



August 28, 2023

Ms. Katie Haley
Town Manager
Town of Fryeburg
16 Lovewell Pond Road
Fryeburg, Maine 04037

RE: Q2 2023 Reporting – Rainmaker Spring Site (on behalf of Poland Spring)

INTRODUCTION

Luetje Geological Services (LGS), an independent hydrogeologic consulting firm, has been contracted by Poland Spring to collect and compile the monitoring data from the Rainmaker Spring site. This quarterly report (Q2 – April - June 2023) presents monitoring results for the Rainmaker Spring site and satisfies the requirements under local Town Ordinance 17G: *Groundwater and/or Spring Water Extraction*, the Approved Land Use Authorization. Monitoring activities include the following:

- Weekly depth to water measurements in five monitoring wells and four piezometers;
- Weekly monitoring of surface water elevation on Wards Pond at Route 113 and west of the site proximate to Spring 2, when possible;
- Weekly flow measurements from Spring 1 and 2, when possible;
- Record of groundwater withdrawal (gallons pumped); and
- Precipitation tracking (Fryeburg Eastern Slopes Airport (ICAO Station KIZG, Northeast Regional Climate Center)).

Figure 1 (Site Map) is provided at the end of this letter report and shows all monitoring locations.

GROUNDWATER

Groundwater levels are measured in five monitoring wells at locations shown in Figure 1. All monitoring data is tabulated and located in Table 1. A graphical representation of groundwater elevations, and weekly precipitation, is provided in Figure 2.

During Q2 2023, groundwater levels, as measured in MW-1 through MW-5, showed an increase in groundwater levels (approximately two foot) until mid to late May, at which point a decline in groundwater levels (approximately one foot) was observed. The increase in groundwater levels is representative of recharge from spring melt and above average precipitation. The decline in groundwater levels is representative of typical early summer conditions.

Beginning with the June 7, 2023 monitoring event, erratic groundwater level readings were being observed at most monitoring well locations, caused by a malfunctioning water level meter. This issue will become more evident during Q3 2023 as the plot (Figure 2) expands into that time frame. A new meter was ordered in July, and arrived in late August.

The Palmer Hydrological Drought Index measures hydrological impacts of drought which take longer to develop and longer to recover from, characterizing groundwater conditions more

accurately. According to the Palmer Hydrological Drought Index, the Fryeburg area experienced normal to moderately moist conditions from April through June 2023¹, resulting in average to above average groundwater levels across the site for this time of year.

SURFACE WATER

Surface water monitoring is conducted at two locations. SG-1 is located in Wards Pond west of Spring-2. WPMP-1 is located on the upstream side of Route 113 in Wards Pond (see Figure 1). A graphical representation of surface water elevations is shown in Figure 3.

No surface water measurements were made at SG-1 during Q2 2023 due to persistent flooded conditions. At WPMP-1, surface water elevations ranged between 396.99 to 397.91 feet NAVD88 during Q2 2023. The peak Q2 surface water elevation at WPMP-1 is clearly seen on Figure 3. This was recorded during the May 3, 2023 monitoring event, resulting from over four inches of precipitation recorded over the previous three days (from 4/30/23 – 5/2/23).

PIEZOMETER WATER LEVELS

Water levels are measured at two piezometers located adjacent to each spring. PZ-21D and PZ-21S are located near Spring 1 and P-1 and P-2 are located near Spring 2 (see Figure 1). A graphical representation of piezometer water elevations is shown in Figure 3.

Water levels in all piezometers demonstrated similar seasonal trends through Q2 2023. Water levels increased by approximately 1/3 foot from the beginning of April to early May 2023 followed by a decline in levels by approximately ¼ foot by the end of May. Water levels generally remained steady until the end of Q2 2023.

SPRING FLOW

During Q2 2023, Spring-1 flow was first measured during the May 9, 2023 monitoring event. Flooded conditions were observed prior. Flow from Spring-1 ranged from 8.75 to 10.00 liters per minute. Spring-2 flow is more difficult to measure due to its lack of gradient; however, flowing conditions were observed throughout Q2 2023. Flow measurement data is presented in Table 1.

PRECIPITATION

Precipitation data has been obtained from the Fryeburg Eastern Slopes Airport (ICAO Station KIZG, Northeast Regional Climate Center), located approximately two miles to the south of the site. Missing data from the airport station are supplemented with data collected from an on-site rain gauge located at the Evergreen Spring load station. During Q2 2023 (between the dates 3/31/2023 – 6/29/2023), KIZG recorded 14.31 inches of precipitation (Figure 2 and Figure 3).

WITHDRAWALS

Poland Spring did not withdraw any water from the Rainmaker Spring site production well during Q2 2023.

CONCLUSIONS

- During Q2 2023, groundwater elevations demonstrated typical seasonal trends; spring recharge followed by a summer decline. Piezometer water levels demonstrated similar seasonal trends during Q2 2023.
- During Q2 2023, no surface water measurements were made at SG-1 due to frozen and flooded conditions. Surface water levels at WPMP-1 ranged from 399.99 to 397.91 feet NAVD88.
- During Q2 2023 (between the dates 3/31/2023 – 6/29/2023), KIZG recorded 14.31 inches of precipitation.
- During Q2 2023, flow from Spring-1 ranged from 8.75 to 10.00 liters per minute. Flow from Spring-2 is more difficult to measure; however, flowing conditions were observed throughout Q2 2023.
- Poland Spring did not withdraw any water from the Rainmaker Spring site production well during Q2 2023.

If you have any questions regarding the data included in this report, please do not hesitate to contact me at (207) 415-9898.

Sincerely,
Luetje Geological Services, LLC

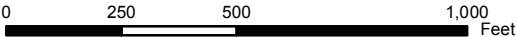


Ed Luetje L.G.

cc: Poland Spring (Mr. Mark Dubois)
Poland Spring (Mr. Iain Kurry)
Town of Fryeburg, CEO ()



FIGURE 1
RAINMAKER SPRING SITE MAP
FRYEBURG, MAINE



Notes:
1. Imagery provided by USDA National Agricultural
Imagery Program 2018.

N
Date:
1/27/2022

LCS
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153 Flying Point Road
Fryeburg, Maine 04032
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FIGURE 2
GROUNDWATER ELEVATION DATA - WEEKLY PRECIPITATION

