

Rains and rising tides!



STEMMING THE TIDE

Much of our community sits along a shoreline that is expected to rise between one and four feet this century. The Town is planning to protect our waterfront infrastructure but we will require Provincial and Federal assistance to make it happen.

CULVERTS, DITCHES, & BROOKS, OH MY!

Stormwater drains into the harbour through brooks, streams, and ditches. Town crews work hard to maintain our culverts, storm drains, and bridges. Residents play a key role, managing stormwater on their properties.



LIVING SHORELINE

Storm surge can wreak havoc on unprepared coastline. Breakwaters and living shoreline improvements can blunt wave impacts. We can protect our coastal assets from erosion while enhancing the environment and marine habitat.

Together we can weather this storm!

Managing stormwater is an increasing challenge and one the Town cannot undertake on its own. With residents making an effort to reduce stormwater impacts on their neighbours and Federal and Provincial funds to support improving our shorelines and protecting our downtown and our iconic churches, together we can adapt to the impacts of climate change and keep our heads above water.

Stormwater Assets



STORMWATER ASSETS AT A GLANCE

Mahone Bay's stormwater management network includes:

- 8 km of Drain Channels (\$625,502)
- 3 km of Storm Mains (\$1,484,342)
- 2 km of Culverts (\$916,050)
- 53 Outfalls (\$363,475)
- 14 Storm Manholes (\$130,200)
- 107 Catch Basins (\$497,550)

Values are estimated replacement value

KEY 2020-21 CAPITAL PROJECTS:

- \$3,498,000 for Edgewater Street shoreline improvement – living shoreline (waiting on confirmation of Provincial / Federal funding)

SEPARATE SYSTEMS

When Mahone Bay's original sewer system was installed in 1949 the notion of sewer treatment wasn't on the horizon, outfalls went directly into the harbour. Residents were encouraged to take advantage of the new system to drain their properties, and the Town used it to keep streets and sidewalks dry.

When the treatment plant was built in the late 1980's the old outfalls were connected to the plant, and all the stormwater from streets and private properties was now being pumped and treated at taxpayers' expense. Separating these storm and sanitary systems and returning the rain water to the harbour will reduce costs and GHGs.

Did you know? Swamps hold rainwater and reduce flooding on private properties.

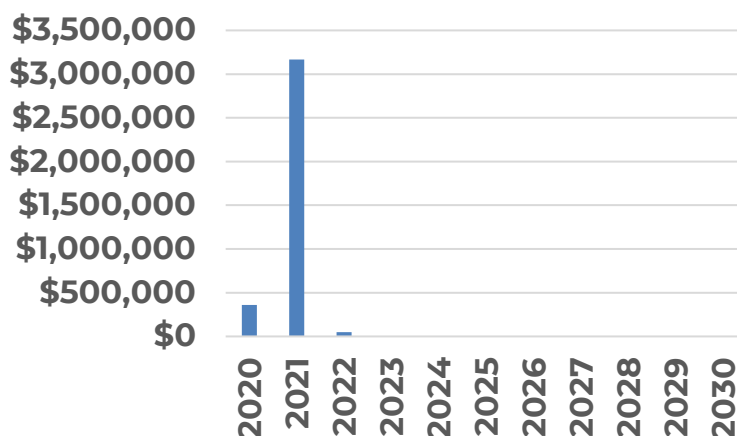
ASSET MANAGEMENT GOALS

- Coordinate stormwater infrastructure rehabilitation with replacement of water and wastewater lines; look for opportunities to separate stormwater from sanitary sewer
- Ensure existing Town infrastructure is protected from flooding and reduce impacts on private property (such as result when the sewer lift stations become flooded cannot function)

RISKS:

- Heavy rains and coastal erosion threatening private properties and public infrastructure
- New development and infill resulting in a reduction in absorptive / stormwater holding capacity

10-year Capital Investment Plan



Annual Infrastructure Charges to all dwellings and businesses in Mahone Bay:

2016	2017	2018	2019	2020
\$265	\$265	\$265	\$275	\$295

These Infrastructure Charges pay for important capital projects in wastewater, stormwater, transportation, etc.

Gas tax funding from the Federal government also supports Town infrastructure projects.