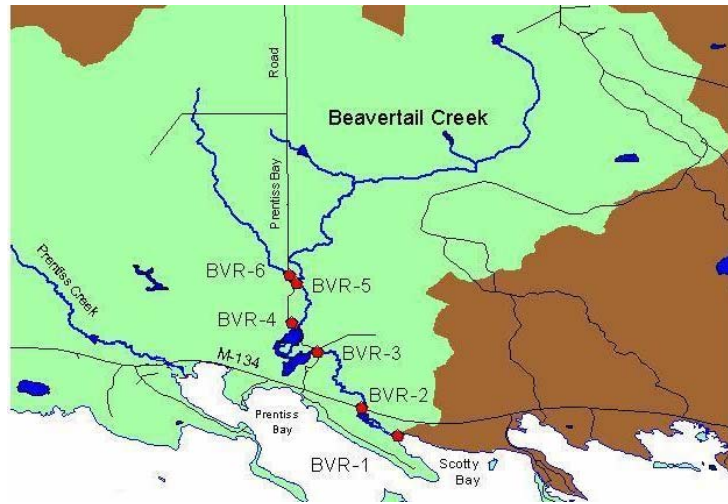


Beavertail Creek

At Prentiss Bay Road (lower crossing)
BVR-3



Upstream



Downstream



Beavertail Creek

At Prentiss Bay Road (lower crossing)
BVR-3

Beavertail Creek at Prentiss Bay Road (lower crossing)

Site I.D.: BVR-3

GPS Coordinates: N 45.99148
W 84.21192

Township: Raber

County: Chippewa

Adjacent Landowners: State/private

Road Information

Jurisdiction: MCRC

Surface: Gravel

Width at Crossing: 15 feet

Maintenance: Seasonal

Low point: Adjacent wetland

Drainage Control Features: None

Approach Length: Left: 0.28 mile
Right: 0.18 mile

Slope: Left: 0 percent
Right: 0 percent

Ditch/shoulder vegetation: Left: Heavy
Right: Partial

Average Width of Grade: 17 feet

Runoff Path: Roadway

Stream Characteristics

Average Width: Upstream: 16 feet
Downstream: 8 feet

Average Depth: Upstream: 24 inches
Downstream: 6 inches

Average Current: Upstream: Slow
Downstream: Fast

Substrate Type: Upstream: Sand/grav/muck
Downstream: Sand/gravel

Adjacent Wetlands: Yes

Visible Down Cutting: No

Culvert Information

Culvert Type: Twin

Length: 24 feet

Diameter: 36 inches

Material: Galvanized

Condition: Good

Culvert Flow: Clear

Fish Passage Problem: No

Fill Depth: Inlet: 1.5 feet
Outlet: 1.5 feet

Embankment Slopes: Inlet: 2:1
Outlet: 2:1

Beavertail Creek

At Prentiss Bay Road (lower crossing)
BVR-3

Conditions and Treatment

Erosion Conditions

- Streambank erosion beside crossing
- Embankment erosion
- Culvert outlet erosion
- Sand/soil over crossing

Recommended Treatment

- Replace culverts with single bottomless culvert or bridge
- Raise approaches
- Stabilize embankments

Erosion Severity Rating: Moderate (25)

Overall Condition Rating: Severe

Cost: See BMP Cost Tables

Comments: This is the most downstream crossing on Prentiss Bay Road and possibly the most impacted by poor design. The crossing was nearly impassible the first spring of the Les Cheneaux Watershed Project due to heavy flows impeded by the two ineffective culverts. The gravel surface over the culverts was washed out. These culverts need to be replaced by a bridge or large bottomless culvert that accommodates the creek width. The road approaches need to be raised and embankments stabilized with vegetation. Each year approximately 6.6 tons of sand is deposited in the creek at spring discharge. (8 ft wide + 8 ft wide gully/2 x 1 ft deep x 15 ft long x .055 tons/cu. ft.)

