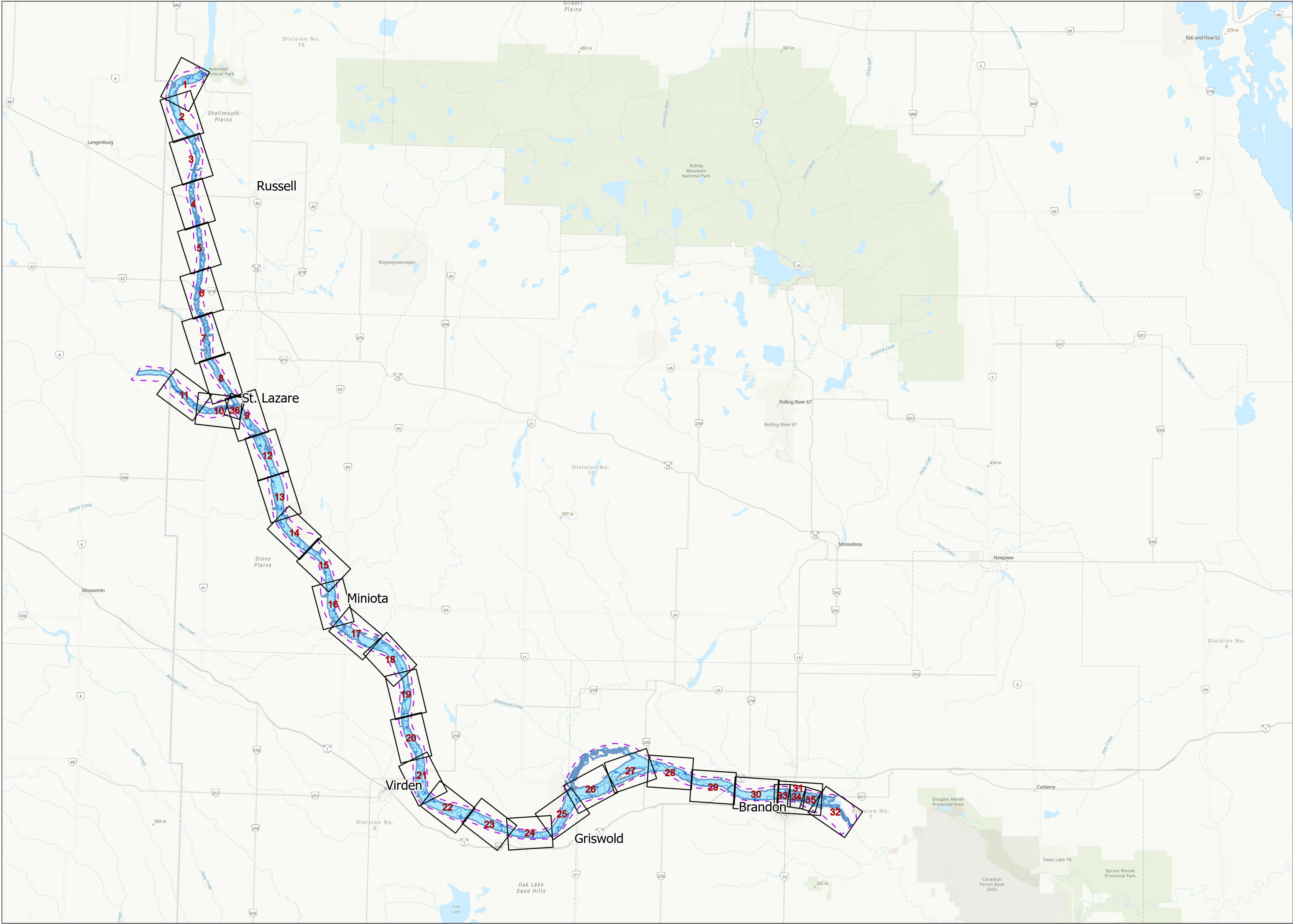


Coordinate System: NAD 1983 UTM Zone 14N  
Vertical Datum: CGVD 1928

# ASSINIBOINE RIVER FLOOD HAZARD MAP

ESTIMATED FLOOD EXTENT FOR THE ASSINIBOINE RIVER 200 YEAR FLOOD

Scale: 1:290,500

INDEX MAP

Legend

Map Series

River Centerline & Direction of Flow

1:200 Year (0.5%) Flood Extent

Model Boundary



## ABOUT THIS FLOOD HAZARD MAP

This flood hazard map identifies the portions from Shellmouth Dam to City of Brandon at risk of flooding during a 1:200-year (0.5%) open water flood of the Assiniboine River. The map was prepared based on hydrologic analysis and hydraulic modelling undertaken in 2023 and 2024.

## TOPOGRAPHIC INFORMATION

The topographic information on this map is presented in 0.5 meter contours in urban areas, and 1 meter contours in rural areas. These contours were produced based on a digital elevation model (DEM) derived from LiDAR data captured in 2007, and sonar bathymetric data captured in 2023. The topographic elevation information presented on this map represents ground elevation, and does not include buildings or vegetation cover.

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## BACKGROUND IMAGERY

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## FLOOD WATER LEVELS

Water levels for the 1:200-year (0.5%) flood were determined by a hydraulic study conducted in 2023 and 2024. The study results are documented in the report "Hydrodynamic Modelling and Flood Mapping Study for the Upper Assiniboine River: Shellmouth Dam to Brandon" (AECOM, March 2024). This Report also includes the flood levels for 1:20-year (5%), 1:50-year (2%), 1:100-year (1%), 1:200-year (0.5%), 1:300-year (0.33%) and 1:500-year (0.2%) floods. A copy of the report will be available to the public.

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**1:200-year (0.5%) water level** means the peak water level that has a 0.5% chance of being equaled or exceeded in any given year. Statistically, the 1:200-year water level would be expected to occur once in a 200-year period. The 1:200-year water level should not however be interpreted as the peak water level that will only occur once in a two-hundred year period. That is because the occurrence of a rare flood event does not reduce the chances of another rare flood event occurring within a short period of time. The probability of a 1:200-year water level occurring in any particular year is 0.5%.

