



May 9, 2023
Updated May 25, 2023
ES-5559.05

Earth Solutions NW LLC

Geotechnical Engineering, Construction
Observation/Testing and Environmental Services

Peter Chen
4709 Memory Lane West
University Place, Washington 98488

**Subject: Groundwater Monitoring Program Summary
Sunset Pointe
2301 – 23rd Street Southeast
Puyallup, Washington**

Reference: Earth Solutions NW, LLC
Geotechnical Engineering Study, ES-5559, updated April 5, 2023

Dear Peter:

As requested, Earth Solutions NW, LLC (ESNW) has prepared this letter summarizing the recently completed groundwater monitoring program for the proposed development.

Groundwater Monitoring

Seasonal groundwater monitoring was conducted at three monitoring locations across the subject development area, which ESNW installed during earlier phases of work for the site. Please reference the attached Plate 1 (Test Pit Location Plan) for the approximate monitoring areas. The monitoring period was conducted from December 16, 2022, through the end of April 2023. Groundwater depths and fluctuations were recorded via hand measurements in combination with daily recordings obtained by dataloggers. The following table depicts the approximate surface elevation of each well, the approximate peak groundwater condition (GWC), the corresponding approximate groundwater elevation, and the occurrence date. Please note that if more precise peak GWC values are necessary, the surface elevations of each well location should be surveyed and recorded by a professional land surveyor.

Monitoring Location	Well	Peak GWC Depth (ft bgs)	Approximate Surface Elevation (ft)	Approximate GWC Elevation (ft)	Peak Date
TP-104		10.6'	384	373.4	12/16/2022*
TP-201		N/A	376	N/A	N/A
TP-202		N/A	388	N/A	N/A

* Peak GWC elevation occurred on multiple dates.

Based on our observations and the recorded conditions, the site does not have a shallow, uniform groundwater table. There were no indications or records of significant subsurface water exposures at TP-201 or TP-202. Data are attached for levels recorded during our monitoring program. A relatively consistent water level was recorded at TP-104; however, in our opinion, represents a minor accumulation of water that could not infiltrate given the soil conditions in the area and not related to groundwater. This correlates with the subsurface conditions encountered at the test pit locations, which consist predominately of dense glacially consolidated deposits with isolated and discontinuous sandy layers.

The opinions and evaluations provided in this letter do not cover unforeseen or changed conditions. ESNW should observe the infiltration surface during construction to confirm soil conditions are as anticipated and to provide supplemental recommendations, if deemed necessary.

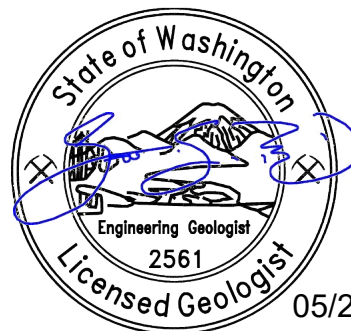
We trust this letter meets your current needs. Should you have any questions regarding the content herein, or require additional information, please call.

