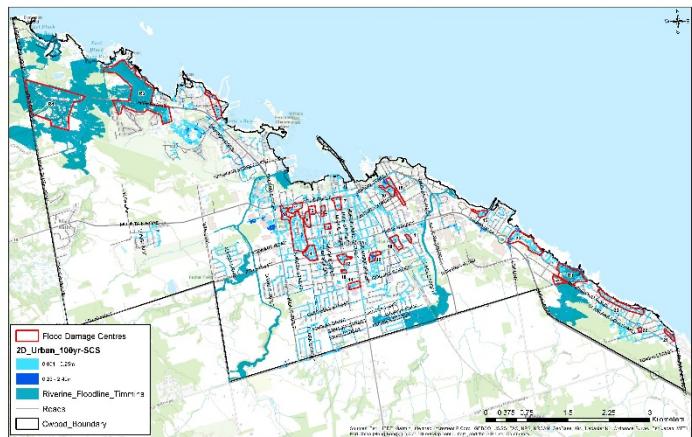
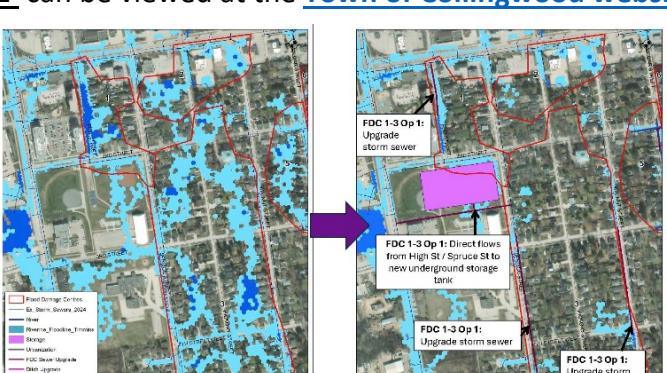




(NOTE: Media figure insert shown to the right includes article's hyperlink)



