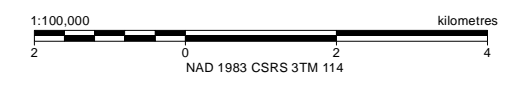
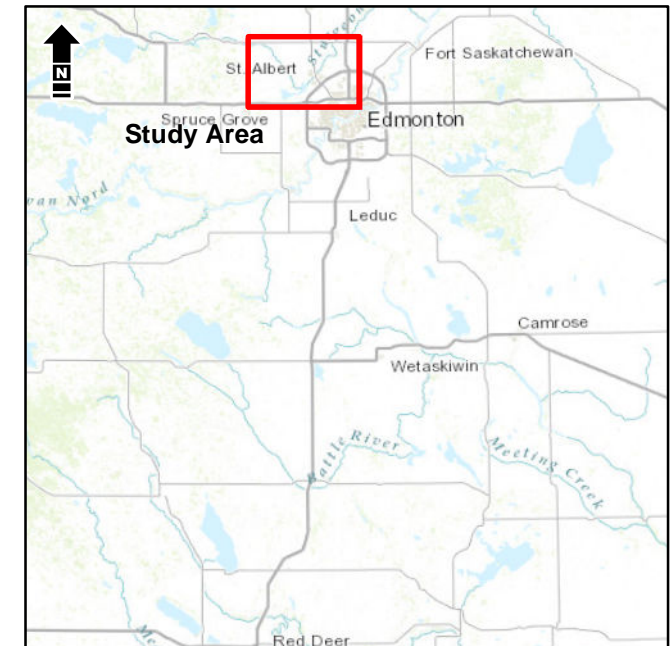
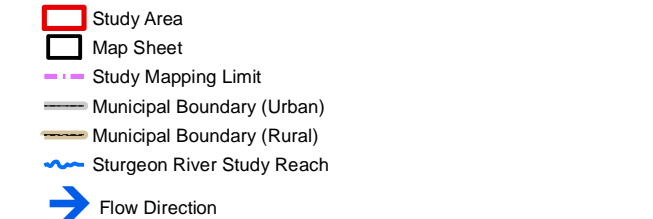
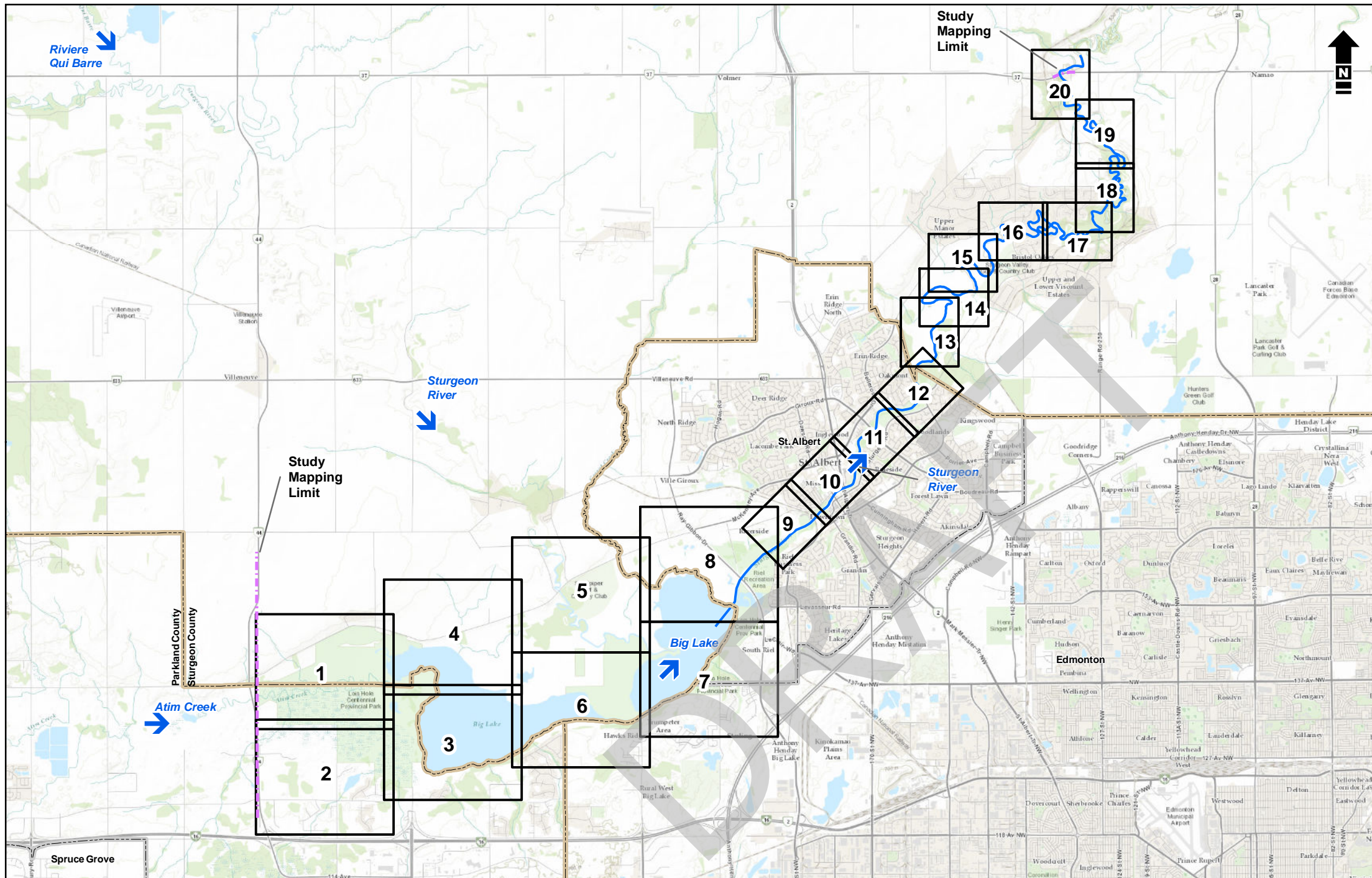


