



The State of New Hampshire
Department of Environmental Services

Robert R. Scott, Commissioner



NHDES FIELD INSPECTION REPORT

Watershed Management Bureau, Water Division

- **FILE NUMBER:** EMD #4452
- **INSPECTION DATE:** July 9th and 22nd, 2026
- **OWNER NAME:** Leslie/Brian Williams
- **SITE LOCATION:** North Rd, Temple NH, Tax Map #9, Lot #12 and adjacent lots
- **NHDES INSPECTION PERSONNEL:** Robert Livingston
- **OTHER PARTIES IN ATTENDANCE:**
- **INSPECTION TYPE:** Water Quality Monitoring
- **IMPACTED RESOURCE:** ☐ Lake/Pond ☒ River/Stream
- **ATTACHMENTS:** ☒ Color Photographs ☒ Aerial Photographs ☒ Site Sketch ☒ Other
- **WEATHER CONDITIONS:** Sunny/cloudy and passing thunderstorm, storm duration 15 minutes of heavy rain fall.

PURPOSE: The purpose of the site inspection was in response to a complaint of a timber harvest landing area along North Rd contributing siltation and turbidity to Mill Brook including the runoff being a possible source of arsenic and lead with the potential source being a historic apple orchard using an insecticide containing arsenic and lead.

