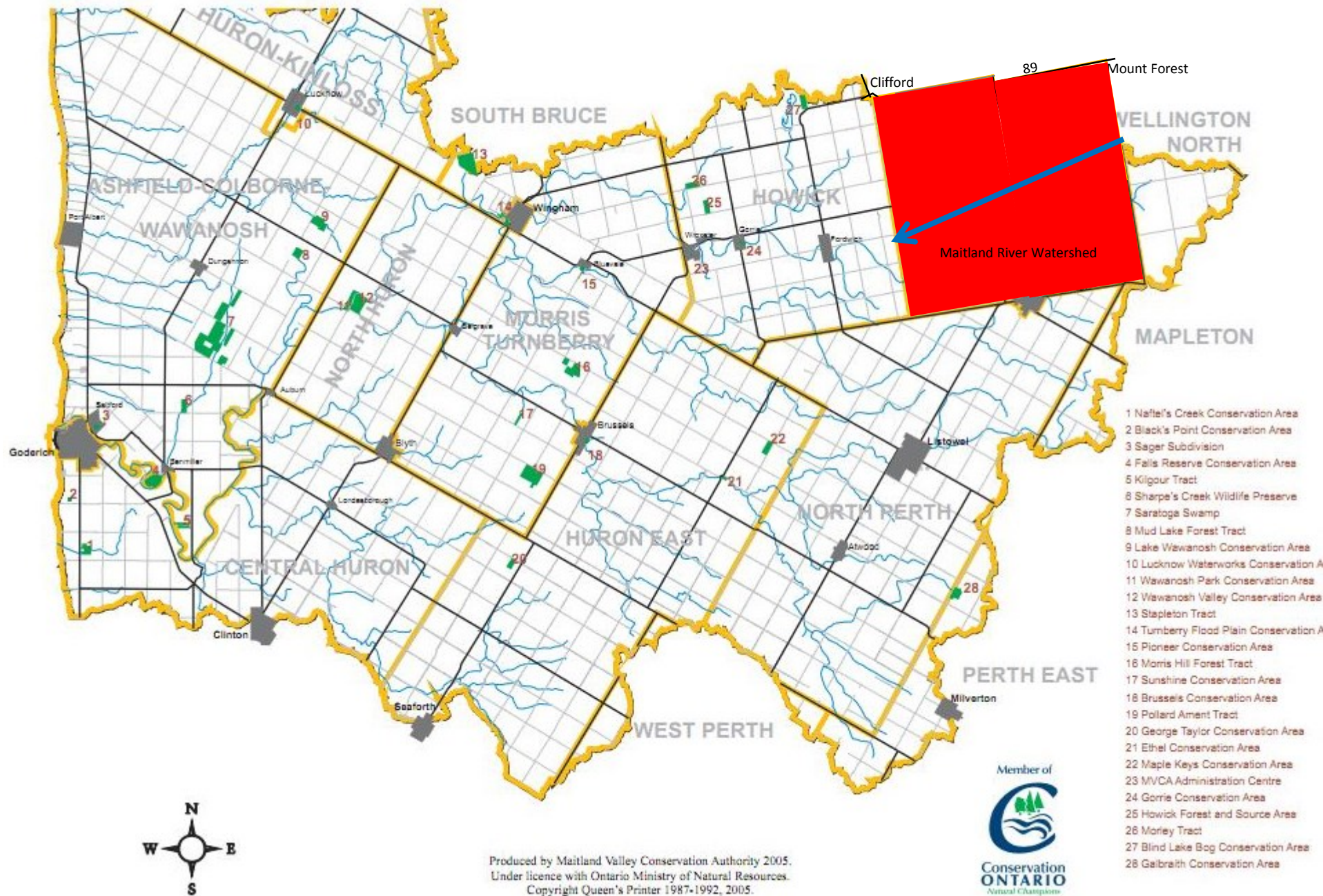
