SANBORN HEAD

Private Well Sampling and Treatment Summary Report

NORTH MONMOUTH PFAS SITE
North Monmouth, ME

Prepared for Tex Tech Industries, Inc.
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1.0 INTRODUCTION

On behalf of Tex Tech Industries, Inc (TTI), Sanborn Head and Associates, Inc. (Sanborn Head) has prepared the following sampling summary of results for residential water supply wells and point of entry treatment (POET) systems sampled for per- and poly fluorinated alkyl substances (PFAS) at the North Monmouth PFAS site (Site) in North Monmouth, Maine.

By way of background, as part of a Maine Department of Environmental Protection's (MEDEP) state-wide effort to investigate PFAS contamination, in 2021 MEDEP requested that TTI voluntarily include various PFAS compounds as analytes in an ongoing groundwater monitoring program related to historic VOC contamination that had occurred under the prior ownership of the TTI facility. Thereafter, in coordination with MEDEP, TTI voluntarily commissioned a sampling program of its water supply well along with various other wells in the North Monmouth vicinity to assess groundwater quality of drinking water supply wells.

To date, a total of fifty-four (54) drinking water wells at properties in the vicinity of North Main Street, have been voluntarily sampled by TTI. Specific locations include residential properties located along Old Lewiston Road to the East; North Main Street from East to West; New Street to the North; and Highland Terrace to the South. A total of 26 POET systems were installed at properties where sampling results indicated PFAS detections above the Maine Interim Standard for PFAS of 20 nanograms per liter (ng/L),[1] with follow-up system efficacy sampling completed at each location.[2] A site location map is included as **Figure 1**. A list of residential property information that includes sampling status, well information, initial bottled water status, POET installation status, and POET sampling status are included in **Table 1**. To note, all sampling results prior to June 2022 are based upon samples collected by Wood Environment & Infrastructure Solutions, Inc. (Wood). This report is subject to the limitations provided in **Appendix A**.

2.0 WORK PERFORMED

Section 2 of this report describes the sampling activities TTI has voluntarily performed through February 15, 2023.

2.1 Initial Residential Well Sampling

This sampling effort included initial sampling of drinking water wells to evaluate for the presence of PFAS and to determine the area that might warrant further action. The primary objective of this effort was to identify residences for the provision of temporary bottled water service and subsequent installation of a POET system, based on the detection of PFAS compounds in the residence's drinking water well at concentrations at or above the Maine Interim Standard. A secondary objective of the initial sampling efforts was the delineation of potential PFAS impacts to groundwater to identify and evaluate potential source(s) of the contamination.

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[1] The Maine Interim Standard of 20 ng/L (ppt) applies to the sum of six individual PFAS compounds including PFOA, PFOS, PFHpA, PFNA, PFDA, and PFHxS.

[2] One planned POET system could not be installed at property 40-29 due to a compromised and discontinued water line at the property. As a result of the compromised water line, well water is not currently in use at this residence.

Residential homes that were sampled through these efforts contain a private drinking water source via an overburden (dug) or bedrock (drilled) well and corresponding well pumping system. Many of the residential pumping systems contain an expansion pressure tank, sediment filtration system, or a combination in which water passes prior to supplying the residence. Several homes also utilize a preexisting reverse osmosis (RO) system which provides treatment of the well water prior to use. For the sampling activities, a Sanborn Head representative previewed existing water systems and identified a spigot or sampling location prior to any existing treatment systems to ensure the sampling of raw water from the well. An outdoor spigot for the residential wells was purged for a minimum of ten (10) minutes prior to sample collection to enhance flow through the system before sampling. Parameters were measured periodically during the purge, including temperature, specific conductance, and pH. Samples were collected following the 10-minute purge and were placed on ice and shipped to Eurofins Lancaster Laboratories (Eurofins) for analysis. Eurofins is a NELAP-certified analytical laboratory and certified in Maine to conduct analysis for PFAS. Samples were analyzed for Perfluorooctanoic Acid (PFOA), Perfluorooctanesulfonic Acid (PFOS), Perfluoroheptanoic Acid (PFHpA), Perfluorononanoic Acid (PFNA), Perfluorodecanoic Acid (PFDA), and Perfluorohexanesulfonic Acid (PFHxS) using U.S. Environmental Protection Agency (USEPA) Method 537.1 (isotope dilution).

Several properties that were contacted for initial sampling did not respond and these properties are identified on **Figure 2**. Follow up contact included a second letter request to sample and a visit to the residence to request sampling access. Based on the lack of response, these properties were not included in the sampling program and further communication is not planned at this time.

2.2 POET Systems

2.2.1 POET Installation

Analytical results of the residential well sampling were compared to the Maine Interim Standard for PFAS in drinking water of 20 ng/L (equivalent to parts per trillion) for the combined sum of six different PFAS compounds: PFOA, PFOS, PFHpA, PFNA, PFDA, and PFHxS. Property owners for those residential well systems identified to exceed the Maine Interim Standard were promptly contacted and were offered bottled water as an interim measure voluntarily by TTI with agreement from MEDEP. These residences were also offered the option of having a POET system installed at no expense to the property owner, and those who accepted the system were scheduled for an installation date. TTI contracted a local subcontractor, Water Treatment Equipment, Inc. (WEI), to perform POET treatment system installations. WEI was recommended to TTI by the MEDEP based on the Agency's prior experience working with the contractor to install POET systems in residences elsewhere in Maine to remove PFAS from contaminated drinking water sources.

To date, a total of twenty-six (26) POET systems have been installed in residences in the vicinity of North Monmouth. POET systems were attached to the end of any existing water filtration system of the home, where it then connects back to the water feed line. The POET systems

consist of two, 2.5-cubic foot granular activated carbon (GAC) filter cannisters, and three sampling ports to allow for sample collection. This allows for consistent sampling of each installed system to monitor that the system is operating properly. System installation also included a totalizer flow meter to record the cumulative volume of water passing through each system. Systems were installed during several events between July 29 and November 3, 2022. System installation events were selected based on availability of treatment system components, scheduling availability of homeowners, and timing of receipt of sample results (i.e., as new residences were sampled and residential wells were identified with PFAS concentrations above the Maine Interim Standard, these residences were scheduled for POET installations.) The POET systems installed at each location were the same system shown in a schematic previously provided to and approved by MEDEP, as seen in Section 2.2 of **Appendix C**.

Property 52-58 (shared drinking water well with 52-59) was contacted for POET installation but did not respond. In addition, property 52-63 did not respond to requests for sampling the POET system installed at this residence, including multiple phone calls. Based on a subsequent in-person visit to the residence, it appeared as though it may have been abandoned. Based on the lack of response on the part of homeowners to TTI's repeated attempts to contact them, these properties were not included in the sampling program and further communication is not planned at this time. One planned POET system at Property 40-29 was not installed due to a compromised and discontinued water line at the property. As a result of the compromised water line from a shared private well with Property 40-28, well water is currently not in use at this residence. Finally, Property 52-76 was not able to be sampled during earlier events after TTI was unable to garner consent from the property owner ahead of time due in large part to the fact that the current tenant had not conveyed the request to the property owner. TTI was later successful in obtaining landowner permission and sampling was completed in January 2023. TTI recently received the results from the sample collected at Property 52-76 indicating PFAS concentrations were above the Maine Interim Standard, and the property owner was contacted to coordinate installation of a POET system at the residence. Maine DEP will be notified once the system installation has been completed at Property 52-76.

2.2.2 POET Sampling Activities and Methodology

As recommended by MEDEP, each POET system was sampled approximately six weeks following installation to demonstrate its efficacy. The POET system sampling included three sample ports consisting of a pre-, mid-, and post-location designed to test for PFAS compounds in raw water from the well (pre-treatment), treated water following the first carbon cannister (mid-treatment), and treated water entering the home for use (post-treatment). During sampling of each system, totalizer flow meter readings were recorded to document the cumulative amount of water use through the system since installation. As recommended by MEDEP, prior to sampling, each location was purged for 30 minutes through an outside spigot. Purging resulted in the removal of between 50 and 250 gallons of water, depending primarily on the yield of the well. Field screening parameters were measured periodically during the purge, including temperature, specific conductance, and pH. Following 30 minutes of purge time, plus an additional five-minute purge at each sample port, samples were collected and

placed on ice for shipment to Eurofins for analysis of the six PFAS described above. Samples were analyzed for PFAS using USEPA Method 537.1 (isotope dilution)[3].

