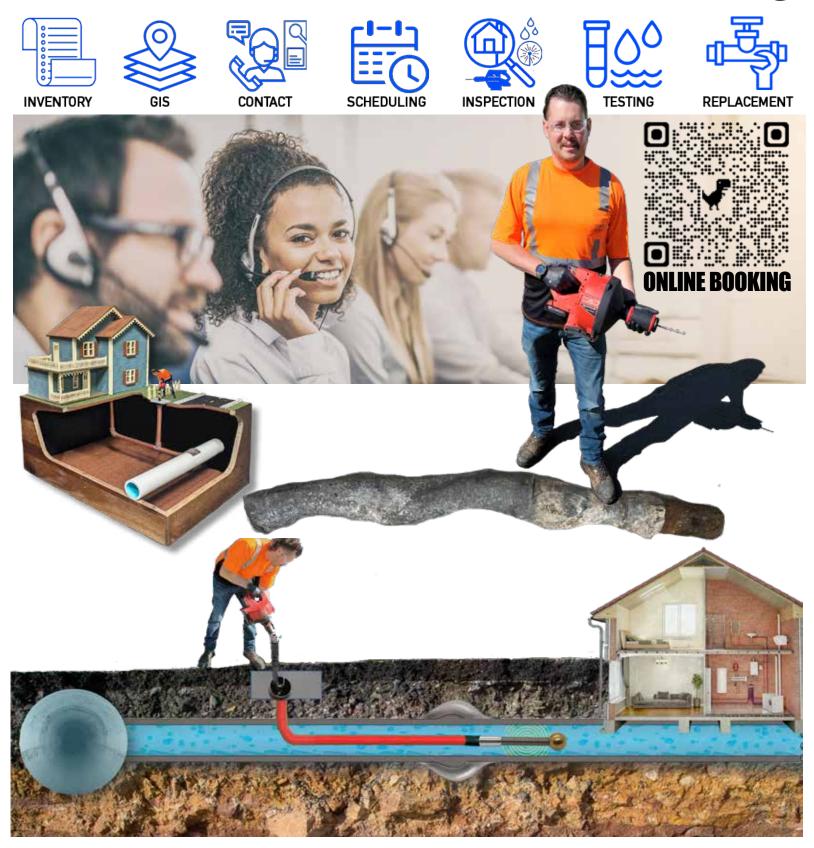
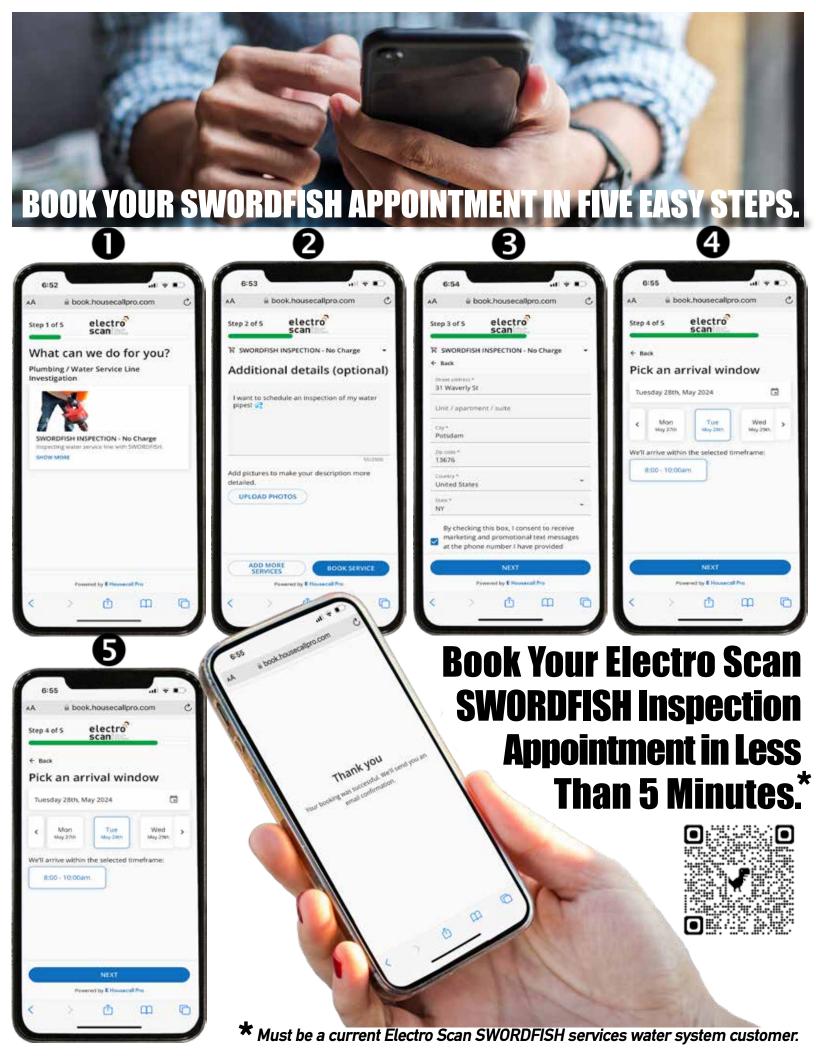