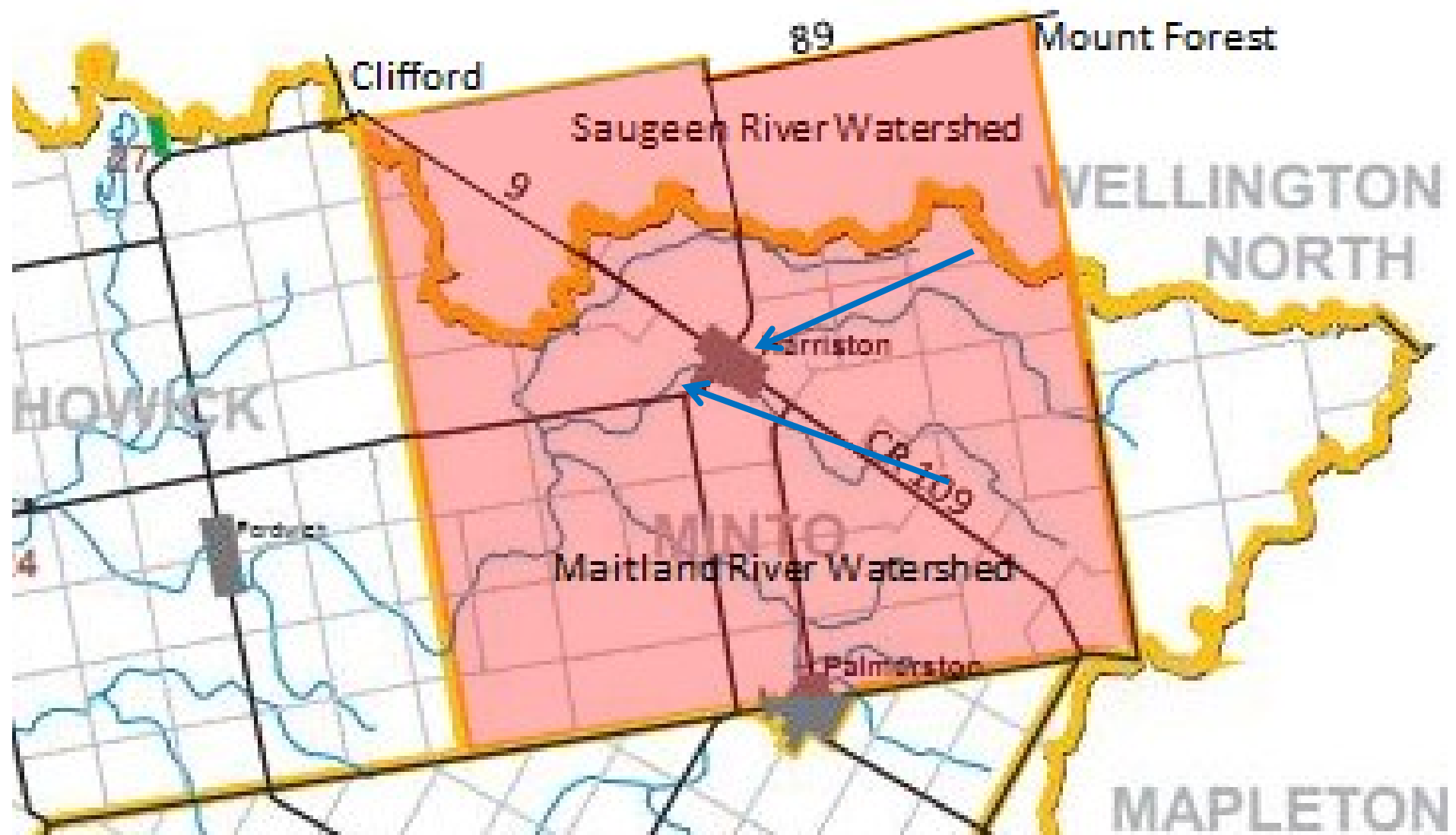