APPENDIX D  
Flood Inundation Maps

DRAFT





**Notes:**

- Please refer to the accompanying St. Albert Flood Hazard Study for important information concerning these maps.
- Within the flood inundation areas shown on this map, there may be isolated pockets of high ground. To determine whether or not a particular site is subject to flooding, reference should be made to the computed flood levels in conjunction with site-specific surveys where detailed definition is required.
- Non-riverine and local sources of water have not been considered, and structures such roads, railways or barriers such as levees can restrict water flow and affect local flood levels. Channel obstruction, local stormwater inflow, groundwater seepage or other land drainage can cause flood levels to exceed those indicated on the map. Lands adjacent to a flooded area may be subject to flooding from tributary streams not indicated on the maps.
- Backwater flood inundation along Big Lake was mapped using the most upstream cross-section of the hydraulic model.

**Definitions:**

**Flood Inundation Mapping** - Delineates flood inundation areas, showing the extent of one or more flood scenarios under existing conditions. Depending on the particular flood scenario, the mapping may be divided into multiple zones. Flood inundation mapping is typically used for near real-time emergency response planning and operations.

**Flood Inundation Area** - The area inundated during a particular flood scenario under existing conditions. The flood inundation area may be divided into multiple zones, including areas inundated due to potential flood control structure failure. Flood inundation areas may change as a result of future development or flow obstructions.

**Flood Scenario** - Flow conditions that describe a particular flood event. Flood scenarios typically represent a range of flows, based either on flood frequency analysis or set flow intervals. The flood scenarios included with this map set include the 2-year, 5-year, 10-year, 20-year, 35-year, 50-year, 75-year, 100-year, 200-year, 350-year, 500-year, 750-year and 1000-year flood events.

**References:**

Data obtained from AltaLIS © Government of Alberta and GeoBase® used under license.

Aerial imagery acquired by OGL Engineering on May 26, 2019 for Alberta Environment and Parks.

Additional Base Mapping available ESRI Base Mapping and Imagery Services.

Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community



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## Open Water Inundation Index Map

