



**Subject:** Barneys Brook - Flood Risk Mitigation Study  
**To:** Executive Committee  
**Date Prepared:** June, 2026  
**Related Motions:** n/a  
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**Approved by:** Jesse Hulsman, Director of Infrastructure & Operations

### Summary

“Barneys Brook - Flood Risk Mitigation Study”, described as approximately 8.5 km in reach length, extending from the intersection of Barneys Brook and Nova Scotia Trunk 14 to the confluence of Barneys Brook with the Shubenacadie River.

The purpose of the study was to map flood extents within the study area to identify flood risk zones, and identify any undersized or damaged culverts along the extents.

### Key Highlight:

The CN Rail culvert near the outlet of Barneys Brook is a major contributor to flooding. Upgrading the culvert could reduce peak flood levels by up to 3.1 m under severe storm conditions and should be prioritized.

### Financial Impact Statement

There are no immediate financial impacts with the adoption of this report.

### Recommendation

Staff recommend that Council share the Barneys Brook Flood Mitigation Study with CN Rail, MP Blois and MLA MacDonald in anticipation of future collaboration on flood mitigation.

### Recommended Motion

***Move that the Infrastructure & Operations Committee Recommend to Council that the Barneys Brook Flood Mitigation Study presented at the June 2026 meeting of East Hants Executive Committee be shared with; CN Rail, MP Blois, MLA MacDonald, that a letter be sent to MP Blois requesting Federal support in championing a Culvert Expansion project in collaboration with CN as per the sizing recommendations in the report, and that Municipal staff setup a report overview with Nova Scotia Department of Public Works technical staff.***