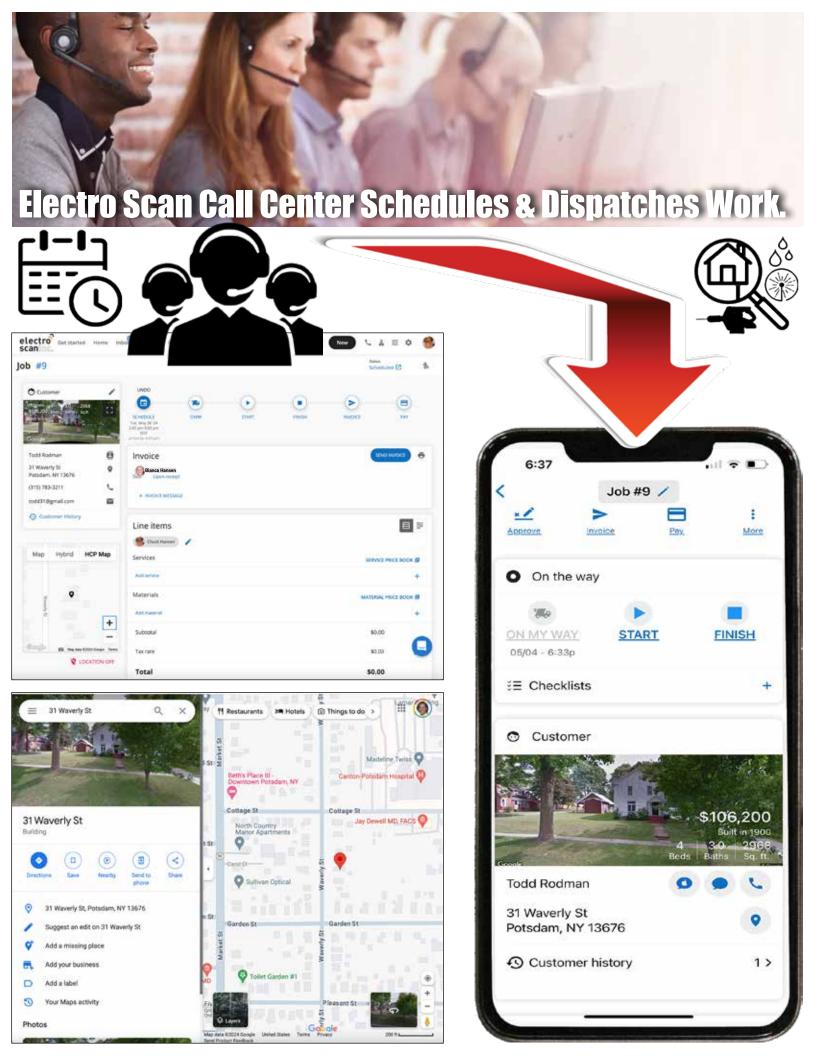