Sincerely,

EARTH SOLUTIONS NW, LLC



Chase G. Halsen, L.G., L.E.G.
Senior Project Geologist



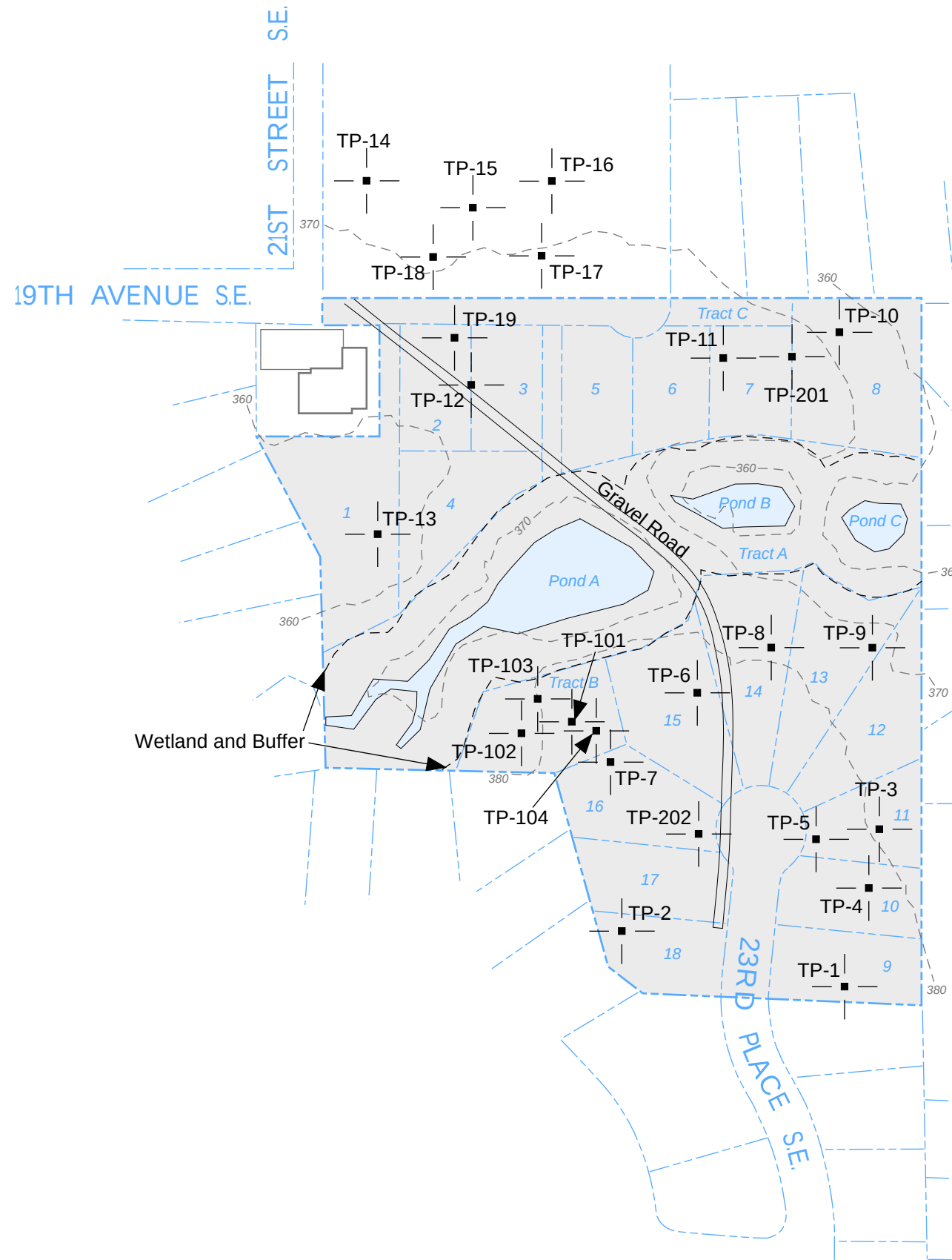
05/25/2023

Scott S. Riegel

Scott S. Riegel, L.G., L.E.G.
Associate Principal Geologist

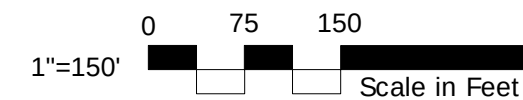
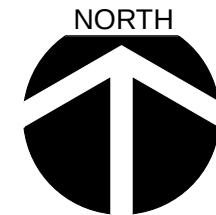
Attachments: Plate 1 – Test Pit Location Plan
Groundwater Level Data

cc: CES NW, Inc.
Attention: Fred Brown, P.E. (Email only)
Dawn Markakis (Email only)



LEGEND

- TP-201 | ■ | Approximate Location of ESNW Test Pit, Proj. No. ES-5559.03, Jan. 2020
- TP-101 | ■ | Approximate Location of ESNW Test Pit, Proj. No. ES-5559, May 2019
- TP-1 | ■ | Approximate Location of ESNW Test Pit, Proj No. ES-5559, Oct. 2017
- | Subject Site
- | Existing Building
- 10 | Proposed Lot Number



NOTE: The graphics shown on this plate are not intended for design purposes or precise scale measurements, but only to illustrate the approximate test locations relative to the approximate locations of existing and / or proposed site features. The information illustrated is largely based on data provided by the client at the time of our study. ESNW cannot be responsible for subsequent design changes or interpretation of the data by others.

NOTE: This plate may contain areas of color. ESNW cannot be responsible for any subsequent misinterpretation of the information resulting from black & white reproductions of this plate.

Test Pit Location Plan
Sunset Pointe
Puyallup, Washington

Earth Solutions NW^{LLC}
Geotechnical Engineering, Construction
Observation/Testing and Environmental Services