Initial performance samples collected at three properties (46-63, 52-3, and 52-77) provided anomalous results as described below in Section 3. For these locations, confirmatory samples were collected to assess system performance. At the request of MEDEP, confirmatory sampling at location 46-63 also included collection of a sample from the kitchen sink. Samples were collected using the same protocol as described in this Section above.

3.0 RESULTS

Section 3.0 details the results gathered from the sampling events described in this report. Analytical data reports are included in **Appendix B-1** (Residential Well results) and **Appendix B-2** (POET Efficacy results).

3.1 Residential Well Analytical Results

Below is a breakdown of PFAS sample results from initial residential well sampling quantifying those at which PFAS detections were shown to be at or above the MEDEP Interim Standard, versus those which were demonstrated to be below the Maine Interim Standard. The properties that fall into one of the above-mentioned criteria are presented in **Figure 2**.

Result Criteria	No. of Properties
Above MEDEP Interim Standard	27
Below MEDEP Interim Standard	25

For wells with PFAS detections at or above the Maine Interim Standard, the total PFAS ranged from 21.8 ng/L (52-59) to 181.49 ng/L (52-74), with a median result of 35.95 ng/L. Across the residential wells with detections for PFAS compounds, PFOA was detected in all instances except for six wells (40-18, 40-27, 40-32, 40-40, 52-9, and 52-23). PFOS was detected in all instances except for twelve wells (40-18, 40-27, 40-32, 40-40, 46-97, 52-5, 52-9, 52-16, 52-23, 52-53-1, 52-54, and 52-73)[4]. Total PFAS concentrations for wells below the Maine Interim Standard ranged from non-detect (six locations total) to 19.8 ng/L. Residential analytical results are summarized in **Table 2** of this report.

3.2 POET System Efficacy Results

Analytical results for sampling of residential wells with POET systems installed were compared to the MEDEP Interim Standard for PFAS in drinking water. As noted above, sampling was

[3] Due to initial post-treatment analytical results from the first group of POET systems installed indicating potential quality control concerns with respect to PFOS, Alpha Analytical Laboratories, also a Maine-certified laboratory currently providing PFAS analytical services under contract with the MEDEP, was used for the second round of post-treatment sample analysis. However, analytical results indicated similar quality control concerns and anomalous results for PFOS. Therefore, the decision was made to complete subsequent analysis by Eurofins.

[4] Please note that the information presented does not include the two former water supply wells that were sampled (52-14 overburden well and 46-63A) which are no longer used for drinking water.

conducted in three locations: pre- (raw well water prior to treatment), mid- (water collected after the first treatment cannister), and post- (water collected after the second and final treatment cannister). Below is a breakdown of properties sampled from the pre-, mid-, and post-treatment sampling locations which are above the Maine Interim Standard, above detection limits but below Maine Interim Standard, and non-detect.

Result Criteria	No. of Properties Pre-Point	No. of Properties Mid-Point	No. of Properties Post Point
Above MEDEP Interim Standard	24	2	0
Below MEDEP Interim Standard	1	16	5
Non-Detect	0	7	20

To date, 25 residential wells with POET Systems of the 26 total installed have been sampled to confirm system efficacy. Of the 25 systems with analytical results, 23 indicated concentrations of total PFAS below the Maine Interim Standard for the combined sum of the six different PFAS compounds post treatment, of which 20 were non-detect, while the remaining five varied between 0.95 ng/L to 5.96 ng/L.

Two POET system post-treatment sample results from initial efficacy sampling indicated PFAS levels above the Maine Interim Standard at 21.0 and 42.8 ng/L. These POET systems (52-3 and 52-77) were promptly and voluntarily re-sampled in January 2023, as described further below. The POET system installed for 46-63 was also resampled in January 2023 at the request of MEDEP, including an additional sample from the residence's kitchen sink[5].

As previously discussed with the MEDEP during prompt submittal of residential well and POET system sample results to property owners and MEDEP (described below in Section 3.3), exceedances of the Maine Interim Standard in mid- and post-treatment samples described above were solely the result of PFOS detections. In fact, there was only one well (52-77) where detections of *any* PFAS compounds other than PFOS were observed in mid- and post-treatment samples.[6] In most cases, detections of PFOS in mid or post-treatment samples were not internally consistent. For example, detected PFOS concentrations in post-treatment samples were commonly higher in concentration than the raw well sample, the mid sample, or both locations. In addition, some of the PFOS detections in mid and post-treatment samples were identified by the laboratory with a quality control qualifier. Based on discussions with the laboratory, the qualifier (noted as "I" of "F" in Table 3 for results where this qualifier was reported) is due to matrix interference and results in a "maximum possible estimated concentration" reported by the laboratory. Finally, the only Maine Interim Standard exceedances (Property 52-3 and 52-77) in the post-treatment samples were from properties with very low well use following installation of the POET system (on the order of 20% of median

[5] The sample from property 46-63 kitchen sink was the only sample collected of this kind and was expressly requested for sampling by MEDEP as follow up confirmatory sampling due to anomalous PFOS results in mid- and post-treatment samples.

[6] PFHpA and PFOA were detected in the post-treatment sample of 52-77, however the combined sum of both compounds was less than half of the Maine Interim Standard of 20 ppt (9.8 ppt).

well use and less than 1,200 gallons in approximately six weeks of use). Confirmatory sampling of POET systems from Property 52-3 and 52-77 in January 2023 indicate that PFAS were non-detect in the mid- and post-treatment samples.

Based on the information above, the PFOS results in the mid and post-treatment samples likely are related to laboratory quality control issues and/or remnant PFAS compounds from materials used in the POET installation process (i.e., plumber's tape, components, and/or cement) of which there are not suitable replacement products at this time. The internal inconsistency, the fact that only PFOS was detected primarily (whereas PFOA typically was detected at higher concentrations in the raw water and PFOS has a higher affinity for adsorption), higher concentrations in wells with lower total flow, and the laboratory qualifiers for several of the locations with anomalous results, strongly suggests these data are not indicative of the POET systems functioning improperly. Rather, confirmatory data from January 2023 for Property 52-3 and 52-77 showing non-detect for mid- and post-treatment samples and the data from the remaining 23 systems demonstrate that POET systems are functioning as intended and are providing drinking water at concentrations below Maine Interim Standards. POET system efficacy results are presented in **Table 3**.

3.3 Interim Reporting/Measures

After receipt of analytical data from the laboratory, TTI, with assistance from Wood or Sanborn Head, voluntarily provided timely residential notification letters to homeowners detailing results as compared to the Maine Interim Standard, as well as potential next steps in the investigation. Representatives at MEDEP were notified of results, copied on respective residential correspondences, and provided electronic data deliverables (EDDs) of the analytical results to be uploaded to the MEDEP sampling data database. In consultation with MEDEP, for residential wells that tested above the MEDEP Interim Standard, TTI voluntarily implemented the interim provision of bottled drinking water service to residents during the ongoing investigations. Interim provision of bottled water was paid for by TTI. A total of thirty-two (32) homes were offered the provision of bottled water, as identified on **Table 1,** and presented on **Figure 2**. Additionally, TTI extended the offer to provide bottled drinking water service to three properties (52-5, 52-14, and 52-73) whose drinking water wells were shown through sampling to have PFAS concentrations below the Maine Interim Standard. These properties were offered bottled water due to their location near an adjacent property with a well that tested at or above the Maine Interim Standard. Two of the properties (52-14 and 52-73) did not accept the offer, and bottled water delivery was later discontinued for property 52-5 once results confirmed their well was below Maine Interim Standards. Given confirmatory sampling results below the Maine Interim Standard, POET systems were not installed at these three properties.

Two properties (40-29 and 52-4) were offered bottled water on account of the fact that each shared a well whose sampling results indicated PFAS concentrations at or above the Maine Interim Standard. Property 52-4 has since received a POET system and bottled water service was discontinued. As referenced previously, Property 40-29 was determined to have a compromised and discontinued waterline, thus a POET system was not installed at this property. In addition, during initial testing, property 52-76 was offered bottled water but was

not sampled. The residential well at this property has now been sampled and results are pending. Finally, property 52-75 was extended a bottled water service offer during initial sampling but based on review of further information, this property appears to be undeveloped and does not contain a drinking water well that services this property.

As POET systems were installed, a sampling schedule was initiated to confirm the efficacy of POET system performance. Following the receipt of POET performance analytical data (as described in Section 3.2), TTI sent notification letters to homeowners detailing results compared to the Maine Interim Standard and to notify homeowners that their POET systems were operating as intended. Following consultation with and agreement from MEDEP, notification letters also included information that the provision of bottled water would cease at the end of the current month when the communication was sent, and normal water use could resume. As noted above, in the two instances where initial system sampling results indicated the presence of PFOS in post samples, bottled water delivery was continued until the confirmatory sample results were received and verified system performance.

