

Site KCMB 10A: Wellington Dyke

Date Assessed: 04/09/03, 05/12/03

GPS Coordinates: N 45° 07' 36''
W 64° 24' 13''

Crossing Status: Complete restriction.

Road Crossing: Dyke with 7m wide aboiteau.

Crossing Condition: Structure is intact.

Restriction Indicators:

- Difference in water levels
- Bank slumping
- Difference in stream width
- Aboiteau/tide gate
- Vegetation differences
- Slack water
- Scour pool
- Divergent channel

Downstream of Crossing

Creek: Mouth of the Canard River.

Land: Combination of tidal marsh and dyked agricultural land.

Upstream of Crossing

Creek: 10m wide freshwater creek.

Land: Agricultural land.

Comments: Road crosses over the top of the Wellington Dyke that crosses near the mouth of the Canard River and protecting approximately 3030 acres of land from high tide. This river was originally dyked in 1812 and the landuse upstream continues to be actively farmed to this day. Restoration of tidal flow and salt marsh habitat is unlikely but the issue of fish passage should be examined.

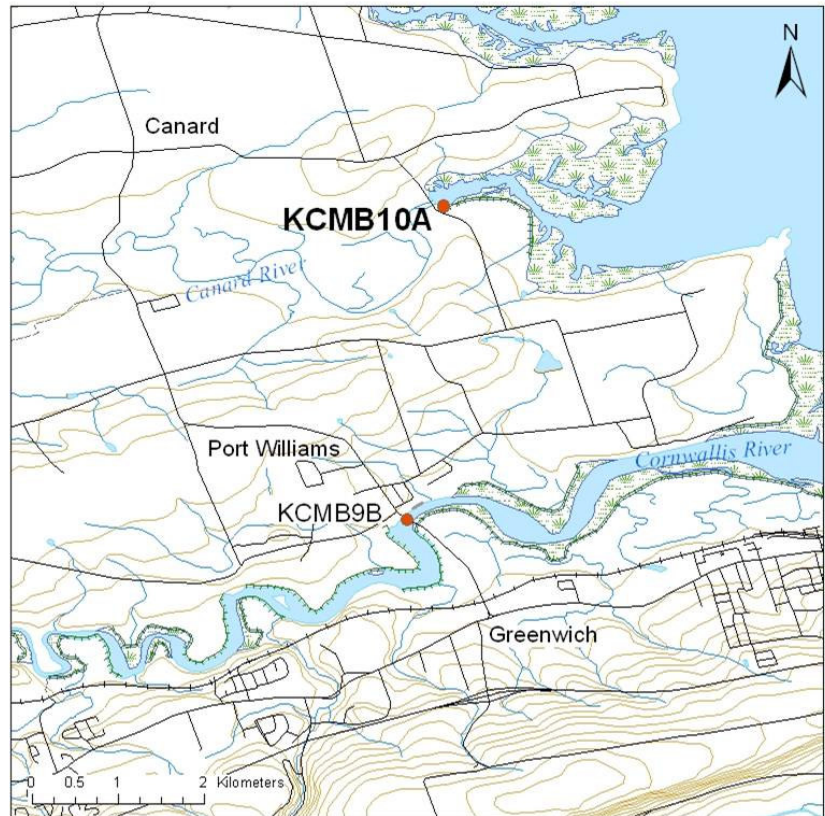




Figure 1. The sign for the Wellington Dyke indicating the amount of area being protected.



Figure 2. Upstream farmland being protected by the dyke and aboiteau. The creek is fresh water.



Figure 3. Downstream channel and dykelands. There is a small amount of salt marsh in front of the dykes.



Figure 4. Upstream end of aboiteau.

