

Beavertail Creek

At Prentiss Bay Road (second crossing)
BVR-4



Upstream



Downstream



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Site I.D.: BVR-4

GPS Coordinates: N 45.99579
W 84.21589

Township: Raber

County: Chippewa

Adjacent Landowners: State/private

Road Information

Jurisdiction: MCRC

Surface: Gravel

Width at Crossing: 15 feet

Maintenance: Seasonal

Low point: At stream

Drainage Control Features: None

Approach Length: Left: 0.05 mile
Right: 0.05 mile

Slope: Left: 0 percent
Right: 0 percent

Ditch/shoulder vegetation: Left: Heavy
Right: Partial

Average Width of Grade: 22 feet

Runoff Path: Ditch

Stream Characteristics

Average Width: Upstream: 15 feet
Downstream: 15 feet

Average Depth: Upstream: 24 inches
Downstream: 6 inches

Average Current: Upstream: Moderate
Downstream: Moderate

Substrate Type: Upstream: Sand
Downstream: Sand/gravel

Adjacent Wetlands: Yes

Visible Down Cutting: No

Culvert Information

Culvert Type: Triple

Length: 30, 34, and 31 feet

Diameter: 24, 24, and 36 inches

Material: Galvanized

Condition: Good

Culvert Flow: Clear

Fish Passage Problem: Yes, fast

Fill Depth: Inlet: One foot
Outlet: One foot

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

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Conditions and Treatment

Erosion Conditions

- Embankment erosion
- Culvert outlet erosion
- Pool formation at culvert outlet
- Sand/soil over crossing

Recommended Treatment

- Replace culverts with single bottomless culvert or bridge
- Raise road elevation
- Stabilize embankment with vegetation

Erosion Severity Rating: Moderate (24)

Overall Condition Rating: Severe

Cost: See BMP Cost Tables

Comments: During the spring of both years of the Les Cheneaux Watershed Project, this crossing on Prentiss Bay Road has flooded over the road, cutting a channel over the road and depositing significant sediment into the creek. The road is very low. Three small culverts are installed at an angle to the road, impacting the natural stream flow. Improvement to this crossing would include raising the road above the surrounding grade and stabilizing the embankments with vegetation. A bridge or large bottomless culvert would be added to maintain the natural flow pattern and eliminate erosion around the current culverts. 4.125 tons of sediment are deposited into the creek each year because of an annual wash out of the road. (5 ft wide + 5 ft wide gully/2 x 1 ft deep x 15 ft long x .055 tons/cu. ft)