BACKGROUND: Initial complaint came in reporting logging activities created a sediment discharge which entered Mill Brook. A secondary complaint came in with private water samples indicating a possible source of arsenic and lead in the roadside runoff that leads to Mill Brook. On 7/22/26 the first available runoff event occurred, and the roadside runoff was sampled for turbidity, arsenic and lead.

NOTES / OBSERVATIONS:

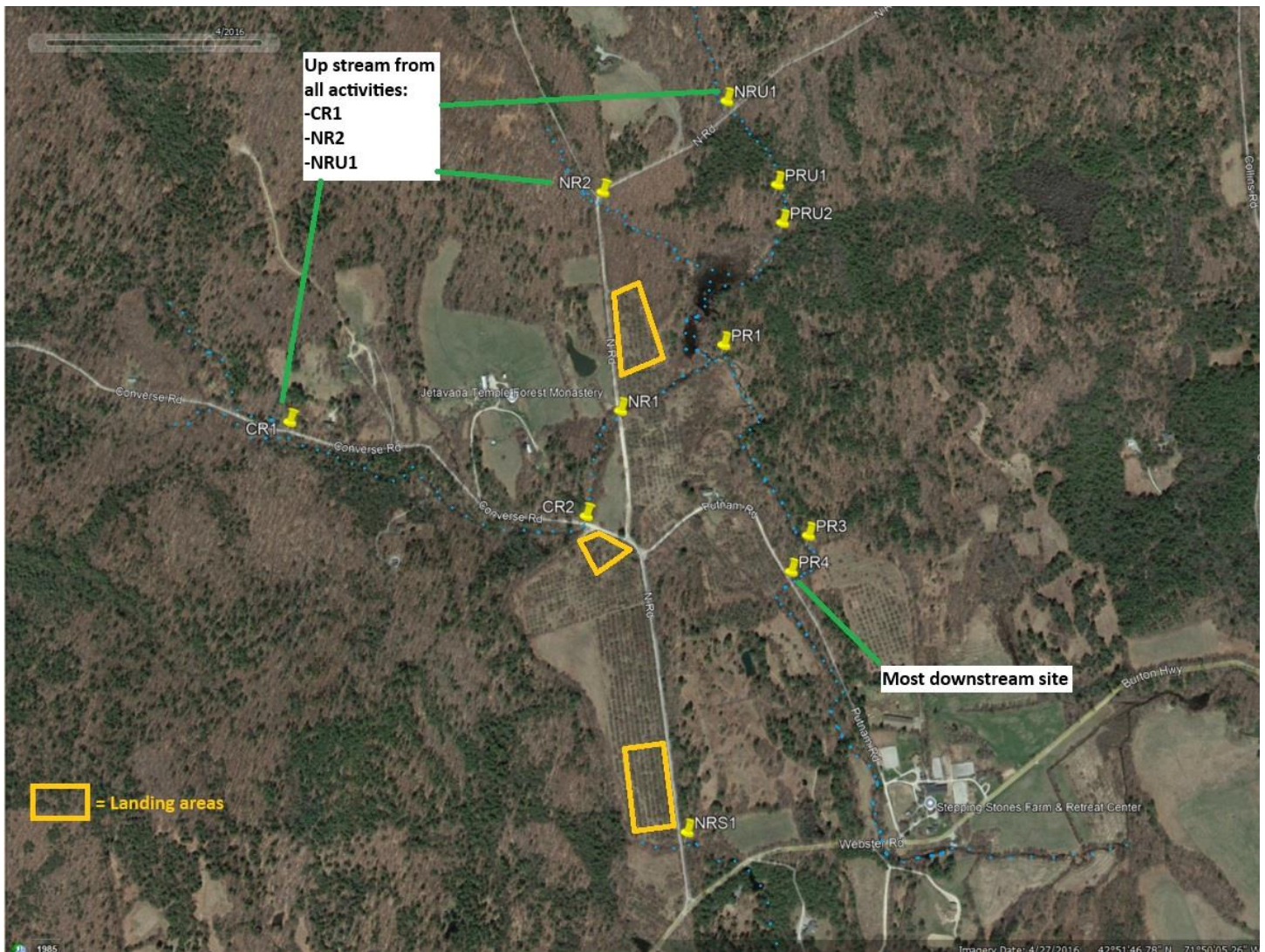
1. On 7/9/2026 NHDES sampled 7 sites in dry weather conditions for arsenic, lead and turbidity, all but one site was at normal background levels for rivers and streams.
2. On 7/22/2026 NHDES sampled 13 sites, 11 sites dry weather conditions and 2 sites in a wet weather during a short duration thunderstorm.
3. During the short duration rainstorm (15 Minutes) moderate runoff came down North Rd roadside ditch and discharged into Mill Brook. The runoff emanated from the logging landing area on North Rd and North Rd itself.
4. NHDES sampled the direct roadside runoff at the top of bank of Mill brook and in Mill brook where the mixing zone of the roadside runoff and stream converged. Both samples exceeded water quality samples for Arsenic, Lead and Turbidity.
 - a. Site NR1B Arsenic=0.0888 mg/L (88.8ppb). Lead=0.2501 mg/L (250.1ppb). Turbidity=Exceeded metering.
 - b. Site NR1C Arsenic=0.0808 mg/L (80.8ppb). Lead=0.2149 mg/L (214.9ppb). Turbidity=Exceeded metering.

