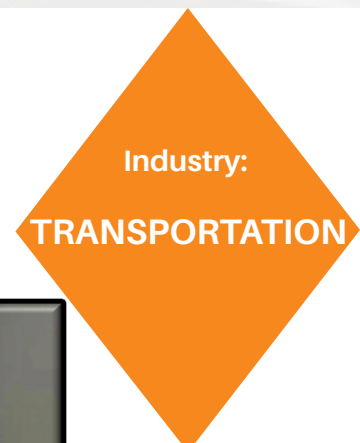


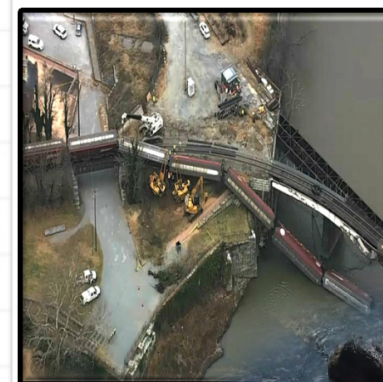
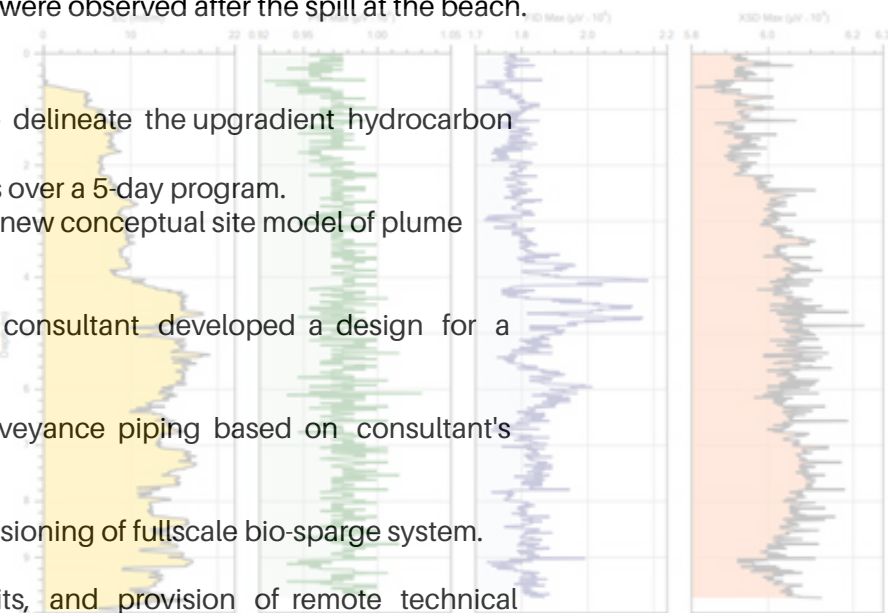
BACKGROUND:

A train derailment occurred upgradient of a beach site in Northwestern Ontario. The derailed train released LNAPL into the subsurface, the spill of which required delineation and recovery to understand plume dynamics and remediate the site. Periodic occurrence of discoloured sand and sediment, as well as a biogenic sheen were observed after the spill at the beach.



General Scope of Work:

- Complete a MiHPT program to delineate the upgradient hydrocarbon plume:
 - 1) Delivery of 30 MiHPT points over a 5-day program.
 - 2) Report to the stakeholders new conceptual site model of plume dynamics.
- SCG in collaboration with the consultant developed a design for a bio-sparge pilot test.
- Design and installation of conveyance piping based on consultant's requirements.
- Design, installation and commissioning of fullscale bio-sparge system.
- Periodic site maintenance, visits, and provision of remote technical assistance.



Full Cycle Remediation

