
1130	Heading to Silver Stole to pick up new MP-50
1230	Return to site (@ ES-6) & set up equipment again; begin purging
1315	Collect Perchlorate & Chlorate sample ES-6-20200518; decon; move to ES-30
1420	Collect Perchlorate & Chlorate sample ES-30-20200518; decon; return to Tt office
1500	Hand off samples to laboratory courier
1530	Calibrate YSI & complete field forms
1630	Leave Tt office; Done for Day

JR

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/18/20
Field Personnel: CROCKETT		Task No: H02
Location: Site Wide		Reported by: CROCKETT

Weather Conditions: Sunny, warm

Total Vehicle Mileage: 49 start 10413 end 10462

Task Visitors / Subcontractors: —

Matters of Safety: Bees, heat

Problems / Concerns and Corrective Actions Taken:

Time	Activities
0600	Arrive Henderson office for Safety mtg
0745	Arrive NERT 4.70NI for sampling. Sample, download transducer, decon.
0910	Arrive NERT 4.7HNI for sampling. Download transducer, sample, decon.
1040	Arrive NERT 4.6SNI to attempt to download transducer again. Still unable to download, but ran diagnostics to send to Solinst. Transducer connects for settings & diagnostics OK, but gives a COM error when I attempt to download. Appears to still be logging (was it stopped Friday or today), so I returned it to the well. Solinst is out of office today for Victoria Day.
1120	Arrive NMW4.9NI for transducer download. Well is locked with a lock I don't have keys for.
1235	Arrive PC-98R for transducer download. Download transducer & BaroTROLL
1330	Arrive PC-98 for transducer download. Download transducer.
1400	Arrive PC-155B for transducer download. Download transducer. Drillers were nearby working so transducer data may show effects of drilling.
1425	Back to Henderson office; sample paperwork; YSI calibration.

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: May 13 2020
Field Personnel: Ron Phillips		Task No: H02
Location: Site Wide		Reported by: Ron Phillips

Weather Conditions: AM: ~70°, High clouds, breeze/wind

Total Vehicle Mileage: 13

Task Visitors / Subcontractors: None

Matters of Safety:

Problems / Concerns and Corrective Actions Taken:

Time	Activities
05:55	Arrive at office, load up equipment, safety meeting
0635	Leave, drive to ES-3
0650	Arrive ES-3, set up. DTW = 37.16 TD = 48.0
0718	Begin purging ES-3. Purge 11 gallons.
0756	Sample ES-3. Put samples on ice
0800	Pull pump. Decon w/ triple rinse. Pack up
0820	Leave ES-3
825	Arrive ES-2, DTW 46.64, TD 58.10
0848	Start purging. End at 0923. Purge 9 liters
0925	Sample ES-2. Chlorate & perchlorates
0930	Remove pump; decon w/ triple rinse, pack up
0953	Leave for ES-28
1000	Arrive ES-28 DTW 63.46 TD 87.91 BTOC
	Installed pump. (No tubing in well)
1028	Begin purging. Pump intake @ 75' BTOC
	Purge 12 L. Finish @ 11:21
11:23	Sample ES-28
1125	Remove pump. Decon with triple rinse.
	Put tubing back into well pack up
1158	Leave ES-28
1203	Arrive ES-1. DTW 48.25 TD 113.3 BTOC. NO tubing in well
12=32	Start purging. Needed to keep flow rate low to keep from drawing water down too much.
	Purged 1½ liters in 1 hr & 23 minutes.
1359	Start sampling
1414	Finish sampling. Pull tubing/pump. Replace tubing, secure well. Load equipment
1425	Leave for office
1435	Arrive office. Turn in samples. Calibrate meter. Prep supplies for tomorrow. Dump purge water Decon probe/pump from ES-1. Triple Rinse

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/18/20
Field Personnel: JB, BC, AC, AM, JM, DD, JR, RP		Task No: H02
Location: Site Wide		Reported by: Jesse Bunkers

Weather Conditions: 87°F Sunny, Windy

Total Vehicle Mileage: 30

Task Visitors / Subcontractors: None

Matters of Safety:

Windy, Heat

Problems / Concerns and Corrective Actions Taken:

None

Time	Activities
0600	Meet sampling team at TT office, Safety meeting, gather supplies, mobe to field.
0700	Arrive at M-12A, set up to sample
0810	Collect M-12A-20200518 and FB4, decon, mobe to office
0845	Arrive at office, pack cooler for short holds, mobe to M-129
0945	Arrive at M-129
1020	Collect sample M-129-20200518, decon, mobe to NERT3.60N1
1145	Arrive at NERT3.60N1
1300	Collect sample NERT3.60N1-20200518, download transducer, decon, mobe to NERT4.21N1
1345	Collect sample NERT4.21N1-20200518, download transducer, decon, mobe to office
1440	Arrive at office, pack coolers
1500	Hand off samples to courier, calibrate YSI
1630	Done for day

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/15/20
Field Personnel: Dylan Dan. 3		Task No: H02
Location: Site Wide		Reported by:

Weather Conditions:

Total Vehicle Mileage: 93618 / 93628 10 miles

Task Visitors / Subcontractors:

Matters of Safety: Bees in MW-4.

Problems / Concerns and Corrective Actions Taken: Flipped lid to let bees leave.

Time	Activities
0600	Arrive at Henderson office. Safety meeting and load equipment and supplies.
0747	Begin purge of DBMW-7.
0802	Sample DBMW-17. Decon equipment and move to next well.
0851	Begin purge of DBMW-16.
0905	Sample DBMW-16. Decon equipment and move to next location.
0942	Begin purge of ES-20.
1015	Sample ES-20. Decon equipment and return to office to photocopy more Low Flow sampling logs.
1151	Begin purge of BEC-12.
1210	Sample BEC-12. Decon and move to next location.
1250	Located access to MW-3/MW-4 on golf course.
1324	Begin purge of MW-3.
1345	Sample ~~MW-3~~. MW-3. Decon. Open Lid for MW-4 to hopefully let bees leave overnight for sampling tomorrow.
1430	Return to office to drop off samples and CoC. Begin calibration of YSI.
1530	Off-site.

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/18/20
Field Personnel: A. Morgan		Task No: H02
Location: Site Wide		Reported by: A. Morgan

Weather Conditions: Sunny

Total Vehicle Mileage: 7

Task Visitors / Subcontractors:

Matters of Safety:

heat, wind, pinch points

Problems / Concerns and Corrective Actions Taken:

Time	Activities
0600	Arrive at Henderson ff. Field office. Health and safety meeting w/ sampling team. Load equipment in vehicles, prep sample kits
0700	Mob to first well. Sample M-92 and TR-8
1015	Mob back to office for Nitrogen (for TR-7 due to depth.
1050	Nitrogen truck arrived empty and purge. Mob to Air gas for refill.
1150	Resume sampling/purging TR-7.
1300	Sampling M-120, EB15 collected out of Sounder (well has dedicated pump)
1410	Mob back to office, drop purge water, relinquish samples & calibrate YSI and prep Sample Kits for tomorrow.

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/18/20
Field Personnel: J. Masters		Task No: H02
Location: Site Wide		Reported by: J. Masters

Weather Conditions: overcast

Total Vehicle Mileage: ~ 25

Task Visitors / Subcontractors:

Matters of Safety: heat stress, slips trips falls, Pinch points

Problems / Concerns and Corrective Actions Taken:

Bees

Time	Activities
0600	H&S Meeting
0755	Sample ES-131
0820	locked out of ES-7
0935	Sample ES-5
1110	Get keys
1125	ES-7 well lid full of bees
1230	Sample DBMW-8
1300	ES-7 stid full of bees
1340	Dump purge water

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/18/20
Field Personnel: Bchhun		Task No: H02
Location: Site Wide		Reported by: Bchhun

Weather Conditions: sunny, 90s

Total Vehicle Mileage: 9400 - 9408

Task Visitors / Subcontractors:

Matters of Safety:
wind, heat, sun

Problems / Concerns and Corrective Actions Taken:

Time	Activities
0600	Meet at office for health and safety meeting
0700	Arrive at M-137
1000	Arrive at M-10 - NPDES well
1130	Back at office to dropoff chart hold samples
1150	Check in at EMD
1200	Arrive at M-52
1320	Check out of EMD
1415	Back at office for equipment calibration, sample dropoff, etc.

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/19/20
Field Personnel: JB, BC, AC, JM, RP, DD, AM, JR		Task No: H02
Location: Site Wide		Reported by: Jesse Bunkers

Weather Conditions: <73°F Sunny, Windy

Total Vehicle Mileage: 45

Task Visitors / Subcontractors: None

Matters of Safety:

Hydration

Problems / Concerns and Corrective Actions Taken:

None

Time	Activities
0600	Meet sampling team at Tt office, safety meeting, gather supplies, mobe to field
0800	Arrive at WMW5.7N, download transducer, mobe to ~~NERT 4.2 NI~~ 4.9 NI
0850	Arrive at WMW4.9N attempt to download transducer, comm error with App interface, works with PC interface, mobe to WMW6.15N
0910	Arrive at MWW6.15N attempt to download transducer, comm error with App interface, works with PC interface, hand over SNWA keys to AC. AC truck stuck in soft sand. Assist getting truck unstuck, mobe to NERT 3.35 SI
1130	Arrive at NERT 3.35 SI, download transducer, cannot stop/restart using App interface. DD to collect sample, mobe to NERT 3.40 NI
1200	Arrive at NERT 3.40 SI, download, same issue with stop/restart function, log continues, DD to sample, mobe to S3.50 SW
1240	Arrive at S3.50 SW, overgrown with reeds, comm error with App interface, no download, mobe to NERT 3.58 SI, download transducer, cannot stop/restart
1400	JR has dead truck battery, mobe to provide jump.
1445	Arrive at office, pack coolers
1500	Hand off samples to courier
1645	Done for day

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/19/20
Field Personnel: A. Morgan		Task No: H02
Location: Site Wide		Reported by: A. Morgan

Weather Conditions: Sunny, windy

Total Vehicle Mileage: 16

Task Visitors / Subcontractors:

Matters of Safety: heat, dehydration, wind

Problems / Concerns and Corrective Actions Taken:

Time	Activities
0600	Meet @ TT Henderson field office. Tailgate safety meeting w/ Sampling team. prep equipment and load truck
0700	mob to first well.
	Sample wells LVWPS-MW201 (A and B) and PC-(198, 199)
1400	Mob back to office, relinquish sample, Calibrate YSI, drop purge water at pad.

TETRA TECH **FIELD INVESTIGATION DAILY LOG**

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: May 19, 2020
Field Personnel: Ron Phillips		Task No: H02
Location: Site Wide		Reported by: Ron Phillips

Weather Conditions: AM: Mostly sunny, breeze, ~ 63°F. PM- Sunny, wind, ~ 75°

Total Vehicle Mileage: 39

Task Visitors / Subcontractors:

Matters of Safety:

Problems / Concerns and Corrective Actions Taken:

Time	Activities
0553	Arrive at Tt office. Load equipment/supplies. Safety meeting: traffic, hydration, bees
063	Leave office, drive to NERT site to get delineators for marking out work area at DBMW-12
0643	Leave NERT, travel to DBMW-12 area. Search for it, but can't locate. May be covered by landscaping. I send Jesse a text asking if a metal detector is at the office
0738	Leave & go to ES-4
0745	Arrive ES-4. Measure DTW 40.49, TD 92.50. Tubing is ~15 down the well, so I fish it out. Set pump @ 80' BGS.
815	Start purging. Purge 2 1/2 liters. Flow rate is low to avoid drawdown. Final flow rate is 32 ml/min
0859	Sample. (start - time recorded on log/labels.
0909	Finish sampling. Pull pump & decon w/ triple rinse.
0932	Collect field blank FB-23. Pack up. Drive to office for copies & manhole removal tool.
1025	Arrive ES-32. DTW 49.71, TD 95.7 BTOC, ~ 93 BGS. No tubing in well. Set pump with intake at center of screen (82').
1049	Began purging. Slow recharge, so flow rate from pump needed to be low. It stabilized with the purge rate <20 ml/min. Purge 1 1/2 L
1127	Start sampling
1138	Finish sampling. Remove pump. Decon pump & probe w/ triple rinse. Put tubing in well. Text the group to see if anyone needs help.
1210	Leave & go back to DBMW-12 area. No luck finding it. While I am there, Andrew calls & asks if I can measure M-95 & M-96. Should be dry.
1250	Arrive at the auto junkyard where M-95 & M-96 are. I check in at the entry & they guide me to the office. I am given the approval.

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5-19-2020
Field Personnel: Ron Phillips		Task No: H02
Location: Site Wide		Reported by:

Weather Conditions: see Pg 1

Total Vehicle Mileage: A1

Task Visitors / Subcontractors:

Matters of Safety:

Problems / Concerns and Corrective Actions Taken:

Time	Activities
1300	Check DTW @ M-96 = 18.25, TD 35.30. The TD does not match with last year's measurement of 16.74', Also, the bottom of screen is supposed to be 20.2', so The sump is quite long or there is an error somewhere. I double checked my readings.. No time to sample today
1310	Move to M-95. A junked car's tire is directly on top of it. I was able to push the car a little bit to access the well. DTW 18.87, TD = 20.27. This means there is 1.4' of water, or the pump intake would only be ~ 8" below top of water. May not be a sufficient amount to sample.
1330	Leave site of M-95/96
1350	Arrive office. Turn in samples. Turn in logs. Calibrate multi-meter. Dump purge water.

Note: After discussion at the office, it was determined that I was not measuring M-96. Apparently there is another well in the area that is not shown on the maps in the binder

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/19/20
Field Personnel: Dylan Davis		Task No: H02
Location: Site Wide		Reported by:

Weather Conditions: Windy, mid 20's high.

Total Vehicle Mileage: 93701 / 93716 — 15 miles

Task Visitors / Subcontractors:

Matters of Safety: Bees at MW-4. Left well lid open last night which eliminated the majority of bees.

Problems / Concerns and Corrective Actions Taken: Called grounds crew to spray well again. Waited ~~until~~ until bees were completely gone before sampling.

Time	Activities
0600	Arrive at Henderson office. Load equipment and safety meeting.
0700	Arrive at MW-4. Bees still present. Contacted grounds crew to come spray again. Waited ~~until~~ until bees were completely gone before sampling.
0816	Begin purge of MW-4.
0832	Sample MW-4. Decon and move to next well.
0900	AA-18 appears to be destroyed. Walked around area with construction superintendent and could not locate well. New house constructed over where existing well was. Supposed to have been moved to road right-of-way but nothing was found.
1038	Begin purge of DBMW-15
1055	Sample DBMW-15. Decon equipment and move to next well.
1130	Meet Jesse at NERT3.35SL.
1219	Begin purge of NERT3.35SL
1245	Sample NERT3.35SL. Decon and move to next well.
1336	Begin purge of NERT3.40SL
1355	~~Begin sa~~ Sample NERT3.40SL. Decon and return to office.
1430	Accive at office. Drop off samples and calibrate YSI.
1530	Depart for day.

TETRA TECH

FIELD INVESTIGATION DAILY LOG

Page ___ of ___

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/19/20
Field Personnel: BChhun		Task No: H02
Location: Site Wide		Reported by: BChhun

Weather Conditions: 70s, windy

Total Vehicle Mileage: 9413 - 9430

Task Visitors / Subcontractors:

Matters of Safety:
Insects, wind, homeless people

Problems / Concerns and Corrective Actions Taken:

Time	Activities
0600	Meet at office for H&S meeting
0655	Arrive at ES-12
0700	Triple rinse decon equipment with alconox
0842	Arrive at DBMW-5
0955	Arrive at ES-13
1140	Arrive at DBMW-7
1400	Back at office for equipment calibration, sample dropoff, etc

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/19/20
Field Personnel: Crockett		Task No: H02
Location: Site Wide		Reported by: Crockett

Weather Conditions: Windy, Cool

Total Vehicle Mileage: 51 Start 10465 End 10516

Task Visitors / Subcontractors: —

Matters of Safety: Bees, public interactions

Problems / Concerns and Corrective Actions Taken: —

Time	Activities
0600	Arrive Henderson office for safety ~~&~~ mtg
0740	Arrive NERT4.38N1 for sampling. Sample, download transducer, decon.
0915	Arrive WMW4.9N for transducer download. Download transducer.
0940	Arrive WMW6.15N for transducer download. Download transducer. Research transducer connection options to avoid comm issues.
1045	Arrive WMW6.9N for transducer download. Download transducer
1120	Arrive WMW3.5N for transducer download. Download transducer.
1200	Arrive LNDMW-2 for transducer download. Call for lock combination (number written on lock - 702 249 3917). Get combo (8103). Download transducer. Transducer log had stopped due to full memory — deleted log & restarted.
1350	Arrive WMW6.9S for transducer download. Download transducer. Well is in a bush; will be inaccessible soon.
1430	Arrive back at Henderson office; sample paperwork, calibration.

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/19/2020
Field Personnel: James Roman		Task No: H02
Location: Site Wide		Reported by: J. Roman

Weather Conditions: Windy, Sunny, 70°F

Total Vehicle Mileage: ~13 miles

Task Visitors / Subcontractors: NBSCO

Matters of Safety: Biological Hazards (Bees in well); Weather

Problems / Concerns and Corrective Actions Taken: None

Time	Activities
0600	Arrive at TT office & Attend tailgate safety meeting; gather supplies; mobe to Site (Chimera - Olivia Pkwy Area)
0730	No traffic controls on-site; Contacting dispatch for ETA.
0800	Mobe to ES-24, begin sampling
0930	Collect sample ES-24-20200519 & ES-24-20200519-FD-20 for analytes Perchlorate, Chlorate, & Total Chromium; decon; mobe to ES-223
1140	Collect sample ES-223-20200519 for analytes Perchlorate, Chlorate, & Total Chromium; decon; mobe to ES-221
1250	Collect sample ES-221-20200519 for analytes Perchlorate, Chlorate, & Total Chromium decon; mobe JR
1320	Car battery dead: calling J. Bunkers for a battery jump
1345	Able to start field vehicle now, mobilize back to TT office
1445	Calibrate YSI
1500	Hand off samples to laboratory courier
1530	Deliver some equipment that is no longer required to mail courier
1600	Done for Day

JR

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/19/20
Field Personnel: J. Masters		Task No: H02
Location: Site Wide		Reported by: J. Masters

Weather Conditions: Very Windy, overcast

Total Vehicle Mileage: 13 miles

Task Visitors / Subcontractors:

Matters of Safety:

Bees, Traffic, pinch points

Problems / Concerns and Corrective Actions Taken:

Time	Activities
0600	H & S Meeting
0740	Sample ES-7
0940	Sample ES-23B
1105	Sample ES-23A
1210	Sample ES-21B
1335	Sample ES-21A
1400	Drop of samples
1415	Pump purge water
1430	Calibrate Equipment

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/20/20
Field Personnel: JB, BC, AC, AM, DD, RP, JR, JM		Task No: H02
Location: Site Wide		Reported by: J. Bunkers

Weather Conditions: 89°F Sunny, Calm

Total Vehicle Mileage: 35

Task Visitors / Subcontractors: None

Matters of Safety:

Stinging insects, Snakes

Problems / Concerns and Corrective Actions Taken:

Time	Activities
0600	Meet at TT office, safety review, gather supplies, mobe to field
0700	Arrive at NERT3.60S, download transducer, using App Interface with Bluetooth does not allow to stop/restart logs
0755	Arrive at S3.75, download
0810	Arrive at NERT3.63S1, download
0830	Arrive at S3.80, download
0840	Arrive at NERT3.80S1, download
0920	Arrive at NERT3.98S1, download
0950	Arrive at S4.60, download
1030	Unable to locate S4.65, covered in dense vegetation
1050	Arrive at NERT4.51S1, download
1105	Arrive at NERT4.64S1, download
1130	Unable to locate S4.75, covered in dense vegetation
1150	Arrive at NERT4.71S1, download
1300	Arrive at AA-UW2, download
1400	Arrive at office, pack sample coolers
1500	Hand off AA samples to courier, upload data
1730	Done for day

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/20/2020
Field Personnel: Crockett		Task No: H02
Location: Site Wide		Reported by: Crockett

Weather Conditions: Sunny, warm

Total Vehicle Mileage: ~50

Task Visitors / Subcontractors: —

Matters of Safety: —

Problems / Concerns and Corrective Actions Taken: —

Time	Activities
0640	Arrive Henderson office for safety mtg
0650	Arrive WMW6.555 for transducer download. No transducer in well. DTW 16.43' btoc
0730	Arrive CaH-2B1 for transducer download. Download transducer.
0750	Arrive NERT5.91S1 for transducer download. Download transducer
0815	Arrive WMW5.58S for transducer download. Download transducer.
0845	Arrive NERT5.49S1 for transducer download. Download transducer.
0905	Arrive WMW5.5S for transducer download. Download transducer
0950	Arrive NERT5.11S1 for transducer download. Download transduco.
1000	Arrive NERT4.93S1 for transducer download. Download transduco.
0940	Arrive WMW4.9S for transducer download. Vault is locked using similar lock as LNDMW-2. Call for code - no answer.
1050	Arrive LNDMW-1. Locked.
1120	Arrive WMW3.5S for transducer download. Download transducer
1250	Arrive WMW4.9S for transducer download. Call w/ Robert at SNWA confirmed combination. Download transducer.
1320	Arrive LNDMW-1 to download transducer. Download transducer.
1400	Return to WMW6.55S to confirm that it is the only well in the area and that it has no transducer. Well isn't labeled, but no other wells visible nearby. Well is missing both J-plug and transducer
1430	Return to Henderson office

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/20/2020
Field Personnel: James Roman		Task No: H02
Location: Site Wide		Reported by: J. Roman

Weather Conditions: Sunny, Calm, 70°F

Total Vehicle Mileage: ~20 miles

Task Visitors / Subcontractors: None

Matters of Safety: Biological hazards (snakes); Overexertion

Problems / Concerns and Corrective Actions Taken: None

Time	Activities
0600	Attend Tailgate Safety meeting at TT office; gather supplies
0700	Mobe to LVW site & set up sampling equipment at NERT4.64S1
0815	Collect sample (Type #3) [NERT4.64S1-20200520], decon, mobe to NERT4.93S1
1010	Collect sample (Type #3) [NERT4.93S1-20200520]
1015	Collect sample (Type #3) [NERT4.93S1-20200520-FB19]; decon
1130	Meet with J. Bunkers & A. Crockett for a transducer data download tutorial
1300	Dump Purge water at GW-11 Pond; Return to TT office
1330	Finalize Paperwork
1430	Calibrate YSI.
1500	Hand off samples to laboratory courier
1515	Done for Day.

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5-20-20
Field Personnel: Ron Phillips		Task No: H02
Location: Site Wide		Reported by: Ron Phillips

Weather Conditions: AM Sunny, Breeze, ~65

Total Vehicle Mileage: 21

Task Visitors / Subcontractors:

Matters of Safety:

Problems / Concerns and Corrective Actions Taken:

Time	Activities
0550	Arrive office. Load equipment. Receive assignment for the day. Safety meeting. Build sample kits
0630	Leave office. Drive to Las Vegas Wash area. Find NERT3.58S1. Took a bit of time to find the way to access
0720	Pull transducer. Set up. Measure DTW 34.63, TD 55.5
0735	Start purging. No water after several cycles. Pull pump & fix air leak at pump head.
0750	Resume purging. Purge 9 1/2 liters
0823	Collect sample NERT3.58S1-20200520 and duplicate (58S1-20200520-FD18 NERT3)
0830	Pull pump. Decon it & probe w/ triple rinse. pack up move to NERT3.60S1. Reinstalled transducer @ 08:38. Kept tubing out.
~~0900~~	
0850	Arrive 60S1. Begin set up. oper well
0900	Remove transducer. Install pump to 46.5. DTW = 38.38, TD = 55.3
0925	Start purging. Purge 8 liters
0957	Sample. NERT3.60S1.20200520. Pull pump.
1008	Reinstall transducer
1010	Decon pump/probe w/ triple rinse. Pack up-
1030	Catch up on notes
1045	Leave for AA-UW2
1055	Arrive AA-UW2
1058	Pull transducer. Measure DTW 65.78, TD 78.8 (BTOC) Set up, install pump
1120	Start purging. Purge 2 3/4 2
1149	Sample. Name AA-UW2-20200520
1154	Finish sampling pull pump & w/ probe
1203	Reinstall transducer. Decon pump & probe. Pack up
1220	Leave AA-UW2. Drive to GW-11 & dump purge water
1240	Arrive office. Turn in samples. Calibrate multi-meter

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/20/20
Field Personnel: J. Masters		Task No: H02
Location: Site Wide		Reported by: J. Masters

Weather Conditions: clear

Total Vehicle Mileage: 17

Task Visitors / Subcontractors:

Matters of Safety:

Bees, snakes, heatstress, traffic,

Problems / Concerns and Corrective Actions Taken:

Time	Activities
0600	H&S meeting
0650	On MW Site
0740	Sample NERT 4.5151
0910	Sample NERT 5.1151
1050	Sample NERT 5.4951
1100	Sample FB18
1230	unload gear
1330	Dump purge water

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/20/20
Field Personnel: Dylan Davis		Task No: H02
Location: Site Wide		Reported by:

Weather Conditions: Sunny, mid 70's

Total Vehicle Mileage: 93779 / 93794 15 miles

Task Visitors / Subcontractors:

Matters of Safety:

Problems / Concerns and Corrective Actions Taken:

Time	Activities
0600	Arrive at Henderson office. Load equipment and safety meeting.
~~0800~~	
0725	Begin purge of NERT3.63S1
0740	Sample NERT3.6S1. Decon equipment and move to next well.
0837	Begin purge of NERT3.80S1
0900	Sample NERT3.80S1. Decon equipment and move to next well.
1033	Begin purge of NERT3.98S1.
1100	Sample NERT3.98S1. Decon equipment and return to office.
1300	Calibration of equipment and unloading of supplies. Paperwork.

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/20/20
Field Personnel: BChhun		Task No: H02
Location: Site Wide		Reported by: BChhun

Weather Conditions: 70s, sunny

Total Vehicle Mileage: 9435 - 9458

Task Visitors / Subcontractors: Converse Consultants

Matters of Safety: snakes

Problems / Concerns and Corrective Actions Taken:

Time	Activities
0600	Meet at office for H&S meeting
0700	Arrive at MCF-06B
0815	Converse consultants arrive to locate wells for separate sampling event
0830	Arrive at MCF-06C
	COMPRESSOR LD = 3020.10
	PUMP KIT = MP-SP.09
	WLM = SOL122-200.20
	CONTROLLER = QEDMP.10-15

TETRA TECH

FIELD INVESTIGATION DAILY LOG

Page ___ of ___

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/21/20
Field Personnel: Andrew Morgan		Task No: H02
Location: Site Wide		Reported by: AB Morgan

Weather Conditions: Sunny

Total Vehicle Mileage: 20

Task Visitors / Subcontractors:

Matters of Safety: hunt, traffic

Problems / Concerns and Corrective Actions Taken:

Time	Activities
0800	Meet @ Henderson TT field office. tailgate safety meeting with sampling team.
0900	arr. gauged well MW-96 at the scrap yard. disabled vehicle partially covering well. well lid appears to be missing (or under vehicle), casing appears slightly bent. ~~Scraped~~
1000	Sampled wells PC-19?, ES-14(A,B), ES-(11,10), and DBMW-14. FD22 collected from ES-11 and EB21 collected from DBMW-14.
1800	return to office, relinquish samples, drop purge water, and unload equipment

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/21/20
Field Personnel: J. Masters		Task No: H02
Location: Site Wide		Reported by: J. Masters

Weather Conditions: clear

Total Vehicle Mileage: 17

Task Visitors / Subcontractors:

Matters of Safety:

Problems / Concerns and Corrective Actions Taken:

Time	Activities
0800	H&S Meeting
1040	Sample ES-145
1120	Sample ES-50
1225	Sample ES-51
1305	Sample ES-52
1425	Sample EB-20
1445	Pump purge water

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/21/20
Field Personnel: JB, BC, AC, AM, JM, DD, RP, JR		Task No: H02
Location: Site Wide		Reported by:

Weather Conditions: 90°F, Sunny, Breezy

Total Vehicle Mileage: 25

Task Visitors / Subcontractors: None

Matters of Safety:

Traffic

Problems / Concerns and Corrective Actions Taken:

None

Time	Activities
0800	Meet Tt sampling team at Tt office, safety meeting, standby for access to COH newly added wells
0830	Access to wells approved, gather supplies, mobe to field
0915	Arrive at M-96 to assist AM accessing well covered by junk car, moved car, well lid missing, TOC appears to be bent and covered with residual motor oil, M-96 dry TD: 16.75', mobe to COH Land Fill
1000	Arrive at LVWPS-MW224A, set up to sample, purging erroneous pH reading on YSI ProDss, calibrate twice
1110	Collect sample LVWPS-MW224A-20200521, decon, mobe to LVWPS-MW224B,
1200	Erroneous pH again, attempts to calibrate fail, mobe to Tt office to swap out YSIs
1230	Meet BC at ES-8, assist with opening well, mobe to M-13 assist AC opening well, mobe to LVWPS-MW224B, set up to sample
1250	YSI has erroneous pH readings, calibrate twice
1335	Collect sample LVWPS-MW224B-20200521, decon, mobe to MW-02
1515	Collect sample MW-02-20200521 and EB19, decon, mobe to MW-25
1605	Collect sample MW-25-20200521, decon, mobe to ~~ES-2~~ ES-8A
1725	Collect sample ES-8A-20200521, decon, mobe to GW-11
1800	Dispose purge water at GW-11, mobe to office
1830	Calibrate YSI, pack sample coolers
1900	Done for day

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: May 21, 2020
Field Personnel: Ron Phillips		Task No: H02
Location: Site Wide		Reported by: Ron Phillips

Weather Conditions: AM - Sunny, ~ 70°. PM - sunny, breeze, ~ 85°

Total Vehicle Mileage: 40

Task Visitors / Subcontractors:

Matters of Safety:

Problems / Concerns and Corrective Actions Taken:

Time	Activities
800	Meet at office. Discuss logistics, work to do
830	Begin loading equipment. Learn that we have access. Build sample kits
0850	Leave for water treatment plant, arrive, get access.
0915	Find PC-195. Measure DTW 28.76, TD 78 BTOC, ~76 BGS Install pump and new tubing. Intake ~ 67½ BGS
0930	Start purging. Andrew text messages me & asks I would like help with one of ~~5~~ four WTP area wells. Yes! I tell him he can do PC-197. I continue purging. Purge 4 liters; parameters stabilize.
1007	Start sampling
~1015	Finish sampling. Put samples on ice. Pull pump & tubing. Decon pump & prope, leave tubing in well. Move to PC-196
~1035	Arrive PC-196. Measure DTW 29.52, TD 78.4 BTOC, ~76 BGS. Install Pump & tubing with inlet @ 68' BGS
1048	Start purging. Purge until parameters stabilize at 11:18. 3 liters purged
1123	Begin sampling PC-196. Andrew brings me the samples and COC from PC-197
1144	Finish sampling PC-196. Pull pump & replace tubing. Pack up & leave. Take some ~~chromium nitrate~~ (HNO_3) containers to Andrew
1330	Leave Andrew & go to office to turn in the WTP Area samples.
1350	Arrive office, leave note for lab courier, get more HNO_3 bottles for Andrew.
1415	Deliver bottles to Andrew. Look for DBMW-9 & AA-18. Realize they are now between Galleria & sidewalk, not at location on map. Ask permission to park on sidewalk
1445	Leave area to purchase string.

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: May 21, 2020
Field Personnel: Ron Phillips		Task No: H02
Location: Site Wide		Reported by:

Weather Conditions: See Pg 1

Total Vehicle Mileage:

Task Visitors / Subcontractors:

Matters of Safety:

Problems / Concerns and Corrective Actions Taken:

Time	Activities
1515	Return (arrive at) to DBMW-9 location. Decon the pump & probe. Measure DTW 54.82 & TD 67'. Cut tubing (none in well & install pump. Intake 61'
1600	Begin purging DBMW-9. Purged 10 liters.
1703	Begin sampling DBMW-9. Audrey stops by to help. She opens AA-18 & measures it. 47.88 DTW, 47.90 TD.
1705	Finish sampling. Remove pump & re-install tubing. Decon pump & probe. Pack up. Close ~~DTW~~ DBMW-9 and AA-18
1730	Leave area. Go to GW-11 & dump purge water.
1755	Arrive at office. Turn in samples & log sheets. Unload equipment. Calibrate multi-meter

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/21/2020
Field Personnel: Crockett		Task No: H02
Location: Site Wide		Reported by: Crockett

Weather Conditions: sunny, warm

Total Vehicle Mileage: 28 start 10555 end 10583

Task Visitors / Subcontractors: —

Matters of Safety:

Problems / Concerns and Corrective Actions Taken:

Time	Activities
0800	Arrive Henderson office for scheduling/safety meeting
0950	Arrive MW-20 for sampling. Sample, download transducer, decon
1200	Arrive MW-13 for sampling. Sample, download transducer, decon.
1530	Arrive ES-27 for sampling. Sample & decon equipment.
1715	Arrive AA-18; measure depth to water and determine that it's dry.
1800	Arrive back at Henderson office; calibrate YSI; Sample paperwork.

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/21/20
Field Personnel: Dylan Davis		Task No: H02
Location: Site Wide		Reported by:

Weather Conditions: Sunny, high of 86°

Total Vehicle Mileage: 93970/93978 8 miles

Task Visitors / Subcontractors:

Matters of Safety: Sunny, hot

Problems / Concerns and Corrective Actions Taken:

Time	Activities
0800	Arrive at Henderson office. Load equipment and prepare for day.
0958	Purge LVWPS-MW102B
1020	Sample LVWPS-MW102B. Decon and move to next well.
1054	Purge LVWPS-MW102A
1130	Sample LVWPS-MW102A. Decon and move to next well.
~~12~~ 1243	Begin purge of LVWPS-MW105
1310	Sample LVWPS-MW105. Collect LVWPS-MW105-20200521-EB18 here as well. Decon and move to next well.
1418	Begin purge of ES-9.
1439	Sample ES-9. Collect FB22 here as well. Decon equipment and head to next well.
1602	Begin purge of ES-49.
1630	Sample ES-49. Decon equipment and head back to office. ~~To~~ Calibrate YSI and unload equipment
~~1830~~ 1830	Unloaded equipment, paperwork, calibrated equipment. off-site.

TETRA TECH

FIELD INVESTIGATION DAILY LOG

Page ___ of ___

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/21/20
Field Personnel: Buhhun		Task No: H02
Location: Site Wide		Reported by: Buhhun

Weather Conditions: 80s, Sunny

Total Vehicle Mileage: 9470 9507

Task Visitors / Subcontractors: Cadence Construction Contractor

Matters of Safety:

Problems / Concerns and Corrective Actions Taken:

Time	Activities
0800	Meet at office for H&S meeting
0830	Received well access
0920	Arrive at BEC-10 location - search for BEC-10, appears to be buried by access road
0940	Cannot locate BEC-10
0950	Arrive at ES-15
1050	Arrive at DBMW-13, DBMW contains a lot of silt inside well
1223	Arrive at ES-8A/8B
1239	Unable to get lock opened, get bolt cutters to replace NERT well lock on ES-8A
1250	Construction contractor to get grinder to open lock
1255	Begin to take DTW of ES-8B
1305	Construction contractor could not hook up grinder, continue purging ES-8B
1420	Back to look for BEC-10, Still cannot find, presume is buried under construction access road
1540	Arrive at ES-26
1700	Drop off sampling for Jesse at ES-8A
1715	Back at office to calibrate equipment, sample dropoff, eh

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/21/2020
Field Personnel: James Roman		Task No: H02
Location: Site Wide		Reported by: J. Roman

Weather Conditions: Sunny, Low winds, 77°F

Total Vehicle Mileage: ~20

Task Visitors / Subcontractors: None

Matters of Safety: Weather; Overexertion, Slips, trips & falls

Problems / Concerns and Corrective Actions Taken: None

Time	Activities
0800	Meet at Tt office with other gw sampling crew for safety meeting, gather supplies; mobe to NERT S.91St
1018	Collect sample (Type #3) [NERT S.91St-20200521]; decon; mobe to ES-47
1155	Collect sample (Type #2) ~~[NERT SR]~~ [ES-48-20200521]; decon; mobe to ES-48
1250	Collect sample (Type #2) [ES-48-20200521]; decon; mobe to ES-46
1500	Collect sample (Type #2) [ES-46-20200521]; decon; mobe to GW-11 to dump purge water
1630	Mobe to office to hand off samples & field forms; Calibrate YSI
1700	Done for day

JR

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/20/20
Field Personnel: A. Morgan		Task No: H02
Location: Site Wide		Reported by: A. Morgan

Weather Conditions: Sunny

Total Vehicle Mileage: 17.0

Task Visitors / Subcontractors:

Matters of Safety: heat, wind, insects

Problems / Concerns and Corrective Actions Taken:

Time	Activities
0600	Meet at TT Henderson field office. tailgate safety meeting load equipment into vehicles
0700	checked M-96 vehicle parked over (drilled).
0800	Sampled wells NERT 4.715 (1 and 2) in LVW.
1030	assist with remaining transducer reading in LVW.
1300	assist with well gauging for LVW bioremediation project.
1730	drive back to office.

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/22/20
Field Personnel: James Roman		Task No: H02
Location: Site Wide		Reported by: J Roman

Weather Conditions: Sunny, low winds - some gusts, 90°

Total Vehicle Mileage: ~ 35 miles

Task Visitors / Subcontractors: None

Matters of Safety: Biological Hazards; Overexertion; Stay hydrated

Problems / Concerns and Corrective Actions Taken: None

Time	Activities
0600	Attend Tailgate Safety meeting at office; gather supplies; mobe to ES-25A
0805	Collect sample (Type #2) [ES-25A-20200522]; decon. mobe to ES-25B
0920	Collect sample (Type #2) [ES-25A-20200522 & ES-25A-20200522-FD2]
1030	Mobe to AA:30 to replace lock we could not originally unlock.
1115	Mobe to DBMW-18 & set up sampling equipment
1245	Collect sample (Type # 1) [DBMW-18-20200522 & DBMW18-20200522-FD2] decon; mobe back to office to clear out truck & packing equipment to return
1500	Hand off samples to laboratory courier; Done for Day

JR

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/22/2020
Field Personnel: Crockett		Task No: H02
Location: Site Wide		Reported by: Crockett

Weather Conditions: Sunny, warm, windy

Total Vehicle Mileage: 34 Start 10591 End 10625

Task Visitors / Subcontractors: —

Matters of Safety: Traffic

Problems / Concerns and Corrective Actions Taken: —

Time	Activities
0600	Arrive Henderson office for safety meeting
0655	Arrive ORMW-18 for sampling. Total depth measured is at top of screen interval from well construction; well is dry.
0745	Arrive M-73 for nitrate resample. Sample, decon equipment.
0940	Arrive at Henderson office; clean, calibrate YSI.
1140	Arrive AA-30 for transducer download.
1240	Return to office for paperwork, finish clean-up.

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: May ~~23~~ 2012
Field Personnel: Ron Phillips		Task No: H02 22
Location: Site Wide		Reported by: Ron Phillips

Weather Conditions: AM: Sunny, breeze/wind, ~70° PM - Mostly sunny, 80's, wind

Total Vehicle Mileage: 22

Task Visitors / Subcontractors:

Matters of Safety: Traffic (high vis vest needed), wind

Problems / Concerns and Corrective Actions Taken:

Time	Activities
0555	Arrive at office. Load equipment. Get well assignments.
0635	Leave office
0655	Arrive ES-16. Measure DTW 52.34, TD 100.0
0715	Start purging. Low recovery. Final purge rate is only ~6 ml/min. Purge 1 liter
0805	Start sampling. Fill 1 125 ml w/EDM, & 1 125 ml sterile (added 80 ml)
0846	Finish sampling. While I was sampling, one of the traffic control gentlemen came by (~840). He asked my estimated time to be ready for the switch. I said half of an hour.
0910	Leave ES-16 after decon & pack up. Go east & tell traffic control gentleman & I am done in that lane. Standby whilst he changes over
0955	Set up at ES-17. DTW 48.60, TD 100.3. Install pump w/ ~~inlet~~ inlet at 90'. Water level rose to 48.19 while I was setting pump.
1008	Start purging. Slow recovery. Needed to reduce purge rate to 7 ml/min to stabilize water. Purged ~3/4 L
1046	Start sampling
1127	Finish sampling. Pack up, close well cover
1140	Leave ES-17
1200	Arrive office. Turn in samples. Unload and clean equipment. Help with packing. Take equipment to FedEX with Jesse

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/22
Field Personnel: A. Morgan		Task No: H02
Location: Site Wide		Reported by: A. Morgan

Weather Conditions: Sunny

Total Vehicle Mileage: 15

Task Visitors / Subcontractors:

Matters of Safety: heat, traffic

Problems / Concerns and Corrective Actions Taken:

Time	Activities
0600	Meet at Henderson std field office. Health and safety meeting w/ Sampling team. Sign calibrate YSI
0800	Sampling FS-19. Mixed act MP-10 with inconsistent flow. Switch to MP50.
0900	Collect FB21 @ FS-19 location
1000	mob to office, relenquish samples, unload equipment, dump purge water @ pond. prep rental equipment for return

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/22/20
Field Personnel: J. Masters		Task No: H02
Location: Site Wide		Reported by: J. Masters

Weather Conditions: windy

Total Vehicle Mileage: ~25

Task Visitors / Subcontractors:

Matters of Safety: wind, snakes, heat stress

Problems / Concerns and Corrective Actions Taken:

Time	Activities
0600	H&S meeting
0745	Sample DBMW-11
0820	No access to DBMW-12; well covered up in construction site
0915	Help Bounkheang
1000	no key to AA-30
1020	Help Jesse ~~find~~ look for Transducer
1105	Set up on AA-30; cut lock

TETRA TECH

FIELD INVESTIGATION DAILY LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Date: 5/22/20
Field Personnel: Buhhun		Task No: H02
Location: Site Wide		Reported by:

Weather Conditions: 80s, windy warm

Total Vehicle Mileage: 60

Task Visitors / Subcontractors:

Matters of Safety: Traffic Barricades

Problems / Concerns and Corrective Actions Taken:

Time	Activities
0600	Meet at office for HBS meeting
0657	Arrive at BEC-10 with Jesse to locate well
0711	Unable to locate BEC-10 due to tightly packed soil for access road
0750	Arrive at SS.3 with Jesse to locate transducer
0820	drop off MP-50 at ES-19 for Andrew
0830	Arrive at ES-18
0945	Arrive back at office for inventory and cleanup

Attachment E
Low-Flow Water Purging & Sampling Logs

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/8/20	Well ID: AA-01
Field Sampler(s): A. Morgan				
Transducer Removal Time: NA		Transducer Redeployment Time: NA		General Well Condition: good
Depth to Water (ft): 50.12		Screened Interval Top (ft): 31.1		Pump Intake Depth (ft): 50.4
Well Depth (ft): 51.32		Screened/Open Interval Bottom (ft): 51.1		Well Diameter (in): 4
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE		GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP
Y Dedicated Tubing Present? (Y/N)		N New Dedicated Tubing Placed? (Y/N)		
Purge Start Time: 0739				

Time	Temp. (°C)		pH (pH Units)		Conductivity (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*				
741	24.6		6.97		5.976		3.12		80.4		5.2		100	50.25	0.2	
744	24.6		6.96		5.978		3.15		79.7		4.6		100	50.31	0.5	
747	24.6		6.95		5.983		3.14		74.4		4.1		100	50.38	0.8	
Pump stopped @ 0748. water level approaching pump intake, well allowed to recharge for 15 min prior to sampling. Static water @ 50.32 after 15 min.																

