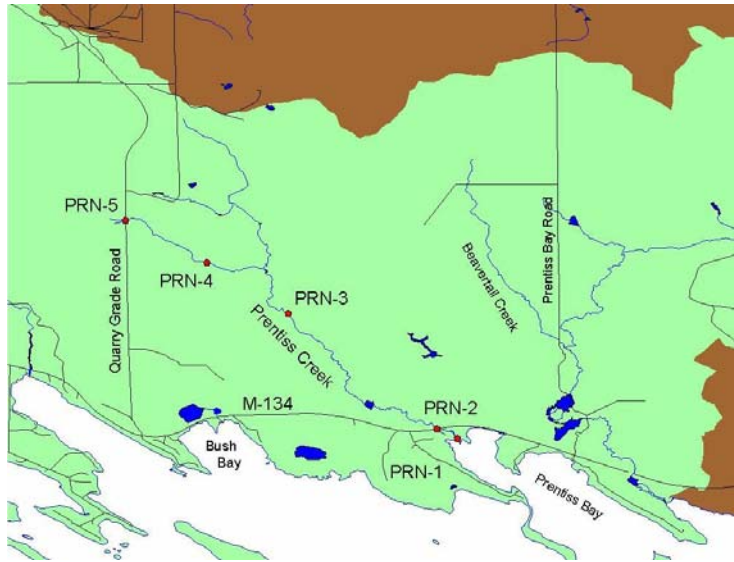


Prentiss Creek

At Quarry Grade Road
PRN-5



Upstream



Downstream



Prentiss Creek

At Quarry Grade Road
PRN-5

Prentiss Creek at Quarry Grad Road

Site I.D.: PRN-5

GPS Coordinates: N 45.02181
W 84.28339

Township: Clark

County: Mackinac

Adjacent Landowners: Private

Road Information

Jurisdiction: Private

Surface: Gravel

Width at Crossing: 89 feet

Maintenance: Year around

Low point: At stream

Drainage Control Features: None

Approach Length: Left: 264 feet
Right: 0.1 mile

Slope: Left: 0 percent
Right: 0 percent

Ditch/shoulder vegetation: Left: Heavy
Right: Heavy

Average Width of Grade: 135 feet

Runoff Path: Ditch

Stream Characteristics

Average Width: Upstream: Flooded
Downstream: Flooded

Average Depth: Upstream: Flooded
Downstream: 12 inches

Average Current: Upstream: Slow
Downstream: Slow

Substrate Type: Upstream: Muck
Downstream: Muck

Adjacent Wetlands:

Yes

Visible Down Cutting:

No

Culvert Information

Culvert Type: Single

Length: 135 feet

Diameter: 24 inches

Material: Galvanized

Condition: Good

Culvert Flow: Obstructed

Fish Passage Problem: Yes

Fill Depth: Inlet: 3 feet
Outlet: 3 feet

Embankment Slopes: Inlet: 1.5:1
Outlet: 1:1



Prentiss Creek

At Quarry Grade Road
PRN-5

Conditions and Treatment

Erosion Conditions

- Embankment erosion
- Sand/soil over crossing

Recommended Treatment

- Investigate alternate crossing structure
- Clean and maintain inlet and outlet cages
- Maintain protective embankment

Erosion Severity Rating: Moderate (21)

Overall Condition Rating: Severe

Cost: See BMP Cost Tables

Comments: The southern-most branch of Prentiss Creek begins west of the MLO quarry grade. The creek crosses under the grade and the train tracks used by MLO. The culvert is small and protected from blockage by square cages at the crossing inlet and outlet. This cage prevents debris from being lodged within the long span under both the grade and the train route. An alternate crossing structure should be researched; if not possible, the cage should be kept clean to maintain natural drainage patterns. A protective embankment should also be maintained to minimize sediment reaching the water body.

