



NEWSLETTER



Technology and Application Updates:

- Radar for Forensics and Archaeology
- Laser Profiling with Remote Cameras
- Infrared Imaging for Building Heat Systems

(780) 467-1606

www.maverickinspection.com

Maverick's Ground-Penetrating Radar

GPR Hunt for the Mad Trapper

You may have recently seen the Hunt for the Mad Trapper documentary on Discovery Channel. For this work, Myth Merchant Films used Maverick Inspection's expertise in Ground-Penetrating Radar (GPR) in the quest to exhume and identify this historical figure.

You can visit www.mythmerchantfilms.com for more details.



Dr. Lynne Bell examining the exhumed remains of the Mad Trapper in Aklavik.

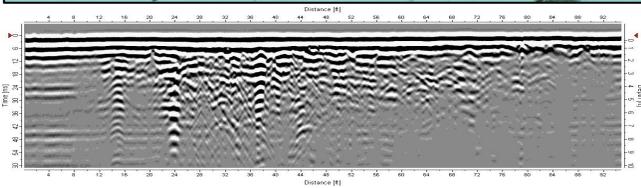
The Battle of Tarawa

Maverick has been involved in several similar projects. Recently, James Harrison from Maverick travelled to the Tarawa atoll in the South Pacific to locate unmarked graves of US Marines who fought to take what was at the time one of the most heavily fortified islands on earth. Ground-Penetrating Radar was used to locate bulldozer-dug burial trenches in an ongoing effort to locate and identify the lost remains of soldiers who fell during the intense 76 hour battle.

If you want to learn more about cemetery and burial projects and other applications and capabilities of GPR technology, please visit www.maverickinspection.com or call James Harrison at (780) 467-1606.



Many soldiers are still listed as missing after this crucial WWII battle in the Pacific.



Maverick's Remote Video Inspection

New Developments in Remote Video Inspection: Laser Profiling

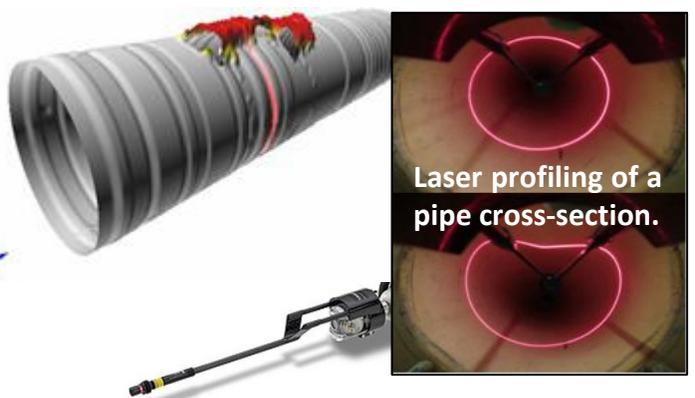
Explosion-proof systems.



Maverick has been continually upgrading our capabilities by researching and selecting specific camera systems across the spectrum of manufacturers. Inspection access size, lighting, clarity, explosion-proof ratings, and other features all have to be considered to ensure that the right solution can be applied to an inspection problem.

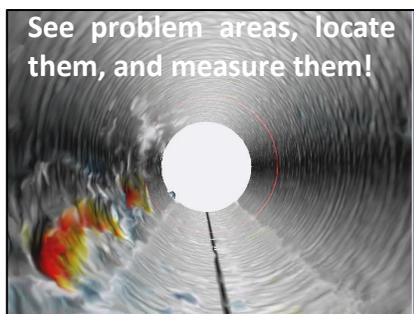
In addition to Remote Video Inspection, Maverick is now pioneering Laser Profiling as an add-on for our camera systems. The Laser Profiler is ideal for

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Laser profiling of a pipe cross-section.

all pipe materials for determining ovality, pipe wall loss, material loss, coating defects, offset joint measurements, deflection measurements, scale and deposit measurement and much more. The quantitative laser measurements are complemented with video images for confirmation of the nature of noted defects.

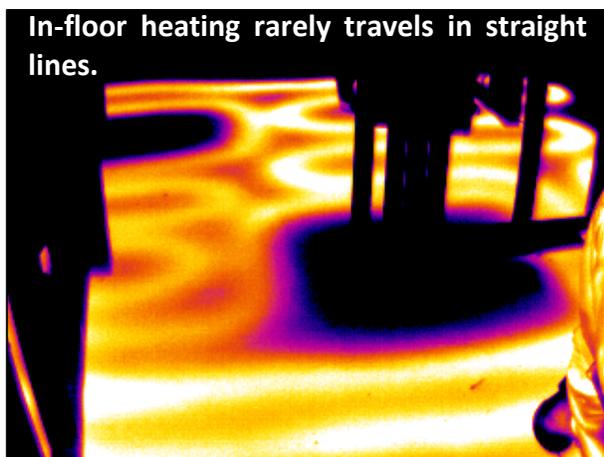


Ideal applications for Laser Profiling include:

- Determination of the structural shape, cross sectional area and defects
- Estimation of debris quantity
- Calculation of pipe capacity before and/or after cleaning
- Rehabilitation/Replacement design information to improve selection of method
- Post rehabilitation verification of lining and subsequent capacity

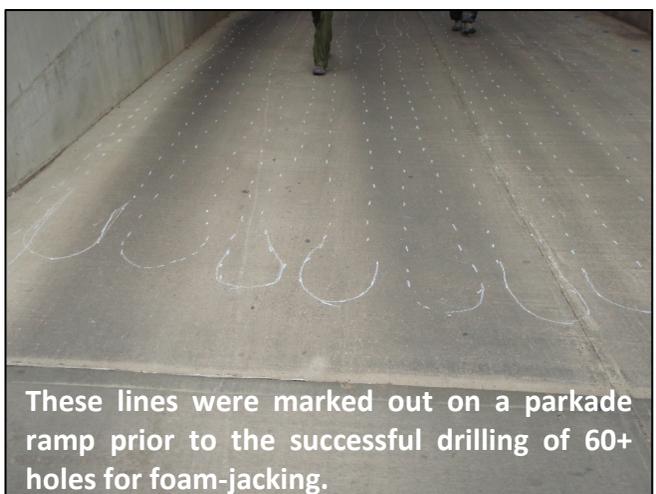
We have successfully used Laser Profiling in re-lined and coated pipes, carbon and stainless steel lines, concrete pipes, and PVC/HDPE systems, to name a few. If you have questions about the use or capabilities of Laser Profiling, please visit www.maverickinspection.com or call Leonard Olchove at (780) 467-1606.

Maverick's Infrared Thermography



Infrared and Building Heat Systems

We have found that our thermal imaging systems and expertise are the perfect complement to our radar services when it comes to in-floor heating systems. In-floor heating can be very complex, however infrared technology is an excellent approach for locating supply and return lines before coring in concrete floors.



There is a lot of information that can be gathered about a building using infrared imaging techniques. Moisture in the walls, missing insulation, electrical faults, poor building envelope seals, and other concerns can be visually confirmed using thermal imaging.



You can see more images and get more information about thermal imaging for building applications at www.maverickinspection.com or call Ryan Cote at (780) 467-1606.

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