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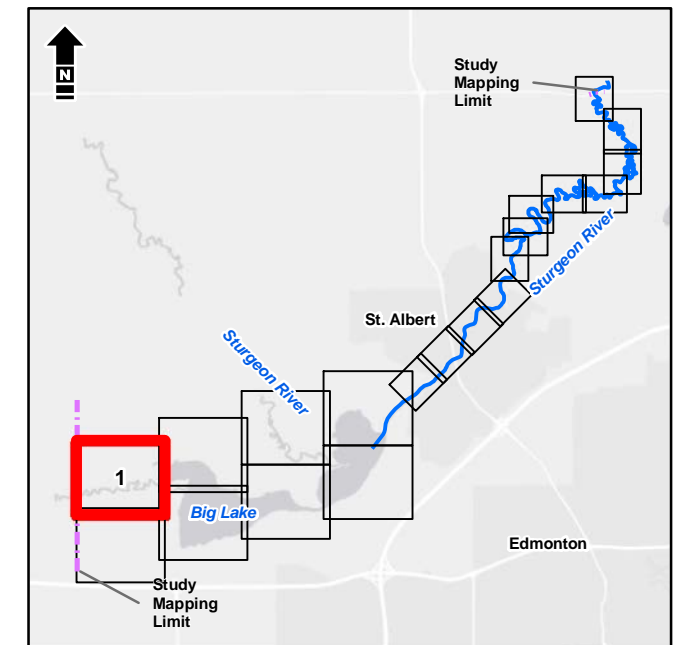
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1:10,000 metres  
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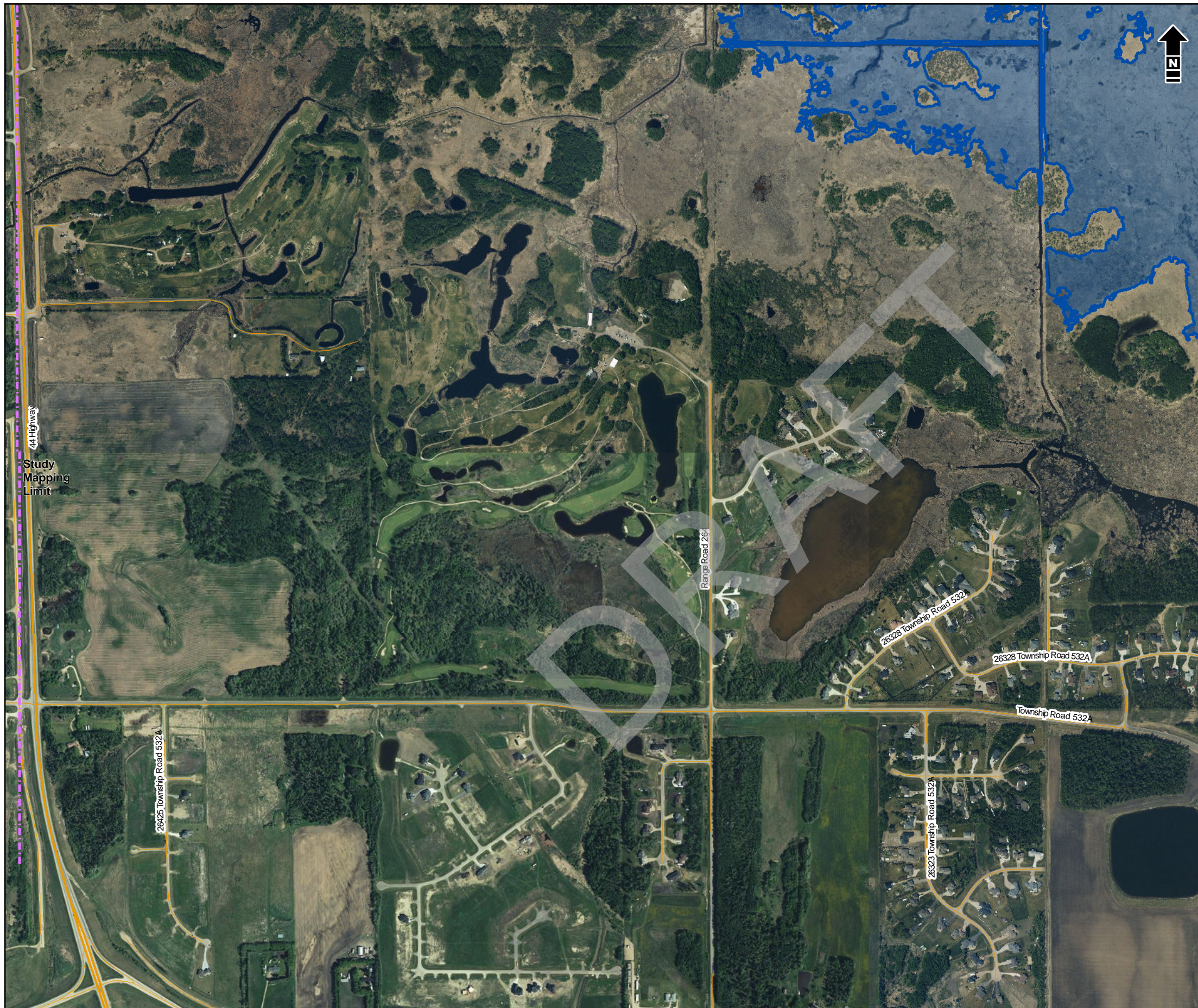
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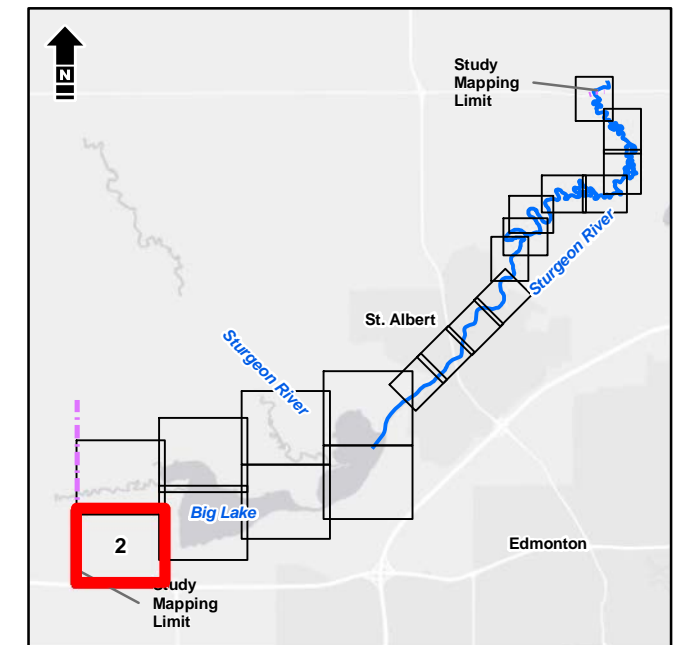
