

Kristen Graham (adpce.ad)

From: Rogers Coe <rogerscoe@westmemphisattorney.com>
Sent: Friday, May 19, 2023 3:10 PM
To: rebecca.davis@arkansas.gov
Cc: SSOADEQ
Subject: Sewer Contamination - Lakeshore Estates
Attachments: photo.pdf; Plumber Invoice.jpg; Lakeshore AR - Water Sampling Report.pdf

I represent Lakeshore Place, LLC that owns approximately 150 lots with mobile homes on them in a private development called Lakeshore Estates that originated in the 1960s. It consists of 300 – 500 lots with mobile homes in Crittenden County, Arkansas between West Memphis and Marion. Water and sewer is provided by W. L. Johnson Co., Inc. dba Lakeshore Water Association. This company is successor of developer that reserved the right to provide water and sewer to this mobile home park and originally installed water and sewer system and has supposedly operated and maintained since.

I am enclosing water study performed by Atoka, Inc. at Lakeshore Place's request that shows E.coli concentration above acceptable levels on four corners of lake. Lakeshore Place, LLC purchased some lots recently from a previous owner. Previous owner advises Lakeshore Place property manager that manager of Lakeshore Water Assoc., Joel Burgos, refused to repair main underground sewer line break because contends previous owner damaged the main line hooking up a mobile home connection. Lakeshore Place had a plumber, Jermaine Ray, examine the line and he has determined the break is in the main sewer line 7 feet below the surface and it was not caused by hooking up mobile home to line. I'm enclosing his invoice noting main sewer line broken 7 feet below ground. I'm also enclosing photograph Lakeshore Place property manager took showing plumber helper standing marking location of ruptured main line, and a surface hose running between two manholes that are part of sewer system because sewer lines of lot's owner are backing up. This line installed by Burgos.

Lake is a common property of the mobile home development that is used by residents for fishing and they eat the fish. Sewer line break is 10 – 15 feet from lake near where sample with highest concentration of E.coli found. Please contact me immediately upon receipt as to what your department can do to compel the water association to fix the main sewer line. Per our conversation, I am copying ADEQ enforcement on this email. Address of location is 92 Westwood Drive, Marion, Arkansas in Lakeshore Estates, located immediately north of West Memphis, west of I-55 which runs between West Memphis and Marion. I will be leaving town for weekend on previous engagement but my number is 870-636-9402. Best contact is Carrie Edwards, property manager for Lakeshore Place. Her number is 901-643-0125.

Joe M. Rogers
Rogers & Coe, Attorneys
123 West Broadway, Ste. A
P.O. Box 1666
West Memphis, AR 72301
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rogerscoe@westmemphisattorney.com

April 21, 2023

Lakeshore Place

Subject: Water sampling for potential fecal contamination at the pond owned by Lakeshore Place in Marion, Arkansas.

The following report presents the findings of the water sampling for potential fecal contamination at the pond owned by Lakeshore Place and located on Lakeshore Dr. in Marion, AR 72364.

Field Investigation and Sample Collection

The water sampling proposal called for the collection of 4 water samples. Mr. Fredrik Osborn (ATOKA, Inc.) collected 4 water samples from the pond on April 13, 2023, from the locations presented on the water samples location map presented in Attachment 1. All 4 samples were collected to assess for Total Coliform and E. Coli in the water and were sent to the lab for testing. Sample 1 was collected on the southwest side of the pond, Sample 2 was collected on the southeast side of the pond, Sample 3 was collected on the west side of the pond, and Sample 4 was collected on the northeast side of the pond.

The water samples were analyzed by Arkansas Analytical, Inc., an Arkansas Certified laboratory located in Little Rock, Arkansas. The laboratory reports for the water are presented in Attachment 2. The analytical results for Total Coliform and E. Coli are summarized in Table 1.

Water Investigation Results

The water analysis in Sample 1 was Too Numerous to Count (TNTC) for E. Coli because the sample results were greater than detection limit of 2420 MPN/100 mL. The Total Coliform for Sample 1 was 400 CFU/100 ml. Samples 2, 3, and 4 all had similar E. Coli results of 21, 23, and 20 MPN/100 mL, respectively. The Total Coliform results for Sample 2 were <100 CFU/100 ml and 240 CFU/100 ml for Samples 3 and 4.

Based on the results of the water analyses, the highest concentrations of E. Coli and Total Coliform are present in the southwest corner of the pond near Sample 1.

If you have any questions or comments concerning this Water Quality Assessment, or require additional information, please contact us by phone at (501) 623-1121 or by email at wmacphee@atokainc.com and fosborn@atokainc.com.



