ENVIRONMENTAL QUALITY TECHNOLOGY

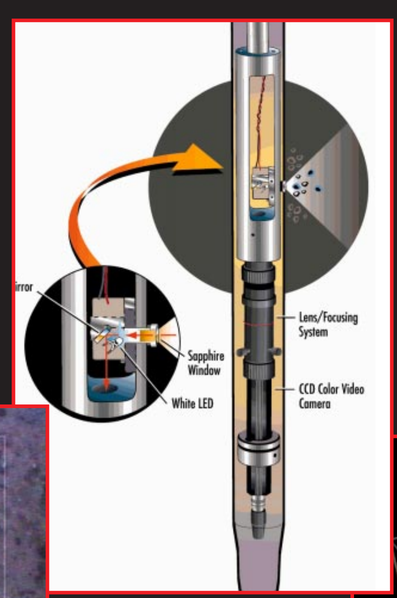
effective technology, assessment, and information for environmental management

Advanced Assessment and Sensor Technology

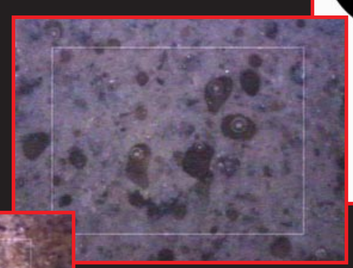
Providing Rapid Environmental Characterization at Reduced Cost

Navy Site Characterization and Penetrometer System (SCAPS)

- New sensor development
- Regulatory acceptance
- Technology transfer via Cooperative R&D Agreement
- Transition via NFESC and commercialization

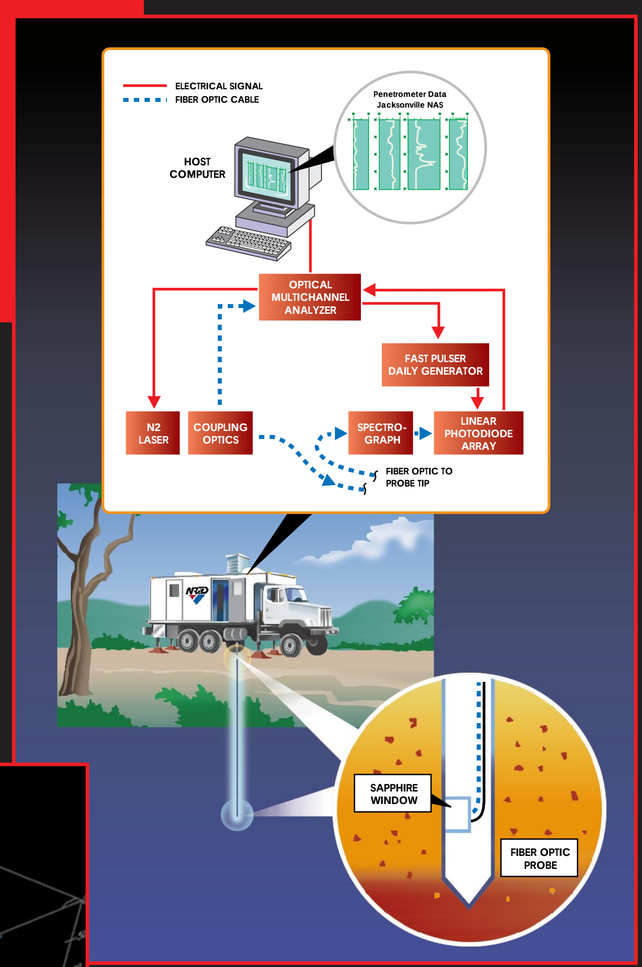


Schematic of GeoVis soil video imaging system probe for imaging subsurface soil environment

