

Pcs 84069

AltEn Field Observations.

February 24, 2021

Dave Bubb

NDEE

Observations started at approximately 1430 and ended at 1640.

Looking north from Highway 66 northwest of Site 3. Lagoon Pumping and Excavating Company pumping fluid from ditch.



202100251202

Close-up of water being pumped from the ditch.

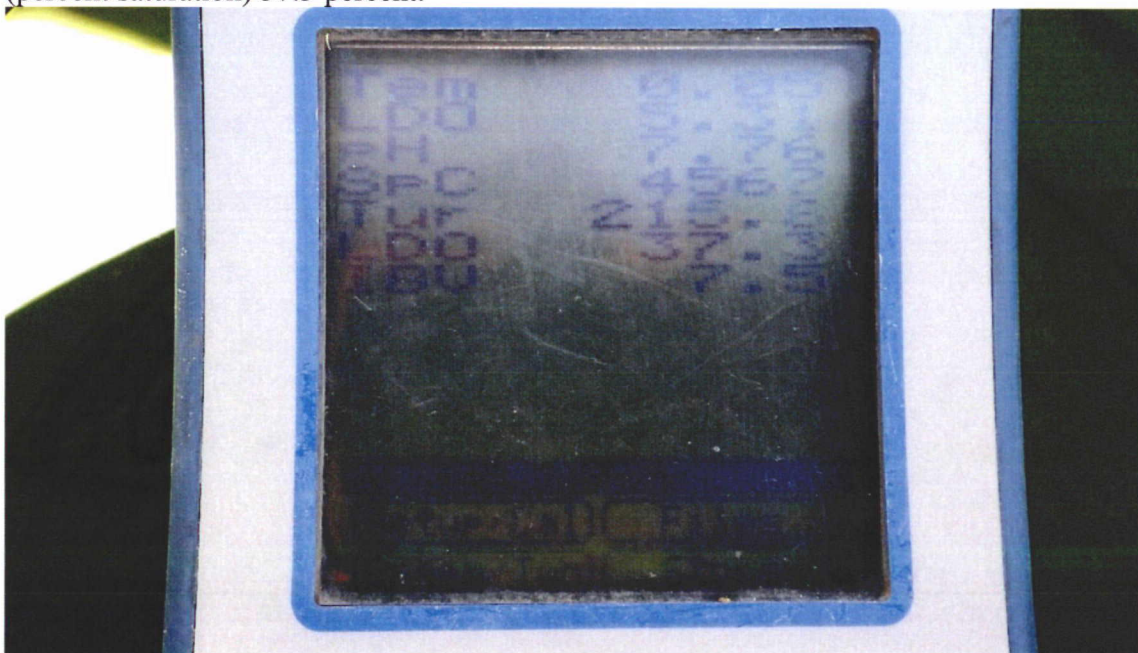


Looking south from the above picture. Backhoe scraping the ditch.





Water quality meter determining field parameters at Site 2. Water was melting on top of the ice. Water Temperature: 0.05 degrees C, Dissolved oxygen: 5.31 mg/l, pH: 7.76 St.Units, Conductivity: 4,567 Umhos/cm, Turbidity: 215.6 NTU's, Dissolved oxygen (percent saturation) 37.3 percent.



Excavating ice and soil from ditch south of Site 5.



PTO from tractor at Site 5.



Other notes:

During this visit the temperature was 50 degrees. Light north wind and clear. The pictures are in order of observation.

Site work was discontinued at Site 3.



AltEn Field Observations.

February 23, 2021

Dave Bubb

NDEE

Observations started at approximately 1420 and ended at 1620.

Site 3, east side of Highway 66. Pumping waste from stream. As of 1630 approximately 7,500 gallons had been pumped from stream.



Site 3, west side of Highway 66. Sandbags and tarp-covered plywood blocking the culvert. There is also an inflated packer in the culvert.