4.0 POET SYSTEM O&M

Section 4.0 provides a summary of the operational and maintenance plan (included as **Appendix C**) that will be implemented for installed residential POET systems going forward.

4.1 POET System O&M Summary

The following presents planned operation and maintenance (O&M) activities including the sampling frequency and protocols for POET system monitoring for the initial two years of the program. Based on the results of the initial two-year maintenance and monitoring program, parameters may be modified accordingly for future monitoring and maintenance of system operation. As is typical with systems of this nature, Sanborn Head anticipates that monitoring and maintenance frequency will be able to be reduced over time.

4.1.1 Sampling Frequency

Residential POET sampling is anticipated to be completed on a semi-annual basis in the months of March and September during the next two years (2023 and 2024). TTI will continue to contact residential homeowners to schedule sampling appointments based on availability. Sampling methodology for O&M activities will be performed in the same manner as described in Section 2.2.2 but will only include samples from the mid and post sample locations at each POET system. Samples will be analyzed for PFOA, PFOS, PFHpA, PFNA, PFDA, and PFHxS in accordance with USEPA Method 537.1 (isotope dilution) by a Maine certified laboratory. Detailed sampling procedures are described in Appendix C.

4.1.2 POET System O&M Reporting

Following receipt of analytical data from POET sampling, notification letters will be provided to residents with copies to the MEDEP within 15 business days. In addition, an annual report summarizing O&M activities, system monitoring analytical results, and recommendations for changes to the O&M Plan will be submitted to MEDEP in December of each year. For further details please refer to Section 4.0 of Appendix C.

4.1.3 Determination of Next Steps Based on Results/Carbon Change Out

After review of the analytical results from the previous sampling round and flow readings collected during sampling, TTI will determine if any breakthrough is occurring through the POET system (as defined in Section 3.1 of **Appendix C**, but generally based on detections of PFOA, PFOS, PFHpA, PFNA, PFDA, and/or PFHxS above Maine Interim Standards) and if carbon changeout is necessary. TTI will contact an authorized contractor to perform carbon change out or other maintenance activities as they may arise. During the initial two years of O&M, it is anticipated that at least one annual visit will occur to verify the components/functionality of the POET system and to replace spent carbon (outside of sample collection). The frequency of O&M site visits will be evaluated following the initial two years of monitoring. The first round of visits will be completed in March 2023, approximately one year following initial POET installations. If data indicate carbon replacement is needed at this time, carbon changeout will occur during the one-year visit. Carbon replacement will include removing the first carbon cannister, moving the second carbon vessel to the first position, and installing a new carbon vessel in the second position. The contractor will dispose of the spent carbon off-site in accordance with applicable state and federal regulations, which may or may not include sending the spent carbon to an appropriate facility for re-generation and re-use.

If breakthrough is determined (as defined in Appendix C) ahead of the annual visit, carbon vessel changeout will occur in the same vessel alignment sequence. Follow-up POET efficacy sampling will be completed during the next regularly scheduled monitoring event following carbon changeout, if and when carbon changeout is required. Follow-up POET efficacy sampling will be performed in the same manner as described in Appendix C.

TTI will arrange for an approved water filtration company to coordinate carbon replacement visits with residential homeowners at least ten (10) business days in advance of scheduled activities. A description of maintenance activities will be provided to each homeowner within the residential result letters detailing previous sampling results and during follow-up contact to schedule the next appointment.

5.0 PFAS DELNEATION ABOVE MAINE INTERIM STANDARD

During the voluntary PFAS investigation, a series of boundary criteria were developed based on review of available data and information. These criteria provided guidance to help determine the extent of contamination and identify additional delineation sampling needed, and in what direction to investigate. These criteria are:

- Two or more private drinking water wells that have a total PFAS concentration of the six PFAS compounds that is 50% less than the Maine Interim Standard (20 parts per trillion) geographically beyond the nearest residential well exhibiting an exceedance of the Maine Interim Standard;
- Two or more private drinking water wells that have total PFAS concentrations that are less than the Maine Interim Standard beyond the nearest residential well exhibiting an

exceedance and there is a decreasing trend in PFAS concentrations spatially from the New and North Main Streets intersection.
- Three or more private drinking water wells are less than the Maine Interim Standard beyond the nearest exceedance of the Maine Interim Standard; and/or
- Residential drinking water wells at a distance of 650 feet or greater from the nearest residential well exhibiting an exceedance above the Maine Interim Standard where there is not developed property or residential drinking water wells present in the intervening area.

Figure 3 of this report was developed to assist in the visualization of the extent of contamination. Residential properties sampled, or attempted to contact for sampling, are color-coded in the following manner:

- Properties below the Maine Interim Standard are shown in green shading;
- Properties above the Maine Interim Standard are shown with blue border and a yellow halo around the approximate well location;
- Properties with blue diagonal hashing have received a POET system;
- Properties that were unresponsive to sampling requests or unavailable for sampling are shown with a red border;
- Properties with grey shading are undeveloped; and
- Areas of properties with grey diagonal hashing indicate areas that appear forested/undeveloped and are unlikely to have a drinking water source.

Based on the results of the investigation, there are twenty-five (25) drinking water wells that are below the Maine Interim Standard. Of those twenty-five, seventeen (17) residential wells are at least half that of the Maine Interim Standard (i.e., below 10 ng/L) and six are non-detect for the PFAS compounds. There are 28 private drinking water wells where detected PFAS concentrations exceeded the Maine Interim Standard. Of these wells, 26 have POETs installed and their performance has been confirmed to provide drinking water with PFAS concentrations below Maine Interim Standards. One overburden drinking water well (52-13) and one bedrock well (46-63A) are no longer in use and the home is serviced by a bedrock drinking water well that was tested below Maine Interim Standards (52-13) or received a POET (46-63). One residence (40-29) that shares a private well with the residence at 40-28 does not currently have water service to the building due to a compromised water line from the well location. Once this residence repairs the damaged service line, a POET will be installed if requested by the homeowner. Property 52-58 has been identified to share a well with property 52-59 (POET installed) but has been unresponsive to requests of offered bottled water and/or installation of a POET system. Based on these data and as shown on Figure 3, the criteria described above have been met to demonstrate delineation of PFAS impacts to private drinking water wells related to the Site. Therefore, additional residential water supply well sampling and treatment is not warranted at this time.

6.0 CONCLUSIONS/RECOMMENDATIONS

Work completed and results observed to date include the following:

- Sampling of 52 residential supply wells (two of which no longer service a residence and are not used for drinking water use) with analysis of PFOA, PFOS, PFHpA, PFNA, PFDA, and PFHxS.
- Results indicated that 29 of the sampled wells contained PFAS concentrations above the Maine Interim Standard for PFAS of 20 ng/L, and 27 wells were currently in use for drinking water purposes. Each of the locations where the well was being used for drinking water were offered bottled water as an interim measure.
- 26 residences were provided with POET systems to return drinking water to concentrations below Maine Interim Standards for PFAS prior to use. One property, 52-76, has been offered a POET system based on sample results collected in January 2023 and coordination for installment of that system is ongoing.
- Two residences currently being serviced by wells with PFAS detected above the Maine Interim Standards did not receive POET systems due to no response (52-58) and a compromised water line to the house (40-29).
- Efficacy sampling of the 26 POET systems has confirmed that the systems are operating as intended and are providing treated drinking water that does not contain PFAS above the Maine Interim Standard.

Based on the data and information presented herein, residential well sampling and POET installations are complete as the extent of private well impacts above the Maine Interim Standard for PFAS have been identified and delineated. No further residential well sampling or POET installations are planned.

As described in **Appendix C**, POET Operations and Maintenance Plan, ongoing system monitoring will occur during POET operation over the next two calendar years with the frequency and protocols described herein. Future O&M monitoring will continue but the protocols will be assessed after two years and any necessary modifications will be made at that time. Additionally, carbon changeout will occur as dictated by sampling results and assessing any breakthrough of PFAS between the two carbon cannisters installed for each system. Sanborn Head and TTI will work with the WEI or similar contractor to perform any required maintenance.

Ongoing voluntary investigation to assess potential sources of the PFAS detected in residential wells is planned for Spring 2023.

