

PCS

84069

AltEn Field Observations

March 14, 2021

Dave Bubb

NDEE

Observations started at Approximately 1200 and ended at 1335

This area had received significant rain from the previous day, March 13 and continued through March 14.

Site 3 facing west on west side of Highway 66. Culvert has had the interior balloon, plywood and sandbags removed.



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Site 3 facing east on west side of Highway 66. Same culvert as previous photo but facing east. Note: Balloon, plywood and sandbags are no longer present. Water temperature: 4.9 degrees C, Dissolved oxygen: 8.6 mg/l, pH: 7.4 St.Units, Conductivity: 429 Umhos/cm, Turbidity: 16.3 NTU's, Dissolved oxygen (percent saturation) 67 percent. Air temperature: 40 degrees F, 100% cloud cover, previous and current rain, east wind at 30 to 50 mph. Water samples were collected at this location.



Site 3 facing east on the east side of Highway 66.





Site is approximately 0.7 miles below Site 2. Private pond is towards the upper right-hand corner of photo. This photo was taken facing west on the west side of County Road 5 and 0.2 miles south of County Road F. Stream flows into pond and leaves the pond via an outfall structure.



Facing east on east side of County Road 5. Same stream as previous photos just on opposite side of the same county road.





Site 2 facing west on west side of County Road 6. Much more water than usual (from previous visits).



Site 2 facing east on east side of County Road 6.





Stream above Site 3 Facing north on the north side of Highway 66. A large pump and berm had previously been installed. Berm had been across the stream just above the horizontal pole. Previous photos showed a large pump with a tractor. Collapsible tubing has also been removed where stream was being pumped from the south.



Same stream as previous photo facing south and on south side of Highway 66.





Site 0.3 miles east of Roads 8 and H facing north.



Site 4 facing west on west side of County Road 8.





Site 5 facing west on west side of County Road 9. Water temperature: 5.7 degrees C, Dissolved oxygen: 4.1 mg/l, pH: 7.5 St.Units, Conductivity: 628 Umhos/cm, Turbidity: 137 NTU's, Dissolved oxygen (percent saturation) 32 percent. Air temperature: 40 degrees F, 100% cloud cover, previous and current rain, east wind at 30 to 50 mph. Water samples were collected at this location.



Facing east from County Road 10. Photo shows standing water to the south of piles of wet cake and north side of the north hoop barn. Note: water flowed across north/south AltEn access road and into ditch along County Road 10.