Drwn. By
CAM

Checked By
CGH

Date
05/08/2023

Proj. No.
5559.05

Plate
1

Serial_number:
2151506

Project ID:
ES-5559.05 Sunset Pointe
Location: TP-104
Tract Area

LEVEL

UNIT: m

Offset: 0.000000 m

TEMPERATURE

UNIT: °C

Date	Time	ms	LEVEL	TEMPERATURE	M. to Ft.	Approximate Depth from Ground Surface	Highest Recorded Elevation (ft. bgs)	Total Well Depth
12/17/2022	12:00:00 AM		0 0.09	10.95	0.30	10.32	10.19	10.62'
12/18/2022	12:00:00 AM		0 0.093	10.91	0.31	10.31		
12/19/2022	12:00:00 AM		0 0.094	10.876	0.31	10.31		
12/20/2022	12:00:00 AM		0 0.0829	10.868	0.27	10.35		
12/21/2022	12:00:00 AM		0 0.0879	10.824	0.29	10.33		
12/22/2022	12:00:00 AM		0 0.096	10.785	0.31	10.31		
12/23/2022	12:00:00 AM		0 0.0892	10.737	0.29	10.33		
12/24/2022	12:00:00 AM		0 0.0915	10.692	0.30	10.32		
12/25/2022	12:00:00 AM		0 0.0835	10.633	0.27	10.35		
12/26/2022	12:00:00 AM		0 0.0947	10.576	0.31	10.31		
12/27/2022	12:00:00 AM		0 0.0973	10.523	0.32	10.30		
12/28/2022	12:00:00 AM		0 0.1071	10.461	0.35	10.27		
12/29/2022	12:00:00 AM		0 0.0955	10.405	0.31	10.31		
12/30/2022	12:00:00 AM		0 0.1017	10.353	0.33	10.29		
12/31/2022	12:00:00 AM		0 0.1034	10.3	0.34	10.28		
1/1/2023	12:00:00 AM		0 0.1008	10.238	0.33	10.29		
1/2/2023	12:00:00 AM		0 0.1074	10.179	0.35	10.27		
1/3/2023	12:00:00 AM		0 0.1139	10.116	0.37	10.25		
1/4/2023	12:00:00 AM		0 0.1042	10.077	0.34	10.28		
1/5/2023	12:00:00 AM		0 0.1016	10.042	0.33	10.29		
1/6/2023	12:00:00 AM		0 0.1019	10.011	0.33	10.29		
1/7/2023	12:00:00 AM		0 0.0926	9.994	0.30	10.32		
1/8/2023	12:00:00 AM		0 0.1057	9.968	0.35	10.27		
1/9/2023	12:00:00 AM		0 0.0939	9.932	0.31	10.31		
1/10/2023	12:00:00 AM		0 0.0998	9.898	0.33	10.29		
1/11/2023	12:00:00 AM		0 0.1017	9.867	0.33	10.29		
1/12/2023	12:00:00 AM		0 0.0994	9.839	0.33	10.29		
1/13/2023	12:00:00 AM		0 0.1002	9.798	0.33	10.29		
1/14/2023	12:00:00 AM		0 0.1058	9.743	0.35	10.27		
1/15/2023	12:00:00 AM		0 0.11	9.701	0.36	10.26		
1/16/2023	12:00:00 AM		0 0.1114	9.675	0.37	10.25		
1/17/2023	12:00:00 AM		0 0.1018	9.646	0.33	10.29		
1/18/2023	12:00:00 AM		0 0.1005	9.618	0.33	10.29		
1/19/2023	12:00:00 AM		0 0.1085	9.598	0.36	10.26		
1/20/2023	12:00:00 AM		0 0.0949	9.58	0.31	10.31		
1/21/2023	12:00:00 AM		0 0.1039	9.562	0.34	10.28		
1/22/2023	12:00:00 AM		0 0.1085	9.54	0.36	10.26		
1/23/2023	12:00:00 AM		0 0.0967	9.53	0.32	10.30		
1/24/2023	12:00:00 AM		0 0.0972	9.504	0.32	10.30		
1/25/2023	12:00:00 AM		0 0.0949	9.485	0.31	10.31		
1/26/2023	12:00:00 AM		0 0.0933	9.47	0.31	10.31		
1/27/2023	12:00:00 AM		0 0.0965	9.453	0.32	10.30		
1/28/2023	12:00:00 AM		0 0.1028	9.447	0.34	10.28		
1/29/2023	12:00:00 AM		0 0.1187	9.434	0.39	10.23		
1/30/2023	12:00:00 AM		0 0.1099	9.433	0.36	10.26		
1/31/2023	12:00:00 AM		0 0.1093	9.428	0.36	10.26		
2/1/2023	12:00:00 AM		0 0.1135	9.409	0.37	10.25		
2/2/2023	12:00:00 AM		0 0.1138	9.4	0.37	10.25		
2/3/2023	12:00:00 AM		0 0.0977	9.39	0.32	10.30		
2/4/2023	12:00:00 AM		0 0.1072	9.381	0.35	10.27		
2/5/2023	12:00:00 AM		0 0.0929	9.371	0.30	10.32		
2/6/2023	12:00:00 AM		0 0.1056	9.359	0.35	10.27		
2/7/2023	12:00:00 AM		0 0.1161	9.359	0.38	10.24		
2/8/2023	12:00:00 AM		0 0.1181	9.35	0.39	10.23		
2/9/2023	12:00:00 AM		0 0.1137	9.339	0.37	10.25		
2/10/2023	12:00:00 AM		0 0.1242	9.318	0.41	10.21		
2/11/2023	12:00:00 AM		0 0.1226	9.294	0.40	10.22		
2/12/2023	12:00:00 AM		0 0.1254	9.274	0.41	10.21		
2/13/2023	12:00:00 AM		0 0.1182	9.25	0.39	10.23		
2/14/2023	12:00:00 AM		0 0.1175	9.226	0.39	10.23		
2/15/2023	12:00:00 AM		0 0.1124	9.213	0.37	10.25		
2/16/2023	12:00:00 AM		0 0.1208	9.197	0.40	10.22		
2/17/2023	12:00:00 AM		0 0.1257	9.172	0.41	10.21		
2/18/2023	12:00:00 AM		0 0.1102	9.152	0.36	10.26		
2/19/2023	12:00:00 AM		0 0.1139	9.138	0.37	10.25		
2/20/2023	12:00:00 AM		0 0.1087	9.117	0.36	10.26		
2/21/2023	12:00:00 AM		0 0.1106	9.096	0.36	10.26		
2/22/2023	12:00:00 AM		0 0.1276	9.078	0.42	10.20		