Tables

Table 1
Residential Property Summary
North Monmouth PFAS Site
North Monmouth, Maine

Map	Parcel	Street Address	Well Information	Date(s) Sampled	Bottled Water Offered?	POET Installed Date	POET Sampling Date
40	15	41 Highland Terrace	Dug Well	3/10/2022	No	NA	NA
40	18	29 Highland Terrace	Drilled Well	6/1/2022	No	NA	NA
40	27	29 Old Lewiston Road	Unknown	10/21/2022	NA	NA	NA
40	28	37 North Main Street	Drilled Well	8/24/2022	Yes	11/3/2022	12/20/2022
40	29	44 North Main Street	Shared Well with 40-28	NA	Yes	NA**	NA
40	30	36 North Main Street	Drilled Well	8/24/2022	Yes	11/3/2022	12/20/2022
40	31	59 Old Lewiston Road	Unknown	No Response To Sampling Request	NA	NA	NA
40	32	68 Old Lewiston Road	Unknown	11/30/2022	NA	NA	NA
40	33	60 Old Lewiston Road	Unknown	10/19/2022	NA	NA	NA
40	35	48 Old Lewiston Road	Dug Well	8/25/2022	Yes	11/3/2022	12/21/2022
40	37	30 Old Lewiston Road	Unknown	10/20/2022	NA	NA	NA
40	40	16 North Main Street	Unknown	10/19/2022	NA	NA	NA
40	41	6 North Main Street	Unknown	No Response To Sampling Request	NA	NA	NA
40	42	2 North Main Street	Unknown	Not Available for Sampling Per Owner	NA	NA	NA
46	63	116 North Main Street	(2) Drilled Wells	12/29/2021, 10/4/2019, 2/3/2022	Yes	8/10/2022	10/19/2022; 1/12/2023; 1/19/2023
46	64	75 Old Lewiston Road	Unknown	10/21/2022	NA	NA	NA
46	97	117 Old Lewiston Road	Unknown	10/21/2022	NA	NA	NA
52	1	49 North Main Street	Drilled Well	6/1/2022	Yes	7/29/2022	9/15/2022

Table 1
Residential Property Summary
North Monmouth PFAS Site
North Monmouth, Maine

Map	Parcel	Street Address	Well Information	Date(s) Sampled	Bottled Water Offered?	POET Installed Date	POET Sampling Date
52	2	53 North Main Street	Drilled Well	8/24/2022	Yes	11/1/2022	12/21/2022
52	3	55 North Main Street	Shared Well with 52-4	NA	Yes	11/1/2022	12/20/2022; 1/12/2023
52	4	59 North Main Street	Drilled Well	8/24/2022	Yes	11/1/2022	12/20/2022
52	5	79 North Main Street	Drilled Well	9/15/2022	Yes*	NA	NA
52	8	57 Highland Terrace	Drilled Well	No Response To Sampling Request	NA	NA	NA
52	9	59 Highland Terrace	Drilled Well	8/25/2022	No	NA	NA
52	10	61 Highland Terrace	Drilled Well	6/1/2022	No	NA	NA
52	11	65 Highland Terrace	Unknown	No Response To Sampling Request	NA	NA	NA
52	12	62 Highland Terrace	Drilled Well	2/22/2022	Yes	8/23/2022	12/21/2022
52	13	52 Highland Terrace	Drilled and Dug Well (Dug Well Sampled - Non Potable Use	3/17/2022 (Dug); 9/15/2022 (Drilled)	No	NA	NA
52	14	58 Highland Terrace	Drilled Well	3/17/2022	Yes***	NA	NA
52	16	38 Highland Terrace	Dug Well	8/25/2022	No	NA	NA
52	17	26 Highland Terrace	Dug Well	No Response To Sampling Request	NA	NA	NA
52	18	20 Highland Terrace	Unknown	No Response To Sampling Request	NA	NA	NA
52	19	70 Highland Terrace	Drilled Well	8/25/2022	No	NA	NA
52	20	69 Highland Terrace	Unknown	No Response To Sampling Request	NA	NA	NA
52	23	147 North Main St	Drilled Well	2/3/2022	No	NA	NA
52	25	151 North Main Street	Drilled Well	6/23/2022	No	NA	NA

Table 1
Residential Property Summary
North Monmouth PFAS Site
North Monmouth, Maine

Map	Parcel	Street Address	Well Information	Date(s) Sampled	Bottled Water Offered?	POET Installed Date	POET Sampling Date
52	45	154 North Main Street	Drilled Well	6/1/2022	No	NA	NA
52	46	150 North Main Street	Drilled Well	3/10/2022	Yes	8/26/2022	10/21/2022
52	47	144 North Main Street	Dug Well	6/23/2022	Yes	11/1/2022	12/21/2022
52	49	5 New Street	Drilled Well	2/10/2022	Yes	8/10/2022	10/19/2022
52	50	9 New Street	Drilled Well	2/3/2022	Yes	7/29/2022	9/15/2022
52	51	13 New Street	Drilled Well	2/3/2022	Yes	8/10/2022	10/19/2022
52	52	17 New Street	Drilled Well	2/10/2022	No	NA	NA
52	53-1	25 New Street	Drilled Well	2/10/2022	No	NA	NA
52	54	35 New Street	Drilled Well	2/3/2022	No	NA	NA
52	55	43 New Street	Dug Well	6/23/2022	NA	NA	NA
52	56	25 New Street	Drilled Well	No Response To Sampling Request	NA	NA	NA
52	57	20 New Street	Drilled Well	2/3/2022	No	NA	NA
52	58	16 New Street	Unknown	No Response To Sampling Request	NA	NA	NA
52	59	12 New Street	Drilled Well	12/29/2021	Yes	8/10/2022	10/20/2022
52	60	8 New Street	Unknown	Unavailable for Sampling - Property Appears Abandoned	NA	NA	NA
52	61	130 North Main Street	Drilled Well	12/29/2021	Yes	8/10/2022	10/19/2022
52	63	128 North Main Street (Wilson Store)	Drilled Well	12/29/2021	Yes	8/10/2022	Unable to Collect - Property Unaccessible/Owner Unresponsive
52	64	7 Holeway Lane	Drilled Well	No Response To Sampling Request	NA	NA	NA

Table 1
Residential Property Summary
North Monmouth PFAS Site
North Monmouth, Maine

Map	Parcel	Street Address	Well Information	Date(s) Sampled	Bottled Water Offered?	POET Installed Date	POET Sampling Date
52	65	10 Holeway Lane	Drilled Well	12/29/2021	Yes	7/29/2022	9/15/2022
52	66	6 Holeway Lane	Drilled Well	11/24/2021	Yes	7/29/2022	9/16/2022
52	67	124 North Main Street	Dug Well	12/29/2021	Yes	8/23/2022	10/20/2022
52	70	98 North Main Street	Dug Well	2/10/2022	Yes	8/26/2022	10/21/2022
52	71	94 North Main Street	Drilled Well	2/10/2022	Yes	8/23/2022	10/21/2022
52	72	90 North Main Street	Unknown	No Response To Sampling Request	NA	NA	NA
52	73	86 North Main Street	Drilled Well	2/22/2022	Yes	NA	NA
52	74	84 North Main Street	Drilled Well	2/10/2022	Yes	8/23/2022	12/21/2022
52	75	84 North Main Street	Unknown	NA - Bottled Water Request Sent	Yes	NA	NA
52	76	80 North Main Street	Unknown	1/12/2023 - Bottled Water Request Sent	Yes	POET Request Sent - Install Date Pending	POET Request Sent - Install Date Pending
52	77	70 North Main Street	Dug Well	3/10/2022	Yes	10/7/2022	12/20/2022; 1/19/2023
52	78	74 North Main Street	Drilled Well	3/10/2022	Yes	8/26/2022	11/30/2022
52	79	60 North Main Street	Drilled Well	6/1/2022	Yes	10/7/2022	11/30/2022

Notes:
Accepted Bottled Water Offer as of February 15, 2023
Unable to Contact for Sampling
NA - Not Applicable
"*" indicates offered botted water prior to sampling as a pre-cautionary measure. Sampling indicated that well is below Maine Interim Standard so bottled water has been termina
"**" indicates that the property water line is currently compromised and do not have well water servicing property. No POET has been installed.
"***" indicates property was below Maine Interim Standard but offered bottled water as a pre-cautionary measure.