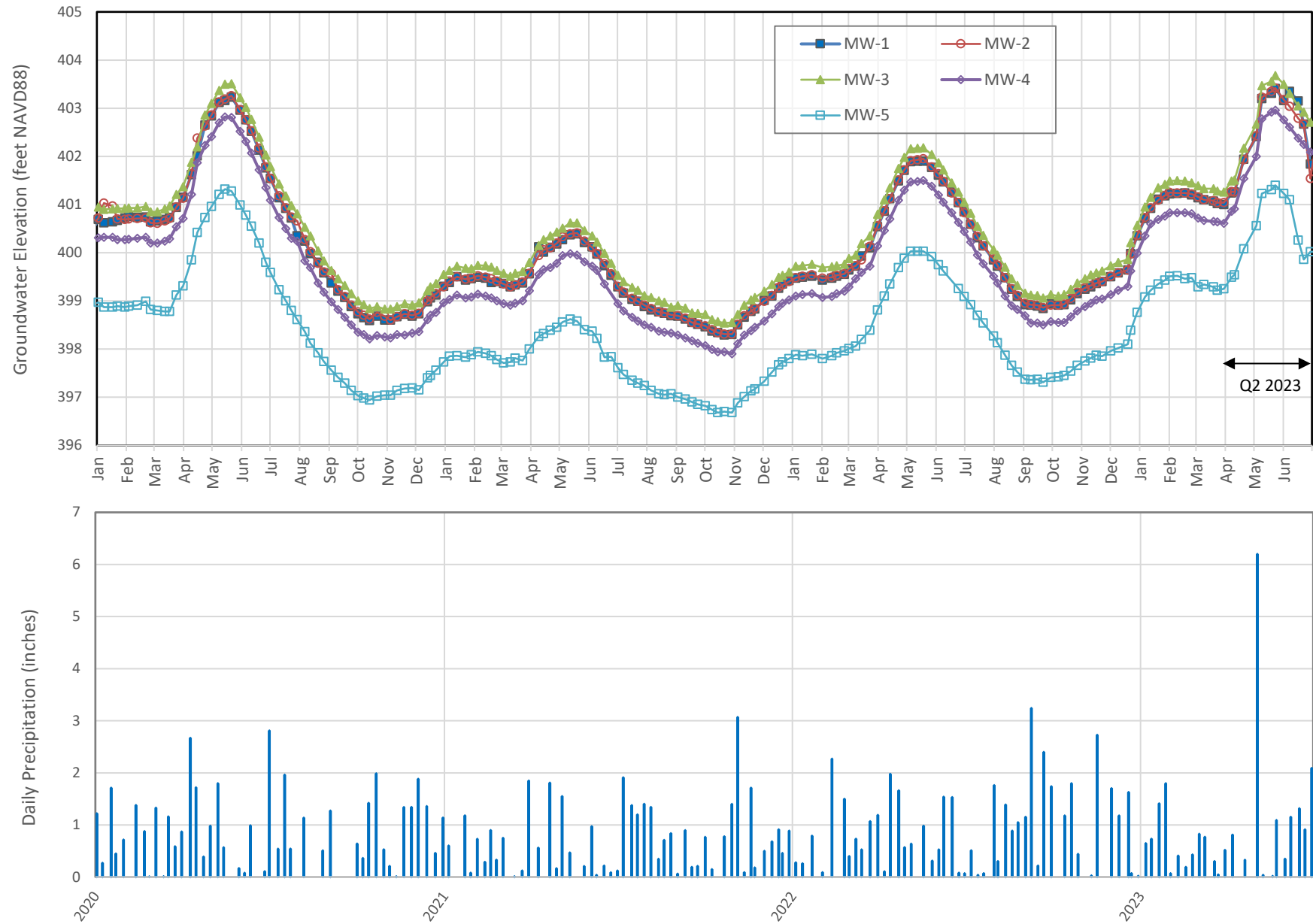


FIGURE 3
SURFACE WATER and PIEZOMETER ELEVATION DATA - WEEKLY PRECIPITATION

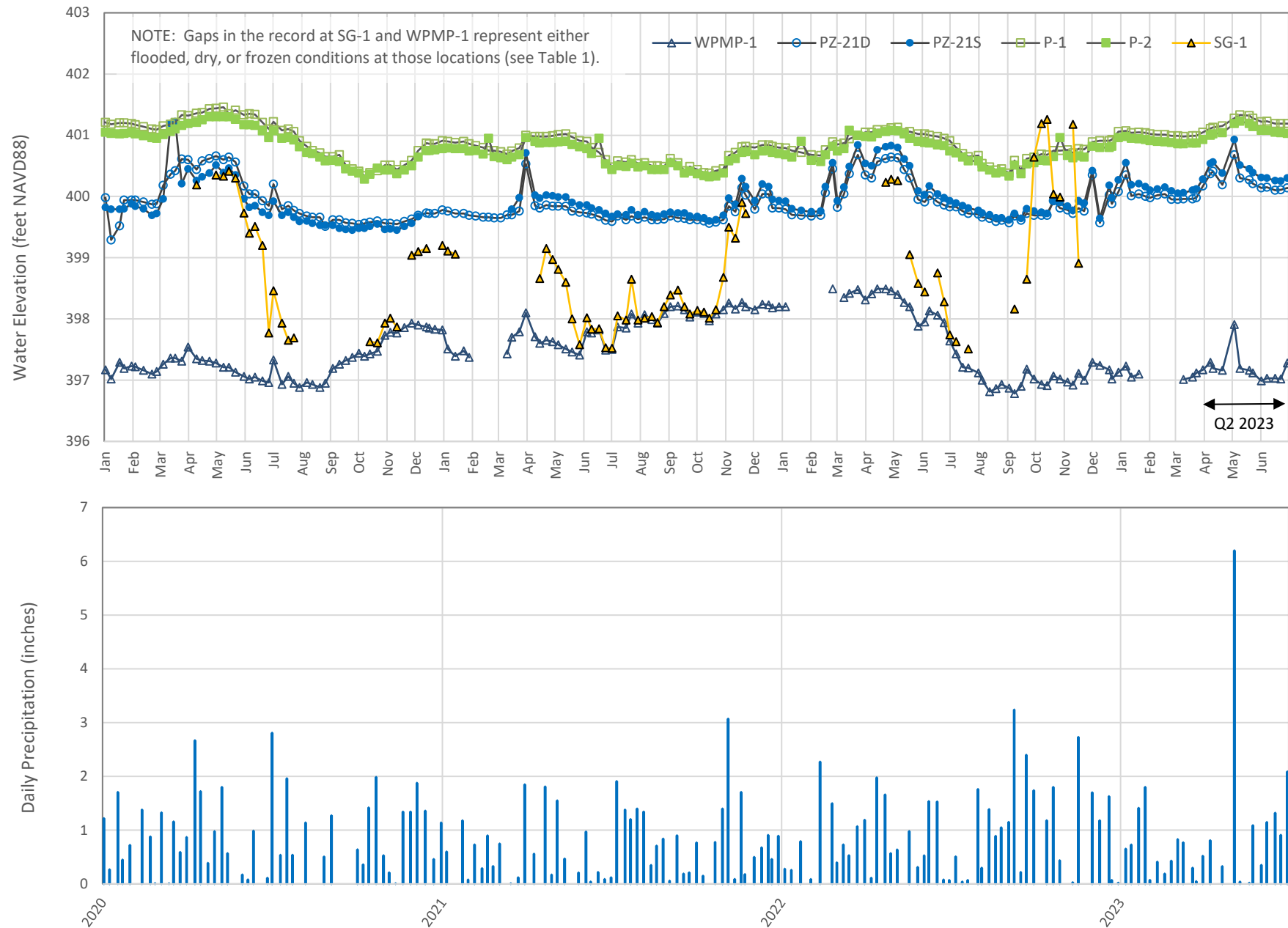


TABLE 1
MONITORING DATA
RAINMAKER SPRING SITE
FRYEBURG, MAINE

	GROUNDWATER ELEVATION (feet NAVD88)										PIEZOMETERS @ SPRING 1 (feet NAVD88)				PIEZOMETERS @ SPRING 2 (feet NAVD88)				SURFACE WATER				SPRING FLOW (lt/min)		PRECIPITATION EASTERN SLOPES AIRPORT
	MW-1		MW-2		MW-3		MW-4		MW-5		PZ-21D		PZ-21S		P-1		P-2		WPMP-1		SG-1		Spring-1	Spring-2	KIZG
																					SG-1 (2019)	400.08			
																					SG-1A (2019)	399.49			