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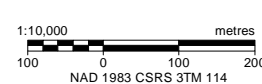
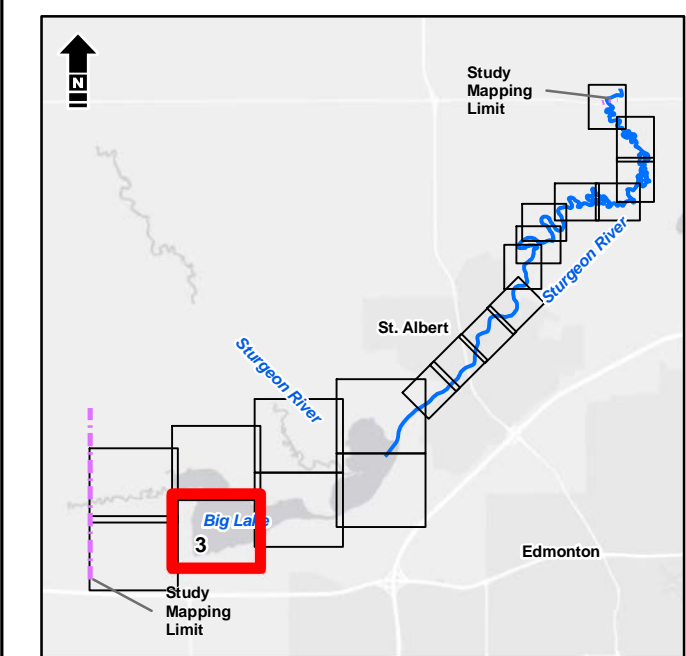
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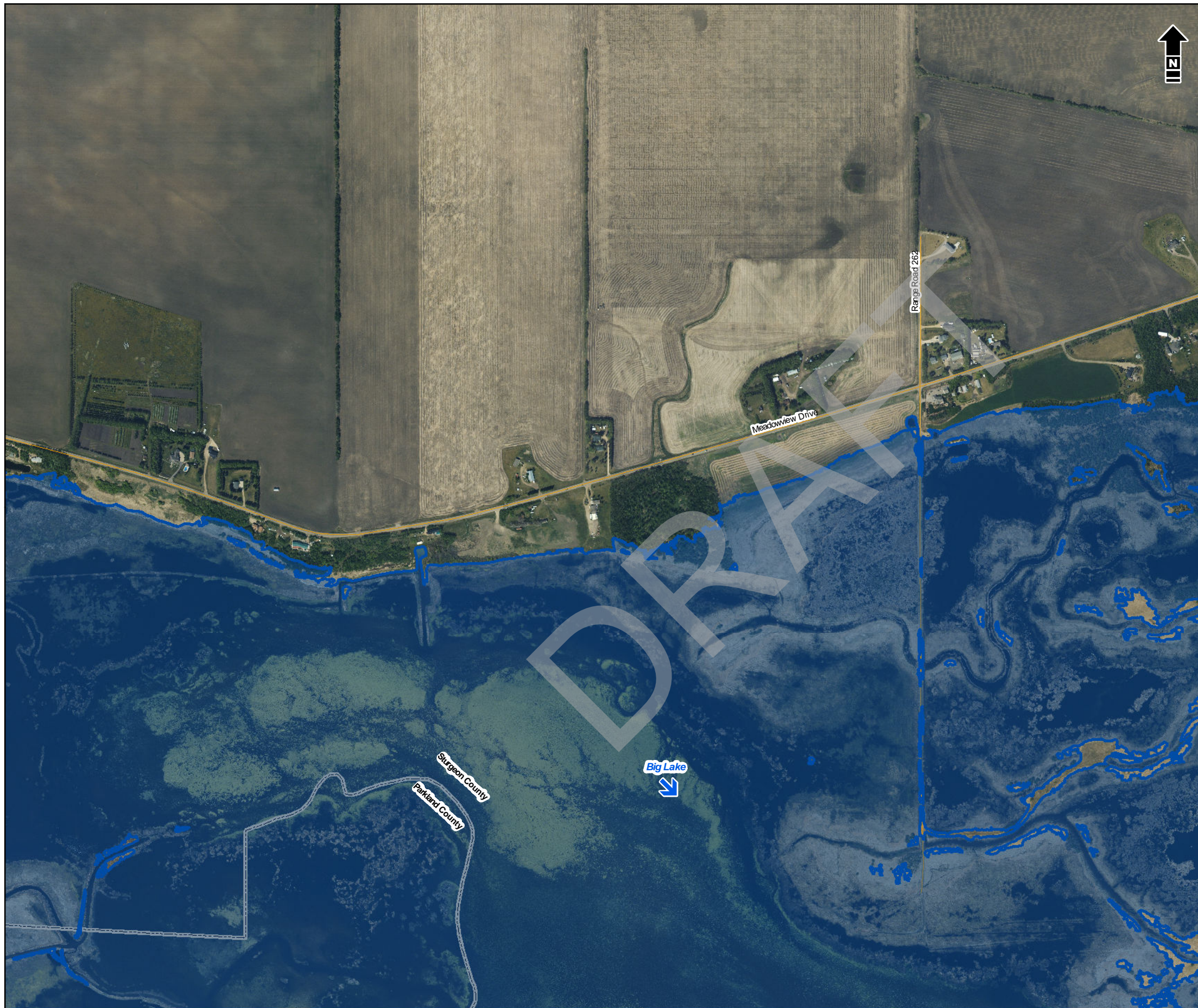
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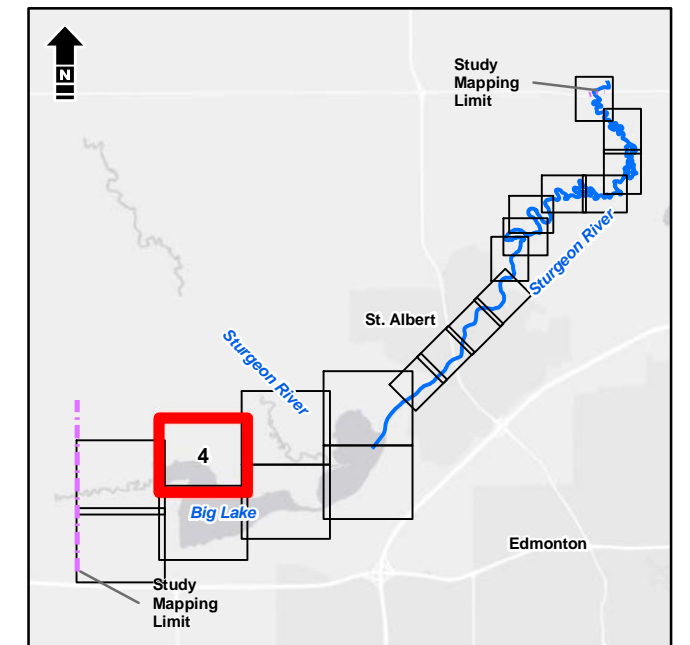