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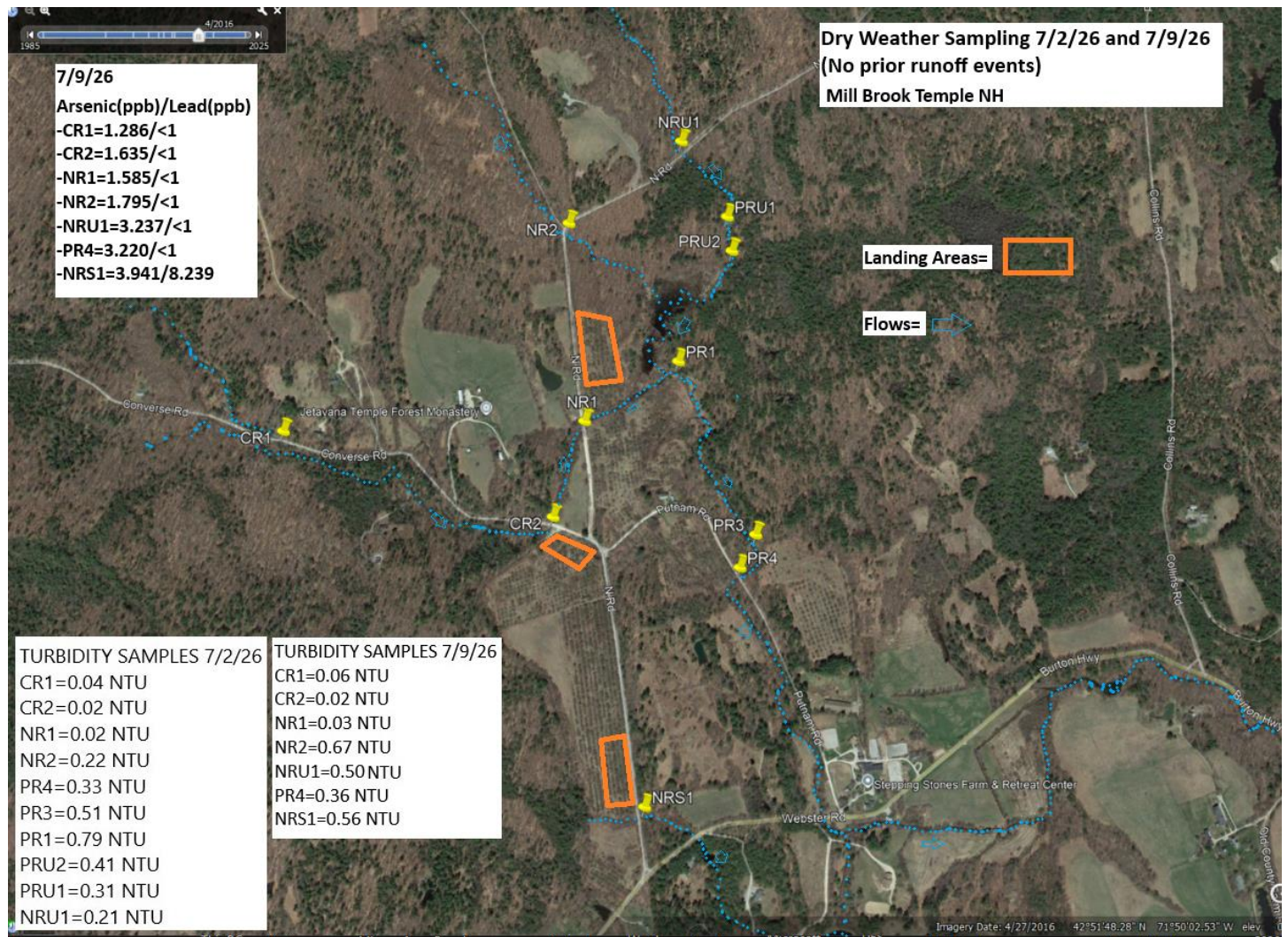
29 Hazen Drive • PO Box 95 • Concord, NH 03302-0095
(603) 271-3503 • Fax: (603) 271-2867 • TDD Access: Relay NH 1-800-735-2964