TABLE 1
MONITORING DATA
RAINMAKER SPRING SITE
FRYEBURG, MAINE

TABLE 1 CONT.	GROUNDWATER ELEVATION (feet NAVD88)										PIEZOMETERS @ SPRING 1 (feet NAVD88)				PIEZOMETERS @ SPRING 2 (feet NAVD88)				SURFACE WATER				SPRING FLOW (lt/min)		PRECIPITATION EASTERN SLOPES AIRPORT	
	MW-1		MW-2		MW-3		MW-4		MW-5		PZ-21D		PZ-21S		P-1		P-2		WPMP-1		SG-1		Spring-1	Spring-2		KIZG
New Measuring Point (MP)Elevations (feet NAVD88)		418.75		419.59		421.26		419.75		423.11		403.99		405.40		406.03		404.35				SG-1 (2019)	400.08			
Old Measuring Point (MP)Elevation		418.27		419.10		420.79		419.30		422.53		403.27		404.76		405.35		403.67		401.22		SG-1A (2019)	399.49			
Date	Depth to Water below mp (ft)	Water Elevation	Depth to Water below mp (ft)	Water Elevation	Depth to Water below mp (ft)	Water Elevation	Depth to Water below mp (ft)	Water Elevation	Depth to Water below mp (ft)	Water Elevation	Depth to Water below mp (ft)	Water Elevation	Depth to Water below mp (ft)	Water Elevation	Depth to Water below mp (ft)	Water Elevation	Depth to Water below mp (ft)	Water Elevation	Depth to Water below mp (ft)	Water Elevation	Depth to Water below mp (ft)	Water Elevation			Inches	
10/7/2018	20.14	398.61	20.96	398.63	22.40	398.86	21.49	398.26	26.02	397.09	4.40	399.59	5.92	399.48	5.59	400.44	3.97	400.38	2.98	398.24	1.70	398.40	5.45	2.48	0.83	
10/10/2018	20.16	398.59	20.97	398.62	22.41	398.85	21.50	398.25	25.98	397.13	4.40	399.59	5.93	399.47	5.60	400.43	3.99	400.36	2.91	398.31	1.77	398.33	4.29	1.50	0.00	
10/18/2018	20.03	398.72	20.87	398.72	22.35	398.91	21.35	398.40	25.87	397.24	4.37	399.62	5.91	399.49	5.56	400.47	3.96	400.39	2.63	398.59	1.19	398.91	4.29	3.75	1.16	
10/23/2018	19.97	398.78	20.80	398.79	22.23	399.03	21.31	398.44	25.75	397.36	4.32	399.67	5.84	399.56	5.41	400.62	3.82	400.53	2.65	398.57	1.09	398.73	3.75	2.14	0.63	
11/2/2018	19.91	398.84	20.71	398.88	22.19	399.07	21.28	398.47	25.71	397.40	4.26	399.73	5.76	399.64	5.30	400.73	3.73	400.62	2.05	399.17	0.59	399.23	UW	UW	2.39	
11/9/2018	19.73	399.02	20.56	399.03	22.03	399.23	21.06	398.69	25.54	397.57	4.25	399.74	5.79	399.61	5.33	400.70	3.75	400.60	2.06	399.16	0.90	398.92	UW	1.33	2.48	
11/18/2018	19.40	399.35	20.26	399.33	21.69	399.57	20.77	398.98	25.26	397.85	4.13	399.86	5.71	399.69	5.19	400.84	3.60	400.75	1.94	399.28	ice	ice	UW	UW	1.84	
11/20/2018	19.42	399.33	20.23	399.36	21.71	399.55	20.75	399.00	25.27	397.84	4.13	399.86	5.72	399.68	5.19	400.84	3.61	400.74	1.86	399.36	ice	ice	UW	UW	0.25	
11/30/2018	19.41	399.34	20.21	399.38	21.74	399.52	20.73	399.02	25.24	397.87	3.94	400.05	5.53	399.87	5.15	400.88	3.57	400.78	1.61	399.61	ice	ice	ice	ice	1.16	
12/6/2018	19.31	399.44	20.13	399.46	21.61	399.65	20.65	399.10	25.18	397.93	4.12	399.87	5.65	399.75	5.14	400.89	3.55	400.80	2.00	399.22	ice	ice	ice	ice	0.88	
12/13/2018	19.29	399.46	20.15	399.44	21.66	399.60	20.68	399.07	25.20	397.91	4.17	399.82	5.67	399.73	5.16	400.87	3.56	400.79	ice	ice	ice	ice	ice	ice	0.00	
12/20/2018	19.36	399.39	20.15	399.44	21.64	399.62	20.68	399.07	25.22	397.89	4.15	399.84	5.75	399.65	5.17	400.86	3.58	400.77	ice	ice	ice	ice	ice	ice	0.10	
12/27/2018	19.26	399.49	20.07	399.52	21.58	399.68	20.60	399.15	25.05	398.06	4.15	399.84	5.75	399.65	5.14	400.89	3.57	400.78	ice	ice	ice	ice	ice	ice	1.64	
1/2/2019	19.21	399.54	20.04	399.55	21.54	399.72	20.57	399.18	25.05	398.06	4.29	399.70	5.76	399.64	5.14	400.89	3.58	400.77	ice	ice	ice	ice	ice	ice	1.46	
1/8/2019	19.15	399.60	20.02	399.57	21.51	399.75	20.53	399.22	25.08	398.03	4.25	399.74	5.78	399.62	5.14	400.89	3.57	400.78	ice	ice	ice	ice	ice	ice	0.62	
1/16/2019	19.11	399.64	19.98	399.61	21.48	399.78	20.51	399.24	25.03	398.08	4.20	399.79	5.79	399.61	5.16	400.87	3.58	400.77	ice	ice	ice	ice	ice	ice	0.83	
1/25/2019	19.04	399.71	19.86	399.73	21.35	399.91	20.40	399.35	25.02	398.09	ice	ice	5.41	399.99	5.07	400.96	3.51	400.84	2.02	399.20	ice	ice	ice	ice	3.00	
2/2/2019	18.95	399.80	19.79	399.80	21.25	400.01	20.29	399.46	24.87	398.24	ice	ice	5.73	399.67	5.12	400.91	3.51	400.84	ice	ice	ice	ice	ice	ice	0.02	
2/9/2019	18.95	399.80	19.76	399.83	21.23	400.03	20.25	399.50	24.85	398.26	ice	ice	5.74	399.66	5.13	400.90	3.53	400.82	ice	ice	ice	ice	ice	ice	0.39	
2/15/2019	18.93	399.82	19.73	399.86	21.23	400.03	20.22	399.53	24.85	398.26	4.18	399.81	5.74	399.66	5.14	400.89	3.56	400.79	ice	ice	ice	ice	ice	ice	1.44	
2/23/2019	18.90	399.85	19.75	399.84	21.21	400.05	20.19	399.56	24.79	398.32	4.22	399.77	5.72	399.68	5.10	400.93	3.55	400.80	ice	ice	ice	ice	ice	ice	0.29	
3/5/2019	could not locate		19.71	399.88	21.15	400.11	20.29	399.46	24.86	398.25	4.21	399.78	5.76	399.64	5.21	400.82	ice	ice	ice	ice	ice	ice	ice	ice	0.99	
3/12/2019	could not locate		19.84	399.75	21.25	400.01	20.38	399.37	25.04	398.07	4.21	399.78	5.75	399.65	5.24	400.79	ice	ice	ice	ice	ice	ice	ice	ice	0.51	
3/20/2019	could not locate		19.98	399.61	21.44	399.82	20.55	399.20	25.24	397.87	4.19	399.80	5.73	399.67	5.21	400.82	3.63	400.72	2.40	398.82	ice	ice	ice	ice	0.04	
3/28/2019	19.12	399.63	19.95	399.64	21.41	399.85	20.50	399.25	25.18	397.93	4.15	399.84	5.68	399.72	5.12	400.91	3.55	400.80	2.23	398.99	ice	ice	ice	ice	0.88	
4/4/2019	18.94	399.81	19.76	399.83	21.22	400.04	20.31	399.44	25.03	398.08	3.94	400.05	5.53	399.87	5.04	400.99	3.45	400.90	1.91	399.31	ice	ice	uw	uw	0.46	
4/11/2019	18.43	400.32	19.40	400.19	20.82	400.44	19.88	399.87	24.63	398.48	3.56	400.43	5.47	399.93	4.97	401.06	3.37	400.98	2.02	399.20	uw	uw	uw	uw	1.13	
4/16/2019	18.29	400.46	19.11	400.48	20.58	400.68	19.64	400.11	24.34	398.77	3.47	400.52	5.16	400.24	4.90	401.13	3.29	401.06	2.15	399.07	uw	uw	uw	uw	0.47	
4/26/2019	16.85	401.90	17.70	401.89	19.15	402.11	18.26	401.49	22.96	400.15	3.79	400.20	5.42	399.98	4.81	401.22	3.21	401.14	2.46	398.76	-0.82	398.67	10.00	2.50	2.40	
5/2/2019	16.03	402.72	16.85	402.74	18.29	402.97	17.41	402.34	22.21	400.90	3.70	400.29	5.37	399.03	4.70	401.33	3.11	401.24	2.29	398.93	0.02	399.51	uw	5.00	1.45	
5/10/2019	15.39	403.36	16.20	403.39	17.61	403.65	16.81	402.94	21.68	401.43	4.07	399.92	5.54	399.86	4.64	401.39	3.11	401.24	2.52	398.70	-0.48	399.01	uw	8.00	0.93	
5/22/2019	15.25	403.50	16.08	403.51	17.47	403.79	16.71	403.04	21.68	401.43	4.04	399.95	5.53	399.87	4.67	401.36	3.16	401.19	2.49	398.73	-0.39	399.10	17.22	4.29	1.28	
5/30/2019	15.32	403.43	16.15	403.44	17.55	403.71	16.77	402.98	21.76	401.35	4.03	399.96	5.54	399.86	4.66	401.37	3.18	401.17	4.11	397.11	-0.64	398.85	15.00	3.00	1.50	
6/6/2019	15.55	403.20	16.36	403.23	17.78	403.48	16.98	402.77	21.96	401.15	3.98	400.01	5.52	399.88	4.68	401.35	3.18	401.17	4.11	397.11	-0.38	399.11	16.67	4.41	0.92	
6/14/2019	15.68	403.07	16.52	403.07	17.91	403.35	17.13	402.62	22.13	400.98	3.94	400.05	5.52	399.88	4.71	401.32	3.21	401.14	4.15	397.07	-0.76	399.32	10.71	2.31	1.50	
6/19/2019	15.84	402.91	16.69	402.90	18.13	403.13	17.31	402.44	22.31	400.80	3.98	400.01	5.54	399.86	4.73	401.30	3.24	401.11	4.25	396.97	-1.13	398.95	12.00	4.11	0.00	
6/26/2019	15.																									