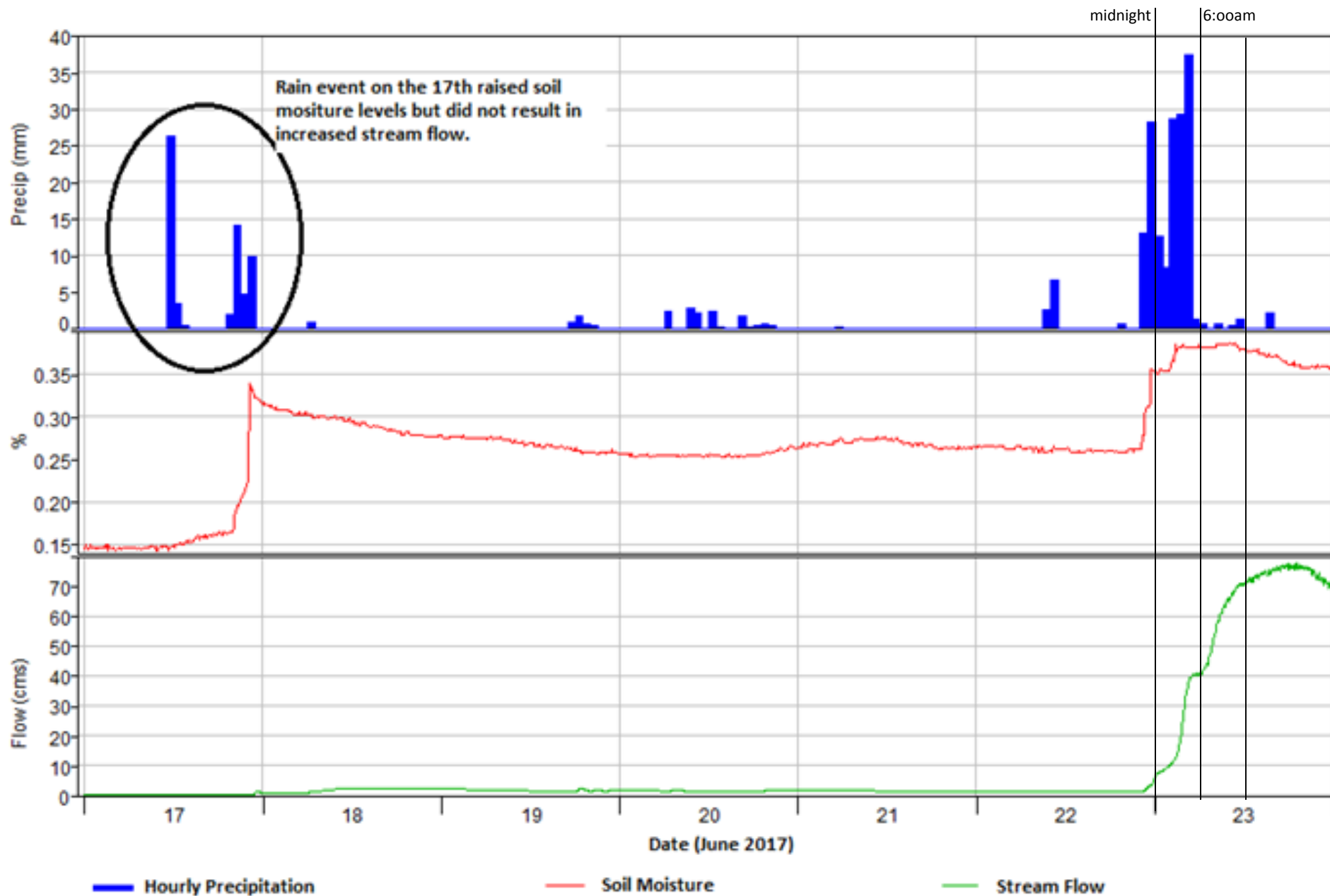
Town of Minto Maitland River Flood Event June 23