5. Photo documentation was taken of the storm runoff along North Rd and the turbidity plume entering the brook.
6. Photo Documentation of all samples site locations where taken.
7. NHDES observed North Rd being covered with landing area sediment and mud from truck traffic leaving the sites, Photo documentation was taken.

AERIAL PHOTOS/SAMPLE LOCATION MAPS:

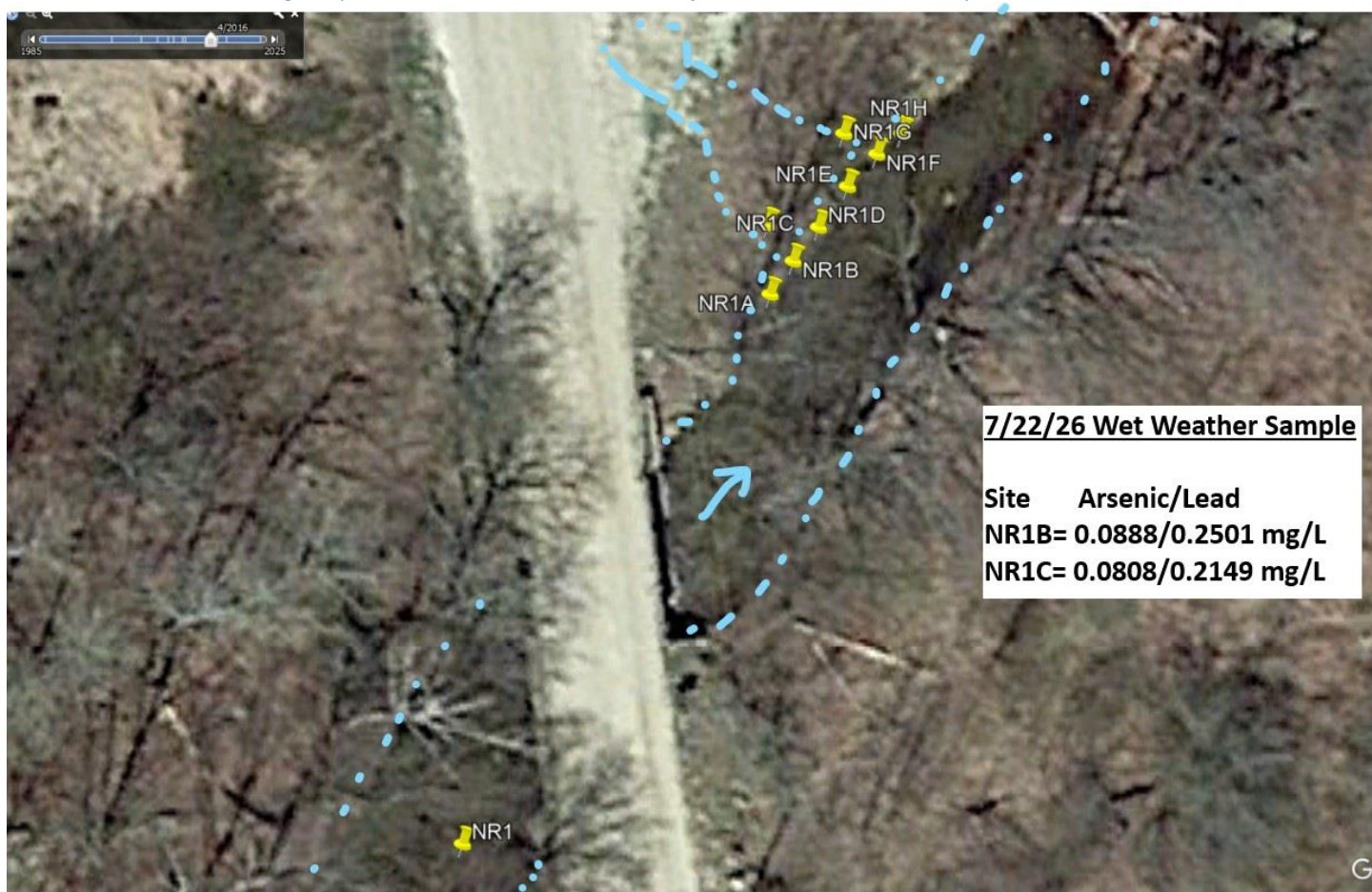


Landing Areas and sample sites



Dry Weather Sample Sites and resample results

North Road Mill Brook Crossing Samples sites and wet weather lab results for Arsenic, Lead and Turbidity

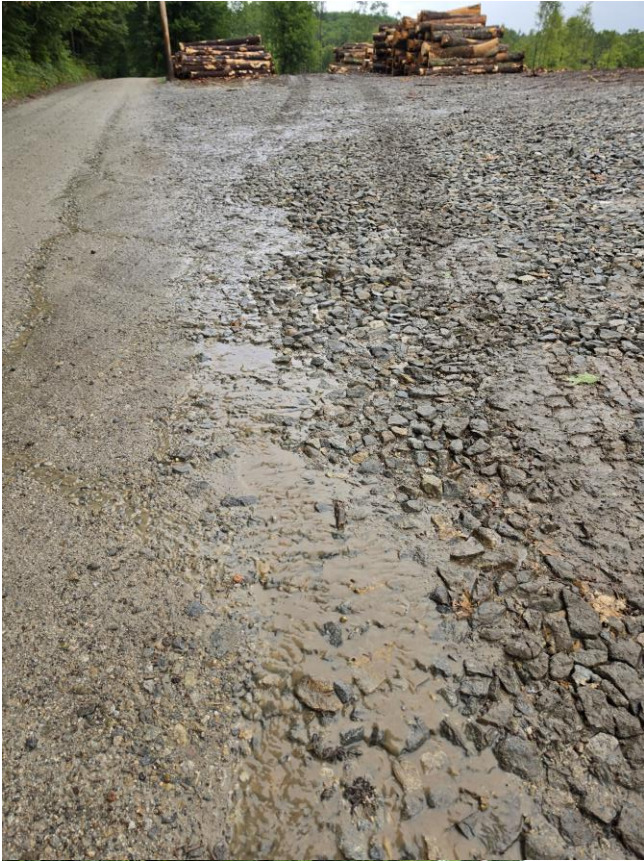


PHOTOGRAPHS:

Photos: (7/22/26) Taken in series starting at the Mill Brook bridge looking and moving up North Rd towards the northernmost landing area during a runoff storm event.