Your One-Stop Shop for Lead Testing







electroscan



Buried Lead Pipe Detection



electroscan



Buried Lead Pipe Detection

KEY FEATURES

- 1. Probe entry.
- 2. Cable feed and retraction.
- 3. Gripping surface.
- 4. Light beam.
- 5. Guard test.
- 6. Grounding reel and stake.
- 7. Electro Scan readings.
- 8. Fully enclosed drum.
- 9. On-Off switches
- 10. Rechargeable batteries.

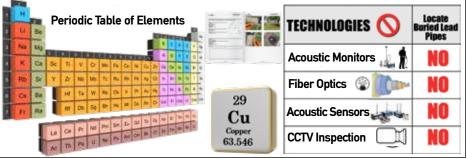




Images shown are representation only. Electro Scan adapted M18 FDCPF8, Milwaukee Electric Tool Corporation ("Milwaukee Tool")

A Breakthrough in Buried Lead Pipe Detection

Electro Scan's SWORDFISH is a breakthrough in accurately & consistently locating buried lead pipes. Using its patented machine-intelligent low-voltage (i.e. non-acoustic, non-electro magnetic) technology, Electro Scan first discovered its ability to locate lead pipes when it was used to assess Asbestos Cement (AC) pipes; finding lead soldered joints used to seal pipe joints. Aided by the major difference in resistivity of pipe materials, Electro Scan developed SWORDFISH to enter pressurized pipes with ½-inch diameters with multiple 90° bends.



SEPA Guidelines Office of Water (4606M) EPA 816-8-22-001 August 2022

Electrical Resistance Testing"





Equipment Sales & Professional Services*

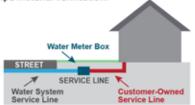


IMPORTANT INFORMATION

The US EPA revised lead and copper rule for drinking water systems requires completion of two key milestones by October 16, 2024. See details about the rule and the status of your Utility's plan.

 Your Water Utility is currently conducting required system inventory. We will identify pipe materials for both the public (utility-owned) and private (customer-owned) portions of water lines in the system.

City Utilities will use a tool that measures electrical conductivity of the pipe at the water meter box to identify pipe material type on both the public and private sides of the meter. This work will require water be turned off temporarily at the meter while crews perform pipe material verification.



2 Once water lines have been identified, your Utility will develop and submit a plan to replace any lines as required by the EPA's revised rule. For more information, please visit:

www.electroscan.com/pipeinventory epa.gov/dwreginfo/lead-and-copper-rule Email questions: info@electroscan.com





INFORMACION IMPORTANTE

La EPA de EE. UU. regla revisada de plomo y cobre para los sistemas de agua potable requiere que la cuidad completa dos hitos importantes antes del 16 de octubre de 2024. Puede revisar los detalles sobre la regla y el estado del plan de servicios públicos de la ciudad.

1 Los servicios de agua de la ciudad actualmente están llevando a cabo el inventario del sistema requerido. Identificaremos los materiales de las tuberías tanto para la parte pública (propiedad de la ciudad) como para la parte privada (propiedad del cliente) de las líneas de agua del sistema.

El departamento de agua de la ciudad podría usar una herramienta que mida la conductividad eléctrica de la tubería en la caja del medidor de agua para identificar el tipo de material de la tubería tanto en el lado público como en el privado del medidor. Este trabajo requerirá que el agua se cierre temporalmente en el medidor mientras el equipo realiza la verificación del material.



2 Una vez que hayan identificado las líneas de agua, el departamento de agua de la ciudad desarrollará y publicará un plan para reemplazar cualquier línea según lo requiera la regla revisada de la EPA. Para obtener más información, visite:

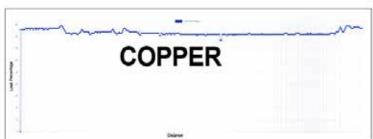
www.electroscan.com/pipeinventory epa.gov/dwreginfo/lead-and-copper-rule Preguntas: info@electroscan.com