Stop Purge Time: 0748	Sample Time: 0803	QA/QC Sample Time(s): —	
	Sample ID: AA-01-20200508	QA/QC Sample ID(s): —	

Observations/Comments

Bottle Set Summary

	3x VOA w/HCl	1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
1	125 mL w/EDA		250 mL Plastic		250 mL w/H_2SO_4		250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRATECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/11/20	Well ID: AA-11
Field Sampler(s): Dylan Davis				
Transducer Removal Time: —		Transducer Redeployment Time: —		General Well Condition: Good
Depth to Water (ft): —		Screened Interval Top (ft): 10.8		Pump Intake Depth (ft): NA
Well Depth (ft): 31.3		Screened/Open Interval Bottom (ft): 30.8		Well Diameter (in): 4
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE		GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP
___ Dedicated Tubing Present? (Y/N)		___ New Dedicated Tubing Placed? (Y/N)		
Purge Start Time:				

Time	Temp. (°C)		pH (pH Units)		Conductivity (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*				

DRY

Stop Purge Time:	Sample Time:	QA/QC Sample Time(s):
	Sample ID:	QA/QC Sample ID(s):

Observations/Comments

Bottle Set Summary

	3x VOA w/HCl		125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
	125 mL w/EDA		250 mL Plastic		250 mL w/H_2SO_4		250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5-21-20	Well ID: AA-18
Field Sampler(s): Ron Phillips				
Transducer Removal Time: NA	Transducer Redeployment Time: NA		General Well Condition: Good, except that it doesn't have water	
Depth to Water (ft): 47.88	Screened Interval Top (ft): unk		Pump Intake Depth (ft): NA	
Well Depth (ft): 47.90	Screened/Open Interval Bottom (ft): unk		Well Diameter (in): 4"	
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE	GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP ✓ (for probe)	
N Dedicated Tubing Present? (Y/N)	N New Dedicated Tubing Placed? (Y/N)			
Purge Start Time:				

Time	Temp. (°C)		pH (pH Units)		Conductivity (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*				
				NOT SAMPLED - ONLY 0.02' WATER												

Stop Purge Time:	Sample Time:	QA/QC Sample Time(s):
	Sample ID:	QA/QC Sample ID(s):

Observations/Comments

Bottle Set Summary

	3x VOA w/HCl		125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
	125 mL w/EDA		250 mL Plastic		250 mL w/H_2SO_4		250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/22/20	Well ID: AA-30
Field Sampler(s): J. Masters				
Transducer Removal Time: 1102		Transducer Redeployment Time: 1150		General Well Condition: Good
Depth to Water (ft): 18.75		Screened Interval Top (ft): 12		Pump Intake Depth (ft): 22
Well Depth (ft): 32		Screened/Open Interval Bottom (ft): 32		Well Diameter (in): 4
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE		GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP
Y Dedicated Tubing Present? (Y/N)		✓ New Dedicated Tubing Placed? (Y/N)		
Purge Start Time: 1108				

Time	Temp. (°C) READ	Temp. (°C) CHANGE*	pH (pH Units) READ	pH (pH Units) CHANGE*	Conductivity (mS/cm) READ	Conductivity (mS/cm) CHANGE*	DO (mg/L) READ	DO (mg/L) CHANGE*	ORP (mV) READ	ORP (mV) CHANGE*	Turbidity (NTU) READ	Turbidity (NTU) CHANGE*	Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
1111	27.2		7.55		9.513		1.62		115.9		16.8		120	18.76	.36	clear/none
1114	26.6		7.90		9.378		1.08		122.7		14.9		120	18.76	.72	clear/none
1117	26.5		7.85		9.354		0.96		126.6		11.5		120	18.76	1.08	clear/none
1120	26.5		7.84		~~9.047~~ 9.356		0.90		129.0		10.5		120	18.76	1.44	clear/none
1123	26.3		7.82		9.306		0.88		133.0		9.1		120	18.76	1.80	clear/none
1126	26.2		7.82		9.300		0.86		133.4		8.7		120	18.76	2.16	clear/none
1129	26.2	<1%	7.81	.01	9.295	0.1%	0.84	5%	136.7	3mV	9.0	<10%TU	120	18.76	2.52	clear/none

Stop Purge Time: 1132	Sample Time: 1135	QA/QC Sample Time(s): —	
	Sample ID: AA-30-20200522	QA/QC Sample ID(s): —	

Observations/Comments

Bottle Set Summary

	3x VOA w/HCl	1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
1	125 mL w/EDA	1	250 mL Plastic		250 mL w/H_2SO_4	1	250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN **3 CONSECUTIVE READINGS** ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5-20-20	Well ID: AA-UW2
Field Sampler(s): Ron Phillips				
Transducer Removal Time: 1058		Transducer Redeployment Time: 2:03		General Well Condition: Good
Depth to Water (ft): 65.78 BTOC		Screened Interval Top (ft): 57.7		Pump Intake Depth (ft): 70 1/2
Well Depth (ft): 78.8 BTOC		Screened/Open Interval Bottom (ft): 77.7		Well Diameter (in): 4"
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE		GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP ✓
Y Dedicated Tubing Present? (Y/N)		N New Dedicated Tubing Placed? (Y/N)		
Purge Start Time: 11:20				

Time	Temp. (°C) READ	Temp. (°C) CHANGE*	pH (pH Units) READ	pH (pH Units) CHANGE*	Conductivity (mS/cm) READ	Conductivity (mS/cm) CHANGE*	DO (mg/L) READ	DO (mg/L) CHANGE*	ORP (mV) READ	ORP (mV) CHANGE*	Turbidity (NTU) READ	Turbidity (NTU) CHANGE*	Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
1125	25.9		7.24		4.211		6.87		187.6		3.7		190	~~64.18~~ 66.15		clear/No
1134	26.0		7.24		4.203		6.38		198.4		3.5		125	~~64.25~~ 66.25		
1137	26.2		7.24		4.199		6.90		201.1		3.2		60	66.30		
1141	26.5		7.24		4.202		6.94		204.1		3.2		60	66.30		
1145	26.8	23%	7.24	No Change	4.207	<1%	6.93	<1%	206.1	5 mV	3.1	All <10 NTU	60	66.31	2 3/4	

Stop Purge Time: 1146	Sample Time: 11:44	QA/QC Sample Time(s): NA	
	Sample ID: AA-UW2-20200520	QA/QC Sample ID(s): NA	

Observations/Comments: DTW ~ 63 BGS, so ~15' saturated screen. Pump intake ~ 70 1/2 BGS
Final pump settings 27 sec ~~23~~ refill, 3 sec disch, 55 PSI

Bottle Set Summary

	3x VOA w/HCl	1	125 mL Plastic sterile		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
1	125 mL w/EDA		250 mL Plastic		250 mL w/H_2SO_4		250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring | Task Manager: Jesse Bunkers | Task No: H02 | Date: 5/6/20 | Well ID: ARP-1

Field Sampler(s): Dylan Davis

Transducer Removal Time: — | Transducer Redeployment Time: — | General Well Condition: Fair

Depth to Water (ft): 28.80 | Screened Interval Top (ft): 14.0 | Pump Intake Depth (ft): 36.0 Ft

Well Depth (ft): 42.8 | Screened/Open Interval Bottom (ft): 44.0 | Well Diameter (in): 2

Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE | GW Disposal: GW-11 | Equipment Decon. Method: Alconox/DI Rinse SOP

Y Dedicated Tubing Present? (Y/N) Yes | N New Dedicated Tubing Placed? (Y/N)

Purge Start Time: 1246

Time	Temp. (°C) READ	Temp. (°C) CHANGE*	pH (pH Units) READ	pH (pH Units) CHANGE*	Conductivity (mS/cm) READ	Conductivity (mS/cm) CHANGE*	DO (mg/L) READ	DO (mg/L) CHANGE*	ORP (mV) READ	ORP (mV) CHANGE*	Turbidity (NTU) READ	Turbidity (NTU) CHANGE*	Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
1247	27.1		7.13		6.283		4.26		79.6		4.9		240	28.85	0.24	
1250	26.4		7.15		6.190		3.92		90.7		8.3		240	28.85	1.44	
1253	26.1		7.15		6.137		3.76		100.3		9.2		240	28.85	2.64	
1256	26.0	<1%	7.15	0.0	6.134	<1%	3.69	1.89%	108.2	9.0mV	9.6	<10	240	28.85	3.84	
1259	26.1	✓	7.15	✓	6.188	✓	3.69	✓	109.3	✓	9.5	✓	240	28.85	5.04	

Stop Purge Time: 1259 | Sample Time: 1300 | QA/QC Sample Time(s): —

Sample ID: ARP-1-20200506 | QA/QC Sample ID(s): —

Observations/Comments

Bottle Set Summary

2	3x VOA w/HCl	1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4	
1	125 mL w/EDA	1	250 mL Plastic	1	250 mL w/H_2SO_4		250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass	

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5-5-20	Well ID: ARP 2A
Field Sampler(s): R. Phillips				
Transducer Removal Time: NA	Transducer Redeployment Time: NA		General Well Condition: Good	
Depth to Water (ft): 30.16	Screened Interval Top (ft): 23.4		Pump Intake Depth (ft): 41.8	
Well Depth (ft): 53.69	Screened/Open Interval Bottom (ft): 53.4		Well Diameter (in): 2"	
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE	GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP ✓	
Y Dedicated Tubing Present? (Y/N)	N New Dedicated Tubing Placed? (Y/N)			
Purge Start Time: 0710				

Time	Temp. (°C) READ	Temp. (°C) CHANGE*	pH (pH Units) READ	pH (pH Units) CHANGE*	Conductivity (mS/cm) READ	Conductivity (mS/cm) CHANGE*	DO (mg/L) READ	DO (mg/L) CHANGE*	ORP (mV) READ	ORP (mV) CHANGE*	Turbidity (NTU) READ	Turbidity (NTU) CHANGE*	Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
0715	24.2		7.20		6.406		4.81		167.3		1.87		300	30.15		no/no
0720	24.3		7.20		6.410		4.59		170.0		1.11		300	30.16		
0725	24.3		7.19		6.410		4.56		170.8		1.00		300	30.16		
0730	24.3	<1%	7.19	0	6.410	<1%	4.55	1%	171.5	1.9 mV	0.89	all <10 NTU	300	30.17		
0735	24.4		7.19		6.410		4.50		172.6		0.81		300	30.18		
0740	24.4		7.19		6.407		4.5		173.4		0.73		300	30.17	9 L	↓

Stop Purge Time: 0741	Sample Time: 07:46		QA/QC Sample Time(s): NA		
	Sample ID: ARP-2A-20200505		QA/QC Sample ID(s): NA		

Observations/Comments

Pump settings: Refill 11 sec, Disc 9 sec, Pressure ~~125~~ 55 PSI

Bottle Set Summary

2+	3x VOA w/HCl	✓	125 mL Plastic Sterile		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
✓	125 mL w/EDA	✓	250 mL Plastic		250 mL w/H_2SO_4	✓	250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:

± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/6/20	Well ID: ARP-3A
Field Sampler(s): Dylan Davis				
Transducer Removal Time: N/A	Transducer Redeployment Time: N/A		General Well Condition: Good	
Depth to Water (ft): 32.66	Screened Interval Top (ft): 20.5		Pump Intake Depth (ft): 37.0 ft	
Well Depth (ft): 40.8	Screened/Open Interval Bottom (ft): 40.5		Well Diameter (in):	
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE	GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP	
Y Dedicated Tubing Present? (Y/N)	N New Dedicated Tubing Placed? (Y/N)			
Purge Start Time: 1037				

Time	Temp. (°C)		pH (pH Units)		Conductivity (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*				
1038	26.9		7.22		6.751		1.28		88.7		5.8		240	32.70	0.24	
1043	26.3		7.24		6.652		1.07		89.2		5.5		240	32.70	1.44	
1048	26.5		7.24		6.647		0.97		89.2		5.1		240	32.70	2.64	
1051	26.1	<1.0%	7.24	0.0	6.625	0.43%	0.96	<1%	89.0	0.33%	4.8	<10 NTUs	240	32.70	3.84	
1054	26.1		7.24		6.618		0.96		89.5		4.9		240	32.70	5.04	

Stop Purge Time: 1054	Sample Time: 1100	QA/QC Sample Time(s): 1100
	Sample ID:	QA/QC Sample ID(s): ARP-3A-20200506-FD8

Observations/Comments

Bottle Set Summary

2	3x VOA w/HCl	1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4	
1	125 mL w/EDA	1	250 mL Plastic	1	250 mL w/H_2SO_4		250 mL poly w/HNO_3		250 mL Amber Glass w/H_2PO_4		500 mL Amber Glass	

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/6/20	Well ID: ARP-4A
Field Sampler(s): Dylan Davis				
Transducer Removal Time: —		Transducer Redeployment Time: —		General Well Condition: Good
Depth to Water (ft): 31.35		Screened Interval Top (ft): 17.6		Pump Intake Depth (ft): —
Well Depth (ft): 32.9		Screened/Open Interval Bottom (ft): 32.6		Well Diameter (in): 2"
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE		GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP
___ Dedicated Tubing Present? (Y/N)		___ New Dedicated Tubing Placed? (Y/N)		
Purge Start Time:				

Time	Temp. (°C)		pH (pH Units)		Conductivity (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*				

Insufficient Water For Sampling

Stop Purge Time:	Sample Time:	QA/QC Sample Time(s):
	Sample ID:	QA/QC Sample ID(s):

Observations/Comments

Bottle Set Summary

	3x VOA w/HCl		125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4	
	125 mL w/EDA		250 mL Plastic		250 mL w/H_2SO_4		250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass	

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/5/20	Well ID: ARP-5A
Field Sampler(s): Dylan Davis				
Transducer Removal Time: N/A	Transducer Redeployment Time: N/A		General Well Condition: Good.	
Depth to Water (ft): 32.35	Screened Interval Top (ft): 12.40		Pump Intake Depth (ft): 34.9	
Well Depth (ft): 38.3	Screened/Open Interval Bottom (ft): 37.4		Well Diameter (in): 2	
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE	GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP	
Y Dedicated Tubing Present? (Y/N)	N New Dedicated Tubing Placed? (Y/N)			
Purge Start Time: 1228				

Time	Temp. (°C) READ	Temp. (°C) CHANGE*	pH (pH Units) READ	pH (pH Units) CHANGE*	Conductivity (mS/cm) READ	Conductivity (mS/cm) CHANGE*	DO (mg/L) READ	DO (mg/L) CHANGE*	ORP (mV) READ	ORP (mV) CHANGE*	Turbidity (NTU) READ	Turbidity (NTU) CHANGE*	Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
1229	27.2		7.34		5.484		5.59		181.3		6.5		280	31.42	+	Clear/no
1234	27.3		7.33		5.472		5.66		172.5		6.2		200	31.42		
1237	27.3		7.32		5.469		5.68		176.4		5.9		200	31.42		
1240	27.5	<1.0%	7.32	0.00	5.485	<1.0%	5.68	<1.0%	173.4	3.5	5.4	<10	200	31.43		
1243	27.4	✓	7.32	✓	5.487	✓	5.70	✓	172.9	✓	5.3	✓	200	31.43	3 L	

Stop Purge Time: 1244	Sample Time: 1245	QA/QC Sample Time(s): N/A	
	Sample ID: ARP-5A-20200505	QA/QC Sample ID(s): N/A	

Observations/Comments

N/A

Bottle Set Summary

2	3x VOA w/HCl		1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
1	125 mL w/EDA		1	250 mL Plastic		250 mL w/H_2SO_4	1	250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABILIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/5/20	Well ID: ARP-6B
Field Sampler(s): Dylan Davis				
Transducer Removal Time: NA	Transducer Redeployment Time: NA		General Well Condition: Good	
Depth to Water (ft): 31.82	Screened Interval Top (ft): 27.3		Pump Intake Depth (ft): 37.1	
Well Depth (ft): 42.3	Screened/Open Interval Bottom (ft): 42.3		Well Diameter (in): 2	
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE	GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP	
Y Dedicated Tubing Present? (Y/N)	N New Dedicated Tubing Placed? (Y/N)			
Purge Start Time: 1115				

Time	Temp. (°C) READ	Temp. (°C) CHANGE*	pH (pH Units) READ	pH (pH Units) CHANGE*	Conductivity (mS/cm) READ	Conductivity (mS/cm) CHANGE*	DO (mg/L) READ	DO (mg/L) CHANGE*	ORP (mV) READ	ORP (mV) CHANGE*	Turbidity (NTU) READ	Turbidity (NTU) CHANGE*	Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
1116	27.4		7.33		8.770		6.24		177.8		18.4		90	31.85		no/no
1121	25.3		7.18		8.382		5.41		165.7		14.4		90	31.86		
1124	25.4		7.18		8.400		5.40		164.6		11.7		90	31.86		
1127	25.3	0.39%	7.18	0.00	8.392	0.09%	5.39	<1%	163.6	1.5	11.2	4.6%	90	31.86		
1130	25.3		7.18		8.394		5.39		163.1		10.2		90	31.86	T.55	

Stop Purge Time: 1131	Sample Time: 1132	QA/QC Sample Time(s): NA	
	Sample ID: ~~ARP-6B-20200505~~ ARP-6B-20200505	QA/QC Sample ID(s): NA	

Observations/Comments: NA

Bottle Set Summary

2	3x VOA w/HCl	1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
1	125 mL w/EDA	1	250 mL Plastic		250 mL w/H_2SO_4	1	250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/6/20	Well ID: ARP-7
Field Sampler(s): J. Bunkers				
Transducer Removal Time: —		Transducer Redeployment Time: —		General Well Condition: Good
Depth to Water (ft): 29.88		Screened Interval Top (ft): 13.1		Pump Intake Depth (ft): 32.7 / 32.05
Well Depth (ft): 34.77		Screened/Open Interval Bottom (ft): 38.1		Well Diameter (in): 2
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE		GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP
Y Dedicated Tubing Present? (Y/N)		N New Dedicated Tubing Placed? (Y/N)		
Purge Start Time: 1323				

Time	Temp. (°C) READ	Temp. (°C) CHANGE*	pH (pH Units) READ	pH (pH Units) CHANGE*	Conductivity (mS/cm) READ	Conductivity (mS/cm) CHANGE*	DO (mg/L) READ	DO (mg/L) CHANGE*	ORP (mV) READ	ORP (mV) CHANGE*	Turbidity (NTU) READ	Turbidity (NTU) CHANGE*	Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
1326	29.3		7.05		8.46		5.90		159.8		14.44		300	29.90		clear/none
1329	27.7		7.07		8.799		5.74		166.1		12.50		"	"		"
1332	26.9		7.09		8.884		5.59		177.2		19.85		"	"		"
1335	26.6		7.10		8.922		5.59		184.9		19.55		"	"		"
1338	26.6	0	7.11	0.01	8.922	<1%	5.50	1%	190.6	6.5	18.70	2%	"	"		"
1341	26.6		7.11		8.918		5.53		191.4		18.99		"	"	6.0	"

Stop Purge Time: 1342	Sample Time: 1345	QA/QC Sample Time(s): 1355	
	Sample ID: ARP-7-20200506	QA/QC Sample ID(s): ARP-7-20200506 – EB6	

Observations/Comments

Bottle Set Summary

4	3x VOA w/HCl	2	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
2	125 mL w/EDA	2	250 mL Plastic		250 mL w/H_2SO_4	2	250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring | Task Manager: Jesse Bunkers | Task No: H02 | Date: 5/7/20 | Well ID: ART-6

Field Sampler(s): BChhun, K Hansen

Transducer Removal Time: NA | Transducer Redeployment Time: NA | General Well Condition: good

Depth to Water (ft): (34.68) 34.40 | Screened Interval Top (ft): 17.9 | Pump Intake Depth (ft): 36.0

Well Depth (ft): (39.9) 40 | Screened/Open Interval Bottom (ft): 37.9 | Well Diameter (in): 6

Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE | GW Disposal: GW-11 | Equipment Decon. Method: Alconox/DI Rinse SOP

Y Dedicated Tubing Present? (Y/N) | N New Dedicated Tubing Placed? (Y/N) OFFSITE TUBING

Purge Start Time: 0703

Time	Temp. (°C) READ	Temp. (°C) CHANGE*	pH (pH Units) READ	pH (pH Units) CHANGE*	Conductivity (mS/cm) READ	Conductivity (mS/cm) CHANGE*	DO (mg/L) READ	DO (mg/L) CHANGE*	ORP (mV) READ	ORP (mV) CHANGE*	Turbidity (NTU) READ	Turbidity (NTU) CHANGE*	Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
0729	27.1		6.94		8.044		7.62		214.8		7.6		160	34.20		clear/N
0737	26.8		7.06		7.923		7.32		206.4		3.1		160	34.20		clear/N
0737	26.6		7.06		7.898		7.29		205.1		3.0		160	34.20		clear/N
0740	26.6	0	7.06	0	7.892	<1%	7.29	0	204.8	0.4	3.0	<10	160	34.20		clear/N
0743	26.6		7.06		7.891		7.29		204.7		3.0		160	34.20		clear/N
															3.2L	

Stop Purge Time: 0744 | Sample Time: 0745 | QA/QC Sample Time(s): DUP NA 700

Sample ID: ART-6-20200507 | QA/QC Sample ID(s): DUP NA ART-6-20200507-1136

Observations/Comments

Measured DTW from top of concrete, sample is light yellow

Bottle Set Summary

2	3x VOA w/HCl	1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
1	125 mL w/EDA	1	250 mL Plastic		250 mL w/H_2SO_4	1	250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:

± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/22/20	Well ID: BEC-10
Field Sampler(s): BChhun				
Transducer Removal Time:		Transducer Redeployment Time:		General Well Condition:
Depth to Water (ft):		Screened Interval Top (ft): 73		Pump Intake Depth (ft):
Well Depth (ft): (90)		Screened/Open Interval Bottom (ft): 88		Well Diameter (in): 4
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE		GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP
___ Dedicated Tubing Present? (Y/N)		___ New Dedicated Tubing Placed? (Y/N)		
Purge Start Time:				

Time	Temp. (°C)		pH (pH Units)		Conductivity (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*				

IN ACCESSIBLE DUE TO CONSTRUCTION

Stop Purge Time:	Sample Time:	QA/QC Sample Time(s):
	Sample ID:	QA/QC Sample ID(s):

Observations/Comments

Bottle Set Summary

	3x VOA w/HCl		125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4	
	125 mL w/EDA		250 mL Plastic		250 mL w/H_2SO_4		250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass	

*INDICATOR PARAMETERS HAVE STABLIZED WHEN **3 CONSECUTIVE READINGS** ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date 5/18/20	Well ID: BEC-12
Field Sampler(s): Dylan Davis				
Transducer Removal Time: —	Transducer Redeployment Time: —		General Well Condition: Good	
Depth to Water (ft): 50.99	Screened Interval Top (ft): ~~N/A~~ 45		Pump Intake Depth (ft): 55.5	
Well Depth (ft): 60.15	Screened/Open Interval Bottom (ft): ~~N/A~~ 60		Well Diameter (in): 4"	
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE	GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP	
✓ Dedicated Tubing Present? (Y/N)	✓ New Dedicated Tubing Placed? (Y/N)			
Purge Start Time: 1150				

Time	Temp. (°C)		pH (pH Units)		Conductivity (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*				
1151	32.1		9.50		1.719		7.32		135.2		18.4		200	51.00	0.2	clear/none
1153	27.4		8.61		1.554		7.29		151.5		14.8		200	51.05	0.8	
1156	27.2		8.32		1.544		7.17		162.1		16.0		100	51.08	1.1	
1159	27.9	↘	8.20	↘	1.561	↘	7.05	↘	172.0	↘	8.6	↘	100	51.09	1.4	
1202	28.1	<1.0%	8.19	<1.0%	1.567	<1.0%	7.00	1.4%	176.4	8.6	8.1	<10	100	51.10	1.7	
1205	28.0	✓	8.18	✓	1.569	✓	7.15	✓	180.6	✓	8.2	✓	100	51.12	2.0	

Stop Purge Time: 1205	Sample Time: 1210	QA/QC Sample Time(s): —
	Sample ID: BEC-12-20200520	QA/QC Sample ID(s): —

Observations/Comments 45 psi 10 fill / 5 discharge.

Bottle Set Summary

	3x VOA w/HCl	1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4	
1	125 mL w/EDA		250 mL Plastic		250 mL w/H_2SO_4		250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass	

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/5/20	Well ID: DBMW-4
Field Sampler(s): B. Chhun				
Transducer Removal Time: NA		Transducer Redeployment Time: NA		General Well Condition: Good
Depth to Water (ft): 24.94		Screened Interval Top (ft): 12.3		Pump Intake Depth (ft): 28.62
Well Depth (ft): 43.90		Screened/Open Interval Bottom (ft): 32.3		Well Diameter (in): 4
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE		GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP
N Dedicated Tubing Present? (Y/N)		Y New Dedicated Tubing Placed? (Y/N)		
Purge Start Time: 1200 1220				

Time	Temp. (°C) READ	Temp. (°C) CHANGE*	pH (pH Units) READ	pH (pH Units) CHANGE*	Conductivity (mS/cm) READ	Conductivity (mS/cm) CHANGE*	DO (mg/L) READ	DO (mg/L) CHANGE*	ORP (mV) READ	ORP (mV) CHANGE*	Turbidity (NTU) READ	Turbidity (NTU) CHANGE*	Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
1222	29.6		7.39		7.169		7.34		139.1		15.6		200	25.00		clear/N
1225	28.1		7.36		6.845		7.12		145.3		15.8		200	25.00		clear/N
1228	27.5		7.37		6.737		7.09		151.1		15.1		200	25.00		clear/N
1231	27.4		7.37		6.767		7.06		154.9		14.5		200	25.00		clear/N
1234	26.8	0	7.38	0	6.6727	<1%	7.07	<1%	158.9	4.4	13.2	6%	200	25.00		clear/N
1237	26.8		7.38		6.1084		7.05		161.3		13.0		200	25.00		clear/N
1240	26.8		7.38		6.690		7.06		163.3		12.5		200	25.00	4L	clear/N

Stop Purge Time: 1242

Sample Time: 1244

Sample ID: DBMW-4-20200505

QA/QC Sample Time(s): NA

QA/QC Sample ID(s): NA

Observations/Comments: pump not discharging, remove at 1215 and replace bladder

Bottle Set Summary

	3x VOA w/HCl	1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4	
1	125 mL w/EDA		250 mL Plastic		250 mL w/H_2SO_4		250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass	

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

Purge Data: DBMW-5																		
		Parameter	Temp.		pH		Conductivity		DO		ORP		Turbidity		Purge Rate	Depth to Water	Cum. Vol. Purged	Color/Odor
		Parameter Unit	C		SU		mS/cm		mg/L		mV		NTU		mL/min	ft	mL	none
		Stability	± 3%		± 0.1		± 3%		± 10% or <0.5		± 10		± 10% or <10					
sys_loc_code	measurement_date	Measurement_time	READ	CHANGE	READ	CHANGE	READ	CHANGE	READ	CHANGE	READ	CHANGE	READ	CHANGE	READ	READ	READ	READ
DBMW-5	5/19/20 9:07	09:07:00	23.3		7.73		6.537		7.59		376.4		10.3		160	26.19	160	None/None
DBMW-5	5/19/20 9:10	09:10:00	23.8	2%	7.56	0.2	6.523	0%	7.04	-7%	379.1	3	9.4	-9%	100	26.00	460	None/None
DBMW-5	5/19/20 9:13	09:13:00	23.9	0%	7.54	0.0	6.542	0%	6.96	-1%	380.3	1	10.0	6%	100	26.00	760	None/None
DBMW-5	5/19/20 9:16	09:16:00	24.0	0%	7.53	0.0	6.559	0%	6.91	-1%	381.6	1	11.8	18%	100	26.00	1060	None/None
DBMW-5	5/19/20 9:19	09:19:00	24.0	0%	7.54	0.0	6.569	0%	6.93	0%	382.7	1	12.6	7%	100	26.00	1360	None/None
DBMW-5	5/19/20 9:22	09:22:00	24.0	0%	7.51	0.0	6.575	0%	6.90	0%	384.0	1	13.9	10%	100	26.00	1660	None/None

Purge Data: DBMW-7																		
		Parameter	Temp.		pH		Conductivity		DO		ORP		Turbidity		Purge Rate	Depth to Water	Cum. Vol. Purged	Color/Odor
		Parameter Unit	C		SU		mS/cm		mg/L		mV		NTU		mL/min	ft	mL	none
		Stability	± 3%		± 0.1		± 3%		± 10% or <0.5		± 10		± 10% or <10					
sys_loc_code	measurement_date	Measurement_time	READ	CHANGE	READ	CHANGE	READ	CHANGE	READ	CHANGE	READ	CHANGE	READ	CHANGE	READ	READ	READ	READ
DBMW-7	5/19/20 11:53	11:53:00	25.8		7.86		8.840		7.58		329.9		5.6		200	55.09	600	None/None
DBMW-7	5/19/20 11:57	11:57:00	25.1	-3%	7.64	0.2	7.922	-10%	6.75	-11%	326.2	4	7.9	41%	100	55.00	900	None/None
DBMW-7	5/19/20 12:00	12:00:00	25.3	1%	7.61	0.0	7.887	0%	6.67	-1%	325.8	0	8.1	3%	100	55.00	1200	None/None
DBMW-7	5/19/20 12:03	12:03:00	25.1	-1%	7.59	0.0	7.803	-1%	6.63	-1%	327.3	2	9.2	14%	100	55.00	1500	None/None

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/18/20	Well ID: DBMW-8
Field Sampler(s): J. Masters				
Transducer Removal Time:		Transducer Redeployment Time:		General Well Condition:
Depth to Water (ft): 53.22		Screened Interval Top (ft): 48		Pump Intake Depth (ft): 58
Well Depth (ft): 70		Screened/Open Interval Bottom (ft): 68		Well Diameter (in): 4
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE		GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP
Y Dedicated Tubing Present? (Y/N)		N New Dedicated Tubing Placed? (Y/N)		
Purge Start Time: 1209				

Time	Temp. (°C) READ	Temp. (°C) CHANGE*	pH (pH Units) READ	pH (pH Units) CHANGE*	Conductivity (mS/cm) READ	Conductivity (mS/cm) CHANGE*	DO (mg/L) READ	DO (mg/L) CHANGE*	ORP (mV) READ	ORP (mV) CHANGE*	Turbidity (NTU) READ	Turbidity (NTU) CHANGE*	Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
1212	29.9		7.48		7.429		7.76		79.1		9.07		60	53.30	0.18	clear/none
1215	30.6		7.50		7.381		7.65		91.1		5.74		60	53.30	0.36	clear/none
1218	30.9		7.57		7.288		7.56		96.2		6.82		60	53.30	0.54	clear/none
1221	31.0		7.49		7.246		7.49		99.3		7.59		60	53.30	0.72	clear/none
1224	30.6		7.49		7.219		7.53		104.3		8.56		60	53.30	0.90	clear/none
1227	30.6	1%	7.49	0	7.102	2%	7.48	0.6%	105.3	6mV	9.45	<10%	60	53.30	1.08	clear/none

Stop Purge Time: 1228	Sample Time: 1230	QA/QC Sample Time(s): n/a	
	Sample ID: DBMW-8-20200518	QA/QC Sample ID(s): n/a	

Observations/Comments

Bottle Set Summary

	3x VOA w/HCl	1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4	
1	125 mL w/EDA		250 mL Plastic		250 mL w/H_2SO_4		250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass	

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5-21-20	Well ID: DBMW-9
Field Sampler(s): Ron Phillips				
Transducer Removal Time: NA	Transducer Redeployment Time: NA		General Well Condition: Good, no lock on J-plug & in public access area	
Depth to Water (ft): 54.82	Screened Interval Top (ft): 54		Pump Intake Depth (ft): 61	
Well Depth (ft): 67 BTOC (~67½ BGS)	Screened/Open Interval Bottom (ft): 74		Well Diameter (in): 4	
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE	GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP ✓	
N Dedicated Tubing Present? (Y/N)	Y New Dedicated Tubing Placed? (Y/N)			
Purge Start Time: 16:00				

Time	Temp. (°C) READ	Temp. (°C) CHANGE*	pH (pH Units) READ	pH (pH Units) CHANGE*	Conductivity (mS/cm) READ	Conductivity (mS/cm) CHANGE*	DO (mg/L) READ	DO (mg/L) CHANGE*	ORP (mV) READ	ORP (mV) CHANGE*	Turbidity (NTU) READ	Turbidity (NTU) CHANGE*	Pump Rate (mL/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
1605	30.8		6.65		5.239		7.01		184.9		22.0		60	54.82		Clear/ND
1610	27.6		6.34		4.901		7.52		208.6		31.6		180	54.82		
1615	26.0		6.32		4.804		7.57		219.1		24.3		180	54.83		
1619	25.9		6.34		4.807		7.56		223.9		22.3		180	54.83		
1623	25.9		6.37		4.809		7.53		227.3		19.3		180	54.83		
1628	25.9		6.43		4.824		7.56		230.1		16.1		180	54.84		
1632	25.7		6.42		4.805		7.54		231.3		16.4		180	54.84		
1637	25.8		6.47		4.808		7.56		232.5		14.0		180	54.84		
1640	25.7		6.49		4.807		7.57		233.1		12.0		180	54.84		
1643	25.7		6.53		4.806		7.56		233.3		11.9		180	54.84		
1646	25.6		6.57		4.804		7.58		233.3		10.9		180	54.84		
1650	25.7		6.60		4.804		7.58		233.4		9.4		180	54.84		
1654	25.8		6.65	0.09 units	4.805		7.60		232.9		7.9		180	54.84		
1657	25.8		6.71	✓	4.906	<1%	7.61		232.2	2.1	6.82	All	180	54.84		
1700	25.7	<1%	6.74		4.806		7.62	<1%	230.8	mV	6.23	<10 NTU	180	54.84	10	

Stop Purge Time: 17:10	Sample Time: 17:03	QA/QC Sample Time(s): NA
	Sample ID: DBMW-9-20200521	QA/QC Sample ID(s): NA

Observations/Comments: Pump settings: 10 sec Refill, 10 sec discharge, 40 psi

Bottle Set Summary

	3x VOA w/HCl	1	125 mL Plastic sterile		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
1	125 mL w/EDA		250 mL Plastic		250 mL w/H_2SO_4		250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

47.88

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/22/20	Well ID: DBMW-10

Field Sampler(s): CWyatt

Transducer Removal Time: N/A	Transducer Redeployment Time: N/A	General Well Condition: Good
Depth to Water (ft): 54.77	Screened Interval Top (ft): 54	Pump Intake Depth (ft): —
Well Depth (ft): 55.90 (75)	Screened/Open Interval Bottom (ft): 74	Well Diameter (in): 4
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE	GW Disposal: GW-11	Equipment Decon. Method: Alconox/DI Rinse SOP

N Dedicated Tubing Present? (Y/N) ✓ New Dedicated Tubing Placed? (Y/N)

Purge Start Time:

Time	Temp. (°C)		pH (pH Units)		Conductivity (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*				

DRY

Stop Purge Time:	Sample Time:	QA/QC Sample Time(s):
	Sample ID:	QA/QC Sample ID(s):

Observations/Comments

Bottle Set Summary

	3x VOA w/HCl	8	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4	
0	125 mL w/EDA		250 mL Plastic		250 mL w/H_2SO_4		250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass	

*INDICATOR PARAMETERS HAVE STABLIZED WHEN **3 CONSECUTIVE READINGS** ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/22/20	Well ID: DBMW-11
Field Sampler(s): J. Masters				
Transducer Removal Time: n/a		Transducer Redeployment Time: n/a		General Well Condition: Good
Depth to Water (ft): 32.46		Screened Interval Top (ft): 45		Pump Intake Depth (ft): ~~60~~ 49
Well Depth (ft): 52		Screened/Open Interval Bottom (ft): 75		Well Diameter (in): 4
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE		GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP
N Dedicated Tubing Present? (Y/N)		Y New Dedicated Tubing Placed? (Y/N)		
Purge Start Time: 0725				

Time	Temp. (°C)		pH (pH Units)		Conductivity (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*				
0728	25.3		6.79		8.484		4.67		180.9		23.6		60	32.80	.18	clear/none
0731	25.6		6.79		8.534		4.67		179.8		24.0		60	32.80	.36	clear/none
0734	25.8		6.79		8.583		4.65		179.5		24.5		60	32.80	.54	clear/none
0737	25.8		6.79		8.601		4.59		178.9		24.4		60	32.80	.72	clear/none
0740	25.8	0	6.79	0	8.612	0.3%	4.58	2%	179.0	1mV	24.2	1%	60	32.80	.9	clear/none

Stop Purge Time: 0742	Sample Time: 0745	QA/QC Sample Time(s): —	
	Sample ID: DBMW-11-20200522	QA/QC Sample ID(s): —	

Observations/Comments

Bottle Set Summary

	3x VOA w/HCl	1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
1	125 mL w/EDA		250 mL Plastic		250 mL w/H_2SO_4		250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/22/20	Well ID: DBMW-12
Field Sampler(s): J. Magers				
Transducer Removal Time: n/a		Transducer Redeployment Time: n/a		General Well Condition: Good
Depth to Water (ft):		Screened Interval Top (ft): 45		Pump Intake Depth (ft): 60
Well Depth (ft): 75		Screened/Open Interval Bottom (ft): 75		Well Diameter (in): 4
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE		GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP
___ Dedicated Tubing Present? (Y/N)		___ New Dedicated Tubing Placed? (Y/N)		
Purge Start Time:				

Time	Temp. (°C)		pH (pH Units)		Conductivity (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*				

Stop Purge Time:	Sample Time:	QA/QC Sample Time(s):
	Sample ID:	QA/QC Sample ID(s):

Observations/Comments: Inaccessible due to construction; well buried and not marked.

Bottle Set Summary

	3x VOA w/HCl		125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4	
	125 mL w/EDA		250 mL Plastic		250 mL w/H_2SO_4		250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass	

*INDICATOR PARAMETERS HAVE STABLIZED WHEN **3 CONSECUTIVE READINGS** ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

Purge Data: DBMW-13																			
		Parameter	Temp.		pH		Conductivity		DO		ORP		Turbidity		Purge Rate	Depth to Water	Cum. Vol. Purged	Color/Odor
		Parameter Unit	C		SU		mS/cm		mg/L		mV		NTU		mL/min	ft	mL	none
		Stability	± 3%		± 0.1		± 3%		± 10% or <0.5		± 10		± 10% or <10					
sys_loc_code	measurement_date	Measurement_time	READ	CHANGE	READ	CHANGE	READ	CHANGE	READ	CHANGE	READ	CHANGE	READ	CHANGE	READ	READ	READ	READ
DBMW-13	5/21/20 11:13	11:13	28.8		7.02		9.99		7.22		356		520		270	43.44	810	Cloudy/None
DBMW-13	5/21/20 11:16	11:16	25.9	-10%	7.03	0.0	9.45	-5%	7.49	4%	366	10	167	-68%	90	43.49	1080	Cloudy/None
DBMW-13	5/21/20 11:19	11:19	26.8	3%	7.03	0.0	9.57	1%	7.51	0%	368	3	153	-8%	100	43.54	1380	Cloudy/None
DBMW-13	5/21/20 11:22	11:22	27.2	1%	7.03	0.0	9.64	1%	7.53	0%	369	1	169	10%	100	44.00	1680	Cloudy/None

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/21/20	Well ID: DBMW-14
Field Sampler(s): A. Morgan				
Transducer Removal Time: NA		Transducer Redeployment Time: NA		General Well Condition: good
Depth to Water (ft): ~~33.54~~ 32.45		Screened Interval Top (ft): 35		Pump Intake Depth (ft): 50
Well Depth (ft): 55.81		Screened/Open Interval Bottom (ft): 65		Well Diameter (in): 4
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE		GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP
N Dedicated Tubing Present? (Y/N)		Y New Dedicated Tubing Placed? (Y/N)		
Purge Start Time: 1709				

Time	Temp. (°C)		pH (pH Units)		Conductivity (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*				
1712	27.7		7.60		7.024		8.73		117.3		23.9		160	32.47	0.48	none/none
1715	26.9		7.58		6.893		8.70		128.6		18.6		160	32.47	0.96	" "
1718	26.0		7.58		6.700		8.80		122.6		22.0		320	32.49	1.92	" "
1721	25.8		7.60		6.654		8.96		123.4		18.1		320	32.49	2.88	" "
1724	25.8		7.59		6.602		8.90		119.8		14.4		320	32.49	3.84	" "
1727	25.8		7.59		6.599		8.83		117.3		11.2		320	32.49	4.8	" "
1730	25.8	<1%	7.59	no change	6.577	<1%	8.63	2.3%	116.0	9.2 mV	11.6	9.8%	320	32.49	5.76	" "
1733	25.7		7.59		6.559		8.63		114.1		12.3		320	32.49	6.72	" "

Stop Purge Time: 1734	Sample Time: 1735	QA/QC Sample Time(s): 1815	
	Sample ID: DBMW-14-20200521	QA/QC Sample ID(s): DBMW-14-20200521-EB21	

Observations/Comments

Bottle Set Summary

	3x VOA w/HCl	2	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
2	125 mL w/EDA		250 mL Plastic		250 mL w/H_2SO_4		250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN **3 CONSECUTIVE READINGS** ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRATECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/19/20	Well ID: DBMW-15
Field Sampler(s): Dylan Davis				
Transducer Removal Time: —	Transducer Redeployment Time: —		General Well Condition: Good	
Depth to Water (ft): 35.21	Screened Interval Top (ft): 40		Pump Intake Depth (ft): 43ft	
Well Depth (ft): 51.20	Screened/Open Interval Bottom (ft): 63.00		Well Diameter (in): 4"	
Pump/Tubing Type: QED Bladder Pump & TUPE/LDPE	GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP	
Y Dedicated Tubing Present? (Y/N)	N New Dedicated Tubing Placed? (Y/N)			
Purge Start Time: 1037				

Time	Temp. (°C)		pH (pH Units)		Conductivity (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*				
1038	23.9		8.50		4.834		8.00		182.7		118.7		260	35.21	0.26	clear/none
1041	23.8		7.96		5.017		8.03		189.6		92.6		200	35.30	0.86	clear/none
1044	24.2		7.85		5.069		8.01		193.6		70.1		160	35.32	1.34	
1047	24.7		~~7.88~~ 7.82		5.110		7.95		196.3		93.1		50mL	35.34	1.49	
1050	23.7	\	7.79	\	5.008	\	7.97	\	201.7	\	51.9	\	160mL	35.53	1.97	
1053	23.7	<1.0%	7.78	<1.0%	5.011	<1.0%	7.97	<1.0%	203.8	2.7	72.6	11%	160mL	35.55	2.45	
1055	23.8	/	7.77	/	5.023	/	7.94	/	204.4	/	73.9	/	160mL	35.58	2.93	

Stop Purge Time: 1055	Sample Time: 1100	QA/QC Sample Time(s): —	
	Sample ID: DBMW-15-20200519	QA/QC Sample ID(s): —	

Observations/Comments: Cannot keep drawdown below 0.3ft to stabilize parameters. Will sample after one system volume. 0.43L

Bottle Set Summary

	3x VOA w/HCl	1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
1	125 mL w/EDA		250 mL Plastic		250 mL w/H_2SO_4		250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/18/20	Well ID: DBMW-16
Field Sampler(s): Dylan Davis				
Transducer Removal Time: —	Transducer Redeployment Time: —		General Well Condition: Good	
Depth to Water (ft): 81.31	Screened Interval Top (ft): 85		Pump Intake Depth (ft): 97ft	
Well Depth (ft): 110	Screened/Open Interval Bottom (ft): 110		Well Diameter (in): 4	
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE	GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP	
Y Dedicated Tubing Present? (Y/N)	N New Dedicated Tubing Placed? (Y/N)			
Purge Start Time: ~~0845~~ 0851				

Time	Temp. (°C)		pH (pH Units)		Conductivity (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*				
0852	28.5		7.81		2.264		7.75		190.6		7.4		160	81.32	0.16	clear/none
0855	26.3		7.75		2.060		8.37		195.9		4.6		160	81.31	0.64	
0858	26.3	\	7.74	\	2.074	\	8.36	\	199.8	\	4.7	\	160	81.32	1.12	
0901	26.3	<1.0%	7.74	0.0	2.073	<1.0%	8.37	<1.0%	200.1	1.5	5.0	<10	160	81.32	1.6	
0904	26.2	/	7.74	/	2.067	/	8.37	/	201.3	/	3.9	/	160	81.32	2.08	

Stop Purge Time: ~~0900~~ 0904	Sample Time: 0905	QA/QC Sample Time(s): —	
	Sample ID: DBMW-16-20200518	QA/QC Sample ID(s): —	

Observations/Comments 20D psi 5.0 sec refill / 10 sec discharge

Bottle Set Summary

	3x VOA w/HCl	1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
1	125 mL w/EDA		250 mL Plastic		250 mL w/H_2SO_4		250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/18/20	Well ID: ~~DBMW-17?~~ DBMW-17
Field Sampler(s): Dylan Davis				
Transducer Removal Time: —	Transducer Redeployment Time: —		General Well Condition: Good	
Depth to Water (ft): 62.25	Screened Interval Top (ft): 52		Pump Intake Depth (ft): 69 ft	
Well Depth (ft): 75.00	Screened/Open Interval Bottom (ft): 72		Well Diameter (in): 4	
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE	GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP	
N ~~Y~~ Dedicated Tubing Present? (Y/N)	Y ~~N~~ New Dedicated Tubing Placed? (Y/N)			
Purge Start Time: 0747				

Time	Temp. (°C)		pH (pH Units)		Conductivity (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*				
0746	24.1		7.62		2.069		8.25		206.2		8.3		200	62.27	0.2	clear/none
0751	22.1		7.46		2.116		8.04		210.7		7.2		200	62.27	0.8	
0754	21.9		7.43		1.988		7.98		211.8		7.2		200	62.27	1.4	
0757	21.8	<1.0%	7.42	0.01	1.985	<1.0%	7.97	<1.0%	211.7	0.6	6.5	<10	200	62.27	2.0	
0800	21.8		7.42		1.984		7.96		211.2		6.1		200	62.27	2.6	

Stop Purge Time: 0800	Sample Time: 0802	QA/QC Sample Time(s): —
	Sample ID: DBMW-17-20200518	QA/QC Sample ID(s): —

Observations/Comments 110 psi 10 sec refill / 5 sec discharge

Bottle Set Summary

	3x VOA w/HCl		125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
1	125 mL w/EDA		250 mL Plastic		250 mL w/H_2SO_4		250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/22/2022	Well ID: DBMW-18
Field Sampler(s): J. Roman				
Transducer Removal Time: 1140		Transducer Redeployment Time: 1300		General Well Condition: Good
Depth to Water (ft): 62.05		Screened Interval Top (ft): 45		Pump Intake Depth (ft): 55
Well Depth (ft): 68.5		Screened/Open Interval Bottom (ft): 65		Well Diameter (in): 4
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE		GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP
Y Dedicated Tubing Present? (Y/N)		Y New Dedicated Tubing Placed? (Y/N)		
Purge Start Time: 1220				

Time	Temp. (°C)		pH (pH Units)		Conductivity (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*				
1220	24.6		7.82		1.798		5.44		114.8		7.4		180	62.05		Clear/None
1235	24.5		7.63		1.816		5.12		120.3		8.2		"	62.05		"
1238	24.4	≤1%	7.63	≤0.01	1.808	<3%	5.11	<10%	120.9	≤0.5	8.5	<10	"	62.05		"
1241	24.5		7.62		1.793		5.19		121.8		9.2		"	62.05	4.1	"

Stop Purge Time: 1243	Sample Time: 1245	QA/QC Sample Time(s): 1245
	Sample ID: DBMW-18-20200522	QA/QC Sample ID(s): DBMW-18-20200522-FD21

Observations/Comments

Bottle Set Summary

	3x VOA w/HCl	2	125 mL Plastic		500 mL Plastic		500 mL w/H2SO4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
2	125 mL w/EDA		250 mL Plastic		250 mL w/H_2SO_4		250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Benkers	Task No: H02	Date: 5/13/20	Well ID: DFW-03
Field Sampler(s): S. Masters				
Transducer Removal Time: n/a		Transducer Redeployment Time: n/a		General Well Condition: Good
Depth to Water (ft): 30.75		Screened Interval Top (ft): 34		Pump Intake Depth (ft): 41.5
Well Depth (ft): 45.4		Screened/Open Interval Bottom (ft): 44		Well Diameter (in): 2
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE		GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP
Y Dedicated Tubing Present? (Y/N)		Y New Dedicated Tubing Placed? (Y/N)		
Purge Start Time: 0928				

Time	Temp. (°C)		pH (SU)		Conductivity (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Purge Rate (mL/min)	Depth to Water (ft)	Cumul. Vol. Purged (L)	Observations*
	READ	CHANGE	READ	CHANGE	READ	CHANGE	READ	CHANGE	READ	CHANGE	READ	CHANGE				
0931	25.1		7.03		6.457		1.37		143.0		29.66		120	30.75	.36	clear/none
0934	25.0		7.09		6.357		1.95		140.2		22.09		120	30.75	.72	clear/none
0937	25.0		7.13		6.286		2.88		138.1		15.47		120	30.75	1.08	clear/none
0940	25.1		7.17		6.206		3.91		136.5		12.32		120	30.75	1.44	clear/none
0943	25.3		7.20		6.147		4.44		135.1		9.82		120	30.75	1.80	clear/none
0946	25.2	"	7.23	"	6.076		4.68		134.0		7.77		120	30.75	2.16	clear/none
0949	25.2	"	7.24	"	6.086		4.72		133.4		8.60		120	30.75	2.52	clear/none
0952	25.2	/0	7.25	0.2%	6.081	<1%	4.75	1.5%	132.8	1.2mV	6.57	<10%	120	30.75	2.88	clear/none

Stop Purge Time: 0953	Sample Time: 0955	QA/QC Sample Time(s): NA	
	Sample ID: DFW-03-20200513	QA/QC Sample ID(s): NA	

Observations/Comments

Bottle Set Summary

2	3x VOA w/HCl	1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
1	125 mL w/EDA	1	250 mL Plastic		250 mL w/H_2SO_4	1	250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunters	Task No: H02	Date: 5/13/20	Well ID: DFW-04
Field Sampler(s): J. Masters				
Transducer Removal Time: N/a		Transducer Redeployment Time: N/a		General Well Condition: Good, missing bolts
Depth to Water (ft): 31.95		Screened Interval Top (ft): 44		Pump Intake Depth (ft): 46.5
Well Depth (ft): 49.24		Screened/Open Interval Bottom (ft): 49		Well Diameter (in): 2
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE		GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP
N Dedicated Tubing Present? (Y/N)		Y New Dedicated Tubing Placed? (Y/N)		
Purge Start Time: 1047				