February 16, 2018 Update

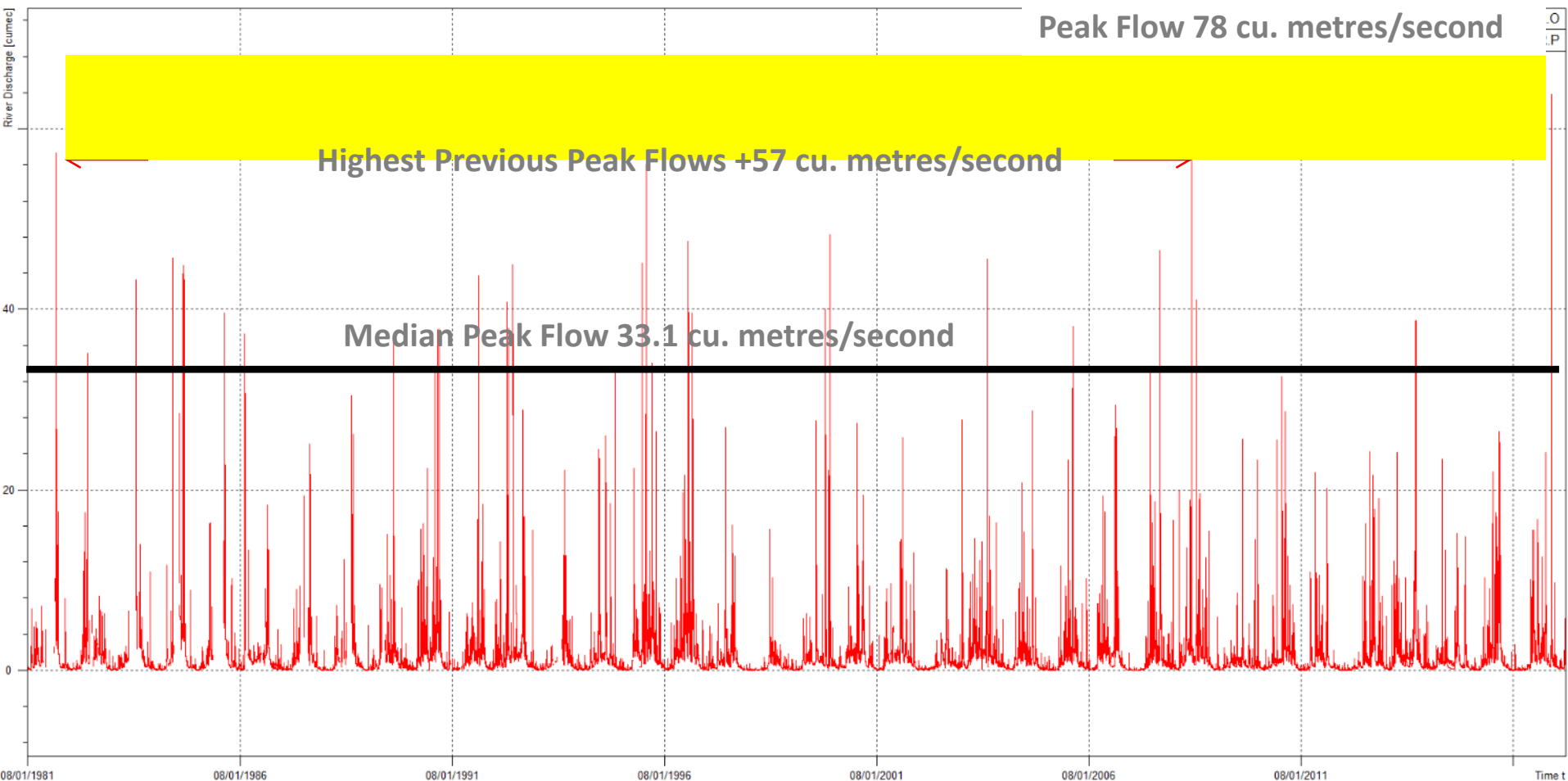




RAIN AND SOIL MOISTURE LEADING UP TO THE FLOOD



Peak Flows 1986-2017





Storm Summary

- Rain began after 9pm with 40mm by midnight plus 20mm more before 4:00am
- Weather network ticker 35mm in one hour Mount Forest shortly after midnight
- Between 4:00am and 6:00am **95mm of rain**
- Total 170mm (“7 inches in 7 hours”), but more than half that in 2 hours between 4:00am and 6:00am
- Initial storm sewer back up floods roads then recedes
- River rises and is over the banks by 9:00am
- Peaks at around 6:00pm