Walter J. MacPhee

Arkansas Professional Geologist #2096 and Environmental Professional #480

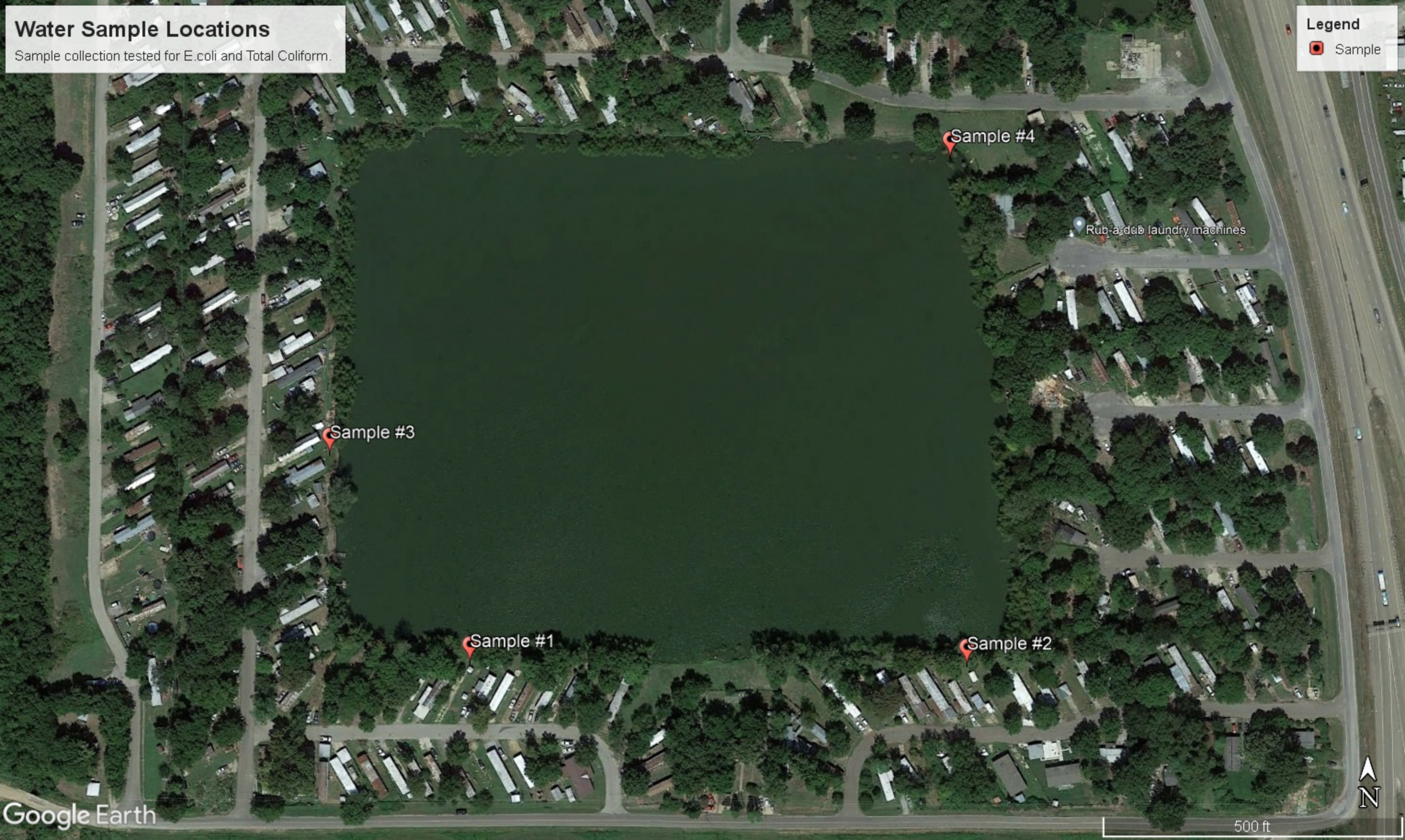
Attachment 1 – Water Samples Locations Map

Water Sample Locations

Sample collection tested for E.coli and Total Coliform.

Legend

- Sample



Sample #3

Sample #1

Sample #4

Sample #2

Rub-a-dub laundry machines



Attachment 2 – Analytical Results from Water Samples



8100 National Dr. - Little Rock, AR 72209
501-455-3233 Fax 501-455-6118

20 April 2023

Walt MacPhee
ATOKA - Hot Springs
554 Mid-America Blvd.
Hot Springs, AR 71913

Project: Sample(s)
Project Number: April 2023
SDG Number: 2304365

Enclosed are the results of analyses for samples received by the laboratory on 13-Apr-23 14:27. If you have any questions concerning this report, please feel free to contact me.

