

Site DC 45B: Cape St. Mary's

Date Assessed: 26/08/04

GPS Coordinates: N 44° 05' 27.12''
W 66° 11' 40.62''

Crossing Status: Partial restriction

Road Crossing: Bridge (wooden), 5m

Crossing Condition: Intact

Restriction Indicators:

- Difference in water levels
- Bank slumping
- Difference in stream width
- Slack water
- Scour pool
- Divergent channel

Downstream of Crossing

Creek: Channel has been diverted to this crossing which opens up onto the beach/ocean. Channel is 4m wide at mouth of bridge which has wooden structures extending 6m out along the edges of the creek. There are large boulders around base of crossing.

Land: Beach.

Upstream of Crossing

Creek: Stream width is approximately 25m right at crossing opening where there is a large scour pool and bank slumping is occurring. Channel makes a sharp turn from the scour pool leading to a number of crossings upstream.

Land: Salt marsh.

Comments: This stream has been channeled through the crossing which is partially restricting tidal flow. Opening should be widened and replaced in line with the natural channel. If this occurs upstream crossing would need to be reassessed.

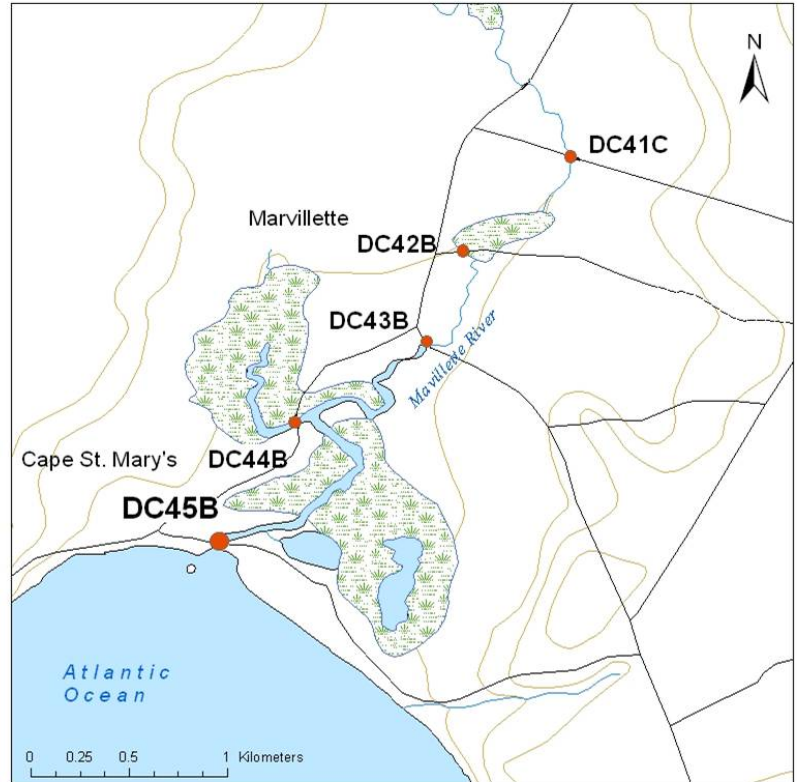




Figure 1 and Figure 2. Downstream view of crossing



Figure 3. Upstream view of crossing. Large boulders support the banks from erosion.



Figure 4. Upstream marsh system. There is a large scour pool where channel diverges.

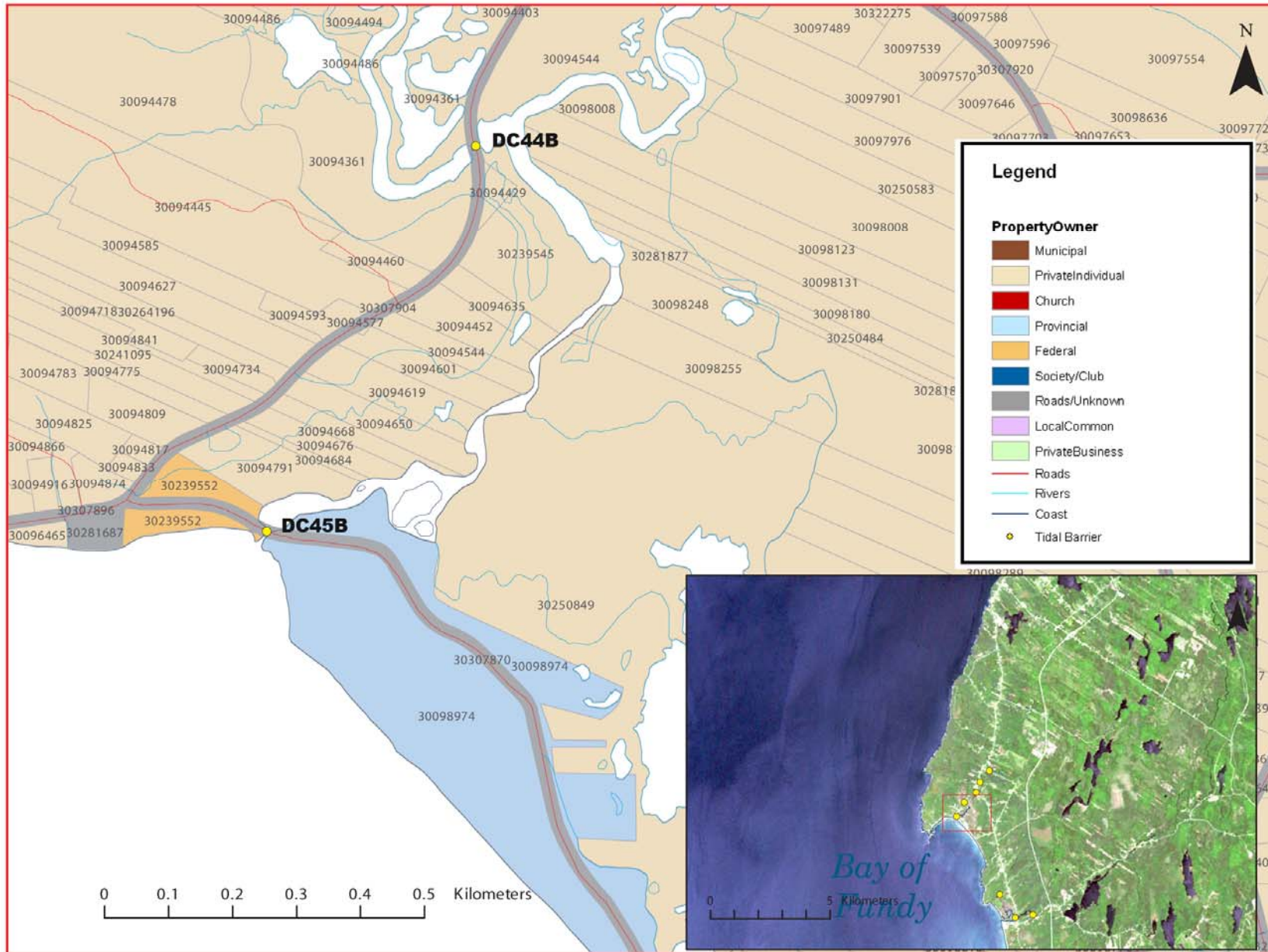


Figure 5: Property management and tidal barrier data for Nova Scotia (Service Nova Scotia, and Municipal Relations)