2/23/2023	12:00:00 AM	0	0.125	9.059	0.41	10.21
2/24/2023	12:00:00 AM	0	0.1295	9.05	0.42	10.20
2/25/2023	12:00:00 AM	0	0.1189	9.039	0.39	10.23
2/26/2023	12:00:00 AM	0	0.1165	9.024	0.38	10.24
2/27/2023	12:00:00 AM	0	0.1037	9.003	0.34	10.28
2/28/2023	12:00:00 AM	0	0.1229	8.996	0.40	10.22
3/1/2023	12:00:00 AM	0	0.1173	8.981	0.38	10.24
3/2/2023	12:00:00 AM	0	0.1095	8.976	0.36	10.26
3/3/2023	12:00:00 AM	0	0.1059	8.966	0.35	10.27
3/4/2023	12:00:00 AM	0	0.1166	8.955	0.38	10.24
3/5/2023	12:00:00 AM	0	0.1243	8.928	0.41	10.21
3/6/2023	12:00:00 AM	0	0.1125	8.921	0.37	10.25
3/7/2023	12:00:00 AM	0	0.1078	8.909	0.35	10.27
3/8/2023	12:00:00 AM	0	0.1024	8.889	0.34	10.28
3/9/2023	12:00:00 AM	0	0.1064	8.867	0.35	10.27
3/10/2023	12:00:00 AM	0	0.1136	8.85	0.37	10.25
3/11/2023	12:00:00 AM	0	0.1105	8.827	0.36	10.26
3/12/2023	12:00:00 AM	0	0.1058	8.812	0.35	10.27
3/13/2023	12:00:00 AM	0	0.1161	8.789	0.38	10.24
3/14/2023	12:00:00 AM	0	0.1158	8.77	0.38	10.24
3/15/2023	12:00:00 AM	0	0.1249	8.746	0.41	10.21
3/16/2023	12:00:00 AM	0	0.1059	8.725	0.35	10.27
3/17/2023	12:00:00 AM	0	0.1182	8.707	0.39	10.23
3/18/2023	12:00:00 AM	0	0.1069	8.68	0.35	10.27
3/19/2023	12:00:00 AM	0	0.1144	8.663	0.38	10.24
3/20/2023	12:00:00 AM	0	0.1199	8.647	0.39	10.23
3/21/2023	12:00:00 AM	0	0.1093	8.635	0.36	10.26
3/22/2023	12:00:00 AM	0	0.111	8.625	0.36	10.26
3/23/2023	12:00:00 AM	0	0.1072	8.612	0.35	10.27
3/24/2023	12:00:00 AM	0	0.1057	8.603	0.35	10.27
3/25/2023	12:00:00 AM	0	0.1069	8.595	0.35	10.27
3/26/2023	12:00:00 AM	0	0.1041	8.583	0.34	10.28
3/27/2023	12:00:00 AM	0	0.101	8.577	0.33	10.29
3/28/2023	12:00:00 AM	0	0.1103	8.562	0.36	10.26
3/29/2023	12:00:00 AM	0	0.1152	8.554	0.38	10.24
3/30/2023	12:00:00 AM	0	0.1085	8.543	0.36	10.26
3/31/2023	12:00:00 AM	0	0.1	8.538	0.33	10.29
4/1/2023	12:00:00 AM	0	0.1229	8.531	0.40	10.22
4/2/2023	12:00:00 AM	0	0.115	8.526	0.38	10.24
4/3/2023	12:00:00 AM	0	0.117	8.519	0.38	10.24
4/4/2023	12:00:00 AM	0	0.1097	8.505	0.36	10.26
4/5/2023	12:00:00 AM	0	0.103	8.505	0.34	10.28
4/6/2023	12:00:00 AM	0	0.1093	8.495	0.36	10.26
4/7/2023	12:00:00 AM	0	0.1175	8.486	0.39	10.23
4/8/2023	12:00:00 AM	0	0.0978	8.479	0.32	10.30
4/9/2023	12:00:00 AM	0	0.1014	8.468	0.33	10.29
4/10/2023	12:00:00 AM	0	0.105	8.461	0.34	10.28
4/11/2023	12:00:00 AM	0	0.111	8.451	0.36	10.26
4/12/2023	12:00:00 AM	0	0.1063	8.44	0.35	10.27
4/13/2023	12:00:00 AM	0	0.1055	8.434	0.35	10.27
4/14/2023	12:00:00 AM	0	0.1075	8.43	0.35	10.27
4/15/2023	12:00:00 AM	0	0.1092	8.428	0.36	10.26
4/16/2023	12:00:00 AM	0	0.1044	8.433	0.34	10.28
4/17/2023	12:00:00 AM	0	0.1076	8.435	0.35	10.27
4/18/2023	12:00:00 AM	0	0.1252	8.436	0.41	10.21
4/19/2023	12:00:00 AM	0	0.1105	8.437	0.36	10.26
4/20/2023	12:00:00 AM	0	0.1105	8.437	0.36	10.26
4/21/2023	12:00:00 AM	0	0.1177	8.442	0.39	10.23
4/22/2023	12:00:00 AM	0	0.1061	8.449	0.35	10.27
4/23/2023	12:00:00 AM	0	0.1193	8.455	0.39	10.23
4/24/2023	12:00:00 AM	0	0.1164	8.46	0.38	10.24
4/25/2023	12:00:00 AM	0	0.1126	8.46	0.37	10.25
4/26/2023	12:00:00 AM	0	0.108	8.461	0.35	10.27
4/27/2023	12:00:00 AM	0	0.109	8.465	0.36	10.26
4/28/2023	12:00:00 AM	0	0.1171	8.471	0.38	10.24
4/29/2023	12:00:00 AM	0	0.1321	8.48	0.43	10.19
4/30/2023	12:00:00 AM	0	0.1172	8.486	0.38	10.24
5/1/2023	12:00:00 AM	0	0.1046	8.496	0.34	10.28

Serial_number:
2151508
Project ID:
TP-201
Location: TP-201
ES-5559.05
LEVEL
UNIT: m
Offset: 0.000000 m
TEMPERATURE
UNIT: °C

