

Flood Mitigation Program Update

Presenter: Matthew Hough, DCAO

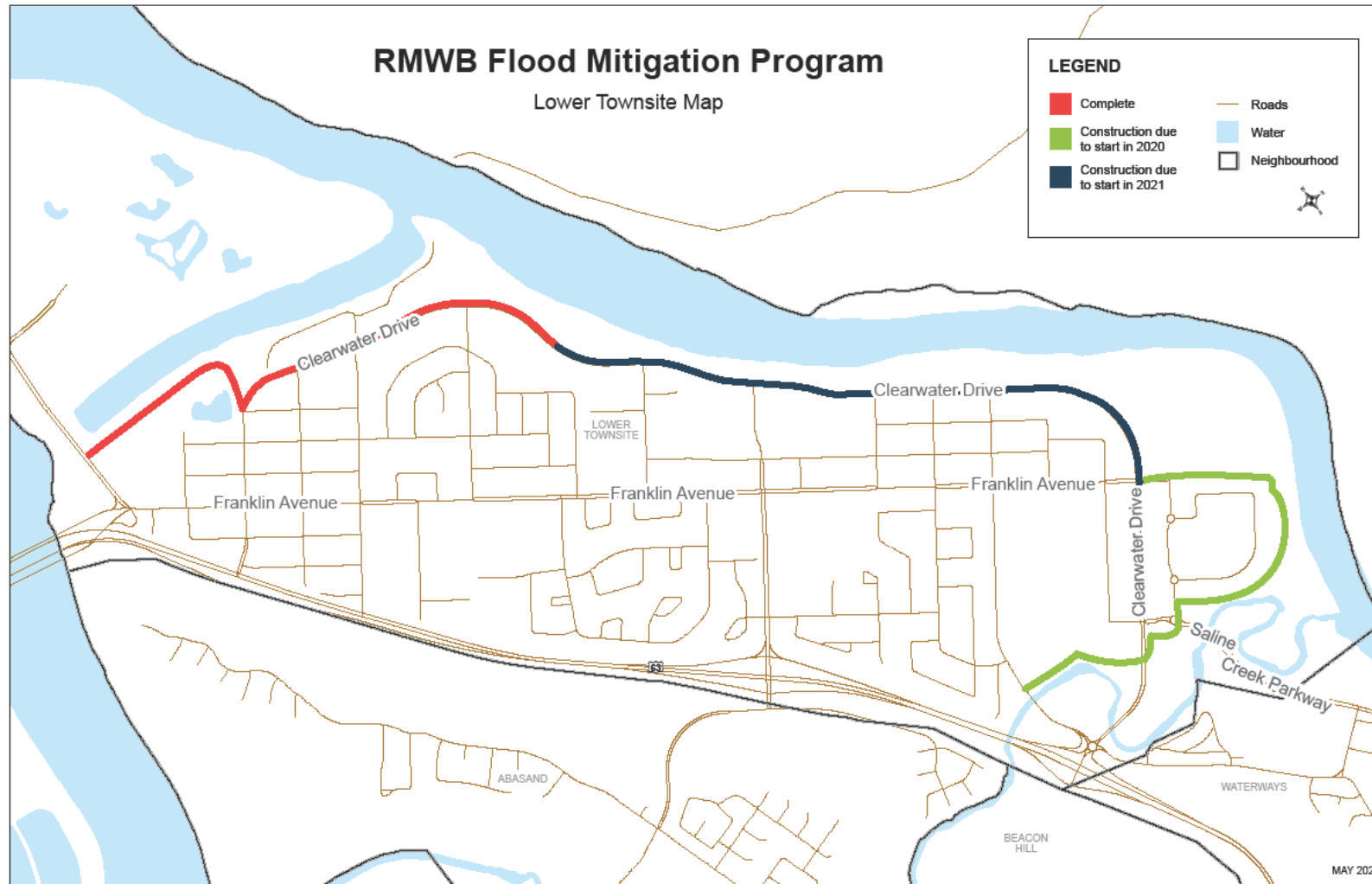
Department: Office of the Deputy Chief Administrative Officer