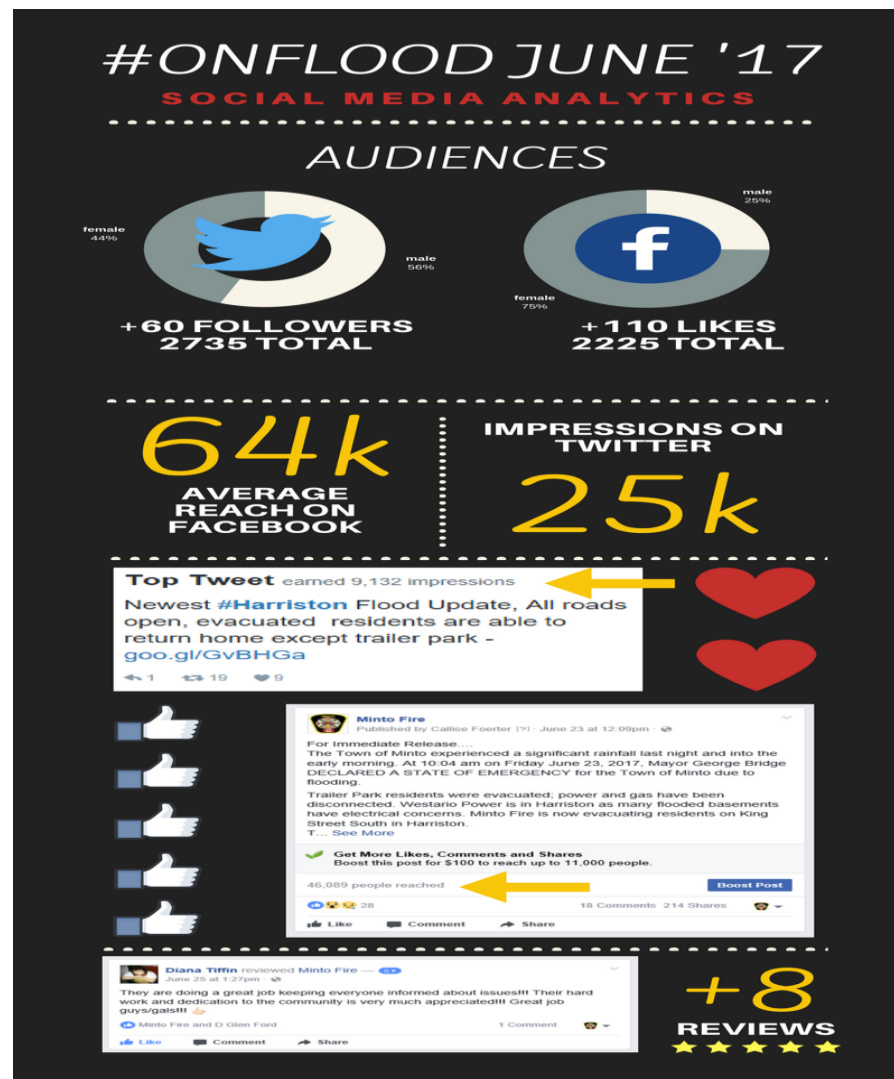


Storm Summary

- 6 homes evacuated using the water rescue team
- water rescue team deployed to disconnect hydro services in jeopardy of going under water
- Water receded to within the floodway by Saturday morning; all roads open Saturday afternoon
- 542 staff hours used during 2 days of main event
- Numerous basements back yards pumped out
- Fire hall used as hub during event for people to pick up water and report occurrences

Storm Summary

- Five EOC meetings in 3 days
- 11 media releases (9 in 3 days)
- Increase @TownofMinto & @MintoFire social media
- 3 media events; firehall (morning); a conference call (afternoon) & on-site (evening)
- CAO 5:37am - 11:03pm
285+ electronic interactions, 420 Friday - Sunday

