

Leak Survey Report

New London Springfield Water Precinct

#1721010

August 25th- 28th, 2025

American Leak Detection

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Scope of Work

American Leak Detection (ALD) undertook a leak survey of New London Springfield Water Precinct. The leak survey covered 27 miles and 100% of the distribution system. The following report contains the results of the leak survey.

The techniques used during the leak detection survey (where appropriate) may have included.

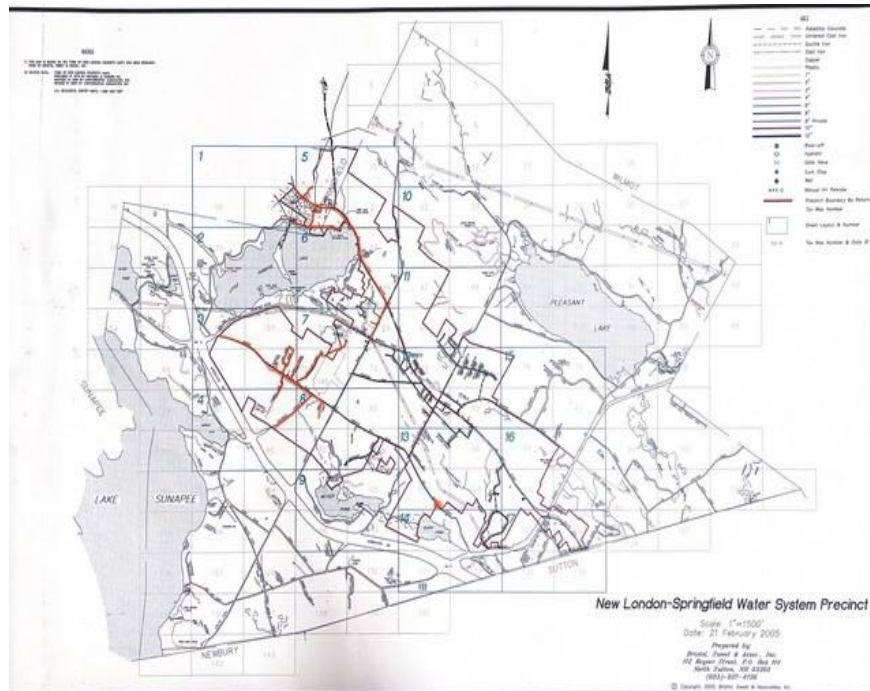
- Leak Noise Correlation
- Open Sounding
- Surface Sounding

The equipment used to perform the work (where appropriate) may have included

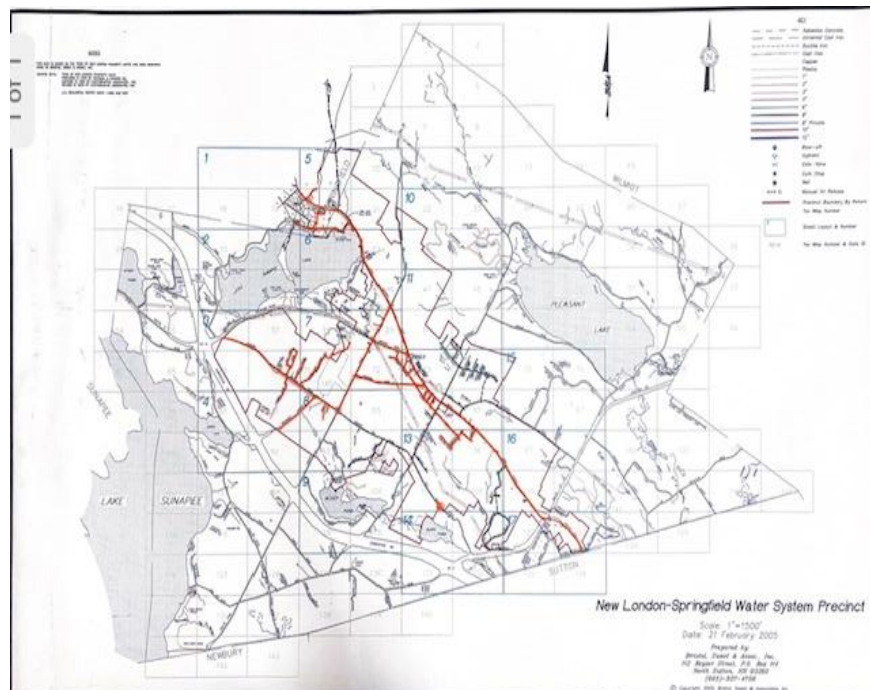
- Leak Noise Correlator using Accelerometers
- Ground Microphone
- Electronic Listening Probe
- Metal Detector
- Pipe Tracer Kit
- Assorted hand tools