TABLE 1
MONITORING DATA
RAINMAKER SPRING SITE
FRYEBURG, MAINE

TABLE 1 CONT.		GROUNDWATER ELEVATION (feet NAVD88)										PIEZOMETERS @ SPRING 1 (feet NAVD88)				PIEZOMETERS @ SPRING 2 (feet NAVD88)				SURFACE WATER				SPRING FLOW (lt/min)		PRECIPITATION EASTERN SLOPES AIRPORT
		MW-1		MW-2		MW-3		MW-4		MW-5		PZ-21D		PZ-21S		P-1		P-2		WPMP-1		SG-1		Spring-1	Spring-2	KIZG
New Measuring Point (MP) Elevations (feet NAVD88)		418.75		419.59		421.26		419.75		423.11		403.99		405.40		406.03		404.35				SG-1 (2020)	400.25			
Old Measuring Point (MP) Elevation		418.27		419.10		420.79		419.30		422.53		403.27		404.76		405.35		403.67		401.22		SG-1A (2020)	398.75			
Date	Depth to Water below mp (ft)	Water Elevation	Depth to Water below mp (ft)	Water Elevation	Depth to Water below mp (ft)	Water Elevation	Depth to Water below mp (ft)	Water Elevation	Depth to Water below mp (ft)	Water Elevation	Depth to Water below mp (ft)	Water Elevation	Depth to Water below mp (ft)	Water Elevation	Depth to Water below mp (ft)	Water Elevation	Depth to Water below mp (ft)	Water Elevation	Depth to Water below mp (ft)	Water Elevation	Depth to Water below mp (ft)	Water Elevation			Inches	
1/2/2020	18.06	400.69	18.87	400.72	20.31	400.95	19.44	400.31	24.14	398.97	4.01	399.98	5.58	399.82	4.82	401.21	3.30	401.05	4.05	397.17	ice		uw	uw	1.22	
1/8/2020	18.13	400.62	18.56	401.03	20.36	400.90	19.43	400.32	24.24	398.87	4.70	299.29	5.61	399.79	4.85	401.18	3.32	401.03	4.20	397.02	ice		11.11	uw	0.27	
1/17/2020	18.11	400.64	18.62	400.97	20.35	400.91	19.43	400.32	24.24	398.87	4.47	399.52	5.61	399.79	4.83	401.20	3.33	401.02	3.93	397.29	ice		12.00	uw	1.71	
1/22/2020	18.08	400.67	18.89	400.70	20.34	400.92	19.48	400.27	24.22	398.89	4.05	399.94	5.60	399.80	4.83	401.20	3.32	401.03	4.03	397.19	ice		12.00	uw	0.45	
1/30/2020	18.03	400.72	18.90	400.69	20.34	400.92	19.48	400.27	24.24	398.87	4.05	399.94	5.52	399.88	4.84	401.19	3.31	401.04	3.99	397.23	ice		12.00	uw	0.72	
2/3/2020	18.00	400.75	18.89	400.70	20.33	400.93	19.47	400.28	24.22	398.89	4.05	399.94	5.56	399.84	4.86	401.17	3.33	401.02	4.00	397.22	ice		10.91	uw	0.00	
2/12/2020	18.02	400.73	18.88	400.71	20.33	400.93	19.45	400.30	24.20	398.91	4.08	399.91	5.60	399.80	4.89	401.14	3.36	400.99	4.06	397.16	ice		10.91	uw	1.38	
2/21/2020	18.01	400.74	18.87	400.72	20.30	400.96	19.43	400.32	24.12	398.99	4.12	399.87	5.71	399.69	4.93	401.10	3.39	400.96	4.12	397.10	ice		10.91	uw	0.88	
2/26/2020	18.11	400.64	18.97	400.62	20.41	400.85	19.55	400.20	24.29	398.82	4.11	399.88	5.68	399.72	4.94	401.09	3.40	400.95	4.08	397.14	ice		15.00	uw	0.01	
3/4/2020	18.09	400.66	18.98	400.61	20.41	400.85	19.55	400.20	24.31	398.80	3.81	400.18	5.44	399.96	4.88	401.15	3.34	401.01	3.96	397.26	uw		uw	uw	1.33	
3/12/2020	18.06	400.69	18.93	400.66	20.35	400.91	19.51	400.24	24.33	398.78	3.63	400.36	4.21	401.19	4.85	401.18	3.29	401.06	3.86	397.36	uw		uw	uw	0.01	
3/17/2020	18.02	400.73	18.88	400.71	20.29	400.97	19.46	400.29	24.33	398.78	3.57	400.42	4.18	401.22	4.82	401.21	3.25	401.10	3.86	397.36	uw		uw	uw	1.16	
3/24/2020	17.81	400.94	18.64	400.95	20.05	401.21	19.21	400.54	23.99	399.12	3.38	400.61	5.19	400.21	4.70	401.33	3.19	401.16	3.91	397.31	uw		uw	uw	0.59	
3/31/2020	17.60	401.15	18.46	401.13	19.89	401.37	19.04	400.71	23.80	399.31	3.39	400.60	4.95	400.45	4.71	401.32	3.16	401.19	3.68	397.54	uw		uw	uw	0.87	
4/9/2020	17.13	401.62	17.95	401.64	19.38	401.88	18.54	401.21	23.26	399.85	3.55	400.44	5.14	400.26	4.67	401.36	3.14	401.21	3.87	397.35	-0.06	400.19	uw	uw	2.67	