Sample Receipt Information:

<u>Custody Seals</u>	✓
<u>Containers Correct</u>	✓
<u>COC/Labels Agree</u>	✓
<u>Received On Ice</u>	✓
Temperature on Receipt	14.0°C

Sincerely,

A handwritten signature in blue ink that reads "Norma James".

Norma James
Technical Director

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20 April 2023

Walt MacPhee
ATOKA - Hot Springs
554 Mid-America Blvd.
Hot Springs, AR 71913
Project: Sample(s)
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Date Received: 13-Apr-23 14:27



CASE NARRATIVE

Sample Delivery Group – 2304365

One OR more of the qualifiers described below may appear in this report. Qualifiers in RED apply to this SDG (Sample Delivery Group).

FECAL COLIFORM QUALIFIERS:

<u>Qualifier</u>	<u>Description</u>
FC	The sample result is actually GREATER THAN the 2420 MPN/100 mL. The sample growth exceeded the limit of the procedure.
TNTC	Too Numerous to Count
EX	Result exceeds DAILY MAXIMUM and/or MONTHLY AVERAGE.
Cl-1	Estimated result due to treatment for excessive chlorine.

Walt MacPhee
ATOKA - Hot Springs
554 Mid-America Blvd.
Hot Springs, AR 71913
Project: Sample(s)
Project Number: April 2023
Date Received: 13-Apr-23 14:27

ANALYTICAL RESULTS

Lab Number: 2304365-01
Sample Name: 1
Date/Time Collected: 4/13/23 11:40
Sample Matrix: Water

<u>Wet Chemistry</u>	<u>Units</u>	<u>Result</u>	<u>Qualifier(s)</u>	<u>Date/Time Analyzed</u>	<u>Batch</u>	<u>Method</u>
E. Coli	MPN/100 mL	TNTC	FC, TNTC	4/13/23 15:50	B304380	IDEXX Colilert-18
Total Coliforms	CFU/100 ml	400		4/13/23 15:45	B304418	SM 9222 B-2006

ANALYTICAL RESULTS

Lab Number: 2304365-02
Sample Name: 2
Date/Time Collected: 4/13/23 11:50
Sample Matrix: Water

<u>Wet Chemistry</u>	<u>Units</u>	<u>Result</u>	<u>Qualifier(s)</u>	<u>Date/Time Analyzed</u>	<u>Batch</u>	<u>Method</u>
E. Coli	MPN/100 mL	21		4/13/23 15:50	B304380	IDEXX Colilert-18
Total Coliforms	CFU/100 ml	< 100		4/13/23 15:45	B304418	SM 9222 B-2006

ANALYTICAL RESULTS

Lab Number: 2304365-03
Sample Name: 3
Date/Time Collected: 4/13/23 11:30
Sample Matrix: Water

<u>Wet Chemistry</u>	<u>Units</u>	<u>Result</u>	<u>Qualifier(s)</u>	<u>Date/Time Analyzed</u>	<u>Batch</u>	<u>Method</u>
E. Coli	MPN/100 mL	23		4/13/23 15:50	B304380	IDEXX Colilert-18
Total Coliforms	CFU/100 ml	240		4/13/23 15:45	B304418	SM 9222 B-2006

ANALYTICAL RESULTS

Lab Number: 2304365-04
Sample Name: 4
Date/Time Collected: 4/13/23 11:20
Sample Matrix: Water

<u>Wet Chemistry</u>	<u>Units</u>	<u>Result</u>	<u>Qualifier(s)</u>	<u>Date/Time Analyzed</u>	<u>Batch</u>	<u>Method</u>
E. Coli	MPN/100 mL	20		4/13/23 15:50	B304380	IDEXX Colilert-18
Total Coliforms	CFU/100 ml	240		4/13/23 15:45	B304418	SM 9222 B-2006

20 April 2023



Walt MacPhee
ATOKA - Hot Springs
554 Mid-America Blvd.
Hot Springs, AR 71913
Project: Sample(s)

Project Number: April 2023
Date Received: 13-Apr-23 14:27

QUALITY CONTROL RESULTS

Wet Chemistry -- Batch: B304380 (Water)