## LIMITATIONS, RISK AND LIABILITY

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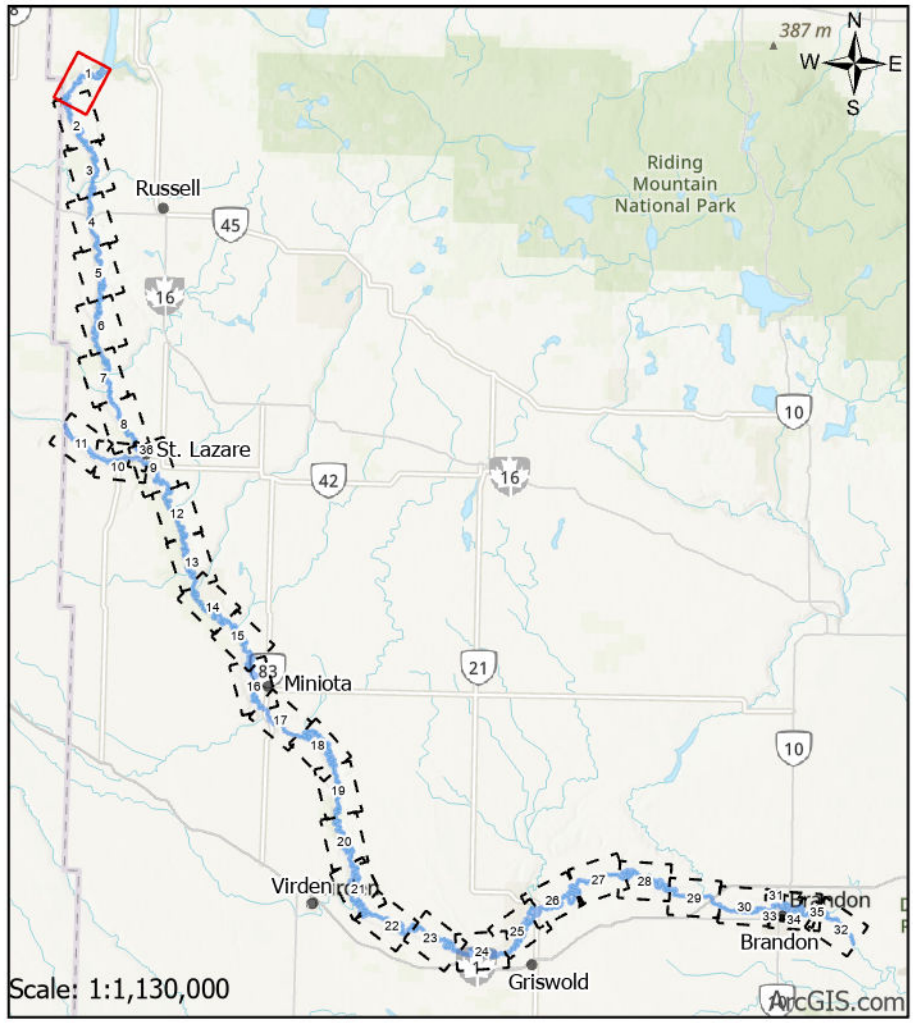
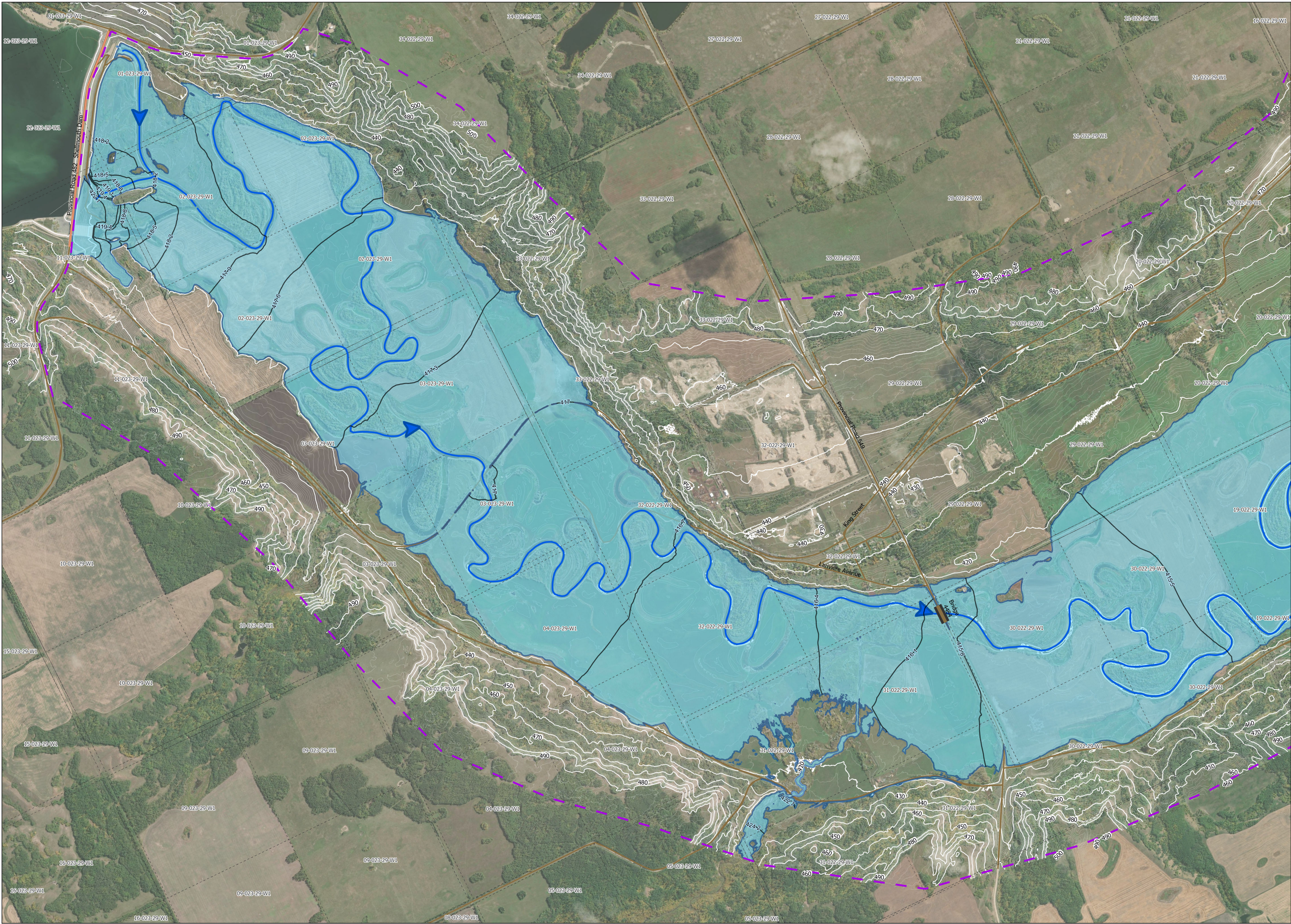
## FOR MORE INFORMATION

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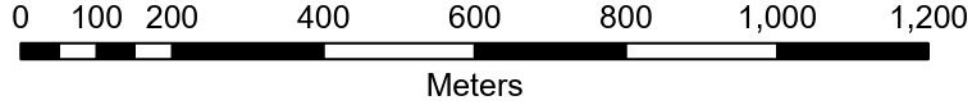
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Coordinate System: NAD 1983 UTM Zone 14N  
Vertical Datum: CGVD 1928

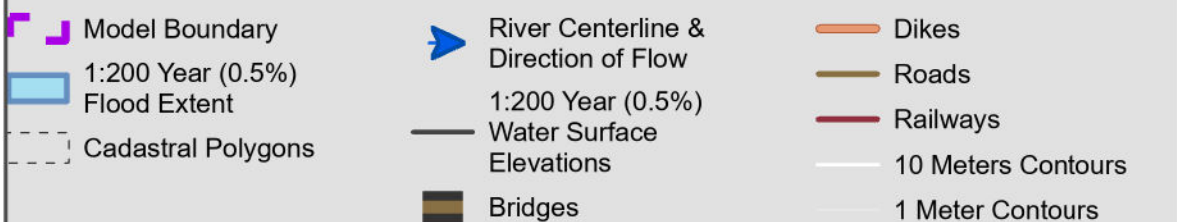
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ESTIMATED FLOOD EXTENT FOR THE ASSINIBOINE RIVER 200-YEAR FLOOD