4/15/2020	16.74	402.01	17.21	402.38	19.06	402.20	17.88	401.87	22.69	400.42	4.31	400.58	5.08	400.32	4.66	401.37	3.10	401.25	3.90	397.32	uw		uw	uw	1.72	
4/23/2020	16.10	402.65	16.96	402.63	18.40	402.86	17.52	402.23	22.38	400.73	3.37	400.62	5.02	400.38	4.60	401.43	3.05	401.30	3.91	397.31	uw		uw	uw	0.39	
4/30/2020	15.91	402.84	16.73	402.86	18.16	403.10	17.34	402.41	22.15	400.96	3.33	400.66	4.89	400.51	4.59	401.44	3.05	401.30	3.94	397.28	0.10	400.35	uw	uw	0.98	
5/8/2020	15.63	403.12	16.46	403.13	17.89	403.37	17.05	402.70	21.90	401.21	3.39	400.60	5.01	400.39	4.57	401.46	3.05	401.30	4.01	397.21	0.08	400.33	uw	uw	1.80	
5/14/2020	15.59	403.16	16.40	403.19	17.76	403.50	16.93	402.82	21.79	401.32	3.35	400.64	4.94	400.46	4.68	401.35	3.05	401.30	4.01	397.21	0.16	400.41	uw	uw	0.57	
5/21/2020	15.52	403.23	16.33	403.26	17.75	403.51	16.94	402.81	21.83	401.28	3.43	400.56	5.05	400.35	4.62	401.41	3.09	401.26	4.09	397.13	0.05	400.30	uw	uw	0.00	
5/30/2020	15.79	402.96	16.62	402.97	18.04	403.22	17.23	402.52	22.12	400.99	3.82	400.17	5.44	399.96	4.70	401.33	3.18	401.17	4.16	397.06	-0.52	399.73	uw	1.81	0.17	
6/5/2020	15.99	402.76	16.83	402.76	18.24	403.02	17.44	402.31	22.33	400.78	3.95	400.04	5.58	399.82	4.68	401.35	3.18	401.17	4.20	397.02	-0.85	399.40	12.00	1.50	0.08	
6/11/2020	16.23	402.52	17.06	402.53	18.49	402.77	17.68	402.07	22.56	400.55	3.95	400.04	5.55	399.85	4.69	401.34	3.19	401.16	4.17	397.05	-0.74	399.51	uw	1.50	0.99	
6/19/2020	16.62	402.13	17.42	402.17	18.86	402.40	18.03	401.72	22.91	400.20	4.06	399.93	5.66	399.74	4.82	401.21	3.28	401.07	4.23	396.99	-1.05	399.20	12.00	1.50	0.00	
6/26/2020	16.99	401.76	17.81	401.78	19.23	402.03	18.40	401.35	23.31	399.80	4.14	399.85	5.71	399.69	4.93	401.10	3.39	400.96	4.26	396.96	-0.94	397.77	25.00	1.58	0.11	
7/1/2020	17.21	401.54	18.05	401.54	19.47	401.79	18.66	401.09	23.52	399.59	3.79	400.20	5.48	399.92	4.81	401.22	3.28	401.07	3.89	397.33	-0.25	398.46	uw	1.71	2.81	
7/10/2020	17.61	401.14	18.41	401.18	19.83	401.43	19.02	400.73	23.88	399.23	4.20	399.79	5.71	399.69	4.95	401.08	3.40	400.95	4.29	396.93	-0.78	397.93	10.00	1.71	0.54	
7/17/2020	17.83	400.92	18.66	400.93	20.08	401.18	19.25	400.50	24.11	399.00	4.14	399.85	5.66	399.74	4.93	401.10	3.39	400.96	4.16	397.06	-1.06	397.65	10.00	1.58	1.96	
7/23/2020	18.03	400.72	18.85	400.74	20.28	400.98	19.45	400.30	24.31	398.80	4.22	399.77	5.74	399.66	4.97	401.06	3.43	400.92	4.27	396.95	-1.02	397.69	10.00	5.00	0.54	
7/29/2020	18.40	400.35	18.93	400.66	20.45	400.81	19.51	400.24	24.50	398.61	4.27	399.72	5.81	399.59	5.12	400.91	3.54	400.81	4.34	396.88	dry	dry	10.00	2.00	0.00	
8/6/2020	18.51	400.24	19.32	400.27	20.73	400.53	19.92	399.83	24.75	398.36	4.31	399.68	5.80	399.60	5.21	400.82	3.63	400.72	4.26	396.96	dry	dry	10.00	1.67	1.14	
8/12/2020	18.77	399.98	19.57	400.02	20.91	400.35	20.06	399.69	24.99	398.12	4.33	399.66	5.84	399.56	5.28	400.75	3.65	400.70	4.29	396.93	dry	dry	10.00	2.00	0.00	
8/20/2020	18.95	399.80	19.81	399.78	21.22	400.04	20.38	399.37	25.19	397.92	4.33	399.66	5.87	399.53	5.32	400.71	3.71	400.64	4.34	396.88	dry	dry	10.00	3.75	0.00	
8/26/2020	19.17	399.58	19.99	399.60	21.43	399.83	20.57	399.18	25.37	397.74	4.48	399.51	5.87	399.53	5.38	400.65	3.77	400.58	4.27	396.95	dry	dry	4.29	2.40	0.51	
9/3/2020	19.38	399.37	20.02	399.57	21.63	399.63	20.77	398.98	25.55	397.56	4.37	399.62	5.87	399.53	5.38	400.65	3.76	400.59	4.03	397.19	dry	dry	4.00	2.00	1.27	
9/10/2020	19.55	399.20	20.36	399.23	21.80	399.46	20.93	398.82	25.70	397.41	4.37	399.62	5.92	399.48	5.35	400.68	3.78	400.57	3.96	397.26	dry	dry	5.00	2.00	0.00	
9/17/2020</																										