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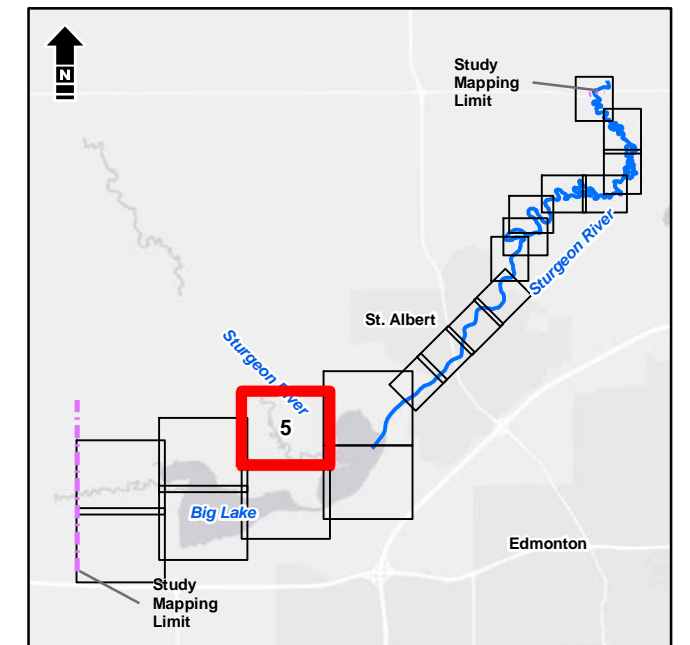
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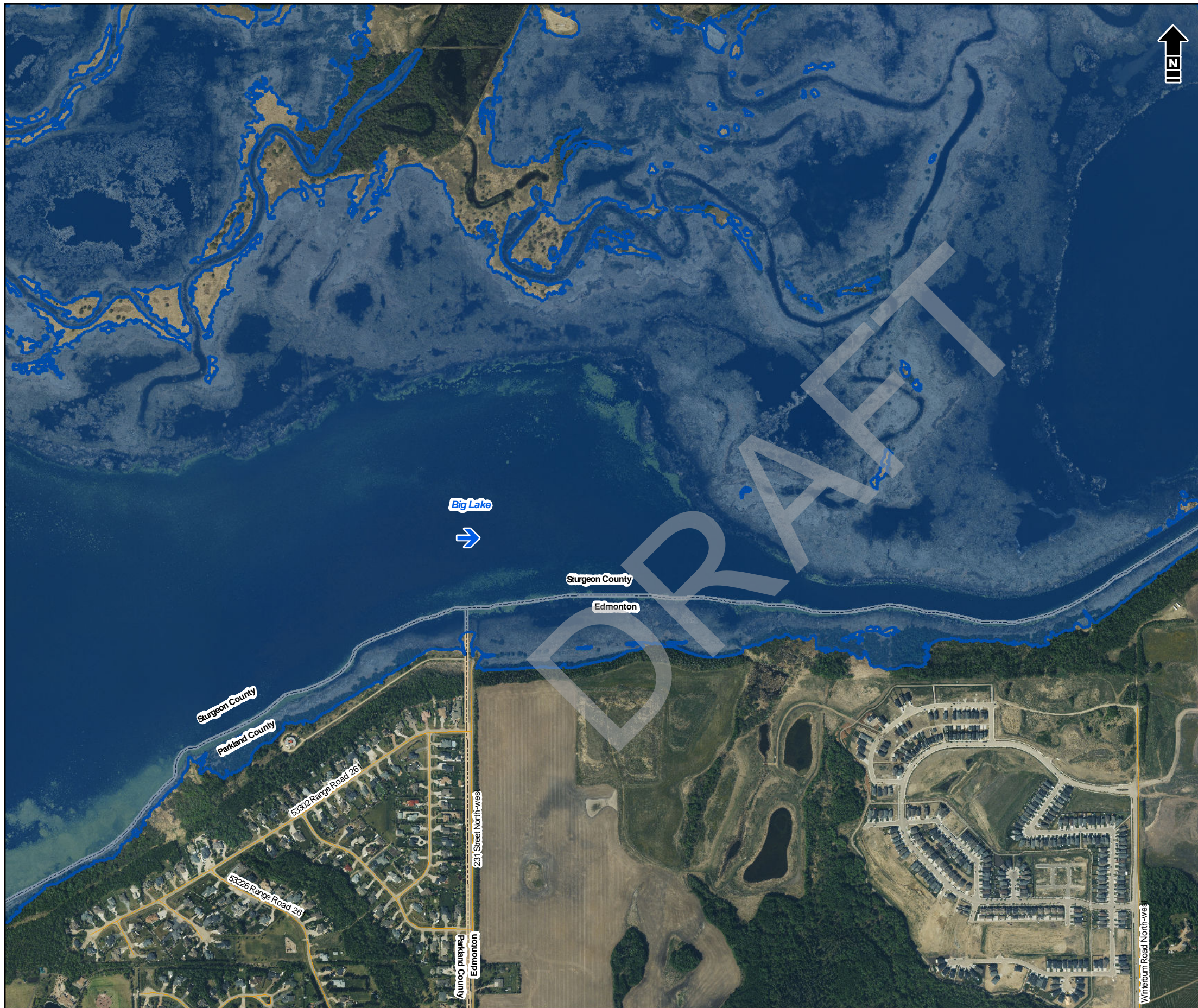
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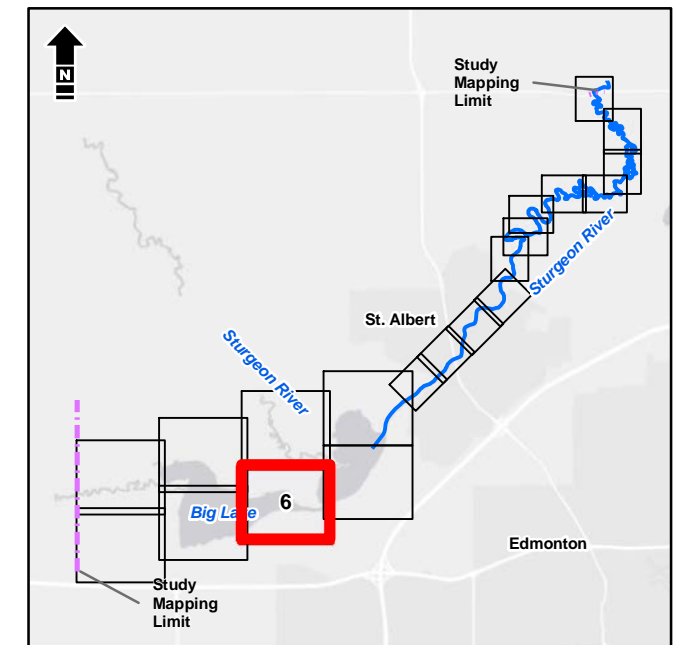
