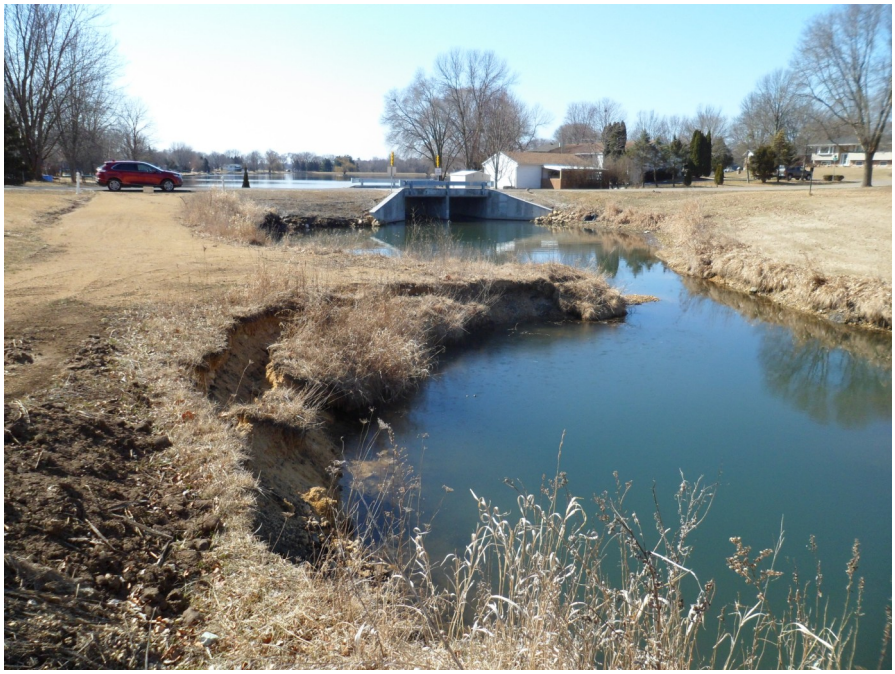
Storm Damage to Catchment Ponds, June 2018.



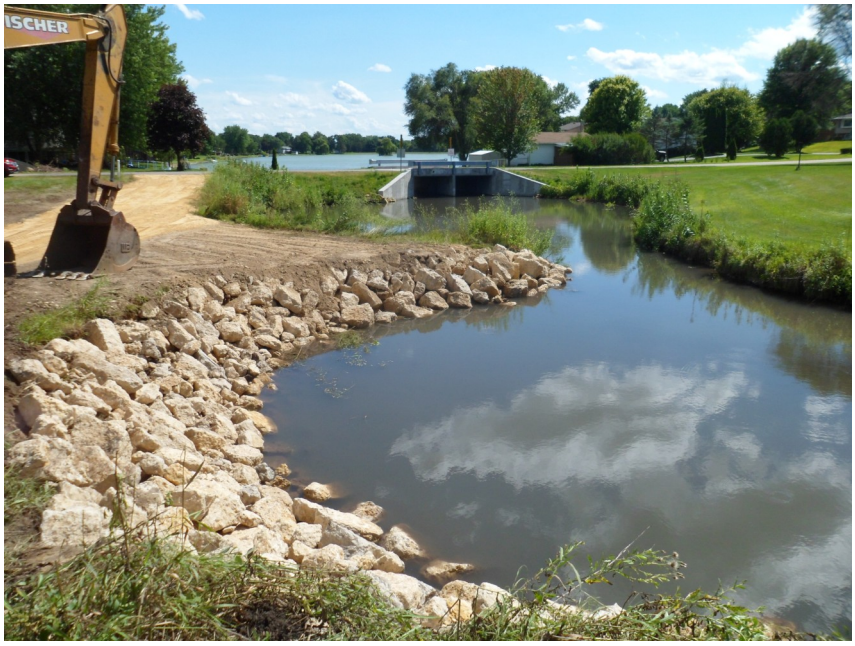
North Catchment, Pond East wall ~ Partial collapse.

In the spring of 2018 we had 4 inches of rain in 24 hr. This large in flow eroded parts of our catchment ponds. We contracted with Fischer Excavating to repair the damage.