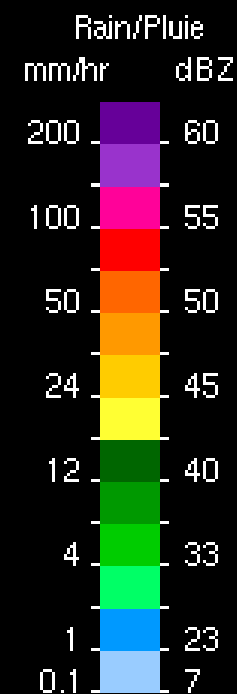




0420 UTC
2017-06-23

Scale/Échelle:
1km/Pixel

40 KM



PRECIPET

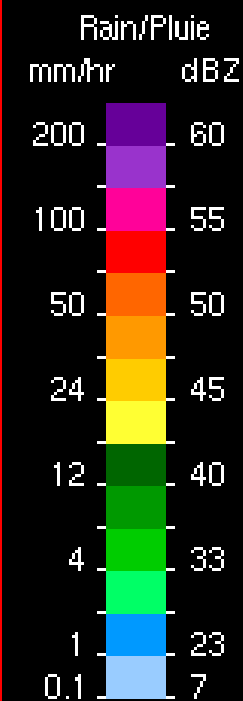
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0830 UTC
2017-06-23

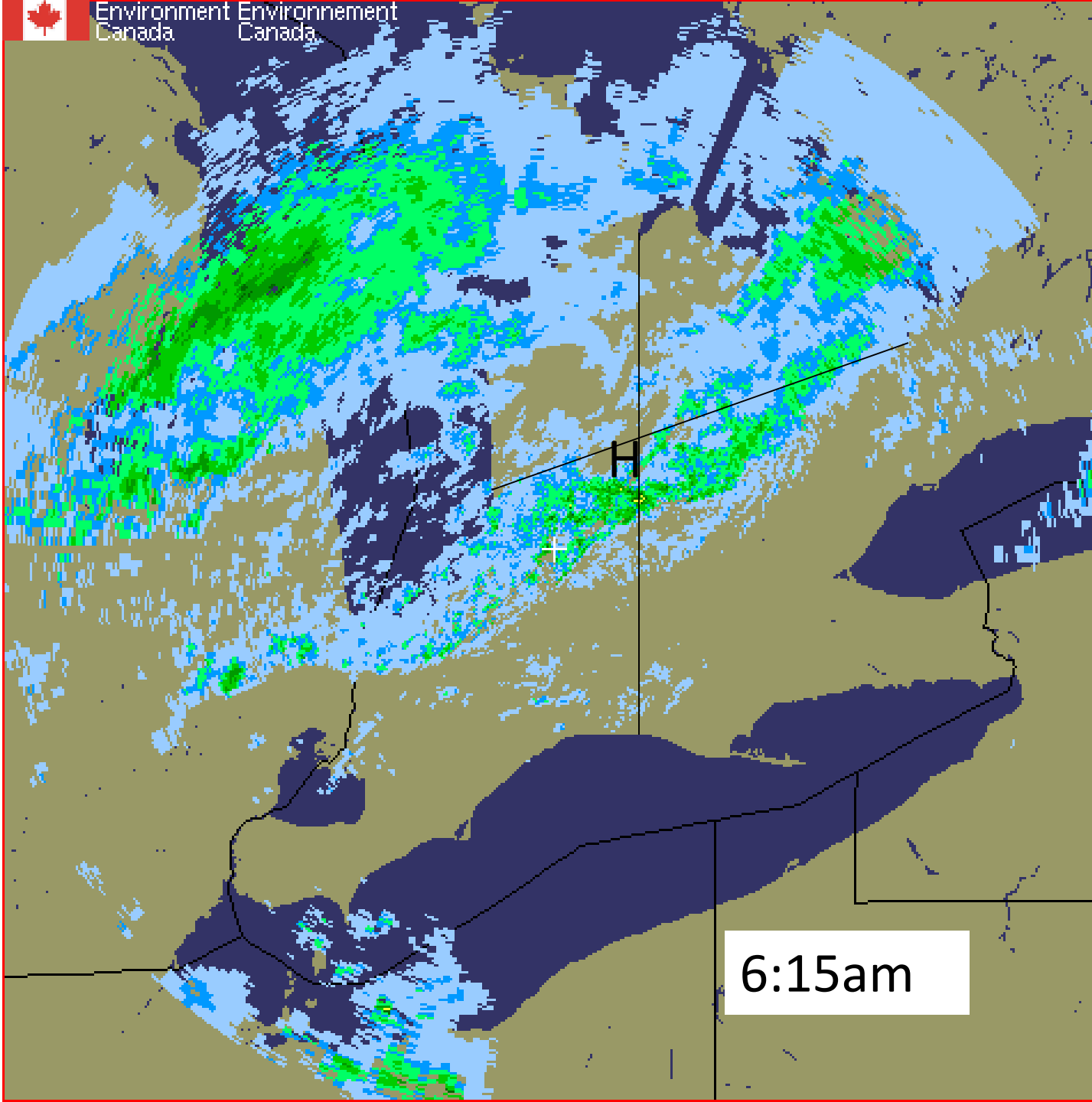
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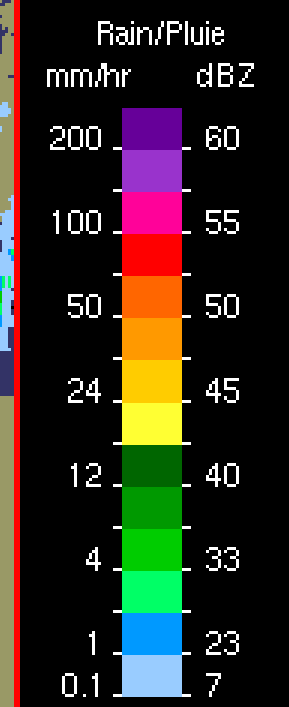
PRECIPET