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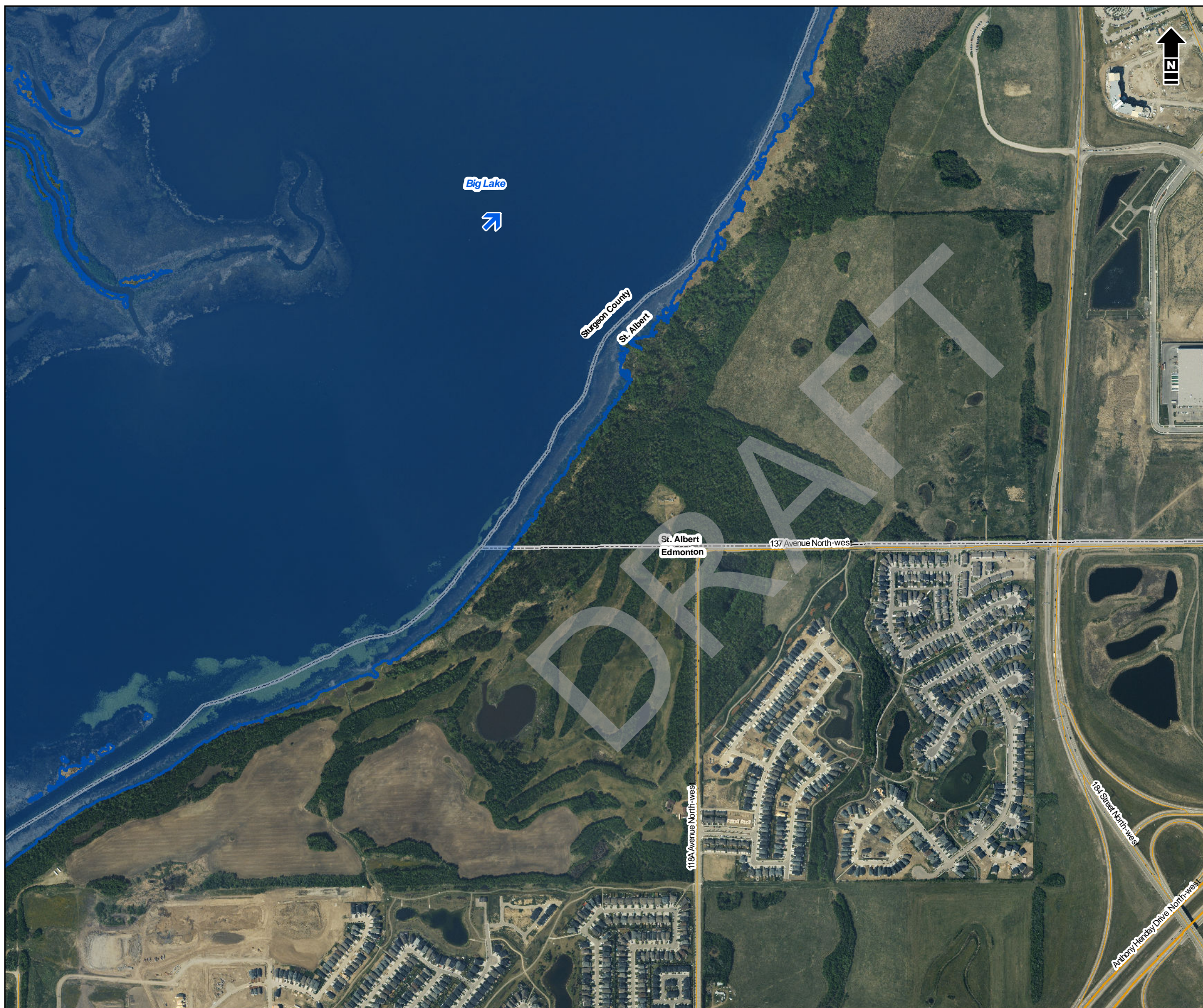
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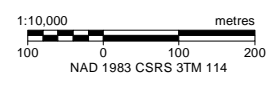
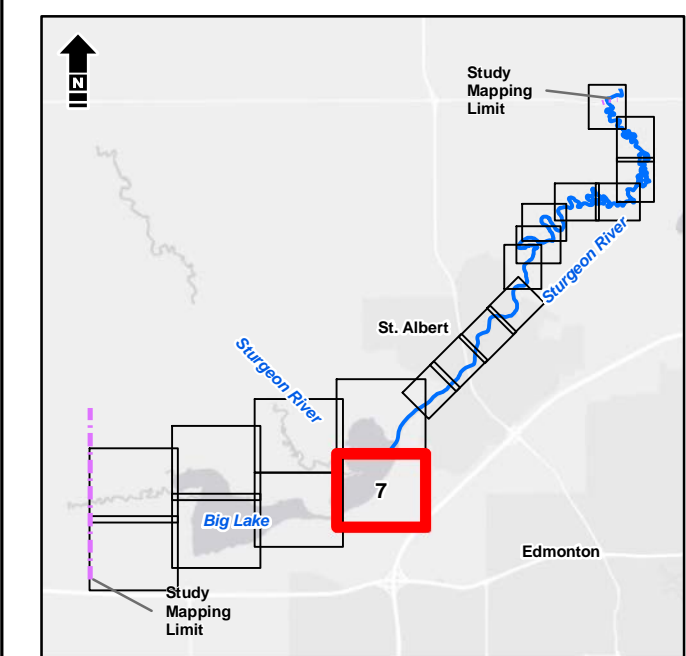
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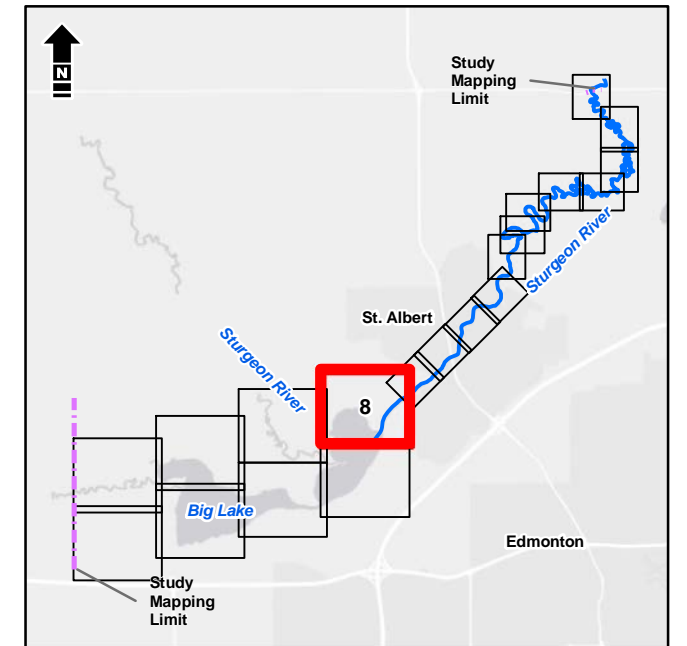