Time	Temp. (°C)		pH (s.u.)		Conductivity (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Pump Rate (mL/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*				
1052	25.2		7.13		8.423		1.09		130.6		128.45		150	31.56	.75	clear/none
1057	25.2		7.17		8.456		0.81		138.5		45.12		150	31.56	1.5	clear/none
1102	25.3		7.18		8.398		0.75		136.7		26.94		150	31.56	2.25	clear/none
1107	25.5		7.20		8.397		0.82		143.1		21.05		150	31.56	3.00	clear/none
1112	25.6		7.19		8.399		0.81		141.5		17.69		150	31.56	3.75	clear/none
1117	25.5		7.20		8.392		0.84		145.9		13.81		150	31.56	4.5	clear/none
1122	25.5	0.1%	7.20	0.01%	8.399	0.06%	0.85	4.9%	145.9	4 mV	9.24	<10 NTU	150	31.56	5.25	clear/none

Stop Purge Time: 1123	Sample Time: 1125	QA/QC Sample Time(s): NA	
	Sample ID: DFW-04-20200513	QA/QC Sample ID(s): NA	

Observations/Comments

Bottle Set Summary

2	3x VOA w/HCl	1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
1	125 mL w/EDA	1	250 mL Plastic		250 mL w/H_2SO_4	1	250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRATECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/13/20	Well ID: DFW-05
Field Sampler(s): S. Masters				
Transducer Removal Time: N/a		Transducer Redeployment Time: N/a		General Well Condition: Good, missing bolts
Depth to Water (ft): 30.75		Screened Interval Top (ft): 44		Pump Intake Depth (ft): 46.5
Well Depth (ft): 49.19		Screened/Open Interval Bottom (ft): 49		Well Diameter (in): 2
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE		GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP
Y Dedicated Tubing Present? (Y/N)		N New Dedicated Tubing Placed? (Y/N)		
Purge Start Time: 1219				

Time	Temp. (°C)		pH (pH Units)		Conductivity (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Purge Rate (mL/min)	Depth to Water (ft)	Cumul. Vol. Purged (L)	Comments/Observations
	READ	CHANGE	READ	CHANGE	READ	CHANGE	READ	CHANGE	READ	CHANGE	READ	CHANGE				
1224	28.0		7.42		2.998		1.43		95.8		176.87		120	31.65	.6	clear/none
1229	28.0		7.39		2.528		4.05		122.7		70.05		120	31.70	1.2	clear/none
1234	27.3		7.21		6.526		0.84		131.1		30.75		120	31.72	1.8	clear/none
1239	27.2		7.20		6.400		0.77		123.2		23.38		120	31.85	2.4	
~~1244~~	Stopped purge														~~3.0~~	
1257	Purge resumed @ 1257															
1302	27.6		7.18		6.526		1.09		121.1		20.94		120	31.65	3.0	clear/none
1307	27.6		7.18		6.552		0.75		120.8		19.75		120	31.71	3.6	clear/none
1312	27.6		7.18		6.553		0.66		120.6		16.99		120	31.74	4.2	clear/none
1317	27.6		7.18		6.555		0.63		120.6		15.87		120	31.8	4.8	clear/none
1322	27.6	0%	7.18	0%	6.557	0.6%	0.62	6%	120.5	-1mV	15.12	6%	120	31.86	5.4	clear/none

Stop Purge Time: 1324

Sample Time: 1325

Sample ID: DFW-05-20200513

QA/QC Sample Time(s): NA

QA/QC Sample ID(s): NA

Observations/Comments: Purge stopped @ 1239 and resumed at 1257

Bottle Set Summary

2	3x VOA w/HCl	1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4	
1	125 mL w/EDA	1	250 mL Plastic		250 mL w/H_2SO_4	1	250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass	

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring | Task Manager: Jesse Burkers | Task No: H02 | Date: 5/14/20 | Well ID: DFW-06

Field Sampler(s): J. Masters

Transducer Removal Time: n/a | Transducer Redeployment Time: n/a | General Well Condition: Good

Depth to Water (ft): 34.56 | Screened Interval Top (ft): 44 | Pump Intake Depth (ft): 45

Well Depth (ft): 48.95 | Screened/Open Interval Bottom (ft): 49 | Well Diameter (in): 2

Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE | GW Disposal: GW-11 | Equipment Decon. Method: Alconox/DI Rinse SOP

Y Dedicated Tubing Present? (Y/N) | Y New Dedicated Tubing Placed? (Y/N)

Purge Start Time: 0717

Time	Temp. (°C) READ	Temp. (°C) CHANGE*	pH (pH Units) READ	pH (pH Units) CHANGE*	Conductivity (mS/cm) READ	Conductivity (mS/cm) CHANGE*	DO (mg/L) READ	DO (mg/L) CHANGE*	ORP (mV) READ	ORP (mV) CHANGE*	Turbidity (NTU) READ	Turbidity (NTU) CHANGE*	Purge Rate (mL/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
0720	23.0		6.98		2.855		2.04		172.8		3.10		75	34.80	.225	clear/none
0723	23.2		6.97		3.208		1.75		172.7		4.25		75	34.80	.450	clear/none
0726	23.2		6.96		3.544		1.58		173.4		1.92		75	34.80	.675	clear/none
0729	23.2		6.95		3.810		1.47		173.6		1.86		75	34.80	.900	clear/none
0732	23.3		6.94		4.185		1.39		173.8		1.90		75	34.80	1.125	clear/none
0735	23.3		6.94		4.590		1.35		173.6		1.66		75	34.80	1.350	clear/none
0738	23.3		6.94		4.612		1.34		173.5		1.59		75	34.80	1.575	clear/none
0741	23.5	0%	6.94	0.0%	4.630	0.8%	1.32	2%	173.7	.2mV	1.45	<10	75	34.80	1.8	clear/none

Stop Purge Time: 0743 | Sample Time: 0745 | Sample ID: DFW-06-20200514 | QA/QC Sample Time(s): 0810 | QA/QC Sample ID(s): ~~DFW-06-20200514~~ DFW-06-20200514-FB15

Observations/Comments

Bottle Set Summary

2	3x VOA w/HCl	1	125 mL Plastic		500 mL Plastic		500 mL w/H2SO4		500 mL poly w/HNO3		250 mL Amber Glass w/H2SO4
1	125 mL w/EDA	1	250 mL Plastic		250 mL w/H2SO4	1	250 mL poly w/HNO3		250 mL Amber Glass w/H3PO4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5-18-20	Well ID: ES-1
Field Sampler(s): Ron, Phillips				
Transducer Removal Time: N/A		Transducer Redeployment Time: N/A		General Well Condition: Good
Depth to Water (ft): 48.25		Screened Interval Top (ft): 95		Pump Intake Depth (ft): 102 BGS, ~105 BTOC
Well Depth (ft): 113.3 BTOC, ~110 BGS		Screened/Open Interval Bottom (ft): 110		Well Diameter (in): 4
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE		GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP
N Dedicated Tubing Present? (Y/N)		Y New Dedicated Tubing Placed? (Y/N)		
Purge Start Time: 12:52				

Time	Temp. (°C) READ	Temp. (°C) CHANGE*	pH (pH Units) READ	pH (pH Units) CHANGE*	Conductivity (mS/cm) READ	Conductivity (mS/cm) CHANGE*	DO (mg/L) READ	DO (mg/L) CHANGE*	ORP* (mV) READ	ORP* (mV) CHANGE*	Turbidity (NTU) READ	Turbidity (NTU) CHANGE*	Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
1244	31.1		7.46		4.059		8.45		198.5		26.3		37	48.21		Clear/NO
1248	31.8		7.44		3.804		8.15		202.6		32.4		30	48.26		
1253	32.5		7.42		3.639		7.81		204.7		28.1		4	48.29		
1259	33.7		7.42		3.587		7.70		203.7		23.4		18	48.30		
1304	34.0		7.41		3.545		8.40		202.9		23.8		18	48.31		
1309	34.2		7.41		3.537		9.29		202.7		22.7		18	48.33		
1312	34.1		7.41		3.531		9.36		203.1		20.0		18	48.34		
1317	33.8		7.41		3.472		9.13		202.1		20.8		18	48.35		
1320	33.9		7.41		3.465		9.34		201.0		23.6		18	48.36		
1323	34.1		7.40		3.450		9.33		200.0		20.5		18	48.36		
1326	34.3		7.40		3.435		9.36		199.7		18.6		18	48.38		
1330	34.4		7.40		3.428		9.53		200.9		16.1		18	48.38		
1333	34.5		7.40		3.426		9.61		202.5		14.2		18	48.39		
1336	34.5		7.40		3.426		9.69		203.5		16.1		18	48.40		
1339	34.6		7.40		3.423		9.69		204.6		12.8		18	48.40	1+	

Stop Purge Time: 1356	Sample Time: 1359	QA/QC Sample Time(s): NA	
	Sample ID: ES-1-20200518	QA/QC Sample ID(s): NA	

Observations/Comments: Pump settings (beginning 12:55): Refill 16.5 s, Discharge 3.5 s, pressure 60 psi. Temperatures are influenced by ambient.

Bottle Set Summary

	3x VOA w/HCl		1	125 mL Plastic sterile		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
1	125 mL w/EDA			250 mL Plastic		250 mL w/H_2SO_4		250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5-18-20	Well ID: ES-1
Field Sampler(s): Ron Phillips				
Transducer Removal Time: NA		Transducer Redeployment Time: NA		General Well Condition: Good
Depth to Water (ft): 48.25		Screened Interval Top (ft): 95		Pump Intake Depth (ft): 102 BGS, ~105 BTOC
Well Depth (ft): 113.3 BTOC, ~110 BGS		Screened/Open Interval Bottom (ft): 110		Well Diameter (in): 4
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE		GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP
N Dedicated Tubing Present? (Y/N)		Y New Dedicated Tubing Placed? (Y/N)		
Purge Start Time: 12:32				

Time	Temp. (°C) READ	Temp. (°C) CHANGE*	pH (pH Units) READ	pH (pH Units) CHANGE*	Conductivity (mS/cm) READ	Conductivity (mS/cm) CHANGE*	DO (mg/L) READ	DO (mg/L) CHANGE*	ORP (mV) READ	ORP (mV) CHANGE*	Turbidity (NTU) READ	Turbidity (NTU) CHANGE*	Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
1342	34.6		7.40		3.423		9.73		205.3		12.1		18	48.41		
1346	34.8		7.40		3.411		9.70		206.0		16.2			43.41		
1349	35.1		7.39		3.407		8.44		204.1		16.1			43.41		
1352	35.2		7.39		3.410		8.64		203.7		16.6			43.42		
1355	35.3	<1%	7.38	0.01	3.411	<1%	8.88	5%	202.8	1.3 mV	15.9	4.4%	↓	43.42	1.5	

Stop Purge Time: 1356	Sample Time: 1359	QA/QC Sample Time(s): NA	
	Sample ID: ES-1-20200518	QA/QC Sample ID(s): NA	

Observations/Comments: See Pg 1

Bottle Set Summary

	3x VOA w/HCl	1	125 mL Plastic sterile		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
1	125 mL w/EDA		250 mL Plastic		250 mL w/H_2SO_4		250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5-18-20	Well ID: ES-2
Field Sampler(s): Ron Phillips				
Transducer Removal Time: NA		Transducer Redeployment Time: NA		General Well Condition: Good
Depth to Water (ft): 46.64		Screened Interval Top (ft): 35		Pump Intake Depth (ft): ~~51~~ 51
Well Depth (ft): 58.1		Screened/Open Interval Bottom (ft): 55		Well Diameter (in): 4"
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE		GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP ✓
Y Dedicated Tubing Present? (Y/N)		N New Dedicated Tubing Placed? (Y/N)		
Purge Start Time: 0848				

Time	Temp. (°C) READ	Temp. (°C) CHANGE*	pH (pH Units) READ	pH (pH Units) CHANGE*	Conductivity (mS/cm) READ	Conductivity (mS/cm) CHANGE*	DO (mg/L) READ	DO (mg/L) CHANGE*	ORP (mV) READ	ORP (mV) CHANGE*	Turbidity (NTU) READ	Turbidity (NTU) CHANGE*	Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
0853	26.1		7.50		6.021		1.03		166.5		56.4		180	46.65	5	sl. cloudy / NO
0857	26.1		7.50		6.187		0.56		165.6		47.8		180	46.65		
0901	25.9		7.50		6.183		0.35		164.5		36.7		300	46.67		
0905	26.1		7.50		6.177		0.21		163.8		27.3		300	46.67		
0909	26.0		7.49		6.181		0.18		163.0		18.7		300	46.67		clear / NO
0914	25.9		7.49		6.177		0.23		162.7		12.3		300	46.67		
0918	25.9		7.48		6.173		0.35		163.0		11.5		300	46.67		
0922	26.0	<1%	7.47	0.02	6.168	<1%	0.48	All <0.5 mg/L	163.4	0.7 mV	11.5	7%	300	46.67	9	

Stop Purge Time: 0923	Sample Time: 0925		QA/QC Sample Time(s): NA
	Sample ID: ES-2-20200518		QA/QC Sample ID(s): NA

Observations/Comments: Pump settings: 11 s Refill, 9 s discharge. Initial pressure 30 psi. Increased pressure to 40 psi at 8:58

Bottle Set Summary

	3x VOA w/HCl	1	125 mL Plastic sterile		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
1	125 mL w/EDA		250 mL Plastic		250 mL w/H_2SO_4		250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5-18-20	Well ID: ES-3-20200518
Field Sampler(s): Ron Phillips				
Transducer Removal Time: NA	Transducer Redeployment Time: NA		General Well Condition: Good	
Depth to Water (ft): 37.16	Screened Interval Top (ft): 25		Pump Intake Depth (ft): 41	
Well Depth (ft): 48.0 BTOC	Screened/Open Interval Bottom (ft): 45		Well Diameter (in): 4"	
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE	GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP ✓	
Y Dedicated Tubing Present? (Y/N)	N New Dedicated Tubing Placed? (Y/N)			
Purge Start Time: 07:12				

Time	Temp. (°C)		pH (pH Units)		Conductivity (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*				
0719	25.0		7.27		3.981		1.54		181.9		5.4		300	37.19		Clear/NO
0723	25.1		7.13		3.986		0.82		179.7		4.1		300	37.20		
0726	25.2		7.13		3.984		0.69		176.7		4.1		300	37.20		
0731	25.1		7.13		3.986		0.64		174.3		4.8		300	37.20		
0735	25.2		7.13		3.982		0.60		172.6		5.3		300	37.20		
0739	25.2		7.13		3.985		0.70		171.1		8.2		300	37.20		
0742	25.2		7.13		3.986		0.76		170.9		8.7		300	37.20		
0745	25.3		7.13		3.981		0.64		170.1		10.8		300	37.20		
0748	25.4		7.13		3.981		0.63		169.6		8.3		300	37.20		
0751	25.3		7.13		3.981		0.66		169.8		2.9		300	37.20		
0754	25.3	<1%	7.13	No change	3.978	<1%	0.60	5%	168.0	1.8 mV	2.9	All <10 NTU	300	37.20		

Stop Purge Time: 0755	Sample Time: 0756	QA/QC Sample Time(s): NA
	Sample ID: ES-3-20200508	QA/QC Sample ID(s): NA

Observations/Comments: Pump settings: Refill 11 sec, Disch. 9 sec, pressure 50 psi.

Bottle Set Summary

	3x VOA w/HCl	1	125 mL Plastic sterile		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
1	125 mL w/EDA		250 mL Plastic		250 mL w/H_2SO_4		250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

5-19-20

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: ~~5-19-20~~ 5-19-20	Well ID: ES-4
Field Sampler(s): Ron Phillips				
Transducer Removal Time: NA		Transducer Redeployment Time: NA		General Well Condition: Good
Depth to Water (ft): 90.99		Screened Interval Top (ft): 70 ~~80~~ BGS		Pump Intake Depth (ft): 80 BGS
Well Depth (ft): 92.5 BToc, ~90 BGS		Screened/Open Interval Bottom (ft): 90 BGS		Well Diameter (in): 4"
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE		GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP ✓ Triple rinse
Y Dedicated Tubing Present? (Y/N)		N New Dedicated Tubing Placed? (Y/N)		
Purge Start Time: 0820				

Time	Temp. (°C)		pH (pH Units)		Conductivity (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*				
0823	24.5		7.14		12.973		3.15		216.7		28.5		150	41.30		Clear/ND
0826	24.4		7.16		12.981		2.81		215.2		70.7		85	41.42		↓
0831	24.0		7.19		12.993		2.74		212.7		13.0		35	41.42		
0835	23.7		7.19		13.045		3.05		212.0		15.0		58	41.42		
0839	23.9		7.19		13.038		2.89		211.4		10.7		58	41.45		
0843	24.1		7.19		13.034		3.30		211.3		9.4		40	41.45		
0846	24.1		7.19		13.051		3.37		210.5		8.7		45	41.46		
0850	24.4		7.19		13.048		3.42		210.4		6.4		32	41.46		
0855	24.1	NO change	7.19	No change	13.069	< 1%	3.38	1.5%	209.8	1 mV	6.9	All <10 NTU	32	41.45	2 1/2	↓

Stop Purge Time: 0856	Sample Time: ES-4-20200519	QA/QC Sample Time(s): 0932	
	Sample ID: 0859	QA/QC Sample ID(s): ES-4-20200519-FB23	

Observations/Comments Final Pump settings: 16 sec Refill, 4 sec discharge, 50 psi

Bottle Set Summary

	3x VOA w/HCl	2	125 mL Plastic sterile		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4	
2	125 mL w/EDA		250 mL Plastic		250 mL w/H_2SO_4		250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass	

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRATECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/18/20	Well ID: ES-5
Field Sampler(s): J. Masters.				
Transducer Removal Time: n/a	Transducer Redeployment Time: n/a		General Well Condition: Good	
Depth to Water (ft): 36.52	Screened Interval Top (ft): 70		Pump Intake Depth (ft): ~~70~~ 77.5	
Well Depth (ft): 122	Screened/Open Interval Bottom (ft): 85		Well Diameter (in): 4	
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE	GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP	
N Dedicated Tubing Present? (Y/N)	Y New Dedicated Tubing Placed? (Y/N)			
Purge Start Time: 0914				

Time	Temp. (°C)		pH (pH Units)		Conductivity (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*				
0917	27.3		7.36		6.990		5.00		132.6		36.05		120	36.45	.36	clear/none
0920	27.2		7.36		7.003		4.62		139.3		84.89		120	36.45	.72	clear/none
0923	26.9		7.40		7.008		5.28		145.2		9.28		120	36.45	1.08	clear/none
0926	26.8		7.36		7.001		4.68		146.5		12.42		120	36.45	1.44	clear/none
0929	26.8		7.36		6.985		4.61		145.7		9.12		120	36.54	1.80	clear/none
0932	26.8	0	7.36	0	6.963	0.5%	4.58	2%	146.9	1.2 mV	8.75	<10%	120	36.54	2.16	clear/none

Stop Purge Time: 0934	Sample Time: 0935	QA/QC Sample Time(s): n/a	
	Sample ID: ES-5-20200518	QA/QC Sample ID(s): n/a	

Observations/Comments

Bottle Set Summary

	3x VOA w/HCl	1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
1	125 mL w/EDA	0	250 mL Plastic		250 mL w/H_2SO_4		250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/18/2020	Well ID: ES-6
Field Sampler(s): Jo Roman				
Transducer Removal Time: N/A	Transducer Redeployment Time: N/A	General Well Condition: Good, No dedicated tubing		
Depth to Water (ft): 32.48	Screened Interval Top (ft): 55	Pump Intake Depth (ft): 65		
Well Depth (ft): 77.85, Soft Bottom	Screened/Open Interval Bottom (ft): 75	Well Diameter (in): ~~2~~ 4		
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE	GW Disposal: GW-11	Equipment Decon. Method: Alconox/DI Rinse SOP		
N Dedicated Tubing Present? (Y/N)	Y New Dedicated Tubing Placed? (Y/N)			
Purge Start Time: 1250				

Time	Temp. (°C) READ	Temp. (°C) CHANGE*	pH (pH Units) READ	pH (pH Units) CHANGE*	Conductivity (mS/cm) READ	Conductivity (mS/cm) CHANGE*	DO (mg/L) READ	DO (mg/L) CHANGE*	ORP (mV) READ	ORP (mV) CHANGE*	Turbidity (NTU) READ	Turbidity (NTU) CHANGE*	Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
1300	29.7		7.58		4.188		3.93		92.7		34.8		180	32.70		clear/none
1303	29.6		7.51		4.170		3.73		104.8		33.6		"	32.71		"
1306	30.0		7.50		4.170		3.66		111.8		25.4		"	"		"
1309	30.6	<3%	7.49	<0.1	4.169	<3%	3.61	<10%	116.5	<10 mV	24.9	<10%	"	"		"
1312	31.0		7.48		4.151		3.57		119.5		24.7		"	"	4.0	"

Stop Purge Time: 1316	Sample Time: 1315	QA/QC Sample Time(s): N/A
	Sample ID: ES-6-20200518	QA/QC Sample ID(s): N/A

Observations/Comments

Bottle Set Summary

	3x VOA w/HCl	1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
1	125 mL w/EDA		250 mL Plastic		250 mL w/H_2SO_4		250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/19/20	Well ID: ES-7
Field Sampler(s): J. Masters				
Transducer Removal Time: N/a	Transducer Redeployment Time: n/a		General Well Condition: Good	
Depth to Water (ft): 52.36	Screened Interval Top (ft): 60		Pump Intake Depth (ft): 70	
Well Depth (ft): 120	Screened/Open Interval Bottom (ft): 80		Well Diameter (in): 4	
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE	GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP	
✓ Dedicated Tubing Present? (Y/N)	X New Dedicated Tubing Placed? (Y/N)			
Purge Start Time: 0722				

Time	Temp. (°C)		pH (pH Units)		Conductivity (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*				
0725	20.2		7.36		5.332		2.82		157.6		201		90	52.45	.27	clear/none
0728	20.6		7.39		5.405		2.00		147.5		212		90	52.45	.54	clear/none
0731	20.9		7.39		5.431		1.65		142.5		205		90	52.45	.81	clear/none
0734	20.9		7.40		5.442		1.70		139.8		220		90	52.45	1.08	clear/none
0737	20.9	0	7.40	.01	5.448	0.3%	1.69	3%	136.7	6 mV	207	<10 NTU	90	52.45	1.35	clear/none

Stop Purge Time: 0738	Sample Time: 0740		QA/QC Sample Time(s): n/a	
	Sample ID: ES-7-20200519		QA/QC Sample ID(s): n/a	

Observations/Comments

Bottle Set Summary

	3x VOA w/HCl		125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
1	125 mL w/EDA		250 mL Plastic		250 mL w/H_2SO_4		250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/21/20	Well ID: ES-8A
Field Sampler(s): J. Bunkers				
Transducer Removal Time: —	Transducer Redeployment Time: —		General Well Condition: Good	
Depth to Water (ft): 47.53	Screened Interval Top (ft): 60		Pump Intake Depth (ft): 70	
Well Depth (ft): 82.50 measured	Screened/Open Interval Bottom (ft): 80		Well Diameter (in): 4	
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE	GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP	
N Dedicated Tubing Present? (Y/N)	Y New Dedicated Tubing Placed? (Y/N)			
Purge Start Time: 1706				

Time	Temp. (°C)		pH (pH Units)		Conductivity (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*				
1709	27.0		10.60		5.855		8.67		105.3		45.9		300	47.53		clear/none
1712	27.2		8.22		5.814		8.27		115.9		55.1		"	47.80		"
1715	28.1		7.87		5.847		8.45		119.6		54.4		120	47.75		"
1718	28.0	1%	7.92	0.07	5.870	1%	8.51	<1%	125.6	7.9	56.7	4%	120	"		"
1721	27.9		7.95		5.873		8.47		127.5		56.5		"	"	3	"

Stop Purge Time: 1722	Sample Time: 1725	QA/QC Sample Time(s): —	
	Sample ID: ES-8A-20200521	QA/QC Sample ID(s): —	

Observations/Comments

Bottle Set Summary

	3x VOA w/HCl	1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
1	125 mL w/EDA		250 mL Plastic		250 mL w/H_2SO_4		250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

Purge Data: ES-8B																		
		Parameter	Temp.		pH		Conductivity		DO		ORP		Turbidity		Purge Rate	Depth to Water	Cum. Vol. Purged	Color/Odor
		Parameter Unit	C		SU		mS/cm		mg/L		mV		NTU		mL/min	ft	mL	none
		Stability	± 3%		± 0.1		± 3%		± 10% or <0.5		± 10		± 10% or <10					
sys_loc_code	measurement_date	Measurement_time	READ	CHANGE	READ	CHANGE	READ	CHANGE	READ	CHANGE	READ	CHANGE	READ	CHANGE	READ	READ	READ	READ
ES-8B	5/21/20 13:01	13:01:00	33.2		7.02		6.923		6.41		337.3		32.3		40	47.91	120	None/None
ES-8B	5/21/20 13:04	13:04:00	31.9	-4%	7.02	0.0	6.710	-3%	6.29	-2%	333.4	4	14.5	-55%	160	48.02	600	None/None
ES-8B	5/21/20 13:07	13:07:00	28.6	-10%	7.02	0.0	6.246	-7%	5.56	-12%	335.4	2	68.4	372%	80	48.10	840	None/None
ES-8B	5/21/20 13:10	13:10:00	28.7	0%	7.02	0.0	6.247	0%	5.86	5%	336.5	1	38.7	-43%	80	48.14	1080	None/None
ES-8B	5/21/20 13:13	13:13:00	29.5	3%	7.02	0.0	6.304	1%	5.74	-2%	337.5	1	61.8	60%	80	48.00	1320	None/None
ES-8B	5/21/20 13:16	13:16:00	29.0	-2%	7.02	0.0	6.267	-1%	5.57	-3%	338.4	1	51.6	-17%	80	48.20	1560	None/None
ES-8B	5/21/20 13:19	13:19:00	29.0	0%	7.02	0.0	6.265	0%	5.60	1%	339.0	1	31.8	-38%	80	48.00	1800	None/None
ES-8B	5/21/20 13:22	13:22:00	28.3	-2%	7.02	0.0	6.209	-1%	5.66	1%	340.0	1	65.4	106%	80	48.23	2040	None/None
ES-8B	5/21/20 13:25	13:25:00	28.7	1%	7.02	0.0	6.206	0%	5.90	4%	342.1	2	21.2	-68%	80	48.25	2280	None/None
ES-8B	5/21/20 13:28	13:28:00	28.5	-1%	7.02	0.0	6.214	0%	5.60	-5%	342.4	0	64.4	204%	80	48.28	2520	None/None
ES-8B	5/21/20 13:32	13:32:00	28.2	-1%	7.02	0.0	6.153	-1%	5.57	-1%	342.4	0	40.1	-38%	80	48.30	2760	None/None
ES-8B	5/21/20 13:36	13:36:00	28.0	-1%	7.02	0.0	6.123	0%	5.34	-4%	342.0	0	53.8	34%	80	48.30	3000	None/None
ES-8B	5/21/20 13:39	13:39:00	28.1	0%	7.02	0.0	6.109	0%	5.46	2%	337.5	5	58.8	9%	80	48.00	3240	None/None
ES-8B	5/21/20 13:42	13:42:00	28.3	1%	7.02	0.0	6.143	1%	5.40	-1%	338.3	1	13.6	-77%	80	48.00	3480	None/None
ES-8B	5/21/20 13:45	13:45:00	28.4	0%	7.02	0.0	6.116	0%	5.34	-1%	337.7	1	38.4	182%	80	48.00	3720	None/None
ES-8B	5/21/20 13:48	13:48:00	28.6	1%	7.02	0.0	6.204	1%	5.77	8%	337.2	1	11.6	-70%	80	48.00	3960	None/None
ES-8B	5/21/20 13:52	13:52:00	28.2	-1%	7.02	0.0	6.141	-1%	5.87	2%	336.5	1	8.6	-26%	80	48.00	4200	None/None
ES-8B	5/21/20 13:55	13:55:00	28.5	1%	7.02	0.0	6.192	1%	5.95	1%	335.6	1	9.1	6%	80	48.00	4440	None/None
ES-8B	5/21/20 13:58	13:58:00	29.2	2%	7.02	0.0	6.239	1%	5.75	-3%	335.7	0	7.0	-23%	80	48.00	4680	None/None

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/21/20	Well ID: ES-9
Field Sampler(s): Dylan Davis				
Transducer Removal Time: —	Transducer Redeployment Time: —		General Well Condition: Good	
Depth to Water (ft): 61.75	Screened Interval Top (ft): 80		Pump Intake Depth (ft): 85	
Well Depth (ft): 109	Screened/Open Interval Bottom (ft): 100		Well Diameter (in): 4"	
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE	GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP	
N Dedicated Tubing Present? (Y/N)	Y New Dedicated Tubing Placed? (Y/N)			

Purge Start Time: ~~1417~~ 1417 - took 5 min to reach and fill flow cell

Time	Temp (°C) READ	Temp (°C) CHANGE*	pH (pH Units) READ	pH (pH Units) CHANGE*	Conductivity (mS/cm) READ	Conductivity (mS/cm) CHANGE*	DO (mg/L) READ	DO (mg/L) CHANGE*	ORP (mV) READ	ORP (mV) CHANGE*	Turbidity (NTU) READ	Turbidity (NTU) CHANGE*	Purge Rate (mL/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
1418	28.9		9.05		25,086		4.79		95.5		9.0		100	61.15	0.1	none/none
1421	26.0		8.21		26.041		2.81		98.7		7.0		100	61.22	1.3	clear/none
1424	26.2		8.27		26.202		2.61		100.1		6.6		100	61.23	1.6	clear/none
1427	26.7		8.11		27.476		1.74		102.4		6.6		100	61.28	1.9	
1430	26.7		8.06		27,581		1,54		97.7		6.4		100	61.33	2.2	
1433	26.7	\	8.05	\	27.574	\	1,50	\	96.9	\	5.8	\	100	61.40	2.5	
1436	26.8	<1.0%	8.03	0.15	27.576	<1.0%	1.46	8.0%	95.2	7.4	5.7	<10	100	61.46	2.8	
1439	26.6	/	7.90	/	27.556	/	1.39	/	89.5	/	6.6	/	100	61.50	3.1	

Stop Purge Time: 1439 Sample Time: 1440 QA/QC Sample Time(s): ~~1440~~ 1440

Sample ID: ES-9-20200521 QA/QC Sample ID(s): ES-9-20200521-FB02

Observations/Comments: Cannot control drawdown and keep above 50 mL/minute for sampling. Run one system volume then sample.

Bottle Set Summary

	3x VOA w/HCl	2	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
2	125 mL w/EDA		250 mL Plastic		250 mL w/H_2SO_4		250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/21/20	Well ID: ES-10
Field Sampler(s): Andrew Morgan				
Transducer Removal Time: NA		Transducer Redeployment Time: NA		General Well Condition: Good
Depth to Water (ft): 33.11		Screened Interval Top (ft): 45		Pump Intake Depth (ft): 55
Well Depth (ft): 64.67		Screened/Open Interval Bottom (ft): 65		Well Diameter (in): 4
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE		GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP
N Dedicated Tubing Present? (Y/N)		Y New Dedicated Tubing Placed? (Y/N)		
Purge Start Time: 1455				

Time	Temp. (°C)		pH (pH Units)		Conductivity (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*				
1456	–		–		–		–		–		–		60	33.00	.06	none/none
1459	29.6		7.12		12.754		4.96		125.4		5.0		60	33.11	.21	" "
1504	27.9		7.23		13.018		4.99		126.2		15.6		60	33.27	.51	" "
1509	27.6		7.27		13.049		4.85		124.7		6.5		60	33.45	.81	" "
1514	26.9		7.28		12.926		4.75		126.4		5.4		60	33.65	1.11	" "
1519	27.0		7.28		12.882		4.65		118.6		16.2		60	33.80	1.41	" "

Stop Purge Time: 1520	Sample Time: 1522	QA/QC Sample Time(s):
	Sample ID:	QA/QC Sample ID(s):

Observations/Comments Unable to stabilize drawdown <0.3'. At least 1 system volume purged prior to sample system volume calculated to be 1.35 L

Bottle Set Summary

	3x VOA w/HCl	1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
1	125 mL w/EDA	1	250 mL Plastic		250 mL w/H_2SO_4	1	250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/21/20	Well ID: ES-11
Field Sampler(s): Andrew Morgan				
Transducer Removal Time: NA		Transducer Redeployment Time: NA		General Well Condition: good
Depth to Water (ft): 27.75		Screened Interval Top (ft): 35		Pump Intake Depth (ft): 45
Well Depth (ft): 54.02		Screened/Open Interval Bottom (ft): 55		Well Diameter (in): 4
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE		GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP
N Dedicated Tubing Present? (Y/N)		Y New Dedicated Tubing Placed? (Y/N)		
Purge Start Time: 1603				

Time	Temp. (°C)		pH (pH Units)		Conductivity (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*				
1605	–		–		–		–		–		–		100	27.74	0.2	none/none
1608	28.6		7.62		7.795		7.79		102.2		2.4		80	27.78	0.44	" "
1611	28.0		7.52		7.568		7.13		121.2		0.8		80	27.86	0.68	" "
1614	28.3		7.51		7.600		7.11		129.1		1.1		75	27.95	0.91	" "
1617	27.3		7.50		7.448		7.03		135.4		1.2		75	28.02	1.13	
1620	27.0		7.50		7.429		7.05		139.7		0.7		75	28.10	1.36	" "

Stop Purge Time: 1621	Sample Time: 1625	QA/QC Sample Time(s): 1625
	Sample ID: ES-11-20200521	QA/QC Sample ID(s): ES-11-20200521-FD22

Observations/Comments Unable to stabilize drawdown < 0.3 ft. At least 1 system volume purged prior to sampling.
System volume = 1.25

Bottle/Set Summary

	3x VOA w/HCl	2	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
2	125 mL w/EDA		250 mL Plastic		250 mL w/H_2SO_4		250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN **3 CONSECUTIVE READINGS** ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

Purge Data: ES-12																		
		Parameter	Temp.		pH		Conductivity		DO		ORP		Turbidity		Purge Rate	Depth to Water	Cum. Vol. Purged	Color/Odor
		Parameter Unit	C		SU		mS/cm		mg/L		mV		NTU		mL/min	ft	mL	none
		Stability	± 3%		± 0.1		± 3%		± 10% or <0.5		± 10		± 10% or <10					
sys_loc_code	measurement_date	Measurement_time	READ	CHANGE	READ	CHANGE	READ	CHANGE	READ	CHANGE	READ	CHANGE	READ	CHANGE	READ	READ	READ	READ
ES-12	5/19/20 7:20	07:20:00	21.4		6.21		8.984		7.52		482.9		65.5		220	28.95	660	None/None
ES-12	5/19/20 7:23	07:23:00	22.1	3%	6.93	0.7	9.557	6%	6.67	-11%	444.0	39	38.2	-42%	110	29.00	990	None/None
ES-12	5/19/20 7:26	07:26:00	21.6	-2%	7.28	0.4	9.511	0%	6.65	0%	428.1	16	52.2	37%	110	29.00	1320	None/None
ES-12	5/19/20 7:29	07:29:00	21.6	0%	7.43	0.1	9.503	0%	6.99	5%	420.2	8	61.3	17%	110	29.00	1650	None/None
ES-12	5/19/20 7:32	07:32:00	21.7	0%	7.52	0.1	9.529	0%	6.81	-3%	414.7	6	64.4	5%	100	29.00	1950	None/None
ES-12	5/19/20 7:35	07:35:00	21.7	0%	7.55	0.0	9.535	0%	6.87	1%	411.5	3	88.5	37%	100	29.00	2250	None/None
ES-12	5/19/20 7:38	07:38:00	21.8	0%	7.60	0.0	9.515	0%	7.24	5%	408.1	3	19.7	-78%	100	29.00	2550	None/None
ES-12	5/19/20 7:41	07:41:00	21.8	0%	7.61	0.0	9.544	0%	6.61	-9%	406.2	2	23.2	18%	100	29.00	2850	None/None
ES-12	5/19/20 7:44	07:44:00	21.5	-1%	7.64	0.0	9.523	0%	7.45	13%	404.3	2	16.2	-30%	100	29.00	3150	None/None
ES-12	5/19/20 7:47	07:47:00	21.3	-1%	7.66	0.0	9.490	0%	7.56	1%	403.3	1	12.7	-22%	100	29.00	3450	None/None
ES-12	5/19/20 7:50	07:50:00	21.8	2%	7.66	0.0	9.515	0%	7.35	-3%	401.3	2	16.3	28%	100	29.00	3750	None/None
ES-12	5/19/20 7:53	07:53:00	21.9	0%	7.65	0.0	9.563	1%	6.59	-10%	399.5	2	17.0	4%	100	29.00	4050	None/None
ES-12	5/19/20 7:57	07:57:00	21.5	-2%	7.68	0.0	9.564	0%	7.59	15%	399.2	0	13.7	-19%	100	29.00	4450	None/None
ES-12	5/19/20 8:00	08:00:00	21.7	1%	7.68	0.0	9.575	0%	7.48	-1%	398.0	1	11.0	-20%	100	29.00	4750	None/None
ES-12	5/19/20 8:03	08:03:00	21.5	-1%	7.69	0.0	0.064	-99%	8.25	10%	397.8	0	4.1	-63%	100	29.00	5050	None/None
ES-12	5/19/20 8:06	08:06:00	21.9	2%	7.70	0.0	9.588	14881%	7.39	-10%	396.5	1	12.7	210%	100	29.00	5350	None/None
ES-12	5/19/20 8:10	08:10:00	22.1	1%	7.68	0.0	9.604	0%	7.36	0%	394.1	2	15.9	25%	100	29.00	5650	None/None
ES-12	5/19/20 8:13	08:13:00	22.2	0%	7.67	0.0	9.618	0%	6.61	-10%	393.6	1	15.9	0%	100	29.00	5950	None/None
ES-12	5/19/20 8:16	08:16:00	22.3	0%	7.66	0.0	9.638	0%	6.43	-3%	393.1	1	17.5	10%	100	29.00	6250	None/None
ES-12	5/19/20 8:20	08:20:00	22.4	0%	7.66	0.0	9.685	0%	6.86	7%	392.2	1	18.6	6%	100	29.00	6650	None/None

Purge Data: ES-13																		
		Parameter	Temp.		pH		Conductivity		DO		ORP		Turbidity		Purge Rate	Depth to Water	Cum. Vol. Purged	Color/Odor
		Parameter Unit	C		SU		mS/cm		mg/L		mV		NTU		mL/min	ft	mL	none
		Stability	± 3%		± 0.1		± 3%		± 10% or <0.5		± 10		± 10% or <10					
sys_loc_code	measurement_date	Measurement_time	READ	CHANGE	READ	CHANGE	READ	CHANGE	READ	CHANGE	READ	CHANGE	READ	CHANGE	READ	READ	READ	READ
ES-13	5/19/20 10:10	10:10:00	24.2		7.17		41.935		2.76		383.6		4.3		100	58.88	300	None/None
ES-13	5/19/20 10:13	10:13:00	24.2	0%	7.29	0.1	45.408	8%	1.21	-0.56	372.9	11	14.3	233%	100	58.96	600	None/None
ES-13	5/19/20 10:16	10:16:00	24.1	0%	7.60	0.3	46.242	2%	0.75	-0.38	366.6	6	64.1	348%	100	58.08	900	None/None
ES-13	5/19/20 10:20	10:20:00	24.3	1%	7.65	0.1	46.333	0%	0.71	-0.05	364.9	2	94.5	47%	100	59.09	1300	None/None
ES-13	5/19/20 10:23	10:23:00	24.3	0%	7.66	0.0	46.351	0%	0.65	-0.08	364.1	1	116.0	23%	100	59.12	1600	None/None
ES-13	5/19/20 10:26	10:26:00	24.2	0%	7.68	0.0	46.189	0%	2.10	2.23	363.8	0	2.7	-98%	100	59.00	1900	None/None
ES-13	5/19/20 10:29	10:29:00	24.4	1%	7.68	0.0	46.371	0%	0.61	-0.71	362.6	1	4.1	52%	100	59.00	2200	None/None
ES-13	5/19/20 10:32	10:32:00	24.4	0%	7.68	0.0	46.411	0%	0.50	-0.18	361.9	1	7.9	93%	100	59.00	2500	None/None
ES-13	5/19/20 10:35	10:35:00	24.5	0%	7.68	0.0	46.283	0%	0.85	0.70	361.7	0	3.2	-59%	100	59.00	2800	None/None
ES-13	5/19/20 10:38	10:38:00	24.6	0%	7.68	0.0	46.376	0%	0.49	-0.42	360.7	1	5.4	69%	100	59.00	3100	None/None
ES-13	5/19/20 10:41	10:41:00	24.6	0%	7.68	0.0	46.332	0%	0.43	-0.12	360.3	0	10.1	87%	100	59.00	3400	None/None
ES-13	5/19/20 10:44	10:44:00	24.7	0%	7.68	0.0	46.254	0%	0.39	-0.09	359.6	1	21.1	109%	100	59.00	3700	None/None
ES-13	5/19/20 10:49	10:49:00	24.6	0%	7.68	0.0	46.163	0%	0.50	0.28	358.6	1	3.3	-84%	100	59.00	4000	None/None
ES-13	5/19/20 10:52	10:52:00	24.7	0%	7.68	0.0	46.149	0%	0.38	-0.24	358.1	1	5.3	61%	100	59.00	4300	None/None
ES-13	5/19/20 10:56	10:56:00	23.8	-4%	7.68	0.0	44.918	-3%	1.58	3.16	345.8	12	5.4	2%	100	59.00	4600	None/None
ES-13	5/19/20 10:59	10:59:00	24.3	2%	7.69	0.0	45.663	2%	0.63	-0.60	346.9	1	8.6	59%	100	59.00	4900	None/None
ES-13	5/19/20 11:02	11:02:00	24.4	0%	7.68	0.0	45.721	0%	0.42	-0.33	348.2	1	4.1	-52%	100	59.00	5200	None/None
ES-13	5/19/20 11:07	11:07:00	24.5	0%	7.67	0.0	45.666	0%	0.48	0.14	346.6	2	3.2	-22%	100	59.00	5500	None/None
ES-13	5/19/20 11:12	11:12:00	24.5	0%	7.67	0.0	45.521	0%	0.47	-0.02	345.3	1	3.2	0%	100	59.00	5800	None/None

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

Page ___of___

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/21/20	Well ID: ES-14A
Field Sampler(s): Andrew Morgan				
Transducer Removal Time: NA	Transducer Redeployment Time: NA			General Well Condition: good
Depth to Water (ft): 49.97	Screened Interval Top (ft): 50			Pump Intake Depth (ft): 60
Well Depth (ft): 65.76	Screened/Open Interval Bottom (ft): 70			Well Diameter (in): 4
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE	GW Disposal: GW-11			Equipment Decon. Method: Alconox/DI Rinse SOP
N Dedicated Tubing Present? (Y/N)	Y New Dedicated Tubing Placed? (Y/N)			
Purge Start Time: 1212				

Time	Temp. (°C)		pH (pH Units)		Conductivity (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*				
1215	31.0		7.50		7.253		7.29		81.6		2.2		100	50.05	0.3	none/none
1218	28.0		7.41		6.757		7.14		100.4		0-5		100	50.15	0.6	" "
1221	27.8		7.40		6.680		6.99		109.1		0.8		50	50.20	0.75	" "
1224	28.7		7.40		6.746		6.92		115.7		2.0		50	50.27	0.90	" "
1227	29.3		7.41		6.831		685		123.6		3.0		50	50.34	1.05	" "
1230	29.4		7.40		6.853		675		131.0		3.5		50	50.43	1.20	" "
1235	29.3		7.38		6.819		6.66		144.8		4.7		50	50.51	1.45	" "

Stop Purge Time: 1236	Sample Time: 1240	QA/QC Sample Time(s): NA
	Sample ID: ES-14A-20200521	QA/QC Sample ID(s): NA

Observations/Comments 1 system volume purged prior to sampling. Unable to stabilize drawdown (<0.3

System volume (calculated): 1.4 L

Bottle Set Summary

	3x VOA w/HCl	1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
1	125 mL w/EDA		250 mL Plastic		250 mL w/H_2SO_4	1	250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN **3 CONSECUTIVE READINGS** ARE WITHIN:

± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/21/20	Well ID: ES-14B
Field Sampler(s): A. Morgan				
Transducer Removal Time: NA		Transducer Redeployment Time: NA		General Well Condition: good
Depth to Water (ft): 70.31		Screened Interval Top (ft): 100		Pump Intake Depth (ft): 107.5
Well Depth (ft): 115.50		Screened/Open Interval Bottom (ft): 115		Well Diameter (in): 4
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE		GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP
Y Dedicated Tubing Present? (Y/N)		Y New Dedicated Tubing Placed? (Y/N)		
Purge Start Time: 1335				

Time	Temp. (°C)		pH (pH Units)		Conductivity (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*				
1337	—		—		—		—		—		—		160	70.30	0.32	"none/none"
1339	27.6		7.62		30.118		3.94		75.2		0.7		50	70.42	0.47	" "
1342	28.1		7.61		30.377		3.57		66.8		0.5		50	70.47	0.62	" "
1345	29.0		7.62		30.984		2.48		45.3		1.1		50	70.54	0.77	" "
1348	29.4		7.61		31.230		2.12		39.5		3.1		50	70.60	0.92	" "
1351	29.8		7.60		31.490		1.86		30.4		6.3		50	70.66	1.07	" "
1401	30.4		7.59		31.825		1.53		6.6		15.0		50	70.90	1.57	" "
1408	30.0		7.64		31.950		1.42		8.6		1.7		50	71.12	1.92	" "

Stop Purge Time: 1409	Sample Time: 1410	QA/QC Sample Time(s): NA
	Sample ID: ES-14B-20200521	QA/QC Sample ID(s): NA

Observations/Comments Unable to stabilize drawdown < 0.3 ft. At least one system volume purged prior to Sample. System volume calculated to be 1.88 L

Bottle Set Summary

	3x VOA w/HCl	1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
1	125 mL w/EDA		250 mL Plastic		250 mL w/H_2SO_4	1	250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 **CONSECUTIVE READINGS** ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