Meeting Date: June 23, 2020

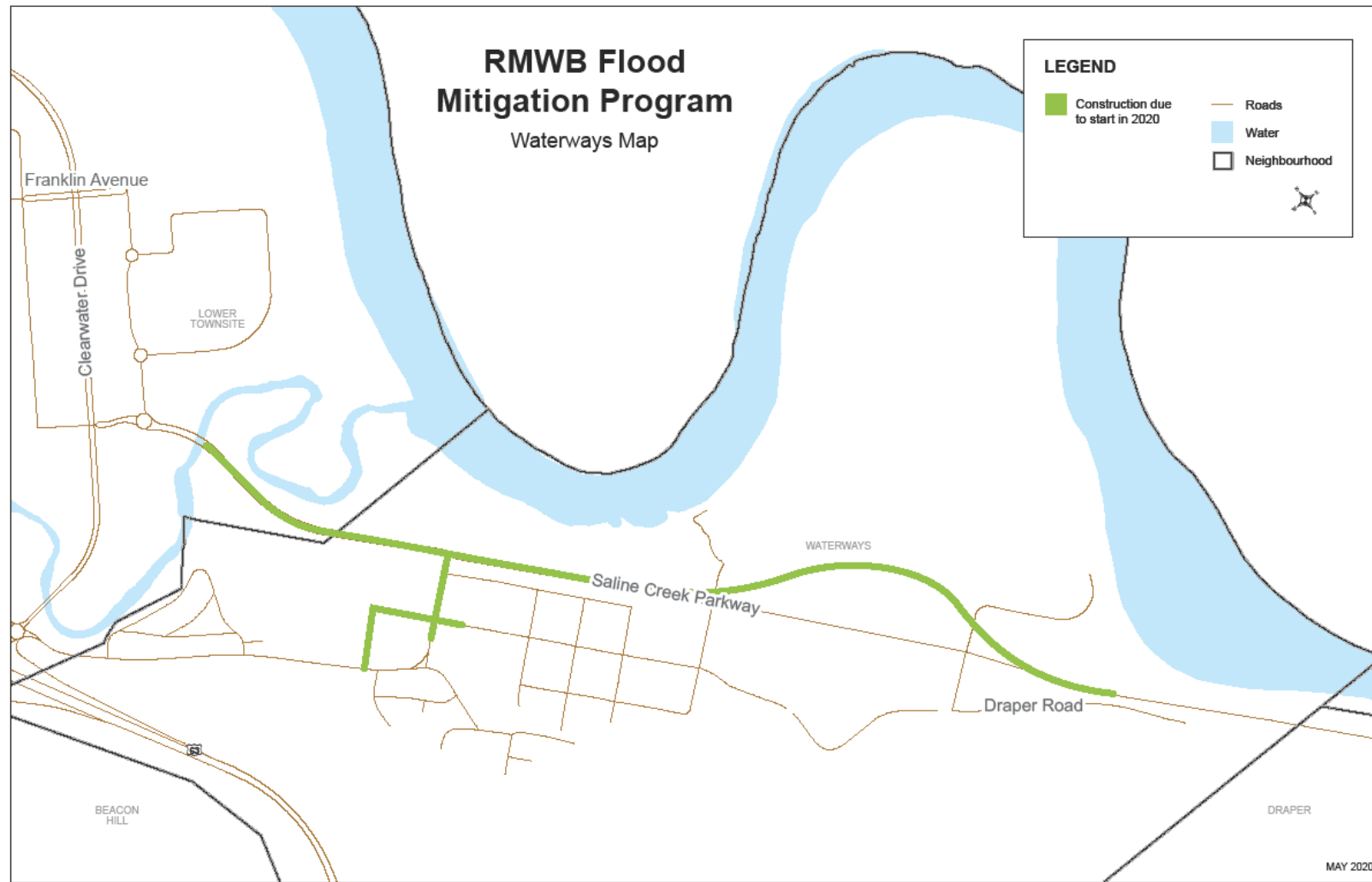
Flood Mitigation Program

- History of ice jam floods
- Build to 250.5 metre elevation
- Combination of berms and retaining walls