Photos: (7/22/26) Taken of the Converse Rd landing area.



Photos: (7/22/26) Taken of the newer southern landing area on North Rd, south of Putnam Rd intersection.



Photos: (7/22/26) Taken adjacent to the newest landing area (south of Putnam Rd) showing mud and silt deposits from truck traffic coming off the landing area. A small wetland and culvert crossing is located at arrow. Culvert Site #NRS1



Photo: (7/22/26 rain event) Turbidity entering Mill brook taken 60 feet downstream from North Rd bridge crossing Mill Brook. At sites NR1A thru NR1H. Turbidity source is North Rd roadside drainage swale, coming from the logging landing area and the gravel road.



Lab Results: Sites sampled 7/9/26



Department of
**HEALTH &
HUMAN SERVICES**

Division of
Public Health

New Hampshire Public Health Laboratories
Department of Health and Human Services
29 Hazen Dr., Concord NH 03301
Phone (603) 271-3445

Workorder: COMPLAIN (C604807)

Project ID: 05-0022560 - NON-POINT SOURCE

Analytical Results

Lab ID: C604807001	Date Collected: 07/09/2026 09:55				Matrix: WATER			
Sample ID: CR1	Date Received: 07/09/2026 13:27				Description:			
Parameter	Results	Units	LOQ	DF	Prepared	Analyzed	Limit	Qual
METALS (EPA 200.8)								
Arsenic	0.0013	mg/L	0.0010	1		07/16/2026 10:53	.005	*
Lead	ND	mg/L	0.0010	1		07/16/2026 10:53	.015	
Lab ID: C604807002	Date Collected: 07/09/2026 10:08				Matrix: WATER			
Sample ID: CR2	Date Received: 07/09/2026 13:27				Description:			
Parameter	Results	Units	LOQ	DF	Prepared	Analyzed	Limit	Qual
METALS (EPA 200.8)								
Arsenic	0.0016	mg/L	0.0010	1		07/16/2026 10:56	.005	*
Lead	ND	mg/L	0.0010	1		07/16/2026 10:56	.015	
Lab ID: C604807003	Date Collected: 07/09/2026 10:18				Matrix: WATER			
Sample ID: NR1	Date Received: 07/09/2026 13:27				Description:			
Parameter	Results	Units	LOQ	DF	Prepared	Analyzed	Limit	Qual
METALS (EPA 200.8)								
Arsenic	0.0016	mg/L	0.0010	1		07/16/2026 11:00	.005	*
Lead	ND	mg/L	0.0010	1		07/16/2026 11:00	.015	
Lab ID: C604807004	Date Collected: 07/09/2026 10:31				Matrix: WATER			
Sample ID: NR2	Date Received: 07/09/2026 13:27				Description:			
Parameter	Results	Units	LOQ	DF	Prepared	Analyzed	Limit	Qual
METALS (EPA 200.8) Preparation Method: (EPA 200.2)								
Arsenic	0.0018	mg/L	0.0010	1	07/15/2026 09:40	07/16/2026 11:03	.005	
Lead	ND	mg/L	0.0010	1	07/15/2026 09:40	07/16/2026 11:03	.015	
Lab ID: C604807005	Date Collected: 07/09/2026 10:41				Matrix: WATER			
Sample ID: NRU1	Date Received: 07/09/2026 13:27				Description:			
Parameter	Results	Units	LOQ	DF	Prepared	Analyzed	Limit	Qual
METALS (EPA 200.8) Preparation Method: (EPA 200.2)								
Arsenic	0.0032	mg/L	0.0010	1	07/15/2026 09:40	07/16/2026 11:07	.005	
Lead	ND	mg/L	0.0010	1	07/15/2026 09:40	07/16/2026 11:07	.015	
Lab ID: C604807006	Date Collected: 07/09/2026 10:56				Matrix: WATER			
Sample ID: PR4	Date Received: 07/09/2026 13:27				Description:			
Parameter	Results	Units	LOQ	DF	Prepared	Analyzed	Limit	Qual
METALS (EPA 200.8)								
Arsenic	0.0032	mg/L	0.0010	1		07/16/2026 11:10	.005	*
Lead	ND	mg/L	0.0010	1		07/16/2026 11:10	.015	
Lab ID: C604807007	Date Collected: 07/09/2026 11:15				Matrix: WATER			
Sample ID: NRS1	Date Received: 07/09/2026 13:27				Description:			
Parameter	Results	Units	LOQ	DF	Prepared	Analyzed	Limit	Qual

