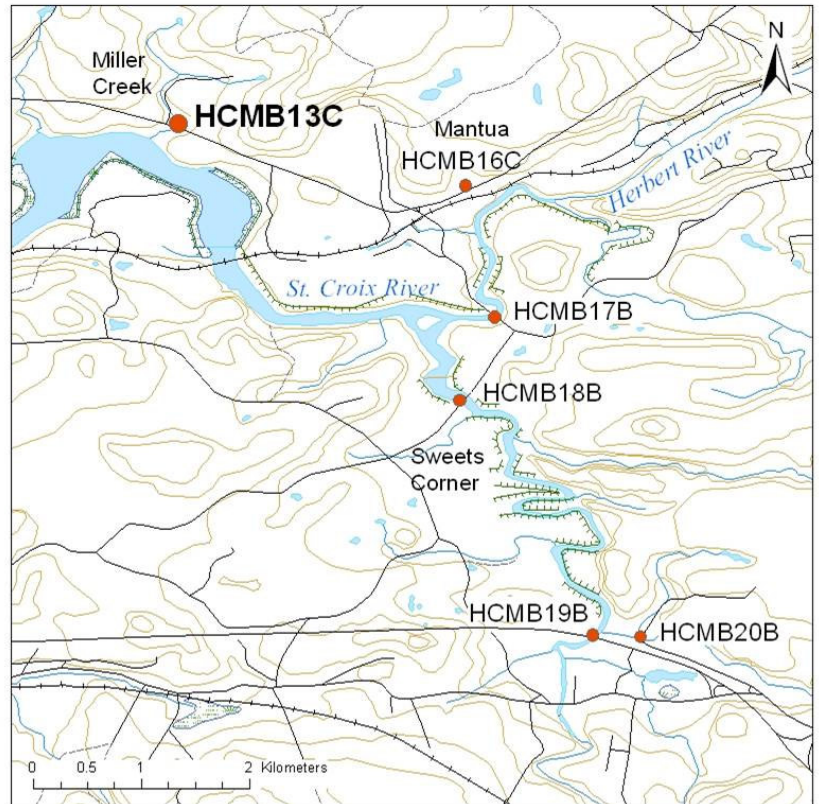


**Site HCMB 13C:** Miller Creek**Date Assessed:** 04/09/03,  
05/12/03**GPS Coordinates:** N 45° 00' 36''  
W 64° 03' 55''**Crossing Status:** Partial restriction.**Road Crossing:** Two 1.3m wide concrete culverts.**Crossing Condition:** Crossings appear to be new, or recently maintained, evidence of recent work on marsh surface and roadside.**Restriction Indicators:**

- Difference in stream width
- Divergent channel
- Difference in vegetation
- Hanging culvert
- Turbulent water flow

**Downstream of Crossing****Creek:** 2.5m wide creek with a slightly turbulent flow and slumping banks, evidence of instream work present**Land:** Mix of tidal wetland, agriculture and forested.**Upstream of Crossing****Creek:** 2m wide with a slightly turbulent flow, and areas of slack water.**Land:** Tidal wetland, agriculture (cattle grazing).**Comments:** Crossing appears to have recently been repaired/replaced. Small tidal channel is divided into two streams by the two culverts and reform a single channel upstream. Two culverts are placed above the stream bed and the fine rock material along roadside is likely to wash into stream. A single, large open bottom structure, with a greater mix of small and large material on roadside, would likely function better.

**Figure 1:** Downstream showing that the culverts are placed above the base of the channel. The background shows a definite elevation rise and a mix of agriculture and woodland upstream.



**Figure 2:** Downstream end of culverts showing a divergent channel, evidence of recent work and a new shoulder.

**Figure 3:** Wetland vegetation downstream of crossing







**Figure 5:** 2002 Aerial photograph containing tidal barrier data, (1: 10,000)