Table 2
Summary of Analytical Results
North Monmouth PFAS Site
North Monmouth, Maine

Sample Location	Sample Date	Sample Type	Perfluoroheptanoic Acid (PFHpA)	Perfluorooctanoic Acid (PFOA)	Perfluorononanoic Acid (PFNA)	Perfluorodecanoic Acid (PFDA)	Perfluorohexanesulfonic Acid (PFHxS)	Perfluorooctanesulfonic Acid (PFOS)	Total PFOA + PFOS + PFHpA + PFNA + PFDA + PFHxS
Maine Interim Level			20	20	20	20	20	20	20
40-15	3/10/2022	N	<1.9	3.6	<1.9	<1.9	2.1	2.6	8.3
40-18	6/1/2022	N	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	ND
40-27	10/21/2022	N	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	ND
40-28/40-29	8/24/2022	N	6.7	**35**	<1.7	<1.7	3.3	12	**57**
40-30	8/24/2022	N	4.4	**27**	<1.7	<1.7	1.9	8.4	**41.7**
40-32	11/30/2022	N	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	ND
40-33	10/19/2022	N	0.56 J	3.3	<1.7	<1.7	0.51 J	2.4	6.77
40-35	8/25/2022	N	6.2	**27**	0.54 J	<1.6	2.2	12	**47.94**
40-37	10/20/2022	N	<1.6	2.4	<1.6	<1.6	<1.6	1.2 J	3.6
40-40	10/19/2022	N	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	ND
46-63	12/29/2021	N	3.1	**22**	<1.9	<1.9	1.8 J	3.8	**30.7**
46-63 Sink	1/19/2023	N	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	ND
46-63A	10/4/2019	N	1.1 J	7.9	<1.9	<1.9	1.3 JB	**29**	**39.3**
46-63A	2/3/2022	N	1.3 J	11	<1.6	<1.6	0.87 J	18	**31.17**
46-63A	2/3/2022	FD	0.71 J	5.9	<1.7	0.34 J	<1.7	**27**	**33.95**
46-64	10/21/2022	N	1.3 J	5.4	<1.7	<1.7	0.60 J	2.6	9.9
46-97	10/21/2022	N	<1.7	1.0 J	<1.7	<1.7	<1.7	<1.7	1.0
52-1	6/1/2022	N	7.1	**39**	<1.6	<1.6	5.9	**28** JHB	**80.0**
52-2	8/24/2022	N	2.7	18	<1.7	<1.7	1.7	11	**33.4**
52-3/52-4	8/24/2022	N	5.7	**39**	<1.6	<1.6	2.8	**22**	**69.5**
52-5	9/15/2022	N	1.3 J	5.4	<1.7	<1.7	0.68 J	<1.7	7.38
52-9	8/25/2022	N	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	ND
52-10	6/1/2022	N	<1.6	1.3 J	<1.6	<1.6	<1.6	0.53 JB	1.83
52-12	2/22/2022	N	3.6	**29**	<1.8	<1.8	2.7	7.8 I	**43.1**
52-13	3/17/2022	N	4.1	**25**	0.41 J	<1.8	2.4	12	**43.91**
52-13	9/15/2022	N	<1.6	3.9	<1.6	<1.6	0.88 J	2.5 I	7.28
52-14	3/17/2022	N	1.3 J	12	<1.9	<1.9	1.6 J	4.9 I	19.8
52-16	8/25/2022	N	<1.7	0.53 JB	<1.7	<1.7	<1.7	<1.7	0.53
52-19	8/25/2022	N	<1.6	1.8	<1.6	<1.6	<1.6	0.57 J	2.37
52-23	2/3/2022	N	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	ND
52-25	6/23/2022	N	0.50 J	3.2	<1.6	<1.6	0.59 J	0.92 J	5.21
52-45	6/1/2022	N	0.56 J	3.6	<1.7	<1.7	0.51 J	0.88 JB	5.55
52-46	3/10/2022	N	4.3	**25**	<1.8	<1.8	2.5	4.1 I	**35.9**
52-47	6/23/2022	N	8.4	**68**	<1.7	<1.7	5.9	10	**92.3**
52-49	2/10/2022	N	3.3	**33**	<1.9	<1.9	4.4	2.6 I	**43.3**
52-50	2/3/2022	N	3.4	**35**	<1.7	<1.7	4.9	2.6 I	**45.9**
52-50	2/3/2022	FD	3.3	**32**	<1.6	<1.6	4.6	2.5	**42.4**
52-51	2/3/2022	N	1.8	19	<1.7	<1.7	3.1	1.9 I	**25.8**
52-52	2/10/2022	N	0.66 J	6.3	<1.9	<1.9	1.1 J	2	10.06
52-53-1	2/10/2022	N	0.30 J	3.4	<1.9	<1.9	0.72 J	<1.9	4.42
52-54	2/3/2022	N	<1.8	1.2 J	<1.8	<1.8	<1.8	<1.8	1.2
52-55	6/23/2022	N	1.8	8.6	<1.7	<1.7	0.91 J	2.7	14.01
52-57	2/3/2022	N	<1.8	2.1	<1.8	<1.8	1.2 J	2.4 I	5.7
52-59	12/29/2021	N	1.6 J	16	<1.9	<1.9	2.6	1.6 JI	**21.8**
52-61	12/29/2021	N	2.6	**24**	<2.0	<2.0	3.7	2.5 I	**32.8**
52-63	12/29/2021	N	2.3	**21**	<1.9	<1.9	3.5	1.6 JI	**28.4**
52-65	12/29/2021	N	3.2	**36**	<2.0	<2.0	3.9	9.1 I	**52.2**
52-66	11/24/2021	N	3.9	**39**	<1.9	<1.9	3.5	8.4 I	**54.8**
52-67	12/29/2021	N	8.6	**53**	1.3 J	0.36 J	3.5	**33**	**99.76**
52-70	2/10/2022	N	6.7	**31**	0.26 J	<1.9	2.3	4.8 I	**45.06**
52-71	2/10/2022	N	5.8	**25**	0.26 J	<1.9	2.0	3.6	**36.66**
52-73	2/22/2022	N	2.4	14	<1.7	<1.7	2.0	<1.7	18.4
52-74	2/10/2022	N	**22**	**120**	2.2	0.79 J	6.5	**30**	**181.49**
52-76	1/12/2023	N	7.3	**34**	<1.6	<1.6	2.1	4.2 I	**47.6**
52-77	3/10/2022	N	3.3	17	<1.8	<1.8	1.5 J	2.9	**24.7**
52-78	3/10/2022	N	3.3	**29**	<1.9	<1.9	3.9	2.6 I	**38.8**
52-79	6/1/2022	N	15 B	**88**	0.79 J	<1.6	5.9	**65** B	**174.69**
Fire Station	2/14/2022	N	6.74	**24.3**	<2	<2	2.21	**25.8**	**59.05**
Fire Station	3/24/2022	N	4.24	15.1	0.596 J	<1.83	1.95	**22.9**	**44.8**
Fore Bay	6/23/2022	N	0.82 J	2.1	<1.6	<1.6	<1.6	1.4 J	4.32
Mill Pond	6/23/2022	N	0.79 J	1.5 J	<1.6	<1.6	<1.6	2.0	4.29
MW-106-16	3/17/2022	N	**63**	**210**	17	**20**	15	**300**	**625**
MW-203C	4/1/2022	N	**31**	**140**	3.3	<1.9	10	**83**	**267.3**
MW-204A	10/4/2019	N	0.27 J	1.2 J	<2	<2	0.46 JB	2.0 I	3.93
MW-204A	4/1/2022	N	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	ND
MW-204B	4/1/2022	N	6.8	**29**	1.2 J	4.3	2	1.5 JI	**44.8**
POD-1	6/23/2022	N	**63**	**190**	**25**	**66**	13	**500**	**857**
POD-2	3/17/2022	N	**200**	**1,600**	**28** J	<100	**700**	**7,200**	**9,728**
POD-2 ¥	6/23/2022	N	**280**	**1,600**	**39**	8.2	**1,000**	**12,000**	**14,927**
POD-2	6/23/2022	N	**290**	**1,500**	**38**	9.1	**1,000**	**10,000**	**12,837**
POD-3	6/23/2022	N	1.4 J	3.4	0.75 J	<1.7	<1.7	8.0	13.55
SW-1	6/23/2022	N	0.98 J	1.9	<1.7	<1.7	<1.7	1.3 J	4.18
SW-2	6/23/2022	N	0.95 J	2.2	<1.6	<1.6	<1.6	6.2	9.35
SW-3	6/23/2022	N	0.94 J	2.2	<1.7	<1.7	<1.7	2.4	5.54
W-1	9/25/2018	N	**32**	**150**	8.5	8.1	9.2 B	**150**	**357.8**
W-1	12/29/2021	N	**20**	**120**	5.5	9.2	7.3	**110**	**272**
W-2	3/10/2022	N	**42**	**250**	7.7	7.2	12	**180**	**498.9**

Notes:
1. Samples from November 2021 were collected by Katahdin Analytical Services of Scarborough, Maine. Samples from September 2018 through April 2022 were collected by Wood E&I Solutions, Inc. of Portland, Maine.
Fire Station sample from February 2022 was collected by the Town of Monmouth, Maine. Fire Station sample from March 2022 was collected by Maine DEP.
Samples from June 2022 to present were collected by Sanborn Head.