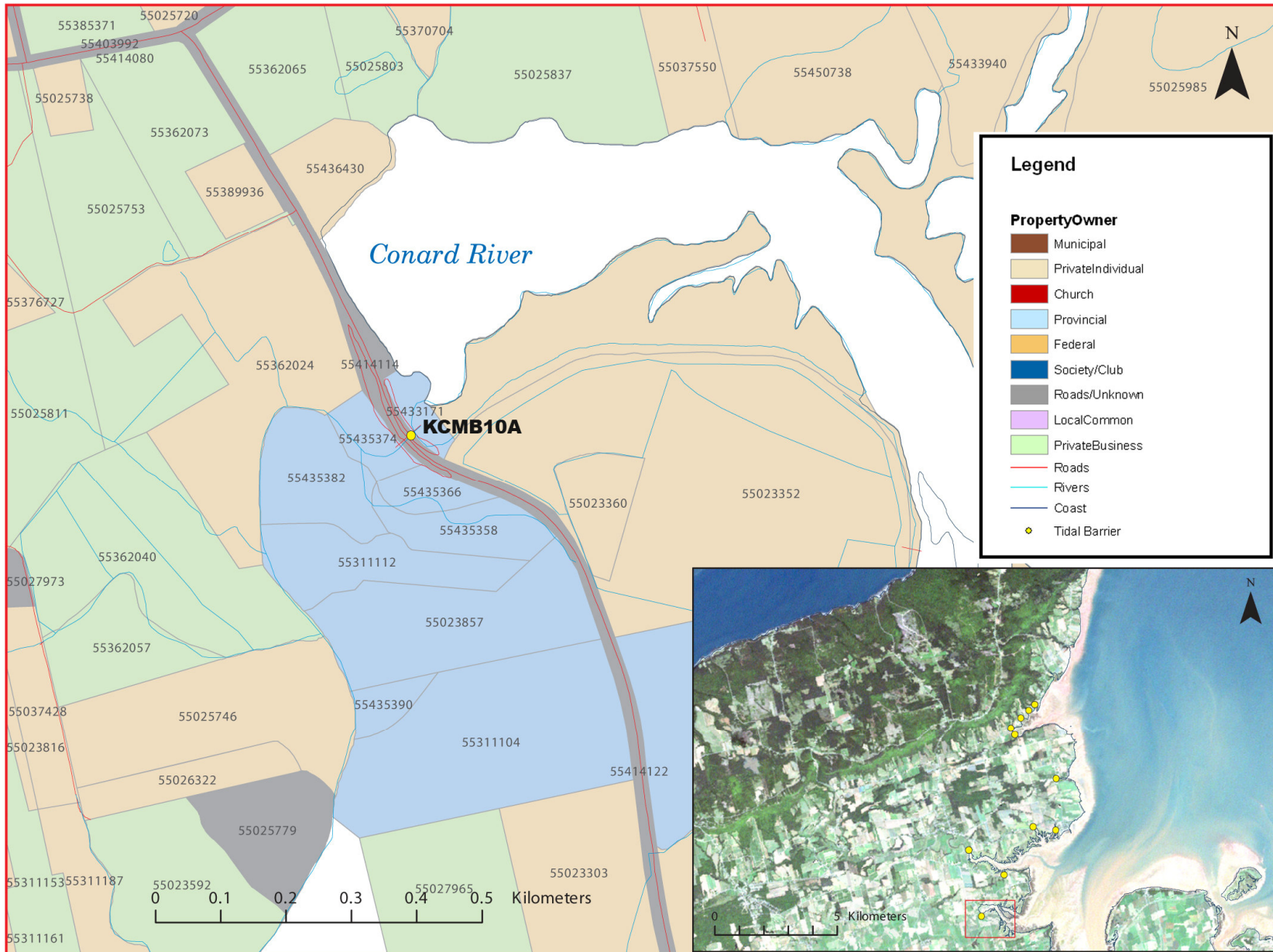


Figure 5: Property management and tidal barrier data for Nova Scotia (Service Nova Scotia, and Municipal Relations)



Figure 6: 2002
Aerial photograph
containing tidal
barrier data,
(1: 10,000)