More specifically, we complete the following process. FCS L and B Mics are used for listening to all contact points. Once a leak noise is determined, we then use Sewerin or FCS Correlators to run segments in the leak sound area. If correlators indicate a potential leak, we then measure out the location of the leak. An FCS or ALD Ground Mic is used to listen on the surface of the leak area to confirm that the leak correlation and ground mic noise both pick up the leak in the same location. Once confirmed, the leak location is marked on the ground, and we take photos and coordinates. All information is then noted in the individual leak report. All techniques are AWWA-approved for proper survey process.

Survey Map 8/25/2025



Survey Map 8/26/2025



NEW LONDON-Springfield Water System Precinct

Scale: 1"=1500'
 Date: 21 February 2005

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1 5 10 11 12 13 14 15 16

LAKE SUNAPEE

NEWBURY

0 0.5 1.0 1.5 2.0

Leak Summary

Total Leaks Found	Mains Leaks	Service Line Leaks	Hydrant Leaks	Line Valve Leaks	Customer Leaks
2	0	0	0	1	1

Total Leaks Found GPM	Main Line GPM	Service Line GPM	Hydrant GPM	Line Valve GPM	Customer GPM
5.5	0	0	0	0.5	5

Leak Number	X Co-ordinate	Y Co-ordinate	Zip	Address (near)	Severity
Leak 1	43.4136785	-71.9870359	03257	144 Barrett Rd	Moderate
Leak 2	43.4144254	-71.9817087	03257	65 Gould Rd	Minor

Leak Information
Leak 1

Date	8/26/2025
Field Notes	Leak appears to be in the house.
Traffic Considerations	Dual lane
Reinstatement	Grass
Leak	Customer
Address	144 Barrett Rd
Zip	03257
X and Y Co-ordinates	43.4136785,-71.9870359
Water Visible	No
Pipe Material	Copper
Pipe Diameter	1"
Severity	Moderate 5 (GPM)
Recommendation	Repair to be carried out as required



**Leak Information
Leak 2**

Date	8/27/2025
Field Notes	Leak appears to be on fire hydrant valve.
Traffic Considerations	Dual lane
Reinstatement	Grass
Leak	Line valve
Address	65 Gould Rd
Zip	03257
X and Y Co-ordinates	43.4144254, -71.9817087
Water Visible	No
Pipe Material	Ductile
Pipe Diameter	6"
Severity	Minor 0.5 (GPM)
Recommendation	Repair to be carried out as required



Water Loss Summary (Gallons)

Following our recent comprehensive survey of the distribution network at New London Springfield Water Precinct, we would like to draw your attention to the 2 leaks which have been located resulting in the losses shown in the tables below.

Leak Number	Loss Per Minute (Gallons)	Loss Per Day (Gallons)	Loss Per Week (Gallons)	Loss Per Month (30 Days) (Gallons)	Loss Per Year (Gallons)
Leak 1	5	7,200	50,400	216,000	2,628,000
Leak 2	0.5	720	5,040	21,600	262,800

Total Loss Per Minute (Gallons)	Total Loss Per Day (Gallons)	Total Loss Per Week (Gallons)	Total Loss Per Months (30 days) (Gallons)	Total Loss Per Year (Gallons)
5.5	7,920	55,440	237,600	2,890,800

Daily Activity

The following tables summarize the number of fittings that were sounded and the number of miles that were covered during this leak survey.

Date	Fittings Sounded	Mileage
8/25/2025	94	6.5
8/26/2025	189	8.7
8/27/2025	114	9.2
8/28/2025	46	2.6

Total Fittings	Total Mileage
443	27

Technician Notes

Please see the field notes under the "Leak Information" pages for a description of each leak and address them accordingly. If you have any questions, please feel free to reach me by phone or email.

I wanted to take a moment to express my gratitude for the outstanding service provided by the New London Water team.

All services were clearly marked and readily available, which made the process seamless. I also appreciate the fast and timely assistance from the operator; it really made a difference. Additionally, the map provided was accurate and very helpful.

Mike Miller & Mark Pinder

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Thank you for entrusting American Leak Detection to complete this work for you. If you have any questions or concerns related to the work performed or this invoice/report, please don't hesitate to contact our office