2. Concentrations are presented in nanograms per liter (ng/L) which are equivalent to parts per trillion (ppt).

3. "FD" indicates a field duplicate sample was collected and analyzed.
"N" indicates normal parent sample collected and analyzed.
"ND" indicated non-detect.

4. "<" indicates the analyte was not detected above the indicated laboratory reporting limit (RL).
"B" indicates the the compound was present in the associated laboratory method blank or field QC blank.
"E" indicated the concentration of the analyte exceeds the range of the calibration curve and/or linear range of the instrument.
"F" and "I" indicates the result is an estimated maximum possible concentration.
"J" indicates the result is less than the laboratory RL but greater than or equal to the laborary method detection limit. The concentration is an approximate value.
"JH" indicates the ion transition ratio is outside of acceptance criteria and the concentration should be considered estimated with a potential high bias.
"¥" indicated the sample was centrifuged by the lab prior to analysis.

5. "Maine Interim Level" refers to the State of Maine drinking water standard for PFAS for the individually or combined sum of six different PFAS compounds of 20 ng/L: PFOA, PFOS, PFHpA, PFNA, PFDA, and PFHxS.

6. **Bold** values exceed the Maine Interim Level.

Table 3
Summary of POET Analytical Results
North Monmouth PFAS Site
North Monmouth, Maine

Sample Location	Sample Date	Sample Type	Total Flow (gallons)	Perfluoroheptanoic Acid (PFHpA)		Perfluorooctanoic Acid (PFOA)		Perfluorononanoic Acid (PFNA)		Perfluorodecanoic Acid (PFDA)		Perfluorohexanesulfonic Acid (PFHxS)		Perfluorooctanesulfonic Acid (PFOS)		Total PFOA + PFOS + PFHpA + PFNA + PFDA + PFHxS
Maine Interim Level				20		20		20		20		20		20		20
40-28 Pre	12/20/2022	N	3,883.94	7.2		42		<1.7		<1.7		3.6		66		**118.8**
40-28 Mid	12/20/2022	N		<1.7		<1.7		<1.7		<1.7		<1.7		23		**23**
40-28 Post	12/20/2022	N		<1.7		<1.7		<1.7		<1.7		<1.7		<1.7		ND
40-30 Pre	12/20/2022	N	8,090.96	5.5		32		<1.6		<1.6		2.3		18		**57.8**
40-30 Mid	12/20/2022	N		<1.7		<1.7		<1.7		<1.7		<1.7		40		**40**
40-30 Post	12/20/2022	N		<1.7		<1.7		<1.7		<1.7		<1.7		<1.7		ND
40-35 Pre	12/21/2022	N	4,865.85	7.0		29		<1.6		<1.6		2.2		24		**62.2**
40-35 Mid	12/21/2022	N		<1.6		<1.6		<1.6		<1.6		<1.6		<1.6		ND
40-35 Post	12/21/2022	N		<1.6		<1.6		<1.6		<1.6		<1.6		<1.6		ND
46-63 Pre	10/19/2022	N	9,909.96	4.43		23		<1.77		<1.77		2.06		10.7		**40.19**
46-63 Mid	10/19/2022	N		<1.79		<1.79		<1.79		<1.79		<1.79		8.57		8.57
46-63 Post	10/19/2022	N		<1.8		<1.8		<1.8		<1.8		<1.8		9.93		9.93
46-63 Pre	1/12/2023	N	23,108.20	6.2		32		<1.8		<1.8		2.4		6.0		**46.6**
46-63 Mid	1/12/2023	N		<1.7		<1.7		<1.7		<1.7		<1.7		<1.7		ND
46-63 Post	1/12/2023	N		<1.7		<1.7		<1.7		<1.7		<1.7		<1.7		ND
52-1 Pre	9/15/2022	N	7,338.37	7.1		42		<1.6		<1.6		5.5		29		**83.6**
52-1 Mid	9/15/2022	N		<1.6		<1.6		<1.6		<1.6		<1.6		2.1		2.1
52-1 Post	9/15/2022	N		<1.7		<1.7		<1.7		<1.7		<1.7		0.95	J	0.95
52-2 Pre	12/21/2022	N	3,214.61	1.8		11		<1.7		<1.7		<1.7		9.3		**22.1**
52-2 Mid	12/21/2022	N		<1.7		<1.7		<1.7		<1.7		<1.7		2.2		2.2
52-2 Post	12/21/2022	N		<1.8		<1.8		<1.8		<1.8		<1.8		<1.8		ND
52-3 Pre	12/20/2022	N	1,127.00	6.2		38		<1.7		<1.7		2.8		21		**68.0**
52-3 Mid	12/20/2022	N		<1.7		<1.7		<1.7		<1.7		<1.7		2.0		2.0
52-3 Post	12/20/2022	N		<1.6		<1.6		<1.6		<1.6		<1.6		21		**21.0**
52-3 Pre	1/12/2023	N	2,419.64	6.3		42		<1.7		<1.7		2.8		18		**69.1**
52-3 Mid	1/12/2023	N		<1.7		<1.7		<1.7		<1.7		<1.7		<1.7		ND
52-3 Post	1/12/2023	N		<1.6		<1.6		<1.6		<1.6		<1.6		<1.6		ND
52-4 Pre	12/20/2022	N	5,786.08	6.2		40		<1.7		<1.7		2.9		21		**70.1**
52-4 Mid	12/20/2022	N		<1.8		<1.8		<1.8		<1.8		<1.8		<1.8		ND
52-4 Post	12/20/2022	N		<1.7		<1.7		<1.7		<1.7		<1.7		<1.7		ND
52-12 Pre	12/21/2022	N	16,500.00	3.2		21		<1.6		<1.6		2.0		7.9	I	**34.1**
52-12 Mid	12/21/2022	N		<1.7		<1.7		<1.7		<1.7		<1.7		3.6		3.6
52-12 Post	12/21/2022	N		<1.7		<1.7		<1.7		<1.7		<1.7		<1.7		ND
52-46 Pre	10/21/2022	N	2,938.03	2.09		19.0		<1.72		<1.72		2.94		**48.3**		**72.33**
52-46 Mid	10/21/2022	N		<1.74		<1.74		<1.74		<1.74		<1.74		**43.9**		**43.9**
52-46 Post	10/21/2022	N		<1.72		<1.72		<1.72		<1.72		<1.72		<1.72		ND
52-47 Pre	12/21/2022	N	3,990.86	5.6		**47**		<1.6		<1.6		4.1		12	I	**68.7**
52-47 Mid	12/21/2022	N		<1.7		<1.7		<1.7		<1.7		<1.7		3.0		**3**
52-47 Post	12/21/2022	N		<1.8		<1.8		<1.8		<1.8		<1.8		<1.8		ND
52-49 Pre	10/19/2022	N	3,721.61	3.38		**29.1**		<1.73		<1.73		5.14		11.5		**49.12**
52-49 Mid	10/19/2022	N		<1.72		<1.72		<1.72		<1.72		<1.72		**20.7**		**20.7**
52-49 Post	10/19/2022	N		<1.79		<1.79		<1.79		<1.79		<1.79		<1.79		ND
52-49 Post	10/19/2022	FD		<1.8		<1.8		<1.8		<1.8		<1.8		<1.8		ND
52-50 Pre	9/15/2022	N	6,573.88	4.3		33		<1.7		<1.7		4.2		3.0	I	**44.5**
52-50 Mid	9/15/2022	N		<1.6		<1.6		<1.6		<1.6		<1.6		1.1	J	1.1
52-50 Post	9/15/2022	N		<1.7		<1.7		<1.7		<1.7		<1.7		1.2	J	1.2
52-51 Pre	10/19/2022	N	NM	1.82		16.2		<1.76		<1.76		2.96		**185**		**205.98**
52-51 Mid	10/19/2022	N		<1.75		<1.75		<1.75		<1.75		<1.75		8.20		8.2
52-51 Post	10/19/2022	N		<1.77		<1.77		<1.77		<1.77		<1.77		2.63	F	2.63
52-59 Pre	10/20/2022	N	NM	<1.79		12.2		<1.79		<1.79		2.12		2.29		**16.61**
52-59 Mid	10/20/2022	N		<1.76		<1.76		<1.76		<1.76		<1.76		9.82		9.82
52-59 Post	10/20/2022	N		<1.75		<1.75		<1.75		<1.75		<1.75		<1.75		ND
52-61 Pre	10/19/2022	N	11,205.28	9.18		56.6		5.12		<1.78		4.91		**138**		**213.81**
52-61 Mid	10/19/2022	N		<1.78		<1.78		<1.78		<1.78		<1.78		4.86		4.86
52-61 Post	10/19/2022	N		<1.76		<1.76		<1.76		<1.76		<1.76		<1.76		ND
52-65 Pre	9/15/2022	N	3,614.03	2.5		**20**		<1.7		<1.7		2.5		4.9	I	**29.9**
52-65 Mid	9/15/2022	N		<1.6		<1.6		<1.6		<1.6		<1.6		1.4	J	1.4
52-65 Post	9/15/2022	N		<1.6		<1.6		<1.6		<1.6		<1.6		<1.6		ND
52-66 Pre	9/16/2022	N	5,052.20	5.1		**42**		<1.7		<1.7		4.0		13	I	**64.1**
52-66 Mid	9/16/2022	N		<1.6		<1.6		<1.6		<1.6		<1.6		<1.6		ND
52-66 Post	9/16/2022	N		<1.7		<1.7		<1.7		<1.7		<1.7		1.0	J	1
52-67 Pre	10/20/2022	N	6,236.09	**23.5**		**118**		4.07		<1.75		5.22		**139**		**289.79**
52-67 Mid	10/20/2022	N		<1.73		<1.73		<1.73		<1.73		<1.73		13.6		13.6
52-67 Post	10/20/2022	N		<1.74		<1.74		<1.74		<1.74		<1.74		<1.74		ND
52-70 Pre	10/21/2022	N	13,821.55	5.44		**25.8**		<1.76		<1.76		2.16		11.2		**44.6**
52-70 Mid	10/21/2022	N		<1.73		<1.73		<1.73		<1.73		<1.73		**25.8**		**25.8**
52-70 Post	10/21/2022	N		<1.81		<1.81		<1.81		<1.81		<1.81		<1.81		ND
52-71 Pre	10/21/2022	N	4,525.19	4.87		**20.1**		<1.77		<1.77		<1.77		3.39	F	**28.36**
52-71 Mid	10/21/2022	N		<1.77		<1.77		<1.77		<1.77		<1.77		<1.77		ND
52-71 Post	10/21/2022	N		<1.76		<1.76		<1.76		<1.76		<1.76		5.96		5.96
52-74 Pre	12/21/2022	N	4,361.47	**28**		**130**		3.2		<1.6		6.5		**68**		**235.7**
52-74 Mid	12/21/2022	N		<1.6		<1.6		<1.6		<1.6		<1.6		8.9		8.9
52-74 Post	12/21/2022	N		<1.7		<1.7		<1.7		<1.7		<1.7		<1.7		ND