Purge Data: ES-15																		
Parameter			Temp.		pH		Conductivity		DO		ORP		Turbidity		Purge Rate	Depth to Water	Cum. Vol. Purged	Color/Odor
Parameter Unit			C		SU		mS/cm		mg/L		mV		NTU		mL/min	ft	mL	none
Stability			± 3%		± 0.1		± 3%		± 10% or <0.5		± 10		± 10% or <10					
sys_loc_code	measurement_date	Measurement_time	READ	CHANGE	READ	CHANGE	READ	CHANGE	READ	CHANGE	READ	CHANGE	READ	CHANGE	READ	READ	READ	READ
ES-15	5/21/20 10:11	10:11:00	26.4		7.04		7.389		5.23		463.1		2.7		300	56.55	900	None/None
ES-15	5/21/20 10:14	10:14:00	25.9	-2%	7.03	0.0	9.690	31%	7.32	40%	435.3	28	4.6	70%	160	56.68	1380	None/None
ES-15	5/21/20 10:17	10:17:00	26.4	2%	7.03	0.0	9.871	2%	7.20	-2%	418.1	17	11.2	143%	80	56.75	1460	None/None
ES-15	5/21/20 10:18	10:18:00	26.8	2%	7.03	0.0	9.946	1%	7.08	-2%	410.6	8	16.8	50%	80	56.85	1540	None/None
ES-15	5/21/20 10:19	10:19:00	26.9	0%	7.03	0.0	9.969	0%	7.29	3%	407.4	3	21.5	28%	80	56.89	1620	None/None

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5-25-20 22	Well ID: ES-16
Field Sampler(s): Ron Phillips				
Transducer Removal Time: NA		Transducer Redeployment Time: NA		General Well Condition: Good,
Depth to Water (ft): 52.34		Screened Interval Top (ft): 80		Pump Intake Depth (ft): 90
Well Depth (ft): 100.0		Screened/Open Interval Bottom (ft): 100		Well Diameter (in): 4
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE		GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP ✓
N Dedicated Tubing Present? (Y/N)		Y New Dedicated Tubing Placed? (Y/N)		
Purge Start Time: 0715				

Time	Temp. (°C) READ	Temp. (°C) CHANGE*	pH (pH Units) READ	pH (pH Units) CHANGE*	Conductivity (mS/cm) READ	Conductivity (mS/cm) CHANGE*	DO (mg/L) READ	DO (mg/L) CHANGE*	ORP (mV) READ	ORP (mV) CHANGE*	Turbidity (NTU) READ	Turbidity (NTU) CHANGE*	Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
0720	25.1		7.27		21.203		3.19		180.3		24.3		144	52.37		clear/NO
0725	25.3		7.46		22.390		1.23		96.1		80.4		144	52.52		
0728	25.5		7.47		22.347		0.75		76.6		131.9		50	53.61		
0732	26.6		7.48		22.381		0.91		71.0		27.3		25	53.65		
0735	27.0		7.48		22.424		0.96		72.8		39.3		12	53.67		
0740	27.4		7.48		22.370		0.98		73.4		38.7		12	53.70		
0743	27.7		7.48		22.402		1.00		76.3		25.4		12	53.71		
0746	28.1		7.47		22.400		1.10		80.7		30.4		12	53.74		
0751	28.5		7.47		22.392		1.23		84.5		36.1		~6	53.74		
0756	28.6		7.47		22.443		1.48		89.0		4.4		6	53.76		
0759	28.7		7.47		22.449		1.50		91.3		3.8		6	53.77		
0802	28.8	<1%	7.47	No change	22.448	<1%	1.47	2%	95.0	6 mV	3.7	All <10 NTU	6	53.77	2L	↓

Stop Purge Time: 0803	Sample Time: 0805	QA/QC Sample Time(s): NA
	Sample ID: ES-16-20200522	QA/QC Sample ID(s): NA

Observations/Comments: Final pump settings (beginning at 7:50) & Refill 55 seconds, Discharge 5 seconds, pressure 47 psi

Bottle Set Summary

	3x VOA w/HCl	1	125 mL Plastic sterile		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
1	125 mL w/EDA		250 mL Plastic		250 mL w/H_2SO_4		250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5-22-20	Well ID: ES-17
Field Sampler(s): Ron Phillips				
Transducer Removal Time: NA		Transducer Redeployment Time: NA		General Well Condition: Good
Depth to Water (ft): 48.19		Screened Interval Top (ft): 80		Pump Intake Depth (ft): 90
Well Depth (ft): 100		Screened/Open Interval Bottom (ft): 100		Well Diameter (in): 4
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE		GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP ✓
N Dedicated Tubing Present? (Y/N)		Y New Dedicated Tubing Placed? (Y/N)		
Purge Start Time: 10:08				

Time	Temp. (°C) READ	Temp. (°C) CHANGE*	pH (pH Units) READ	pH (pH Units) CHANGE*	Conductivity (mS/cm) READ	Conductivity (mS/cm) CHANGE*	DO (mg/L) READ	DO (mg/L) CHANGE*	ORP (mV) READ	ORP (mV) CHANGE*	Turbidity (NTU) READ	Turbidity (NTU) CHANGE*	Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
1012	31		7.57		22.371		6.96		142.4	+	13.4		30	48.30		Clear/ND
1017	31.7		7.38		22.337		5.06		155.7		8.3		30	48.35		
1021	31.6		7.32		23.002		3.75		147.9		6.2		30	48.40		
1025	31.1		7.34		23.469		3.22		64.5		7.7		23	48.47		
1030	31.2		7.40		24.320		2.37		27.3		9.1		12	48.50		
1035	32.2		7.41		24.500		2.51		32.8		5.0		9	48.52		
1039	32.4		7.41		24.486		2.47		32.7		5.8		7	48.52		
1043	32.9	2%	7.41	No Change	24.523	<1%	2.47	1.6%	31.0	1.8 mV	5.3	All <10 NTU	7	48.52	3/4	

Stop Purge Time: 10:44

Sample Time: 10:46

Sample ID: ES-17-20200522

QA/QC Sample Time(s): NA

QA/QC Sample ID(s): NA

Observations/Comments Final pump settings (10:35 & later): 55 sec refill, 5 sec discharge, 50 PSI

Bottle Set Summary

	3x VOA w/HCl	1	125 mL Plastic sterile		500 mL Plastic		500 mL w/H2SO4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4	
1	125 mL w/EDA		250 mL Plastic		250 mL w/H_2SO_4		250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass	

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

Page ___ of ___

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/22/20	Well ID: ES-18
Field Sampler(s): Bchlun				
Transducer Removal Time: —		Transducer Redeployment Time: —		General Well Condition: good
Depth to Water (ft): 38.71		Screened Interval Top (ft): 90		Pump Intake Depth (ft): 99
Well Depth (ft): 109.20		Screened/Open Interval Bottom (ft): 110		Well Diameter (in): 4
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE		GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP
N Dedicated Tubing Present? (Y/N)		Y New Dedicated Tubing Placed? (Y/N)		
Purge Start Time: 840				

Time	Temp. (°C)		pH (pH Units)		Conductivity (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*				
844	28.077		6.81		3.955		5.12		462.3		11.35		100	38.89		clear/N
847	26.983		6.94		8.514		2.99		391.3		26.86		100	38.89		clear/N
850	27.047		7.08		8.664		2.59		340.0		26.72		100	38.89		clear/N
853	27.094		7.21		8.582		2.30		281.7		27.86		100	38.89		clear/N
856	27.165		7.27		8.565		2.27		257.1		27.78		100	38.89		clear/N
859	27.139	<1%	7.29	0.05	8.571	<1%	2.20	3%	251.1	7.9	28.30	6%	100	38.89		clear/N
902	27.234		7.32		8.558		2.22		249.2		29.46		100	38.89		clear/N
															2.2L	

Stop Purge Time: 903	Sample Time: 905	QA/QC Sample Time(s): —
	Sample ID: ES-18-20200522	QA/QC Sample ID(s): —

Observations/Comments

Bottle Set Summary

	3x VOA w/HCl	1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4	
1	125 mL w/EDA		250 mL Plastic		250 mL w/H_2SO_4		250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass	

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:

± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

Page ___of___

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/22	Well ID: ES-19
Field Sampler(s): A. Morgan				
Transducer Removal Time: NA		Transducer Redeployment Time: NA		General Well Condition: good
Depth to Water (ft): 62.67		Screened Interval Top (ft): 157		Pump Intake Depth (ft): 162.3
Well Depth (ft): 167.75		Screened/Open Interval Bottom (ft): 177		Well Diameter (in): 4
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE		GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP
N Dedicated Tubing Present? (Y/N)		Y New Dedicated Tubing Placed? (Y/N)		
Purge Start Time: 0729				

Time	Temp. (°C)		pH (pH Units)		Conductivity (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*				
0734	–		–		–		–		–		–		<10	62.31	0.2	none/none
0739	–		–		–		–		–		–		40	62.50	0.4	" "
0744	29.7		7.27		1.559		5.38		203.0		19.3		50	62.56	0.65	" "
0749	28.3		7.34		3.246		3.45		203.6		19.9		50	62.68	0.9	" "
0754	27.7		7.44		3.196		2.95		203.2		17.1		50	62.75	1.15	" "
0757	27.4		7.46		3.172		2.55		198.2		17.3		50	62.80	1.30	" "
0800	27.5		7.47		–		–		–		–		–	62.81	1.30	–
Issue w/ compressor, pause purge to trouble shoot, flow inconsistent (possibly due to depth) switch to MP50 controller/compressor, resume purge @ 0822																
0825	28.1		7.48		3.202		2.42		177.1		11.1		80	62.82	1.54	
0830	28.0		7.46		3.213		2.30		162.1		17.1		70	62.89	1.89	
0835	28.2		7.49		3.221		2.02		145.1		19.0		60	62.95	2.19	
0838	28.2		7.49		3.223		1.95		140.0		18.5		60	63.00	2.37	
0842	28.3		7.49		3.230		1.69		115.2		19.0		60	63.03	2.67	

Stop Purge Time: 0843	Sample Time: 0845	QA/QC Sample Time(s): 0900
	Sample ID: ES-19-20200522	QA/QC Sample ID(s): ES-19-20200522-FB21

Observations/Comments unable to stabalize drawdown < 0.3 ft. At least 1 system volume purged prior to sampling. System volume calculated to be 2.43 L

Bottle Set Summary

	3x VOA w/HCl	2	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4	500 mL poly w/HNO_3	250 mL Amber Glass w/H_2SO_4
2	125 mL w/EDA		250 mL Plastic		250 mL w/H_2SO_4		250 mL poly w/HNO_3	250 mL Amber Glass w/H_3PO_4	500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/18/20	Well ID: ES-20
Field Sampler(s): Dylan Rav.3				
Transducer Removal Time: N/A	Transducer Redeployment Time: N/A		General Well Condition: Good	
Depth to Water (ft): 62.18	Screened Interval Top (ft): 91		Pump Intake Depth (ft): 96'	
Well Depth (ft): 114.0	Screened/Open Interval Bottom (ft): 111		Well Diameter (in): 4"	
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE	GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP	
___ Dedicated Tubing Present? (Y/N)	X New Dedicated Tubing Placed? (Y/N)			
Purge Start Time: ~~0944~~ 0942				

Time	Temp. (°C)		pH (pH Units)		Conductivity (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Purge Rate (mL/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*				
0948	27.9		7.86		2.480		7.23		175.4		6.1		50mL	61.90	0.05	clear/sand
0951	26.9		7.77		2.426		7.11		182.8		9.5		50mL	62.08	0.25	
0954	26.7		7.75		2.417		7.04		186.3		13.2		50mL	62.28	0.45	
0957	26.3		7.74		2.399		6.82		191.7		13.8		50mL	62.32	0.65	
1000	26.8		7.73		2.416		6.43		201.3		14.5		50mL	62.38	0.85	
1003	26.8		7.72		2.420		6.40		201.9		13.0		50mL	62.42	1.05	
1006	26.9		7.72		2.425		6.38		203.0		14.2		50mL	62.46	1.25	
1009	27.0		7.72		2.430		6.37		204.1		15.8		50mL	62.50	1.45	
1012	27.0		7.72		2.433		6.36		204.8		14.3		50mL	62.58	1.65	

Stop Purge Time: 1012	Sample Time: 1015	QA/QC Sample Time(s): —	
	Sample ID: ES-20200200518	QA/QC Sample ID(s): —	

Observations/Comments 6 min purge water to set to flow cell. Cannot keep drawdown under 0.3ft. at 50mL/min. Purge one system volume then sample. 200 psi 10 sec discharge/5 sec fill

Bottle Set Summary

	3x VOA w/HCl	1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
1	125 mL w/EDA	~~1~~	250 mL Plastic		250 mL w/H_2SO_4		250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/19/20	Well ID: ES-21A
Field Sampler(s): J. Masters				
Transducer Removal Time: N/a		Transducer Redeployment Time: N/a		General Well Condition: Good
Depth to Water (ft): 29.71		Screened Interval Top (ft): 30		Pump Intake Depth (ft): 40
Well Depth (ft): 52		Screened/Open Interval Bottom (ft): 90		Well Diameter (in): 4
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE		GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP
N Dedicated Tubing Prasent? (Y/N)		Y New Dedicated Tubing Placed? (Y/N)		
Purge Start Time: ~~1032~~ 1232				

Time	Temp. (°C)		pH (pH Units)		Conductivity (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*				
1235 ~~1035~~	25.2		7.62		5.982		7.21		121.9		1.83		210	29.73	.63	clear/none
1238 1038	25.1		7.63		5.944		7.16		123.6		2.79		210	29.82	1.26	clear/none
1241 1041	25.0		7.64		5.938		7.14		125.2		3.84		210	29.87	1.89	clear/none
1244 1044	25.0		7.65		5.930		7.13		127.0		4.03		210	29.90	2.52	clear/none
1247 1047	25.0	0	7.65	0.01	5.930	0.1%	7.13	0.1%	128.3	3mV	3.78	<10NTU	210	29.94	3.15	clear/none

Stop Purge Time: ~~1048~~ 1248 PM

Sample Time: 1335

Sample ID: ES-21A-20200519

QA/QC Sample Time(s):

QA/QC Sample ID(s):

Observations/Comments

Bottle Set Summary

	3x VOA w/HCl		125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3	250 mL Amber Glass w/H_2SO_4
		1								
1	125 mL w/EDA		250 mL Plastic		250 mL w/H_2SO_4	1	250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4	500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRATECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/19/20	Well ID: ES - 21B
Field Sampler(s): J. Masters				
Transducer Removal Time: n/a	Transducer Redeployment Time: n/a		General Well Condition: Good	
Depth to Water (ft): 32.40	Screened Interval Top (ft): ~~60~~ 60		Pump Intake Depth (ft): ~~75~~ 70	
Well Depth (ft): 82	Screened/Open Interval Bottom (ft): ~~80~~ 80		Well Diameter (in): 4	
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE	GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP	
N Dedicated Tubing Present? (Y/N)	Y New Dedicated Tubing Placed? (Y/N)			
Purge Start Time: 1151				

Time	Temp. (°C)		pH (pH Units)		Conductivity (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Purge Rate (mL/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*				
1154	25.1		7.51		7.572		6.01		138.8		4.63		180	32.51	.54	clear/none
1157	25.3		7.51		7.604		5.98		135.5		5.01		180	32.51	1.08	clear/none
1200	25.3		7.52		7.593		5.89		136.9		5.60		180	32.51	1.62	clear/none
1203	25.2		7.52		7.598		5.83		138.5		6.79		180	32.51	2.16	clear/none
1206	25.2	0	7.52	0	7.599	0.1%	5.81	0.2%	138.9	2mV	6.92	<10nTU	180	32.51	2.70	clear/none

Stop Purge Time: 1208	Sample Time: 1210	QA/QC Sample Time(s): n/a	
	Sample ID: ES-21B-20200519	QA/QC Sample ID(s): n/a	

Observations/Comments

Bottle Set Summary

	3x VOA w/HCl		125 mL Plastic		500 mL Plastic		500 mL w/H2SO4		500 mL poly w/HNO3		250 mL Amber Glass w/H2SO4
(	125 mL w/EDA		250 mL Plastic		250 mL w/H2SO4	)	250 mL poly w/HNO3		250 mL Amber Glass w/H3PO4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/19/2020	Well ID: ES-22A
Field Sampler(s): James Roman				
Transducer Removal Time: N/A	Transducer Redeployment Time: N/A		General Well Condition: Good	
Depth to Water (ft): 41.21	Screened Interval Top (ft): 30		Pump Intake Depth (ft): 45.5	
Well Depth (ft): 49.70	Screened/Open Interval Bottom (ft): 50		Well Diameter (in): 4	
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE	GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP	
N Dedicated Tubing Present? (Y/N)	Y New Dedicated Tubing Placed? (Y/N)			
Purge Start Time: 1234				

Time	Temp. (°C) READ	Temp. (°C) CHANGE*	pH (pH Units) READ	pH (pH Units) CHANGE*	Conductivity (mS/cm) READ	Conductivity (mS/cm) CHANGE*	DO (mg/L) READ	DO (mg/L) CHANGE*	ORP (mV) READ	ORP (mV) CHANGE*	Turbidity (NTU) READ	Turbidity (NTU) CHANGE*	Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
1238	25.6		7.65		5.540		6.66		122.9		33		180	47.30		clear/none
1241	24.9		7.44		5.459		6.64		130.5		35.4		"	"		"
1244	24.8	10%	7.46	0.04	5.461	<1%	6.63	0.5%	135.6	8.7	36.9	5%	"	"		"
1247	24.6		7.45		5.450		6.61		139.2		35.1		"	"	2.5	

Stop Purge Time: 1248	Sample Time: 1250	QA/QC Sample Time(s): N/A
	Sample ID: ES-22A-20200519	QA/QC Sample ID(s): N/A

Observations/Comments

Bottle Set Summary

	3x VOA w/HCl	1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
1	125 mL w/EDA		250 mL Plastic		250 mL w/H_2SO_4	1	250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/19/2020	Well ID: ES-22B
Field Sampler(s): J. Roman				
Transducer Removal Time: N/A	Transducer Redeployment Time: N/A		General Well Condition: Good	
Depth to Water (ft): 42.59	Screened Interval Top (ft): 60		Pump Intake Depth (ft): 70	
Well Depth (ft): 79.7	Screened/Open Interval Bottom (ft): 80		Well Diameter (in): 4	
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE	GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP	
N Dedicated Tubing Present? (Y/N)	Y New Dedicated Tubing Placed? (Y/N)			
Purge Start Time: 1126				

Time	Temp. (°C)		pH (pH Units)		Conductivity (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*				
1128	24.9		7.71		6.669		7.91		134.7		3.0		180	42.80		clear/none
1131	24.9		7.70		6.622		7.92		138.8		3.1		"	43.05		"
1134	25.0	<2%	7.69	0.03	6.617	<3%	7.90	<10%	141.1	≤6mV	3.3	<10 NTU	"	43.30		"
1137	25.2		7.68		6.623		7.87		142.8		3.4		"	43.35	2.5	"

Stop Purge Time: 1139	Sample Time: 1140	QA/QC Sample Time(s): N/A
	Sample ID: ES-22B-20200519	QA/QC Sample ID(s): N/A

Observations/Comments

Bottle Set Summary

	3x VOA w/HCl	1	125 mL Plastic		500 mL Plastic		500 mL w/H2SO4		500 mL poly w/HNO3		250 mL Amber Glass w/H2SO4
1	125 mL w/EDA		250 mL Plastic		250 mL w/H2SO4	1	250 mL poly w/HNO3		250 mL Amber Glass w/H3PO4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/19/20	Well ID: ES-23A
Field Sampler(s): J. Masters				
Transducer Removal Time: n/a		Transducer Redeployment Time: n/a		General Well Condition: Good
Depth to Water (ft): 27.91		Screened Interval Top (ft): 30		Pump Intake Depth (ft): 40
Well Depth (ft): 51		Screened/Open Interval Bottom (ft): 50		Well Diameter (in): 4
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE		GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP
N Dedicated Tubing Present? (Y/N)		Y New Dedicated Tubing Placed? (Y/N)		
Purge Start Time: 1045				

Time	Temp. (°C)		pH (pH Units)		Conductivity (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*				
1048	24.5		7.46		5.412		7.65		189.3		2.22		90	28.05	.27	clear/none
1051	24.6		7.46		5.401		7.61		187.9		1.61		90	28.05	.54	clear/none
1054	24.5		7.46		5.403		7.62		185.8		1.62		90	28.05	.81	clear/none
1057	24.5		7.46		5.405		7.58		184.4		1.61		90	28.05	1.08	clear/none
1100	24.5	0	7.46	0	5.407	<1%	7.56	0.7%	184.1	1.7mV	1.60	<10NTU	90	28.05	1.35	clear/none

Stop Purge Time: 1102	Sample Time: 1105	QA/QC Sample Time(s): n/a	
	Sample ID: ES-23A-20200519	QA/QC Sample ID(s): n/a	

Observations/Comments

Bottle Set Summary

	3x VOA w/HCl	1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
1	125 mL w/EDA		250 mL Plastic		250 mL w/H_2SO_4	1	250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/19/20	Well ID: ES-23B
Field Sampler(s): J. Magtoc				
Transducer Removal Time: n/a		Transducer Redeployment Time: n/a		General Well Condition: Good
Depth to Water (ft): 33.98		Screened Interval Top (ft): 170		Pump Intake Depth (ft): 180
Well Depth (ft): 200		Screened/Open Interval Bottom (ft): 190		Well Diameter (in): 4
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE		GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP
N Dedicated Tubing Present? (Y/N)		Y New Dedicated Tubing Placed? (Y/N)		
Purge Start Time: 0923				

Time	Temp. (°C)		pH (pH Units)		Conductivity (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*				
0926	21.9		7.74		3.397		4.09		-62.5		2.52		80	34.05	.24	clear/none
0929	22.0		7.74		3.390		4.09		-61.3		2.41		80	34.05	.48	clear/none
0932	22.1		7.73		3.385		4.08		-60.2		2.35		80	34.05	.72	clear/none
0935	22.1		7.73		3.383		4.08		-59.1		2.21		80	34.05	.96	clear/none
0938	22.2	0	7.73	0	3.387	<1%	4.06	0.1	-59.0	<1mV	2.04	<10%	80	34.05	1.20	clear/none

Stop Purge Time: 0939	Sample Time: 0940	QA/QC Sample Time(s): n/a	
	Sample ID: ES-23B-20200519	QA/QC Sample ID(s): n/a	

Observations/Comments

Bottle Set Summary

	3x VOA w/HCl		125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
	125 mL w/EDA		250 mL Plastic		250 mL w/H_2SO_4		250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:

± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/19/2020	Well ID: ES-24
Field Sampler(s): J. Roman				
Transducer Removal Time: N/A		Transducer Redeployment Time: N/A		General Well Condition: Good
Depth to Water (ft): 23.93		Screened Interval Top (ft): 60		Pump Intake Depth (ft): 69.8
Well Depth (ft): 79.6 (Sfl Bottom)		Screened/Open Interval Bottom (ft): 80		Well Diameter (in): 4
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE		GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP
N Dedicated Tubing Present? (Y/N)		Y New Dedicated Tubing Placed? (Y/N)		
Purge Start Time: 0903				

Time	Temp. (°C)		pH (pH Units)		Conductivity (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*				
0912	23.0		7.34		22.39		1.10		164.3		4.0		200	24.3		Clear/None
0915	23.0		7.34		22.39		0.89		158.5		3.8		"	24.7		"
0918	23.1		7.34		22.39		0.83		155.1		3.9		"	25.0		"
0921	23.3		7.34		22.39		0.78		150.6		3.8		"	25.2		"
0924	23.2	≤1°C	7.35	≤0.01	22.41	<3%	0.79	<10%	144.2	<10 mV	3.6	<10 NTU	"	25.6		"
0927	23.3		7.35		22.39		0.71		140.8		3.5		"	25.8	5.2L	"

Stop Purge Time: ~~0930~~ 0927	Sample Time: 0928	QA/QC Sample Time(s): 0930	
	Sample ID: ES-24-20200519	QA/QC Sample ID(s): ES-24-20200519-FD20	

Observations/Comments

Well cap difficult to remove - pressure relief once opened; Access Needed between 2 houses on community driveway to temporarily remove 2 barricade poles

Bottle Set Summary

	3x VOA w/HCl	2	125 mL Plastic		500 mL Plastic		500 mL w/H2SO4		500 mL poly w/HNO3		250 mL Amber Glass w/H2SO4
2	125 mL w/EDA		250 mL Plastic		250 mL w/H2SO4	2	250 mL poly w/HNO3		250 mL Amber Glass w/H3PO4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/22/2020	Well ID: ES-25A
Field Sampler(s): James Roman				
Transducer Removal Time: N/A	Transducer Redeployment Time: N/A		General Well Condition: Good	
Depth to Water (ft): 14.95	Screened Interval Top (ft): 30		Pump Intake Depth (ft): 40	
Well Depth (ft): 53.10 (Hard Bottom)	Screened/Open Interval Bottom (ft): 50		Well Diameter (in): 4	
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE	GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP	
N Dedicated Tubing Present? (Y/N)	Y New Dedicated Tubing Placed? (Y/N)			
Purge Start Time: 0744				

Time	Temp. (°C)		pH (pH Units)		Conductivity (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*				
0749	22.8		7.63		36.013		1.06		53.4		6.99		300	15.60		clear/none
0752	22.8		7.57		35.935		0.97		33.8		47.0		"	15.69		"
0755	22.8	≤1%	7.55	≤0.01	36.000	<3%	0.80	<10%	26.0	<10mV	51.8	<10%	"	15.72		"
0758	22.9		7.54		36.130		0.77		21.0		54.2		"	15.75		"
0801	23.0		7.54		36.122		0.75		18.8		56.2		"	15.79	4.5	"

Stop Purge Time: 0802	Sample Time: 0805	QA/QC Sample Time(s): N/A
	Sample ID: ES-25A-20200522	QA/QC Sample ID(s): N/A

Observations/Comments

Bottle Set Summary

	3x VOA w/HCl	1	125 mL Plastic		500 mL Plastic		500 mL w/H2SO4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
1	125 mL w/EDA		250 mL Plastic		250 mL w/H_2SO_4	1	250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN **3 CONSECUTIVE READINGS** ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/22/2020	Well ID: ES-25B
Field Sampler(s): J. Roman				
Transducer Removal Time: N/A		Transducer Redeployment Time: N/A		General Well Condition: Good
Depth to Water (ft): 21.2		Screened Interval Top (ft): 60		Pump Intake Depth (ft): ~~69~~ 70
Well Depth (ft): 82.8 (soft bottom)		Screened/Open Interval Bottom (ft): 80		Well Diameter (in): 4
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE		GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP
N Dedicated Tubing Present? (Y/N)		Y New Dedicated Tubing Placed? (Y/N)		
Purge Start Time: 0843				

Time	Temp. (°C) READ	Temp. (°C) CHANGE*	pH (pH Units) READ	pH (pH Units) CHANGE*	Conductivity (mS/cm) READ	Conductivity (mS/cm) CHANGE*	DO (mg/L) READ	DO (mg/L) CHANGE*	ORP (mV) READ	ORP (mV) CHANGE*	Turbidity (NTU) READ	Turbidity (NTU) CHANGE*	Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
0850	24.0		7.54		59.864		1.02		-71.9		12.10		250	21.9		clear/mildly rancid
0855	24.5		7.54		60.244		0.89		-76.8		30.20		"	22.1		clear/mildly rancid
0900	24.8		7.54		60.520		0.78		-77.5		41.34		"	22.3		"
0905	25.4		7.54		60.950		0.74		-77.9		70.0		100	22.6		"
0910	25.4		7.55		61.000		0.76		-76.7		88.4		"	22.8		"
0914	24.9	<3%	7.55	≤0.1	60.200	<3%	0.73	<10%	-76.6	≤0.5%	92.9	<10%	250	23.1		"
0917	24.8		7.56		60.8		0.71		-76.4		95.0		"	23.5	7L	"

Stop Purge Time: 0918	Sample Time: 0920	QA/QC Sample Time(s): 0925
	Sample ID: ES-25B-20200522	QA/QC Sample ID(s): ES-25B-20200522-FB20

Observations/Comments: Drawdown cannot be maintained <0.3ft, even at lowest purge rate. Will collect sample once one (1) system volume is purged. V_{pump} = 80mL V_{tubing} = 70ft · (10 mL/ft tubing) = 700mL ⇒ V_{system} = 780mL Stabilization criteria also met

Bottle Set Summary

	3x VOA w/HCl	2	125 mL Plastic		500 mL Plastic		500 mL w/H2SO4		500 mL poly w/HNO3		250 mL Amber Glass w/H2SO4
2	125 mL w/EDA		250 mL Plastic		250 mL w/H2SO4	2	250 mL poly w/HNO3		250 mL Amber Glass w/H3PO4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/21/20	Well ID: ES-26
Field Sampler(s): BChhun, J Masters				
Transducer Removal Time: —	Transducer Redeployment Time: —		General Well Condition: good	
Depth to Water (ft): 17.71	Screened Interval Top (ft): 60		Pump Intake Depth (ft): 70	
Well Depth (ft): 80.05	Screened/Open Interval Bottom (ft): 80		Well Diameter (in): 4	
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE	GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP	
N Dedicated Tubing Present? (Y/N)	Y New Dedicated Tubing Placed? (Y/N)			
Purge Start Time: ~~1558~~ 1558				

Time	Temp. (°C) READ	Temp. (°C) CHANGE*	pH (pH Units) READ	pH (pH Units) CHANGE*	Conductivity (mS/cm) READ	Conductivity (mS/cm) CHANGE*	DO (mg/L) READ	DO (mg/L) CHANGE*	ORP (mV) READ	ORP (mV) CHANGE*	Turbidity (NTU) READ	Turbidity (NTU) CHANGE*	Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
1600	26.2		7.67		6.870		5.71		156.2		10.74		300	17.86		clear/N
1603	25.9		7.58		6.833		5.05		159.1		10.86		180	17.86		clear/N
1606	26.2		7.58		6.709		4.97		160.7		9.61		120	17.91		clear/N
1609	26.5		7.59		6.904		4.97		161.1		9.33		120	17.96		clear/N
1612	26.4	<1%	7.59	0	6.896	<1%	4.93	1%	161.8	1.1	8.95	<10	120	17.98		clear/N
1615	26.3		7.59		6.888		4.92		162.2		9.21		120	17.98		clear/N

Stop Purge Time: 1616	Sample Time: 1618	QA/QC Sample Time(s): —
	Sample ID: ES-26-20200521	QA/QC Sample ID(s): —

Observations/Comments

Bottle Set Summary

	3x VOA w/HCl	1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
1	125 mL w/EDA		250 mL Plastic		250 mL w/H_2SO_4	1	250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/21/20	Well ID: ES-27
Field Sampler(s): Orbeff				
Transducer Removal Time: N/A		Transducer Redeployment Time: N/A		General Well Condition: GOOD
Depth to Water (ft): 45.42		Screened Interval Top (ft): 60		Pump Intake Depth (ft): 70
Well Depth (ft): 83.05		Screened/Open Interval Bottom (ft): 80		Well Diameter (in): 4
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE		GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP
N Dedicated Tubing Present? (Y/N)		Y New Dedicated Tubing Placed? (Y/N)		
Purge Start Time: 1554				

Time	Temp. (°C)		pH (pH Units)		Conductivity (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*				
1557														45.45		N/N
1600	31.4		7.78		3.255		5.86		113.8		1.65			45.53		N/N
1605	30.7		7.106		3.231		5.21		129.3		1.80		90	45.54	0.99	N/N
1610	30.3		7.69		3.224		4.96		137.4		2.18		80	45.63	1.39	N/N
1615	28.7		7.63		3.228		4.79		143.4		1.77		80	45.68	1.79	N/N
1618	28.8	5.6%	7.63		3.227		4.74	4.1%	145.0		2.06		80	45.73	2.03	N/N
1621	28.5	1%	7.63	0	3.228	0.03%	4.67	2.6%	145.7	2.3	2.07	<10	80	45.73	2.27	N/N

Stop Purge Time: 1622	Sample Time: 1625	QA/QC Sample Time(s): —	
	Sample ID: ES-27-20200521	QA/QC Sample ID(s): —	

Observations/Comments

Bottle Set Summary

	3x VOA w/HCl	1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
1	125 mL w/EDA		250 mL Plastic		250 mL w/H_2SO_4	1	250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5-18-20	Well ID: ES-28
Field Sampler(s): Ron Phillips				
Transducer Removal Time: NA	Transducer Redeployment Time: NA		General Well Condition: Good	
Depth to Water (ft): 63.76	Screened Interval Top (ft): 65		Pump Intake Depth (ft): 75	
Well Depth (ft): 87.91	Screened/Open Interval Bottom (ft): 85		Well Diameter (in): 4"	
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE	GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP ✓ Triple Rinse	
N Dedicated Tubing Present? (Y/N)	Y New Dedicated Tubing Placed? (Y/N)			
Purge Start Time: 1028				

Time	Temp. (°C) READ	Temp. (°C) CHANGE*	pH (pH Units) READ	pH (pH Units) CHANGE*	Conductivity (mS/cm) READ	Conductivity (mS/cm) CHANGE*	DO (mg/L) READ	DO (mg/L) CHANGE*	ORP (mV) READ	ORP (mV) CHANGE*	Turbidity (NTU) READ	Turbidity (NTU) CHANGE*	Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
1035 ~~04~~	29.6		7.42		5.850		7.35		163.3		83.2		210	63.52	5	sl. cloudy/NO
1039	27.8		7.39		5.834		7.39		177.9		75.9		210	63.52		
1044	27.8		7.42		5.827		~~7.42~~	7.38	188.2		59.6		240	63.52		
1048	27.4		7.42		5.823		7.39		193.3		59.8		300	63.57		
1052	27.1		7.42		5.813		7.38		198.8		49.7		300	63.56		
1055	27.2		7.42		5.803		7.37		201.8		43.5		300	63.56		
1100	27.5		7.42		5.806		7.44		204.9		37.3		300	63.55		clear
1103	27.4		7.42		5.807		7.44		206.6		35.4		300	63.56		
1106	27.5		7.42		5.797		7.43		208.4		31.3		300	63.57		
1111	27.4		7.41		5.787		7.41		211.5		28.5		300	63.57		
1114	27.2		7.41		5.775		7.42		212.9		24.8		300	63.56	10	
1117	27.4		7.41		5.769		7.41		214.3		25.0		300	63.56		
1120	27.5	1.1%	7.41	No change	5.770	<1%	7.42	<1%	215.8	2.9 mV	24.8	<1%	300	63.57	12	

Stop Purge Time: 1121	Sample Time: 1125	QA/QC Sample Time(s): NA	
	Sample ID: ES-28-20200518	QA/QC Sample ID(s): NA	

Observations/Comments: Pump settings 14 s Refill, 6 s discharge, 50 PSI. Then 12 s R @ 8 = D @ 10:43 Then 10 s R @ 10 s D @ 10:47

Bottle Set Summary

	3x VOA w/HCl	1	125 mL Plastic sterile		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4	
1	125 mL w/EDA		250 mL Plastic		250 mL w/H_2SO_4		250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass	

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/18/2020	Well ID: ES-30
Field Sampler(s): J. Roman				
Transducer Removal Time: N/A	Transducer Redeployment Time: N/A		General Well Condition: Good	
Depth to Water (ft): 53.43	Screened Interval Top (ft): 73		Pump Intake Depth (ft): 83	
Well Depth (ft): 96.0 (Soft Bottom)	Screened/Open Interval Bottom (ft): 93		Well Diameter (in): 4	
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE	GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP	
N Dedicated Tubing Present? (Y/N)	Y New Dedicated Tubing Placed? (Y/N)			
Purge Start Time: 1400				

Time	Temp. (°C) READ	Temp. (°C) CHANGE*	pH (pH Units) READ	pH (pH Units) CHANGE*	Conductivity (mS/cm) READ	Conductivity (mS/cm) CHANGE*	DO (mg/L) READ	DO (mg/L) CHANGE*	ORP (mV) READ	ORP (mV) CHANGE*	Turbidity (NTU) READ	Turbidity (NTU) CHANGE*	Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
1410	31.5		7.30		12.36		3.35		102.2		9.3		175	53.70		clear/slight
1413	31.9	<3%	7.29	0.01	12.27	<3%	3.26	<10%	106.5	4.3	10.0	≤10	"	53.75		"
1416	30.7		7.30		12.28		3.36		108.5		9.7		"	"	3	"

Stop Purge Time: 1421 | Sample Time: 1420 | QA/QC Sample Time(s): N/A

Sample ID: ES-30-20200518 | QA/QC Sample ID(s): N/A

Observations/Comments

Bottle Set Summary

	3x VOA w/HCl	1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4	
1	125 mL w/EDA		250 mL Plastic		250 mL w/H_2SO_4		250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass	

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:

± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/18/20	Well ID: ES-31
Field Sampler(s): J. Masters				
Transducer Removal Time: N/a	Transducer Redeployment Time: N/a		General Well Condition: Good	
Depth to Water (ft): 43.27	Screened Interval Top (ft): 55		Pump Intake Depth (ft): 65	
Well Depth (ft): 75	Screened/Open Interval Bottom (ft): ~~57~~ 75		Well Diameter (in):	
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE	GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP	
N Dedicated Tubing Present? (Y/N)	Y New Dedicated Tubing Placed? (Y/N)			
Purge Start Time: 0737				

Time	Temp. (°C)		pH (pH Units)		Conductivity (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*				
0740	25.21		7.30		7.957		5.29		143.9		4.96		150	43.26	.45	clear/none
0743	25.2		7.30		7.930		5.07		151.3		4.52		150	43.26	.9	clear/none
0746	25.2		7.30		7.925		5.03		152.5		5.15		150	43.26	1.35	clear/none
0749	25.2		7.30		7.912		5.00		156.6		5.26		150	43.26	1.8	clear/none
0752	25.2	0	7.30	0	7.922	0.1%	4.95	1.5%	160.6	8.1mV	5.16	<10 NTU	150	43.26	2.25	clear/none

Stop Purge Time: 0754	Sample Time: 0755	QA/QC Sample Time(s): 0755	
	Sample ID: ES-31-20200518	QA/QC Sample ID(s): ES-31-20200518-FD23	

Observations/Comments

Bottle Set Summary

	3x VOA w/HCl	2	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
2	125 mL w/EDA	2	250 mL Plastic		250 mL w/H_2SO_4		250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5-19-20	Well ID: ES-32
Field Sampler(s): Ron Phillips				
Transducer Removal Time: NA		Transducer Redeployment Time: NA		General Well Condition: Good
Depth to Water (ft): 48.71 BTOC		Screened Interval Top (ft): 72 BGS		Pump Intake Depth (ft): 82 (BGS)
Well Depth (ft): 95.1 BTOC, ~93 BGS		Screened/Open Interval Bottom (ft): 92 BGS		Well Diameter (in): 4"
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE		GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP ✓ triple rinse
N Dedicated Tubing Present? (Y/N)		Y New Dedicated Tubing Placed? (Y/N)		
Purge Start Time: 10:49				

Time	Temp. (°C) READ	Temp. (°C) CHANGE*	pH (pH Units) READ	pH (pH Units) CHANGE*	Conductivity (mS/cm) READ	Conductivity (mS/cm) CHANGE*	DO (mg/L) READ	DO (mg/L) CHANGE*	ORP (mV) READ	ORP (mV) CHANGE*	Turbidity (NTU) READ	Turbidity (NTU) CHANGE*	Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
1055	25.8		7.44		9.176		4.32		172.4		14.0		85	48.68		Clear/NO
1100	25.1		7.49		6.753		3.30		171.9		11.1		120	48.71		
1104	24.7		7.48		6.290		2.79		173.8		10.0		60			
1108	25.2		7.46		6.145		2.56		176.1		11.3		60	49.02		
1111	25.2		7.45		6.122		2.43		178.0		4.1		40	49.08		
1115	25.2		7.44		6.117		2.32		179.4		3.3		19	49.09		
1120	25.4		7.44		6.106		2.30		180.0		3.5		19	49.08		
1125	25.7	2%	7.44	<10 change	6.105	<1%	2.35	2%	180.1	0.7 mV	3.7	All <10 NTU	19	49.08	1½	

Stop Purge Time: 1126	Sample Time: 1127	QA/QC Sample Time(s): NA	
	Sample ID: ES-32-20200519	QA/QC Sample ID(s): NA	

Observations/Comments Final Pump settings: 27 sec refill, 3 sec discharge, 49 psi

Bottle Set Summary

	3x VOA w/HCl		1	125 mL Plastic sterile		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
1	125 mL w/EDA			250 mL Plastic		250 mL w/H_2SO_4		250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/21/20	Well ID: ES-45
Field Sampler(s): J. Masters				
Transducer Removal Time: n/a		Transducer Redeployment Time: n/a		General Well Condition: Good
Depth to Water (ft): 16.82		Screened Interval Top (ft): 37.7		Pump Intake Depth (ft): 47.7
Well Depth (ft): 55		Screened/Open Interval Bottom (ft): 57.7		Well Diameter (in): 4
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE		GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP
Y Dedicated Tubing Present? (Y/N)		N New Dedicated Tubing Placed? (Y/N)		
Purge Start Time: 1022				

Time	Temp. (°C)		pH (pH Units)		Conductivity (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*				
1025	24.5		7.56		6.350		5.84		149.3		6.38		10	16.82	.18	clear/none
1028	24.9		7.56		6.456		5.79		149.4		6.23		60	16.82	.36	clear/none
1031	25.0		7.56		6.467		5.75		149.7		6.89		60	16.82	.54	clear/none
1034	25.0		7.56		6.465		5.72		150.0		6.12		60	16.82	.72	clear/none
1037	25.0	0	7.55	0.01	6.470	0.04%	5.69	1%	150.2	1mV	5.25	<10NTU	60	16.82	.9	clear/none

Stop Purge Time: 1038 Sample Time: 1040 QA/QC Sample Time(s): n/a

Sample ID: ES-45-20200521 QA/QC Sample ID(s): n/a

Observations/Comments

Bottle Set Summary

	3x VOA w/HCl	1	125 mL Plastic		500 mL Plastic		500 mL w/H2SO4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
1	125 mL w/EDA		250 mL Plastic		250 mL w/H_2SO_4	1	250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN **3 CONSECUTIVE READINGS** ARE WITHIN:

± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/21/2020	Well ID: ES-46
Field Sampler(s): James Roman				
Transducer Removal Time: N/A		Transducer Redeployment Time: N/A		General Well Condition: Good
Depth to Water (ft): 101.33		Screened Interval Top (ft): 177.51		Pump Intake Depth (ft): 187.51
Well Depth (ft): ~198 (very soft bottom)		Screened/Open Interval Bottom (ft): 197.51		Well Diameter (in): 4
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE		GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP
N Dedicated Tubing Present? (Y/N)		Y New Dedicated Tubing Placed? (Y/N)		
Purge Start Time: 1427				

Time	Temp. (°C)		pH (pH Units)		Conductivity (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*				
1447	34.5		7.54		87.430		3.19		9.0		9.9		100	101.45		Clear/None
1450	34.3		7.56		87.440		2.70		-9.2		9.7		"	101.52		"
1453	34.0	10%	7.56	0.01	86.969		2.46	10%	-11.5	2.3	9.9	<10	"	101.58		"
1456	33.9		7.57		86.334		2.42		-9.8		9.6		"	101.62	3.2	"

Stop Purge Time: 1459	Sample Time: 1500	QA/QC Sample Time(s): N/A	
	Sample ID: ES-46-20200521	QA/QC Sample ID(s): N/A	

Observations/Comments

Bottle Set Summary

	3x VOA w/HCl	1	125 mL Plastic		500 mL Plastic		500 mL w/H2SO4		500 mL poly w/HNO3		250 mL Amber Glass w/H2SO4
1	125 mL w/EDA		250 mL Plastic	1	250 mL w/H2SO4		250 mL poly w/HNO3		250 mL Amber Glass w/H3PO4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/21/2020	Well ID: ES-47
Field Sampler(s): JS Roman				
Transducer Removal Time: N/A		Transducer Redeployment Time: N/A		General Well Condition: Good
Depth to Water (ft): 25.50		Screened Interval Top (ft): 27.42		Pump Intake Depth (ft): 37.5
Well Depth (ft): 47.30 (Soft Bottom)		Screened/Open Interval Bottom (ft): 47.42		Well Diameter (in): 4
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE		GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP
Y Dedicated Tubing Present? (Y/N)		N New Dedicated Tubing Placed? (Y/N)		
Purge Start Time: 1045	1127			

Time	Temp. (°C) READ	Temp. (°C) CHANGE*	pH (pH Units) READ	pH (pH Units) CHANGE*	Conductivity (mS/cm) READ	Conductivity (mS/cm) CHANGE*	DO (mg/L) READ	DO (mg/L) CHANGE*	ORP (mV) READ	ORP (mV) CHANGE*	Turbidity (NTU) READ	Turbidity (NTU) CHANGE*	Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
1130	24.7		7.47		4.030		6.50		129.0		69.0		275	25.51		Brown/None
1133	24.7		7.44		4.024		6.48		134.9		65.2		"	"		"
1136	24.7		7.43		4.026		6.45		140.0		40.2		"	"		Clear/None
1139	24.7		7.43		4.027		6.44		145.7		20.8		"	"		"
1142	24.6		7.43		4.028		6.45		146.2		19.7		"	"		"
1145	24.7		7.43		4.032		6.42		147.8		9.9		"	"		"
1148	24.6	<1%	7.43	0	4.030	<1%	6.43	<1%	148.9	2.4	8.7	<10	"	"		"
1151	24.7		7.43		4.038		6.44		150.2		7.9		"	"	7.2	"

Stop Purge Time: 1153	Sample Time: 1155	QA/QC Sample Time(s): N/A
	Sample ID: ES-47-20200521	QA/QC Sample ID(s): N/A

Observations/Comments

No lock on stick-up vault

Bottle Set Summary

	3x VOA w/HCl	1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
1	125 mL w/EDA		250 mL Plastic		250 mL w/H_2SO_4		250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Burkers	Task No: H02	Date: 5/21/2020	Well ID: ES-48
Field Sampler(s): J. Roman				
Transducer Removal Time: N/A	Transducer Redeployment Time: N/A		General Well Condition: Good	
Depth to Water (ft): 25.23	Screened Interval Top (ft): 62.22		Pump Intake Depth (ft): 67.2	
Well Depth (ft): 73.0 (very soft bottom)	Screened/Open Interval Bottom (ft): 72.22		Well Diameter (in): 4	
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE	GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP	
Y Dedicated Tubing Present? (Y/N)	N New Dedicated Tubing Placed? (Y/N)			
Purge Start Time: 1230				

Time	Temp. (°C)		pH (pH Units)		Conductivity (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*				
1235	24.8		7.53		3.583		7.06		122.3		28.8		250	25.24		Clear/None
1238	24.8		7.49		3.588		7.05		127.5		26.8		250	"		"
1241	24.7	4%	7.47	0	3.578	<1%	7.06	<1%	131.9	6.9	25.7	10%	"	"		"
1244	24.7		7.47		3.574		7.04		136.9		23.9		"	"		"
1247	24.6		7.47		3.571		7.02		138.8		23.2		"	"	4.8	"

Stop Purge Time: 1244	Sample Time: 1250	QA/QC Sample Time(s): N/A
	Sample ID: ES-48-20200521	QA/QC Sample ID(s): N/A

Observations/Comments

Bottle Set Summary

	3x VOA w/HCl	1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4	
1	125 mL w/EDA		250 mL Plastic	1	250 mL w/H_2SO_4		250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass	