Flood Mitigation Infrastructure - Downtown



Flood Mitigation Infrastructure - Waterways

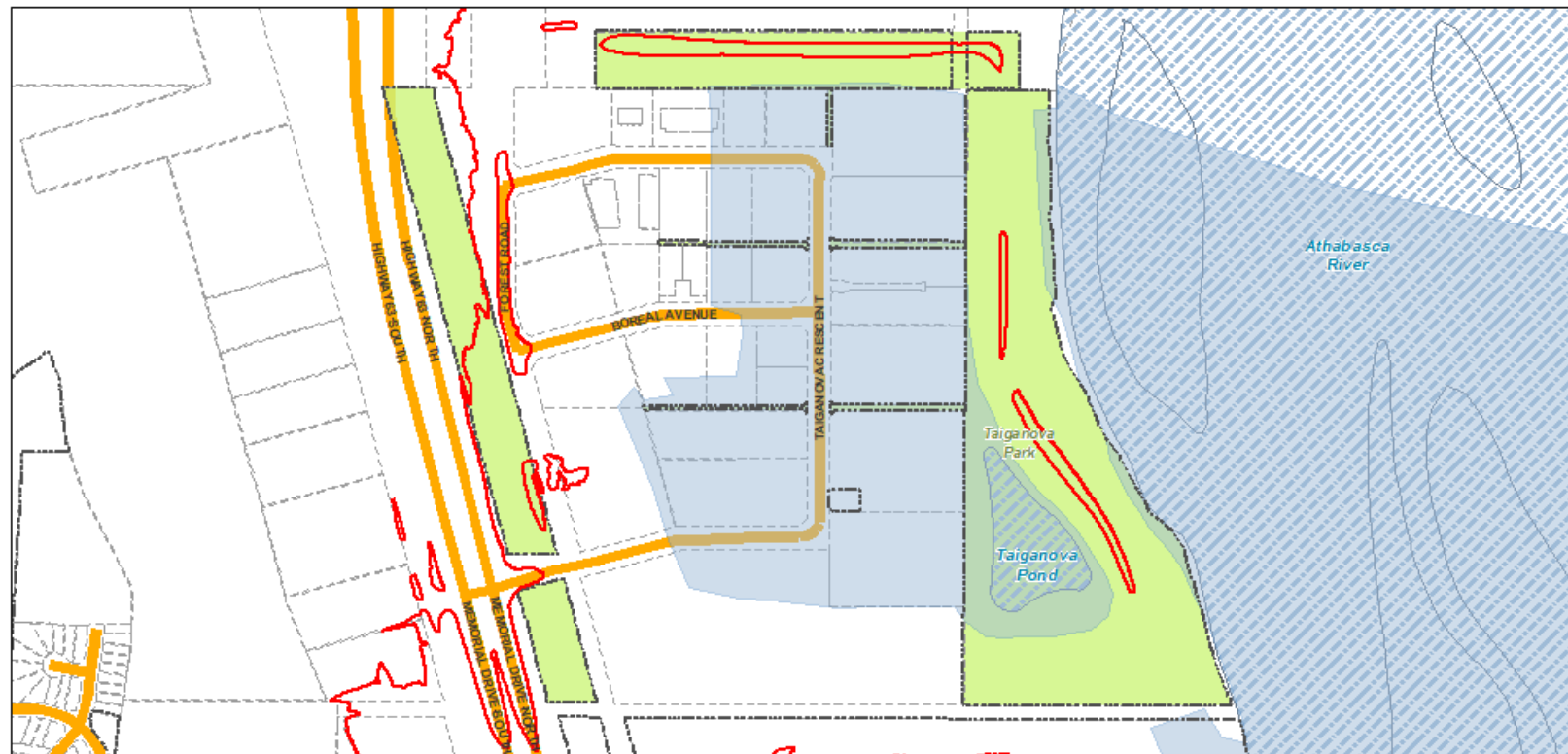


2020 Flood Event

The following series of maps shows the extent of flooding:

- Taiga Nova Eco-Industrial Park
- Downtown Fort McMurray
- Ptarmigan Court
- Waterways
- Draper

FLOOD EXTENT MAP FOR TAIGA NOVA



- 250 Meter Elevation
- Survey Parcels
- RMWB Lands
- Park / Green Space
- Flood Extent 2020 (Natural Resources Canada)
- Roads
- Waterbodies

DISCLAIMER: Flood Extent data derived from satellite imagery and depicts maximum extent of overland flooding on April 29, 2020.



2020 FLOOD EXTENT TAIGA NOVA

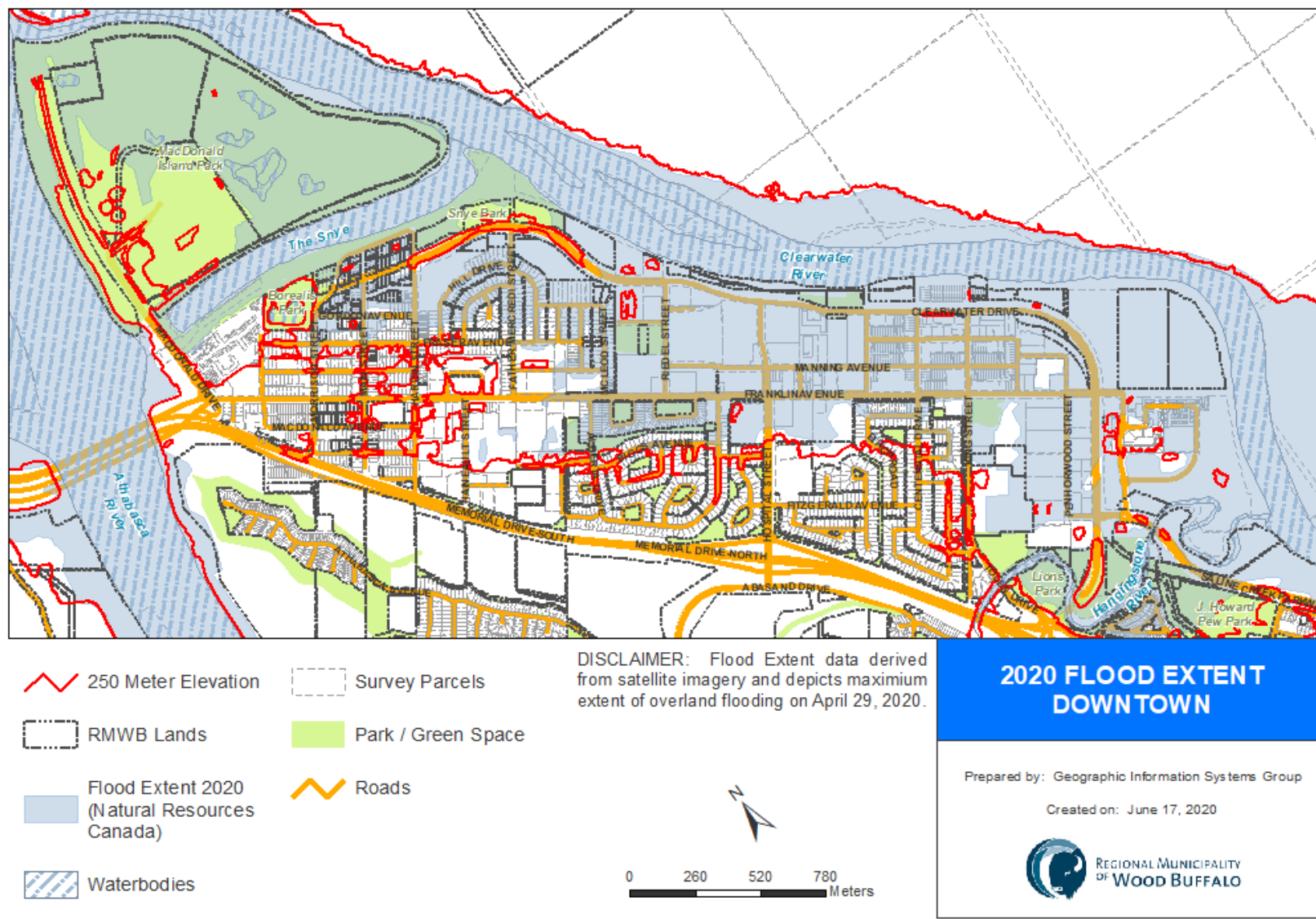
Prepared by: Geographic Information Systems Group