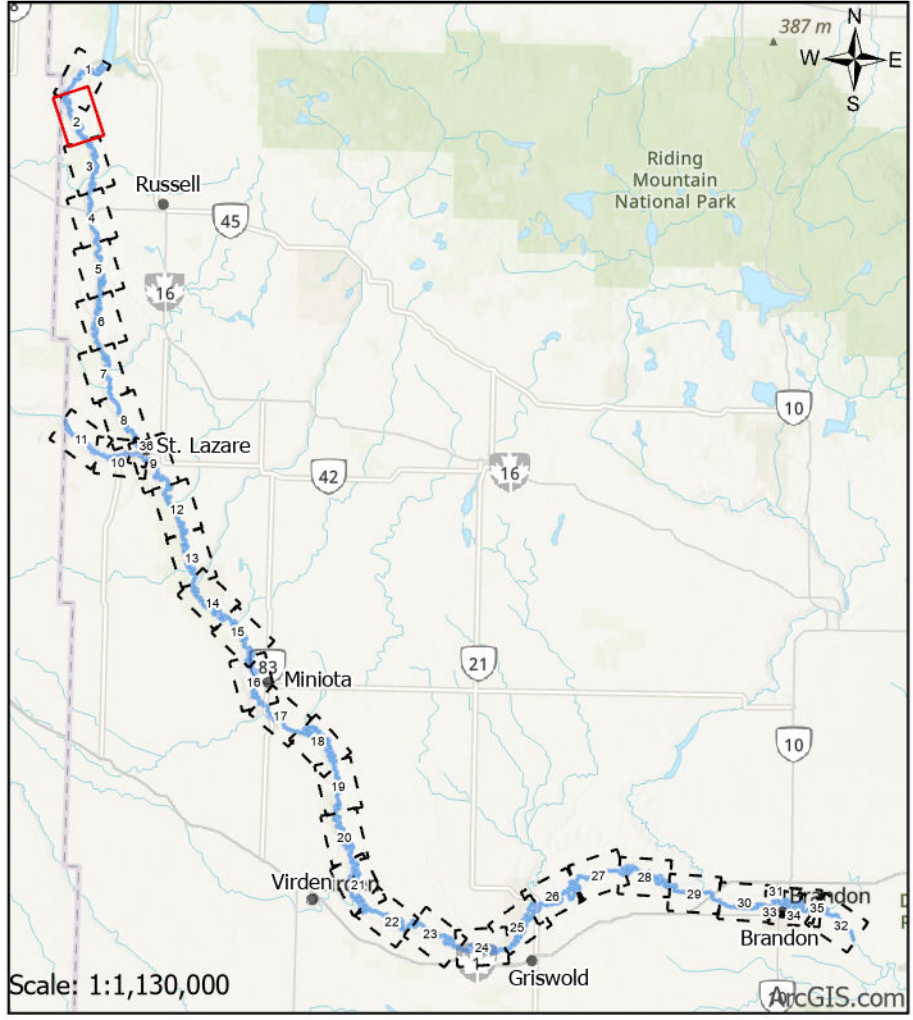
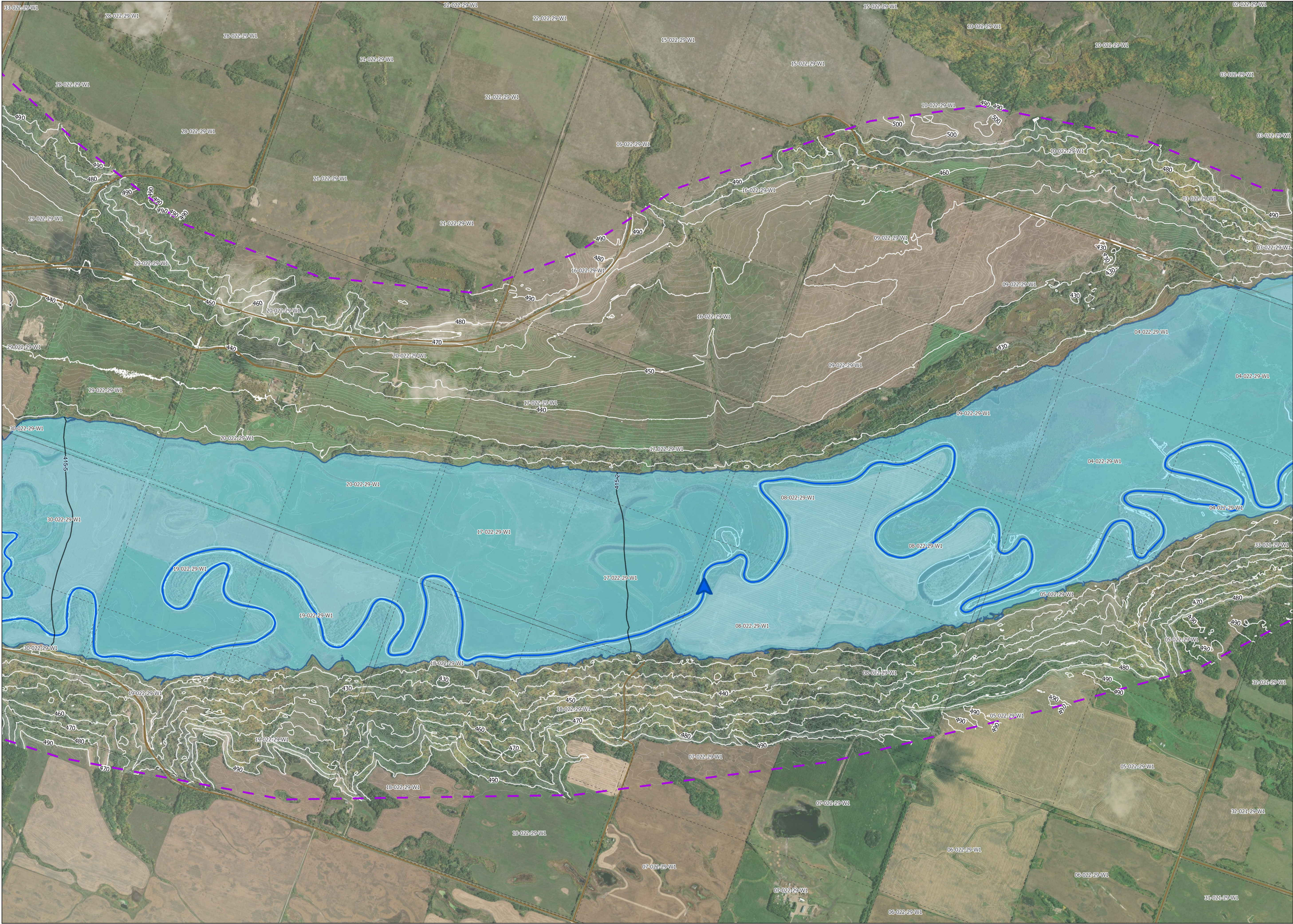
Scale: 1:10,000

Map 1 of 36

### Legend







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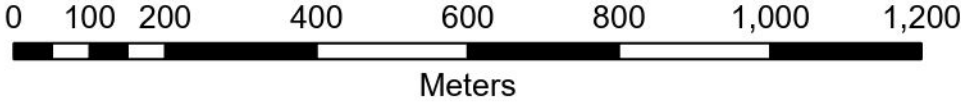
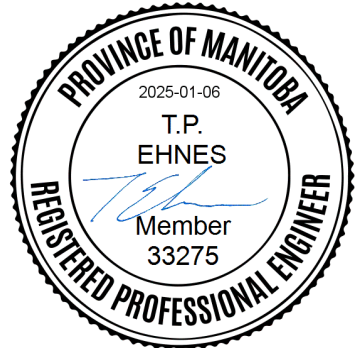
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Coordinate System: NAD 1983 UTM Zone 14N  
Vertical Datum: CGVD 1928