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRATECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/21/20	Well ID: ES-49
Field Sampler(s): Dylan Davis				
Transducer Removal Time: —	Transducer Redeployment Time: —		General Well Condition: Good	
Depth to Water (ft): 23.84	Screened Interval Top (ft): 117.62		Pump Intake Depth (ft): 123ft	
Well Depth (ft): 130	Screened/Open Interval Bottom (ft): 127.62		Well Diameter (in): 4in	
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE	GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP	
Y Dedicated Tubing Present? (Y/N)	N New Dedicated Tubing Placed? (Y/N)			
Purge Start Time: ~~1548~~ 1602				

Time	Temp (°C)		pH (pH Units)		Conductivity (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Purge Rate (mL/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*				
1603	33.2		7.87		2.293		4.08		90.0		6.2		60mL	23.84	0.15	clear/odorless
1606	32.6		7.63		1.830		2.98		100.0		5.5		50mL	24.01	0.30	clear/odorless
1609	30.8		7.67		1.574		2.22		101.1		5.7		50mL	24.03	0.45	clear/none
1612	30.2		7.63		1533		1.03		100.4		4.7		50mL	24.16	0.60	
1615	30.1		7.87		1.525		0.88		98.9		4.4		50mL	24.31	0.75	
1618	30.4		7.96		1.533		0.81		97.9		4.6		50mL	24.52	0.90	
1621	31.0		7.96		1.546		0.77		95.2		4.4		50mL	24.68	1.05	
1624	31.5	1.6%	8.03	0.11	1.564	1.1%	0.76	9.0%	94.1	1.4	4.5	L10	50mL	24.81	1.20	
1627	31.2	✓	8.07	✓	1.557	✓	0.76	✓	93.8	✓	4.4	✓	50mL	24.99	1.35	

Stop Purge Time: 1627	Sample Time: 1630	QA/QC Sample Time(s): —
	Sample ID: ES-49-20200521	QA/QC Sample ID(s): —

Observations/Comments: Cannot keep drawdown below 0.3ft and still pump water, purge 1 system volume

Bottle Set Summary

	3x VOA w/HCl		125 mL Plastic		500 mL Plastic		500 mL w/H2SO4		500 mL poly w/HNO3		250 mL Amber Glass w/H2SO4
1	125 mL w/EDA		250 mL Plastic	1	250 mL w/H2SO4		250 mL poly w/HNO3		250 mL Amber Glass w/H3PO4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/21/20	Well ID: ES-50
Field Sampler(s): J. Masters				
Transducer Removal Time: n/a		Transducer Redeployment Time: n/a		General Well Condition: Good
Depth to Water (ft): 22.11		Screened Interval Top (ft): 82.32		Pump Intake Depth (ft): 92.32
Well Depth (ft): 100		Screened/Open Interval Bottom (ft): 102.32		Well Diameter (in): 4
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE		GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP
Y Dedicated Tubing Present? (Y/N)		✓ New Dedicated Tubing Placed? (Y/N)		
Purge Start Time: 1102				

Time	Temp. (°C)		pH (pH Units)		Conductivity (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*				
1105	25.9		7.98		~~2.45~~ 1.199	1.203	2.42		181.1		1.99		150	22.11	.45	clear/none
1108	26.0		7.98				2.26		177.5		1.91		150	22.11	.9	clear/none
1111	26.0		7.97		1.198		2.06		172.0		1.93		150	22.11	1.35	clear/none
1114	26.0		7.97		1.198		1.99		169.4		1.88		150	22.11	1.8	clear/none
1117	25.0	0	7.97	0	1.198	0	1.96	5%	165.1	7mV ✓	1.72	<10NTU	150	22.11	2.25	clear/none

Stop Purge Time: 1118	Sample Time: 1120	QA/QC Sample Time(s): n/a	
	Sample ID: ES-50-20200521	QA/QC Sample ID(s): n/a	

Observations/Comments

Bottle Set Summary

	3x VOA w/HCl	1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
1	125 mL w/EDA		250 mL Plastic		250 mL w/H_2SO_4	1	250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN **3 CONSECUTIVE READINGS** ARE WITHIN:

± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/21/20	Well ID: ES-51
Field Sampler(s): J. Masters				
Transducer Removal Time: n/a		Transducer Redeployment Time: n/a		General Well Condition: Good
Depth to Water (ft): 17.82		Screened Interval Top (ft): 27.6		Pump Intake Depth (ft): 37.6
Well Depth (ft): 45		Screened/Open Interval Bottom (ft): 47.6		Well Diameter (in): 4
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE		GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP
Y Dedicated Tubing Present? (Y/N)		N New Dedicated Tubing Placed? (Y/N)		
Purge Start Time: 1205				

Time	Temp. (°C)		pH (pH Units)		Conductivity (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*				
1208	27.0		7.66		2.719		7.92		210.4		57.02		120	17.83	.36	clear/none
1211	27.3		7.65		2.748		7.79		205.7		34.51		120	17.83	.72	clear/none
1214	27.9		7.65		2.797		7.67		203.6		11.62		120	17.83	1.08	clear/none
1217	28.0		7.66		2.802		7.60		201.3		11.02		120	17.83	1.44	clear/none
1220	28.1	0.7%	7.66	0	2.812	0.5%	7.58	1%	200.8	3mV	10.82	7%	120	17.83	1.8	clear/none

Stop Purge Time: 1222	Sample Time: 1225	QA/QC Sample Time(s): n/a	
	Sample ID: ES-51-20200521	QA/QC Sample ID(s): n/a	

Observations/Comments

Bottle Set Summary

	3x VOA w/HCl		125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
	125 mL w/EDA		250 mL Plastic		250 mL w/H_2SO_4		250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/21/20	Well ID: ES-52
Field Sampler(s): J. Masters				
Transducer Removal Time: n/a	Transducer Redeployment Time: n/a		General Well Condition: Good	
Depth to Water (ft): 14.86	Screened Interval Top (ft): 71.26		Pump Intake Depth (ft): 81.26	
Well Depth (ft): 88.6	Screened/Open Interval Bottom (ft): 91.26		Well Diameter (in): 4	
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE	GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP	
Y Dedicated Tubing Present? (Y/N)	✓ New Dedicated Tubing Placed? (Y/N)			
Purge Start Time: 1244				

Time	Temp. (°C)		pH (pH Units)		Conductivity (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*				
1247	25.5		7.53		2.352		3.77		190.8		9.92		300	15.03	.9	clear/none
1250	25.4		7.54		2.346		3.57		138.4		9.65		300	15.03	1.8	clear/none
1253	25.5		7.54		2.348		3.60		137.1		9.82		300	15.03	2.7	clear/none
1256	25.5		7.54		2.349		3.58		135.1		9.35		300	15.03	3.6	clear/none
1259	25.5	0	7.54	0	2.348	0.04%	3.52	2%	131.0	6 mV	9.21	<10 NTU	300	15.03	4.5	clear/none

Stop Purge Time: 1252	Sample Time: 1255	QA/QC Sample Time(s): 1425	
	Sample ID: ES-52-20200521	QA/QC Sample ID(s): ES-52-20200521-EB20	

Observations/Comments

Bottle Set Summary

	3x VOA w/HCl		125 mL Plastic		500 mL Plastic		500 mL w/H2SO4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
	125 mL w/EDA		250 mL Plastic		250 mL w/H_2SO_4		250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN **3 CONSECUTIVE READINGS** ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Benkers	Task No: H02	Date: 5/11/20	Well ID: H-28A
Field Sampler(s): Dylan Davis				
Transducer Removal Time: NA		Transducer Redeployment Time: NA		General Well Condition: Good.
Depth to Water (ft): 38.15		Screened Interval Top (ft): 30.1		Pump Intake Depth (ft): 42.4
Well Depth (ft): 47.09ft 46.70ft		Screened/Open Interval Bottom (ft): 47.3		Well Diameter (in): 2
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE		GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP
Y Dedicated Tubing Present? (Y/N)		Y New Dedicated Tubing Placed? (Y/N)		
Purge Start Time: 1119				

Time	Temp. (°C)		pH (pH Units)		Conductivity (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*				
1120	32.8		6.87		16.758		2.51		15.3		26.7		280	38.18		Clear/no
1123	28.1		6.64		17.538		0.60		-6.9		96.6		280	38.18		
1126	27.7		6.63		17.440		0.45		-10.3		25.6		280	38.18		
1129	28.0		6.63		17.531		0.39		-13.5		15.2		280	38.18		
1132	27.8	<1.0%	6.63	0.0	17.449	<1.0%	0.37	<5	-16.7	3.7	14.6	6.0%	280	38.18		
1135	27.9	<1.0%	6.63	✓	17.489	✓	0.39	✓	-17.2	✓	14.3	✓	280	38.18	4.5 L	↓

Stop Purge Time: 1136 Sample Time: 1145 QA/QC Sample Time(s): NA

Sample ID: H-28A-20200511 QA/QC Sample ID(s): NA

Observations/Comments: No lock on protector or J-plug

Bottle Set Summary

2	3x VOA w/HCl		1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3	1	250 mL Amber Glass w/H_2SO_4
1	125 mL w/EDA		2	250 mL Plastic		250 mL w/H_2SO_4	2	250 mL poly w/HNO_3	1	250 mL Amber Glass w/H_3PO_4	1	500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/8/20	Well ID: H-56R
Field Sampler(s): J. Bunkers				
Transducer Removal Time: —		Transducer Redeployment Time: —		General Well Condition: Good
Depth to Water (ft): 17.99		Screened Interval Top (ft): 19		Pump Intake Depth (ft): 34
Well Depth (ft): 49.11		Screened/Open Interval Bottom (ft): 49		Well Diameter (in): 9.5
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE		GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP
Y Dedicated Tubing Present? (Y/N)		N New Dedicated Tubing Placed? (Y/N)		
Purge Start Time: 1237				

Time	Temp. (°C)		pH (pH Units)		Conductivity (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*				
1240	28.4		7.57		6.624		0.85		195.9		2.86		300	18.00		clear/none
1243	27.8		7.29		6.602		0.60		141.8		3.22		"	"		"
1246	27.8		7.26		6.607		0.49		144.7		4.08		"	"		"
1249	27.6	<1%	7.26	0	6.608	<1%	0.49	0	145.1	0.8	4.64	<10	"	"		"
1252	27.7		7.26		6.601		0.49		145.5		4.98		"	"	4.5	"

Stop Purge Time: 1253	Sample Time: 1300	QA/QC Sample Time(s): —	
	Sample ID: H-56R-20200508	QA/QC Sample ID(s): —	

Observations/Comments

Bottle Set Summary

2	3x VOA w/HCl	1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4	
1	125 mL w/EDA	1	250 mL Plastic		250 mL w/H_2SO_4	1	250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass	

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunters	Task No: H02	Date: 5/11/20	Well ID: H-58R
Field Sampler(s): J Bunters				
Transducer Removal Time: NA		Transducer Redeployment Time: NA		General Well Condition: Good
Depth to Water (ft): 27.86		Screened Interval Top (ft): 20		Pump Intake Depth (ft): 33.5
Well Depth (ft): 39.1		Screened/Open Interval Bottom (ft): 40		Well Diameter (in): 4.5
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE		GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP
Y Dedicated Tubing Present? (Y/N)		N New Dedicated Tubing Placed? (Y/N)		
Purge Start Time: 0828				

Time	Temp. (°C)		pH (pH Units)		Conductivity (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*				
0831	26.8		8.42		6.924		0.92		148.8		4.95		300	27.87		clear/none
0834	26.7		8.31		6.925		0.67		144.8		5.14		"	"		"
0837	26.8		8.28		6.927		0.53		142.8		5.16		"	"		"
0840	26.8	0	8.27	0.03	6.925	<1%	0.54	4%	142.6	0.3	5.05	<10	"	"		"
0843	26.8		8.25		6.929		0.52		142.5		6.19		"	"	4.5	"

Stop Purge Time: 0844	Sample Time: 0850	QA/QC Sample Time(s): —
	Sample ID: H-58R-20200511	QA/QC Sample ID(s): —

Observations/Comments

NA

Bottle Set Summary

2	3x VOA w/HCl	1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
1	125 mL w/EDA	1	250 mL Plastic		250 mL w/H_2SO_4	1	250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/6/20	Well ID: HM-2
Field Sampler(s): Dylan Davis				
Transducer Removal Time: N/A	Transducer Redeployment Time: N/A		General Well Condition: Fair. Top PVC section loose	
Depth to Water (ft): 28.10	Screened Interval Top (ft): N/A		Pump Intake Depth (ft): 32.20 ft	
Well Depth (ft): 36.23	Screened/Open Interval Bottom (ft): N/A		Well Diameter (in): 2	
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE	GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP	
Y Dedicated Tubing Present? (Y/N)	N New Dedicated Tubing Placed? (Y/N)			
Purge Start Time: 0726				

Time	Temp. (°C) READ	Temp. (°C) CHANGE*	pH (pH Units) READ	pH (pH Units) CHANGE*	Conductivity (mS/cm) READ	Conductivity (mS/cm) CHANGE*	DO (mg/L) READ	DO (mg/L) CHANGE*	ORP (mV) READ	ORP (mV) CHANGE*	Turbidity (NTU) READ	Turbidity (NTU) CHANGE*	Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
~~0727~~													~~Purge~~	28.25		
0727	23.7		6.98		6042		1.32		196		142.3		400	28.25	0.4	
0732	23.6		7.01		6.227		0.76		189.7		164.5		400	28.25	2.4	
0737	23.5		7.20		6.478		0.83		176.8		149.6		400	28.25	4.4	
0740	23.5		7.24		6.444		0.84		168.3		101.1		400	28.25	5.6	
0743	23.6		7.26		6.451		0.85		161.6		98.2		400	28.25	6.8	
0746	23.6	0%	7.27	<1.0%	6.454	<1%	0.84	1.19%	159.4	4.3%	89.7	9.47%	400	28.25	7.0	
0749	23.6		7.27		6.456		0.84		157.3		91.3		400	28.25	8.2	

Stop Purge Time: 0749	Sample Time: 0750	QA/QC Sample Time(s): N/A	
	Sample ID: HM-2-20200506	QA/QC Sample ID(s): N/A	

Observations/Comments: Top section of PVC is loose

Bottle Set Summary

	3x VOA w/HCl		125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4	
	125 mL w/EDA		250 mL Plastic		250 mL w/H_2SO_4		250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass	

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/8/20	Well ID: HMW-13
Field Sampler(s): Ron Phillips				
Transducer Removal Time: NA	Transducer Redeployment Time: NA		General Well Condition: Not well. Casing is broken ~3'	
Depth to Water (ft): 14.45	Screened Interval Top (ft): 12.4		Pump Intake Depth (ft): 21 below top of above ground vault	
Well Depth (ft): 26.5	Screened/Open Interval Bottom (ft): 27.4		Well Diameter (in): 2	
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE	GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP ✓	
Y / N Dedicated Tubing Present? (Y/N)	N New Dedicated Tubing Placed? (Y/N)			
Purge Start Time: 0 1 0				

Time	Temp. (°C) READ	Temp. (°C) CHANGE*	pH (pH Units) READ	pH (pH Units) CHANGE*	Conductivity (mS/cm) READ	Conductivity (mS/cm) CHANGE*	DO (mg/L) READ	DO (mg/L) CHANGE*	ORP (mV) READ	ORP (mV) CHANGE*	Turbidity (NTU) READ	Turbidity (NTU) CHANGE*	Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
1014	17.9		7.46		2.239		0.49		115.8		2.5		285	14.45		
1018	17.3		7.46		2.225		0.16		73.1		4.3			14.45		
1022	17.3		7.46		2.226		0.15		51.1		2.4			14.45		
1026	17.2		7.46		2.228		0.14		35.2		1.2			14.45		
1030	17.2		7.45		2.225		0.10		20.1		1.1			14.45		
1034	17.2		7.45		2.223		0.08		10.5		0.9			14.45		
1038	17.3		7.45		2.227		0.06		5.6		0.8			14.45		
1042	17.4	1.1%	7.45	NO: change	2.226	<1%	0.05	All <0.5 mg/L	4.1	6.4 mV	0.8	All <10 NTU	285	14.45	10	

Stop Purge Time: 1043 | Sample Time: 10:49 | Sample ID: HMW-13-20200508 | QA/QC Sample Time(s): NA | QA/QC Sample ID(s): NA

Observations/Comments

Pump settings: Refill 12 s, disch. 8 s, Pressure 25 psi

Bottle Set Summary

2 x	3x VOA w/HCl	1	125 mL Plastic sterile		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4	
1	125 mL w/EDA	1	250 mL Plastic		250 mL w/H_2SO_4	1	~~250 mL poly w/HNO_3~~		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass	

*INDICATOR PARAMETERS HAVE STABILIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5-8-14	Well ID: HMW-1A
Field Sampler(s): Ron Phillips				
Transducer Removal Time: NA		Transducer Redeployment Time: NA		General Well Condition: Missing strap cap or J-plug
Depth to Water (ft): 16.95		Screened Interval Top (ft): 16.3		Pump Intake Depth (ft): 26
Well Depth (ft): 40.8		Screened/Open Interval Bottom (ft): 35.2		Well Diameter (in): 2"
Pump/Tubing Type: QED Bladder Pump & TUPE/LDPE		GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP
Y Dedicated Tubing Present? (Y/N)		N New Dedicated Tubing Placed? (Y/N)		
Purge Start Time: 0905				

Time	Temp. (°C)		pH (pH Units)		Conductivity (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Purge Rate (mL/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*				
0910	19.7		7.32		3.743		0.22		178.5		166		300	16.95		Clear
0914	19.8		7.30		3.729		0.16		177.7		1.6			16.93		
0918	19.8		7.30		3.709		0.13		176.6		1.6			16.95		
0922	19.8		7.30		3.701		0.12		175.5		2.0			16.95		
0926	19.8	NO	7.30	NO	3.688	<1%	0.10	All	179.3	2.3 mV	2.0	All	300	16.95	6	CLEAR
		change		change				<0.5 mg/L				<10 NTU				

Stop Purge Time: 0927	Sample Time: 0932	QA/QC Sample Time(s): NA	
	Sample ID: HMW-1A-20200508	QA/QC Sample ID(s): NA	

Observations/Comments

Pump Settings 11s Refill, 9s discharge, 35 psi

Bottle Set Summary

2 x	3x VOA w/HCl	1	125 mL Plastic sterile		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
1	125 mL w/EDA	1	250 mL Plastic		250 mL w/H_2SO_4		~~250 mL poly w/HNO_3~~		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABILIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring | Task Manager: Jesse Bunkers | Task No: H02 | Date: 5-8-20 | Well ID: HMW-15

Field Sampler(s): Ron Phillips

Transducer Removal Time: NA | Transducer Redeployment Time: NA | General Well Condition: blk. No lock, in public area

Depth to Water (ft): 9.9 Double checked | Screened Interval Top (ft): 10.7 | Pump Intake Depth (ft): 17.4

Well Depth (ft): 28.65 | Screened/Open Interval Bottom (ft): 29.9 | Well Diameter (in): 2"

Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE | GW Disposal: GW-11 | Equipment Decon. Method: Alconox/DI Rinse SOP ✓

Y Dedicated Tubing Present? (Y/N) | N New Dedicated Tubing Placed? (Y/N)

Purge Start Time: 1137

Time	Temp. (°C) READ	Temp. (°C) CHANGE*	pH (pH Units) READ	pH (pH Units) CHANGE*	Conductivity (mS/cm) READ	Conductivity (mS/cm) CHANGE*	DO (mg/L) READ	DO (mg/L) CHANGE*	ORP (mV) READ	ORP (mV) CHANGE*	Turbidity (NTU) READ	Turbidity (NTU) CHANGE*	Purge Rate (mL/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
1144	16.4		7.35		2.776		0.70		59.2		674		285	9.93		
1148	16.2		7.32		2.787		0.14		60.2		3.8			9.95		
1153	16.3		7.33		2.793		0.11		59.5		4.4			9.94		
1157	16.2		7.33		2.795		0.09		59.7		5.0			9.95		
1201	16.2		7.33		2.789		0.08		56.9		5.5			9.95		
1205	16.3	<1%	7.33	No change	2.790	<1%	0.07	All <0.5 mg/L	59.8	2.9 mV	6.0	All <10 NTU	285	9.96	7½	

Stop Purge Time: 1206 | Sample Time: 12:10 | QA/QC Sample Time(s): NA

Sample ID: HMW-15-20200508 | QA/QC Sample ID(s): NA

Observations/Comments

Pump settings: Refill 12 sec, Discharge 85, Pressure ~ 25 psi.

Bottle Set Summary

2x	3x VOA w/HCl VOCs	1	125 mL Plastic perchlorate		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
1	125 mL w/EDA chlorate	1	250 mL Plastic Nitrate TDS		250 mL w/H_2SO_4		250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:

± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 8/7/20	Well ID: HMW-16
Field Sampler(s): A. Meagan				
Transducer Removal Time: NA		Transducer Redeployment Time: NA		General Well Condition: Good
Depth to Water (ft): 8.73		Screened Interval Top (ft): 6.7		Pump Intake Depth (ft): 15.3
Well Depth (ft): 25.62		Screened/Open Interval Bottom (ft): 21.8		Well Diameter (in): 2
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE		GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP
Y Dedicated Tubing Present? (Y/N)		N New Dedicated Tubing Placed? (Y/N)		
Purge Start Time: 0729				

Time	Temp. (°C) READ	Temp. (°C) CHANGE*	pH (pH Units) READ	pH (pH Units) CHANGE*	Conductivity (mS/cm) READ	Conductivity (mS/cm) CHANGE*	DO (mg/L) READ	DO (mg/L) CHANGE*	ORP (mV) READ	ORP (mV) CHANGE*	Turbidity (NTU) READ	Turbidity (NTU) CHANGE*	Purge Rate (mL/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
0730	24.1		6.87		7.067		1.3		56.3		21.3		180	8.89	0.18	none/none
0733	24.1		6.86	0.01%	7.063	0.04	1.0		57.1	45 mV	15.1		120	9.02	0.48	" "
0736	24.0	.41.	6.86		7.071		0.93		58.1		5.9		100	9.13	0.7	" "
															1.36L	
	DRAWDOWN DID NOT STABALIZE															

Stop Purge Time: 0737	Sample Time: 0740	QA/QC Sample Time(s):	
	Sample ID: HMW-16-20200507	QA/QC Sample ID(s):	

Observations/Comments: Well water level drawdown did not stabilize. No purge volume (system volume) purged prior to sample.

Bottle Set Summary

2	3x VOA w/HCl		1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
1	125 mL w/EDA		1	250 mL Plastic		250 mL w/H_2SO_4		250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

2038
2780

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Burkers	Task No: H02	Date: 5/21/20	Well ID: LVWPS-MW102A
Field Sampler(s): Dylan Davis				
Transducer Removal Time: —	Transducer Redeployment Time: —		General Well Condition: Good	
Depth to Water (ft): 9.65	Screened Interval Top (ft): 47		Pump Intake Depth (ft): 57 ft	
Well Depth (ft): 65 ft	Screened/Open Interval Bottom (ft): 67		Well Diameter (in): 2"	
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE	GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP	
N Dedicated Tubing Present? (Y/N)	Y New Dedicated Tubing Placed? (Y/N)			
Purge Start Time: 1053				

Time	Temp (°C) READ	Temp (°C) CHANGE*	pH (pH Units) READ	pH (pH Units) CHANGE*	Conductivity (mS/cm) READ	Conductivity (mS/cm) CHANGE*	DO (mg/L) READ	DO (mg/L) CHANGE*	ORP (mV) READ	ORP (mV) CHANGE*	Turbidity (NTU) READ	Turbidity (NTU) CHANGE*	Purge Rate (mL/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
1054	24.9		10.25		5.691		5.60		78.6		551.3		280	9.65	0.78	cloudy/gray
1057	23.7		8.44		12.810		1.98		93.4		580.9		280	9.68	1.12	cloud/gray
1100	23.5		7.88		13.183		1.08		87.3		673.2		280	9.70	1.46	cloudy/gray
1103	23.5		7.62		13.239		0.75		81.3		681.5		280	9.70	2.80	
1106	23.6		7.55		13.274		0.69		78.3		750.8		280	9.70	3.64	
1109	23.5		7.47		13.432		0.61		70.9		590.7		280	9.72	4.48	
1112	23.4		7.45		13.531		0.58		63.1		505.0		280	9.72	5.32	
1115	23.5		7.41		13.782		0.55		61.8		446.3		280	9.73	6.16	
1118 1120	23.5	\	7.39	\	13.686	\	0.53	\	58.7	\	442.1	\	280	9.73	7.00	
1121	23.5	0.0	7.39	0.01	13.699	<1.0%	0.50	10%	57.5	1.8	439.2	1%	280	9.74	7.84	
1124	23.5	✓	7.40	✓	13.701	✓	0.48	✓	56.9	✓	438.3	✓	280	9.74	8.68	

Stop Purge Time: 1124	Sample Time: 1130	QA/QC Sample Time(s): —	
	Sample ID: LVWPS-MW102A-20200521	QA/QC Sample ID(s): —	

Observations/Comments

Bottle Set Summary

	3x VOA w/HCl		125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
1	125 mL w/EDA	1	250 mL Plastic	1	250 mL w/H_2SO_4		250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/21/20	Well ID: LVWPS-MW102B
Field Sampler(s): Dylan Davis				
Transducer Removal Time: —	Transducer Redeployment Time: —		General Well Condition: Good - covered in dried dirt	
Depth to Water (ft): 4.81	Screened Interval Top (ft): 77		Pump Intake Depth (ft): 86 ft	
Well Depth (ft): 97'	Screened/Open Interval Bottom (ft): 96		Well Diameter (in): 2"	
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE	GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP	
Y Dedicated Tubing Present? (Y/N)	Y New Dedicated Tubing Placed? (Y/N)			
Purge Start Time: 0953 - 5 min to crack/fill flow cell				

Time	Temp. (°C) READ	Temp. (°C) CHANGE*	pH (pH Units) READ	pH (pH Units) CHANGE*	Conductivity (mS/cm) READ	Conductivity (mS/cm) CHANGE*	DO (mg/L) READ	DO (mg/L) CHANGE*	ORP (mV) READ	ORP (mV) CHANGE*	Turbidity (NTU) READ	Turbidity (NTU) CHANGE*	Purge Rate (mL/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
0958	24.1		7.02		45.769		3.32		-72.5		100.9		200	5.01	0.2	clear/slight odor
001	23.5		7.13		50.863		1.26		-150.5		285.9		50	4.95	2.15	cloudy/sediment/odor
1004	25.1		7.12		62.701		1.10		-169.2		765.8		50	4.92	2.30	cloudy/sediment/odor
1007	25.0		7.20		63.633		0.91		-179.4		255.1		50	4.92	2.45	
1010	24.7		7.25		63.799		0.78		-186.2		~~317~~	~~DO~~	50	4.92	2.60	
1013	24.6	N/A	7.24	0.01	63.801	<1.0%	0.80	2.56%	-192.6	7.1	342.1	2%	50	4.92	2.75	
1016	24.6	✓	7.24	✓	63.921	✓	0.79	✓	-193.3		347.8	✓	50	4.92	2.90	

4.0%

Stop Purge Time: 1016	Sample Time: 1020	QA/QC Sample Time(s): —	
	Sample ID: LVWPS-MW102B-20200521	QA/QC Sample ID(s): —	

Observations/Comments: 50mL as slow as possible w/o losing drawdown

Bottle Set Summary

	3x VOA w/HCl		125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
1	125 mL w/EDA	1	250 mL Plastic	1	250 mL w/H_2SO_4		250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/21/20	Well ID: LVWPS-MW105
Field Sampler(s): Dylan Davis				
Transducer Removal Time: —	Transducer Redeployment Time: —			General Well Condition: Good
Depth to Water (ft): 20.38	Screened Interval Top (ft): 16			Pump Intake Depth (ft): 21
Well Depth (ft): 27.80	Screened/Open Interval Bottom (ft): 26			Well Diameter (in): 2
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE	GW Disposal: GW-11			Equipment Decon. Method: Alconox/DI Rinse SOP
N Dedicated Tubing Present? (Y/N)	X New Dedicated Tubing Placed? (Y/N)			
Purge Start Time: 1242				

Time	Temp (°C)		pH (pH Units)		Conductivity (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Purge Rate (mL/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*				
1243	26.4		4.13		8.43		2.22		53.9		242.3		320	20.45	0.32	cloudy/colorless
1246	24.2		8.10		7.892		1.24		62.0		123.6		320	20.45	1.28	cloudy/no odor
1249	23.8		8.25		7.818		0.99		66.8		95.7		320	20.45	2.24	
1252	23.5		7.85		7.763		0.86		70.0		81.1		320		3.20	
1255	23.5		7.66		7.751		0.73		71.1		67.9		320		4.16	
1258	23.3		7.53		7.713		0.60		72.4		49.0		320		5.12	
1301	23.4		7.57		7.728		0.54		73.0		36.1		320		6.08	
1304	23.3		7.12		7.718		0.57		73.3		25.3		320		7.04	
1307	23.3	<1.0%	7.04	0.1	7.711	<1.0%	0.49	9.0%	73.4	1.7	21.6	10%	320		8.00	
1310	23.2		7.02		7.708		0.54		75.0		22.9		320		8.96	
~~1313~~																

Stop Purge Time: 1310

Sample Time: 1315

Sample ID: LVWPS-MW105-20200521

QA/QC Sample Time(s): 1315

QA/QC Sample ID(s): LVWPS-MW105-20200521-EB18

Observations/Comments

Bottle Set Summary

	3x VOA w/HCl	2	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4	
28	125 mL w/EDA	2	250 mL Plastic	2	250 mL w/H_2SO_4		250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass	

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:

± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

Page ___of___

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/19/20	Well ID: LVWPS-MW201A
Field Sampler(s): A. Morgan				
Transducer Removal Time: 1750		Transducer Redeployment Time: 0850		General Well Condition: good
Depth to Water (ft): 18.91		Screened Interval Top (ft): 28		Pump Intake Depth (ft):
Well Depth (ft): 47.90		Screened/Open Interval Bottom (ft): 48		Well Diameter (in): 4
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE		GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP
Y Dedicated Tubing Present? (Y/N)		N New Dedicated Tubing Placed? (Y/N)		
Purge Start Time: 0809				

Time	Temp. (°C) READ	Temp. (°C) CHANGE*	pH (pH Units) READ	pH (pH Units) CHANGE*	Conductivity (mS/cm) READ	Conductivity (mS/cm) CHANGE*	DO (mg/L) READ	DO (mg/L) CHANGE*	ORP (mV) READ	ORP (mV) CHANGE*	Turbidity (NTU) READ	Turbidity (NTU) CHANGE*	Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
~~0809~~	23.1		7.15		3.467		~~16.18~~	1.54	163.7		11.1		300	18.91	0.3	none/none
0814	23.1		7.12		3.715		1.20		154.9		1.9		300	18.91	1.8	" "
0819	23.2		7.16		3.746		0.83		137.6		0.1		300	18.91	3.3	" "
0822	23.2	1.1%	7.16	No change	3.743	1.1%	0.80	6.4%	134.5	5.6 mV	0.0	1.0 NTU	300	18.91	4.2	" "
0825	23.3		7.16		3.752		0.78		132.0		0.1		300	18.91	5.1	" "

Stop Purge Time: 0826	Sample Time: 0830	QA/QC Sample Time(s): NA
	Sample ID: LVWPS-MW201A-20200519	QA/QC Sample ID(s): NA

Observations/Comments

Bottle Set Summary

	3x VOA w/HCl	1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4	
1	125 mL w/EDA	1	250 mL Plastic		250 mL w/H_2SO_4	1	250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass	

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/19/20	Well ID: LVWPS - MW201B
Field Sampler(s):				
Transducer Removal Time: 0900		Transducer Redeployment Time: 1015		General Well Condition: good
Depth to Water (ft): 19.42		Screened Interval Top (ft): 60		Pump Intake Depth (ft): 70
Well Depth (ft): 79.20		Screened/Open Interval Bottom (ft): 80		Well Diameter (in):
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE		GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP
Y Dedicated Tubing Present? (Y/N)		N New Dedicated Tubing Placed? (Y/N)		
Purge Start Time: 0410				

Time	Temp. (°C)		pH (pH Units)		Conductivity (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Purge Rate (mL/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*				
0914	—		—		—		—		—		—		60	19.28	0.3	none/none
0917	27.2		7.88		9.291		3.21		134.3		22.6		60	19.61	0.48	" "
0920	25.5		7.77		11.519		2.81		150.0		70.5		60	19.85	0.66	" / none
0923	25.3		7.60		14.712		2.07		155.6		188.5		60	20.06	0.84	l. brown/none
0928	25.1	}	7.59		14.956		1.91		156.9		202.0		60	20.17	1.14	" "
0933	24.8	}	7.61		15.062		2.61		161.3		258.5		60	20.30	1.44	" "
0935	25.1		7.59		15.175		1.72		162.0		225.1		60	20.35	1.56	" "

Stop Purge Time: 0936	Sample Time: 0940	QA/QC Sample Time(s):
	Sample ID: LVWPS-MW201B-20200519	QA/QC Sample ID(s):

Observations/Comments: Unable to stabilize drawdown. 1 system volume purged prior to sampling. System volume calculated to be 1.5 L

Bottle Set Summary

	3x VOA w/HCl	1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
1	125 mL w/EDA	1	250 mL Plastic		250 mL w/H_2SO_4	1	250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/21/20	Well ID: LVWPS-MW224A
Field Sampler(s): J. Bunkers				
Transducer Removal Time: —	Transducer Redeployment Time: —		General Well Condition: Good	
Depth to Water (ft): 34.60	Screened Interval Top (ft): 55		Pump Intake Depth (ft): 65	
Well Depth (ft): 76	Screened/Open Interval Bottom (ft): 75		Well Diameter (in): 2	
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE	GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP	
Y Dedicated Tubing Present? (Y/N)	N New Dedicated Tubing Placed? (Y/N)			
Purge Start Time: ~~1010~~ 1040				

Time	Temp. (°C)		pH (pH Units)		Conductivity (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*				
1043	25.5		7.04		3.770		6.02		256.1		691.2		300	34.60		brown/none
1046	25.7		7.20		3.769		6.03		254.3		625.2		"	"		"
1049	25.6		7.52		3.772		6.01		244.7		270.1		"	"		"
1052	25.6		7.84		3.780		5.94		220.3		232.13		"	"		"
1055	25.6		7.73		3.797		5.91		207.9		150.43		"	"		"
1058	25.6		7.64		3.801		5.90		200.4		150.45		"	"		"
1101	25.6	0	7.57	0.07	3.805	<1%	5.89	<1%	197.2	5.1	152.33	1%	"	"		"
1104	25.6		7.57		3.807		5.88		195.3		149.25		"	"	7.8	"

Stop Purge Time: 1105	Sample Time: 1110	QA/QC Sample Time(s): —
	Sample ID: LVWPS-MW224A-20200521	QA/QC Sample ID(s): —

Observations/Comments

Bottle Set Summary

	3x VOA w/HCl	1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
1	125 mL w/EDA	1	250 mL Plastic		250 mL w/H_2SO_4	1	250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/21/20	Well ID: LVWPS-MW224B
Field Sampler(s): J. Bunkers				
Transducer Removal Time: —	Transducer Redeployment Time: —		General Well Condition: Good	
Depth to Water (ft): 36.27	Screened Interval Top (ft): 107		Pump Intake Depth (ft): 116.5	
Well Depth (ft): 128	Screened/Open Interval Bottom (ft): 126		Well Diameter (in): 2	
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE	GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP	
Y Dedicated Tubing Present? (Y/N)	N New Dedicated Tubing Placed? (Y/N)			
Purge Start Time: ~~1244~~ 1244 1310				

Time	Temp. (°C) READ	Temp. (°C) CHANGE*	pH (pH Units) READ	pH (pH Units) CHANGE*	Conductivity (mS/cm) READ	Conductivity (mS/cm) CHANGE*	DO (mg/L) READ	DO (mg/L) CHANGE*	ORP (mV) READ	ORP (mV) CHANGE*	Turbidity (NTU) READ	Turbidity (NTU) CHANGE*	Purge Rate (mL/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
~~1250~~	27.5		9.93		7.208		2.35		148.9		209.9	/	150	34.40		clear/none
1313																
1316	26.9		8.85		7.169		1.43		11.0		113.3	/	"	"		"
1319	27.1		7.58		7.166		1.22		4.7		56.0		"	"		"
1322	27.5		7.10		7.161		1.20		5.4		52.2		"	"		"
1325	27.7		7.00		7.176		1.16		6.1		36.2		"	"		"
1328	27.7	0	7.00	0	7.174	<1%	1.16	0	6.3	0.5	35.3	3%	"	"		"
1331	27.7		7.00		7.177		1.16		6.6		35.2		"	"	3.3	"

Stop Purge Time: 1332	Sample Time: 1335	QA/QC Sample Time(s): —
	Sample ID: LVWPS-MW224B-20200521	QA/QC Sample ID(s): —

Observations/Comments

Bottle Set Summary

	3x VOA w/HCl	1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4	
1	125 mL w/EDA	1	250 mL Plastic		250 mL w/H_2SO_4	1	250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass	

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/13/20	Well ID: M-2A
Field Sampler(s): BChhun				
Transducer Removal Time: NA		Transducer Redeployment Time: NA		General Well Condition: good
Depth to Water (ft): (41.07) 39.10		Screened Interval Top (ft): 37.7		Pump Intake Depth (ft): 42.9
Well Depth (ft): (46.75) 46.80		Screened/Open Interval Bottom (ft): 46.7		Well Diameter (in): 2
Pump/Tubing Type: QED Bladder Pump & TUPE/LDPE		GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP
Y Dedicated Tubing Present? (Y/N)		N New Dedicated Tubing Placed? (Y/N)		
Purge Start Time: 0923				

Time	Temp. (°C) READ	Temp. (°C) CHANGE*	pH (pH Units) READ	pH (pH Units) CHANGE*	Conductivity (mS/cm) READ	Conductivity (mS/cm) CHANGE*	DO (mg/L) READ	DO (mg/L) CHANGE*	ORP (mV) READ	ORP (mV) CHANGE*	Turbidity (NTU) READ	Turbidity (NTU) CHANGE*	Purge Rate (mL/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
0925	30.5		7.32		0.020		7.36		163.9		39.9		120	39.10		light yellow/N
0928	25.6		7.33		8.106		7.33		166.4		34.0		120	39.10		light yellow/N
9431	25.4		7.31		8.110		5.68		169.3		27.5		150	39.10		light yellow/N
0933	25.4		7.31		8.123		5.41		16173.1		20.9		150	39.10		"
0936	25.3	<1%	7.31	0	8.128	<1%	5.34	2%	174.9	3.3	20.3	1%	150	39.10		"
0939	26.3		7.31		8.125		5.31		176.4		19.7		150	39.10		"
															2.3 L	

Stop Purge Time: 0940	Sample Time: 0947	QA/QC Sample Time(s): N/A
	Sample ID: M-2A-20200513	QA/QC Sample ID(s): N/A

Observations/Comments

Bottle Set Summary

2	3x VOA w/HCl		1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
1	125 mL w/EDA		1	250 mL Plastic		250 mL w/H_2SO_4	1	250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/14/20	Well ID: M-5A
Field Sampler(s): Dylan Davis				
Transducer Removal Time: —	Transducer Redeployment Time: —		General Well Condition: Good	
Depth to Water (ft): 37.68	Screened Interval Top (ft): 42.6		Pump Intake Depth (ft): 45 ft	
Well Depth (ft): 47.40	Screened/Open Interval Bottom (ft): 52.6		Well Diameter (in): 3	
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE	GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP	
Y Dedicated Tubing Present? (Y)/N	N New Dedicated Tubing Placed? (Y)/N			
Purge Start Time: 0719				

Time	Temp. (°C)		pH (pH Units)		Conductivity (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Purge Rate (mL/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*				
0720	23.6		6.97		20.140		5.12		0.8		3.7		160	37.67	0.16	clear/none
0723	24.4		6.64		20.851		1.29		-63.2		3.5		160	37.67	0.96	
0726	24.4		6.65		20.875		1.02		-73.0		3.4		160	37.67	1.76	
0729	24.5	\	6.65	\	20.895	\	0.80	\	-94.3	\	3.7	\	160	37.67	2.56	
0731	24.5	0.0	6.65	<1.0%	20.889	<1.0%	0.77	5.0%	-89.5	6.9	3.4	0.3	160	37.67	3.36	
0734	24.5	/	6.67	/	20.585	/	0.76	/	-91.2	/	3.6	/	160	37.67	4.16	—

Stop Purge Time: 0735	Sample Time: 0745	QA/QC Sample Time(s): —
	Sample ID: M-5A-20200514	QA/QC Sample ID(s): —

Observations/Comments

Bottle Set Summary

2	3x VOA w/HCl	1	125 mL Plastic		500 mL Plastic	1	500 mL w/H_2SO_4		500 mL poly w/HNO_3	1	250 mL Amber Glass w/H_2SO_4
1	125 mL w/EDA	2	250 mL Plastic	2	250 mL w/H_2SO_4		250 mL poly w/HNO_3	1	250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/11/20	Well ID: M-6A
Field Sampler(s): D. Davis				
Transducer Removal Time: NA	Transducer Redeployment Time: NA		General Well Condition: Good	
Depth to Water (ft): 37.95	Screened Interval Top (ft): 28.8		Pump Intake Depth (ft): 40.7	
Well Depth (ft): 47.80	Screened/Open Interval Bottom (ft): 43.5		Well Diameter (in): 2	
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE	GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP	
Y Dedicated Tubing Present? (Y/N)	N New Dedicated Tubing Placed? (Y/N)			
Purge Start Time: 1324				

Time	Temp. (°C)		pH (pH Units)		Conductivity (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*				
1325	35.0		7.11		15.767		4.48		84.8		33.4		160	37.99		clear/none
1328	24.3		6.87		14.389		1.28		104.4		12.0		160	38.02		
1331	24.2		6.87		14.390		0.99		108.0		9.2		160	38.01		
1334	24.2	1.03%	6.86	0.01	14.394	<1.0%	0.99	6 %	109.8	0.8	9.2	410	160	38.01		
1337	28.9		6.96		14.315		0.93		109.4		8.7		160	38.01	2.1 L	

Stop Purge Time: 1337	Sample Time: 1338	QA/QC Sample Time(s): NA	
	Sample ID: M-6A-20200511	QA/QC Sample ID(s): NA	

Observations/Comments Bail @ in well. Removed for sample then replaced. No lock on protector or J-plug

Bottle Set Summary

2	3x VOA w/HCl	1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3	1	250 mL Amber Glass w/H_2SO_4
1	125 mL w/EDA	2	250 mL Plastic		250 mL w/H_2SO_4	2	250 mL poly w/HNO_3	1	250 mL Amber Glass w/H_2PO_4	1	500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring | Task Manager: Jesse Bunkers | Task No: H02 | Date: 5-11-20 | Well ID: M-7B

Field Sampler(s): Ron Phillips

Transducer Removal Time: NA | Transducer Redeployment Time: NA | General Well Condition: OK

Depth to Water (ft): 35.32 | Screened Interval Top (ft): 27.8 | Pump Intake Depth (ft): ~41.0

Well Depth (ft): 54.30 | Screened/Open Interval Bottom (ft): 52.8 | Well Diameter (in): 2

Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE | GW Disposal: GW-11 | Equipment Decon. Method: Alconox/DI Rinse SOP ✓

Y Dedicated Tubing Present? (Y/N) | N New Dedicated Tubing Placed? (Y/N)

Purge Start Time: 1350

Time	Temp. (°C) READ	Temp. (°C) CHANGE¹	pH (pH Units) READ	pH (pH Units) CHANGE²	Conductivity (mS/cm) READ	Conductivity (mS/cm) CHANGE³	DO (mg/L) READ	DO (mg/L) CHANGE⁴	ORP (mV) READ	ORP (mV) CHANGE⁵	Turbidity (NTU) READ	Turbidity (NTU) CHANGE⁶	Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
1355	28.9		7.13		10.409		1.36		93.6		102		180	35.49		clear/NO
1400	26.4		7.14		10.449		1.04		83.3		49			35.55		
1405	27.0		7.14		10.610		0.90		85.7		32			35.61		
1408	27.1		7.14		10.652		0.86		87.4		21			35.65		
1413	26.3		7.15		10.702		0.81		89.9		17.1			35.61		
1417	26.7		7.15		10.724		0.79		92.0		16.8			35.62		
1420	26.6	2%	7.15	NO change	10.744	<1%	0.77	5%	95.0	5.1 mV	16.6	3%	↓	35.625	↓	↓

Stop Purge Time: 1421 | Sample Time: 1424 | QA/QC Sample Time(s): NA

Sample ID: M-7B-20200511 | QA/QC Sample ID(s): NA

Observations/Comments: NA

Bottle Set Summary

2	3x VOA w/HCl	1	125 mL Plastic sterile		500 mL Plastic		500 mL w/H2SO4		500 mL poly w/HNO3	1	250 mL Amber Glass w/H2SO4	
1	125 mL w/EDA	2	250 mL Plastic		250 mL w/H2SO4	2	250 mL poly w/HNO3	1	250 mL Amber Glass w/H3PO4	1	500 mL Amber Glass sulfuric	

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

Page ___of___

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/18/20	Well ID: M-10
Field Sampler(s): BChhun				
Transducer Removal Time: —	Transducer Redeployment Time: —		General Well Condition: good	
Depth to Water (ft): (54.17) 52.60	Screened Interval Top (ft): 44.2		Pump Intake Depth (ft): 58.4	
Well Depth (ft): (69.75) 69.00	Screened/Open Interval Bottom (ft): 64.2		Well Diameter (in): 5	
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE	GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP	
Y Dedicated Tubing Present? (Y/N)	N New Dedicated Tubing Placed? (Y/N)			
Purge Start Time: 1013				

Time	Temp. (°C)		pH (pH Units)		Conductivity (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*				
1017	26.29		7.14		3.020		1.57		55.69	BC	~~76.29~~	49.13	100	52.80		light brown/N
1020	25.69		7.24		2.94		0.95		31.93		52.46		100	52.80		light brown/N
1023	25.81		7.24		2.94		0.91		36.43		~~60.78~~	57.92	100	52.80		yellow/N
1026	25.98		7.19		2.95		0.96		38.14		60.78		100	52.80		yellow/N
1029	25.80		7.11		2.95		1.20		54.39		65.64		100	52.80		yellow/N
1033	25.82		7.04		2.95		1.35		63.80		68.62		100	52.80		yellow/N
1036	26.28		6.96		2.99		1.78		89.40		79.80		100	52.80		yellow/N
1039	25.60		6.87		2.97		1.61		64.11		70.93		100	52.80		yellow/N
1042	25.69		6.79		2.99		1.65		61.02		69.93		100	52.80		yellow/N
1045	25.59	1%	6.74	0.09	2.99	1%	1.60	6%	58.62	2.4	71.14	7%	100	52.80		yellow/N
1048	25.91		6.70		3.02		1.69		62.35		75.06		100	52.80	3.5L	yellow/N