TABLE 1
MONITORING DATA
RAINMAKER SPRING SITE
FRYEBURG, MAINE

TABLE 1 CONT.		GROUNDWATER ELEVATION (feet NAVD88)										PIEZOMETERS @ SPRING 1 (feet NAVD88)				PIEZOMETERS @ SPRING 2 (feet NAVD88)				SURFACE WATER				SPRING FLOW (ft/min)		PRECIPITATION EASTERN SLOPES AIRPORT	
		MW-1		MW-2		MW-3		MW-4		MW-5		PZ-21D		PZ-21S		P-1		P-2		WPMP-1		SG-1		Spring-1	Spring-2	KIZG	
Measuring Point (MP) Elevations (feet NAVD88)																						SG-1 (2020)	400.25				
Date	418.75	419.59	421.26	419.75	423.11	403.99	404.32	406.03	404.35												SG-1 (2021)	401.14					
	Depth to Water below msp (ft)	Water Elevation	Depth to Water below msp (ft)	Water Elevation	Depth to Water below msp (ft)	Water Elevation	Depth to Water below msp (ft)	Water Elevation	Depth to Water below msp (ft)	Water Elevation	Depth to Water below msp (ft)	Water Elevation	Depth to Water below msp (ft)	Water Elevation	Depth to Water below msp (ft)	Water Elevation	Depth to Water below msp (ft)	Water Elevation	Depth to Water below msp (ft)	Water Elevation	Depth to Water below msp (ft)	Water Elevation				Inches	
1/5/2021	19.37	399.38	20.18	399.41	21.63	399.63	20.72	399.03	25.26	397.85	4.23	399.76			5.13	400.90	3.56	400.79	3.71	397.51	-1.14	399.11	6.00	uw		0.60	
1/13/2021	19.25	399.50	20.09	399.50	21.54	399.72	20.63	399.12	25.25	397.86	4.27	399.72			5.15	400.88	3.57	400.78	3.83	397.39	-1.19	399.06	5.45	2.00		0.00	
1/22/2021	19.32	399.43	20.14	399.45	21.58	399.68	20.69	399.06	25.28	397.83	4.27	399.72			5.13	400.90	3.57	400.78	3.74	397.48			ice	ice		1.18	
1/28/2021	19.29	399.46	20.12	399.47	21.59	399.67	20.67	399.08	25.23	397.88	4.30	399.69			5.17	400.86	3.61	400.74	3.85	397.37			ice	ice		0.08	
2/4/2021	19.26	399.49	20.07	399.52	21.52	399.74	20.61	399.14	25.17	397.94	4.31	399.68			5.20	400.83	3.60	400.75			ice		ice	ice		0.73	
2/12/2021	19.28	399.47	20.10	399.49	21.53	399.73	20.65	399.10	25.20	397.91	4.33	399.66			5.23	400.80	3.66	400.69			ice			4.44	ice		0.29
2/18/2021	19.37	399.38	20.13	399.46	21.56	399.70	20.69	399.06	25.25	397.86	4.33	399.66			5.28	400.75	3.40	400.95	ice		ice			4.44	ice		0.90
2/24/2021	19.35	399.40	20.18	399.41	21.63	399.63	20.75	399.00	25.33	397.78	4.34	399.65			5.28	400.75	3.70	400.65			ice			4.44	ice		0.33
3/3/2021	19.39	399.36	20.24	399.35	21.69	399.57	20.81	398.94	25.40	397.71	4.34	399.65			5.30	400.73	3.72	400.63	ice					4.00	ice		0.75
3/10/2021	19.46	399.29	20.30	399.29	21.75	399.51	20.84	398.91	25.38	397.73	4.29	399.70			5.34	400.69	3.75	400.60		3.79			ice		2.86	nm	0.00
3/15/2021	19.42	399.33	20.26	399.33	21.69	399.57	20.80	398.95	25.30	397.81	4.29	399.70	4.53	399.79	5.29	400.74	3.71	400.64	3.52					2.86	nm		0.01
3/23/2021	19.38	399.37	20.20	399.39	21.65	399.61	20.75	399.00	25.35	397.76	4.23	399.76	4.34	399.98	5.24	400.79	3.67	400.68	3.43			ice			5.45	nm	0.12
3/30/2021	19.19	399.56	20.02	399.57	21.46	399.80	20.54	399.21	25.11	398.00	3.46	400.53	3.61	400.71	5.03	401.00	3.39	400.96	3.12	398.10	flooded		flooded		flooded		1.85
4/9/2021	18.63	400.12	19.65	399.94	21.11	400.15	20.20	399.55	24.85	398.26	4.14	399.85	4.30	400.02	5.05	400.98	3.45	400.90	3.51	397.71	flooded			6.00	6.00		0.56
4/14/2021	18.74	400.01	19.53	400.06	20.99	400.27	20.10	399.65	24.79	398.32	4.18	399.81	4.35	399.97	5.05	400.98	3.48	400.87	3.62	397.60	-2.48	398.66	6.00	9.23		0.00	
4/21/2021	18.64	400.11	19.49	400.10	20.91	400.35	20.06	399.69	24.72	398.39	4.13	399.86	4.30	400.02	5.05	400.98	3.47	400.88	3.57	397.65	-1.99	399.15	8.00	2.40		1.81	
4/28/2021	18.57	400.18	19.39	400.20	20.83	400.43	19.97	399.78	24.66	398.45	4.15	399.84	4.31	400.01	5.04	400.99	3.47	400.88	3.59	397.63	-2.17	398.97	6.00	1.50		0.17	
5/4/2021	18.48	400.27	19.26	400.33	20.75	400.51	19.81	399.94	24.55	398.56	4.15	399.84	4.33	399.99	5.02	401.01	3.46	400.89	3.64	397.58	-2.33	398.81	6.00	1.82		1.55	
5/12/2021	18.38	400.37	19.20	400.39	20.64	400.62	19.77	399.98	24.49	398.62	4.15	399.84	4.33	399.99	5.01	401.02	3.45	400.90	3.71	397.51	-2.54	398.60	6.00	1.82		0.47	
5/19/2021	18.36	400.39	19.18	400.41	20.64	400.62	19.80	399.95	24.53	398.58	4.23	399.76	4.42	399.90	5.06	400.97	3.50	400.85	3.76	397.46	-3.14	398.00	6.00	1.71		0.00	
5/27/2021	18.54	400.21	19.35	400.24	20.80	400.46	19.94	399.81	24.71	398.40	4.25	399.74	4.46	399.86	5.12	400.91	3.54	400.81	3.81	397.41	-3.56	397.58	6.00	6.00		0.21	
6/4/2021	18.63	400.12	19.48	400.11	20.91	400.35	20.03	399.72	24.74	398.37	4.26	399.73	4.46	399.86	5.13	400.90	3.57	400.78	3.43	397.79	-3.12	398.02	6.00	6.00		0.97	
6/9/2021	18.78	399.97	19.61	399.98	21.04	400.22	20.12	399.63	24.89	398.22	4.28	399.71	4.51	399.81	5.23	400.80	3.65	400.70	3.45	397.77	-3.31	397.83	6.00	5.00		0.04	
6/17/2021	19.02	399.73	19.82	399.77	21.27	399.99	20.40	399.35	25.28	397.83	4.32	399.67	4.54	399.78	5.31	400.72	3.40	400.95	3.40	397.82	-3.30	397.84	6.00	2.73		0.22	
6/24/2021	19.22	399.53	20.03	399.56	21.48	399.78	NM	NM	25.27	397.84	4.38	399.61	4.60	399.72	5.43	400.60	3.82	400.53	3.73	397.49	-3.61	397.53	6.00	5.00		0.09	
7/1/2021	19.46	399.29	20.29	399.30	21.73	399.53	20.81	398.94	25.50	397.61	4.40	399.59	4.65	399.67	5.55	400.48	3.91	400.44	3.72	397.50	-3.62	397.52	6.00	2.73		0.12	
7/7/2021	19.59	399.16	20.41	399.18	21.86	399.40	20.96	398.79	25.64	397.47	4.31	399.68	4.61	399.71	5.45	400.58	3.85	400.50	3.35	397.87	-3.09	398.05	6.00	2.73		1.91	
7/16/2021	19.72	399.03	20.54	399.05	21.98	399.28	21.09	398.66	25.76	397.35	4.37	399.62	4.62	399.70	5.47	400.56	3.86	400.49	3.37	397.85	-3.16	397.98	5.00	6.00		1.38	
7/22/2021	19.76	398.99	20.60	398.99	22.04	399.22	21.17	398.58	25.82	397.29	4.31	399.68	4.54	399.78	5.43	400.60	3.81	400.54	3.14	398.08	-2.49	398.65	6.00	2.72		1.20	
7/29/2021	19.87	398.88	20.68	398.91	22.15	399.11	21.25	398.50	25.87	397.24	4.36	399.63	4.62	399.70	5.49	400.54	3.87	400.48	3.29	397.93	-3.16	397.98	5.45	2.86		1.40	
8/5/2021	19.94	398.81	20.75	398.84	22.19	399.07	21.30	398.45	25.97	397.14	4.33	399.66	4.57	399.75	5.48	400.55	3.85	400.50	3.15	398.07	-3.13	398.01	5.45	1.62		1.34	
8/13/2021	19.98	398.77	20.82	398.77	22.26	399.00	21.38	398.37	26.04	397.07	4.37	399.62	4.62	399.70	5.53	400.50	3.91	400.44	3.23	397.99	-3.10	398.04	5.45	1.62		0.35	
8/19/2021	20.01	398.74	20.84	398.75	22.29	398.97	21.40	398.35	26.06	397.05	4.37	399.62	4.64	399.68	5.53	400.50	3.91	400.44	3.29	397.93	-3.20	397.94	4.66	nf		0.71	
8/26/2021	20.06	398.69	20.88	398.71	22.39	398.87	21.42	398.33	26.04	397.07	4.36	399.63	4.61	399.71	5.54	400.49	3.91	400.44	3.13	398.09	-2.94	398.20	4.29	nf		0.84	
9/2/2021	20.07	398.68	20.90	398.69	22.36	398.90	21.46	398.29	26.11	397.00	4.31	399.68	4.58	399.74	5.41	400.62	3.80	400.55	3.02	398.20	-2.75	398.39	4.29	nf		0.06	
9/10/2021	20.13	398.62	20.95	398.64	22.41	398.85	21.52	398.23	26.15	396.96	4.34	399.65	4.59	399.73	5.48	400.55	3.85	400.50	3.01	398.21	-2.67	398.47	4.29	nf		0.90	
9/17/2021	20.20	398.55	21.04	398.55	22.51	398.75	21.58	398.17	26.21	396.90	4.35	399.64	4.59	399.73	5.61	400.42	3.97	400.38	3.07	398.15	-2.94						