Created on: June 17, 2020

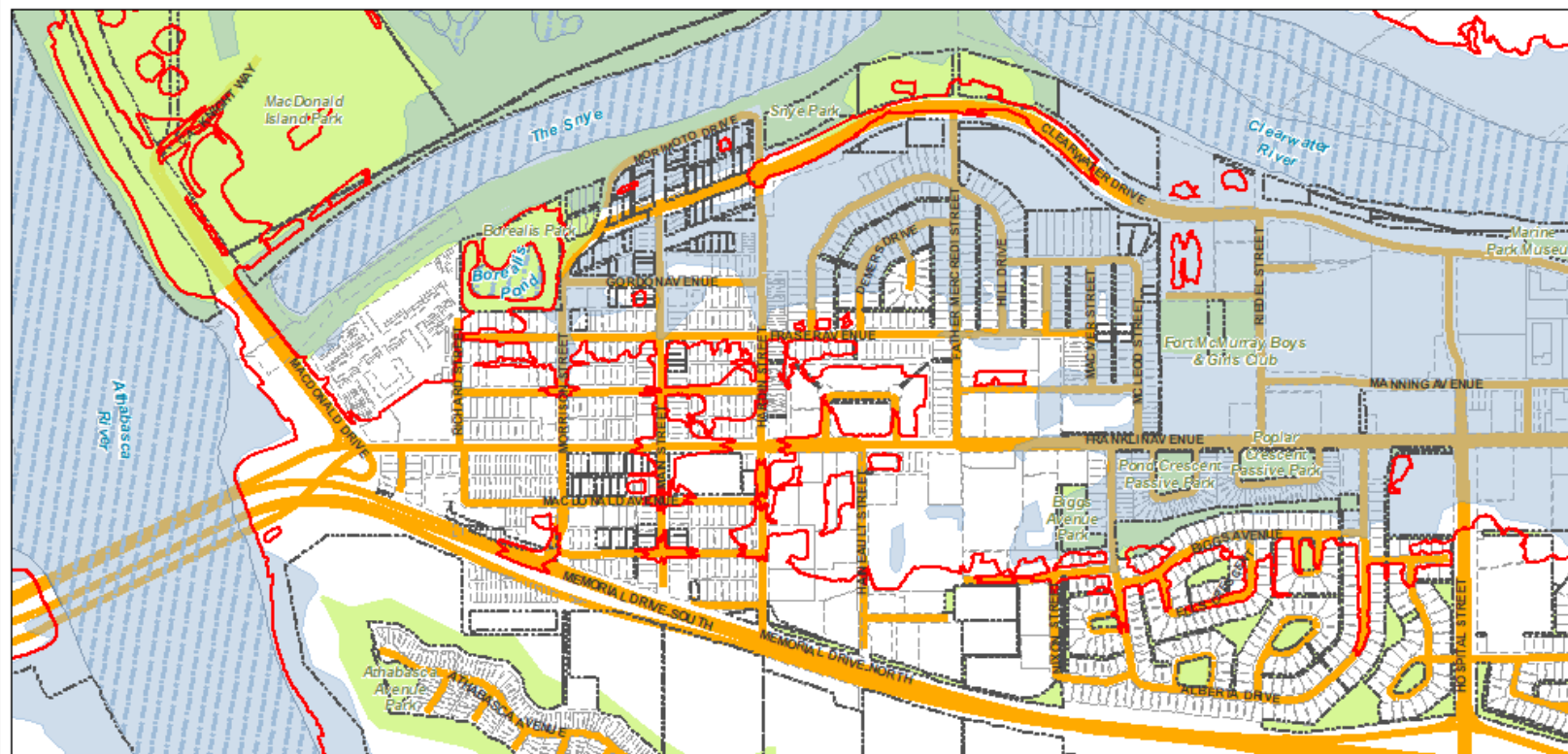


REGIONAL MUNICIPALITY
OF WOOD BUFFALO

FLOOD EXTENT MAP FOR DOWNTOWN

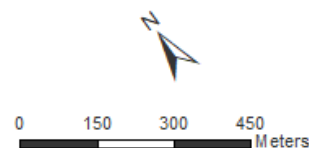


FLOOD EXTENT MAP FOR DOWNTOWN



- 250 Meter Elevation
- Survey Parcels
- RMWB Lands
- Park / Green Space
- Flood Extent 2020 (Natural Resources Canada)
- Roads
- Waterbodies

DISCLAIMER: Flood Extent data derived from satellite imagery and depicts maximum extent of overland flooding on April 29, 2020.