Stop Purge Time: 1049	Sample Time: 1050	QA/QC Sample Time(s): —
	Sample ID: M-10-20200518	QA/QC Sample ID(s): —

Observations/Comments

NDDES PARAMETERS

Bottle Set Summary

2	3x VOA w/HCl	1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
1	125 mL w/EDA	3	250 mL Plastic	1	250 mL w/H_2SO_4	1	250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:

± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

Purge Data: M-11																			
		Parameter	Temp.		pH		Conductivity		DO		ORP		Turbidity		Purge Rate	Depth to Water	Cum. Vol. Purged	Color/Odor
		Parameter Unit	C		SU		mS/cm		mg/L		mV		NTU		mL/min	ft	mL	none
		Stability	± 3%		± 0.1		± 3%		± 10% or <0.5		± 10		± 10% or <10					
sys_loc_code	measurement_date	Measurement_time	READ	CHANGE	READ	CHANGE	READ	CHANGE	READ	CHANGE	READ	CHANGE	READ	CHANGE	READ	READ	READ	READ
M-11	5/15/20 7:29	07:29:00	25.7		7.63		3.903		2.49		335.6		154.2		300	43.90	900	None/None
M-11	5/15/20 7:32	07:32:00	25.9	1%	7.42	0.2	3.939	1%	1.41	-43%	245.1	91	156.2	1%	300	44.00	1800	None/None
M-11	5/15/20 7:35	07:35:00	26.1	1%	7.41	0.0	3.948	0%	1.44	2%	227.8	17	129.4	-17%	300	44.00	2700	None/None
M-11	5/15/20 7:38	07:38:00	26.2	0%	7.42	0.0	3.958	0%	1.58	10%	230.7	3	111.5	-14%	300	44.00	3600	None/None
M-11	5/15/20 7:41	07:41:00	26.2	0%	7.43	0.0	3.955	0%	1.68	6%	236.5	6	99.8	-10%	300	44.00	4500	None/None
M-11	5/15/20 7:44	07:44:00	25.9	-1%	7.52	0.1	3.940	0%	2.44	45%	251.2	15	77.9	-22%	300	44.00	5400	None/None
M-11	5/15/20 7:47	07:47:00	26.1	1%	7.42	0.1	3.948	0%	1.93	-21%	252.2	1	82.6	6%	300	44.00	6300	None/None
M-11	5/15/20 7:50	07:50:00	26.1	0%	7.42	0.0	3.953	0%	2.00	4%	256.8	5	71.8	-13%	300	44.00	7200	None/None
M-11	5/15/20 7:53	07:53:00	26.2	0%	7.42	0.0	3.955	0%	2.03	1%	258.6	2	67.9	-5%	300	44.00	8100	None/None
M-11	5/15/20 7:56	07:56:00	26.2	0%	7.42	0.0	3.956	0%	2.04	0%	259.1	1	64.0	-6%	300	44.00	9000	None/None
M-11	5/15/20 7:59	07:59:00	26.2	0%	7.42	0.0	3.955	0%	2.04	0%	259.4	0	65.9	3%	300	44.00	9900	None/None

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/18/20	Well ID: M-12A
Field Sampler(s): Jesse Bunkers				
Transducer Removal Time: —		Transducer Redeployment Time: —		General Well Condition: Good
Depth to Water (ft): 42.00		Screened Interval Top (ft): 39.7		Pump Intake Depth (ft): 47
Well Depth (ft): 51.2		Screened/Open Interval Bottom (ft): 49.7		Well Diameter (in): 3
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE		GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP
Y Dedicated Tubing Present? (Y/N)		N New Dedicated Tubing Placed? (Y/N)		
Purge Start Time: 0747				

Time	Temp. (°C)		pH (pH Units)		Conductivity (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*				
0751	24.7		8.11		6.450		6.17		194.0		43.9		180	42.05		yellowish/clear
0754	24.9		8.10		6.486		5.82		150.7		47.6		"	"		"
0757	24.9	0	8.10	0	6.489	<1%	5.69	3%	150.4	0.3	46.0	3%	"	"		"
0800	24.9		8.10		6.488		5.65		150.6		46.1		"	"	2.5	"

Stop Purge Time: 0801	Sample Time: 0810	QA/QC Sample Time(s): 0815
	Sample ID: M-12A-20200518	QA/QC Sample ID(s): M-12A-20200518-FB4

Observations/Comments

Bottle Set Summary

4	3x VOA w/HCl	2	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
2	125 mL w/EDA	4	250 mL Plastic		250 mL w/H_2SO_4	2	250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/13/20	Well ID: M-13
Field Sampler(s): CROCKETT				
Transducer Removal Time: 1200		Transducer Redeployment Time: 1220		General Well Condition: Casing rusted
Depth to Water (ft): 42.56 (42.36)		Screened Interval Top (ft): 30		Pump Intake Depth (ft): 45
Well Depth (ft): 48.01 (48.2)		Screened/Open Interval Bottom (ft): 50		Well Diameter (in): 5
Pump/Tubing Type: QED Bladder Pump & TUPE/LDPE		GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP
N Dedicated Tubing Present? (Y/N)		Y New Dedicated Tubing Placed? (Y/N)		

Purge Start Time: 1232

Time	Temp (°C)		pH (Std Units)		Conductivity (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Pump Flow Rate (mL/min)	Depth to Water (ft)	Cum. Vol. Removed (L)	Observations
	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*				
1236														42.58		
1239														42.61		
1242	28.9		6.99		4.176		1.87		-142.1		79.00		50	42.61	0.5	Red-brown turbid
1245	28.9		6.96		4.189		1.39		-142.3		79.97		60	42.63	0.68	" "
1248	28.6		6.95		4.205		1.15		-146.2		70.58		60	42.63	0.86	" "
1251	28.6		6.95		4.196		0.99		-145.5		66.25		60	42.64	1.04	" "
1254	28.6		6.95		4.201		0.90		-146.9		60.17		60	42.65	1.22	" "
1257	28.6		6.95		4.196		0.81		-148.9		61.85		60	42.65	1.40	" "
1300	28.7		6.95		4.199		0.77		-148.5		59.08		60	42.65	1.58	" "
1303	29.7		6.94		4.20		0.71		-150.0		57.90		60	42.64	1.76	" "
1306	28.8		6.94		4.205		0.64		-151.5		56.20		60	42.64	1.94	" "
1309	28.7		6.94		4.207		0.62		-154.1		54.27		60	42.65	2.12	" "
1312	28.7		6.94		4.208		0.56		-154.7		54.71		60	42.65	2.30	" "
1315	28.7		6.94		4.201		0.52		-154.4		53.96		60	42.65	2.48	" "
1318	28.6		6.94		4.211		0.49		-154.8		52.98		60	42.65	2.66	" "

Stop Purge Time: 1327 Sample Time: 1355 QA/QC Sample Time(s): N/A

Sample ID: M-13-20200513 QA/QC Sample ID(s): N/A

Observations/Comments

Bottle Set Summary

2	3x VOA w/HCl	1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
1	125 mL w/EDA	1	250 mL Plastic		250 mL w/H_2SO_4	1	250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABILIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/13/20	Well ID: M-13

Field Sampler(s): Crockett

Transducer Removal Time: 1200	Transducer Redeployment Time: 1220	General Well Condition: CASING RUSTED
Depth to Water (ft): 42.56 (47.36)	Screened Interval Top (ft): 30	Pump Intake Depth (ft): 45
Well Depth (ft): 48.01 (48.2)	Screened/Open Interval Bottom (ft): 50	Well Diameter (in): 5
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE	GW Disposal: GW-11	Equipment Decon. Method: Alconox/DI Rinse SOP

☑ Dedicated Tubing Present? (Y/N) — I New Dedicated Tubing Placed? (Y/N)

Purge Start Time: 1232

Time	Temp (°C) READ	Temp (°C) CHANGE	pH (+/- 0.1 Units) READ	pH (+/- 0.1 Units) CHANGE	Conductivity (+/- 3%) READ	Conductivity (+/- 3%) CHANGE	DO (+/- 10% or <0.5 mg/L) READ	DO (+/- 10% or <0.5 mg/L) CHANGE	ORP (+/- 10 mV) READ	ORP (+/- 10 mV) CHANGE	Turbidity (+/- 10% or <10 NTU) READ	Turbidity (+/- 10% or <10 NTU) CHANGE	Purge Rate (mL/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Comments
1321	28.8		6.93		4.198		0.48		-153.3		51.54		60	42.65	2.84	Red-brn/Mora
1324	29.0	1.4%	6.93	0.01	4.203	0.3%	0.49	<0.5	-153.1	1.5mV	52.00	2.8%	60	42.65	3.02	" "

Stop Purge Time: 1327

Sample Time: 1335

Sample ID: M-13-20200513

QA/QC Sample Time(s): N/A

QA/QC Sample ID(s): N/A

Observations/Comments

Bottle Set Summary

2	3x VOA w/HCl		125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
1	125 mL w/EDA	1	250 mL Plastic		250 mL w/H_2SO_4	1	250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/14/20
Well ID: M-14A			
Field Sampler(s): J. Masters			
Transducer Removal Time: n/a	Transducer Redeployment Time: n/a	General Well Condition: Good	
Depth to Water (ft): 32.12	Screened Interval Top (ft): >2.4	Pump Intake Depth (ft): 37.2	
Well Depth (ft): 42.41	Screened/Open Interval Bottom (ft): 42.4	Well Diameter (in): 2	
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE	GW Disposal: GW-11	Equipment Decon. Method: Alconox/DI Rinse SOP	
Y Dedicated Tubing Present? (Y/N)	N New Dedicated Tubing Placed? (Y/N)		
Purge Start Time: 1034			

Time	Temp. (°C) READ	Temp. (°C) CHANGE*	pH (pH Units) READ	pH (pH Units) CHANGE*	Conductivity (mS/cm) READ	Conductivity (mS/cm) CHANGE*	DO (mg/L) READ	DO (mg/L) CHANGE*	ORP (mV) READ	ORP (mV) CHANGE*	Turbidity (NTU) READ	Turbidity (NTU) CHANGE*	Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
1037	26.5		7.29		4.703		6.34		167.6		32.05		90	32.19	0.27	clear/none
1040	26.5		7.29		4.684		6.21		168.6		31.13		90	32.21	0.54	clear/none
1043	26.3		7.29		4.666		6.29		169.3		19.40		90	32.23	0.81	clear/none
1046	26.3		7.29		4.657		6.26		169.5		18.92		90	32.25	1.08	clear/none
1049	26.3	0%	7.29	0%	4.656	0.2%	6.25	0.6%	169.7	.4mV	18.54	4.4%	90	32.27	1.35	clear/none

Stop Purge Time: 1053	Sample Time: 1055	QA/QC Sample Time(s): N/A	
	Sample ID: M-14A-20200514	QA/QC Sample ID(s): N/A	

Observations/Comments

Bottle Set Summary

2	3x VOA w/HCl	1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
1	125 mL w/EDA	1	250 mL Plastic		250 mL w/H_2SO_4	1	250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Burdsall	Task No: H02	Date: 5/13/20	Well ID: M-19
Field Sampler(s): BJ Johnson				
Transducer Removal Time: NA		Transducer Redeployment Time: NA		General Well Condition: good
Depth to Water (ft): 33.87 33.91		Screened Interval Top (ft): 16.9		Pump Intake Depth (ft): 35.4
Well Depth (ft): 41.1 41.3		Screened/Open Interval Bottom (ft): 36.9		Well Diameter (in): 2
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE		GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP
Y Dedicated Tubing Present? (Y/N)		N New Dedicated Tubing Placed? (Y/N)		
Purge Start Time: 0813				

Time	Temp. (°C) READ	Temp. (°C) CHANGE*	pH (pH Units) READ	pH (pH Units) CHANGE*	Conductivity (mS/cm) READ	Conductivity (mS/cm) CHANGE*	DO (mg/L) READ	DO (mg/L) CHANGE*	ORP (mV) READ	ORP (mV) CHANGE*	Turbidity (NTU) READ	Turbidity (NTU) CHANGE*	Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
0815	24.1		7.46		4.420		6.38		165.7		5.6		150	33.98		clear/N
0818	24.1		7.31		4.533		5.11		168.3		3.3		150	33.98		clear/N
0821	24.5		7.23		4.687		3.53		171.7		2.7		150	33.98		clear/N
0824	24.7		7.22		4.761		3.08		173.3		2.6		150	33.98		clear/N
0827	24.6		7.22		4.844		2.64		174.9		2.5		150	33.98		clear/N
0830	24.5		7.21		4.960		2.23		175.4		2.4		150	33.98		clear/N
0833	24.5		7.21		5.038		2.00		175.9		2.4		150	33.98		clear/N
0836	24.6		7.21		5.111		1.86		176.3		2.3		150	33.98		clear/N
0839	24.7	1%	7.21	0	5.142	1.3%	1.85	2.2%	176.3	0.1	2.3	<10 NTU	150	33.98		clear/N
0842	24.7		7.21		5.175		1.82		176.4		2.2		150	33.98	4.05L	clear/N

Stop Purge Time: 0843	Sample Time: 0845	QA/QC Sample Time(s): N/A
	Sample ID: M-19-20200513	QA/QC Sample ID(s): N/A

Observations/Comments

Bottle Set Summary

2	3x VOA w/HCl	1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
1	125 mL w/EDA	1	250 mL Plastic		250 mL w/H_2SO_4	1	250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring | Task Manager: Jesse Bunkers | Task No: H02 | Date: 5/14/20 | Well ID: M-21

Field Sample(s): Duplicate

Transducer Removal Time: — | Transducer Redeployment Time: — | General Well Condition: good

Depth to Water (ft): (40.14) 40.40 | Screened Interval Top (ft): 20.29 | Pump Intake Depth (ft): N/A

Well Depth (ft): (43.62) 43.62 | Screened/Open Interval Bottom (ft): 39.45 | Well Diameter (in): 2

Pump/Tubing Type: QED Bladder Pump & TLP/ALDPE | GW Disposal: GW-11 | Equipment Decon. Method: Alconox/DI Rinse SOP

N Dedicated Tubing Present? (Y/N) | N New Dedicated Tubing Placed? (Y/N)

Purge Start Time:

Time	Temp. (°C)		pH (pH Units)		Conductivity (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*				
	INSUFFICIENT WATER TO SAMPLE															
	DTW > BOTTOM OF SCREEN															

Stop Purge Time: NA | Sample Time: NA | Sample ID: NA | QA/QC Sample Time(s): NA | QA/QC Sample ID(s): NA

Observations/Comments

Bottle Set Summary

	3x VOA w/HCl		125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4	
	125 mL w/EDA		250 mL Plastic		250 mL w/H_2SO_4		250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass	

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/15/20	Well ID: M-22A
Field Sampler(s): A. Morgan				
Transducer Removal Time: NA	Transducer Redeployment Time: NA		General Well Condition: good	
Depth to Water (ft): ~~27.84~~ 28.58	Screened Interval Top (ft): 16.5		Pump Intake Depth (ft): ~~32.7~~ 33.5 (DP)	
Well Depth (ft): 36.81 (historical)	Screened/Open Interval Bottom (ft): 36.5		Well Diameter (in): 2	
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE	GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP	
Y Dedicated Tubing Present? (Y/N)	N New Dedicated Tubing Placed? (Y/N)			
Purge Start Time: 1346				

Time	Temp. (°C)		pH (pH Units)		Conductivity (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*				
1348	—		—		—		—		—		—		80	28.92	0.16	Lgreen/tan
1351	27.3		7.10		10.753		2.54		139.0		0.6		100	28.93	0.76	" "
1353	27.2		7.09		10.727		1.73		147.3		1.0		100	28.93	1.16	" "
1356	27.1		7.06		10.709		1.57		151.9		0.2		120	28.93	1.52	" "
1359	27.0		7.07		10.683		1.38		157.6		0.0		120	28.93	1.88	" "
1402	26.9	<1%	7.07	no change	10.672	<1%	1.36	2%	160.4	8.9 mV	0.0	<10 NTU	120	28.93	2.24	" "
1405	26.7		7.07		10.636		1.35		163.5		0.0		120	28.93	2.6	" "

Stop Purge Time: 1406	Sample Time: 1407	QA/QC Sample Time(s): NA
	Sample ID: M-22A-20200515	QA/QC Sample ID(s): NA

Observations/Comments

Bottle Set Summary

2	3x VOA w/HCl	1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
1	125 mL w/EDA	1	250 mL Plastic		250 mL w/H_2SO_4	1	250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/11/20	Well ID: M-23
Field Sampler(s): Dylan Davis				
Transducer Removal Time: —	Transducer Redeployment Time: —		General Well Condition: Good	
Depth to Water (ft): 33.50	Screened Interval Top (ft): 12.7		Pump Intake Depth (ft): 37.1	
Well Depth (ft): 44.81	Screened/Open Interval Bottom (ft): 40.7		Well Diameter (in): 2"	
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE	GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP	
Y Dedicated Tubing Present? (Y/N)	N New Dedicated Tubing Placed? (Y/N)			
Purge Start Time: 0932				

Time	Temp. (°C)		pH (pH Units)		Conductivity (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*				
0933	29.5		7.63		5.745		4.30		147.1		18.4		240	33.53		clear/no
0936	26.2		7.30		4.976		2.89		158.9		9.7		240	33.53		
0939	26.0	<1.0%	7.27	0.04	4.948	<1.0%	2.84	2.8%	167.5	5.7	7.8	<10%	240	33.53		
0942	26.0	✓	7.26	✓	4.958	✓	2.81	✓	164.6	✓	7.2	✓	240	33.53	2.4L	↓

Stop Purge Time: 0943	Sample Time: 0945	QA/QC Sample Time(s): NA
	Sample ID: M-23-20200511	QA/QC Sample ID(s): NA

Observations/Comments: No protector lock and no J-plug lock.

Bottle Set Summary

2	3x VOA w/HCl	1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4	
1	125 mL w/EDA	1	250 mL Plastic	1	250 mL w/H_2SO_4		250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass	

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring | Task Manager: Jesse Bunkers | Task No: H02 | Date: 5/11/20 | Well ID: M-25

Field Sampler(s): A Cowlett

Transducer Removal Time: 1137 | Transducer Redeployment Time: 1230 | General Well Condition: GOOD

Depth to Water (ft): 31.17 (32.65) | Screened Interval Top (ft): 27.1 | Pump Intake Depth (ft): 35.6

Well Depth (ft): 40.11 (40.24) | Screened/Open Interval Bottom (ft): 42.1 | Well Diameter (in): 2

Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE | GW Disposal: GW-11 | Equipment Decon. Method: Alconox/DI Rinse SOP

Y Dedicated Tubing Present? (Y/N) | N New Dedicated Tubing Placed? (Y/N)

Purge Start Time: 1157

Time	Temp. (°C)		pH (pH Units)		Conductivity (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*				
1200	24.9		7.41		5.489		2.44		146.9		1.71		210	31.29	1.30	N/N
1203	29.1		7.32		5.468		1.96		147.0		1.11		210	31.27	1.26	N/N
1206	28.4		7.30		5.435		1.63		147.4		0.66		210	31.27	1.89	N/N
1209	28.1		7.30		5.488		1.54		147.8		0.59		210	31.27	2.52	N/N
1212	28.0	14%	7.30	0	5.423	0.22%	1.49	8.6%	147.7	0.4%	0.78	<10	210	31.27	3.15	N/N

Stop Purge Time: 1217 | Sample Time: 1225 | QA/QC Sample Time(s): NA

Sample ID: M-25-20200511 | QA/QC Sample ID(s): NA

Observations/Comments

NA

Bottle Set Summary

2	3x VOA w/HCl		1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
1	125 mL w/EDA		1	250 mL Plastic		250 mL w/H_2SO_4	1	250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABILIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:

± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

Purge Data: M-31A																			
		Parameter	Temp.		pH		Conductivity		DO		ORP		Turbidity		Purge Rate	Depth to Water	Cum. Vol. Purged	Color/Odor
		Parameter Unit	C		SU		mS/cm		mg/L		mV		NTU		mL/min	ft	mL	none
		Stability	± 3%		± 0.1		± 3%		± 10% or <0.5		± 10		± 10% or <10					
sys_loc_code	measurement_date	Measurement_time	READ	CHANGE	READ	CHANGE	READ	CHANGE	READ	CHANGE	READ	CHANGE	READ	CHANGE	READ	READ	READ	READ
M-31A	5/14/20 8:06	08:06:00	18.5		7.94		0.846		8.75		239.7		151.7		180	40.00	540	None/None
M-31A	5/14/20 8:09	08:09:00	18.1	-2%	7.91	0.0	0.834	-1%	8.70	-1%	244.3	5	159.6	5%	180	40.00	1080	None/None
M-31A	5/14/20 8:12	08:12:00	18.0	-1%	7.90	0.0	0.832	0%	8.68	0%	249.6	5	121.4	-24%	180	40.00	1620	None/None
M-31A	5/14/20 8:15	08:15:00	18.0	0%	7.90	0.0	0.832	0%	8.67	0%	254.1	5	90.7	-25%	180	40.00	2160	None/None
M-31A	5/14/20 8:18	08:18:00	18.0	0%	7.89	0.0	0.832	0%	8.66	0%	258.5	4	78.8	-13%	180	40.00	2700	None/None
M-31A	5/14/20 8:21	08:21:00	18.1	1%	7.88	0.0	0.834	0%	8.66	0%	262.6	4	56.3	-29%	180	40.00	3240	None/None
M-31A	5/14/20 8:24	08:24:00	18.0	-1%	7.87	0.0	0.834	0%	8.66	0%	266.5	4	35.1	-38%	180	40.00	3780	None/None
M-31A	5/14/20 8:27	08:27:00	18.0	0%	7.87	0.0	0.834	0%	8.66	0%	270.1	4	23.2	-34%	180	40.00	4320	None/None
M-31A	5/14/20 8:30	08:30:00	18.1	1%	7.87	0.0	0.844	1%	8.76	1%	275.1	5	30.7	32%	180	40.00	4860	None/None
M-31A	5/14/20 8:33	08:33:00	18.2	1%	7.77	0.1	0.836	-1%	8.68	-1%	280.8	6	17.0	-45%	180	40.00	5400	None/None
M-31A	5/14/20 8:36	08:36:00	18.2	0%	7.76	0.0	0.837	0%	8.68	0%	283.9	3	14.0	-18%	180	40.00	5940	None/None
M-31A	5/14/20 8:39	08:39:00	18.3	1%	7.76	0.0	0.837	0%	8.67	0%	286.5	3	10.5	-25%	180	40.00	6480	None/None
M-31A	5/14/20 8:43	08:43:00	18.2	-1%	7.77	0.0	0.837	0%	8.67	0%	289.5	3	10.4	-1%	180	40.00	7020	None/None
M-31A	5/14/20 8:46	08:46:00	18.2	0%	7.77	0.0	0.836	0%	8.67	0%	291.5	2	8.6	-17%	180	40.00	7560	None/None
M-31A	5/14/20 8:49	08:49:00	18.1	-1%	7.78	0.0	0.835	0%	8.67	0%	293.5	2	8.2	-5%	180	40.00	8100	None/None
M-31A	5/14/20 8:52	08:52:00	18.3	1%	7.78	0.0	0.837	0%	8.66	0%	295.3	2	7.2	-12%	180	40.00	8640	None/None

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Burkers	Task No: H02	Date: 5/4/20	Well ID: M-32
Field Sampler(s): Cheekett				
Transducer Removal Time: N/A		Transducer Redeployment Time: N/A		General Well Condition: GOOD
Depth to Water (ft): 38.83 (43.81)		Screened Interval Top (ft): 34		Pump Intake Depth (ft): 44
Well Depth (ft): 53.05 (53.2)		Screened/Open Interval Bottom (ft): 49		Well Diameter (in): 2
Pump/Tubing Type: QED Bladder Pump & TUPE/LDPE		GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP
Y (X) Dedicated Tubing Present? (Y/N)		N New Dedicated Tubing Placed? (Y/N) Tubing had sted into well		
Purge Start Time: 0906				

Time	Temp. (°C) READ	Temp. (°C) CHANGE*	pH (pH Units) READ	pH (pH Units) CHANGE*	Conductivity (mS/cm) READ	Conductivity (mS/cm) CHANGE*	DO (mg/L) READ	DO (mg/L) CHANGE*	ORP (mV) READ	ORP (mV) CHANGE*	Turbidity (NTU) READ	Turbidity (NTU) CHANGE*	Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
0855	Check DTW again - >2 ft change													38.84		
0908														38.88		
0909	23.9		7.93		0.985		7.59		76.5		19.85		95	38.88	0.29	N/N
0912	24.6		7.71		0.975		6.98		81.5		21.06		95	38.88	0.57	N/N
0915	25.5		7.63		0.979		6.83		92.2		19.73		95	38.88	0.86	N/N
0918	25.9		7.63		0.987		6.73		100.4		17.52		95	38.88	1.14	N/N
0921	25.8		7.62		0.990		6.65		106.8		19.38		95	38.88	1.43	N/N
0924	25.9		7.61		0.989		6.55		110.8		21.23		95	38.88	1.71	N/N
0927	25.9		7.61		0.992		6.55		113.1		24.14		95	38.88	2.00	N/N
0930	26.1		7.60		0.995		6.51		113.4		28.68		95	38.88	2.29	N/N
0933	26.3	1.5%	7.59	0.02	1.000	0.8%	6.77	3.4%	113.6	0.5	28.76	10%	95	38.88	2.57	N/N
~~0936~~																
0936	26.0	0.2%	7.59	0.02	1.010	1.5%	6.76	4.0%	111.7	1.9	28.72	0.3%	95	38.88	2.85	N/N

Stop Purge Time: 0937	Sample Time: 0945	QA/QC Sample Time(s): N/A
	Sample ID: M-32-20200514	QA/QC Sample ID(s): N/A

Observations/Comments

Bottle Set Summary

2	3x VOA w/HCl	1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
1	125 mL w/EDA	1	250 mL Plastic		250 mL w/H_2SO_4	1	250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/14/20	Well ID: M-33
Field Sampler(s): AVClark				
Transducer Removal Time: N/A		Transducer Redeployment Time: N/A		General Well Condition: GOOD
Depth to Water (ft): 39.68 (44.34)		Screened Interval Top (ft): 33.9		Pump Intake Depth (ft): 44.2
Well Depth (ft): 53.15 (53.5)		Screened/Open Interval Bottom (ft): 48.9		Well Diameter (in): 2
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE		GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP
N Dedicated Tubing Present? (Y/N)		Y New Dedicated Tubing Placed? (Y/N)		
Purge Start Time: 0717				

Time	Temp. (°C)		pH (pH Units)		Conductivity (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*				
0659	Check TOW again - >2 ft difference													39.68		
0721														39.73		N/N
0725	24.0		7.29		1.449		7.85		87.4		14.79		95	39.73	0.76	N/N
0728	24.3		7.31		1.455		7.89		85.4		1430		95	39.73	1.05	N/N
0731	24.7	2.4%	7.34	0.06	1.459	0.7%	7.93	1.0%	92.0	6.6mV	13.99	5.7%	95	39.73	1.33	N/N

Stop Purge Time: 0735	Sample Time: 0740	QA/QC Sample Time(s): N/A	
	Sample ID: M-33-~~0514~~ 20200514 REC	QA/QC Sample ID(s): N/A	

Observations/Comments

Bottle Set Summary

2	3x VOA w/HCl	1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4	
1	125 mL w/EDA	1	250 mL Plastic		250 mL w/H_2SO_4	1	250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass	

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Burkers	Task No: H02	Date: 5/13/20	Well ID: M-35
Field Sampler(s): Crockett				
Transducer Removal Time: N/A		Transducer Redeployment Time: N/A		General Well Condition: Good
Depth to Water (ft): 29.73 (31.45)		Screened Interval Top (ft): 24.5		Pump Intake Depth (ft): 35
Well Depth (ft): 39.80 (40)		Screened/Open Interval Bottom (ft): 39.5		Well Diameter (in): 2
Pump/Tubing Type: QED Bladder Pump & TUPE/LDPE		GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP
Y Dedicated Tubing Present? (Y/N)		N New Dedicated Tubing Placed? (Y/N)		
Purge Start Time: 1013				

Time	Temp (°C)		pH (pH Units)		Sp. Cond. (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Purge Rate (mL/min)	Depth to Water (ft)	Stabilized Purge Vol (L)	Sampling Notes
	Reading	%Change	Reading	%Change	Reading	%Change	Reading	%Change	Reading	%Change	Reading	%Change				
1016	27.7		7.67		2.765		3.69		119.5		1.70		120	29.73	0.36	N/N
1019	27.0		7.54		2.688		2.59		123.3		1.80		120	29.73	0.72	N/N
1022	26.7		7.51		2.666		2.14		126.8		1.35		120	29.73	1.08	N/N
1025	26.5		7.49		2.679		2.08		129.3		1.21		120	29.73	1.44	N/N
1028	26.5	0.8%	7.48	0.03	2.694	2.0%	2.10	2.9%	130.8	4mV	1.40	<10NTU	120	29.73	1.80	N/N

Stop Purge Time: 1030	Sample Time: 1035	QA/QC Sample Time(s): N/A
	Sample ID: M-35-20200513	QA/QC Sample ID(s): N/A

Observations/Comments

Bottle Set Summary

2	3x VOA w/HCl	1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
1	125 mL w/EDA	1	250 mL Plastic		250 mL w/H_2SO_4	1	250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring | Task Manager: Jesse Bunkers | Task No: H02 | Date: 5/14/20 | Well ID: M-37

Field Sampler(s): Dylan Davis

Transducer Removal Time: — | Transducer Redeployment Time: — | General Well Condition: Good (no lock or well cap)

Depth to Water (ft): 30.91 (PVC top) | Screened Interval Top (ft): 22.5 | Pump Intake Depth (ft): 34.88 ft

Well Depth (ft): 36.85 | Screened/Open Interval Bottom (ft): 32.5 | Well Diameter (in): 2

Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE | GW Disposal: GW-11 | Equipment Decon. Method: Alconox/DI Rinse SOP

Y Dedicated Tubing Present? (Y/N) | N New Dedicated Tubing Placed? (Y/N)

Purge Start Time: 0853

Time	Temp. (°C) READ	Temp. (°C) CHANGE*	pH (pH Units) READ	pH (pH Units) CHANGE*	Conductivity (mS/cm) READ	Conductivity (mS/cm) CHANGE*	DO (mg/L) READ	DO (mg/L) CHANGE*	ORP (mV) READ	ORP (mV) CHANGE*	Turbidity (NTU) READ	Turbidity (NTU) CHANGE*	Purge Rate (ml/min)	Depth to Water (ft)*	Cum. Vol. Purged (L)	Color/Odor
0854	25.1		7.30		6.337		3.24		61.6		5.4		240	32.010	0.24	
0857	25.5		6.93		6.169		1.63		72.0		4.0		240	32.06	1.44	
0900	25.4	\	6.89	\	6.161	\	1.48	\	75.1	\	3.7	\	240	32.05	2.64	
0903	25.5	<1.0%	6.87	<1.0%	6.154	<1.0%	1.42	4.2%	77.2	6.4	3.4	0.4	240	32.05	3.84	
0906	25.5	✓	6.84	✓	6.151	✓	1.44	✓	81.5	✓	3.3	✓	240	32.05	5.04	

Stop Purge Time: 0907 | Sample Time: 0915 | QA/QC Sample Time(s): NA

Sample ID: M-37-20200514 | QA/QC Sample ID(s): N/A

Observations/Comments: Depth to water measured from top of metal casing during purge for better accuracy. PSI set to 50. 10 sec fill / 5 sec recharge. Did not have issues keeping within 0.3ft drawdown.

Bottle Set Summary

2	3x VOA w/HCl	1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4	
1	125 mL w/EDA	2	250 mL Plastic	1	250 mL w/H_2SO_4		250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass	

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:

± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring | Task Manager: Jesse Burkers | Task No: H02 | Date: 5/14/20 | Well ID: M-38

Field Sampler(s): J. Masters

Transducer Removal Time: n/a | Transducer Redeployment Time: n/a | General Well Condition: good

Depth to Water (ft): 30.19 | Screened Interval Top (ft): 21.3 | Pump Intake Depth (ft): 33.2

Well Depth (ft): 37.32 | Screened/Open Interval Bottom (ft): 36.3 | Well Diameter (in): 2

Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE | GW Disposal: GW-11 | Equipment Decon. Method: Alconox/DI Rinse SOP

Y Dedicated Tubing Present? (Y/N) | N New Dedicated Tubing Placed? (Y/N)

Purge Start Time: 0851

Time	Temp. (°C) READ	Temp. (°C) CHANGE*	pH (pH Units) READ	pH (pH Units) CHANGE*	Conductivity (mS/cm) READ	Conductivity (mS/cm) CHANGE*	DO (mg/L) READ	DO (mg/L) CHANGE*	ORP (mV) READ	ORP (mV) CHANGE*	Turbidity (NTU) READ	Turbidity (NTU) CHANGE*	Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
0854	24.4		7.01		8.895		1.35		160.2		8.34		120	30.16	0.36	slight yellow / none
0857	25.0		7.00		8.996		1.09		162.3		6.20		120	30.16	0.72	"
0900	25.1		7.00		9.022		0.95		163.6		5.18		120	30.16	1.08	"
0903	25.0		7.00		9.010		0.90		165.5		4.74		120	30.16	1.44	"
0906	25.0	0.1 %	7.00	0 %	9.012	0.1%	0.88	7.5%	165.7	4.1mV	4.07	<10 NTU	120	30.16	1.80	"

Stop Purge Time: 0908 | Sample Time: 0910 | QA/QC Sample Time(s): NA

Sample ID: M-38-20200514 | QA/QC Sample ID(s): NA

Observations/Comments

Bottle Set Summary

2	3x VOA w/HCl	1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3	250 mL Amber Glass w/H_2SO_4
1	125 mL w/EDA	2	250 mL Plastic		250 mL w/H_2SO_4	1	250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4	500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:

± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/12/20	Well ID: M-44
Field Sampler(s): J Bunkers				
Transducer Removal Time: 0939	Transducer Redeployment Time: 1100		General Well Condition: Good	
Depth to Water (ft): 22.60	Screened Interval Top (ft): 7.5		Pump Intake Depth (ft): 20.05	
Well Depth (ft): 37.4	Screened/Open Interval Bottom (ft): 37.5		Well Diameter (in): 2	
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE	GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP	
Y Dedicated Tubing Present? (Y/N)	N New Dedicated Tubing Placed? (Y/N)			
Purge Start Time: 0949				

Time	Temp. (°C) READ	Temp. (°C) CHANGE*	pH (pH Units) READ	pH (pH Units) CHANGE*	Conductivity (mS/cm) READ	Conductivity (mS/cm) CHANGE*	DO (mg/L) READ	DO (mg/L) CHANGE*	ORP (mV) READ	ORP (mV) CHANGE*	Turbidity (NTU) READ	Turbidity (NTU) CHANGE*	Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
0957	25.4		9.71		9.487		0.75		142.8		9.99		180	22.85		clear/none
1000	25.4		9.41		9.491		0.67		143.1		7.68		"	"		"
1003	25.4		9.52		9.490		0.62		142.7		7.61		"	"		"
1006	25.4	0	9.71	0.01	9.491	<1%	0.58	9%	141.7	0.9	7.46	~10	"	"		"
1009	25.4		9.71		9.491		0.53		141.0		7.65		"	"		"
1012	25.4		9.70		9.490		0.53		140.8		7.50		"	"	4.5	"

Stop Purge Time: 1013	Sample Time: 1020	QA/QC Sample Time(s): 1025
	Sample ID: M-44-20200512	QA/QC Sample ID(s): M-44-20200512 - EB-4

Observations/Comments

leakin tubing, replaced @ 0954

M-44 - 20200512 - TB12 @0800

Bottle Set Summary

4	3x VOA w/HCl	2	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
2	125 mL w/EDA	4	250 mL Plastic		250 mL w/H_2SO_4	2	250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

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± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/8/20	Well ID: M-48A
Field Sampler(s): A. Morgan				
Transducer Removal Time: NA	Transducer Redeployment Time: NA		General Well Condition: good	
Depth to Water (ft): 30.04	Screened Interval Top (ft): 19.5		Pump Intake Depth (ft): 34.8	
Well Depth (ft): 40.11	Screened/Open Interval Bottom (ft): 39.5		Well Diameter (in): 2	
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE	GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP	
Y Dedicated Tubing Present? (Y/N)	N New Dedicated Tubing Placed? (Y/N)			
Purge Start Time: 1138				

Time	Temp. (°C) READ	Temp. (°C) CHANGE*	pH (pH Units) READ	pH (pH Units) CHANGE*	Conductivity (mS/cm) READ	Conductivity (mS/cm) CHANGE*	DO (mg/L) READ	DO (mg/L) CHANGE*	ORP (mV) READ	ORP (mV) CHANGE*	Turbidity (NTU) READ	Turbidity (NTU) CHANGE*	Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
1140	27.0		7.11		5.632		1.52		88.9		29.4		160	30.04	0.32	none/none
1143	26.9		7.11		5.624		1.33		87.3		25.1		240	30.04	1.04	" "
1146	26.9		7.12		5.622		1.30		87.1		16.0		240	30.04	1.76	" "
1149	26.8		7.14		5.619		1.29		87.4		4.0		240	30.04	2.48	" "
1152	26.8	no change	7.14	no change	5.613	<1%	1.26	5.1%	87.7	0.4%	4.5	<10 NTU	240	30.04	3.2	" "
1155	26.8		7.14		5.609		1.22		88.3		2.2		240	30.04	3.93	" "

Stop Purge Time: 1156	Sample Time: 1158	QA/QC Sample Time(s): ——	
	Sample ID: M-48A-20200508	QA/QC Sample ID(s): ——	

Observations/Comments

Bottle Set Summary

2	3x VOA w/HCl	1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
1	125 mL w/EDA	1	250 mL Plastic		250 mL w/H_2SO_4	1	250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

Page ___of___

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/18/20	Well ID: M-52
Field Sampler(s): bthum				
Transducer Removal Time: —		Transducer Redeployment Time: —		General Well Condition: good
Depth to Water (ft): (40.82) 39.45		Screened Interval Top (ft): 37.7		Pump Intake Depth (ft): 43.43
Well Depth (ft): (47.3) 47.40		Screened/Open Interval Bottom (ft): 47.7		Well Diameter (in): 2
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE		GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP
Y Dedicated Tubing Present? (Y/N)		N New Dedicated Tubing Placed? (Y/N)		
Purge Start Time: 1219				

Time	Temp. (°C)		pH (pH Units)		Conductivity (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*				
1228	28.62		7.43		5.52		6.14		295.11		8.66		90	39.73		clear/N
1225	28.34		7.41		5.49		5.95		297.37		7.48		90	39.73		"
1229	27.91	3%	7.45	0.04	5.47	<1%	5.93	<1%	300.00	4.94	6.49	<10	90	39.73		"
1232	27.62		7.48		5.45		5.91		302.31		7.03		90	39.73		"
															1.2L	"

Stop Purge Time: 1233	Sample Time: 1235	QA/QC Sample Time(s):	1630
	Sample ID: M-52-20200518	QA/QC Sample ID(s):	M-52-20200518-TB21

Observations/Comments

Bottle Set Summary

2	3x VOA w/HCl	1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
1	125 mL w/EDA	1	250 mL Plastic		250 mL w/H_2SO_4	1	250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/13/20	Well ID: M-57A
Field Sampler(s): Andrew Morgan				
Transducer Removal Time: NA	Transducer Redeployment Time: NA		General Well Condition: good	
Depth to Water (ft): 29.11	Screened Interval Top (ft): 22.1		Pump Intake Depth (ft): 35.6	
Well Depth (ft): 42.74	Screened/Open Interval Bottom (ft): 42.1		Well Diameter (in): 2	
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE	GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP	
Y Dedicated Tubing Present? (Y/N)	N New Dedicated Tubing Placed? (Y/N)			
Purge Start Time: 1223				

Time	pH (SU) READ	pH CHANGE	pH (duplicate) READ	pH (duplicate) CHANGE	Conductivity (mS/cm) READ	Conductivity CHANGE	DO (mg/L) READ	DO CHANGE	ORP (mV) READ	ORP CHANGE	Turbidity (NTU) READ	Turbidity CHANGE	Temp (°C)	Depth to Water (ft)	Cum. Vol. Purged (L)	Comments
1225	29.4		7.40		4186		6.80		70.8		138.9		120	29.11	0.24	Wht/cmr
1230	27.3		7.34		3933		5.82		80.0		77.5		240	29.18	1.44	" "
1235	27.2		7.35		3987		5.74		82.2		43.5		240	29.18	2.64	" "
1240	27.3		7.35		3.990		5.64		84.4		29.0		240	29.18	3.84	" "
1243	27.0		7.35		3.966		5.69		86.3		19.5		240	29.18	4.56	" "
1246	26.9		7.35		3.955		5.67		87.2		15.4		240	29.18	5.28	" "
1249	27.1		7.36		3.966		5.67		87.8		13.3		240	29.18	6.0	" "
1252	27.2		7.36		3.983		5.65		88.8		11.2		240	29.18	6.72	" "
1255	27.1	<0.1	7.36	<0.1	3.973	<1%	5.65	no change	89.9	<1 mV	11.0	<3 %	240	29.18	7.44	" "
1258	27.0		7.35		3970		5.65		90.2		10.8		240	29.18	8.16	" "

Stop Purge Time: 1259	Sample Time: 1300	QA/QC Sample Time(s): 1330	
	Sample ID: M-57A-20200513	QA/QC Sample ID(s): M-57A-20200513-EB14	

Observations/Comments

Bottle Set Summary

2	3x VOA w/HCl	1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
1	125 mL w/EDA	1	250 mL Plastic		250 mL w/H_2SO_4	1	250 mL poly w/HNO_3		250 mL Amber Glass w/H_2PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

Page 1 of 1

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/14/20	Well ID: M-64
Field Sampler(s): Dylan Davis				
Transducer Removal Time: NA		Transducer Redeployment Time: NA		General Well Condition: Good
Depth to Water (ft): 26.26		Screened Interval Top (ft): 12.4		Pump Intake Depth (ft): 31 ft
Well Depth (ft): 35.90		Screened/Open Interval Bottom (ft): 37		Well Diameter (in): 2
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE		GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP
X Dedicated Tubing Present? (Y/N)		N New Dedicated Tubing Placed? (Y/N)		
Purge Start Time: 1333				

Time	Temp. (°C)		pH (pH Units)		Conductivity (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*				
1334	31.6		7.46		9.333		4.17		100.7		20.7		200	26.35	0.2	clear/none
1337	27.8		7.22		8.559		1.77		107.5		20.6		120	26.55	0.8	
1340	27.8	\	7.22	\	8.554	\	1.59	\	110.8	\	18.2	\	120	26.62	1.4	
1343	27.8	<1.0%	7.21	<1.0%	8.554	<1.0%	1.55	6%	113.2	4.9	18.9	1.5	120	26.58	2.0	
1346	27.7	✓	7.21	✓	8.507	✓	1.50	✓	115.7	✓	16.7	✓	120	26.56	2.6	↓

Stop Purge Time: 1347	Sample Time: 1350	QA/QC Sample Time(s): NA	
	Sample ID: M-64-20200514	QA/QC Sample ID(s): NA	

Observations/Comments: 30 psi / 11 scfm fill - 4.0 scfm discharge

Bottle Set Summary

2	3x VOA w/HCl		1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4	
1	125 mL w/EDA		1	250 mL Plastic	1	250 mL w/H_2SO_4		250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass	

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

28.60
41.40

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/15/20	Well ID: M-65
Field Sampler(s): Dylan Davis				
Transducer Removal Time:	Transducer Redeployment Time:		General Well Condition: Good	
Depth to Water (ft): 28.60	Screened Interval Top (ft): ~~28.60~~ 16.30		Pump Intake Depth (ft): 35	
Well Depth (ft): 41.40	Screened/Open Interval Bottom (ft): 40.90		Well Diameter (in): 2"	
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE	GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP	
Y Dedicated Tubing Present? (Y/N)	N New Dedicated Tubing Placed? (Y/N)			
Purge Start Time: 0802				

Time	Temp. (°C)		pH (pH Units)		Conductivity (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Purge Rate (ml/min)	Depth to Water (ft) *	Cum. Vol. Purged (L)	Color/Odor
	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*				
0803	25.6		6.95		11.172		2.28		232.6		22.4		120	30.01	0.12	faint yellow/turb
0805	25.8		6.90		11.236		1.08		234.0		15.3		120	30.03	0.72	
0808	25.9	↓	6.89	↓	11.240	↓	1.03	↓	234.9	↓	9.0	↓	120	30.03	1.32	
0811	25.9	0.0	6.89	0.0	11.249	<1.0%	1.01	5.1%	234.0	0.7	8.2	<10	120	30.03	1.92	
0814	25.9	↓	6.89	↓	11.252	↓	0.98	↓	234.2	↓	8.0	↓	120	30.03	2.52	—

Stop Purge Time: 0814	Sample Time: 0815	QA/QC Sample Time(s): —
	Sample ID: M-65-20200515	QA/QC Sample ID(s): —

Observations/Comments: * Water level for purge measured at top of metal stick-up for better accuracy as PVC casing is approx 1.5' down in well protector.

Bottle Set Summary

2	3x VOA w/HCl	1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
1	125 mL w/EDA	1	250 mL Plastic	1	250 mL w/H_2SO_4		250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/15/20	Well ID: M-66
Field Sampler(s): Dylan Davis				
Transducer Removal Time: —	Transducer Redeployment Time: —		General Well Condition: Good	
Depth to Water (ft): 28.89	Screened Interval Top (ft): 20.2		Pump Intake Depth (ft): 35.25	
Well Depth (ft): 39.05	Screened/Open Interval Bottom (ft): 45		Well Diameter (in): 2	
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE	GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP	
Y Dedicated Tubing Present? (Y/N)	N New Dedicated Tubing Placed? (Y/N)			
Purge Start Time: 0902				

Time	Temp. (°C)		pH (pH Units)		Conductivity (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*				
0903	26.7		6.96		12.119		2.98		171.6		12.5		240	28.94	0.24	pale yellow/ clear
0906	26.0		6.80		11.909		1.39		177.4		~~11.8~~		240	28.94	1.44	
0909	26.0		6.79		11.889		0.79		184.1		5.7		240	28.94	2.64	
0912	25.9	\	6.78	\	11.867	\	0.63	\	192.2	\	2.6	\	240	|	3.84	|
0915	25.9	0.0	6.78	0.0	11.863	<1%	0.61	8%	192.8	1.0	2.5	0.1	240	|	5.04	|
0918	25.9	/	6.78	/	11.871	/	0.58	/	193.2	/	2.5	/	240	—	6.24	—

Stop Purge Time: 0918 Sample Time: 0920 QA/QC Sample Time(s): 0920

Sample ID: M-66-20200515 QA/QC Sample ID(s): M-66-20200515-FD15

Observations/Comments Revised dedicated pump as air fitting does not match supplied equipment 50 psi 10 sec fill / 5 sec discharge.