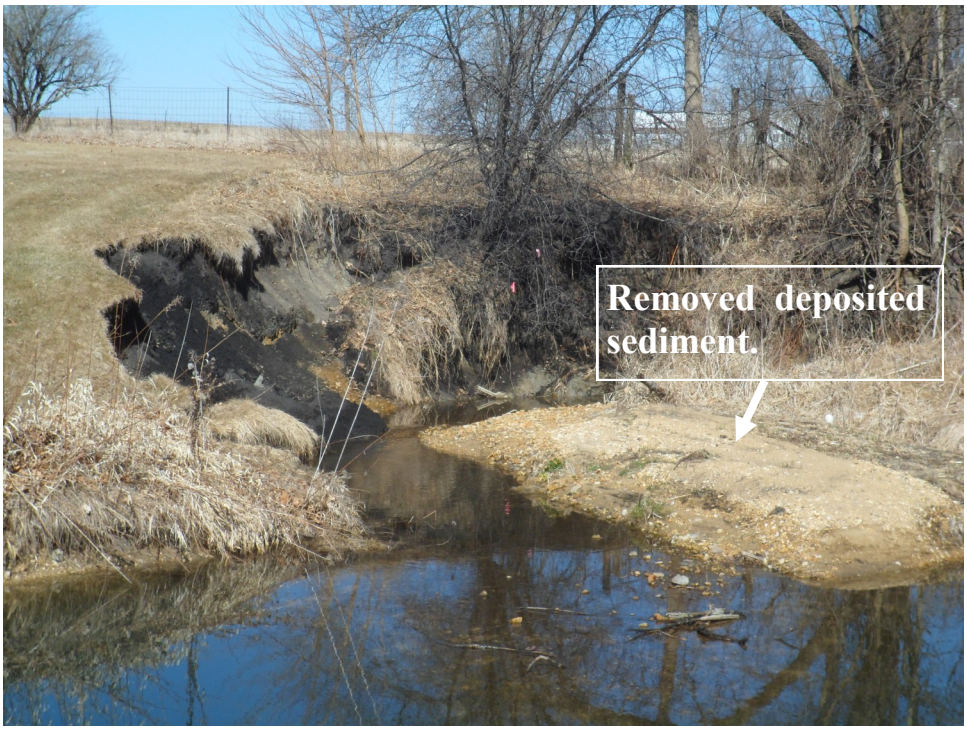
These pictures show the before and after condition of the pond banks.

The ponds are fed by a stream from the north. This stream has changed course as a result of material deposited in its bed. The rapid inflow of water scoured the east bank of the upper (northern) pond. Part of the east bank collapsed.

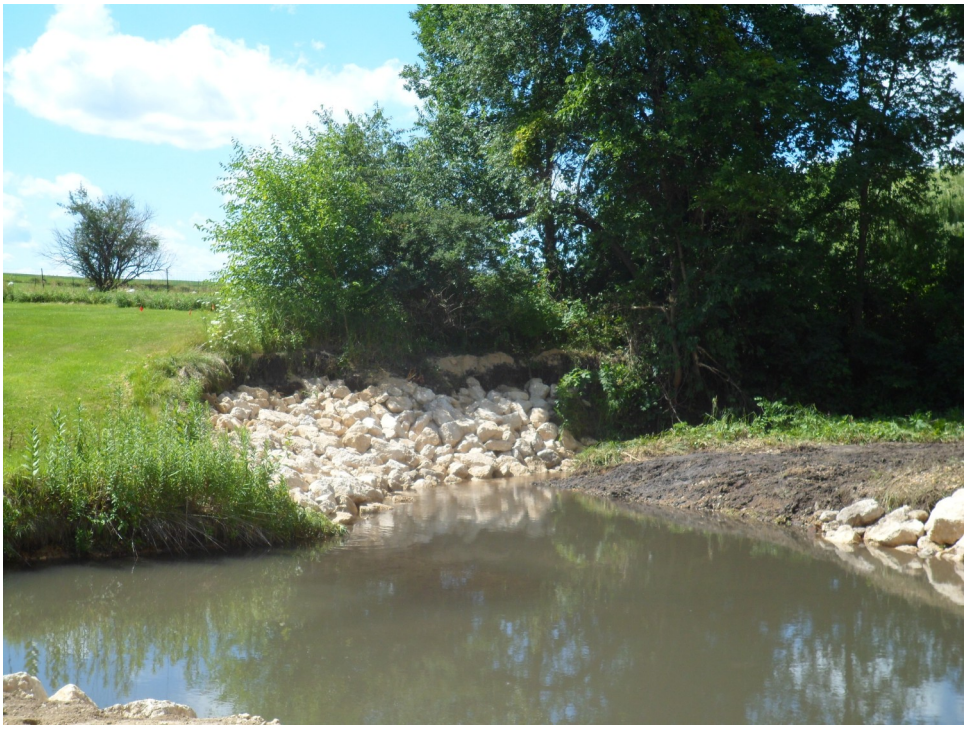
This bank has been cleaned and large rock placed along the surface.