Table 3
Summary of POET Analytical Results
North Monmouth PFAS Site
North Monmouth, Maine

Sample Location	Sample Date	Sample Type	Total Flow (gallons)	Perfluoroheptanoic Acid (PFHpA)		Perfluorooctanoic Acid (PFOA)		Perfluorononanoic Acid (PFNA)		Perfluorodecanoic Acid (PFDA)		Perfluorohexanesulfonic Acid (PFHxS)		Perfluorooctanesulfonic Acid (PFOS)		Total PFOA + PFOS + PFHpA + PFNA + PFDA + PFHxS	
Maine Interim Level				20		20		20		20		20		20		20	
52-77 Pre	12/20/2022	N	248.75	1.9		9.6		<1.7		<1.7		<1.7		3.1	I	14.6	
52-77 Mid	12/20/2022	N		<1.7		<1.7		<1.7		<1.7		<1.7		4.8		4.8	
52-77 Post	12/20/2022	N		3.6		6.2		<1.7		<1.7		<1.7		**33**		**42.8**	
52-77 Pre	1/19/2023	N	250.07	3.1		15		<1.6		<1.6		1.7		3.1	I	**22.9**	
52-77 Mid	1/19/2023	N		<1.7		<1.7		<1.7		<1.7		<1.7		<1.7		ND	
52-77 Post	1/19/2023	N		<1.6		<1.6		<1.6		<1.6		<1.6		<1.6		ND	
52-78 Pre	11/30/2022	N	7,210.01	3.4		17		<1.7		<1.7		<1.7		6.4		**26.8**	
52-78 Mid	11/30/2022	N		<1.8		<1.8		<1.8		<1.8		<1.8		5.7		5.7	
52-78 Post	11/30/2022	N		<1.8		<1.8		<1.8		<1.8		<1.8		<1.8		ND	
52-78 Post	11/30/2022	FD		<1.7		<1.7		<1.7		<1.7		<1.7		<1.7		ND	
52-79 Pre	11/30/2022	N	756.41	**21**		**130**		<1.7		<1.7		7.8		**66**		**224.8**	
52-79 Mid	11/30/2022	N		<1.6		<1.6		<1.6		<1.6		<1.6		5.5		5.5	
52-79 Post	11/30/2022	N		<1.7		<1.7		<1.7		<1.7		<1.7		<1.7		ND	

Notes:

1. Concentrations are presented in nanograms per liter (ng/L) which are equivalent to parts per trillion (ppt).

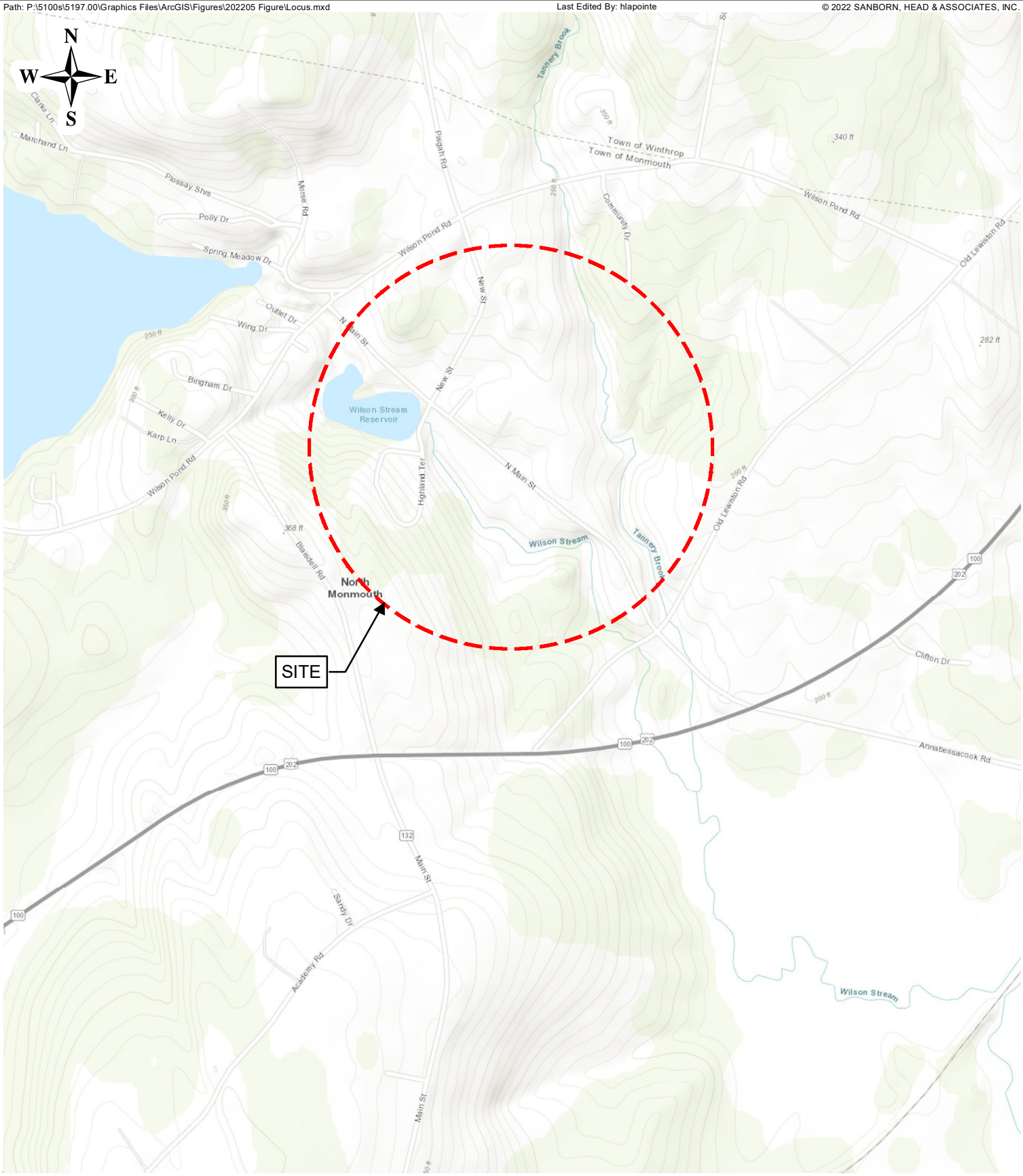
2. "FD" indicates a field duplicate sample was collected and analyzed.
   "N" indicates normal parent sample collected and analyzed.
   "ND" indicated non-detect.
   "NM" indicates not measured.

