

Site KCMB 13C: Kingsport Marsh 1 (near sign)

Date Assessed: 03/08/04

GPS Coordinates: N 45° 09' 36''
W 64° 22' 40''

Crossing Status: Partial restriction

Road Crossing: 1.5m concrete culvert

Crossing Condition: Intact

Restriction Indicators:

- Difference in water level
- Bank slumping
- Difference in stream width
- Turbulent water flow
- Scour pool
- Hanging culvert

Downstream of Crossing

Creek: 10m stream width

Land: Salt marsh

Upstream of Crossing

Creek: 3m wide creek that flows from upland wetland area, through a round steel culvert placed in a driveway short distance upstream of the road.

Land: Tidal wetland that is bordered by farmland and rural development.

Comments: Enlargement and lowering of crossing would improve tidal flow and fish passage to upland area but would put driveway just upstream of this crossing at risk of flood damage. Restoration activities at this site would have to involve driveway condition as well. Improved tidal flow through roadway and beyond the driveway would improve tidal wetland habitat to the upstream area.

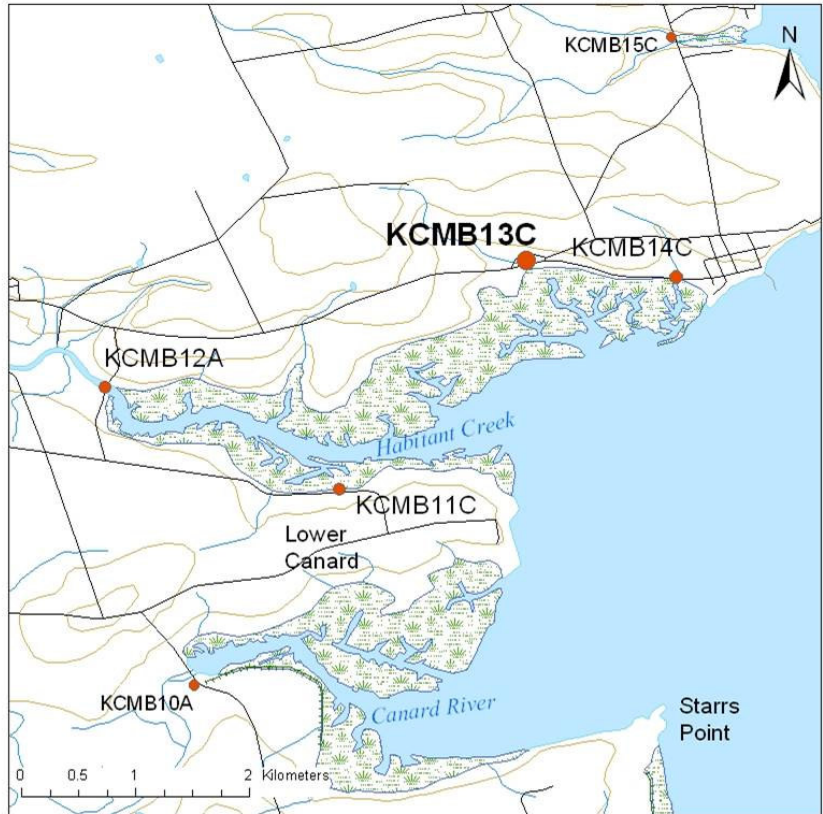




Figure 1. Downstream end of culvert at low tide.

Figure 2. Upstream of crossing showing rising tide.



Figure 3. Downstream of crossing on a wetland area and driveway culvert.

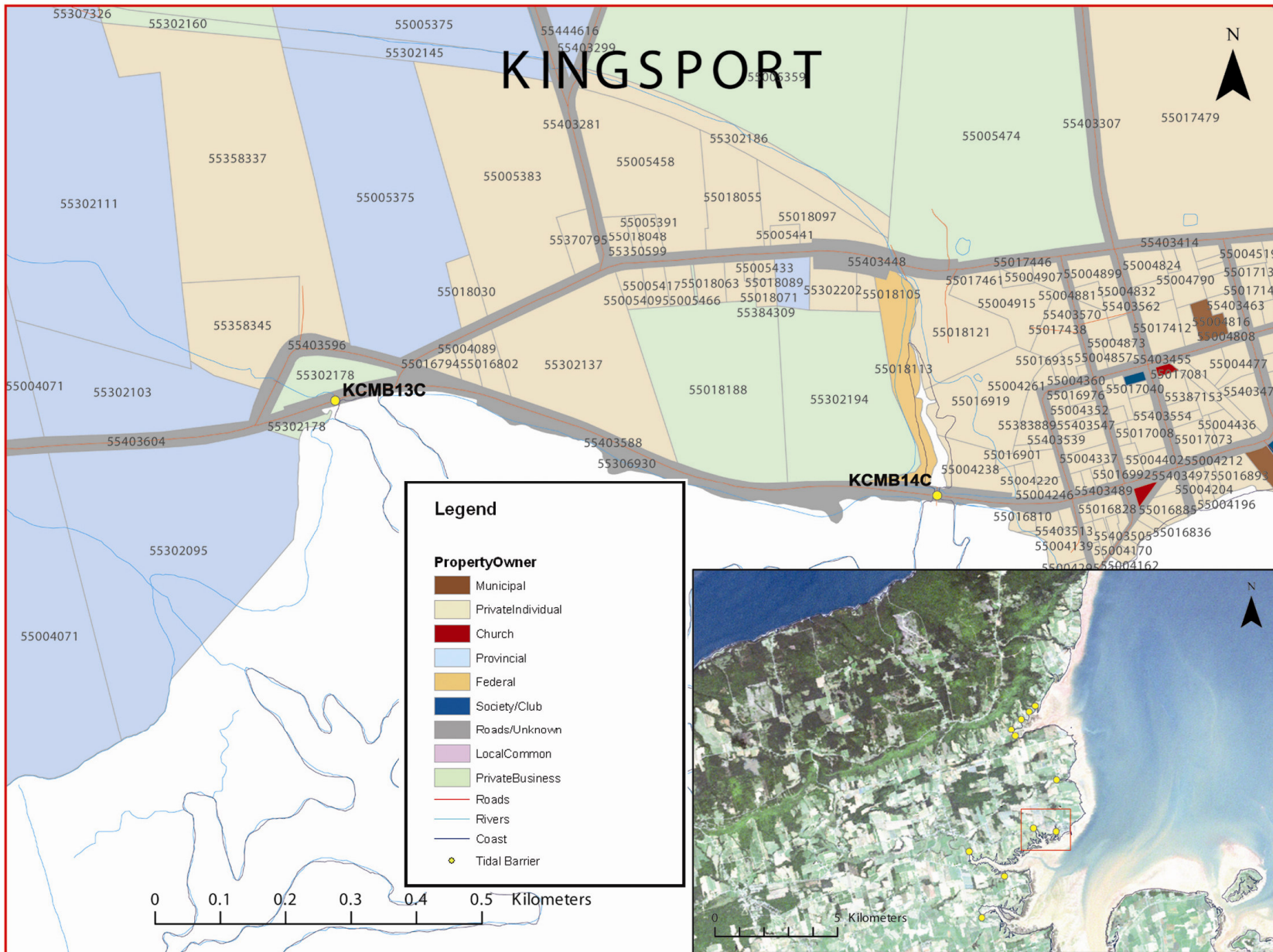


Figure 4: Property management and tidal barrier data for Nova Scotia (Service Nova Scotia, and Municipal Relations)



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