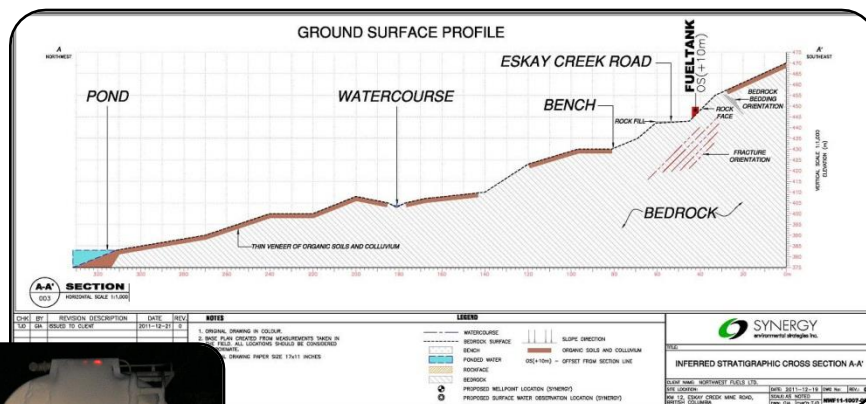


Response to Diesel Fuel Tanker Rollover



Project Profile

In a remote area of Northwest BC, during the winter, a fuel truck rolled over spilling approximately 10,000 L of diesel fuel. The truck hit a rock face, compromising the rear compartment of the tanker.

Issue

Little of the fuel was recovered and we determined that the fuel seeped into the subsurface and was moving through the fractures in the underlying bedrock. Fuel recovery and investigation efforts were difficult due to a steep ravine and undulating terrain on the downslope side of the road. Our main concerns were the potential for impacts to the nearby Iskut River, and potential downstream impacts to the salmon fishery in the Stikine River.

Solution

Following discussions with BC MOE and the local First Nation, we mutually agreed to a risk-management approach. SynergyAspen completed a hydrogeological conceptual site model; including mapping the downslope area and identifying the nearest surface water receptors. This enabled us to design and implement a surface water monitoring program.

Outcome

The monitoring program is ongoing, with no evidence of the lost fuel in the downslope groundwater seepage areas. We are currently drafting contingency plans to manage and potentially capture fuel seepage.