3. "<" indicates the analyte was not detected above the indicated laboratory reporting limit (RL).
   "F" and "I" indicates the result is an estimated maximum possible concentration.
   "J" indicates the result is less than the laboratory RL but greater than or equal to the laborary method detection limit. The concentration is an approximate value.

4. "Maine Interim Level" refers to the State of Maine drinking water standard for PFAS for the individually or combined sum of six different PFAS compounds of 20 ng/L: PFOA, PFOS, PFHpA, PFNA, PFDA, and PFHxS.

5. **Bold** values exceed the Maine Interim Level.

Figures



Drawn By: H. LaPointe
Designed By: A. Buchy
Reviewed By: R. Abell
Project No: 5197.01
Date: July 2022

500 250 0 500 1,000 Feet

SANBORN HEAD

Figure 1

Locus Plan

North Monmouth PFAS Site
North Monmouth, Maine

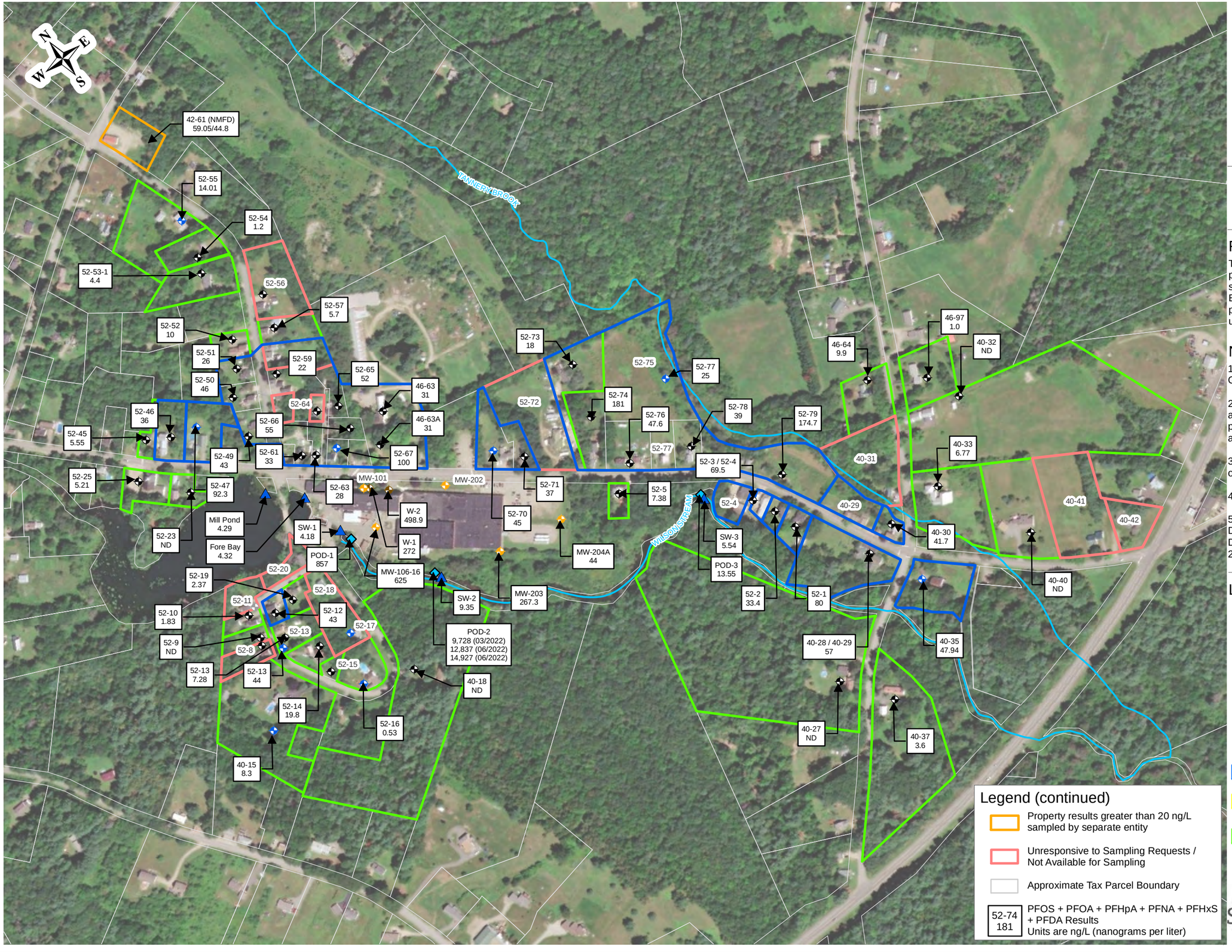


Figure 2

PFAS Results and Additional Sampling Locations

North Monmouth PFAS Site

North Monmouth, Maine

Drawn By:	H. LaPointe
Designed By:	A. Buchy
Reviewed By:	R. Abell
Project No:	5197.01
Date:	February 2023

Figure Narrative

This figure depicts the twenty-seven (27) properties whose drinking water wells have been sampled for the presence of PFAS by Wood Environmental, together with the thirty-nine (39) properties either sampled (27) or unresponsive/unavailable for sampling (12).

Notes

1. Aerial Image Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community.

2. Locations georeferenced from "PFAS Results and Proposed Additional Sampling Locations" prepared by WOOD and should be considered approximate.

3. Data values displayed are for parent samples only, field duplicate data are not displayed.

4. ND = Non-detect

5. Property 42-61 (North Monmouth Fire Department) sampled by North Monmouth Fire Department in Feb 2022 and MEDEP in March 2022.

Legend

- Drilled Well
- Dug Well
- Driven Point Well
- Monitoring Well
- Extraction Well
- Pore Water
- Surface Water
- Areas to Provide Bottled Water
- Planned Additional Residential Well Sampling Locations
- Residential Well Sampling Locations below 20 ng/L

175 87.5 0 175 350 Feet

Legend (continued)

- Property results greater than 20 ng/L sampled by separate entity
- Unresponsive to Sampling Requests / Not Available for Sampling
- Approximate Tax Parcel Boundary
- 52-74 / 181 — PFOS + PFOA + PFHpA + PFNA + PFHxS + PFDA Results. Units are ng/L (nanograms per liter)

SANBORN HEAD

Figure 3

PFAS Delineation Above Maine Interim Standard

North Monmouth PFAS Site

North Monmouth, Maine

Drawn By:	H. LaPointe
Designed By:	A. Buchy
Reviewed By:	R. Abell
Project No:	5197.01
Date:	February 2023

Figure Narrative

This figure depicts the twenty-seven (27) properties whose drinking water wells have been sampled for the presence of PFAS by Wood Environmental, together with the thirty-nine (39) properties either sampled (27) or unresponsive/unavailable for sampling (12).

Notes

1. Aerial Image Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community.

2. Locations georeferenced from "PFAS Results and Proposed Additional Sampling Locations" prepared by WOOD and should be considered approximate.

3. Property 42-61 (North Monmouth Fire Department) sampled by North Monmouth Fire Department in Feb 2022 and MEDEP in March 2022.

4. A POET system has been offered to property 52-76 based on analytical results received from January 2023 sampling.

Legend

- Drilled Well
- Dug Well
- Driven Point Well
- Forested / underdeveloped land, unlikely to contain DW source
- Undeveloped, information indicating no drinking water source on Site
- Areas to Provide Bottled Water
- Planned Additional Residential Well Sampling Locations
- Residential Property Sampling Locations below 20 ng/L

175 87.5 0 175 350 Feet

Legend (continued)

- Residential Well Sampling Locations above 20 ng/L
- Residential Property with Installed POET System
- Property results greater than 20 ng/L sampled by separate entity
- Unresponsive to Sampling Requests / Not Available for Sampling
- Approximate Tax Parcel Boundary

SANBORN HEAD