ASSINIBOINE RIVER FLOOD HAZARD MAP

ESTIMATED FLOOD EXTENT FOR THE ASSINIBOINE RIVER 200-YEAR FLOOD

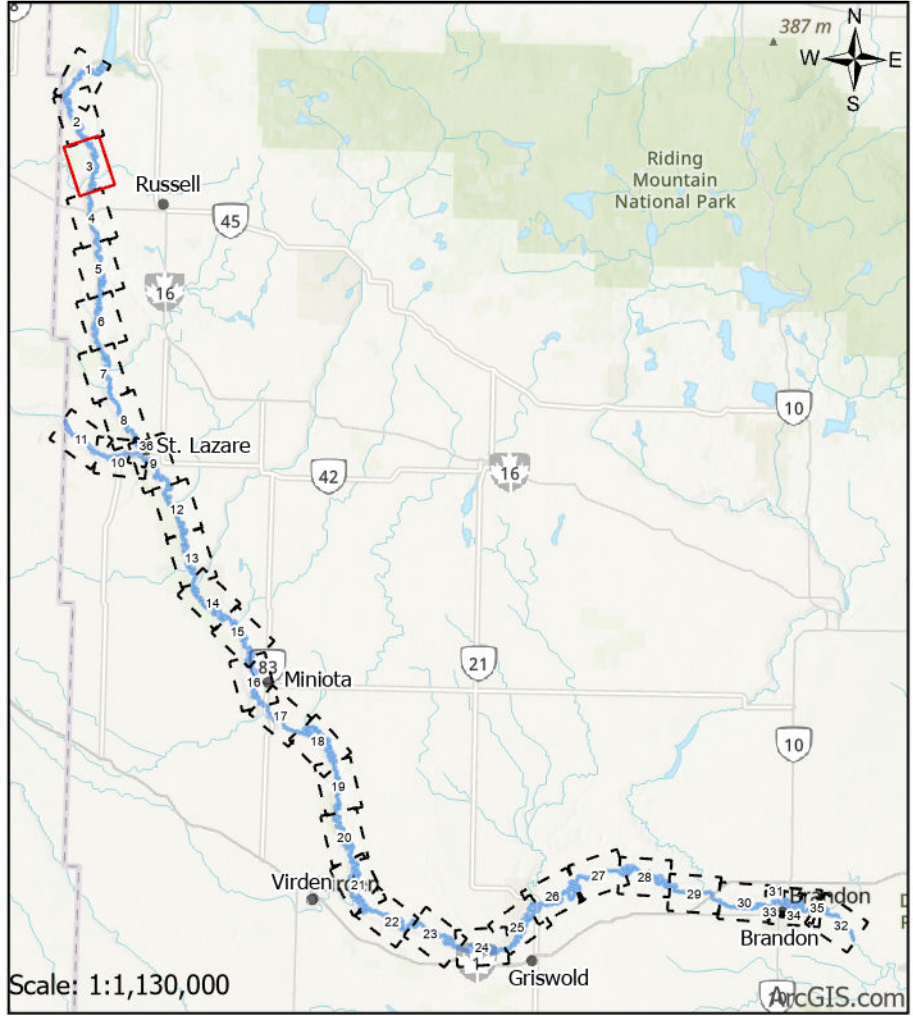
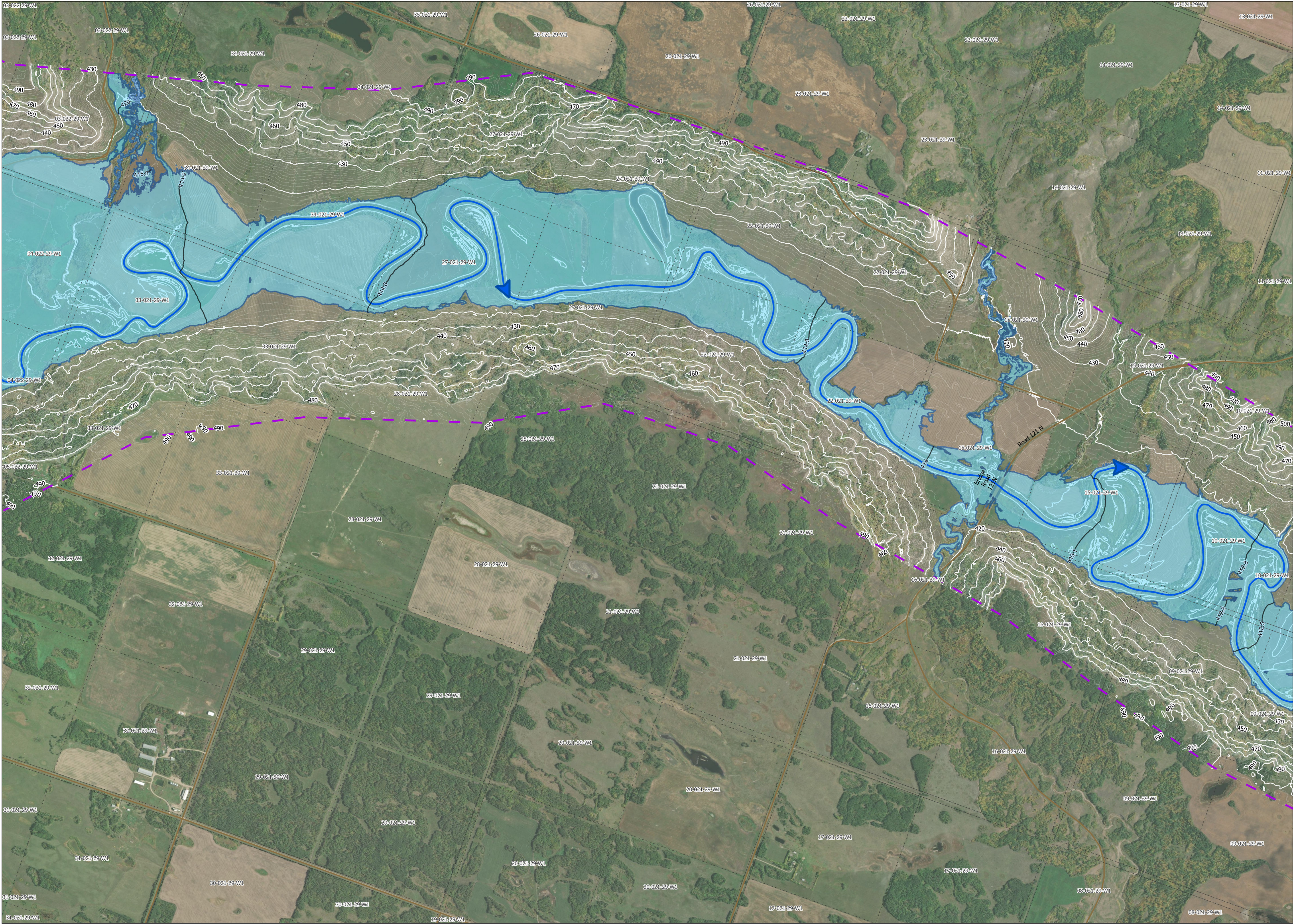
Scale: 1:10,000

