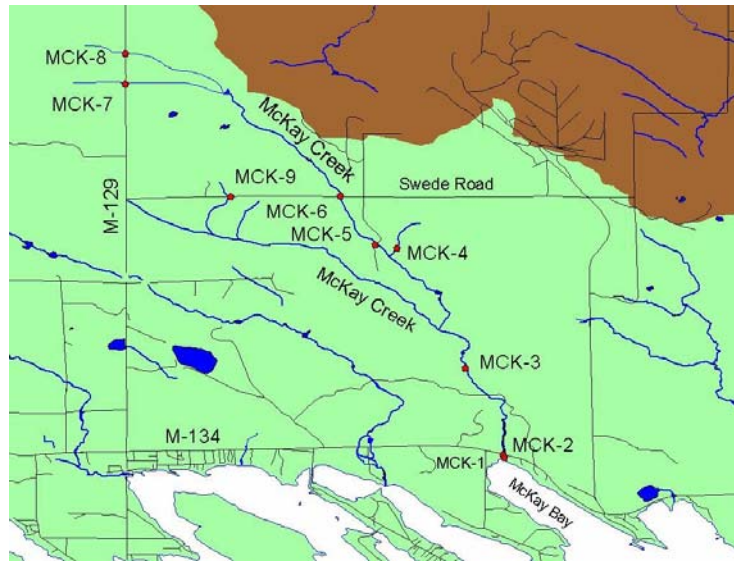


McKay Creek

At Crockett Bridge
MCK-5



Upstream



Downstream



McKay Creek

At Crockett Bridge
MCK-5

McKay Creek at Crockett

Site I.D.: MCK-5

GPS Coordinates: N 46.03487
W 84.32024

Township: Clark

County: Mackinac

Adjacent Landowners: Private

Road Information

Jurisdiction: Private

Surface: Gravel

Width at Crossing: 13 feet

Maintenance: Seasonal

Low point: At stream

Drainage Control Features: None

Approach Length: Left: 0.03 mile
Right: 0.1 mile

Slope: Left: 6-10 percent
Right: 6-10 percent

Ditch/shoulder vegetation: Left: Heavy
Right: Heavy

Average Width of Grade: 17 feet

Runoff Path: Roadway

Stream Characteristics

Average Width: Upstream: 13 feet
Downstream: 13 feet

Average Depth: Upstream: 6 inches
Downstream: 6 inches

Average Current: Upstream: Moderate
Downstream: Moderate

Substrate Type: Upstream: Sand
Downstream: Sand

Adjacent Wetlands:

Yes

Visible Down Cutting: No

Culvert Information

Culvert Type: Bridge

Length: 12 feet

Diameter: N/A

Material: Wood/concrete/steel

Condition: Good

Culvert Flow: Clear

Fish Passage Problem: No

Fill Depth: Inlet: N/A
Outlet: N/A

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

McKay Creek

At Crockett Bridge
MCK-5**Conditions and Treatment****Erosion Conditions**

- Sand/soil over bridge

Recommended Treatment

- Improve approaches
- Raise elevation of road
- Install turnouts for water diversion

Erosion Severity Rating: Moderate (20)**Overall Condition Rating:** Moderate**Cost:** See BMP Cost Tables

Comments: Both approaches to Crockett's bridge should be improved to eliminate the current path of sediment from coursing down the road and reaching the creek. The road should be raised and significantly crowned and turnouts installed to divert the runoff into vegetated ditches. 13 ft wide x .06 ft long x .01 ft. yr x .055 tons/cu. ft. = .00043 tons/yr.