SWORDFISH

Single Pipe Materials







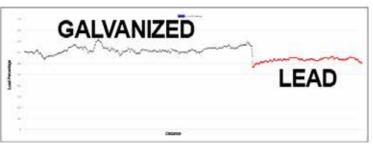


Multiple Pipe Materials









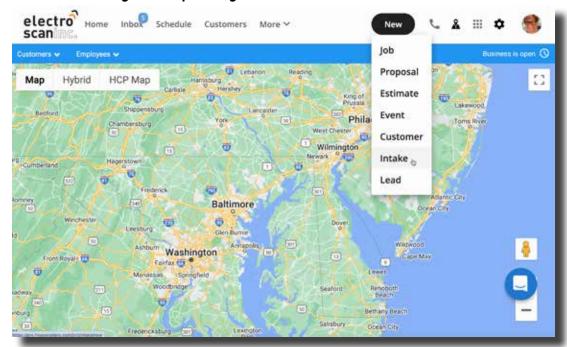








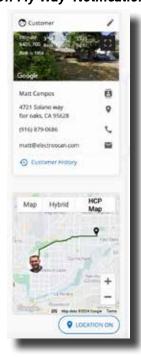
Online Scheduling and Dispatching GIS



Automatic Call Taking



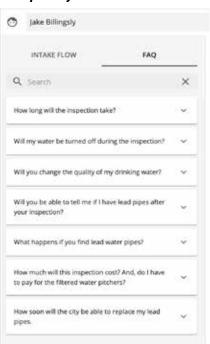
'On My Way' Notification



Customer Signatures

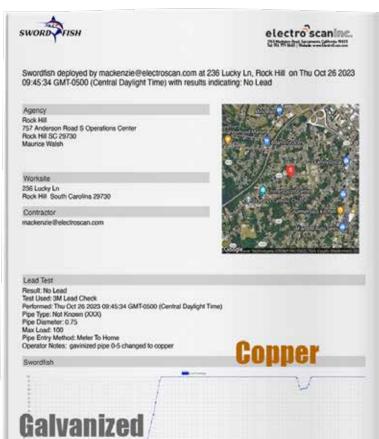


'Frequently Asked Questions



Job Marked as Complete















SWORD

electro scaning.

Swordfish deployed by matt@electroscan.com at Wed Oct 26 2023 12:10:17 GMT-0500 (Central Daylight Time) with results indicating: Lead Detected











electro scaning.



SWORDFISH Training Manual 134-Pages

How to Create, Verify and Validate Your Water Service Line Inventory.



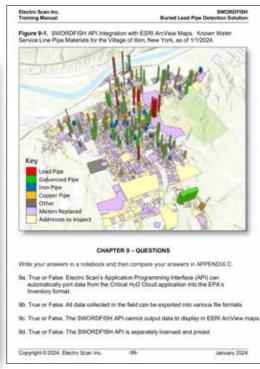
Chapter Tests

Learn from Water Industry Insiders How to Report!

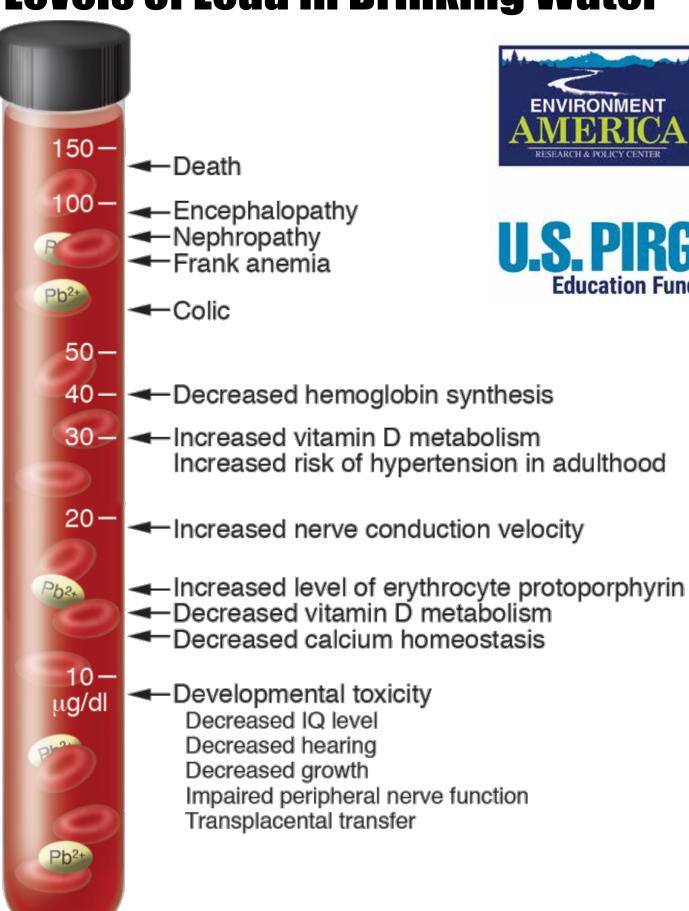


What's Inside?