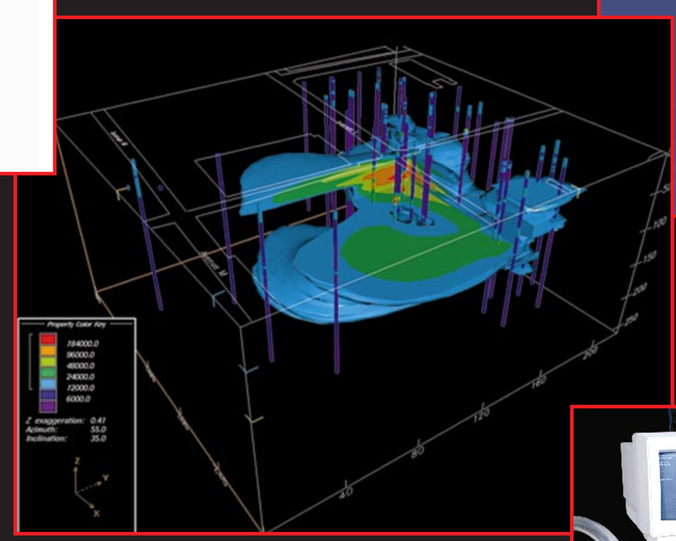


Video detection of DNAPL microglobules

Video image of soil characteristics



Laser-induced fluorometry – hydrocarbon sensor system



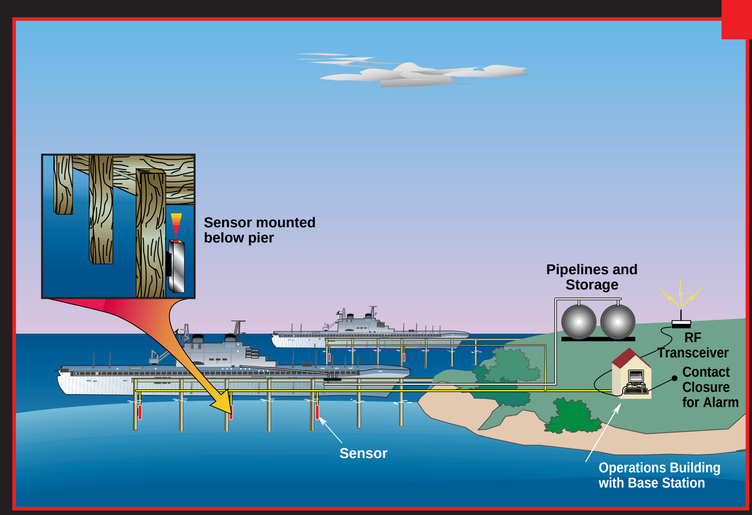
NAS Alameda hydrocarbon plume visualization

Fiber optic metals sensor - Laser-induced breakdown spectroscopy

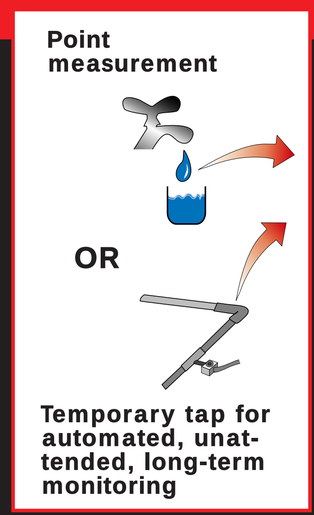
Qwiklite Bioassay System for rapid low-cost biological testing

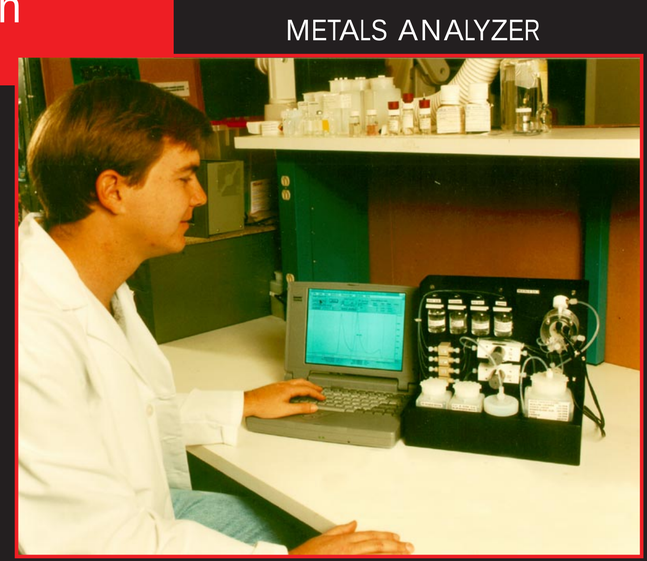
Environmental Sensor Development

- Rapid contaminant/spill assessment and characterization
- Technology transfer to industry
- On-site analysis/detection

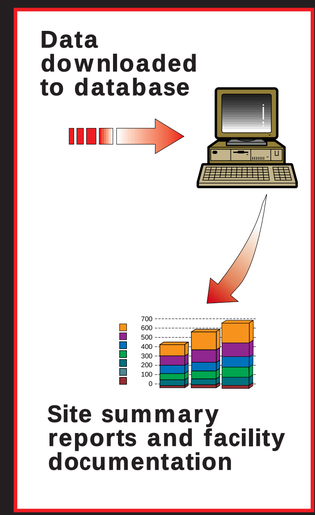


Pierside Oil Spill Detection System





Portable on-site trace metal analyzer



RESEARCH ➡ TECHNOLOGY DEVELOPMENT ➡ TECHNOLOGY TRANSITION/TRANSFER ➡ DIRECT SUPPORT

SD 132 • November 1998 • Approved for public release; distribution is unlimited.