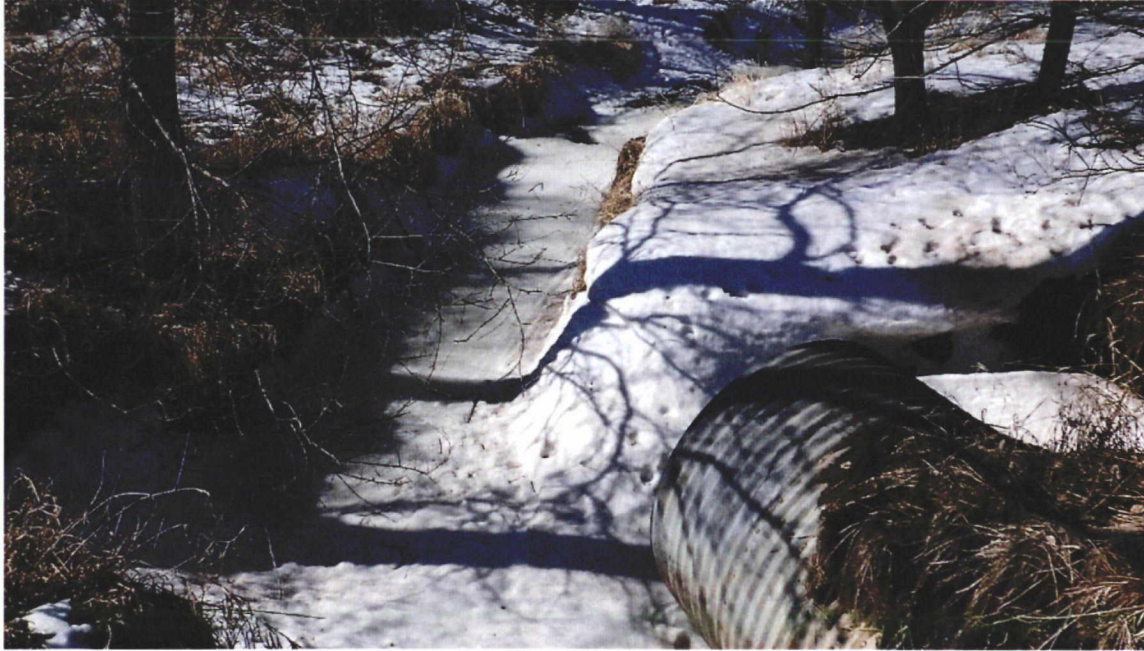


Site 3, west side of Highway 66 above sandbags looking west (upstream).

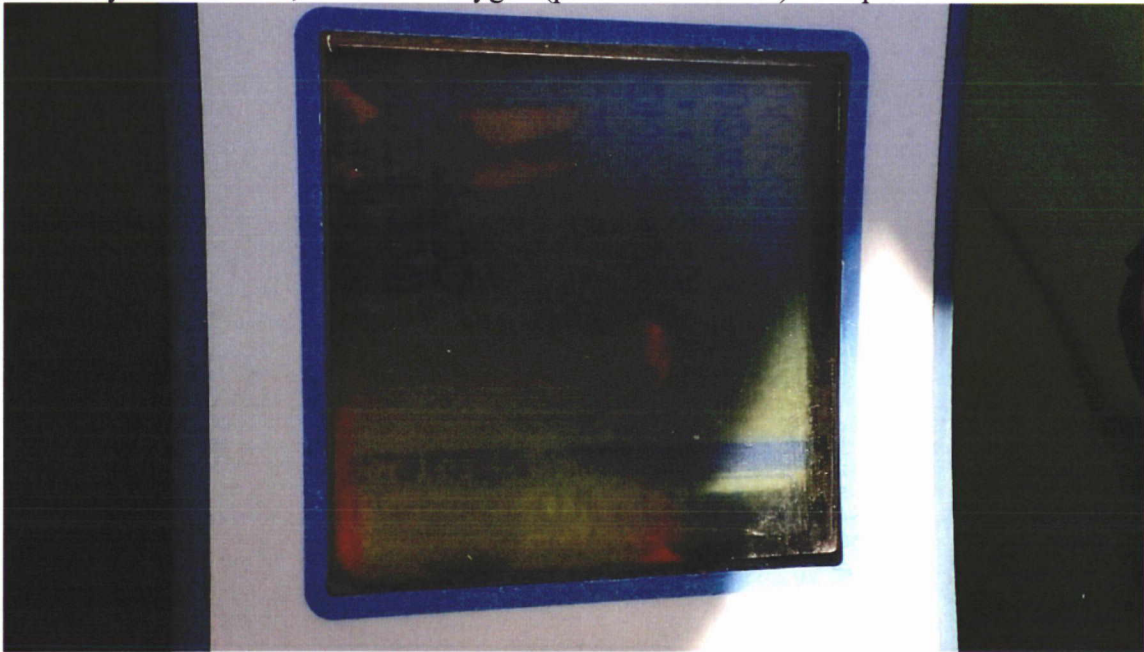




Site 2, west side of road. Note hole in ice toward top of picture.



Site 2, west side of road. Hydrolab Surveyor showing results of field parameters from probe being deployed in hole on previous picture. Water Temperature: 0.59 degrees C, Dissolved oxygen: 13.07 mg/l, pH: 7.47 St.Units, Conductivity: 1,292 Umhos/cm, Turbidity: 14.0 NTU's, Dissolved oxygen (percent saturation) 91.5 percent.





Site 4, west side of road, upstream. Note orange markings and flags.



Site 4, east side of road, downstream.





East of Site 5, looking west toward Site 5 (upper right-hand corner). Note dump trucks and backhoes in the distance removing ice and soil from stream southeast of Site 5 (left side of picture).



Looking east/southeast from Site 5. Dump trucks and backhoes removing ice and soil from stream.





Site 5 facing north. Collapsible pipe going north toward the AltEn facility.



Site 5, at roads 9<sup>th</sup> and J facing northwest. PTO from tractor (above white generator) with stinger in the stream.





**Other notes:**

During this visit the temperature was 45 to 50 degrees F. North wind at 5 mph and 10 percent light clouds. The pictures are in order of my observations. I did make one last, additional stop at Site 3 before leaving. I did not stop at Site 1.

Site work was taking place at Site 3 and Site 5 and below Site 5. Also, an earthen berm was being constructed north of highway 66, above Site 3.