FINAL REPORT OF LABORATORY ANALYSIS

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Lab Results: Sites sampled 7/22/26



Department of
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Department of Health and Human Services
29 Hazen Dr., Concord NH 03301
Phone (603) 271-3445

Workorder: COMPLAIN (C605315)

Project ID: 05-0022560 - NON-POINT SOURCE

Analytical Results

METALS (EPA 200.8)		Preparation Method: (EPA 200.2)						
Arsenic	0.0018	mg/L	0.0010	1	07/23/2026 10:10	07/27/2026 10:57	.005	
Lead	ND	mg/L	0.0010	1	07/23/2026 10:10	07/27/2026 10:57	.015	

Lab ID: C605315008 Date Collected: 07/22/2026 10:55 Matrix: WATER
Sample ID: NR1A Date Received: 07/22/2026 14:59 Description:
Parameter Results Units LOQ DF Prepared Analyzed Limit Qual

METALS (EPA 200.8)		Preparation Method: (EPA 200.2)						
Arsenic	0.0019	mg/L	0.0010	1	07/23/2026 10:10	07/27/2026 11:01	.005	
Lead	ND	mg/L	0.0010	1	07/23/2026 10:10	07/27/2026 11:01	.015	

Lab ID: C605315009 Date Collected: 07/22/2026 10:58 Matrix: WATER
Sample ID: NR1B Date Received: 07/22/2026 14:59 Description:
Parameter Results Units LOQ DF Prepared Analyzed Limit Qual

METALS (EPA 200.8)		Preparation Method: (EPA 200.2)						
Arsenic	0.0888	mg/L	0.0010	1	07/23/2026 10:10	07/27/2026 11:04	.005	
Lead	0.2501	mg/L	0.0010	1	07/23/2026 10:10	07/27/2026 11:04	.015	

Lab ID: C605315010 Date Collected: 07/22/2026 10:59 Matrix: WATER
Sample ID: NR1C Date Received: 07/22/2026 14:59 Description:
Parameter Results Units LOQ DF Prepared Analyzed Limit Qual

METALS (EPA 200.8)		Preparation Method: (EPA 200.2)						
Arsenic	0.0808	mg/L	0.0010	1	07/23/2026 10:10	07/27/2026 11:08	.005	
Lead	0.2149	mg/L	0.0010	1	07/23/2026 10:10	07/27/2026 11:08	.015	

Lab ID: C605315011 Date Collected: 07/22/2026 12:29 Matrix: WATER
Sample ID: PR4 Date Received: 07/22/2026 14:59 Description:
Parameter Results Units LOQ DF Prepared Analyzed Limit Qual

METALS (EPA 200.8)		Preparation Method: (EPA 200.2)						
Arsenic	0.0030	mg/L	0.0010	1	07/23/2026 10:10	07/27/2026 11:29	.005	
Lead	ND	mg/L	0.0010	1	07/23/2026 10:10	07/27/2026 11:29	.015	

Lab ID: C605315012 Date Collected: 07/22/2026 12:40 Matrix: WATER
Sample ID: NRP1 Date Received: 07/22/2026 14:59 Description:
Parameter Results Units LOQ DF Prepared Analyzed Limit Qual

METALS (EPA 200.8)		Preparation Method: (EPA 200.2)						
Arsenic	0.0140	mg/L	0.0010	1	07/23/2026 10:10	07/27/2026 11:32	.005	
Lead	0.0055	mg/L	0.0010	1	07/23/2026 10:10	07/27/2026 11:32	.015	

Lab ID: C605315013 Date Collected: 07/22/2026 12:54 Matrix: WATER
Sample ID: NRS1 Date Received: 07/22/2026 14:59 Description:
Parameter Results Units LOQ DF Prepared Analyzed Limit Qual

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