Bottle Set Summary

2	3x VOA w/HCl		1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
1	125 mL w/EDA		1	250 mL Plastic		250 mL w/H_2SO_4		250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring | Task Manager: Jesse Bunkers | Task No: H02 | Date: 5/12/20 | Well ID: M-67

Field Sampler(s): B Chhun

Transducer Removal Time: NA | Transducer Redeployment Time: NA | General Well Condition: good

Depth to Water (ft): (21.82) 21.00 | Screened Interval Top (ft): 9.7 | Pump Intake Depth (ft): 30.35

Well Depth (ft): (40.15) 39.85 | Screened/Open Interval Bottom (ft): 39.7 | Well Diameter (in): 2

Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE | GW Disposal: GW-11 | Equipment Decon. Method: Alconox/DI Rinse SOP

Y Dedicated Tubing Present? (Y/N) | N New Dedicated Tubing Placed? (Y/N)

Purge Start Time: 1305

Time	Temp. (°C) READ	Temp. (°C) CHANGE*	pH (pH Units) READ	pH (pH Units) CHANGE*	Conductivity (mS/cm) READ	Conductivity (mS/cm) CHANGE*	DO (mg/L) READ	DO (mg/L) CHANGE*	ORP (mV) READ	ORP (mV) CHANGE*	Turbidity (NTU) READ	Turbidity (NTU) CHANGE*	Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
1306	30.0		7.30		4.828		2.81		113.9		10.2		160	21.10		clear/N
1309	27.7		7.18		5.664		1.75		121.1		8.6		160	21.10		clear/N
1312	27.3		7.16		5.669		1.49		124.2		8.0		160	21.10		clear/N
1315	27.2	<1%	7.16	<0.01	5.652	<1%	1.32	<5%	127.8	<2	4.7	<10	160	21.10		clear/N
1318	27.4		7.15		5.674		1.29		129.1		4.5		160	21.10		~~clear~~ slight yellow/brown PC/N
1321	27.4		7.15		5.677		1.26		129.8		4.3		160	21.10		~~clear~~ PC/N
															2.6L	slight yellow

Stop Purge Time: 1322 | Sample Time: 1324 | QA/QC Sample Time(s): 1324

Sample ID: M-67-20200512 | QA/QC Sample ID(s): M-67-20200512 – FD11

Observations/Comments

Bottle Set Summary

4	3x VOA w/HCl	2	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4	
2	125 mL w/EDA	2	250 mL Plastic		250 mL w/H_2SO_4	2	250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass	

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:

± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/12/20	Well ID: M-68
Field Sampler(s): BChilson				
Transducer Removal Time: NA		Transducer Redeployment Time: NA		General Well Condition: good
Depth to Water (ft): (26.42) 25.83		Screened Interval Top (ft): 13.2		Pump Intake Depth (ft): 33.80
Well Depth (ft): (44.69) 44.50		Screened/Open Interval Bottom (ft): 41.8		Well Diameter (in): 4
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE		GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP
Y Dedicated Tubing Present? (Y/N)		N New Dedicated Tubing Placed? (Y/N)		
Purge Start Time: 926				

Time	Temp. (°C) READ	Temp. (°C) CHANGE*	pH (pH Units) READ	pH (pH Units) CHANGE*	Conductivity (mS/cm) READ	Conductivity (mS/cm) CHANGE*	DO (mg/L) READ	DO (mg/L) CHANGE*	ORP (mV) READ	ORP (mV) CHANGE*	Turbidity (NTU) READ	Turbidity (NTU) CHANGE*	Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
0931	26.1		7.14		6.925		2.78		158.9		5.4		160	25.60		clear/N
0934	26.1		7.10		7.008		1.43		159.9		4.6		160	25.60		clear/N
0937	26.1		7.10		7.022		1.05		160.7		3.9		160	25.60		clear/N
0940	26.3	<1%	7.10	0%	7.042	<1%	0.88	2%	161.0	0	3.5	<1%	160	25.60		clear/N
0943	26.3		7.10		7.030		0.86		161.0		3.4		160	25.60		clear/N
0946	26.2		7.10		7.013		0.86		161.0		3.5		160	25.60		~~clear~~/N B-light yellow

Stop Purge Time: 0947 | Sample Time: 0950 | QA/QC Sample Time(s): —

Sample ID: M-68-20200512 | QA/QC Sample ID(s): —

Observations/Comments

Bottle Set Summary

2	3x VOA w/HCl	1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4	
1	125 mL w/EDA	1	250 mL Plastic		250 mL w/H_2SO_4	1	250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass	

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/13/20	Well ID: MW-69
Field Sampler(s): A Mann				
Transducer Removal Time: NA	Transducer Redeployment Time: NA		General Well Condition: good	
Depth to Water (ft): 32.11	Screened Interval Top (ft): 21.8		Pump Intake Depth (ft): 36.8	
Well Depth (ft): 41.35	Screened/Open Interval Bottom (ft): 41.2		Well Diameter (in): 2	
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE	GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP	
Y Dedicated Tubing Present? (Y/N)	N New Dedicated Tubing Placed? (Y/N)			
Purge Start Time: 1007				

Time	Temp. (°C) READ	Temp. (°C) CHANGE	pH (+/- 0.1 SU) READ	pH (+/- 0.1 SU) CHANGE	Conductivity (+/- 3%) READ	Conductivity (+/- 3%) CHANGE	DO (mg/L) READ	DO (mg/L) CHANGE	ORP (mV) READ	ORP (mV) CHANGE	Turbidity (NTU) READ	Turbidity (NTU) CHANGE	Purge Rate (mL/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Odors/Color
1009	25.4		7.20		4.556		4.24		66.3		23.0		140	32.48	0.28	none/none
1014	25.4		7.11		4.564		1.43		67.3		14.6		140	32.48	0.98	" "
1017	25.5		7.10		4.567		1.14		69.0		7.7		140	32.48	1.4	" "
1020	25.5		7.10		4.564		1.04		71.0		7.2		140	32.48	1.82	" "
1023	25.4	<1%	7.10	no change	4.556	<1%	0.97	95%	72.6	2.7 mV	5.7	<10 NTU	140	32.48	2.24	" "
1026	25.4		7.10		4.547		0.95		73.7		5.2		140	32.48	2.66	" "

Stop Purge Time: 1027	Sample Time: 1030	QA/QC Sample Time(s): N/A	
	Sample ID: MW69.20200513	QA/QC Sample ID(s): N/A	

Observations/Comments

Bottle Set Summary

2	3x VOA w/HCl	1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
1	125 mL w/EDA	1	250 mL Plastic		250 mL w/H_2SO_4	1	250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5-15-20	Well ID: M-70
Field Sampler(s): Ron Phillips				
Transducer Removal Time: NA		Transducer Redeployment Time: NA		General Well Condition: OK
Depth to Water (ft): 32.15		Screened Interval Top (ft): 16.8		Pump Intake Depth (ft): Dedicated pump, 36'
Well Depth (ft): 42		Screened/Open Interval Bottom (ft): 41.5		Well Diameter (in): 2"
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE		GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP ✓ (WL meter)
Y Dedicated Tubing Present? (Y/N)		N New Dedicated Tubing Placed? (Y/N)		Dedicated pump present
Purge Start Time: 11:32				

Time	Temp. (°C)		pH (pH Units)		Conductivity (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*				
1136	26.4		7.21		8.816		5.84		198.7		4.3		120	32.20		Pale Yellow/None
1141	26.1		7.27		8.629		6.50		206.9		3.7		165	32.20		
1144	25.6		7.34		8.611		6.83		210.3		3.6		240	32.20		
1147	25.6		7.37		8.621		6.80		214.3		3.1		240	32.20		
1151	25.6		7.37		8.631		6.75		216.7		3.1		240	32.20		
1155	25.5		7.38		8.631		6.78		218.9		3.0		240	32.20		
1159	25.6	<1%	7.39	0.02	8.637	<1%	6.85	1.5%	220.3	3.6 mV	2.9	All < 10 NTU	240	32.20	6	↓

Stop Purge Time: 12:00	Sample Time: 12:05	QA/QC Sample Time(s): NA	
	Sample ID: M-70-20200515	QA/QC Sample ID(s): NA	

Observations/Comments

Pump settings Refill 10 s, Disch 10 sec, pressure ~35 psi

Bottle Set Summary

2	3x VOA w/HCl	1	125 mL Plastic sterile		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
1	125 mL w/EDA	1	250 mL Plastic		250 mL w/H_2SO_4	1	250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5-15-20	Well ID: M-71
Field Sampler(s): Ron Phillips				
Transducer Removal Time: 0921		Transducer Redeployment Time: 11:11		General Well Condition: Good.
Depth to Water (ft): 34.80		Screened Interval Top (ft): 19.7		Pump Intake Depth (ft): 39.6
Well Depth (ft): 44.90		Screened/Open Interval Bottom (ft): 44.2		Well Diameter (in): 2"
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE		GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP
N Dedicated Tubing Present? (Y/N)		Y New Dedicated Tubing Placed? (Y/N)		→ Removed to replace transducer. Put into bag for off-site storage
Purge Start Time: 0942				

Time	Temp. (°C)		pH (pH Units)		Conductivity (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*				
0948	26.4		6.87		9.103		2.77		197.7		4.5		110	35.80		Pale yellow
0953	26.0		6.87		9.622		2.77		202.4		4.8		110	35.80		
0958	25.9		6.88		9.614		2.39		206.2		3.3		120	35.80		
1002	25.9		6.88		9.616		3.05		207.7		3.0		120	35.82		
1006	25.9		6.87		9.629		4.34		210.5		2.7		140	35.81		
1011	25.8		6.86		9.619		3.53		213.1		2.6		140	35.81		
1015	25.9		6.86		9.621		3.30		214.9		2.6		140	35.80		
1020	25.9		6.86		9.624		1.54		215.9		2.6		140	35.80		
1025	25.8		6.86		9.625		1.51		217.4		2.6		140	35.80		
1029	25.9	<1%	6.86	No change	9.616	<1%	1.51	2%	218.4	2.5 mV	2.6	No change	140	35.83	5 3/4	

Stop Purge Time: 10:30	Sample Time: 10:35	QA/QC Sample Time(s): NA	
	Sample ID: M-71-20200515	QA/QC Sample ID(s): NA	

Observations/Comments

Pump settings 5/15/20: Refill 10s, Disch 5 sec, Pressure 30 psi

Bottle Set Summary

2	3x VOA w/HCl		1	125 mL Plastic sterile		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
1	125 mL w/EDA		1	250 mL Plastic		250 mL w/H_2SO_4	1	250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/14/20	Well ID: M-72
Field Sampler(s): Dylan Davis				
Transducer Removal Time: —		Transducer Redeployment Time: —		General Well Condition: Good
Depth to Water (ft): 31.30		Screened Interval Top (ft): 11.6		Pump Intake Depth (ft): 33.8
Well Depth (ft): 36.75		Screened/Open Interval Bottom (ft): 36.3		Well Diameter (in): 2
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE		GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP
X Dedicated Tubing Present? (Y/N)		X New Dedicated Tubing Placed? (Y/N)	Permanent pump in well does not reach into correct spot in water column for sampling; replaced tubing	
Purge Start Time: 1201				

Time	Temp. (°C) READ	Temp. (°C) CHANGE*	pH (pH Units) READ	pH (pH Units) CHANGE*	Conductivity (mS/cm) READ	Conductivity (mS/cm) CHANGE*	DO (mg/L) READ	DO (mg/L) CHANGE*	ORP (mV) READ	ORP (mV) CHANGE*	Turbidity (NTU) READ	Turbidity (NTU) CHANGE*	Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
1204	29.1		7.09		12.953		3.80		30.5		6.5		120	31.60	0.12	yellowish tint/more
1207	28.2		6.91		12.711		1.75		138.0		5.5		<20	31.60	1.12	
1210	27.9		6.89		12.634		1.44		141.1		4.2		50mL	31.65	1.37	
1213	27.7	1.1%	6.88	<1.0%	12.561	<1.0%	1.33	9.0%	143.8	3.5	3.5	0.7	50mL	31.70	1.62	
1216	27.6	✓	6.88	✓	12.534	✓	1.31	✓	144.9	✓	3.5	✓	50mL	31.82	1.87	

Stop Purge Time: 1217 Sample Time: 1220 QA/QC Sample Time(s): N/A

Sample ID: M-72-20200514 QA/QC Sample ID(s): N/A

Observations/Comments: Pump in place in well does not sit within water column, removed pump and sampled using portable equipment. left appropriate ~~amount~~ amount of tubing in well. 20 psi 1l fill / 4 discharge

Bottle Set Summary

2	3x VOA w/HCl		1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
	125 mL w/EDA		1	250 mL Plastic		250 mL w/H_2SO_4		250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:

± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/11/20	Well ID: M-73
Field Sampler(s): A Emmett				
Transducer Removal Time: NA		Transducer Redeployment Time: NA		General Well Condition: Good
Depth to Water (ft): 30.16 (30.48)		Screened Interval Top (ft): 14.75		Pump Intake Depth (ft): 34.6
Well Depth (ft): 39.03 (39.3)		Screened/Open Interval Bottom (ft): 39.8		Well Diameter (in): 2
Pump/Tubing Type: QED Bladder Pump & TUPERLOPE		GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP
Y Dedicated Tubing Present? (Y/N)		N New Dedicated Tubing Placed? (Y/N)		
Purge Start Time: 0750				

Time	Temp. (°C)		pH (pH Units)		Conductivity (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*				
0757	27.5		7.50		7.702		2.12		115.5		3.90		90	30.38	0.63	N/N
0800	27.1		7.50		7.686		1.43		117.8		3.70		90	30.45	0.90	Grn/N
0803	27.1		7.50		7.685		1.16		119.8		4.54		90	30.60	1.17	Grn/N
0806	27.1	0	7.50	0	7.682	0.003%	1.03	26%	121.6	1.8	4.86	<10	90	30.66	1.44	Grn/N

Stop Purge Time: 0808 Sample Time: 0815 QA/QC Sample Time(s): NA

Sample ID: M-73-20200511 QA/QC Sample ID(s): NA

Observations/Comments: Tubing = 39 ft x 10 mL/ft = 390 mL } 470 mL Purged system volume due to drawdown
Pump = 80 mL

Bottle Set Summary

2	3x VOA w/HCl	1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4	
1	125 mL w/EDA	1	250 mL Plastic		250 mL w/H_2SO_4	1	250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass	

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/12/20	Well ID: M-74
Field Sampler(s): CH2M/KHO				
Transducer Removal Time: N/A		Transducer Redeployment Time: N/A		General Well Condition: GOOD
Depth to Water (ft): 27.66 (28.23)		Screened Interval Top (ft): 2		Pump Intake Depth (ft): 35
Well Depth (ft): 41.75 (41.86)		Screened/Open Interval Bottom (ft): 41.6		Well Diameter (in): 2
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE		GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP
Dedicated Tubing Present? (Y/N)		New Dedicated Tubing Placed? (Y/N)		
Purge Start Time: 1044				

Time	Temp. (°C) READ	Temp. (°C) CHANGE*	pH (pH Units) READ	pH (pH Units) CHANGE*	Conductivity (mS/cm) READ	Conductivity (mS/cm) CHANGE*	DO (mg/L) READ	DO (mg/L) CHANGE*	ORP (mV) READ	ORP (mV) CHANGE*	Turbidity (NTU) READ	Turbidity (NTU) CHANGE*	Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
1052	24.6		7.33		6.767		3.59		120.8		8.80		300	27.80	0.9	N/N
1055	26.3		7.29		6.760		3.41		120.3		7.96		300	27.87	1.8	N/N
1058	26.4		7.29		6.763		3.52		119.1		7.36		300	27.87	2.7	N/N
1101	26.3		7.29		6.762		3.61		118.1		5.94		300	27.87	3.6	N/N
1104	26.6		7.28		6.763		3.48		116.3		4.71		300	27.87	4.5	N/N
1107	26.5		7.27		6.768		3.28		114.6		4.59		300	27.87	5.4	N/N
1110	26.6		7.26		6.764		3.12		112.5		2.49		300	27.87	6.3	N/N
1113	26.4	0.8%	7.25	0.02	6.763	0.1%	3.01	8.9%	111.6	3mV	2.12	<10 NTU	300	27.87	7.2	N/N

Stop Purge Time: 1114	Sample Time: 1120	QA/QC Sample Time(s): —	
	Sample ID: M-74-122005.12	QA/QC Sample ID(s): —	

Observations/Comments

Bottle Set Summary

2	3x VOA w/HCl	1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4	
1	125 mL w/EDA	1	250 mL Plastic		250 mL w/H_2SO_4	1	250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass	

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/13/20	Well ID: M-75
Field Sampler(s): DeAnn				
Transducer Removal Time: NA		Transducer Redeployment Time: NA		General Well Condition: good
Depth to Water (ft): (41.77) 40.51		Screened Interval Top (ft): 36.7		Pump Intake Depth (ft): 45.95
Well Depth (ft): (53.8) 53.78		Screened/Open Interval Bottom (ft): 51.4		Well Diameter (in): 2
Pump/Tubing Type: QED Bladder Pump & TUPE/LDPE		GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP
Y Dedicated Tubing Present? (Y/N)		N New Dedicated Tubing Placed? (Y/N)		
Purge Start Time: 1047				

Time	Temp (°C) READ	Temp (°C) CHANGE	pH (pH Units) READ	pH (pH Units) CHANGE	Conductivity (mS/cm) READ	Conductivity (mS/cm) CHANGE	DO (mg/L) READ	DO (mg/L) CHANGE	ORP (mV) READ	ORP (mV) CHANGE	Turbidity (NTU) READ	Turbidity (NTU) CHANGE	Purge Rate (mL/min)	Depth to Water (ft)	Cumulative Purged (L)	Observations
1044	28.3		7.87		6.778		6.49		79.3		19.6		200	40.59		Clear/N
1047	26.9		7.59		5.999		5.69		95.5		22.5		200	40.59		Clear/N
1050	25.7		7.44		5.785		5.31		115.6		9.2		200	40.59		clear/N
1053	26.6		7.41		5.713		5.26		128.2		7.3		200	40.59		clear/N
1056	25.7	21%	7.36	0.06	5.678	1%	5.30	1%	134.0	8.3	6.4	21%	200	40.59		clear/N
1059	25.7		7.35		5.656		5.31		136.5		5.9		200	40.59	3.4L	clear/N

Stop Purge Time: 1101 Sample Time: 1102 QA/QC Sample Time(s): —

Sample ID: M-75-20200513 QA/QC Sample ID(s): —

Observations/Comments

Bottle Set Summary

2	3x VOA w/HCl	1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
1	125 mL w/EDA	1	250 mL Plastic		250 mL w/H_2SO_4	1	250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/13/20	Well ID: M-76
Field Sampler(s): Bchtun				
Transducer Removal Time: NA		Transducer Redeployment Time: NA		General Well Condition: good
Depth to Water (ft): (37.75) 38.83		Screened Interval Top (ft): 38.1		Pump Intake Depth (ft): 45.8
Well Depth (ft): (54.85) 54.80		Screened/Open Interval Bottom (ft): 54.7 52.8 bc		Well Diameter (in): 2
Pump/Tubing Type: QED Bladder Pump & TUPE/LDPE		GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP
Y Dedicated Tubing Present? (Y/N)		N New Dedicated Tubing Placed? (Y/N)		
Purge Start Time: 1137				

Time	Temp (°C) READ	Temp (°C) CHANGE*	pH (SU Units) READ	pH (SU Units) CHANGE*	Conductivity (mS/cm) READ	Conductivity (mS/cm) CHANGE*	DO (mg/L) READ	DO (mg/L) CHANGE*	ORP (mV) READ	ORP (mV) CHANGE*	Turbidity (NTU) READ	Turbidity (NTU) CHANGE*	Purge Rate (mL/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Sample Color
1139	35.1		7.29		0.023		6.93		108.8		9.0		100	38.85		clear/N
1142	27.8		7.90		6.113		4.51		96.5		7.0		100	38.96		clear/N
1145	27.4		6.3 7.49		6.065		4.10		106.3		6.1		100	39.00		clear/N
1148	27.2		7.48		6.029		3.82		116.5		9.7		100	39.07		clear/N
1151	27.3	0	7.48	0	6.044	0.16	3.74	0.6	121.3	4.1	9.2	0.5	100	39.09		clear/N
1154	27.3		7.48		6.033		3.69		103.7		9.9		100	39.10		clear/N
1157	27.3		7.48		6.032		3.65		125.4		9.2		100	39.10	2.0L	clear/N

Stop Purge Time: 1158	Sample Time: 12.00	QA/QC Sample Time(s): — N/A
	Sample ID: M-76-20200513	QA/QC Sample ID(s): — N/A

Observations/Comments

Bottle Set Summary

2	1x VOA w/HCl	1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
1	125 mL w/EDA	1	250 mL Plastic		250 mL w/H_2SO_4	1	250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/14/20	Well ID: M-77R
Field Sampler(s): Crockett				
Transducer Removal Time: N/A		Transducer Redeployment Time:		General Well Condition: GOOD
Depth to Water (ft): 54.95 (37.07)		Screened Interval Top (ft): 32.6		Pump Intake Depth (ft): 47
Well Depth (ft): 44.69 (44.05)		Screened/Open Interval Bottom (ft): 47.4		Well Diameter (in): 2
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE		GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP
N Dedicated Tubing Present? (Y/N)		Y New Dedicated Tubing Placed? (Y/N)		
Purge Start Time: 1229				

Time	Temp. (°C)		pH (pH Units)		Conductivity (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*				
1229	Recheck DTW Since Δ from historical >2 ft													54.96		
1232	33.8		7.40		3.774		3.48		132.7		7.06		100	34.97	0.3	N/N
1234	30.3		7.10		3.753		1.34		141.9		9.15		100	34.97	0.8	N/N
1240	30.4		7.09		3.750		1.31		143.2		7.03		100	39.97	1.10	N/N
1243	30.3		7.09		3.752		1.16		142.3		7.14		100	39.97	1.40	N/N
1246	30.2		7.08		3.744		1.09		139.5		7.88		100	34.97	1.7	N/N
1249	30.2	0.3%	7.08	0.01	3.742	0.3%	1.11	7.4%	136.8	5.5	6.73	<10NTU	100	34.97	2.0	N/N

Stop Purge Time: 1250	Sample Time: 1300	QA/QC Sample Time(s): N/A	
	Sample ID: M-77R-20200514	QA/QC Sample ID(s): N/A	

Observations/Comments

maint

Bottle Set Summary

2	3x VOA w/HCl	1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4	
1	125 mL w/EDA	1	250 mL Plastic		250 mL w/H_2SO_4	1	250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass	

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/13/20	Well ID: M-79
Field Sampler(s): A. Morgan				
Transducer Removal Time: NA	Transducer Redeployment Time: NA		General Well Condition: Good	
Depth to Water (ft): 24.21	Screened Interval Top (ft): 12.4		Pump Intake Depth (ft): 33.1	
Well Depth (ft): 40.11	Screened/Open Interval Bottom (ft): 37		Well Diameter (in): 2	
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE	GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP	
Y Dedicated Tubing Present? (Y/N)	N New Dedicated Tubing Placed? (Y/N)			
Purge Start Time: 1114				

Time	Temp. (°C) READ	Temp. (°C) CHANGE	pH (SU) READ	pH (SU) CHANGE	Specific Conductivity (mS/cm) READ	Specific Conductivity (mS/cm) CHANGE	DO (mg/L) READ	DO (mg/L) CHANGE	ORP (mV) READ	ORP (mV) CHANGE	Turbidity (NTU) READ	Turbidity (NTU) CHANGE	Pump Flow Rate (mL/min)	Depth to Water (ft)	Cumul. Vol. Purged (L)	Color/Odor
1116	27.1		7.25		4.449		7.96		72.4		45		160	29.28	0.32	none/none
1119	26.1		7.12		4.860		1.47		74.0		7.3		160	29.28	0.8	" "
1122	26.3		7.14		4.869		1.06		73.6		9.6		160	29.28	1.12	" "
1125	26.3	L1°	7.15	L0.1	4.862	L1%	0.96	L3%	73.4	L0.1 mV	4.7	L10 NTU	160	29.29	1.44	" "
1128	26.3		7.14		4.859		0.95		73.4		5.9		160	29.29	1.76	" "
1131	26.5		7.14		4.877		0.92		73.3		5.1		160	29.29	2.12	" "

Stop Purge Time: 1132	Sample Time: 1135	QA/QC Sample Time(s): N/A
	Sample ID: M-79-20200513	QA/QC Sample ID(s): N/A

Observations/Comments

Bottle Set Summary

2	3x VOA w/HCl	1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4	
1	125 mL w/EDA	1	250 mL Plastic		250 mL w/H_2SO_4	1	250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass	

*INDICATOR PARAMETERS HAVE STABILIZED WHEN 3 **CONSECUTIVE** READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/13/20
Well ID: M-80			
Field Sampler(s): [illegible]			
Transducer Removal Time: N/A	Transducer Redeployment Time: N/A	General Well Condition: GOOD	
Depth to Water (ft): 36.71 (35.11)	Screened Interval Top (ft): 13.6	Pump Intake Depth (ft): dedicated pump 40.5	
Well Depth (ft): 43.61 (43.65)	Screened/Open Interval Bottom (ft): 43.6	Well Diameter (in): 4	
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE	GW Disposal: GW-11	Equipment Decon. Method: Alconox/DI Rinse SOP	
4 Dedicated Tubing Present? (Y/N)	N New Dedicated Tubing Placed? (Y/N)		
Purge Start Time: 0724			

Time	Temp (°C)		pH (Std. Units)		Conductivity (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Purge Rate (mL/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
	1st Reading	2nd Reading	1st Reading	2nd Reading	1st Reading	2nd Reading	1st Reading	2nd Reading	1st Reading	2nd Reading	1st Reading	2nd Reading				
0727	24.3		7.01		7.170		1.12		149.2		0.47		270	36.80	10.81	Grn/None
0730	24.1		7.01		7.193		0.91		146.2		0.28		60	36.72	0.99	Grn/N
0733	23.6		7.09		7.180		1.55		145.0		0.13		110	36.82	1.32	Grn/N
0737	24.0		7.11		7.190		1.20		144.9		0.10		110	36.82	1.76	Grn/N
0740	24.1		7.11		7.176		1.04		145.0		0.14		90	36.83	2.03	Grn/N
0743	24.1		7.12		7.181		1.03		145.2		0.07		90	36.83	2.30	Grn/N
0746	24.2	0.4%	7.12	0.01	7.176	0.1%	1.03	1.0%	145.5	0.5mV	0.18	<10 NTU	90	36.83	2.57	Grn/N

Stop Purge Time: 0749 Sample Time: 0805 QA/QC Sample Time(s): 0805

Sample ID: M-80-20200513 QA/QC Sample ID(s): M-80-20200513-FD4

Observations/Comments: Measurements from top of steel casing; distance from top of steel to top of inner casing = 2 ft

Bottle Set Summary

4	1x VOA w/HCl	2	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4	
2	125 mL w/EDA	4	250 mL Plastic		250 mL w/H_2SO_4	2	250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass	

*INDICATOR PARAMETERS HAVE STABILIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring | Task Manager: Jesse Bunkers | Task No: H02 | Date: 5/12/2020 | Well ID: M-81A

Field Sampler(s): Crockett

Transducer Removal Time: N/A | Transducer Redeployment Time: N/A | General Well Condition: GOOD - NO J PLUG, JUST PIECE OF METAL.

Depth to Water (ft): 33.41 (33.92) | Screened Interval Top (ft): 31.1 | Pump Intake Depth (ft): 37

Well Depth (ft): 42.41 (44.02) | Screened/Open Interval Bottom (ft): 41.1 | Well Diameter (in): 3

Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE | GW Disposal: GW-11 | Equipment Decon. Method: Alconox/DI Rinse SOP

Y Dedicated Tubing Present? (Y/N) | N New Dedicated Tubing Placed? (Y/N)

Purge Start Time: 1206

Time	Temp. (°C) READ	Temp. (°C) CHANGE*	pH (pH Units) READ	pH (pH Units) CHANGE*	Conductivity (mS/cm) READ	Conductivity (mS/cm) CHANGE*	DO (mg/L) READ	DO (mg/L) CHANGE*	ORP (mV) READ	ORP (mV) CHANGE*	Turbidity (NTU) READ	Turbidity (NTU) CHANGE*	Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
1208														33.71		N/N
1209	28.1		7.38		4.777		1.96		157.8		3.27		180	33.70	0.54	N/N
1212	27.4		7.34		4.765		0.84		156.5		2.05		180	33.71	1.08	N/N
1215	27.3		7.33		4.793		0.62		155.5		1.86		180	33.72	1.62	N/N
1218	27.2		7.32		4.837		0.50		154.3		1.43		180	33.72	2.16	N/N
1221	27.1		7.31		4.851		0.48		152.9		1.16		180	33.75	2.70	N/N
1224	27.0	0.7%	7.31	0.01	4.880	1.0%	0.44	<0.5	151.9	2.4	1.32	<10	180	33.73	3.24	N/N

Stop Purge Time: 1225 | Sample Time: 1230 | QA/QC Sample Time(s): —

Sample ID: M-81A-20200512 | QA/QC Sample ID(s): —

Observations/Comments:

Bottle Set Summary

2	3x VOA w/HCl		1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
1	125 mL w/EDA		1	250 mL Plastic		250 mL w/H_2SO_4	1	250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:

± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/13/20	Well ID: M-83
Field Sampler(s): BC Shea				
Transducer Removal Time: NA	Transducer Redeployment Time: NA		General Well Condition: good	
Depth to Water (ft): (29.04) 29.00	Screened Interval Top (ft): 14		Pump Intake Depth (ft): 36.0	
Well Depth (ft): (43.21) 43.17	Screened/Open Interval Bottom (ft): 43.5		Well Diameter (in): 2	
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE	GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP	
Y Dedicated Tubing Present? (Y/N)	N New Dedicated Tubing Placed? (Y/N)			
Purge Start Time: 0707				

Time	Temp (°C) Reading	Temp (°C) Change*	pH (pH Units) Reading	pH (pH Units) Change*	Conductivity (mS/cm) Reading	Conductivity (mS/cm) Change*	DO (mg/L) Reading	DO (mg/L) Change*	ORP (mV) Reading	ORP (mV) Change*	Turbidity (NTU) Reading	Turbidity (NTU) Change*	Purge Rate (mL/min)	Depth to Water (ft)	Gal. Vol. Purged (L)	Observations
0710	21.8		7.24		3.584		4.98		211.7		8.1		160	29.10		clear/N
0713	22.4		7.25		4.650		1.92		211.8		7.5		160	29.10		clear/N
0716	22.6		7.31		4.559		1.28		206.7		12.2		160	29.10		clear/N
0719	22.7		7.34		4.323		1.35		204.1		17.9		160	29.10		clear/N
0722	22.6		7.41		3.794		1.69		194.5		11.4		160	29.10		clear/N
0725	22.5		7.51		3.031		2.21		196.4		8.3		160	29.10		clear/N
0728	22.5		7.56		2.660		2.46		191.7		6.2		160	29.10		clear/N
0731	22.5	<1%	7.56	0.06	2.275	3%	2.64	2%	188.8	1.3	4.5	<10	160	29.10		clear/N
0734	22.5		7.58		2.180		2.68		187.9		3.9		160	29.10		clear/N
0737	22.4		7.62		2.2146 BL		2.69		187.5		3.5		160	29.10	4.8L	clear/N

Stop Purge Time: 0738	Sample Time: 0740	QA/QC Sample Time(s): 0630
	Sample ID: M-83-20200513	QA/QC Sample ID(s): M-83-20200513-TB16

Observations/Comments

Bottle Set Summary

4	3x VOA w/HCl	1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
1	125 mL w/EDA	1	250 mL Plastic		250 mL w/H_2SO_4	1	250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/18/20	Well ID: M-92
Field Sampler(s): Andrew Morgan				
Transducer Removal Time: NA	Transducer Redeployment Time: NA		General Well Condition: good	
Depth to Water (ft): 35.17	Screened Interval Top (ft): ~~37.4~~ 37.4		Pump Intake Depth (ft): 42.4	
Well Depth (ft): 48.26	Screened/Open Interval Bottom (ft): 47.4		Well Diameter (in): 2	
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE	GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP	
Y Dedicated Tubing Present? (Y/N)	N New Dedicated Tubing Placed? (Y/N)			
Purge Start Time: 0744				

Time	Temp. (°C) READ	Temp. (°C) CHANGE*	pH (pH Units) READ	pH (pH Units) CHANGE*	Conductivity (mS/cm) READ	Conductivity (mS/cm) CHANGE*	DO (mg/L) READ	DO (mg/L) CHANGE*	ORP (mV) READ	ORP (mV) CHANGE*	Turbidity (NTU) READ	Turbidity (NTU) CHANGE*	Purge Rate (mL/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
0746	24.3		7.63		2.762		8.05		132.7		30.1		200	35.21	0.4	none/none
0751	24.2		7.57		2.768		7.88		140.3		16.8		240	35.25	1.6	" "
0756	24.2		7.57		2.799		7.65		145.3		9.8		240	35.25	2.8	" "
0759	24.3		7.56		2.819		7.98		149.2		6.9		240	35.25	~~4.0~~ 3.52	" "
0802	24.3	<0.1	7.56	No change	2.829	<0.1	7.92	<0.1	151.9	5.6 mV	7.4	<10 NTU	240	35.25	4.24	" "
0805	24.2		7.56		2.834		7.88		155.0		9.0		240	35.25	4.96	" "

Stop Purge Time: 0806	Sample Time: 0807	QA/QC Sample Time(s): NA
	Sample ID: M-92-20200518	QA/QC Sample ID(s): NA

Observations/Comments: gauged w/ interface probe. NAPL not detected.

Bottle Set Summary

2	3x VOA w/HCl	1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
1	125 mL w/EDA	1	250 mL Plastic		250 mL w/H_2SO_4	1	250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/14/20	Well ID: M-93
Field Sampler(s): A Morgan				
Transducer Removal Time: NA		Transducer Redeployment Time: NA		General Well Condition: good
Depth to Water (ft): 34.38		Screened Interval Top (ft): 35.3		Pump Intake Depth (ft): 40.3
Well Depth (ft): 45.25		Screened/Open Interval Bottom (ft): 45.3		Well Diameter (in): 2
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE		GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP
Y Dedicated Tubing Present? (Y/N)		N New Dedicated Tubing Placed? (Y/N)		
Purge Start Time: 0726				

Time	Temp. (°C)		pH (pH Units)		Conductivity (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*				
0728	23.5		7.44		3.439		7.84		110.2		104.6		80	34.41	0.16	white/none
0733	24.1		7.42		3.534		7.53		103.7		81.5		80	34.41	0.56	" "
0738	24.4		7.39		3.537		7.39		106.6		39.3		160	34.45	1.36	" "
0743	24.5		7.45		3.563		7.31		111.2		24.1		200	34.46	2.36	" "
0746	24.5		7.45		3.565		7.32		112.7		21.8		200	34.46	2.96	none/none
0749	24.5	No change	7.45	No change	3.570	<1%	7.26	<1%	114.1	2%	20.4	9.5%	200	34.46	3.56	" "
0752	24.5		7.45		3.573		7.29		114.9		19.9		200	34.46	4.16	" "

Stop Purge Time: 0753	Sample Time: 0755	QA/QC Sample Time(s): N/A	
	Sample ID: M-93-20200514	QA/QC Sample ID(s): N/A	

Observations/Comments gauged w/ interface probe. no NAPL detected.

Bottle Set Summary

2	3x VOA w/HCl	1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
1	125 mL w/EDA	1	250 mL Plastic		250 mL w/H_2SO_4		250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: May 19 2020	Well ID: M-95
Field Sampler(s): Ron Phillips				
Transducer Removal Time: NA	Transducer Redeployment Time: NA			General Well Condition: Good
Depth to Water (ft): 18.87	Screened Interval Top (ft): 11			Pump Intake Depth (ft): Not sampled - insufficient water
Well Depth (ft): 20.27	Screened/Open Interval Bottom (ft): 21			Well Diameter (in): 2"
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE	GW Disposal: GW-11			Equipment Decon. Method: Alconox/DI Rinse SOP
N Dedicated Tubing Present? (Y/N)	N New Dedicated Tubing Placed? (Y/N)			
Purge Start Time:				

Time	Temp. (°C)		pH (pH Units)		Conductivity (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*				

INSUFFICIENT WATER

Stop Purge Time:	Sample Time:	QA/QC Sample Time(s):
	Sample ID:	QA/QC Sample ID(s):

Observations/Comments

Bottle Set Summary

	3x VOA w/HCl		125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4	
	125 mL w/EDA		250 mL Plastic		250 mL w/H_2SO_4		250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass	

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/21/20	Well ID: M-96
Field Sampler(s): Andrew Morgan				
Transducer Removal Time: NA		Transducer Redeployment Time: NA		General Well Condition: Poor (see comments)
Depth to Water (ft): DRY		Screened Interval Top (ft): 10.2		Pump Intake Depth (ft): —
Well Depth (ft): 16.75		Screened/Open Interval Bottom (ft): 20.2		Well Diameter (in): 2
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE		GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP
___ Dedicated Tubing Present? (Y/N)		___ New Dedicated Tubing Placed? (Y/N)		
Purge Start Time:				

Time	Temp. (°C)		pH (pH Units)		Conductivity (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*				

DRY

Stop Purge Time:	Sample Time:	QA/QC Sample Time(s):
	Sample ID:	QA/QC Sample ID(s):

Observations/Comments: Disabled vehicle partially covering well. Well lid missing. casing appears slightly bent.

Bottle Set Summary

	3x VOA w/HCl		125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4	
	125 mL w/EDA		250 mL Plastic		250 mL w/H_2SO_4		250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass	

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 **CONSECUTIVE READINGS** ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring | Task Manager: Jesse Bunkers | Task No: H02 | Date: 5/11/20 | Well ID: M-97

Field Sampler(s): A Morgan

Transducer Removal Time: NA | Transducer Redeployment Time: NA | General Well Condition: Good

Depth to Water (ft): 39.17 | Screened Interval Top (ft): 37.4 | Pump Intake Depth (ft): 43.3

Well Depth (ft): 47.81 | Screened/Open Interval Bottom (ft): 47.4 | Well Diameter (in): 2

Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE | GW Disposal: GW-11 | Equipment Decon. Method: Alconox/DI Rinse SOP

Y Dedicated Tubing Present? (Y/N) | N New Dedicated Tubing Placed? (Y/N)

Purge Start Time: 0845

Time	Temp. (°C) READ	Temp. (°C) CHANGE*	pH (pH Units) READ	pH (pH Units) CHANGE*	Conductivity (mS/cm) READ	Conductivity (mS/cm) CHANGE*	DO (mg/L) READ	DO (mg/L) CHANGE*	ORP (mV) READ	ORP (mV) CHANGE*	Turbidity (NTU) READ	Turbidity (NTU) CHANGE*	Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
0847	25.1		7.49		4.598		6.23		101.7		30.3		200	39.25		none/none
0850	25.1		7.41		4.597		5.76		109.1		12.4		200	39.23		" "
0853	25.1		7.40		4.601		5.73		110.5		8.6		200	39.27		" "
0856	25.2	<1%	7.39	<0.1	4.610	<1%	5.70	<1%	113.5	<4.8 mV	6.5	<10 NTU	200	39.23		" "
0859	25.3		7.39		4.613		5.69		115.3		6.0		200	39.25	2.8L	" "

Stop Purge Time: 900 | Sample Time: 0902 | QA/QC Sample Time(s): N/A

Sample ID: M-97-20200514 | QA/QC Sample ID(s): N/A

Observations/Comments

Bottle Set Summary

2	3x VOA w/HCl		1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
1	125 mL w/EDA		1	250 mL Plastic		250 mL w/H_2SO_4	1	250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:

± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Burkes	Task No: H02	Date: 5/11/20	Well ID: M-98
Field Sampler(s): J. Masters				
Transducer Removal Time:		Transducer Redeployment Time:		General Well Condition: Good
Depth to Water (ft): ~~33.54~~ 32.52		Screened Interval Top (ft): 19.5		Pump Intake Depth (ft): NA
Well Depth (ft): 33.54		Screened/Open Interval Bottom (ft): 29.5		Well Diameter (in): 2
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE		GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP
___ Dedicated Tubing Present? (Y/N)		___ New Dedicated Tubing Placed? (Y/N)		
Purge Start Time:				

Time	Temp. (°C)		pH (pH Units)		Conductivity (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*				

Stop Purge Time:	Sample Time:	QA/QC Sample Time(s):
	Sample ID:	QA/QC Sample ID(s):

Observations/Comments: Insufficient water to sample

Bottle Set Summary

	3x VOA w/HCl		125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4	
	125 mL w/EDA		250 mL Plastic		250 mL w/H_2SO_4		250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass	

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring | Task Manager: Jesse Bunkers | Task No: H02 | Date: 5/12/20 | Well ID: M-99

Field Sampler(s): J. Masters

Transducer Removal Time: n/a | Transducer Redeployment Time: n/a | General Well Condition: Good

Depth to Water (ft): 33.00 | Screened Interval Top (ft): 17.8 | Pump Intake Depth (ft): 32.9

Well Depth (ft): 35.2 | Screened/Open Interval Bottom (ft): 32.8 | Well Diameter (in): 2

Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE | GW Disposal: GW-11 | Equipment Decon. Method: Alconox/DI Rinse SOP

Dedicated Tubing Present? (Y/N) | New Dedicated Tubing Placed? (Y/N)

Purge Start Time: 0733

Time	Temp. (°C) READ	Temp. (°C) CHANGE*	pH (pH Units) READ	pH (pH Units) CHANGE*	Conductivity (mS/cm) READ	Conductivity (mS/cm) CHANGE*	DO (mg/L) READ	DO (mg/L) CHANGE*	ORP (mV) READ	ORP (mV) CHANGE*	Turbidity (NTU) READ	Turbidity (NTU) CHANGE*	Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
0738	22.5		7.46		4.359		5.00		159.6		6.91		120	33.1	1.6	clear/none
0743	22.4		7.47		4.340		4.78		166.2		2.34		120	33.1	1.2	clear/none
0748	22.4		7.46		4.335		4.52		171.0		1.70		120	33.1	1.8	clear/none
0753	22.4		7.46		4.338		4.49		172.4		1.35		120	33.1	2.4	clear/none
0758	22.4	0%	7.46	0%	4.336	0.02%	4.47	1.1%	173.2	2mV	1.24	≤10 NTU	120	33.1	3.0	clear/none

Stop Purge Time: 0759 | Sample Time: 0800 | QA/QC Sample Time(s): —

Sample ID: M-99-20200512 | QA/QC Sample ID(s): —

Observations/Comments

Bottle Set Summary

2	3x VOA w/HCl		1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
1	125 mL w/EDA		1	250 mL Plastic		250 mL w/H_2SO_4	1	250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/11/20	Well ID: M-100
Field Sampler(s): Bechtum				
Transducer Removal Time: NA	Transducer Redeployment Time: NA		General Well Condition: Good	
Depth to Water (ft): (Dry)	Screened Interval Top (ft): 21		Pump Intake Depth (ft): NA	
Well Depth (ft): (33.3) 33.39	Screened/Open Interval Bottom (ft): 31		Well Diameter (in): 2	
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE	GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP	
___ Dedicated Tubing Present? (Y/N)	___ New Dedicated Tubing Placed? (Y/N)			
Purge Start Time:				

Time	Temp. (°C)		pH (pH Units)		Conductivity (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*				

DRY

Stop Purge Time:	Sample Time:	QA/QC Sample Time(s):
	Sample ID:	QA/QC Sample ID(s):

Observations/Comments

Bottle Set Summary

	3x VOA w/HCl		125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4	
	125 mL w/EDA		250 mL Plastic		250 mL w/H_2SO_4		250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass	

*INDICATOR PARAMETERS HAVE STABILIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/12/20	Well ID: M-101
Field Sampler(s): CROCKETT				
Transducer Removal Time: NA		Transducer Redeployment Time: N/A		General Well Condition: GOOD
Depth to Water (ft): DRY (DRY)		Screened Interval Top (ft): 18.7		Pump Intake Depth (ft): N/A
Well Depth (ft): 31.6 (31.8)		Screened/Open Interval Bottom (ft): 28.7		Well Diameter (in): 2
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE		GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP
N Dedicated Tubing Present? (Y/N)		N New Dedicated Tubing Placed? (Y/N)		
Purge Start Time: NA				

Time	Temp. (°C) READ	Temp. (°C) CHANGE*	pH (pH Units) READ	pH (pH Units) CHANGE*	Conductivity (mS/cm) READ	Conductivity (mS/cm) CHANGE*	DO (mg/L) READ	DO (mg/L) CHANGE*	ORP (mV) READ	ORP (mV) CHANGE*	Turbidity (NTU) READ	Turbidity (NTU) CHANGE*	Purge Rate (mL/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor

DRY

WELL DRY COULD NOT SAMPLE

Stop Purge Time: NA	Sample Time: NA	QA/QC Sample Time(s): NA	
	Sample ID: NA	QA/QC Sample ID(s): NA	

Observations/Comments

Bottle Set Summary

	3x VOA w/HCl	125 mL Plastic	500 mL Plastic	500 mL w/H_2SO_4	500 mL poly w/HNO_3	250 mL Amber Glass w/H_2SO_4			
	125 mL w/EDA	250 mL Plastic	250 mL w/H_2SO_4	250 mL poly w/HNO_3	250 mL Amber Glass w/H_3PO_4	500 mL Amber Glass			

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/15/20	Well ID: M-103
Field Sampler(s): A. Morgan				
Transducer Removal Time: N/A	Transducer Redeployment Time: NA		General Well Condition: good	
Depth to Water (ft): 76.56	Screened Interval Top (ft): 72		Pump Intake Depth (ft): 80.41 ; dedicated pump	
Well Depth (ft): 90 (historical)	Screened/Open Interval Bottom (ft): 92		Well Diameter (in): 2	
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE	GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP	
Y Dedicated Tubing Present? (Y/N)	N New Dedicated Tubing Placed? (Y/N)			
Purge Start Time: 1018				

Time	Temp. (°C)		pH (pH Units)		Conductivity (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*				
1021	—		—		—		—		—		—		85	76.81	0.255	none/none
1024	26.0		7.60		2.661		7.19		138.1		12.0		60	76.79	0.56	" "
1029	25.4		7.55		2.625		7.06		151.9		7.9		110	76.86	1.11	" "
1034	25.5	no change	7.56	no change	2.626	<1%	7.05	<1%	155.8	<1% mV	6.6	<10%	90	76.85	1.56	" "
1037	25.5		7.56		2.629		7.04		157.2		5.3		90	76.85	1.83	" "
1040	25.5		7.56		2.627		7.04		162.5		4.0		90	76.85	2.1	" "

Stop Purge Time: 1041	Sample Time: 1045	QA/QC Sample Time(s): NA
	Sample ID: M-103-20200515	QA/QC Sample ID(s): NA

Observations/Comments Sampled via dedicated bladder pump. Top of pump @ 80.41

Bottle Set Summary

2	3x VOA w/HCl	1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
1	125 mL w/EDA	1	250 mL Plastic		250 mL w/H_2SO_4	1	250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/12/20	Well ID: M-115
Field Sampler(s): Bilhau				
Transducer Removal Time: —		Transducer Redeployment Time: —		General Well Condition: good
Depth to Water (ft): (34.81) 37.12		Screened Interval Top (ft): 37.1		Pump Intake Depth (ft): 42.1
Well Depth (ft): (47.05) 47.10		Screened/Open Interval Bottom (ft): 47.1		Well Diameter (in): 2
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE		GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP
Y Dedicated Tubing Present? (Y/N)		N New Dedicated Tubing Placed? (Y/N)		
Purge Start Time: 1240				

Time	Temp. (°C) READ	Temp. (°C) CHANGE*	pH (pH Units) READ	pH (pH Units) CHANGE*	Conductivity (mS/cm) READ	Conductivity (mS/cm) CHANGE*	DO (mg/L) READ	DO (mg/L) CHANGE*	ORP (mV) READ	ORP (mV) CHANGE*	Turbidity (NTU) READ	Turbidity (NTU) CHANGE*	Purge Rate (mL/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Comments
1242	27.4		7.65		3.924		7.91		128.2		38.5		300	37.20		clear/N
1245	26.1		7.47		3.803		7.78		138.2		41.9		300	37.27		clear/N
1248	26.3		7.45		3.797		7.69		142.2		33.3		200	37.30		clear/N
1251	26.0	<1%	7.45	0	3.783	<1%	7.70	<1%	149.7	4.1	32.8	9%	200	37.30		clear/N
1254	26.0		7.45		3.782		7.69		151.0		33.4		200	37.30		clear/N
1257	26.1		7.45		3.788		7.66		153.8		30.6		200	37.30	3.4L	clear/N

Stop Purge Time: 1258	Sample Time: 1300	QA/QC Sample Time(s): —
	Sample ID: M-115-20200513	QA/QC Sample ID(s): —

Observations/Comments

Double check DTW 2X

Bottle Set Summary

2	3x VOA w/HCl	1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
1	125 mL w/EDA	1	250 mL Plastic		250 mL w/H_2SO_4	1	250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/15/20	Well ID: ~~M-139~~ M-117 BC
Field Sampler(s): J. Madlers				
Transducer Removal Time: N/a		Transducer Redeployment Time: N a		General Well Condition: Good
Depth to Water (ft): ~~(69.30)~~ ~~68.75~~ 68.29		Screened Interval Top (ft): 132.4		Pump Intake Depth (ft): dedicated pump 140
Well Depth (ft): (155) 155		Screened/Open Interval Bottom (ft): 152.4		Well Diameter (in): 2
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE		GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP
Y Dedicated Tubing Present? (Y/N)		N New Dedicated Tubing Placed? (Y/N)		dedicated pump
Purge Start Time: 0836				

Time	Temp. (°C)		pH (pH Units)		Conductivity (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*				
0839	26.2		7.88		1.212		8.00		119.9		8.11		120	69.28	.36	clear/none
0842	26.3		7.91		1.212		7.61		120.9		9.87		120	69.65	.72	clear/none
0845	26.4		7.92		1.214		7.01		121.0		12.89		120	69.82	1.08	clear/none
0848	26.5		7.92		1.192		6.73		121.8		14.72		120	70.01	1.44	clear/none
0851	26.5		7.85		1.182		6.64		123.1		12.05		120	70.22	1.80	clear/none
0854	26.7		7.80		1.183		6.57		124.5		11.85		120	70.45	2.16	clear/none
0857	26.7	0.7%	7.80	0.6%	1.184	0.1%	6.55	1.3%	124.8	1.7mV	9.85	<10NTU	120	70.62	2.52	clear/none

Stop Purge Time: 0858	Sample Time: 0900	QA/QC Sample Time(s):
	Sample ID: M-117-20200515	QA/QC Sample ID(s):

Observations/Comments

Bottle Set Summary

2	3x VOA w/HCl		1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
1	125 mL w/EDA		1	250 mL Plastic		250 mL w/H_2SO_4	1	250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/14/20	Well ID: M-118
Field Sampler(s): A. Morgan				
Transducer Removal Time: NA		Transducer Redeployment Time: NA		General Well Condition: good
Depth to Water (ft): 62.61		Screened Interval Top (ft): 140.4		Pump Intake Depth (ft): 143.3
Well Depth (ft): 163.38 (Historical)		Screened/Open Interval Bottom (ft): 160.4		Well Diameter (in): 2
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE		GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP
Y Dedicated Tubing Present? (Y/N)		___ New Dedicated Tubing Placed? (Y/N)		
Purge Start Time: 1133				

Time	Temp. (°C)		pH (pH Units)		Conductivity (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*				
1143	28.6		7.54		1.440		7.37		78.4		14.1		15	62.88	0.15	none/none
1146	27.4		7.29		1.305		7.45		97.4		14.7		20	63.02	0.21	none/none
Stopped pump @ 1147 to allow recharge and switch to nitrogen																
1223	Resume purge @ 1223. Static water @ 62.68 prior to starting pump															
1226	26.2		7.44		1.272		6.91		107.3		73.2		50	62.80	0.36	white/none
1231	26.1		7.32		1.256		5.69		125.7		22.5		200	63.21	1.36	" "
Stopped pump @ 1232 to allow recharge																
1312	Resume purge. Static water @ 62.95															
1317	25.9		7.64		1.247		6.20		148.7		30.1		200	63.40	2.36	" "
Stopped pump @ 1318 to allow recharge																
1340	water level @ 62.93. 1 system volume (calculated) 2.23 L purged. Collect sample.															