Date	Time	ms	LEVEL	TEMPERATURE	M. to Ft.	Approximate Depth from Ground Surface	Highest Recorded Elevation (ft. bgs)	Total Well Depth
12/17/2022	12:00:00 AM	0	-0.0351	10.223	-0.12	7.92	6.79	7.8'
12/18/2022	12:00:00 AM	0	-0.0309	10.164	-0.10	7.90		
12/19/2022	12:00:00 AM	0	-0.0237	10.111	-0.08	7.88		
12/20/2022	12:00:00 AM	0	-0.0398	10.06	-0.13	7.93		
12/21/2022	12:00:00 AM	0	-0.0254	10.012	-0.08	7.88		
12/22/2022	12:00:00 AM	0	-0.0344	9.941	-0.11	7.91		
12/23/2022	12:00:00 AM	0	-0.0432	9.883	-0.14	7.94		
12/24/2022	12:00:00 AM	0	-0.0342	9.824	-0.11	7.91		
12/25/2022	12:00:00 AM	0	-0.0424	9.801	-0.14	7.94		
12/26/2022	12:00:00 AM	0	-0.0282	9.714	-0.09	7.89		
12/27/2022	12:00:00 AM	0	-0.0159	9.582	-0.05	7.85		
12/28/2022	12:00:00 AM	0	0.3065	8.343	1.01	6.79 Outliers		
12/29/2022	12:00:00 AM	0	0.1625	8.321	0.53	7.27		
12/30/2022	12:00:00 AM	0	-0.0064	8.868	-0.02	7.82		
12/31/2022	12:00:00 AM	0	-0.01	8.86	-0.03	7.83		
1/1/2023	12:00:00 AM	0	-0.0272	8.817	-0.09	7.89		
1/2/2023	12:00:00 AM	0	-0.0366	8.8	-0.12	7.92		
1/3/2023	12:00:00 AM	0	-0.0266	8.8	-0.09	7.89		
1/4/2023	12:00:00 AM	0	-0.0229	8.804	-0.08	7.88		
1/5/2023	12:00:00 AM	0	-0.0429	8.811	-0.14	7.94		
1/6/2023	12:00:00 AM	0	-0.0249	8.817	-0.08	7.88		
1/7/2023	12:00:00 AM	0	-0.0342	8.822	-0.11	7.91		
1/8/2023	12:00:00 AM	0	-0.0391	8.826	-0.13	7.93		
1/9/2023	12:00:00 AM	0	-0.038	8.824	-0.12	7.92		
1/10/2023	12:00:00 AM	0	-0.0284	8.818	-0.09	7.89		
1/11/2023	12:00:00 AM	0	-0.0268	8.806	-0.09	7.89		
1/12/2023	12:00:00 AM	0	-0.0283	8.795	-0.09	7.89		
1/13/2023	12:00:00 AM	0	-0.0425	8.782	-0.14	7.94		
1/14/2023	12:00:00 AM	0	-0.0352	8.764	-0.12	7.92		
1/15/2023	12:00:00 AM	0	-0.0322	8.758	-0.11	7.91		
1/16/2023	12:00:00 AM	0	-0.0278	8.732	-0.09	7.89		
1/17/2023	12:00:00 AM	0	-0.0262	8.705	-0.09	7.89		
1/18/2023	12:00:00 AM	0	-0.0354	8.678	-0.12	7.92		
1/19/2023	12:00:00 AM	0	-0.0217	8.659	-0.07	7.87		
1/20/2023	12:00:00 AM	0	-0.0348	8.648	-0.11	7.91		
1/21/2023	12:00:00 AM	0	-0.0317	8.639	-0.10	7.90		
1/22/2023	12:00:00 AM	0	-0.0237	8.633	-0.08	7.88		
1/23/2023	12:00:00 AM	0	-0.0312	8.629	-0.10	7.90		
1/24/2023	12:00:00 AM	0	-0.0296	8.623	-0.10	7.90		
1/25/2023	12:00:00 AM	0	-0.0295	8.616	-0.10	7.90		
1/26/2023	12:00:00 AM	0	-0.0345	8.605	-0.11	7.91		
1/27/2023	12:00:00 AM	0	-0.0479	8.594	-0.16	7.96		
1/28/2023	12:00:00 AM	0	-0.0402	8.584	-0.13	7.93		
1/29/2023	12:00:00 AM	0	-0.0198	8.58	-0.06	7.86		
1/30/2023	12:00:00 AM	0	-0.0281	8.568	-0.09	7.89		
1/31/2023	12:00:00 AM	0	-0.0331	8.553	-0.11	7.91		
2/1/2023	12:00:00 AM	0	-0.0278	8.543	-0.09	7.89		
2/2/2023	12:00:00 AM	0	-0.0268	8.531	-0.09	7.89		
2/3/2023	12:00:00 AM	0	-0.0424	8.519	-0.14	7.94		
2/4/2023	12:00:00 AM	0	-0.0289	8.508	-0.09	7.89		
2/5/2023	12:00:00 AM	0	-0.0467	8.493	-0.15	7.95		
2/6/2023	12:00:00 AM	0	-0.0216	8.474	-0.07	7.87		
2/7/2023	12:00:00 AM	0	-0.0358	8.454	-0.12	7.92		
2/8/2023	12:00:00 AM	0	-0.0235	8.432	-0.08	7.88		
2/9/2023	12:00:00 AM	0	-0.0378	8.409	-0.12	7.92		
2/10/2023	12:00:00 AM	0	-0.0288	8.391	-0.09	7.89		
2/11/2023	12:00:00 AM	0	-0.0289	8.364	-0.09	7.89		
2/12/2023	12:00:00 AM	0	-0.031	8.34	-0.10	7.90		
2/13/2023	12:00:00 AM	0	-0.0379	8.321	-0.12	7.92		
2/14/2023	12:00:00 AM	0	-0.0354	8.302	-0.12	7.92		
2/15/2023	12:00:00 AM	0	-0.0427	8.286	-0.14	7.94		
2/16/2023	12:00:00 AM	0	-0.0346	8.27	-0.11	7.91		
2/17/2023	12:00:00 AM	0	-0.0268	8.255	-0.09	7.89		
2/18/2023	12:00:00 AM	0	-0.0293	8.239	-0.10	7.90		
2/19/2023	12:00:00 AM	0	-0.0265	8.224	-0.09	7.89		
2/20/2023	12:00:00 AM	0	-0.0343	8.21	-0.11	7.91		
2/21/2023	12:00:00 AM	0	-0.045	8.192	-0.15	7.95		
2/22/2023	12:00:00 AM	0	-0.0289	8.174	-0.09	7.89		
2/23/2023	12:00:00 AM	0	-0.0298	8.157	-0.10	7.90		
2/24/2023	12:00:00 AM	0	-0.0225	8.132	-0.07	7.87		
2/25/2023	12:00:00 AM	0	-0.0349	8.115	-0.11	7.91		