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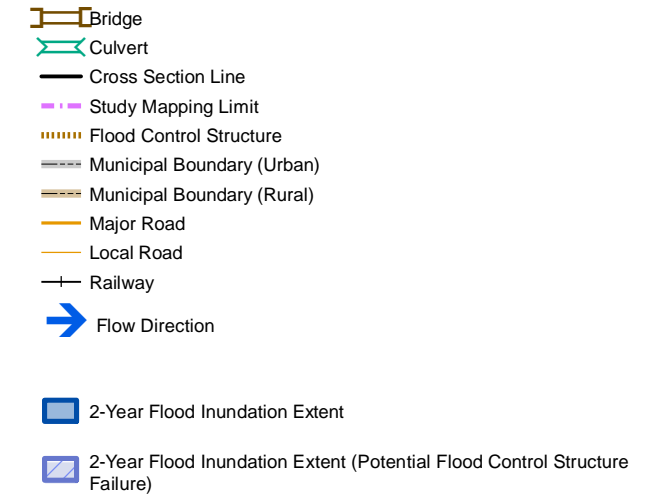
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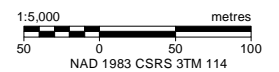
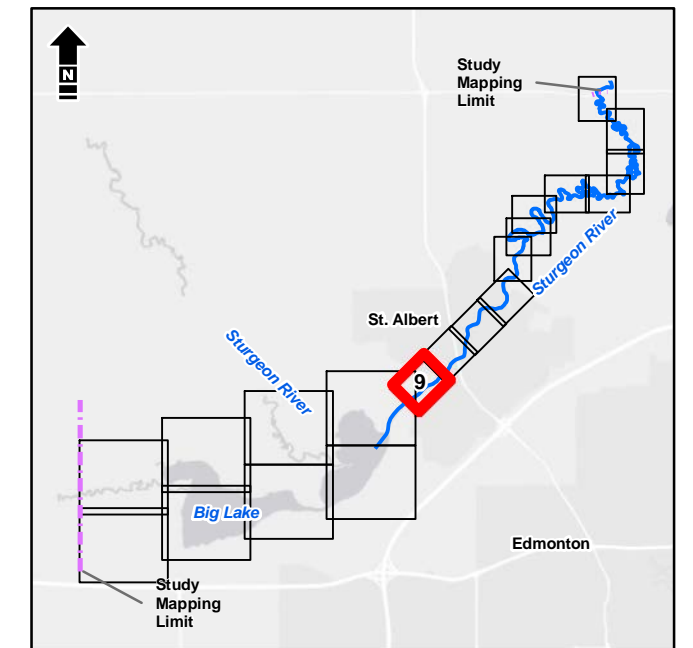
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Sturgeon River = 14 m<sup>3</sup>/s