- Expanded Content
- LCR, LCRR, LCRI
- **Example Scans** Single v. Multiple Pipe Materials.
- **New Chapter on API**
- **New Chapter on FAQs**

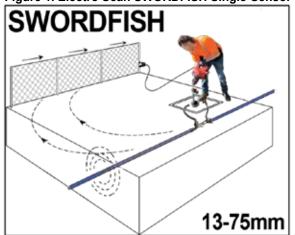


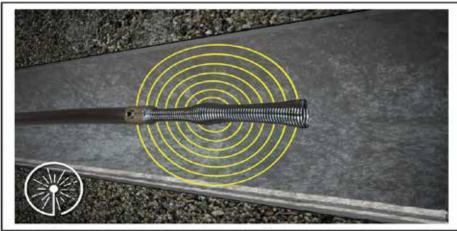
Levels of Lead in Drinking Water

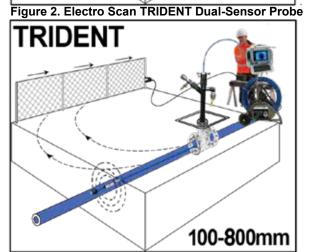


SWORDFISH Uses The Same Patented Technology That Finds Leaks Missed by Acoustic Sensors & CCTV

Figure 1. Electro Scan SWORDFISH Single-Sensor Probe







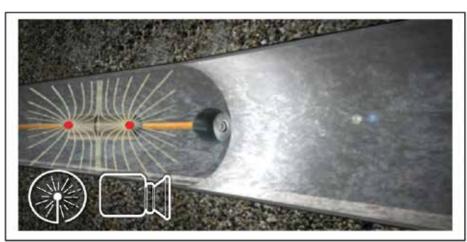
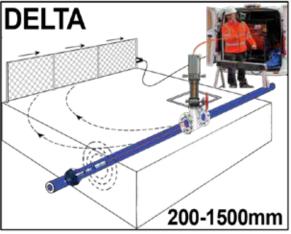
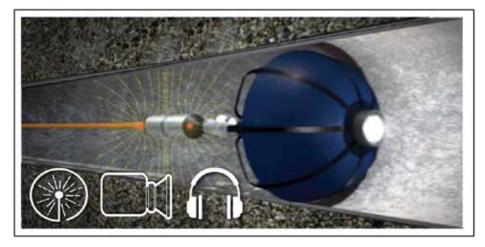