Stop Purge Time: 1318	Sample Time: 1340	QA/QC Sample Time(s):
	Sample ID: M-118-20200514	QA/QC Sample ID(s):

Observations/Comments: unable to stabalize well drawdown. Over 1 system volume purged prior to sampling. Sampled via dedicated pump. top of Pump @ 143.3

Bottle Set Summary

2	3x VOA w/HCl	1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3	250 mL Amber Glass w/H_2SO_4
1	125 mL w/EDA	1	250 mL Plastic		250 mL w/H_2SO_4	1	250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4	500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN **3 CONSECUTIVE READINGS** ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/18/20	Well ID: M-120
Field Sampler(s): A. Morgan				
Transducer Removal Time: NA		Transducer Redeployment Time: NA		General Well Condition: good
Depth to Water (ft): 84.22		Screened Interval Top (ft): 82.8		Pump Intake Depth (ft): 90 (OP)
Well Depth (ft): 105.8 (Historical)		Screened/Open Interval Bottom (ft): 102.8		Well Diameter (in): 2
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE		GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP
Y Dedicated Tubing Present? (Y/N) ded pump		N New Dedicated Tubing Placed? (Y/N)		
Purge Start Time: 1253				

Time	Temp. (°C) READ	Temp. (°C) CHANGE*	pH (pH Units) READ	pH (pH Units) CHANGE*	Conductivity (mS/cm) READ	Conductivity (mS/cm) CHANGE*	DO (mg/L) READ	DO (mg/L) CHANGE*	ORP (mV) READ	ORP (mV) CHANGE*	Turbidity (NTU) READ	Turbidity (NTU) CHANGE*	Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
1258	30.9		7.71		2.842		7.46		176.9		13.1		60	84.31	0.3	none/none
1303	28.5		7.91		2.743		7.65		185.9		20.2		60	84.34	0.6	" "
1306	28.4		7.71		2.770		7.28		190.6		60.0		60	84.34	0.78	" "
1309	26.9		7.47		2.745		6.47		195.4		55.9		130	84.41	1.17	" "
1312	25.9		7.34		2.703		5.90		200.3		35.4		130	84.47	1.56	" "
1315	25.5		7.32		2.685		5.63		202.3		16.6		130	84.49	1.95	" "
1318	25.5		7.32		2.683		5.53		203.9		20.0		120	84.49	2.31	" "
1321	25.8		7.32		2.693		5.42		205.8		23.2		120	84.49	2.67	" "
1324	26.0	<1%	7.32	N/A (range)	2.704	<1%	5.33	2.7%	207.1	2.5 mV	23.4	<1%	120	84.49	3.03	" "
1327	26.0		7.32		2.706		5.28		208.3		23.2		120	84.49	3.39	" "

Stop Purge Time: 1328	Sample Time: 1330	QA/QC Sample Time(s): 1350
	Sample ID: M-120-202005	QA/QC Sample ID(s): M-120-202005B-EB15

Observations/Comments: Equip. blank collected after all Samples.

Bottle Set Summary

4	3x VOA w/HCl	2	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
2	125 mL w/EDA	2	250 mL Plastic		250 mL w/H_2SO_4	1	250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring | Task Manager: Jesse Bunkers | Task No: H02 | Date: 5/14/20 | Well ID: M-121

Field Sampler(s): A Morgan

Transducer Removal Time: NA | Transducer Redeployment Time: NA | General Well Condition: good

Depth to Water (ft): 79.11 | Screened Interval Top (ft): 79.6 | Pump Intake Depth (ft): 88 dedicated Pump

Well Depth (ft): 101.73 (Historical) | Screened/Open Interval Bottom (ft): 99.6 | Well Diameter (in): 2

Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE | GW Disposal: GW-11 | Equipment Decon. Method: Alconox/DI Rinse SOP

Y Dedicated Tubing Present? (Y/N) | N New Dedicated Tubing Placed? (Y/N)

Purge Start Time: 1007

Time	Temp. (°C) READ	Temp. (°C) CHANGE*	pH (pH Units) READ	pH (pH Units) CHANGE*	Conductivity (mS/cm) READ	Conductivity (mS/cm) CHANGE*	DO (mg/L) READ	DO (mg/L) CHANGE*	ORP (mV) READ	ORP (mV) CHANGE*	Turbidity (NTU) READ	Turbidity (NTU) CHANGE*	Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
1010	25.1		6.99		5.418		6.99		112.8		30.2		300	79.23		water/none
1015	25.4		7.18		5.442		6.58		115.2		33.9		300	79.27	1.8	" "
1020	25.3		7.33		5.411		6.96		119.3		17.4		240	79.27		none/none
1025	25.3		7.36		5.422		6.98		122.5		8.8		240	79.27		" "
1028	25.3	N changes	7.37	0.1	5.340	2.47	7.03	1.7	123.9	3.2 mV	5.8	< 10 NTU	240	79.27		" "
1031	25.3		7.38		5.296		7.07		125.7		3.2		240	79.27	5.6L	" "

Stop Purge Time: 1032 | Sample Time: 1035 | Sample ID: M-121-20200514 | QA/QC Sample Time(s): N/A | QA/QC Sample ID(s): N/A

Observations/Comments Sampled via dedicated pump Top of Pump @

Bottle Set Summary

2	3x VOA w/HCl	1	125 mL Plastic	500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3	250 mL Amber Glass w/H_2SO_4
1	125 mL w/EDA	1	250 mL Plastic	250 mL w/H_2SO_4	1	250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4	500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

Page 1 of 1

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/13/20	Well ID: M-123
Field Sampler(s): Dylan Davis				
Transducer Removal Time: N/A		Transducer Redeployment Time: N/A		General Well Condition: Good - no locks
Depth to Water (ft): 40.13		Screened Interval Top (ft): 38.7		Pump Intake Depth (ft): 46.91 - 7471
Well Depth (ft): 54.10		Screened/Open Interval Bottom (ft): 53.7		Well Diameter (in): 2
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE		GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP
Y Dedicated Tubing Present? (Y/N)		N New Dedicated Tubing Placed? (Y/N)		
Purge Start Time: 0729				

Time	Temp. (°C)		pH (pH units)		Conductivity (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Pump Rate (mL/min)	Drawdown (ft)	Cum. Vol. (L)	Odor/Color
	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*				
0730	23.7		7.46		13.543		3.68		216.4		64.9		160	40.18	0.16	None / none
0733	24.0		7.32		13.783		1.91		211.5		67.1		160	40.18	0.96	
0736	24.3		7.27		14.090		1.12		196.3		44.0		160	40.18	1.76	
0739	24.3		7.27		14.206		0.90		186.7		28.2		160	40.18	2.56	
0742	24.4		7.27		14.249		0.80		180.8		24.3		160	40.18	3.36	
0745	24.5		7.27		14.324		0.72		172.8		19.4		160	40.18	4.16	
0748	24.5		7.27		14.361		0.65		165.4		16.9		160	40.18	4.96	
0751	24.5	0.0	7.27	0.0	14.360	4.1%	0.62	6.8%	162.1	3.6mV	15.3	24	160	40.18	5.76	
0753	24.5	✓	7.27	✓	14.362	✓	0.61	✓	161.8	✓	14.4	✓	160	40.18	6.56	

Stop Purge Time: 0754

Sample Time: 0755

Sample ID: M-123-20200513

QA/QC Sample Time(s): —

QA/QC Sample ID(s): —

Observations/Comments

Bottle Set Summary

2	3x VOA w/HCl	1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4	
1	125 mL w/EDA	1	250 mL Plastic	1	250 mL w/H_2SO_4		250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass	

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/13/20	Well ID: M-124
Field Sampler(s): Dylan Davis				
Transducer Removal Time: N/A		Transducer Redeployment Time: N/A		General Well Condition: Good - no locks
Depth to Water (ft): 35.80		Screened Interval Top (ft): 36.3		Pump Intake Depth (ft): 43.8 ft
Well Depth (ft): 52.10		Screened/Open Interval Bottom (ft): 51.3		Well Diameter (in): 2
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE		GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP
X Dedicated Tubing Present? (Y/N)		N New Dedicated Tubing Placed? (Y/N)		
Purge Start Time: 0858				

			pH (+/- 3x)		Conductivity +/-		Temp +/-		ORP		DO		Turbidity (+/- 10%)	Drawdown (ft)	Cumulative Purge (L)	Comments
					READ	CHANGE?		CHANGE?	READ	CHANGE?	READ	CHANGE?				
0859	26.0		8.26		4.974		5.75		118.4		41.1		240	36.00	0.24	clear/none
0902	25.2		7.76		4.382		5.19		126.1		25.7		240	36.05	1.44	
0905	25.1		7.56		4.302		4.78		142.6		20.3		240	36.05	2.64	
0908	25.1	<1.0%	7.54	<1.0%	4.300	<1.0%	4.74	1.7%	147.0	7.1	18.2	3.7	240	36.05	3.84	
0910	25.2	✓	7.53	✓	4.296	✓	4.70	✓	149.7	✓	16.6	✓	240	36.05	5.04	

Stop Purge Time: 0911	Sample Time: 0900 0915	QA/QC Sample Time(s): —
	Sample ID: M-124-20200513	QA/QC Sample ID(s): —

Observations/Comments

Bottle Set Summary

2	3x VOA w/HCl		1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
1	125 mL w/EDA		1	250 mL Plastic	1	250 mL w/H_2SO_4		250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Burbiers	Task No: H02	Date: 5-13-20	Well ID: M-125
Field Sampler(s): Ron Phillips				
Transducer Removal Time: NA	Transducer Redeployment Time: NA		General Well Condition: Good, no lock	
Depth to Water (ft): 37.05 Double checked	Screened Interval Top (ft): 37.9		Pump Intake Depth (ft): 45.5	
Well Depth (ft): 53.20	Screened/Open Interval Bottom (ft): 52.9		Well Diameter (in): 2"	
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE	GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP ✓	
Y Dedicated Tubing Present? (Y/N)	N New Dedicated Tubing Placed? (Y/N)			
Purge Start Time: 0643				

Time	Temp. (°C)		pH (pH Units)		Spec. Cond. (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Purge Rate (mL/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Field Observations
	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*				
0648	24.6		7.09		19.544		12+	0.92	177.4		86.3		330	37.25		SL. Turbid
0653	24.7		7.07		19.599		0.49		169.3		51.8		315	37.25		clearer
0657	24.7		7.07		19.602		0.37		166.6		35.5		315	37.25		
0700	24.8		7.07		19.582		0.31		165.2		31.2			37.25		
0703	24.8		7.07		19.591		0.27		164.2		26.0			37.25		
0707	24.8		7.07		19.595		0.24		163.3		21.9			37.25		
0711	24.8		7.08		19.579		0.21		162.6		19.0			37.25		
0715	24.8		7.08		19.584		0.20		162.2		14.8			37.25		clear
0719	24.9		7.08		19.576		0.17		161.7		12.2			37.25	10	
0723	24.9		7.08		19.580		0.16		161.4		11.8			37.25		
0728	24.9		7.08		19.584		0.14		160.9		9.9			37.25		
0731	24.9		7.08		19.577		0.14		160.6		9.1			37.25		
0734	24.9	NO change	7.08	No change	19.588	<1%	0.13	All <0.5 mg/L	160.9	0.5 NTU	8.5	All <10	V	37.25	15	

Stop Purge Time: 0735	Sample Time: 0745	QA/QC Sample Time(s): 0745	
	Sample ID: M-125-20200513	QA/QC Sample ID(s): M-125-20200513-FD14	

Observations/Comments: Pump settings: Discharge 18 sec, Recill 12 sec, pressure 35

Bottle Set Summary

4 x	3x VOA w/HCl	2 x	125 mL Plastic sterile		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
2 x	125 mL w/EDA	2 x	250 mL Plastic		250 mL w/H_2SO_4	2 x	250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABILIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRATECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunters	Task No: H02	Date: 5/13/20
Well ID: NERT M-126			
Field Sampler(s): Dylan Davis			
Transducer Removal Time:	Transducer Redeployment Time:	General Well Condition: Good	
Depth to Water (ft): ~~DTW~~ 34.18	Screened Interval Top (ft): 22.4	Pump Intake Depth (ft): 38 ft	
Well Depth (ft): 42.50	Screened/Open Interval Bottom (ft): 42.4	Well Diameter (in): 2	
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE	GW Disposal: GW-11	Equipment Decon. Method: Alconox/DI Rinse SOP	
Y Dedicated Tubing Present? (Y/N)	N New Dedicated Tubing Placed? (Y/N)		
Purge Start Time: 1420			

			Conductivity (mS/cm)										
		CHANGE*			CHANGE*			CHANGE*			CHANGE*		
1422	29.1		7.21		21.167		3.30		148.5		~~166~~ 166.7	400	34.20	400	clear/none
1425	26.2		7.01		20.552		0.79		151.4		47.8	400	34.20	2.4	
1428	26.1		6.98		20.482		0.72		153.2		46.2	400	34.20	4.4	
1431	26.9		6.93		20.431		0.68		154.8		45.7	400	34.20	6.4	
1434	25.8	±0.1	6.92	0.01	20.426	<1.0%	0.65	6.25%	155.7	3.3	44.8	400	34.20	8.4	
1437	25.8	✓	6.92	✓	20.423	✓	0.64	✓	158.1	✓	44.3	400	34.20	10.4	✓

Stop Purge Time: 1437	Sample Time: 1438	QA/QC Sample Time(s): —	
	Sample ID: M-126-20200513	QA/QC Sample ID(s): —	

Observations/Comments

Bottle Set Summary

2	3x VOA w/HCl		1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
	125 mL w/EDA			250 mL Plastic	1	250 mL w/H_2SO_4		250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/16/20	Well ID: M-129
Field Sampler(s): J. Bunkers				
Transducer Removal Time: —	Transducer Redeployment Time: —		General Well Condition: Good	
Depth to Water (ft): 28.49	Screened Interval Top (ft): 19.7		Pump Intake Depth (ft): 34.1	
Well Depth (ft): 42.85	Screened/Open Interval Bottom (ft): 39.7		Well Diameter (in): 2	
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE	GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP	
___ Dedicated Tubing Present? (Y/N)	___ New Dedicated Tubing Placed? (Y/N) Dedicated Pump			
Purge Start Time: 1000				

Time	Temp. (°C) READ	Temp. (°C) CHANGE*	pH (pH Units) READ	pH (pH Units) CHANGE*	Conductivity (mS/cm) READ	Conductivity (mS/cm) CHANGE*	DO (mg/L) READ	DO (mg/L) CHANGE*	ORP (mV) READ	ORP (mV) CHANGE*	Turbidity (NTU) READ	Turbidity (NTU) CHANGE*	Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
1003	25.5		7.34		6.084		1.03		137.7		4.2		375	28.60		clear/none
1006	25.5		7.30		6.085		0.99		138.8		4.0		"	"		"
1009	25.5		7.29		6.095		0.89		141.6		3.3		"	"		"
1012	25.6	<1%	7.29	0	6.101	<1%	0.85	5%	141.9	0.6	3.5	<10	"	"		"
1015	25.6		7.29		6.106		0.84		142.2		3.5		"	"	6.4	"

Stop Purge Time: 1016 Sample Time: 1020 QA/QC Sample Time(s): —

Sample ID: M-129-20200518 QA/QC Sample ID(s): —

Observations/Comments

Bottle Set Summary

2	3x VOA w/HCl	1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
1	125 mL w/EDA	1	250 mL Plastic		250 mL w/H_2SO_4	1	250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/12/20
Well ID: M-132			
Field Sampler(s): Crockett			
Transducer Removal Time: N/A	Transducer Redeployment Time: N/A	General Well Condition: Good	
Depth to Water (ft): 25.37 (26.14)	Screened Interval Top (ft): 81.7	Pump Intake Depth (ft): 86.7	
Well Depth (ft): 92.85 (93.1)	Screened/Open Interval Bottom (ft): 91.7	Well Diameter (in): 2	
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE	GW Disposal: GW-11	Equipment Decon. Method: Alconox/DI Rinse SOP	
Dedicated Tubing Present? (Y/N)	New Dedicated Tubing Placed? (Y/N) - Tubing too Short; replaced		
Purge Start Time: 0728			

Time	Temp. (°C) READ	Temp. (°C) CHANGE*	pH (pH Units) READ	pH (pH Units) CHANGE*	Conductivity (mS/cm) READ	Conductivity (mS/cm) CHANGE*	DO (mg/L) READ	DO (mg/L) CHANGE*	ORP (mV) READ	ORP (mV) CHANGE*	Turbidity (NTU) READ	Turbidity (NTU) CHANGE*	Purge Rate (mL/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
0731														25.04	0.54	None/None
0734	25.6		7.41		2.298		4.78		148.7		22.92		90	25.36	0.72	" "
0737	25.2		7.45		2.335		4.58		140.5		38.96		60	25.71	0.90	" "
0740	25.4		7.57		2.344		4.81		139.3		47.55		60	25.70	1.08	" "
0743	25.4		7.63		2.351		5.02		139.5		52.45		60	25.92	1.26	" "
0746	25.4		7.67		2.350		5.06		140.0		38.68		60	25.99	1.44	" "
0749	25.4		7.69		2.353		5.05		140.6		37.59		60	26.13	1.62	" "
0752	25.4		7.70		2.357		5.01		141.3		27.45		60	26.17	1.80	" "
0755	25.4		7.71		2.358		4.99		141.8	2.3mV	23.49		60	26.23	1.98	" "
0758	25.5		7.71		2.369		4.96		142.7		15.96		60	26.23	2.16	" "
0801	25.5	0.39%	7.71	0	2.379	0.9%	4.94	1.0%	143.1	0.9%	14.47	62.3%	60	26.32	2.34	" "

Stop Purge Time: 0802

Sample Time: 0810

Sample ID: M-132-20200512

QA/QC Sample Time(s): 0930

QA/QC Sample ID(s): M-132-20200512-FB-11

Observations/Comments: Purged >1 system volume; purge stopped due to excessive drawdown

System volume = 0.95L

Bottle Set Summary

4	3x VOA w/HCl	2	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4	
2	125 mL w/EDA	2	250 mL Plastic		250 mL w/H_2SO_4	2	250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass	

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:

± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/12/20	Well ID: M-133
Field Sampler(s): CROCKETT				
Transducer Removal Time: NA		Transducer Redeployment Time: N/A		General Well Condition: GOOD
Depth to Water (ft): 25.88 (26.74)		Screened Interval Top (ft): 62.1		Pump Intake Depth (ft): 67
Well Depth (ft): 72.66 (72.7)		Screened/Open Interval Bottom (ft): 72.1		Well Diameter (in): 2
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE		GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP
Y Dedicated Tubing Present? (Y/N)		N New Dedicated Tubing Placed? (Y/N)		
Purge Start Time: 0908				

Time	Temp. (°C)		pH (pH Units)		Conductivity (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*				
0907														25.52		
0910	26.7		7.21		6.812		5.72		156.3		151.67		120	25.83	0.24	N/N
0913	25.8		7.32		7.102		7.61		153.3		149.05		120	26.33	0.60	N/N
0916	25.9		7.33		7.108		7.33		152.9		126.07		90	26.57	~~0.96~~ NA	N/N
0919	25.9		7.34		7.109		7.02		152.0		108.76		90	26.79	~~1.32~~	N/N
0922	25.9		7.33		7.108		6.80		150.2		80.05		90	26.95	~~1.68~~	N/N
0925	25.9		7.32		7.106		6.56		150.3		64.55		90	27.15	~~2.09~~	N/N
0928	25.9		7.31		7.103		6.66		151.2	0.4mV	61.05		90	27.30	~~2.40~~	N/N
0931	26.0		7.30		7.101		6.35		152.0		57.56		90	27.42	~~2.76~~	N/N
0934	26.1	0.8%	7.30	0.01	7.096	0.1%	6.41	4.9%	152.4	0.8%	57.99	6.4%	90	27.50	~~3.12~~	N/N

(L)
Vol Purged
0.87
1.14
1.41
1.68
1.95
2.22
2.49

Stop Purge Time: 0936	Sample Time: 0950	QA/QC Sample Time(s): —
	Sample ID: M-133-20200512	QA/QC Sample ID(s): —

Observations/Comments

Bottle Set Summary

2	3x VOA w/HCl	1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4	
1	125 mL w/EDA	1	250 mL Plastic		250 mL w/H_2SO_4	1	250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass	

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5-12-20	Well ID: M-134
Field Sampler(s): Ron Phillips				
Transducer Removal Time: NA	Transducer Redeployment Time: NA		General Well Condition: Good	
Depth to Water (ft): 33.88	Screened Interval Top (ft): 62.3		Pump Intake Depth (ft): 67.3	
Well Depth (ft): 72.15	Screened/Open Interval Bottom (ft): 72.3		Well Diameter (in): 2	
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE	GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP ✓	
Y Dedicated Tubing Present? (Y/N)	N New Dedicated Tubing Placed? (Y/N)			
Purge Start Time: 0910				

Time	Temp. (°C)		pH (pH Units)		Conductivity (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*				
0915	25.8		7.64		3.491		4.99		160.5		61		~200	35.81		sl. Turbid/no
0920	26.2		7.63		3.504		4.90		168.5		41.0		~120	36.11		
0925	26.7		7.61		3.506		4.91		174.3		28.6		95	36.21		
0930	26.9		7.61		3.501		4.91		176.3		54.6		95	36.32		
0935	26.7		7.60		3.504		4.89		177.9		34.5		80	36.28		
0940	26.7		7.60		3.504		4.94		179.0		47.5		80	36.28		
0945	26.7		7.60		3.500		4.93		179.9		24.9		80	36.22		
0950	26.6		7.59		3.503		4.91		180.7		20.7		80	36.20		
0955	26.5		7.59		3.499		4.89		181.4		16.4		80	36.18		
1000	26.6		7.59		3.497		4.85		181.9		10.9		80	36.15		
1004	26.7		7.59		3.499	<1%	4.84		182.1		10.1		80	36.15		
1007	26.7	<1%	7.59	No change			4.83	<1%	182.4	0.5 mV	10.1	8%	80	36.15	5 1/2 L	

Stop Purge Time: 1008	Sample Time: 1013	QA/QC Sample Time(s): NA	
	Sample ID: M-134-20200512	QA/QC Sample ID(s): NA	

Observations/Comments: Pump settings Refill 15 s, disc 5 sec, pressure 40 PSI Then 16s R and 4 s D @ 9:32

Bottle Set Summary

2x	3x VOA w/HCl	1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
	125 mL w/EDA	1	250 mL Plastic		250 mL w/H_2SO_4	1	250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Borders	Task No: H02	Date: 5/17/20	Well ID: M-135
Field Sampler(s): Andrew Morgan			
Transducer Removal Time: NA	Transducer Redeployment Time: NA	General Well Condition: Good
Depth to Water (ft): 33.97	Screened Interval Top (ft): 31.3	Pump Intake Depth (ft): 37.6
Well Depth (ft): 42.08	Screened/Open Interval Bottom (ft): 41.3	Well Diameter (in): 2
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE	GW Disposal: GW-11	Equipment Decon. Method: Alconox/DI Rinse SOP
Y Dedicated Tubing Present? (Y/N)	N New Dedicated Tubing Placed? (Y/N)	
Purge Start Time: 0914		

		DRAWDOWN						ORP (mV)		Turbidity (NTU)		Pump Rate (ml/min)	Depth to Water (ft)	Gallons Med. Purged (L)	Color/Notes
							E&O	READ	CHANGE*	READ	CHANGE*				
0916	25.6		7.17		4.152		6.78	77.0		6.7		140	34.03	0.28	none/none
0919	25.4		7.34		4.123		5.76	76.2		4.3		140	34.05	0.7	" "
0921	25.4		7.33		4.118		5.63	78.2		3.2		140	34.07	1.12	" "
0924	25.3	<0.1	7.34	<0.1	4.114	<1%	5.55	80.5	<4 mV	2.0	<10 NTU	140	34.07	1.54	" "
0927	25.3		7.34		4.115		5.51	82.2		1.3		140	34.07	1.82	" "

Stop Purge Time: 0928	Sample Time: 0930	QA/QC Sample Time(s): N/A
	Sample ID: M-135-20200513	QA/QC Sample ID(s): N/A

Observations/Comments

Bottle Set Summary

2	3x VOA w/HCl	1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
1	125 mL w/EDA	1	250 mL Plastic		250 mL w/H_2SO_4	1	250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/13/20	Well ID: M-136
Field Sampler(s): Dylan Davis				
Transducer Removal Time:	Transducer Redeployment Time:		General Well Condition: Good	
Depth to Water (ft): 29.06	Screened Interval Top (ft): 82.4		Pump Intake Depth (ft): 87.2	
Well Depth (ft): 92.00	Screened/Open Interval Bottom (ft): 92.4		Well Diameter (in): 2"	
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE	GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP	
Y Dedicated Tubing Present? (Y/N)	N New Dedicated Tubing Placed? (Y/N)			
Purge Start Time: 1030				

Time	Temp. (°C) READ	Temp. (°C) CHANGE*	pH (pH Units) READ	pH (pH Units) CHANGE*	Conductivity (mS/cm) READ	Conductivity (mS/cm) CHANGE*	DO (mg/L) READ	DO (mg/L) CHANGE*	ORP (mV) READ	ORP (mV) CHANGE*	Turbidity (NTU) READ	Turbidity (NTU) CHANGE*	Purge Rate (mL/min)	Depth to Water (ft) MP	Drawdown (ft)	Comments
~~1031~~														~~29.05~~		
1039	27.2		8.38		2.063		6.10		173.4		11.3		100mL	29.38	0.1	clear/mod
1042	25.3		7.95		1.876		4.51		181.9		97.3		50mL	29.70	0.3	
1043	25.3		7.86		1.874		4.31		185.8		67.4		100mL	29.92	0.7	
1046	~~25.3~~		7.84		1.867		4.31		187.0		~~54.6~~		100mL	30.18	-1.1	
1049	25.3	0.0	7.83	<1.0%	1.856	<1.0%	4.37	1.6%	182.9	1.2mV	43.9	9.7	100mL	30.26	1.5	
1052	25.3		7.83		1.856		4.38		188.2		44.9		100mL	30.34	2.0	

Stop Purge Time: 1053 Sample Time: 1100 QA/QC Sample Time(s): M-136-20200513-EB13

Sample ID: M-136-20200513 QA/QC Sample ID(s): 1100

Observations/Comments: Cannot maintain 0.3' drawdown and pump water. 50mL/min lowest able to still pump. Purged one system volume then sampled.

Bottle Set Summary

4	3x VOA w/HCl	2	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
2	125 mL w/EDA	2	250 mL Plastic	2	250 mL w/H_2SO_4		250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/18/20	Well ID: M-137
Field Sampler(s): BUhun				
Transducer Removal Time: —		Transducer Redeployment Time: —		General Well Condition: good
Depth to Water (ft): (59.32) 59.50		Screened Interval Top (ft): 54.8		Pump Intake Depth (ft): 67.15
Well Depth (ft): (75.3) 75.5		Screened/Open Interval Bottom (ft): 74.8		Well Diameter (in): 2
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE		GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP
Y Dedicated Tubing Present? (Y/N)		N New Dedicated Tubing Placed? (Y/N)		
Purge Start Time: 0735				

Time	Temp. (°C)		pH (pH Units)		Conductivity (mS/cm)		DO (mg/L)		ORP (mV)		Turbidity (NTU)		Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*	READ	CHANGE*				
0741	27.08		8.05		3.704		7.47		333.63		49.39		200	59.60		clear/N
0744	26.46		7.87		3.658		7.18		333.21		77.54		200	59.60		clear/N
0747	26.41		7.83		3.644		7.68		332.92		99.62		200	59.60		clear/N
0750	26.44		7.81		3.632		7.23		333.75		150.9		200	59.60		clear/N
0753	26.43		7.81		3.632		7.23		333.75		170.5		200	59.60		clear/N
0756	26.46		7.79		3.654		7.69		334.09		61.48		200	59.60		clear/N
0759	26.44		7.77		3.645		7.33		335.06		74.56		200	59.60		clear/N
0803	26.44		7.76		3.643		7.71		336.15		89.49		200	59.60		clear/N
0806	26.52		7.76		3.660		7.80		336.15		59.59		200	59.60		clear/N
0809	26.47		7.77		3.660		7.43		337.47		58.65		200	59.60		clear/N
0812	26.52		7.73		3.657		7.68		337.71		68.15		200	59.60		clear/N
0815	26.57		7.71		3.660		7.48		337.80		99.10		200	59.60		clear/N
0819	26.58		7.72		3.665		7.49		337.89		42.47		200	59.60		clear/N
0822	26.59		7.71		3.664		7.64		337.87		58.18		200	59.60		clear/N
0825	26.62		7.71		3.669		7.46		337.46		75.65		200	59.60		clear/N

Stop Purge Time: 0900	Sample Time: 0902	QA/QC Sample Time(s): 0930	
	Sample ID: M-137-20200518	QA/QC Sample ID(s): M-137-20200518 – EB16	

Observations/Comments: YSI EXO1, EQuIS collect test

Bottle Set Summary

4	3x VOA w/HCl	2	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
2	125 mL w/EDA	2	250 mL Plastic		250 mL w/H_2SO_4	2	250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/18/20	Well ID: M-137
Field Sampler(s): BC				
Transducer Removal Time: ~~09:50~~		Transducer Redeployment Time: —		General Well Condition: good
Depth to Water (ft): ~~59.5~~ BC	59.5	Screened Interval Top (ft): 54.8		Pump Intake Depth (ft): 67.15
Well Depth (ft): ~~75.5~~ BC		Screened/Open Interval Bottom (ft): 74.8		Well Diameter (in): 2
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE		GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP
Y Dedicated Tubing Present? (Y/N)		N New Dedicated Tubing Placed? (Y/N)		
Purge Start Time: 0735				

Time	Temp. (°C) READ	Temp. (°C) CHANGE*	pH (pH Units) READ	pH (pH Units) CHANGE*	Conductivity (mS/cm) READ	Conductivity (mS/cm) CHANGE*	DO (mg/L) READ	DO (mg/L) CHANGE*	ORP (mV) READ	ORP (mV) CHANGE*	Turbidity (NTU) READ	Turbidity (NTU) CHANGE*	Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
0828	26.64		7.41		3.67		7.47		337.20		83.02		~~200~~ BC	59.60		clear/N
0832	26.63		7.41		3.67		7.32		337.48		88.93		200	59.60		clear/N
0835	26.68		7.40		3.68		7.48		337.81		120.79		200	59.60		clear/N
0839	26.59		7.39		3.72		7.48		329.37		11.71		200	59.60		clear/N
0842	26.54		7.39		3.72		7.57		330.99		11.16		200	59.60		clear/N
0846	26.63		7.38		3.73		7.53		332.07		9.21		200	59.60		clear/N
0850	26.67		7.38		3.74		7.27		333.50		13.99		200	59.60		clear/N
0853	26.70		7.38		3.75		7.54		333.38		8.90		200	59.60		clear/N
0856	26.63	<1%	7.37	0.01	3.74	<1%	7.55	<1%	333.84	0.57	8.29	<10	200	59.60		clear/N
0859	26.65		7.37		3.75		7.55		333.95		6.54		200	59.60	16L	clear/N

Stop Purge Time: 0900	Sample Time: 0902	QA/QC Sample Time(s): 0930
	Sample ID: M-137-20200518	QA/QC Sample ID(s): M-137-20200518 – EB16

Observations/Comments

clean turbidity probe at 0836

Bottle Set Summary

4	3x VOA w/HCl	2	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
2	125 mL w/EDA	2	250 mL Plastic		250 mL w/H_2SO_4	2	250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:

± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5/15/20	Well ID: M-138
Field Sampler(s): Bchlum				
Transducer Removal Time: —	Transducer Redeployment Time: —		General Well Condition: good	
Depth to Water (ft): (59.02) 58.98	Screened Interval Top (ft): 53.2		Pump Intake Depth (ft): 60.9	
Well Depth (ft): (68.5) 68.90	Screened/Open Interval Bottom (ft): 68.2		Well Diameter (in): 2	
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE	GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP	
Y Dedicated Tubing Present? (Y/N)	N New Dedicated Tubing Placed? (Y/N)			
Purge Start Time: 1200				

Time	Temp. (°C) READ	Temp. (°C) CHANGE*	pH (pH Units) READ	pH (pH Units) CHANGE*	Conductivity (mS/cm) READ	Conductivity (mS/cm) CHANGE*	DO (mg/L) READ	DO (mg/L) CHANGE*	ORP (mV) READ	ORP (mV) CHANGE*	Turbidity (NTU) READ	Turbidity (NTU) CHANGE*	Purge Rate (mL/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
1202	31.0		7.94		3.514		7.37		71.8		87.2		300	58.83		cloudy/N
1205	27.5		7.43		3.121		7.19		104.4		70.1		300	58.85		cloudy/N
1208	26.9		7.40		3.080		7.01		122.0		43.7		300	58.89		clear/N
1211	26.7	} 0	7.39	} 0	3.071	} <1%	6.94	} <1%	134.3	} 5.8	50.5	} 8%	300	58.90		clear/N
1214	26.7		7.39		3.071		6.95		137.3		54.7		300	58.90		clear/N
1217	26.7		7.39		3.073		6.98		140.1		53.8		300	58.90	5 L	clear/N

Stop Purge Time: 1218	Sample Time: 1218 1219	QA/QC Sample Time(s): 1230	~~FB1~~ BC
	Sample ID: M-138-20200515	QA/QC Sample ID(s): M-138-20200515-FB1.6	

Observations/Comments

Double checked TD 2X

Bottle Set Summary

2	3x VOA w/HCl	1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
1	125 mL w/EDA	1	250 mL Plastic		250 mL w/H_2SO_4	1	250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring | Task Manager: Jesse Bunkers | Task No: H02 | Date: 5/14/20 | Well ID: M-139

Field Sampler(s): Bohlen

Transducer Removal Time: — | Transducer Redeployment Time: — | General Well Condition: good

Depth to Water (ft): (37.97) 37.08 | Screened Interval Top (ft): 44.4 | Pump Intake Depth (ft): 51.9

Well Depth (ft): (60.35) 60.2 | Screened/Open Interval Bottom (ft): 54.4 | Well Diameter (in): 2

Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE | GW Disposal: GW-11 | Equipment Decon. Method: Alconox/DI Rinse SOP

Y Dedicated Tubing Present? (Y/N) | N New Dedicated Tubing Placed? (Y/N)

Purge Start Time: 1119

Time	Temp. (°C) READ	Temp. (°C) CHANGE*	pH (pH Units) READ	pH (pH Units) CHANGE*	Conductivity (mS/cm) READ	Conductivity (mS/cm) CHANGE*	DO (mg/L) READ	DO (mg/L) CHANGE*	ORP (mV) READ	ORP (mV) CHANGE*	Turbidity (NTU) READ	Turbidity (NTU) CHANGE*	Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
1121	28.8		7.46		3.801		5.98		85.1		21.6		300	37.20		clear/N
1124	27.7		7.43		3.728		6.27		109.4		13.3		300	37.23		clear/N
1127	27.9		7.44		3.721		6.37		121.7		17.9		300	37.23		clear/N
1130	27.6		7.44		3.715		6.35		130.8		24.0		300	37.23		clear/N
1133	27.5		7.43		3.714		6.66		137.6		7.1		300	37.23		clear/N
1136	27.6	<1%	7.44	0.01	3.717	<1%	6.65	<1%	142.5	6.4	7.7	<10	300	37.23		clear/N
1139	27.6		7.44		3.719		6.63		144.0		8.3		300	37.23	6 L	clear/N

Stop Purge Time: 1140 | Sample Time: 1142 | QA/QC Sample Time(s): NA

Sample ID: M-139-20200514 | QA/QC Sample ID(s): NA

Observations/Comments

Bottle Set Summary

2	3x VOA w/HCl	1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4	
1	125 mL w/EDA	1	250 mL Plastic		250 mL w/H_2SO_4	1	250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass	

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:

± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRA TECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring	Task Manager: Jesse Bunkers	Task No: H02	Date: 5-15-20	Well ID: M-140
Field Sampler(s): Ron Phillips				
Transducer Removal Time: NA		Transducer Redeployment Time: NA		General Well Condition: OK
Depth to Water (ft): 31.66		Screened Interval Top (ft): 26.6		Pump Intake Depth (ft): Dedicated pump, 38.6
Well Depth (ft): 47.70		Screened/Open Interval Bottom (ft): 46.4		Well Diameter (in): 4
Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE		GW Disposal: GW-11		Equipment Decon. Method: Alconox/DI Rinse SOP ✓
Y Dedicated Tubing Present? (Y/N)		N New Dedicated Tubing Placed? (Y/N)		Dedicated pump
Purge Start Time: 06:47				

Time	Temp. (°C) READ	Temp. (°C) CHANGE*	pH (pH Units) READ	pH (pH Units) CHANGE*	Conductivity (mS/cm) READ	Conductivity (mS/cm) CHANGE*	DO (mg/L) READ	DO (mg/L) CHANGE*	ORP (mV) READ	ORP (mV) CHANGE*	Turbidity (NTU) READ	Turbidity (NTU) CHANGE*	Purge Rate (ml/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
0653	24.8		7.07		7.935		0.33		177.1		5.85		270	31.87		clear/NO
0656	24.7		~~7.07~~	7.07	7.917		0.28		179.3		7.75		↓	31.86		↓
0700	24.8		7.07		7.914		0.27		180.7		9.5			31.85		
0703	24.8		7.08		7.915		0.34		181.5		5.0			31.86		
0706	24.8		7.08		7.916		0.42		182.1		4.7			31.86		
0709	24.8		7.08		7.917		0.40		182.6		5.2			31.86		
0713	24.8	NO	7.08	NO	7.913	1%	0.50	All	183.4	1.3	6.3	All	↓	31.86	6 1/2	↓
		change		change				<0.5 mg/L		mV		<10 NTU				

Stop Purge Time: 0719	Sample Time: M-140-20200515	QA/QC Sample Time(s): NA	
	Sample ID: 0716	QA/QC Sample ID(s): NA	

Observations/Comments: Last clear DTW 30.8, TD 46.7, Purge Rate 250. Pump settings Refill 14 sec, Discharge 6 sec, pressure 30 psi

Bottle Set Summary

2x	3x VOA w/HCl	1	125 mL Plastic sterile		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
1	125 mL w/EDA	1	250 mL Plastic		250 mL w/H_2SO_4	1	250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity

TETRATECH

LOW FLOW GROUNDWATER SAMPLING LOG

NERT, Henderson, NV

Task Name: GW Monitoring | Task Manager: Jesse Bunkers | Task No: H02 | Date: 5/14/20 | Well ID: M-141

Field Sampler(s): CROCKETT

Transducer Removal Time: N/A | Transducer Redeployment Time: N/A | General Well Condition: GOOD

Depth to Water (ft): 38.10 (41.86) | Screened Interval Top (ft): 39.4 | Pump Intake Depth (ft): 43

Well Depth (ft): 47.20 (47.25) | Screened/Open Interval Bottom (ft): 49.4 | Well Diameter (in): 2

Pump/Tubing Type: QED Bladder Pump & TLPE/LDPE | GW Disposal: GW-11 | Equipment Decon. Method: Alconox/DI Rinse SOP

Y Dedicated Tubing Present? (Y/N) | Y New Dedicated Tubing Placed? (Y/N)

Purge Start Time: 1050

Time	Temp. (°C) READ	Temp. CHANGE*	pH (pH Units) READ	pH CHANGE*	Conductivity (mS/cm) READ	Conductivity CHANGE*	DO (mg/L) READ	DO CHANGE*	ORP (mV) READ	ORP CHANGE*	Turbidity (NTU) READ	Turbidity CHANGE*	Purge Rate (mL/min)	Depth to Water (ft)	Cum. Vol. Purged (L)	Color/Odor
1048	Recheck DTW since Δ from historical is .72 ft													38.10		
1053														38.10		
1056	28.1		6.84		6.152		4.70		191.5		262.56		100	38.10	0.6	red-brown/none
1059	27.0		6.81		6.223		3.83		191.1		194.32		100	38.10	0.9	" "
1102	26.8		6.81		6.234		3.58		191.5		147.81		100	38.10	1.20	" "
1105	26.9		6.81		6.237		3.44		190.0		122.20		100	38.10	1.5	" "
1108	26.9		6.81		6.235		3.33		187.5		95.11		100	38.10	1.8	" "
1111	26.9		6.81		6.235		3.24		185.4		83.58		100	38.10	2.1	" "
1114	26.9		6.82		6.239		3.17		183.5		107.39		100	38.10	2.4	" "
1117	26.7		6.82		6.236		3.08		182.1		59.19		100	38.10	2.7	" "
1120	26.7		6.83		6.227		2.96		180.5		55.36		100	38.10	3.0	" "
1123	26.5	0.4%	6.83	0.01	6.234	0.1%	2.86	7.7%	178.9	3.2	55.36	5.8%	100	38.10	3.3	" "

Stop Purge Time: 1125 | Sample Time: 1135 | Sample ID: M-141-20200514 | QA/QC Sample Time(s): N/A | QA/QC Sample ID(s): N/A

Observations/Comments

Bottle Set Summary

2	3x VOA w/HCl		1	125 mL Plastic		500 mL Plastic		500 mL w/H_2SO_4		500 mL poly w/HNO_3		250 mL Amber Glass w/H_2SO_4
1	125 mL w/EDA		1	250 mL Plastic		250 mL w/H_2SO_4	1	250 mL poly w/HNO_3		250 mL Amber Glass w/H_3PO_4		500 mL Amber Glass

*INDICATOR PARAMETERS HAVE STABILIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
± 0.1 for pH; ± 3% for Cond and Temp; ± 10 mv for ORP; ± 10% or <0.5 mg/L for DO; ± 10% or <10 NTU Turbidity