2/26/2023	12:00:00 AM	0	-0.039	8.098	-0.13	7.93
2/27/2023	12:00:00 AM	0	-0.0298	8.084	-0.10	7.90
2/28/2023	12:00:00 AM	0	-0.0317	8.068	-0.10	7.90
3/1/2023	12:00:00 AM	0	-0.0204	8.057	-0.07	7.87
3/2/2023	12:00:00 AM	0	-0.0329	8.039	-0.11	7.91
3/3/2023	12:00:00 AM	0	-0.0313	8.022	-0.10	7.90
3/4/2023	12:00:00 AM	0	-0.0375	8	-0.12	7.92
3/5/2023	12:00:00 AM	0	-0.0246	7.976	-0.08	7.88
3/6/2023	12:00:00 AM	0	-0.0249	7.953	-0.08	7.88
3/7/2023	12:00:00 AM	0	-0.0298	7.932	-0.10	7.90
3/8/2023	12:00:00 AM	0	-0.0377	7.907	-0.12	7.92
3/9/2023	12:00:00 AM	0	-0.0319	7.881	-0.10	7.90
3/10/2023	12:00:00 AM	0	-0.0388	7.86	-0.13	7.93
3/11/2023	12:00:00 AM	0	-0.0241	7.833	-0.08	7.88
3/12/2023	12:00:00 AM	0	-0.035	7.811	-0.11	7.91
3/13/2023	12:00:00 AM	0	-0.0355	7.79	-0.12	7.92
3/14/2023	12:00:00 AM	0	-0.0252	7.767	-0.08	7.88
3/15/2023	12:00:00 AM	0	-0.022	7.74	-0.07	7.87
3/16/2023	12:00:00 AM	0	-0.03	7.705	-0.10	7.90
3/17/2023	12:00:00 AM	0	-0.028	7.673	-0.09	7.89
3/18/2023	12:00:00 AM	0	-0.0322	7.646	-0.11	7.91
3/19/2023	12:00:00 AM	0	-0.0362	7.628	-0.12	7.92
3/20/2023	12:00:00 AM	0	-0.0305	7.616	-0.10	7.90
3/21/2023	12:00:00 AM	0	-0.0318	7.604	-0.10	7.90
3/22/2023	12:00:00 AM	0	-0.0302	7.598	-0.10	7.90
3/23/2023	12:00:00 AM	0	-0.0267	7.593	-0.09	7.89
3/24/2023	12:00:00 AM	0	-0.0281	7.587	-0.09	7.89
3/25/2023	12:00:00 AM	0	-0.0263	7.585	-0.09	7.89
3/26/2023	12:00:00 AM	0	-0.0319	0.941	-0.10	7.90
3/27/2023	12:00:00 AM	0	-0.0319	7.231	-0.10	7.90
3/28/2023	12:00:00 AM	0	-0.039	7.251	-0.13	7.93
3/29/2023	12:00:00 AM	0	-0.0314	7.375	-0.10	7.90
3/30/2023	12:00:00 AM	0	-0.0326	7.394	-0.11	7.91
3/31/2023	12:00:00 AM	0	-0.0313	7.411	-0.10	7.90
4/1/2023	12:00:00 AM	0	-0.0231	7.431	-0.08	7.88
4/2/2023	12:00:00 AM	0	-0.0328	7.444	-0.11	7.91
4/3/2023	12:00:00 AM	0	-0.0273	7.455	-0.09	7.89
4/4/2023	12:00:00 AM	0	-0.03	7.47	-0.10	7.90
4/5/2023	12:00:00 AM	0	-0.0284	7.486	-0.09	7.89
4/6/2023	12:00:00 AM	0	-0.0372	7.5	-0.12	7.92
4/7/2023	12:00:00 AM	0	-0.0286	7.517	-0.09	7.89
4/8/2023	12:00:00 AM	0	-0.0321	7.531	-0.11	7.91
4/9/2023	12:00:00 AM	0	-0.0294	7.545	-0.10	7.90
4/10/2023	12:00:00 AM	0	-0.0279	7.557	-0.09	7.89
4/11/2023	12:00:00 AM	0	0.027	7.566	0.09	7.71
4/12/2023	12:00:00 AM	0	-0.029	7.616	-0.10	7.90
4/13/2023	12:00:00 AM	0	-0.0382	7.633	-0.13	7.93
4/14/2023	12:00:00 AM	0	-0.0302	7.655	-0.10	7.90
4/15/2023	12:00:00 AM	0	-0.0277	7.681	-0.09	7.89
4/16/2023	12:00:00 AM	0	-0.0377	7.706	-0.12	7.92
4/17/2023	12:00:00 AM	0	-0.0315	7.735	-0.10	7.90
4/18/2023	12:00:00 AM	0	-0.0287	7.764	-0.09	7.89
4/19/2023	12:00:00 AM	0	-0.0276	7.793	-0.09	7.89
4/20/2023	12:00:00 AM	0	-0.027	7.819	-0.09	7.89
4/21/2023	12:00:00 AM	0	-0.0201	7.851	-0.07	7.87
4/22/2023	12:00:00 AM	0	-0.0355	7.876	-0.12	7.92
4/23/2023	12:00:00 AM	0	-0.0367	7.898	-0.12	7.92
4/24/2023	12:00:00 AM	0	-0.0247	7.931	-0.08	7.88
4/25/2023	12:00:00 AM	0	-0.027	7.945	-0.09	7.89
4/26/2023	12:00:00 AM	0	-0.0319	7.964	-0.10	7.90
4/27/2023	12:00:00 AM	0	-0.0306	7.985	-0.10	7.90
4/28/2023	12:00:00 AM	0	-0.0302	8.009	-0.10	7.90
4/29/2023	12:00:00 AM	0	-0.0221	8.035	-0.07	7.87
4/30/2023	12:00:00 AM	0	-0.029	8.066	-0.10	7.90
5/1/2023	12:00:00 AM	0	-0.0309	8.101	-0.10	7.90

Serial_number:

2151491

Project ID:

ES-5559.05 Sunset Pointe

Location:

TP-202

TP-202

LEVEL

W

UNIT: m

Offset: 0.000000 m

TEMPERATURE

UNIT: °C

Date	Time	ms	LEVEL	TEMPERATURE	M to Ft.	Approximate Depth from Ground Surface	Highest Recorded Elevation (ft. bgs)	Total Well Depth
12/17/2022	12:00:00 AM		0 -0.0393	10.92	-0.13	7.88	6.94	7.75'
12/18/2022	12:00:00 AM		0 -0.0344	10.858	-0.11	7.86		
12/19/2022	12:00:00 AM		0 -0.0277	10.785	-0.09	7.84		
12/20/2022	12:00:00 AM		0 -0.0436	10.741	-0.14	7.89		
12/21/2022	12:00:00 AM		0 -0.0299	10.676	-0.10	7.85		
12/22/2022	12:00:00 AM		0 -0.0393	10.613	-0.13	7.88		
12/23/2022	12:00:00 AM		0 -0.0469	10.561	-0.15	7.90		
12/24/2022	12:00:00 AM		0 -0.0381	10.495	-0.12	7.87		
12/25/2022	12:00:00 AM		0 -0.037	9.883	-0.12	7.87		
12/26/2022	12:00:00 AM		0 -0.0459	9.897	-0.15	7.90		
12/27/2022	12:00:00 AM		0 0.2456	7.589	0.81	6.94	Outliers	
12/28/2022	12:00:00 AM		0 0.1281	7.625	0.42	7.33		
12/29/2022	12:00:00 AM		0 -0.0426	8.327	-0.14	7.89		
12/30/2022	12:00:00 AM		0 -0.0419	8.677	-0.14	7.89		
12/31/2022	12:00:00 AM		0 -0.0254	8.737	-0.08	7.83		
1/1/2023	12:00:00 AM		0 -0.0298	8.847	-0.10	7.85		
1/2/2023	12:00:00 AM		0 -0.0388	8.979	-0.13	7.88		
1/3/2023	12:00:00 AM		0 -0.0286	9.074	-0.09	7.84		
1/4/2023	12:00:00 AM		0 -0.0248	9.142	-0.08	7.83		
1/5/2023	12:00:00 AM		0 -0.0436	9.202	-0.14	7.89		
1/6/2023	12:00:00 AM		0 -0.0268	9.229	-0.09	7.84		
1/7/2023	12:00:00 AM		0 -0.0365	9.258	-0.12	7.87		
1/8/2023	12:00:00 AM		0 -0.0404	9.277	-0.13	7.88		
1/9/2023	12:00:00 AM		0 -0.0398	9.284	-0.13	7.88		
1/10/2023	12:00:00 AM		0 -0.0302	9.283	-0.10	7.85		
1/11/2023	12:00:00 AM		0 -0.0282	9.279	-0.09	7.84		
1/12/2023	12:00:00 AM		0 -0.0303	9.275	-0.10	7.85		
1/13/2023	12:00:00 AM		0 -0.0454	9.279	-0.15	7.90		
1/14/2023	12:00:00 AM		0 -0.0382	9.26	-0.13	7.88		
1/15/2023	12:00:00 AM		0 -0.0349	9.234	-0.11	7.86		
1/16/2023	12:00:00 AM		0 -0.0308	9.214	-0.10	7.85		
1/17/2023	12:00:00 AM		0 -0.0302	9.188	-0.10	7.85		
1/18/2023	12:00:00 AM		0 -0.0392	9.184	-0.13	7.88		
1/19/2023	12:00:00 AM		0 -0.0256	9.176	-0.08	7.83		
1/20/2023	12:00:00 AM		0 -0.0395	9.174	-0.13	7.88		
1/21/2023	12:00:00 AM		0 -0.036	9.176	-0.12	7.87		

1/22/2023	12:00:00 AM	0	-0.0278	9.17	-0.09	7.84
1/23/2023	12:00:00 AM	0	-0.0356	9.169	-0.12	7.87
1/24/2023	12:00:00 AM	0	-0.0379	9.158	-0.12	7.87
1/25/2023	12:00:00 AM	0	-0.056	9.151	-0.18	7.93
1/26/2023	12:00:00 AM	0	-0.0332	9.144	-0.11	7.86
1/27/2023	12:00:00 AM	0	-0.0297	9.137	-0.10	7.85
1/28/2023	12:00:00 AM	0	-0.0443	9.13	-0.15	7.90
1/29/2023	12:00:00 AM	0	-0.0244	9.106	-0.08	7.83
1/30/2023	12:00:00 AM	0	-0.033	9.089	-0.11	7.86
1/31/2023	12:00:00 AM	0	-0.0373	9.074	-0.12	7.87
2/1/2023	12:00:00 AM	0	-0.0324	9.059	-0.11	7.86
2/2/2023	12:00:00 AM	0	-0.0313	9.041	-0.10	7.85
2/3/2023	12:00:00 AM	0	-0.0466	9.028	-0.15	7.90
2/4/2023	12:00:00 AM	0	-0.0332	9.003	-0.11	7.86
2/5/2023	12:00:00 AM	0	-0.0504	8.989	-0.17	7.92
2/6/2023	12:00:00 AM	0	-0.0264	8.957	-0.09	7.84
2/7/2023	12:00:00 AM	0	-0.0399	8.934	-0.13	7.88
2/8/2023	12:00:00 AM	0	-0.0287	8.902	-0.09	7.84
2/9/2023	12:00:00 AM	0	-0.0423	8.876	-0.14	7.89
2/10/2023	12:00:00 AM	0	-0.0269	8.851	-0.09	7.84
2/11/2023	12:00:00 AM	0	-0.036	8.819	-0.12	7.87
2/12/2023	12:00:00 AM	0	-0.0318	8.793	-0.10	7.85
2/13/2023	12:00:00 AM	0	-0.0241	8.77	-0.08	7.83
2/14/2023	12:00:00 AM	0	-0.039	8.745	-0.13	7.88
2/15/2023	12:00:00 AM	0	-0.032	8.725	-0.10	7.85
2/16/2023	12:00:00 AM	0	-0.0386	8.708	-0.13	7.88
2/17/2023	12:00:00 AM	0	-0.0313	8.689	-0.10	7.85
2/18/2023	12:00:00 AM	0	-0.0336	8.676	-0.11	7.86
2/19/2023	12:00:00 AM	0	-0.0309	8.657	-0.10	7.85
2/20/2023	12:00:00 AM	0	-0.0383	8.641	-0.13	7.88
2/21/2023	12:00:00 AM	0	-0.0472	8.622	-0.15	7.90
2/22/2023	12:00:00 AM	0	-0.0323	8.601	-0.11	7.86
2/23/2023	12:00:00 AM	0	-0.0338	8.585	-0.11	7.86
2/24/2023	12:00:00 AM	0	-0.0272	8.546	-0.09	7.84
2/25/2023	12:00:00 AM	0	-0.0393	8.535	-0.13	7.88
2/26/2023	12:00:00 AM	0	-0.042	8.521	-0.14	7.89
2/27/2023	12:00:00 AM	0	-0.0338	8.505	-0.11	7.86
2/28/2023	12:00:00 AM	0	-0.0346	8.491	-0.11	7.86
3/1/2023	12:00:00 AM	0	-0.025	8.468	-0.08	7.83
3/2/2023	12:00:00 AM	0	-0.0371	8.453	-0.12	7.87
3/3/2023	12:00:00 AM	0	-0.0356	8.431	-0.12	7.87
3/4/2023	12:00:00 AM	0	-0.0408	8.405	-0.13	7.88
3/5/2023	12:00:00 AM	0	-0.0274	8.378	-0.09	7.84
3/6/2023	12:00:00 AM	0	-0.0281	8.35	-0.09	7.84
3/7/2023	12:00:00 AM	0	-0.0334	8.323	-0.11	7.86
3/8/2023	12:00:00 AM	0	-0.0411	8.298	-0.13	7.88
3/9/2023	12:00:00 AM	0	-0.0355	8.271	-0.12	7.87
3/10/2023	12:00:00 AM	0	-0.0415	8.254	-0.14	7.89