Map 2 of 36

**Legend**

- Model Boundary
- 1:200 Year (0.5%) Flood Extent
- Cadastral Polygons
- River Centerline & Direction of Flow
- 1:200 Year (0.5%) Flood Extent
- Water Surface Elevations
- Bridges
- Dikes
- Roads
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- 10 Meters Contours
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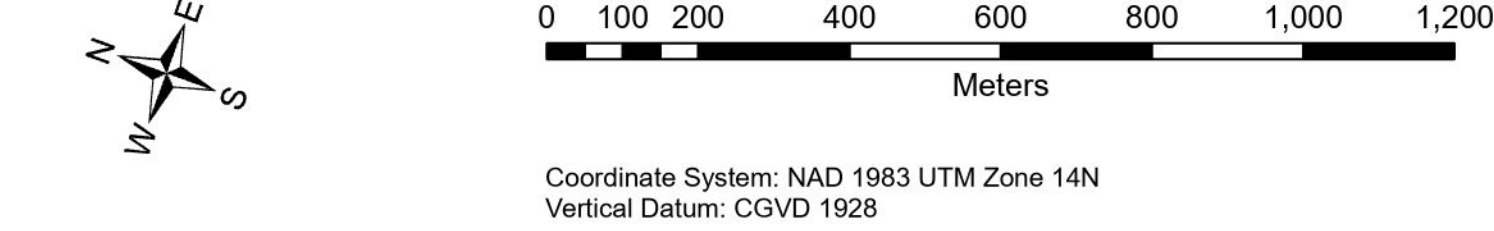
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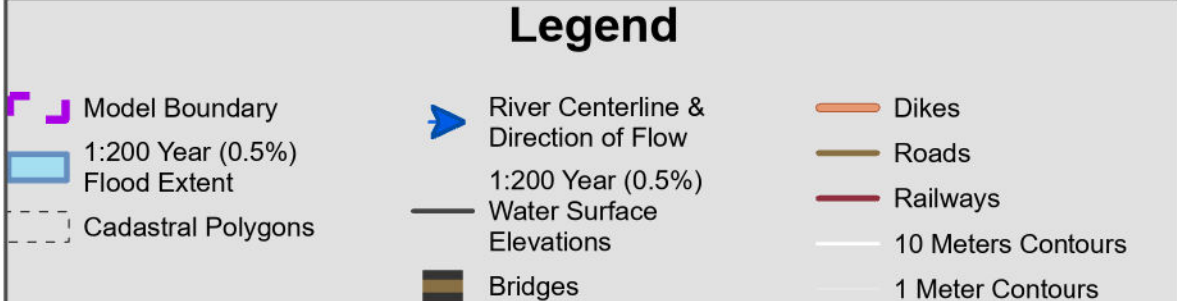
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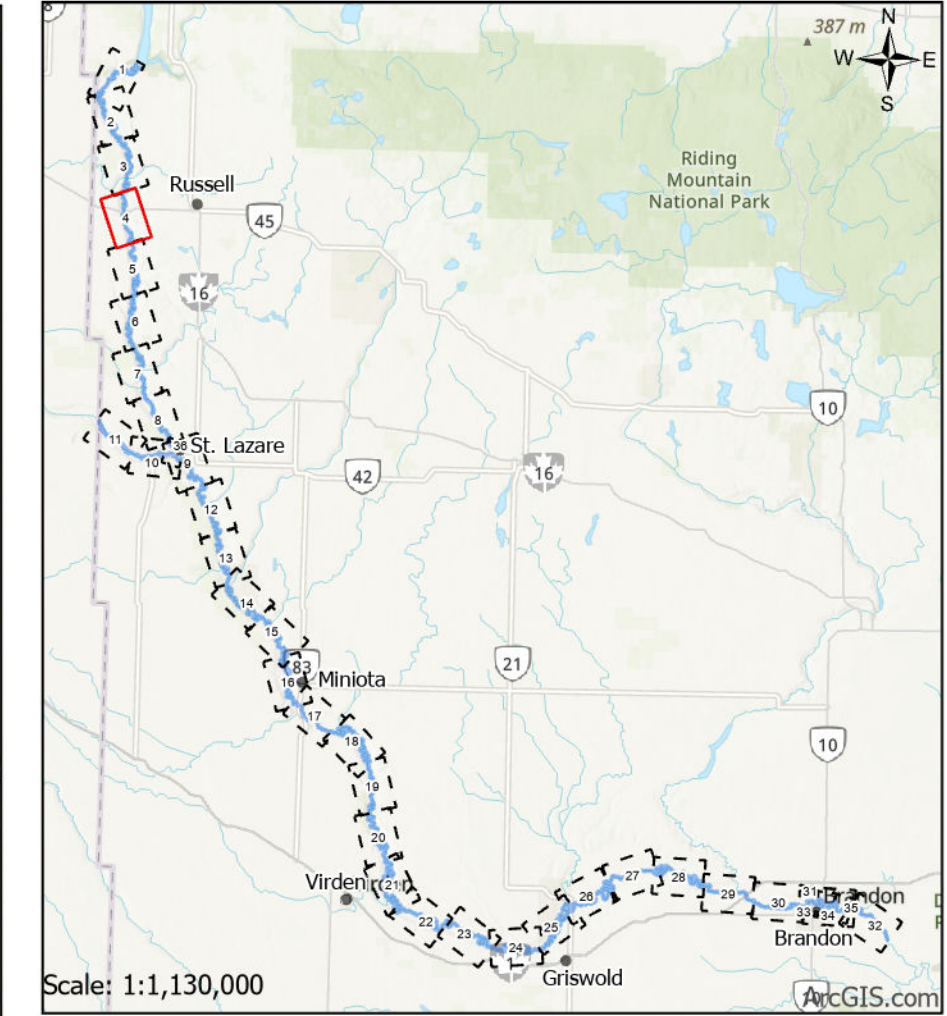
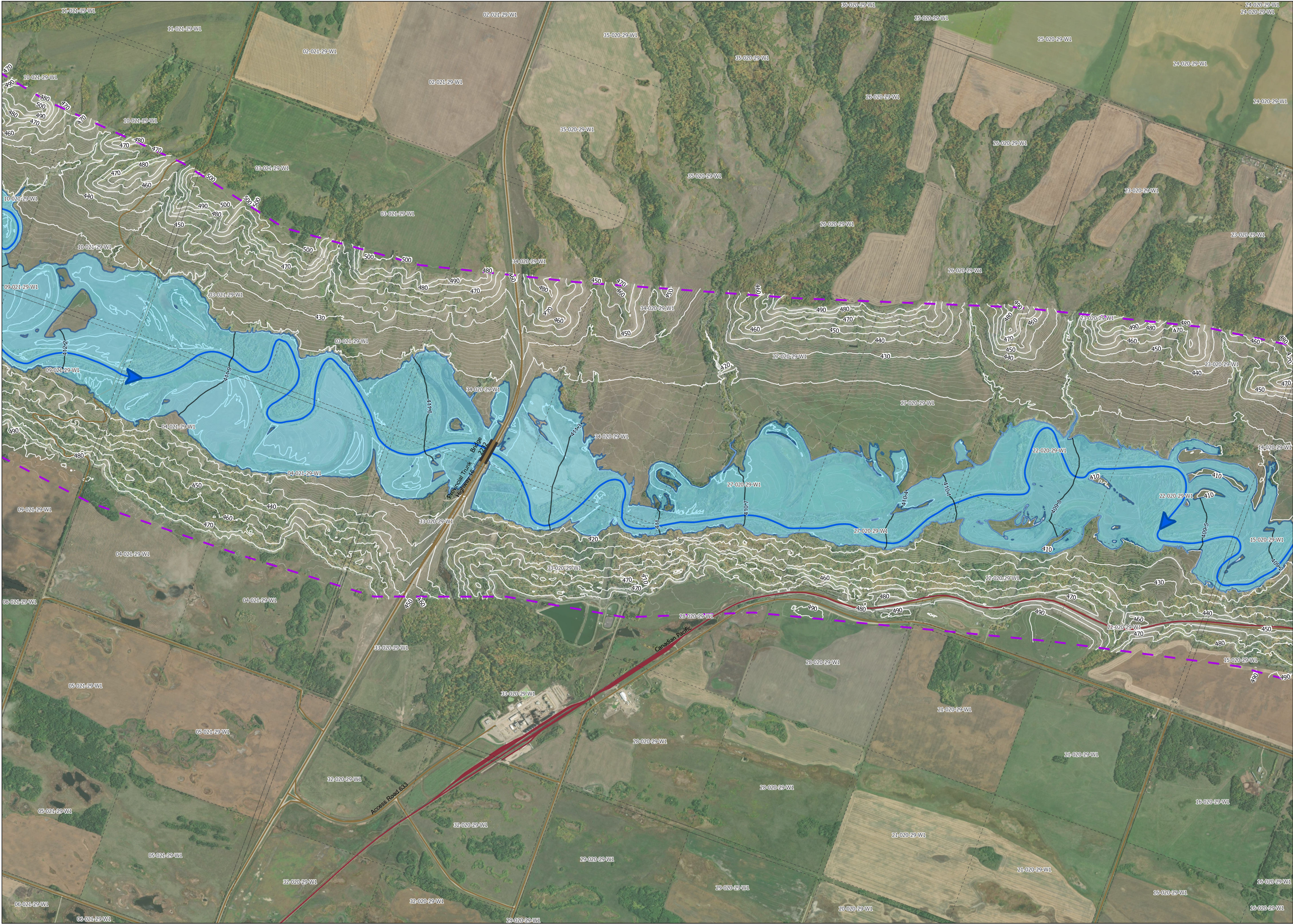
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ESTIMATED FLOOD EXTENT FOR THE ASSINIBOINE RIVER 200-YEAR FLOOD