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|--|---|
| Project Name | Town of Collingwood - Stormwater Master Plan: Phases '1' and '2' |
| Start / End Dates | 2019 through 2026 |
| Project Values | \$350,000 (Phase '1': Completed) + \$350,000 (Phase '2': On-going) |
| Schedule | Phase '2': March 2026 (On Budget) |
| <p>NOTE: First line text to the right hyperlinked to 2019-2022 award winning project lead by GREENLAND®</p> | <p>Since 2003, GREENLAND® has completed many projects for the Town of Collingwood. In 2019, the Town retained GREENLAND® to develop comprehensive (existing condition) stormwater models (Phase '1') to better understand the state of stormwater infrastructure and any potential flood damage zones. GREENLAND® prepared Municipality-wide 2-D major-minor PCSWMM models, including mapping of every manhole and storm sewer, to accurately model stormwater flow and interactions in the major (overland) and minor systems (sewers). HEC-RAS was also used to develop a hydraulic model of all four (4) major watercourses. Impacted or near capacity areas were mapped to help inform future Capital Asset Management deliberations. GREENLAND® was later retained to complete Phase '2' of the Class E.A. Master Plan to develop a realistic and fiscally responsible strategy to mitigate existing and potential future flooding within the municipality. Phase '2' identified alternative solutions to address flooding issues and establish a preferred mitigations strategy. Upon project completion in March 2026, GREENLAND® will then serve as the Models' Keeper. Finally, complete information about Phases '1' and '2' can be viewed at the Town of Collingwood website.</p> |
| <p>Selected (Recent) Project Example</p> | <p>FDCs 1,2&3 Preliminary Preferred Solutions & Flooding Comparison</p>  <p>'Do Nothing' Option</p> <p>Preferred Project Implementation</p> <p>Legend:</p> <ul style="list-style-type: none"> Waste Drainage Services Ex. Storm Sewers, 2004 River Major, Minor, Private Roads Underground Older Sewer Older Storm 100Yr Flood Depth 0m < 0.5m 0.5m > 1.0m 1.0m > 1.5m 1.5m > 2.0m 2.0m > 2.5m 2.5m > 3.0m 3.0m > 3.5m 3.5m > 4.0m 4.0m > 4.5m 4.5m > 5.0m 5.0m > 5.5m 5.5m > 6.0m 6.0m > 6.5m 6.5m > 7.0m 7.0m > 7.5m 7.5m > 8.0m 8.0m > 8.5m 8.5m > 9.0m 9.0m > 9.5m 9.5m > 10.0m 10.0m > 10.5m 10.5m > 11.0m 11.0m > 11.5m 11.5m > 12.0m 12.0m > 12.5m 12.5m > 13.0m 13.0m > 13.5m 13.5m > 14.0m 14.0m > 14.5m 14.5m > 15.0m 15.0m > 15.5m 15.5m > 16.0m 16.0m > 16.5m 16.5m > 17.0m 17.0m > 17.5m 17.5m > 18.0m 18.0m > 18.5m 18.5m > 19.0m 19.0m > 19.5m 19.5m > 20.0m 20.0m > 20.5m 20.5m > 21.0m 21.0m > 21.5m 21.5m > 22.0m 22.0m > 22.5m 22.5m > 23.0m 23.0m > 23.5m 23.5m > 24.0m 24.0m > 24.5m 24.5m > 25.0m 25.0m > 25.5m 25.5m > 26.0m 26.0m > 26.5m 26.5m > 27.0m 27.0m > 27.5m 27.5m > 28.0m 28.0m > 28.5m 28.5m > 29.0m 29.0m > 29.5m 29.5m > 30.0m 30.0m > 30.5m 30.5m > 31.0m 31.0m > 31.5m 31.5m > 32.0m 32.0m > 32.5m 32.5m > 33.0m 33.0m > 33.5m 33.5m > 34.0m 34.0m > 34.5m 34.5m > 35.0m 35.0m > 35.5m 35.5m > 36.0m 36.0m > 36.5m 36.5m > 37.0m 37.0m > 37.5m 37.5m > 38.0m 38.0m > 38.5m 38.5m > 39.0m 39.0m > 39.5m 39.5m > 40.0m 40.0m > 40.5m 40.5m > 41.0m 41.0m > 41.5m 41.5m > 42.0m 42.0m > 42.5m 42.5m > 43.0m 43.0m > 43.5m 43.5m > 44.0m 44.0m > 44.5m 44.5m > 45.0m 45.0m > 45.5m 45.5m > 46.0m 46.0m > 46.5m 46.5m > 47.0m 47.0m > 47.5m 47.5m > 48.0m 48.0m > 48.5m 48.5m > 49.0m 49.0m > 49.5m 49.5m > 50.0m 50.0m > 50.5m 50.5m > 51.0m 51.0m > 51.5m 51.5m > 52.0m 52.0m > 52.5m 52.5m > 53.0m 53.0m > 53.5m 53.5m > 54.0m 54.0m > 54.5m 54.5m > 55.0m 55.0m > 55.5m 55.5m > 56.0m 56.0m > 56.5m 56.5m > 57.0m 57.0m > 57.5m 57.5m > 58.0m 58.0m > 58.5m 58.5m > 59.0m 59.0m > 59.5m 59.5m > 60.0m 60.0m > 60.5m 60.5m > 61.0m 61.0m > 61.5m 61.5m > 62.0m 62.0m > 62.5m 62.5m > 63.0m 63.0m > 63.5m 63.5m > 64.0m 64.0m > 64.5m 64.5m > 65.0m 65.0m > 65.5m 65.5m > 66.0m 66.0m > 66.5m 66.5m > 67.0m 67.0m > 67.5m 67.5m > 68.0m 68.0m > 68.5m 68.5m > 69.0m 