Figure 3. Electro Scan DELTA Multi-Sensor Probe





LEGEND



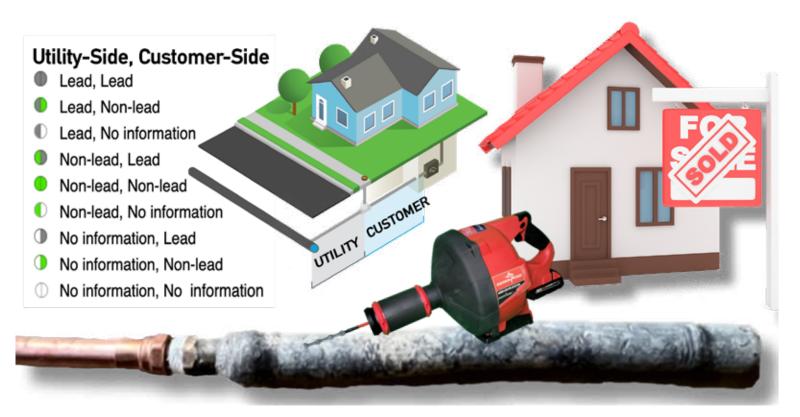
Electro Scan



CCTV



Acoustic





OLD WAY

Aboveground Lead Test: Exposed Pipe

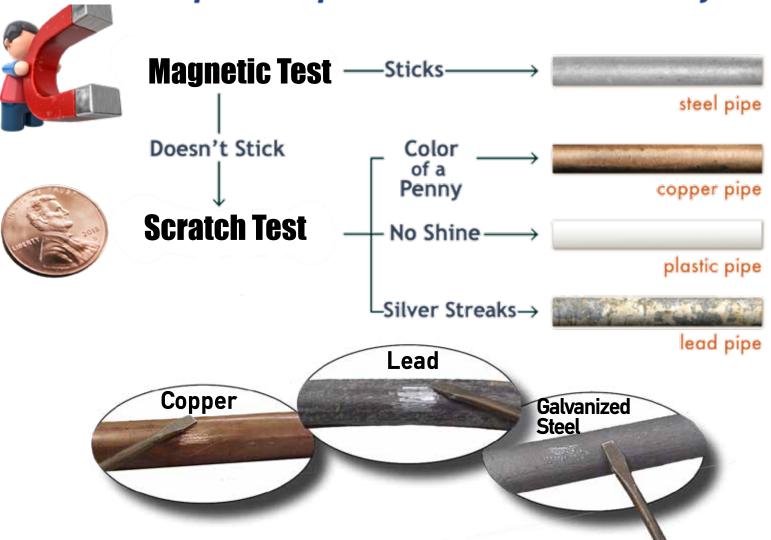






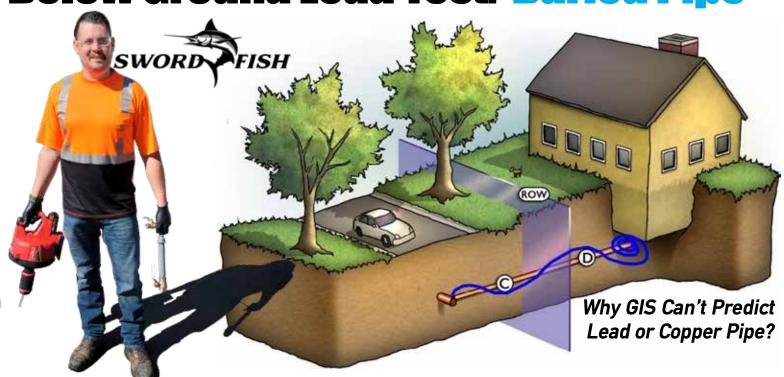


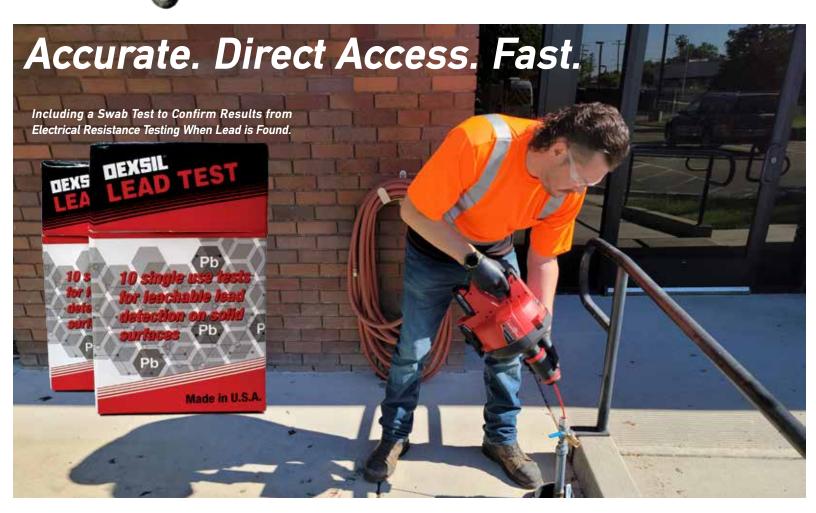
Disruptive. Expensive. Inaccurate. Messy.



NEW WAY

Below Ground Lead Test: Buried Pipe







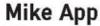
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Since September 2011

GRAVITY & UNPRESSURIZED PIPELINES

GRAVITY & PRESSURIZED PIPELINES