Scale: 1:10,000







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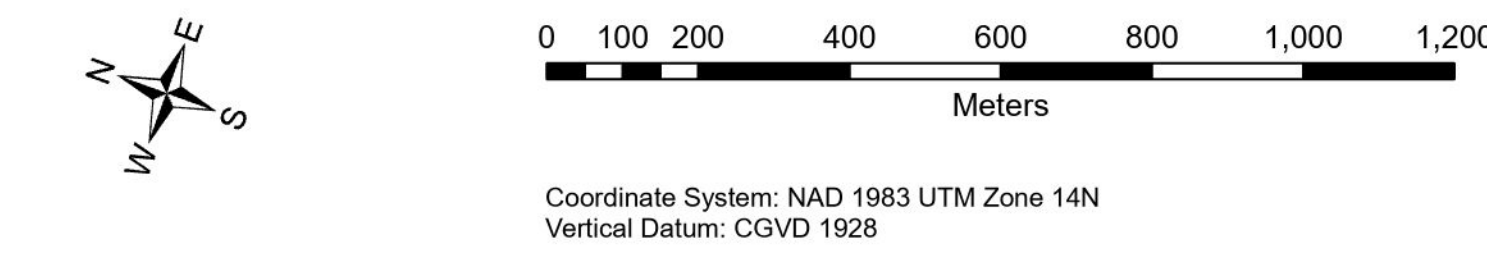
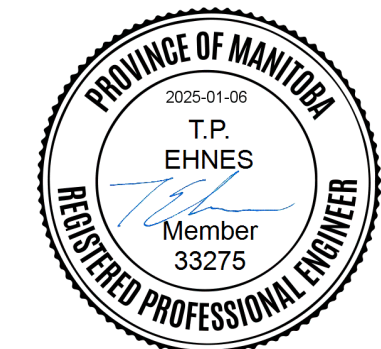
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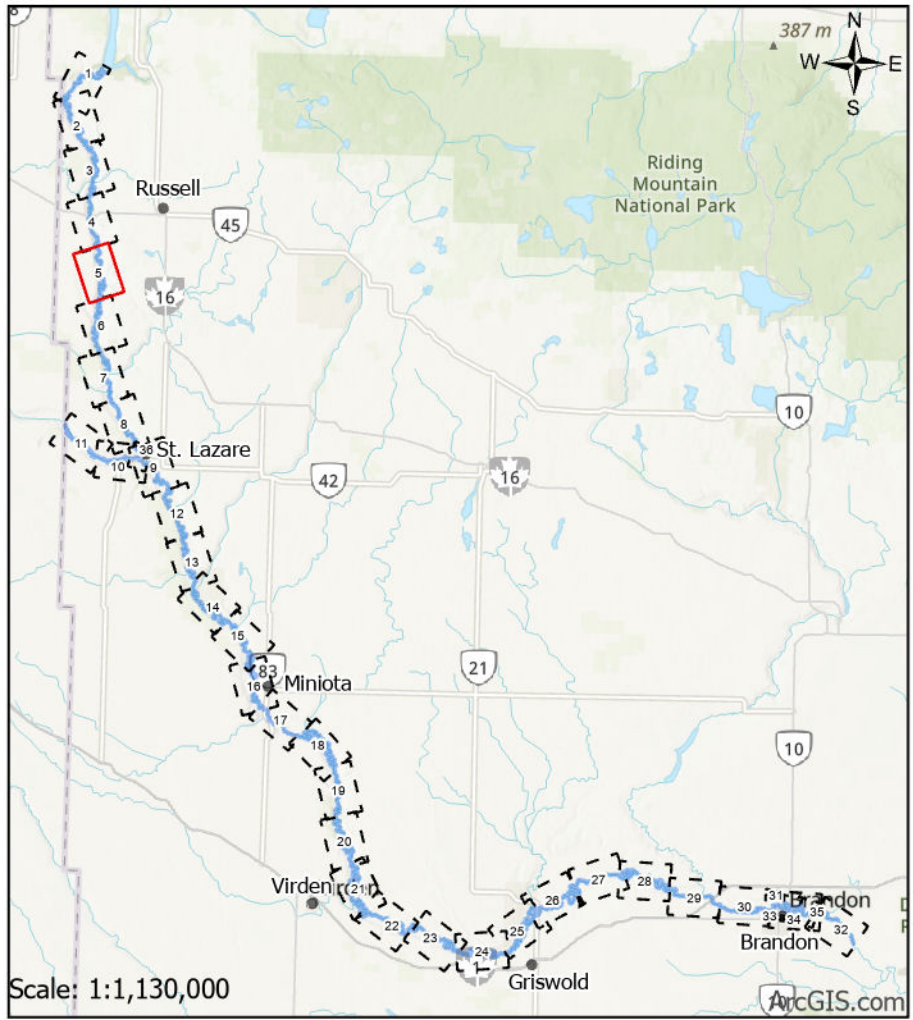
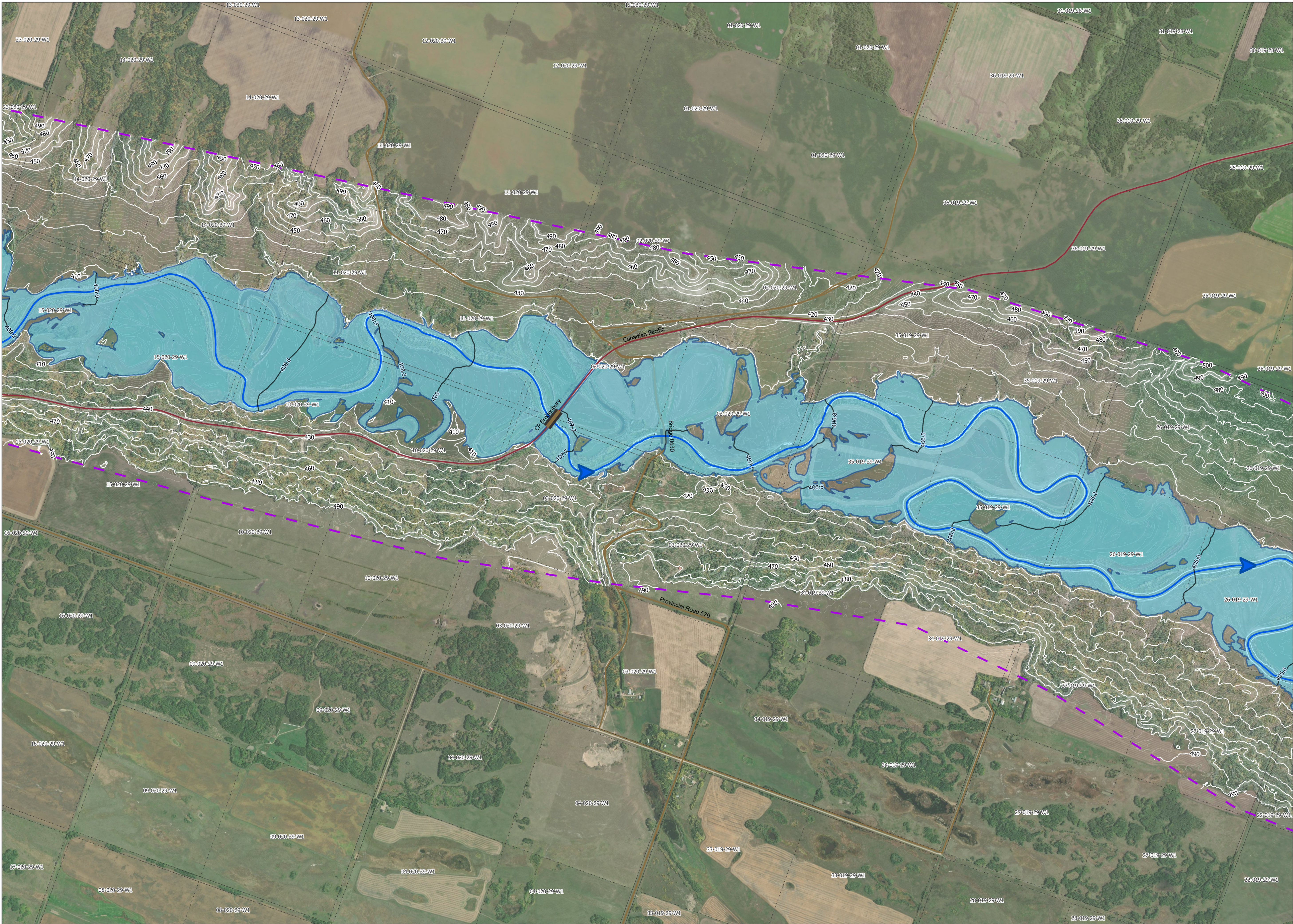
ESTIMATED FLOOD EXTENT FOR THE ASSINIBOINE RIVER 200-YEAR FLOOD

Scale: 1:10,000

**Legend**

- Model Boundary
- 1:200 Year (0.5%) Flood Extent
- Water Surface Elevations
- Cadastral Polygons
- Bridges
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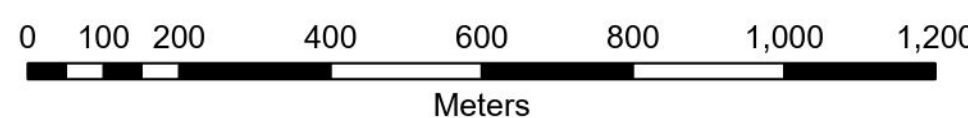
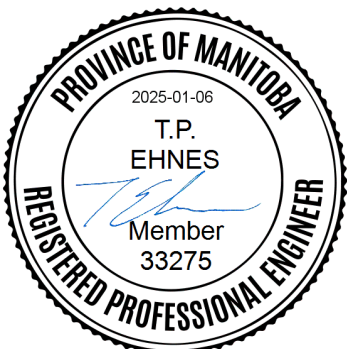
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**FOR MORE INFORMATION**  
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Winnipeg, MB R3C 0R8  
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Coordinate System: NAD 1983 UTM Zone 14N  
Vertical Datum: CGVD 1928