Prepared: 13-Apr-23 15:50 By: KJ -- Analyzed: 13-Apr-23 15:50 By: KJ

Analyte	BLK	LCS / LCSD	MS / MSD	Dup	RPD	Qualifiers
E. Coli	<1 MPN/100 mL	NA / NA	NA / NA	TNTC MPN/100 mL	0.00%	FC, TNTC

Wet Chemistry -- Batch: B304418 (Water)

Prepared: 13-Apr-23 15:45 By: KJ -- Analyzed: 20-Apr-23 09:21 By: KJ

Analyte	BLK	LCS / LCSD	MS / MSD	Dup	RPD	Qualifiers
Total Coliforms	<10 CFU/100 ml	NA / NA	NA / NA	TNTC CFU/100 ml	200%	TNTC

QUALIFIER(S)

- *FC: The sample result is actually GREATER THAN 2420 MPN/100mL. The sample growth exceeded the limit of the procedure.
- *TNTC: Too Numerous To Count

All Analysis performed according to EPA approved methodology when available :
SW 846, Revised December, 1996; EPA 600/4-79-020, Revised March, 1983; Standard Methods.
Instrument calibration and quality control samples performed at or above frequency specified in analytical method.

Reviewed by: _____
Norma James
Technical Director

8100 National Dr.
 Little Rock, AR 72209
 PHONE: 501-455-3233
 FAX: 501-455-6118



CHAIN OF CUSTODY RECORD

CLIENT INFORMATION		Project Description		Turnaround Time		Preservation Codes:				
Atoka HS		Reporting Information		1 Day (100%)	2 Day (50%)	1. Cool, 6 Degrees Centigrade	4. Thiosulfate for Dechlorination	5. Hydrochloric Acid(HCl)	6. Sodium Hydroxide (NaOH), pH > 12	
Atoka HS		Telephone:		3 Day (25%)	5 Day (Routine)	2. Sulfuric Acid (H ₂ SO ₄), pH < 2				
Attn: Walt M.		Fax:		TEST PARAMETERS						
Fredrick Osborn		Email: f.osborn@atokainc.com		Preservative Code:		Bottle Type Code				
Fredrick Osborn		Fredrick Osborn		Bottle Type:		G = Glass, P = Plastic				
Sampler(s) Signature		Sampler(s) Printed		Sample Identification/Description		V = Septum, A = Amber				
Field Number	Sample Collection Date/s	Time/s	Grab	Comp	Number of Bottles	Sample Matrix	Arkansas Analytical Work Order Number: 2304305			
1	04/13	11:40	X		2	W*	Total Arsenic			
2	04/13	11:50			1		Total Arsenic			
3	04/13	11:30			1		Total Arsenic			
4	04/13	11:20			1		Total Arsenic			
1. Relinquished by: (Signature)		Date/Time		2. Received by: (Signature)		SAMPLE CONDITION UPON RECEIPT IN LAB				
Fredrick Osborn		04/13 2:27		[Signature]		1. CUSTODY SEALS: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				
3. Relinquished by: (Signature)		Date/Time		4. Received by lab: (Signature)		2. CONTAINERS CORRECT: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				
[Signature]		4/13/23 14:27		[Signature]		3. COC/LABELS AGREE: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				
						4. RECEIVED ON ICE: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>				
						5. TEMPERATURE ON RECEIPT: 14°C				
						6. TEMPERATURE GUN ID: HHT# 5				
						REMARKS / SAMPLE COMMENTS				
						* - component from sewer to high H				
						FOR COMPLETION BY LAB ONLY				

Table 1 – Summary of Analytical Results

Table 1

**Lakeshore Place - Summary of Total E. Coli (MPN/100 mL)
and Total Coliforms (CFU/100 ml) in Water**

Sample Number	E. Coli	Total Coliform
1	TNTC	400
2	21	<100
3	23	240
4	20	240



This is a
How @ me
Plan for
to avoid
to try to solve
sewer back up

This man is
standing when break
is - & measuring depth
of when drain ~~with~~ ^{sewer}
line break is -
7 feet deep.

NAME: Lake Shore
 ADDRESS: Sevincin Ray
 DATE: 5-18-2023
 SOLD BY:
 CASH: C.O.D.: CHARGE: PAID ON ACCT.: MDSE. RET.: PAID OUT:
 No 0624223

QUAN	DESCRIPTION	PRICE	AMOUNT
1	Camera Main line		
2			
3			
4	Coming from new		
5			
6	hole line is Broken down		
7			
8	Sever line is 7 ft Deep		
9			
10			
11	Mark spot where		
12	line is broken down at		
13			
14			
15	901-650-6199		
16			
17			
18			
19			
20			