4:30am



Exeter
WSO
1000 UTC
2017-06-23

Scale/Échelle:
1km/Pixel
40 KM



PRECIPET









Google

Image capture: Jul 20





















Google





Since June 23, 2017

- Recovery , contractors, insurance, disaster relief
- July 26/17 formal event debrief held with discussion and reporting: what went well & lessons learned
- August 1/17 Council receives drain update report noting impact of flood, and agrees to apply for Flood Mapping, Mitigation Planning analysis under National Disaster Mitigation Program
- Debrief notes included in County After Action Report received by Council September 5
- Initial Fall Public Meeting on flood reconsidered



On-going efforts 2

- MVCA working on flow monitoring and model; in field recovery by citizens still occupying considerable time
- County CEMC Linda Dickson and Treasurer Duff completed NDMP application and filed with Federal Government; Provincial Municipal Affairs supported November 3, 2017
- December 12 Operating Budget NDMP funding for grant related work \$66,000 of \$132,000 project
- December 19, 2017 Drain update Council still pending decision on NDMP grant and timing for public meeting
- January 25, 2018 MVCA staff, County and Town staff meet to discuss grant and timing for public meeting



On-going efforts 3

- Decision on NDRP grant is still pending; expected any time; \$66,000 in draft 2018 budget
- LIDAR mapping should be flowing in March, seek Council direction to proceed even if grant is not approved
- MVCA hydrology model using data collected from the June 23 flood (expanded gauge program) predicts flows for Regional Storm (Hurricane Hazel) will be less than modelled flow used for existing flood maps
- Hurricane Hazel flow will be higher than June 23, 2017 storm, but not as high as that used to set floodplains used in the current zoning bylaw





Public Meeting

- MVCA, County and Town staff suggest Public Meeting on May 29, 2018 7:00pm Harriston Minto Community Complex covering the following:
 - What happened (MVCA presentation)
 - Response (MVCA and Town presentation)
 - What's next (joint presentation)
 - Fly LIDAR (aerial photography +/-50,000)
 - Set Hydrology Model
 - Assess solutions: Upstream of Harriston, In Harriston; Downstream of Harriston
 - After presentation public can visit with Town, County MVCA staff



After Public Meeting

- Summer/fall 2018 encouraged to think about upstream, in Harriston, downstream solutions
- Engineering analysis/report using new draft flood plain mapping assuming NDMP grant approved
- November follow up public meeting, new draft flood plain maps; discussion opportunity about possible solutions upstream, in Harriston, and downstream
- Budget 2019 develop/implement project plan to mitigate impact upstream, Harriston and downstream
- Floodplain mapping implementation into planning documents; change the zoning bylaw



Recommendation

That Council receives the February 16, 2018 Presentation from the CAO Clerk regarding the June 23, 2017 Maitland River Flood, that Council supports the schedule of events outlined including the May 29, 2018 public meeting, and that Council consent to the LIDAR imagery work proceeding in March 2018.