# ASSINIBOINE RIVER FLOOD HAZARD MAP

ESTIMATED FLOOD EXTENT FOR THE ASSINIBOINE RIVER 200-YEAR FLOOD

Scale: 1:10,000

**Legend**

Model Boundary

1:200 Year (0.5%) Flood Extent

Cadastral Polygons

River Centerline & Direction of Flow

1:200 Year (0.5%) Water Surface Elevations

Bridges

Dikes

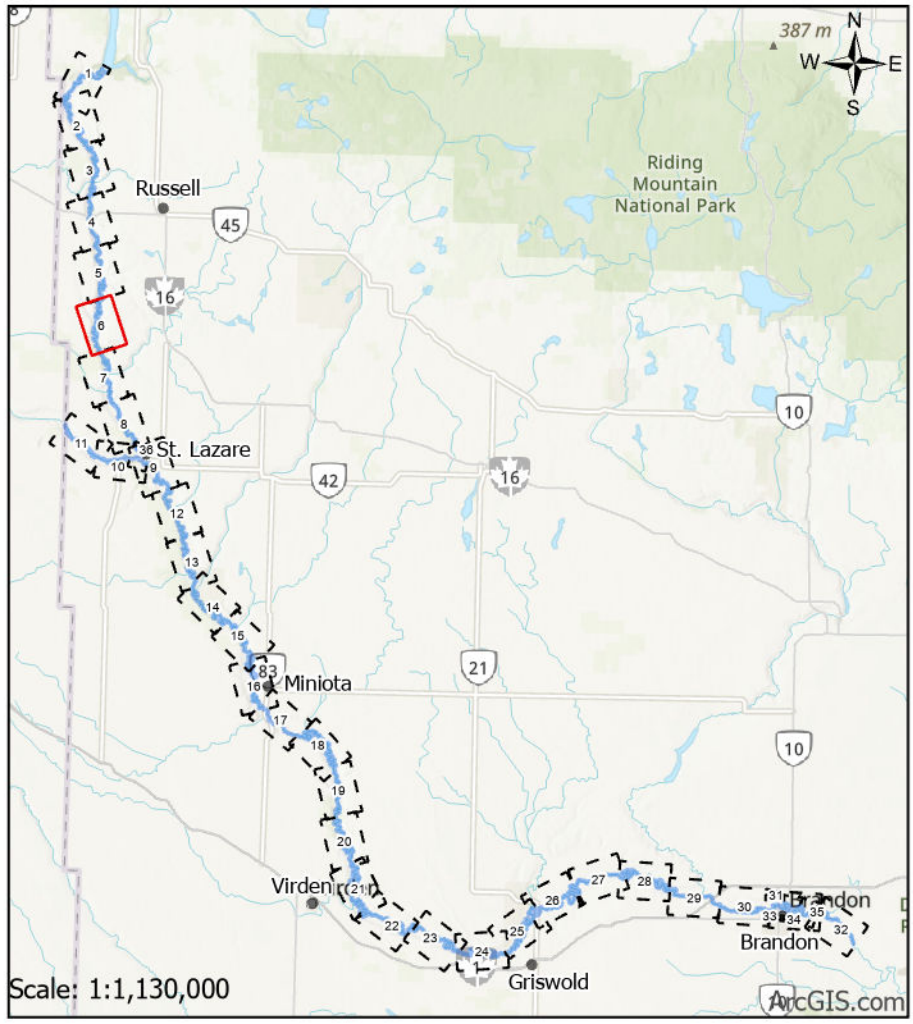
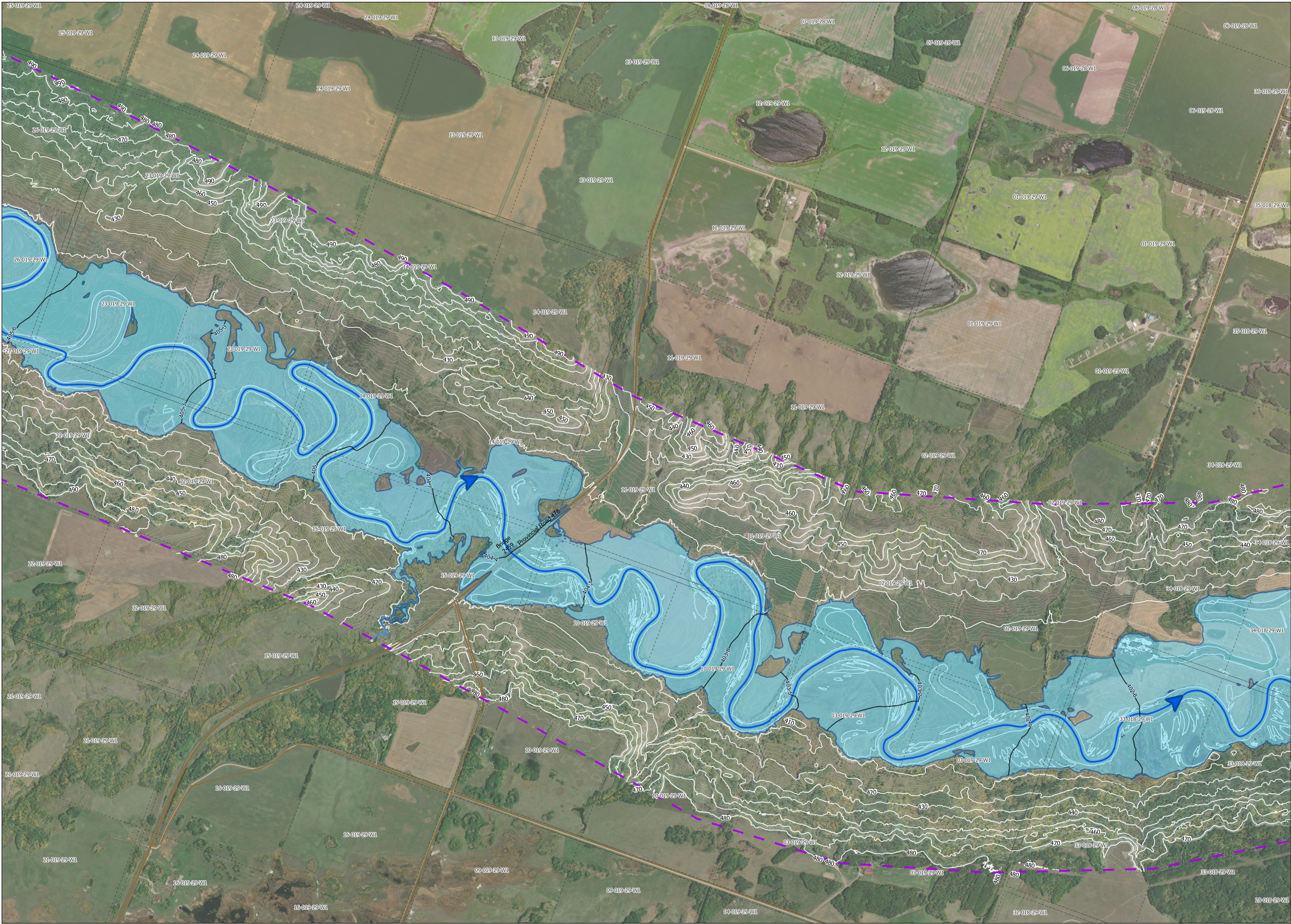
Roads

Railways

10 Meters Contours

1 Meter Contours





**ABOUT THIS FLOOD HAZARD MAP**

This flood hazard map identifies the portions from Shellmouth Dam to City of Brandon at risk of flooding during a 1:200-year (0.5%) open water flood of the Assiniboine River. The map was prepared based on hydrologic analysis and hydraulic modelling undertaken in 2023 and 2024.

**TOPOGRAPHIC INFORMATION**

The topographic information on this map is presented in 0.5 meter contours in urban areas, and 1 meter contours in rural areas. These contours were produced based on a digital elevation model (DEM) derived from LiDAR data captured in 2007, and sonar bathymetric data captured in 2023. The topographic elevation information presented on this map represents ground elevation, and does not include buildings or vegetation cover.

The topographic information on this map was accurate as of 2007. Changes to topography since 2007 are not reflected on the map.

All elevations are referenced to the Canadian Geodetic Vertical Datum of 1928.

**BACKGROUND IMAGERY**

The background imagery was obtained from World Imagery in ArcGIS Pro and was captured in 2023 with a resolution of 0.3-0.5 meter.

**FLOOD WATER LEVELS**

Water levels for the 1:200-year (0.5%) flood were determined by a hydraulic study conducted in 2023 and 2024. The study results are documented in the report "Hydrodynamic Modelling and Flood Mapping Study for the Upper Assiniboine River: Shellmouth Dam to Brandon" (AECOM, March 2024). This Report also includes the flood levels for 1:20-year (5%), 1:50-year (2%), 1:100-year (1%), 1:200-year (0.5%), 1:300-year (0.33%) and 1:500-year (0.2%) floods. A copy of the report will be available to the public.