TABLE 1
MONITORING DATA
RAINMAKER SPRING SITE
FRYEBURG, MAINE

TABLE 1 CONT.	GROUNDWATER ELEVATION (feet NAVD88)										PIEZOMETERS @ SPRING 1 (feet NAVD88)				PIEZOMETERS @ SPRING 2 (feet NAVD88)				SURFACE WATER				SPRING FLOW (lt/min)		PRECIPITATION EASTERN SLOPES AIRPORT				
	MW-1		MW-2		MW-3		MW-4		MW-5		PZ-21D		PZ-21S		P-1		P-2		WPMP-1		SG-1		Spring-1	Spring-2	KIZG				
Measuring Point (MP) Elevations (feet NAVD88)		418.75		419.59		421.26		419.75		423.11		403.99		404.32		406.03		404.35				SG-1 (2021)	401.14						
																						SG-1 (2022)	399.44						
Date	Depth to Water below msp (ft)	Water Elevation	Depth to Water below msp (ft)	Water Elevation	Depth to Water below msp (ft)	Water Elevation	Depth to Water below msp (ft)	Water Elevation	Depth to Water below msp (ft)	Water Elevation	Depth to Water below msp (ft)	Water Elevation	Depth to Water below msp (ft)	Water Elevation	Depth to Water below msp (ft)	Water Elevation	Depth to Water below msp (ft)	Water Elevation	Depth to Water below msp (ft)	Water Elevation	Depth to Water below msp (ft)	Water Elevation			Inches				
1/4/2022	19.28	399.47	20.11	399.48	21.54	399.72	20.65	399.10	25.23	397.88	4.20	399.79	4.40	399.92	5.24	400.79	3.67	400.68	3.02	398.20				flooded	ice	0.28			
1/11/2022	19.26	399.49	20.08	399.51	21.53	399.73	20.62	399.13	25.25	397.86	4.29	399.70	4.52	399.80	5.28	400.75	3.71	400.64	ice				ice	4.00	ice	0.26			
1/21/2022	19.24	399.51	20.05	399.54	21.50	399.76	20.60	399.15	25.22	397.89	4.30	399.69	4.55	399.77	5.31	400.72	3.45	400.90	ice				ice	4.00	ice	0.79			
2/1/2022	19.32	399.43	20.12	399.47	21.57	399.69	20.68	399.07	25.31	397.80	4.31	399.68	4.57	399.75	5.35	400.68	3.76	400.59	ice				ice	4.00	ice	0.09			
2/11/2022	19.28	399.47	20.10	399.49	21.55	399.71	20.66	399.09	25.25	397.86	4.30	399.69	4.56	399.76	5.36	400.67	3.78	400.57		ice			ice	4.00	ice	2.27			
2/16/2022	19.24	399.51	20.06	399.53	21.53	399.73	20.60	399.15	25.19	397.92	3.93	400.06	4.16	400.16	5.27	400.76	3.67	400.68	ice			ice		4.00	ice	0.00			
2/24/2022	19.20	399.55	20.03	399.56	21.50	399.76	20.55	399.20	25.15	397.96	3.54	400.45	3.77	400.55	5.14	400.89	3.53	400.82		2.73	398.49	ice		flooded	ice	1.50			
3/1/2022	19.11	399.64	19.92	399.67	21.38	399.88	20.46	399.29	25.10	398.01	4.17	399.82	4.39	399.93	5.18	400.85	3.61	400.74	ice			ice		6.00	ice	0.40			
3/8/2022	19.03	399.72	19.86	399.73	21.31	399.95	20.29	399.46	25.05	398.06	3.95	400.04	4.17	400.15	5.16	400.87	3.57	400.78		2.87	398.35	ice		flooded	ice	0.73			
3/14/2022	18.82	399.93	19.74	399.85	21.07	400.19	20.16	399.59	24.91	398.20	3.62	400.37	3.83	400.49	5.09	400.94	3.27	401.08	ice			2.80	398.42	ice	flooded	flooded	0.53		
3/23/2022	18.65	400.10	19.46	400.13	20.91	400.35	20.03	399.72	24.72	398.39	3.31	400.68	3.48	400.84	5.03	401.00	3.35	401.00	ice			2.74	398.48	ice	flooded	flooded	1.07		
3/31/2022	18.21	400.54	19.03	400.56	20.46	400.80	19.61	400.14	24.30	398.81	3.64	400.35	3.78	400.54	4.98	401.05	3.37	400.98	ice			2.91	398.31	flooded	flooded	3.33	1.19		
4/7/2022	17.89	400.86	18.72	400.87	20.16	401.10	19.29	400.46	24.01	399.10	3.69	400.30	3.82	400.50	4.98	401.05	3.38	400.97	ice			2.81	398.41	flooded	flooded	flooded	0.11		
4/13/2022	17.63	401.12	18.47	401.12	19.91	401.35	19.05	400.70	23.76	399.35	3.42	400.57	3.56	400.76	4.94	401.09	3.32	401.03	ice			2.73	398.49	flooded	flooded	flooded	1.98		
4/22/2022	17.26	401.49	18.08	401.51	19.51	401.75	18.66	401.09	23.42	399.69	3.37	400.62	3.51	400.81	4.94	401.09	3.29	401.06	ice			2.73	398.49		0.79	400.23	flooded	flooded	1.66
4/28/2022	17.04	401.71	17.87	401.72	19.28	401.98	18.45	401.30	23.22	399.89	3.35	400.64	3.49	400.83	4.91	401.12	3.27	401.08	ice			2.76	398.46		0.84	400.28	flooded	flooded	0.57
5/5/2022	16.86	401.89	17.68	401.91	19.10	402.16	18.28	401.47	23.08	400.03	3.36	400.63	3.52	400.80	4.90	401.13	3.28	401.07	ice			2.82	398.40		0.82	400.26	flooded	flooded	0.64
5/12/2022	16.85	401.90	17.66	401.93	19.09	402.17	18.27	401.48	23.08	400.03	3.55	400.44	3.71	400.61	4.99	401.04	3.33	401.02	ice			2.95	398.27			flooded	flooded	0.00	
5/18/2022	16.85	401.90	17.64	401.95	19.08	402.18	18.25	401.50	23.08	400.03	3.69	400.30	3.82	400.50	4.97	401.06	3.40	400.95	ice			3.02	398.20		0.39	399.05	flooded	flooded	0.98
5/27/2022	16.98	401.77	17.81	401.78	19.22	402.04	18.37	401.38	23.19	399.92	4.04	399.95	4.23	400.09	5.01	401.02	3.45	400.90	ice			3.34	397.88		0.86	398.58	flooded	flooded	0.31
6/3/2022	17.14	401.61	17.95	401.64	19.39	401.87	18.55	401.20	23.36	399.75	4.08	399.91	4.29	400.03	5.01	401.02	3.47	400.88	ice			3.27	397.95		1.00	398.44	flowing	flowing	0.53
6/8/2022	17.28	401.47	18.11	401.48	19.54	401.72	18.70	401.05	23.49	399.62	3.98	400.01	4.15	400.17	5.03	401.00	3.48	400.87	ice		nr		3.09	398.13			flowing	flowing	1.54
6/17/2022	17.49	401.26	18.35	401.24	19.81	401.45	18.92	400.83	nr		4.08	399.91	4.28	400.04	5.05	400.98	3.51	400.84	ice			3.16	398.06		0.69	398.75	flowing	flowing	1.53
6/24/2022	17.71	401.04	18.55	401.04	20.00	401.26	19.12	400.63	23.85	399.26	4.13	399.86	4.34	399.98	5.08	400.95	3.52	400.83	ice			3.28	397.94		1.16	398.28	flowing	flowing	0.08
6/30/2022	17.90	400.85	18.76	400.83	20.21	401.05	19.31	400.44	24.02	399.09	4.16	399.83	4.39	399.93	5.12	400.91	3.61	400.74	ice			3.58	397.64		1.70	397.74	6.00	flowing	0.07
7/7/2022	18.16	400.59	19.00	400.59	20.44	400.82	19.53	400.22	24.19	398.92	4.16	399.83	4.43	399.89	5.23	400.80	3.64	400.71	ice			3.79	397.43		1.81	397.63	6.00	flowing	0.51
7/14/2022	18.44	400.31	19.25	400.34	20.71	400.55	19.80	399.95	24.41	398.70	4.23	399.76	4.47	399.85	5.33	400.70	3.71	400.64	ice			4.01	397.21	dry		5.71	flowing	0.04	
7/20/2022	18.61	400.14	19.45	400.14	20.90	400.36	19.98	399.77	24.57	398.54	4.27	399.72	4.51	399.81	5.38	400.65	3.77	400.58	ice			4.02	397.20		1.93	397.51	5.00	flowing	0.07
7/31/2022	18.90	399.85	19.72	399.87	21.20	400.06	20.24	399.51	24.84	398.27	4.28	399.71	4.55	399.77	5.36	400.67	3.77	400.58	ice			4.10	397.12	dry		4.62	flowing	1.76	
8/4/2022	19.03	399.72	19.85	399.74	21.31	399.95	20.38	399.37	24.98	398.13	4.33	399.66	4.59	399.73	5.49	400.54	3.87	400.48	ice			4.22	397.00	dry		4.62	flowing	0.30	
8/12/2022	19.27	399.48	20.11	399.48	21.56	399.70	20.65	399.10	25.24	397.87	4.35	399.64	4.62	399.70	5.55	400.48	3.92	400.43	ice			4.41	396.81	dry		3.66	nf	1.39	
8/19/2022	19.51	399.24	20.34	399.25	21.80	399.46	20.85	398.90	25.45	397.66	4.40	399.59	4.67	399.65	5.60	400.43	3.97	400.38	ice			4.36	396.86	dry		3.33	nf	0.89	
8/25/2022	19.66	399.09	20.48	399.11	21.94	399.32	20.93	398.82	25.59	397.52	4.38	399.61	4.67	399.65	5.58	400.45	3.95	400.40	ice			4.29	396.93	dry		3.26	nf	1.05	
9/2/2022	19.83	398.92	20.64	398.95	22.10	399.16	21.06	398.69	25.74	397.37	4.42	399.57	4.70	399.62	5.65	400.38	4.02	400.33	ice			4.35	396.87	dry		2.73	nf	1.15	
9/8/2022	19.84	398.91	20.67	398.92	22.14	399.12	21.21	398.54	25.75	397.36	4.31	399.68	4.60	399.72	5.44	400.59	3.84	400.51	ice			4.44	396.78		1.28	398.16	3.12	nf	3.24
9/15/2022	19.86	398.89	20.68	398.91	22.15	399.11	21.21	398.54	25.74	397.37	4.38	399.61	4.68	399.64	5.60	400.43	3.98	400.37	ice			4.32	396.90	dry		3.03	nf	0.22	
9/21/2022	19.91	398.84	20.73	398.8																									

