

Site KCMB 15C: Bass Creek Brook (Medford)

Date Assessed: 03/08/04

GPS Coordinates: N 45° 10' 40.0''
W 64° 21' 58.4''

Crossing Status: Partially restricted

Road Crossing: 1.5m corrugated culvert

Crossing Condition: Intact

Restriction Indicators:

- Difference in water levels
- Turbulent water flow
- Difference in stream width
- Divergent channel
- Scour pool
- Hanging culvert
- Bank Slumping

Downstream of Crossing

Creek: Mouth of Bass Creek Brook

Land: Salt marsh, upland is mix of wood and agriculture.

Upstream of Crossing

Creek: Large pool in front of culvert with two divergent channels flowing from both left and right of crossing (1-2m in width each)

Land: Tidal wetland with adjacent woodland and agriculture.

Comments: Crossing is a two lane causeway-culvert structure that significantly restricts tidal flow and fish passage to the upper reaches of the river system. A larger crossing could increase tidal flow and improve fish passage and upstream habitat conditions and extend.

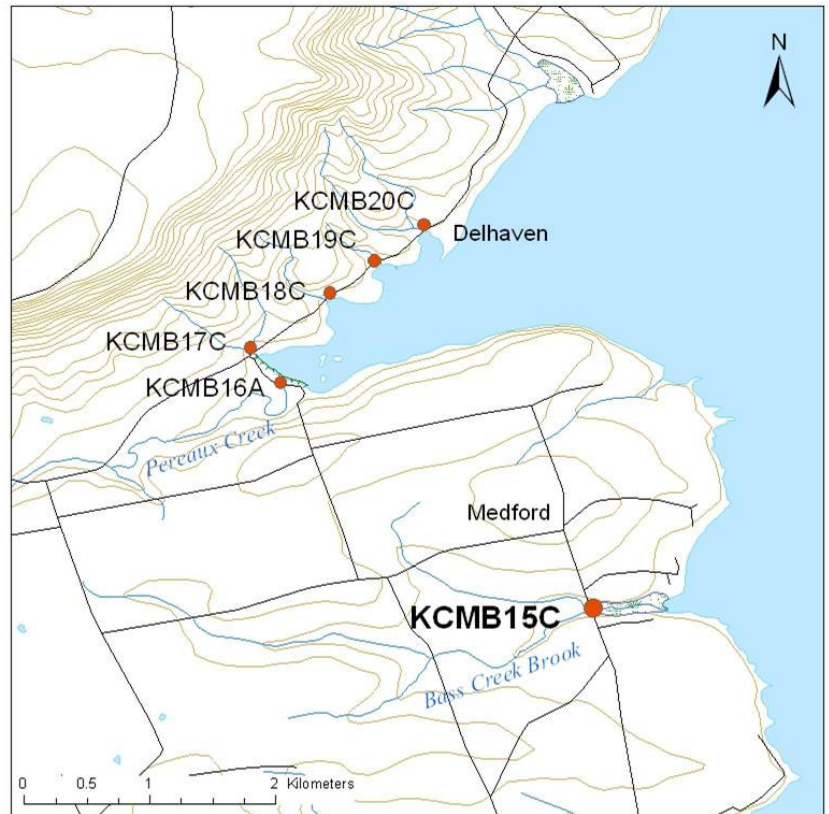


Figure 1. Upstream of crossing, large scour pool, stream branches off in two directions.



Figure 2.Downstream of crossing

Figure 3. Downstream end of culvert



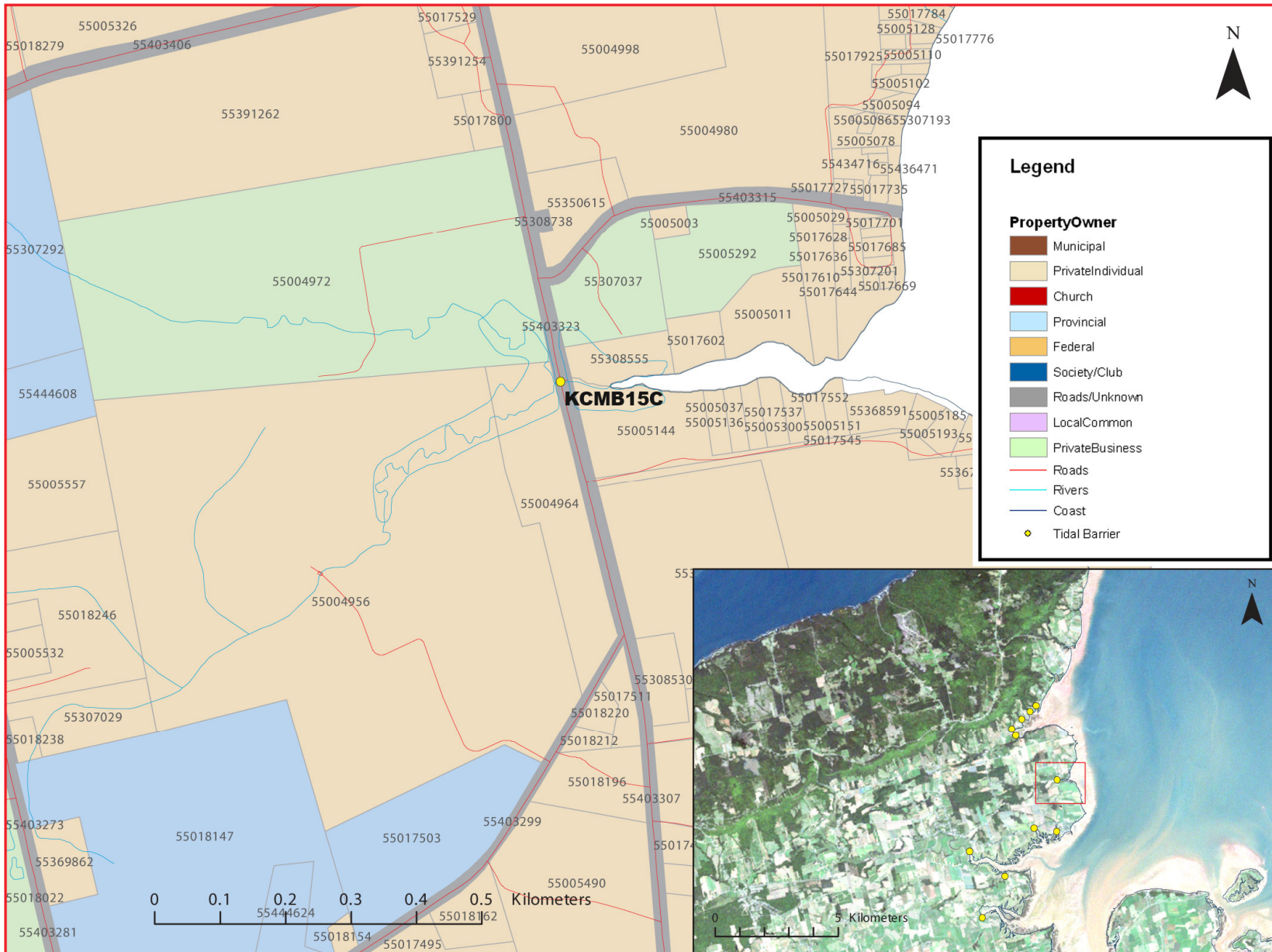


Figure 4:
Property management and tidal barrier data for Nova Scotia (Service Nova Scotia, and Municipal Relations)



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