2020 FLOOD EXTENT DOWNTOWN

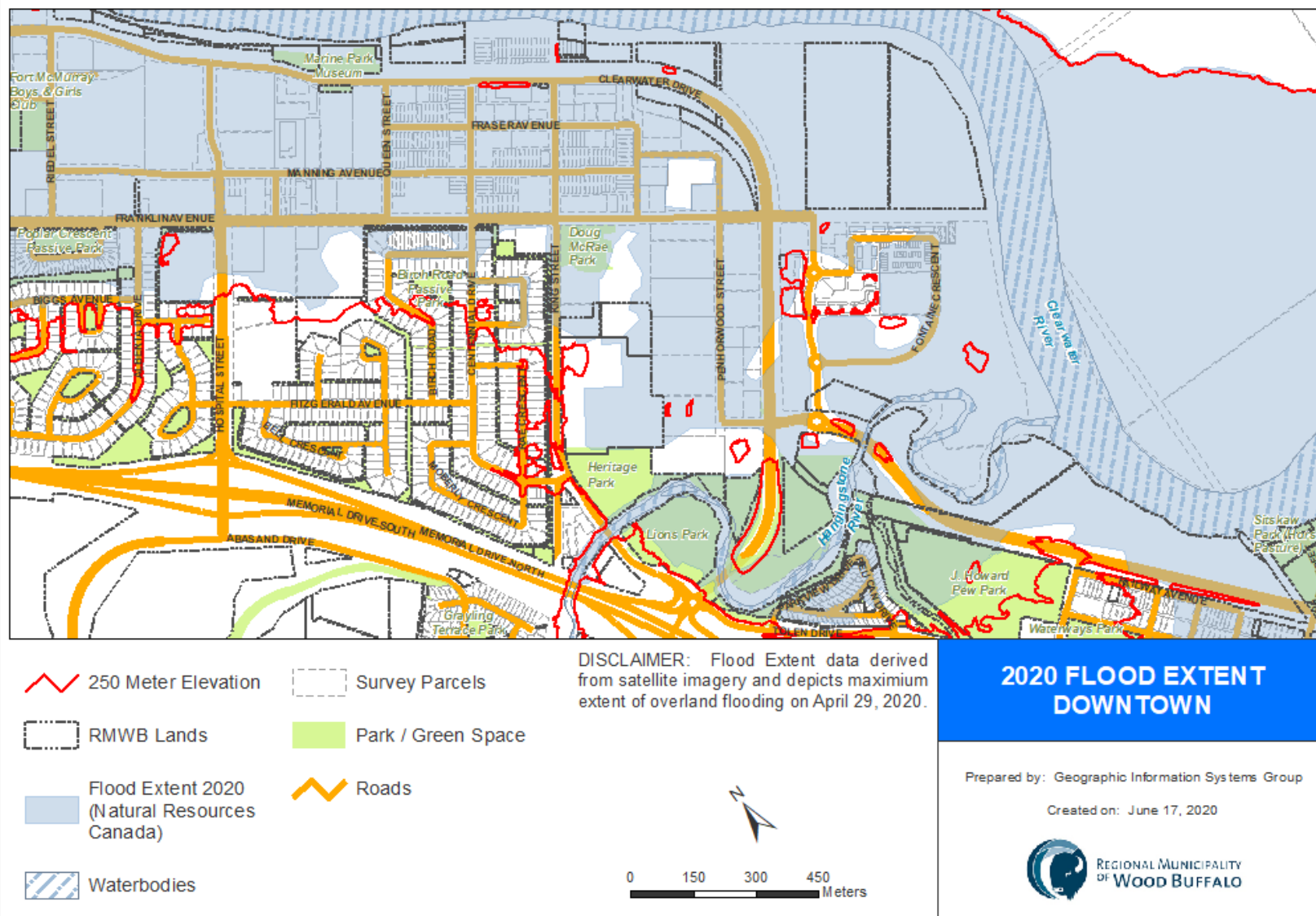
Prepared by: Geographic Information Systems Group

