

**North Branch Manistee River and Mecum Road Crossing
Kalkaska County, MI**



Photo Credit: Conservation Resource Alliance

BEFORE- Impounded sediments cascade into the undersized culverts at Mecum Road and North Branch Manistee River. The 5 culverts shown are 72" diameter and pictures depict the stream bed elevation aggraded to the top of the tubes. The approaches are composed of sand and gravel that also input to sediment delivery.



Photo Credit: Conservation Resource Alliance

AFTER - Channel spanning timber structure allowing for unrestricted aquatic species passage and sediment and nutrient movement.