TABLE 1
MONITORING DATA
RAINMAKER SPRING SITE
FRYEBURG, MAINE

TABLE 1 CONT.		GROUNDWATER ELEVATION (feet NAVD88)										PIEZOMETERS @ SPRING 1 (feet NAVD88)				PIEZOMETERS @ SPRING 2 (feet NAVD88)				SURFACE WATER				SPRING FLOW (lt/min)		PRECIPITATION EASTERN SLOPES AIRPORT	
Measuring Point (MP) Elevations (feet NAVD88)		MW-1		MW-2		MW-3		MW-4		MW-5		PZ-21D		PZ-21S		P-1		P-2		WPMP-1		SG-1 SG-1 (2022)		399.44 399.41	Spring-1	Spring-2	KIZG
Date	Depth to Water below mp (ft)	418.75 Water Elevation	Depth to Water below mp (ft)	419.59 Water Elevation	Depth to Water below mp (ft)	421.26 Water Elevation	Depth to Water below mp (ft)	419.75 Water Elevation	Depth to Water below mp (ft)	423.11 Water Elevation	Depth to Water below mp (ft)	403.99 Water Elevation	Depth to Water below mp (ft)	404.32 Water Elevation	Depth to Water below mp (ft)	406.03 Water Elevation	Depth to Water below mp (ft)	404.35 Water Elevation	Depth to Water below mp (ft)	Water Elevation	Depth to Water below mp (ft)	Water Elevation	Depth to Water below mp (ft)	Water Elevation	Inches		
1/6/2023	18.04	400.71	18.86	400.73	20.31	400.95	19.40	400.35	24.03	399.08	3.64	400.35	3.77	400.55	4.96	401.07	3.27	400.98	3.90	397.23	ice		flooded	flowing	0.65		
1/12/2023	17.83	400.92	18.66	400.93	20.11	401.15	19.15	400.60	23.89	399.22	3.98	400.01	4.13	400.19	4.99	401.04	3.40	400.95	4.17	397.05	ice			5.45	flowing	0.73	
1/20/2023	17.64	401.11	18.50	401.09	19.91	401.35	19.06	400.69	23.76	399.35	3.95	400.04	4.11	400.21	4.98	401.05	3.41	400.94	4.12	397.10	ice			12.63	flowing	1.41	
1/27/2023	17.57	401.18	18.40	401.19	19.84	401.42	18.99	400.76	23.68	399.43	3.99	400.00	4.16	400.16	4.99	401.04	3.42	400.93	ice					8.57	flowing	1.80	
2/1/2023	17.53	401.22	18.34	401.25	19.77	401.49	18.92	400.83	23.60	399.51	4.01	399.98	4.22	400.10	5.01	401.02	3.44	400.91	ice					8.22	flowing	0.07	
2/9/2023	17.52	401.23	18.35	401.24	19.76	401.50	18.92	400.83	23.59	399.52	3.97	400.02	4.20	400.12	5.02	401.01	3.45	400.90	ice					7.38	flowing	0.41	
2/17/2023	17.51	401.24	18.35	401.24	19.77	401.49	18.92	400.83	23.65	399.46	3.95	400.04	4.17	400.15	5.02	401.01	3.46	400.89	ice					7.33	flowing	0.19	
2/24/2023	17.55	401.20	18.37	401.22	19.81	401.45	18.94	400.81	23.63	399.48	4.04	399.95	4.23	400.09	5.04	400.99	3.47	400.88	ice					8.57	flowing	0.43	
3/3/2023	17.61	401.14	18.43	401.16	19.87	401.39	19.03	400.72	23.82	399.29	4.04	399.95	4.27	400.05	5.04	400.99	3.49	400.86	ice					7.32	flowing	0.83	
3/9/2023	17.65	401.10	18.49	401.10	19.93	401.33	19.08	400.67	23.77	399.34	4.03	399.96	4.26	400.06	5.05	400.98	3.49	400.86	ice	4.21	397.01	ice		13.33	flowing	0.77	
3/19/2023	17.68	401.07	18.51	401.08	19.93	401.33	19.10	400.65	23.82	399.29	4.03	399.96	4.22	400.10	5.04	400.99	3.48	400.87	ice	4.17	397.05	ice		13.33	flowing	0.30	
3/23/2023	17.73	401.02	18.55	401.04	19.98	401.28	19.11	400.64	23.89	399.22	4.01	399.98	4.20	400.12	5.04	400.99	3.48	400.87	ice	4.10	397.12	ice		flooded	flowing	0.05	
3/30/2023	17.75	401.00	18.55	401.04	20.00	401.26	19.14	400.61	23.86	399.25	3.82	400.17	4.04	400.28	4.98	401.05	3.42	400.93	ice	4.05	397.17	flooded		flooded	flowing	0.52	
4/7/2023	17.51	401.24	18.32	401.27	19.77	401.49	18.89	400.86	23.62	399.49	3.62	400.37	3.78	400.54	4.92	401.11	3.35	401.00	ice	3.93	397.29	flooded		flooded	flowing	0.81	
4/10/2023	17.49	401.26	18.33	401.26	19.75	401.51	18.84	400.91	23.57	399.54	3.58	400.41	3.76	400.56	4.90	401.13	3.33	401.02	ice	4.03	397.19	flooded		flooded	flowing	0.00	
4/20/2023	16.81	401.94	17.66	401.93	19.09	402.17	18.21	401.54	23.03	400.08	3.80	400.19	3.94	400.38	4.88	401.15	3.31	401.04	ice	4.06	397.16	flooded		flooded	flowing	0.33	
5/3/2023	16.34	402.41	17.16	402.43	18.59	402.67	17.75	402.00	22.55	400.56	3.31	400.68	3.39	400.93	4.75	401.28	3.16	401.19	ice	3.31	397.91	flooded		flooded	flowing	6.20	
5/9/2023	15.55	403.20	16.36	403.23	17.79	403.47	16.97	402.78	21.88	401.23	3.69	400.30	3.81	400.51	4.70	401.33	3.12	401.23	ice	4.03	397.19	flooded		8.57	flowing	0.04	
5/19/2023	15.44	403.31	16.24	403.35	17.70	403.56	16.83	402.92	21.80	401.31	3.72	400.27	3.87	400.45	4.71	401.32	3.16	401.19	ice	4.06	397.16	flooded		8.57	flowing	0.02	
5/23/2023	15.34	403.41	16.17	403.42	17.58	403.68	16.79	402.96	21.71	401.40	3.78	400.21	3.93	400.39	4.75	401.28	3.21	401.14	ice	4.10	397.12	flooded		10.00	flowing	1.09	
6/1/2023	15.59	403.16	16.41	403.18	17.76	403.50	16.99	402.76	21.88	401.23	3.85	400.14	4.01	400.31	4.81	401.22	3.27	401.08	ice	4.23	396.99	flooded		8.57	flowing	0.35	
6/7/2023	15.40	403.35	16.55	403.04	17.95	403.31	17.14	402.61	22.01	401.10	3.84	400.15	4.02	400.30	4.80	401.23	3.27	401.08	ice	4.19	397.03	flooded		8.57	flowing	1.15	
6/16/2023	15.60	403.15	16.80	402.79	18.21	403.05	17.37	402.38	22.85	400.26	3.89	400.10	4.06	400.26	4.84	401.19	3.30	401.05	ice	4.19	397.03	flooded		10.00	flowing	1.32	
6/22/2023	16.08	402.67	16.92	402.67	18.34	402.92	17.50	402.25	23.25	399.86	3.88	400.11	4.07	400.25	4.84	401.19	3.31	401.04	ice	4.20	397.02	flooded		10.00	flowing	0.91	
6/29/2023	16.91	401.84	18.05	401.54	18.55	402.71	17.66	402.09	23.09	400.02	3.85	400.14	4.02	400.30	4.84	401.19	3.32	401.03	ice	3.94	397.28	flooded		10.00	flowing	2.09	
7/6/2023	16.95	401.80	17.10	402.49	18.55	402.71	17.69	402.06	23.09	400.02	3.88	400.11	4.04	400.28	4.84	401.19	3.31	401.04	ice	4.06	397.16	flooded		8.57	flowing	1.84	
7/14/2023	17.03	401.72	17.19	402.40	18.61	402.65	17.81	401.94	22.57	400.54	3.86	400.13	4.01	400.31	4.84	401.19	3.30	401.05	ice	4.14	397.08	flooded		10.00	flowing	1.05	
7/20/2023	17.16	401.59	17.31	402.28	18.69	402.57	18.03	401.72	22.66	400.45	2.08	401.91	4.04	400.28	4.81	401.22	3.27	401.08	ice	4.16	397.06	flooded		8.57	flowing	2.91	
7/24/2023	17.33	401.42	17.40	402.19	18.71	402.55	18.17	401.58	22.81	400.30	2.12	401.87	4.11	400.21	4.84	401.19	3.31	401.04	ice	4.19	397.03	flooded		8.57	flowing	0.14	
8/4/2023	16.22	402.53	17.07	402.52	18.51	402.75	17.64	402.11	22.49	400.62	3.81	400.18	4.01	400.31	4.74	401.29	3.22	401.13	ice	4.16	397.06		0.04	399.45	10.00	flowing	2.83
8/10/2023	17.05	401.70	17.85	401.74	18.62	402.64	18.42	401.33	22.53	400.58	3.80	400.19	3.96	400.36	5.34	400.69	3.81	400.54	ice	3.90	397.32		0.51	399.92	12.00	flowing	3.61
8/18/2023	17.43	401.32	18.13	401.46	19.22	402.04	18.74	401.01	22.60	400.51	4.44	399.55	4.91	399.41	5.39	400.64	4.12	400.23	ice	4.12	397.10		-0.03	399.38	10.00	flowing	0.19
8/24/2023	16.37	402.38	17.20	402.39	18.63	402.63	17.81	401.94	22.69	400.42	3.87	400.12	4.07	400.25	4.83	401.20	3.28	401.07	ice	4.24	396.98		-0.41	399.00	10.90	flowing	0.08