Created on: June 17, 2020

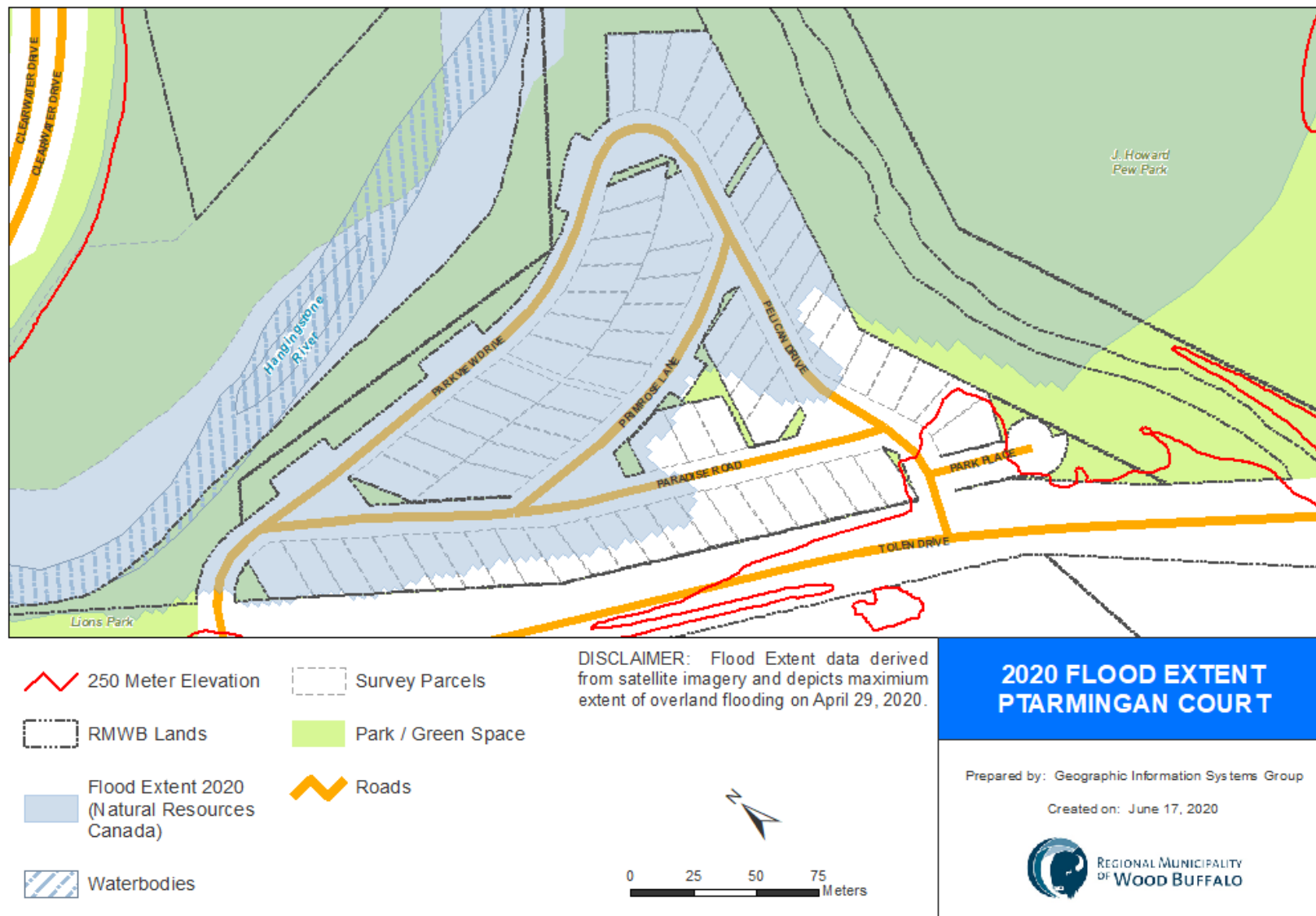


REGIONAL MUNICIPALITY
OF WOOD BUFFALO

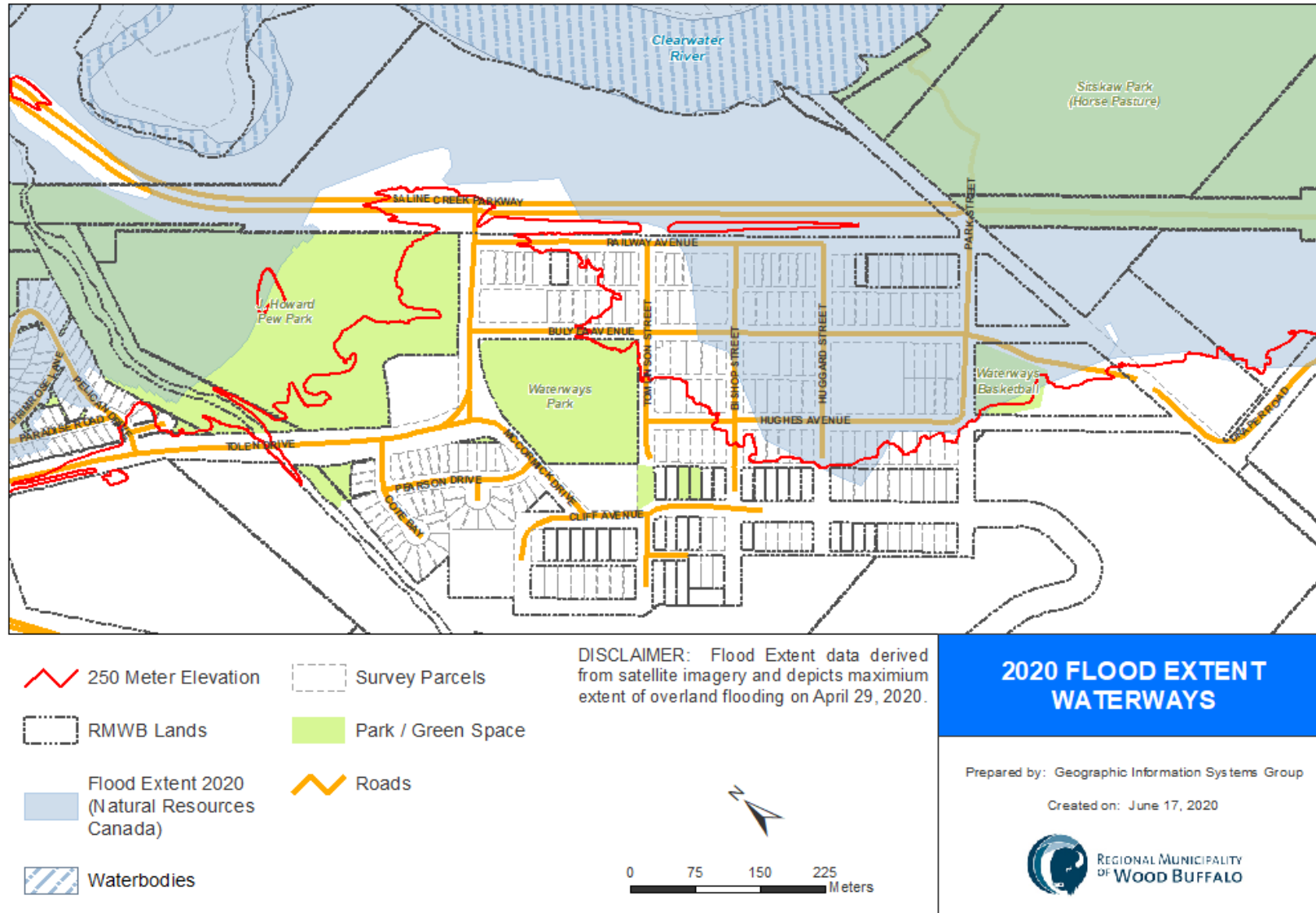
FLOOD EXTENT MAP FOR DOWNTOWN