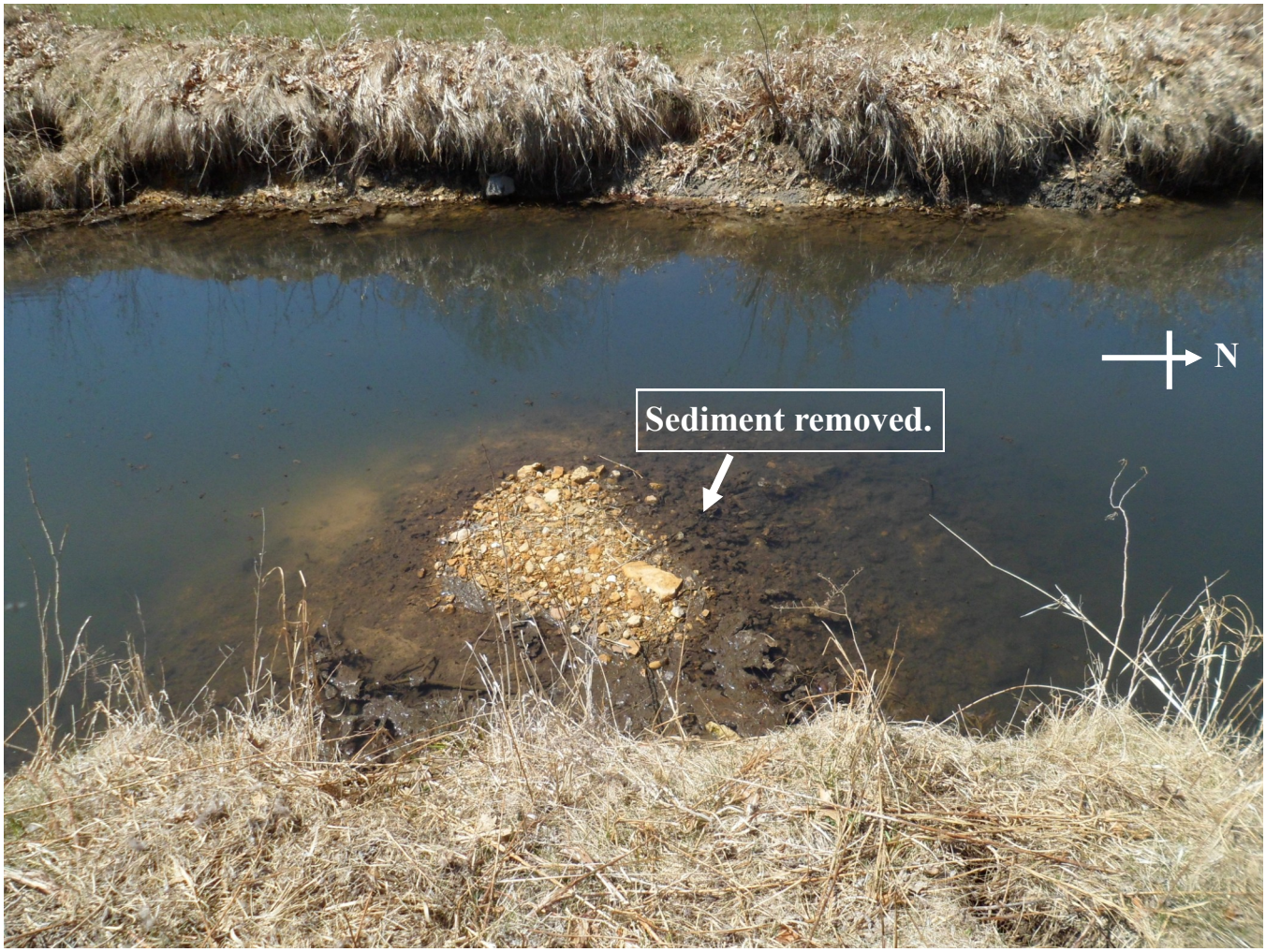
After repair.



Before repair. Feeder stream, partial collapse of west bank. The stream had changed course and deposited sediment. When the stream level was high the sediment deflected the water flow against the west bank causing the collapse.



After repair.



The two catchment ponds are separated by a narrow channel thus forming a figure 8. The upper pond is to the right (north). Water enters the upper pond from the narrow stream, slows down and deposits some sediment. Water flows through the separating choke point, gaining velocity, into the large lower pond. Again its flow slows and deposits more of the sediment.. The choke point is both narrow in width and more shallow than either catchment pond. Sediment was removed from the choke point.