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104.0m > 104.5m 104.5m > 105.0m 105.0m > 105.5m 105.5m > 106.0m 106.0m > 106.5m 106.5m > 107.0m 107.0m > 107.5m 107.5m > 108.0m 108.0m > 108.5m 108.5m > 109.0m 109.0m > 109.5m 109.5m > 110.0m 110.0m > 110.5m 110.5m > 111.0m 111.0m > 111.5m 111.5m > 112.0m 112.0m > 112.5m 112.5m > 113.0m 113.0m > 113.5m 113.5m > 114.0m 114.0m > 114.5m 114.5m > 115.0m 115.0m > 115.5m 115.5m > 116.0m 116.0m > 116.5m 116.5m > 117.0m 117.0m > 117.5m 117.5m > 118.0m 118.0m > 118.5m 118.5m > 119.0m 119.0m > 119.5m 119.5m > 120.0m 120.0m > 120.5m 120.5m > 121.0m 121.0m > 121.5m 121.5m > 122.0m 122.0m > 122.5m 122.5m > 123.0m 123.0m > 123.5m 123.5m > 124.0m 124.0m > 124.5m 124.5m > 125.0m 125.0m > 125.5m 125.5m > 126.0m 126.0m > 126.5m 126.5m > 127.0m 127.0m > 127.5m 127.5m > 128.0m 128.0m > 128.5m 128.5m > 129.0m 129.0m > 129.5m 129.5m > 130.0m 130.0m > 130.5m 130.5m > 131.0m 131.0m > 131.5m 131.5m > 132.0m 132.0m > 132.5m 132.5m > 133.0m 133.0m > 133.5m 133.5m > 134.0m 134.0m > 134.5m 134.5m > 135.0m 135.0m > 135.5m 135.5m > 136.0m 136.0m > 136.5m 136.5m > 137.0m 137.0m > 137.5m 137.5m > 138.0m 138.0m > 138.5m 138.5m > 139.0m 139.0m > 139.5m 139.5m > 140.0m 140.0m > 140.5m 140.5m > 141.0m 141.0m > 141.5m 141.5m > 142.0m 142.0m > 142.5m 142.5m > 143.0m 143.0m > 143.5m 143.5m > 144.0m 144.0m > 144.5m 144.5m > 145.0m 145.0m > 145.5m 145.5m > 146.0m 146.0m > 146.5m 146.5m > 147.0m 147.0m > 147.5m 147.5m > 148.0m 148.0m > 148.5m 148.5m > 149.0m 149.0m > 149.5m 149.5m > 150.0m 150.0m > 150.5m 150.5m > 151.0m 151.0m > 151.5m 151.5m > 152.0m 152.0m > 152.5m 152.5m > 153.0m 153.0m > 153.5m 153.5m > 154.0m 154.0m > 154.5m 154.5m > 155.0m 155.0m > 155.5m 155.5m > 156.0m 156.0m > 156.5m 156.5m > 157.0m 157.0m > 157.5m 157.5m > 158.0m 158.0m > 158.5m 158.5m > 159.0m 159.0m > 159.5m 159.5m > 160.0m 160.0m > 160.5m 160.5m > 161.0m 161.0m > 161.5m 161.5m > 162.0m 162.0m > 162.5m 162.5m > 163.0m 163.0m > 163.5m 163.5m > 164.0m 164.0m > 164.5m 164.5m > 165.0m 165.0m > 165.5m 165.5m > 166.0m 166.0m > 166.5m 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198.0m 198.0m > 198.5m 198.5m > 199.0m 199.0m > 199.5m 199.5m > 200.0m 200.0m > 200.5m 200.5m > 201.0m 201.0m > 201.5m 201.5m > 202.0m 202.0m > 202.5m 202.5m > 203.0m 203.0m > 203.5m 203.5m > 204.0m 204.0m > 204.5m 204.5m > 205.0m 205.0m > 205.5m 205.5m > 206.0m 206.0m > 206.5m 206.5m > 207.0m 207.0m > 207.5m 207.5m > 208.0m 208.0m > 208.5m 208.5m > 209.0m 209.0m > 209.5m 209.5m > 210.0m 210.0m > 210.5m 210.5m > 211.0m 211.0m > 211.5m 211.5m > 212.0m 212.0m > 212.5m 212.5m > 213.0m 213.0m > 213.5m 213.5m > 214.0m 214.0m > 214.5m 214.5m > 215.0m 215.0m > 215.5m 215.5m > 216.0m 216.0m > 216.5m 216.5m > 217.0m 217.0m > 217.5m 217.5m > 218.0m 218.0m > 218.5m 218.5m > 219.0m 219.0m > 219.5m 219.5m > 220.0m 220.0m > 220.5m 220.5m > 221.0m 221.0m > 221.5m 221.5m > 222.0m 222.0m > 222.5m 222.5m > 223.0m 223.0m > 223.5m 223.5m > 224.0m 224.0m > 224.5m 224.5m > 225.0m 225.0m > 225.5m 225.5m > 226.0m 226.0m > 226.5m 226.5m > 227.0m 227.0m > 227.5m 227.5m > 228.0m 228.0m > 228.5m 228.5m > 229.0m 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From: [Sonya Skinner](#)
To: [Mark Palmer](#); [Don Moss](#); [Kirsten McFarlane](#); [Jim Hartman](#) [Peggy Slama](#); [John Velick](#); [Stuart West](#)
Cc:
Subject: **Master Stormwater Management Report - Collingwood**
Date: February 15, 2022 8:42:28 AM
Attachments:

Hi Jim, Don, Kirsten and Mark,

Thank you. Your team did a great job conveying the output of your work to Development Committee last night. I think the analysis was well understood by Members, and that there is confidence in the approach you have taken to the work. This topic is very important for Collingwood, and it is great to have this intelligent analysis from which to continue to leap forward.

Sincerely,

Sonya



Sonya G. Skinner, P.Eng. McSc. Eng.

Chief Administrative Officer

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