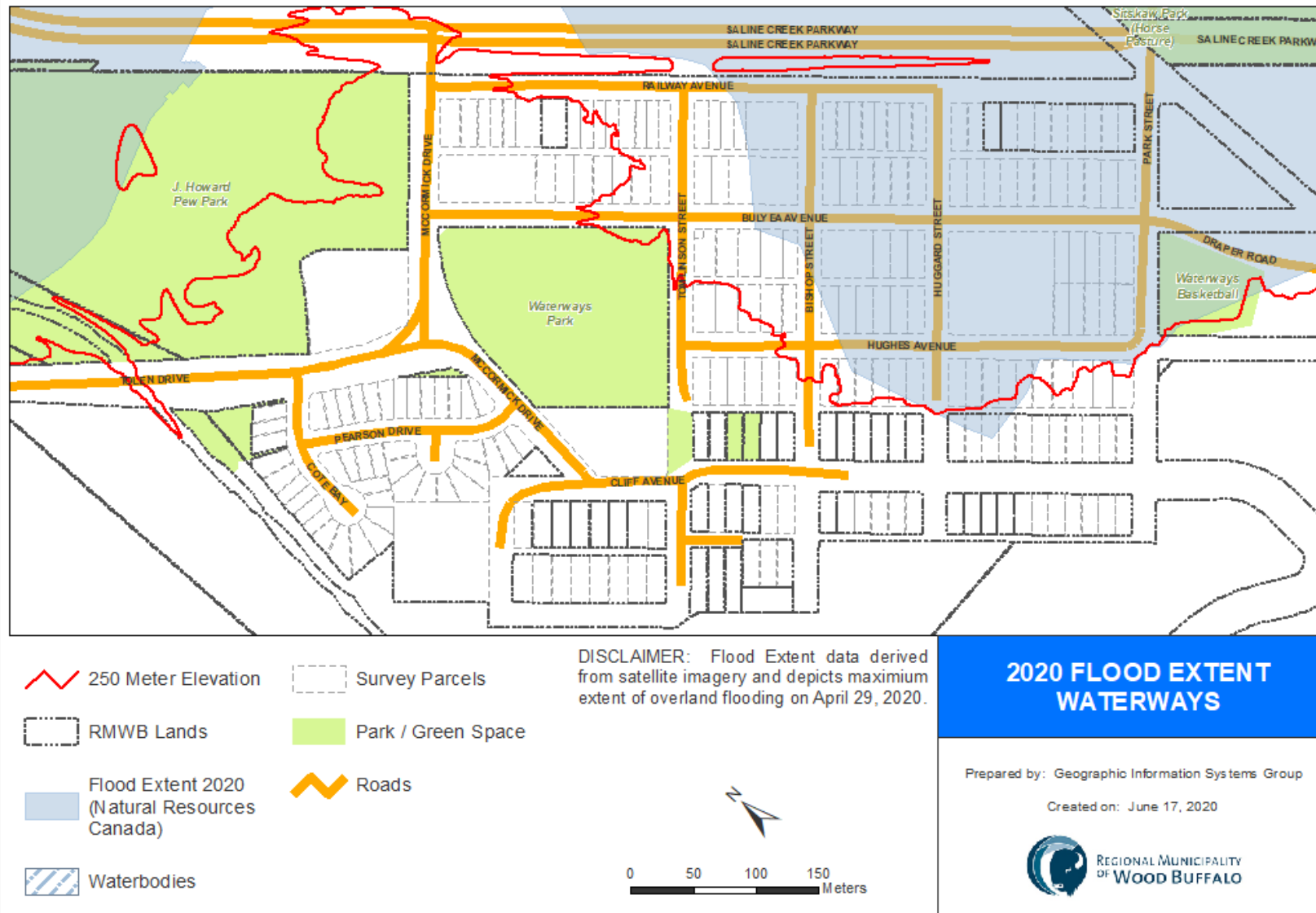
FLOOD EXTENT MAP FOR PTARMINGAN COURT



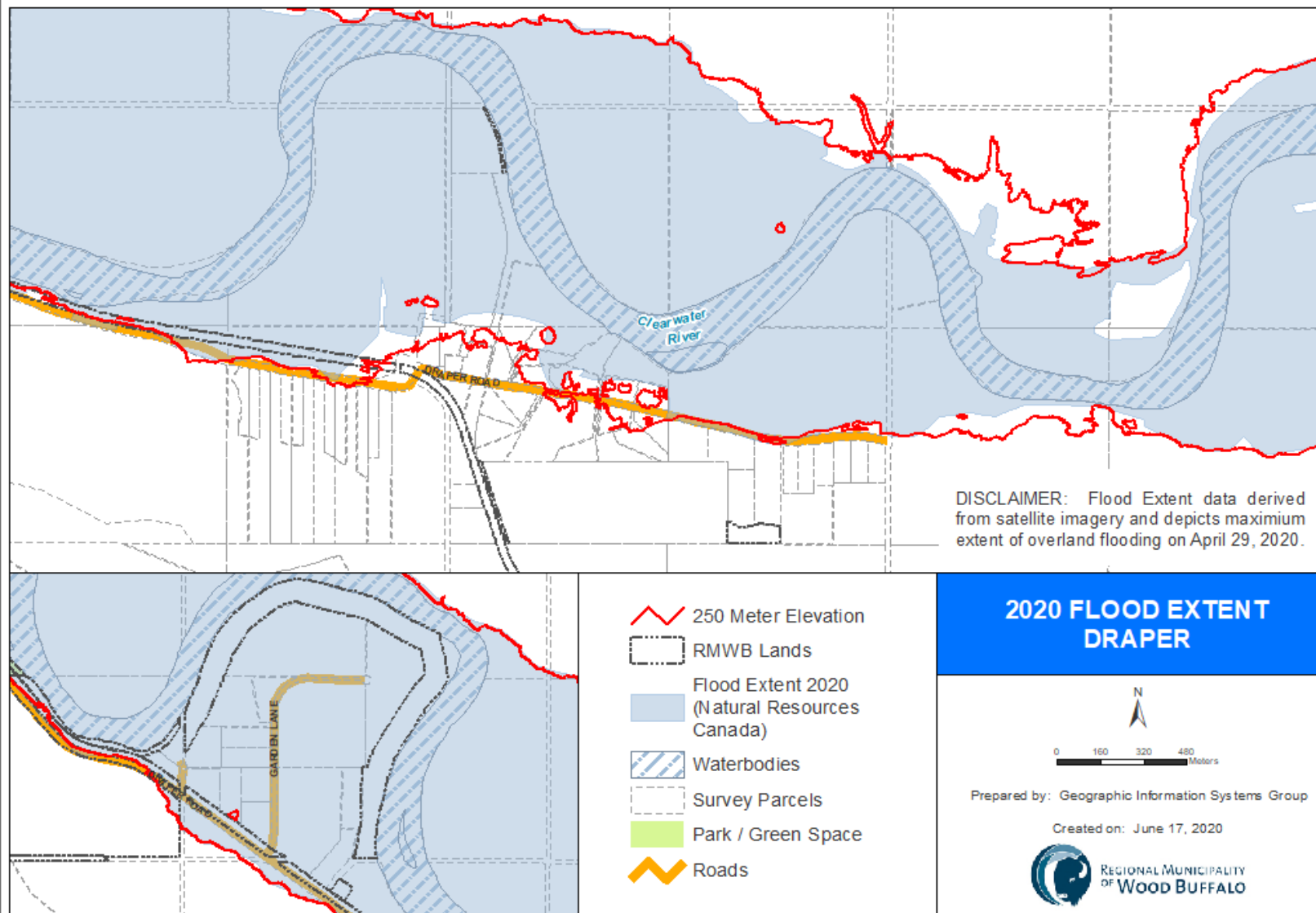
FLOOD EXTENT MAP FOR WATERWAYS



FLOOD EXTENT MAP FOR WATERWAYS



FLOOD EXTENT MAP FOR DRAPER



Key Considerations

- Improve Community Resilience
- Five Distinct Areas
- Community Engagement
- Evaluate Development Options
- Recommendations

Thank you