3/11/2023	12:00:00 AM	0	-0.0285	8.219	-0.09	7.84
3/12/2023	12:00:00 AM	0	-0.0391	8.194	-0.13	7.88
3/13/2023	12:00:00 AM	0	-0.0384	8.172	-0.13	7.88
3/14/2023	12:00:00 AM	0	-0.0296	8.119	-0.10	7.85
3/15/2023	12:00:00 AM	0	-0.0264	8.068	-0.09	7.84
3/16/2023	12:00:00 AM	0	-0.0348	8.048	-0.11	7.86
3/17/2023	12:00:00 AM	0	-0.032	8.037	-0.10	7.85
3/18/2023	12:00:00 AM	0	-0.0361	8.025	-0.12	7.87
3/19/2023	12:00:00 AM	0	-0.0399	8.015	-0.13	7.88
3/20/2023	12:00:00 AM	0	-0.034	8.004	-0.11	7.86
3/21/2023	12:00:00 AM	0	-0.0358	7.988	-0.12	7.87
3/22/2023	12:00:00 AM	0	-0.0338	7.981	-0.11	7.86
3/23/2023	12:00:00 AM	0	-0.0307	7.971	-0.10	7.85
3/24/2023	12:00:00 AM	0	-0.0318	7.965	-0.10	7.85
3/25/2023	12:00:00 AM	0	-0.0306	7.963	-0.10	7.85
3/26/2023	12:00:00 AM	0	-0.0335	7.963	-0.11	7.86
3/27/2023	12:00:00 AM	0	-0.0361	7.968	-0.12	7.87
3/28/2023	12:00:00 AM	0	-0.0422	7.975	-0.14	7.89
3/29/2023	12:00:00 AM	0	-0.0347	7.982	-0.11	7.86
3/30/2023	12:00:00 AM	0	-0.0359	7.99	-0.12	7.87
3/31/2023	12:00:00 AM	0	-0.0348	8	-0.11	7.86
4/1/2023	12:00:00 AM	0	-0.0263	8.014	-0.09	7.84
4/2/2023	12:00:00 AM	0	-0.0364	8.022	-0.12	7.87
4/3/2023	12:00:00 AM	0	-0.0318	8.028	-0.10	7.85
4/4/2023	12:00:00 AM	0	-0.0336	8.04	-0.11	7.86
4/5/2023	12:00:00 AM	0	-0.0326	8.046	-0.11	7.86
4/6/2023	12:00:00 AM	0	-0.041	8.06	-0.13	7.88
4/7/2023	12:00:00 AM	0	-0.0322	8.07	-0.11	7.86
4/8/2023	12:00:00 AM	0	-0.036	8.08	-0.12	7.87
4/9/2023	12:00:00 AM	0	-0.0333	8.084	-0.11	7.86
4/10/2023	12:00:00 AM	0	-0.0321	8.063	-0.11	7.86
4/11/2023	12:00:00 AM	0	0.0604	7.788	0.20	7.55
4/12/2023	12:00:00 AM	0	-0.0326	7.876	-0.11	7.86
4/13/2023	12:00:00 AM	0	-0.0368	7.945	-0.12	7.87
4/14/2023	12:00:00 AM	0	-0.034	8.003	-0.11	7.86
4/15/2023	12:00:00 AM	0	-0.0315	8.05	-0.10	7.85
4/16/2023	12:00:00 AM	0	-0.041	8.094	-0.13	7.88
4/17/2023	12:00:00 AM	0	-0.035	8.126	-0.11	7.86
4/18/2023	12:00:00 AM	0	-0.0312	8.158	-0.10	7.85
4/19/2023	12:00:00 AM	0	-0.0311	8.188	-0.10	7.85
4/20/2023	12:00:00 AM	0	-0.031	8.216	-0.10	7.85
4/21/2023	12:00:00 AM	0	-0.0241	8.246	-0.08	7.83
4/22/2023	12:00:00 AM	0	-0.039	8.275	-0.13	7.88
4/23/2023	12:00:00 AM	0	-0.0393	8.299	-0.13	7.88
4/24/2023	12:00:00 AM	0	-0.0276	8.32	-0.09	7.84
4/25/2023	12:00:00 AM	0	-0.031	8.338	-0.10	7.85
4/26/2023	12:00:00 AM	0	-0.0352	8.359	-0.12	7.87
4/27/2023	12:00:00 AM	0	-0.0342	8.377	-0.11	7.86

4/28/2023	12:00:00 AM	0	-0.0333	8.398	-0.11	7.86
4/29/2023	12:00:00 AM	0	-0.0251	8.415	-0.08	7.83
4/30/2023	12:00:00 AM	0	-0.032	8.443	-0.10	7.85
5/1/2023	12:00:00 AM	0	-0.034	8.466	-0.11	7.86