**DEFINITION**

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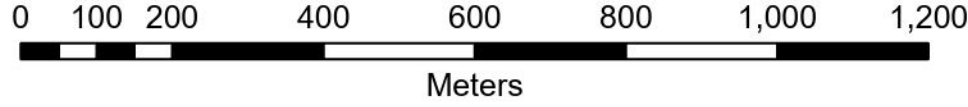
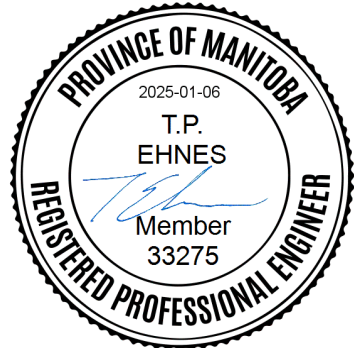
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ESTIMATED FLOOD EXTENT FOR THE ASSINIBOINE RIVER 200-YEAR FLOOD

Scale: 1:10,000

Map 6 of 36

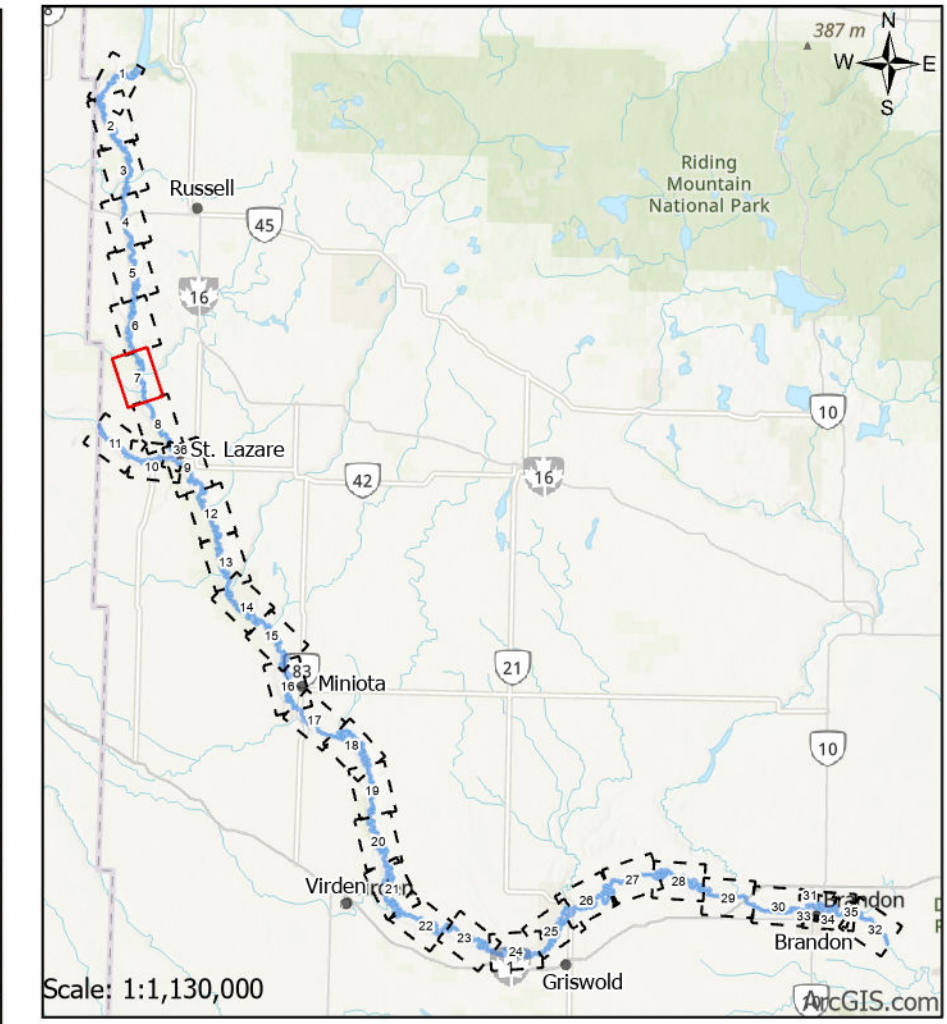
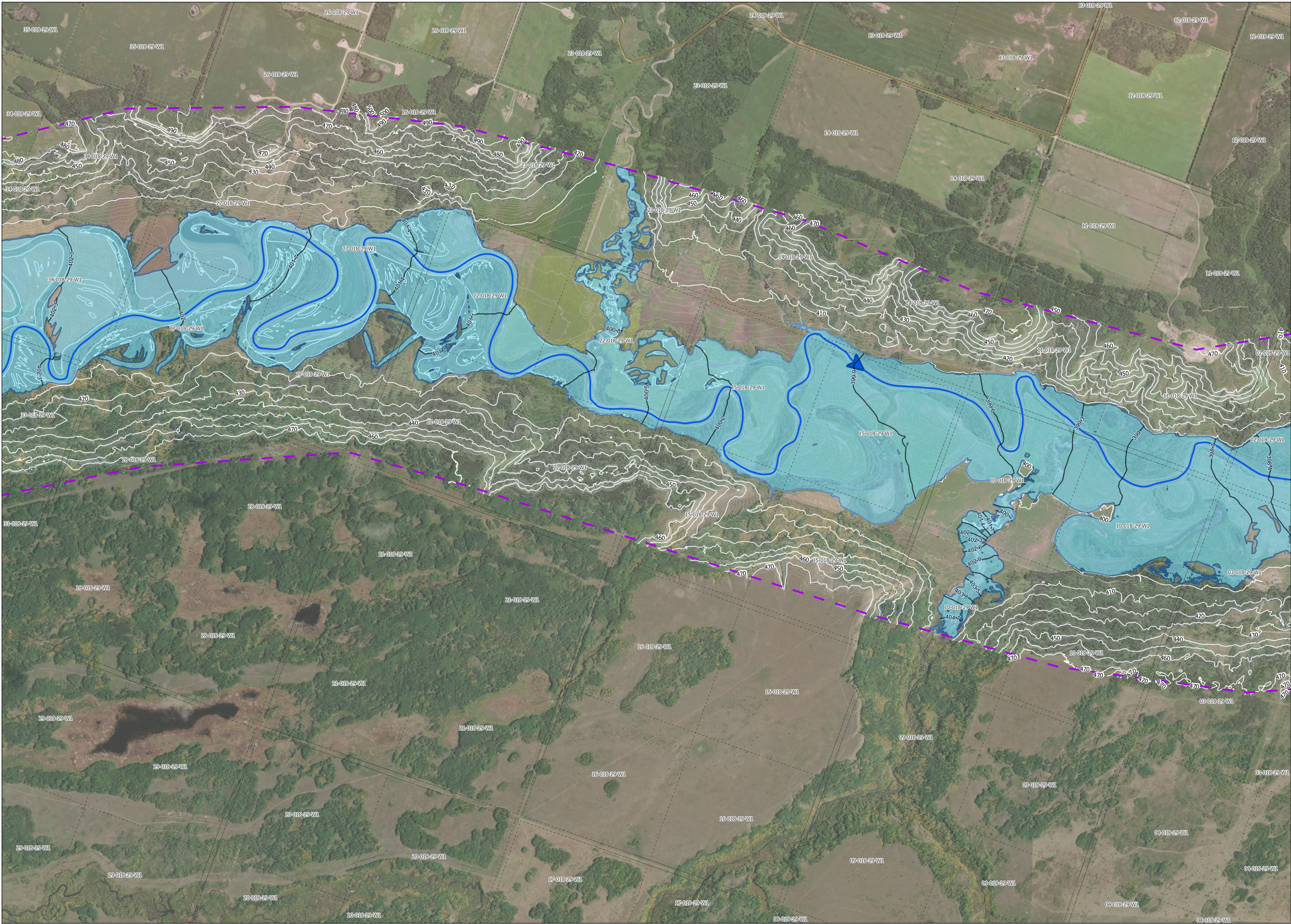
**Legend**

- Model Boundary
- 1:200 Year (0.5%) Flood Extent
- Cadastral Polygons

- River Centerline & Direction of Flow
- 1:200 Year (0.5%) Water Surface Elevations
- Bridges

- Dikes
- Roads
- Railways
- 10 Meters Contours
- 1 Meter Contours





**ABOUT THIS FLOOD HAZARD MAP**  
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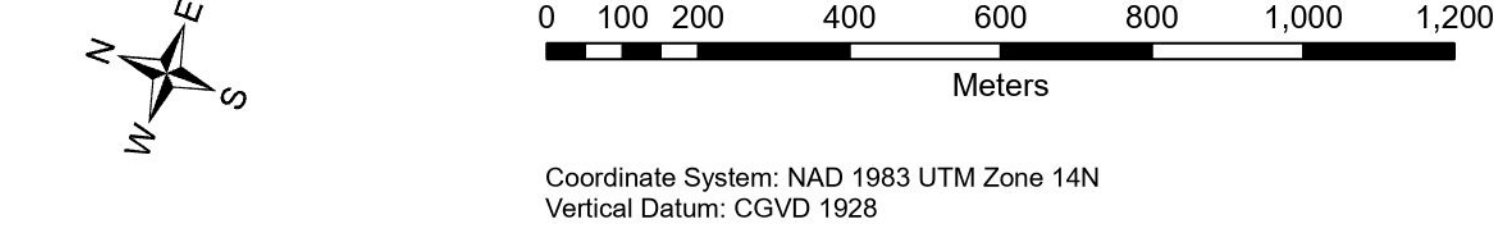
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