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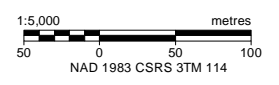
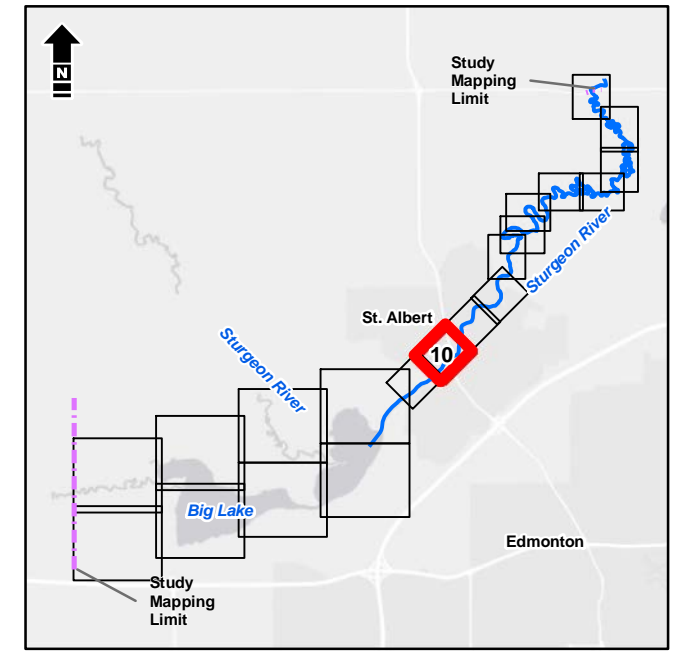
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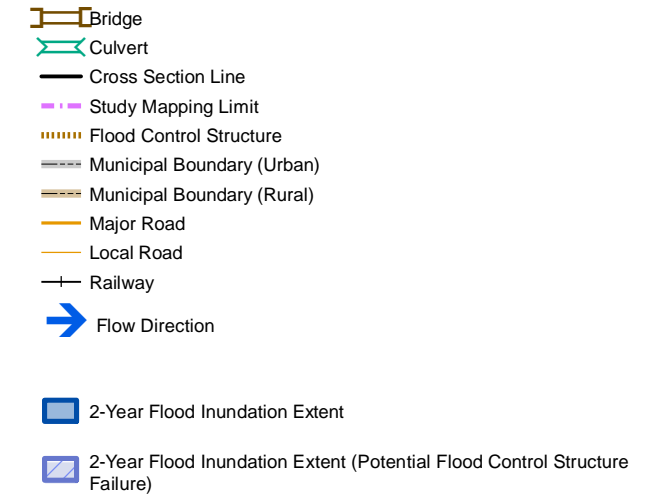
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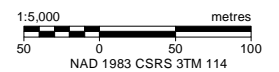
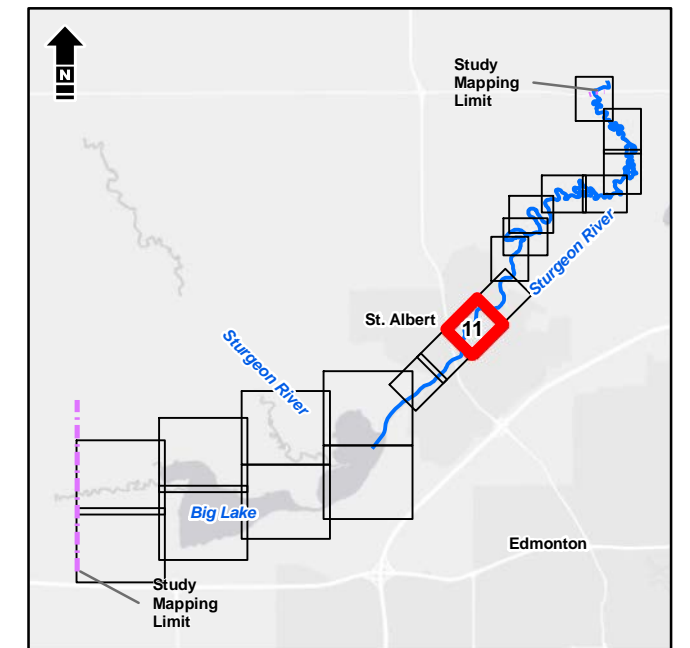
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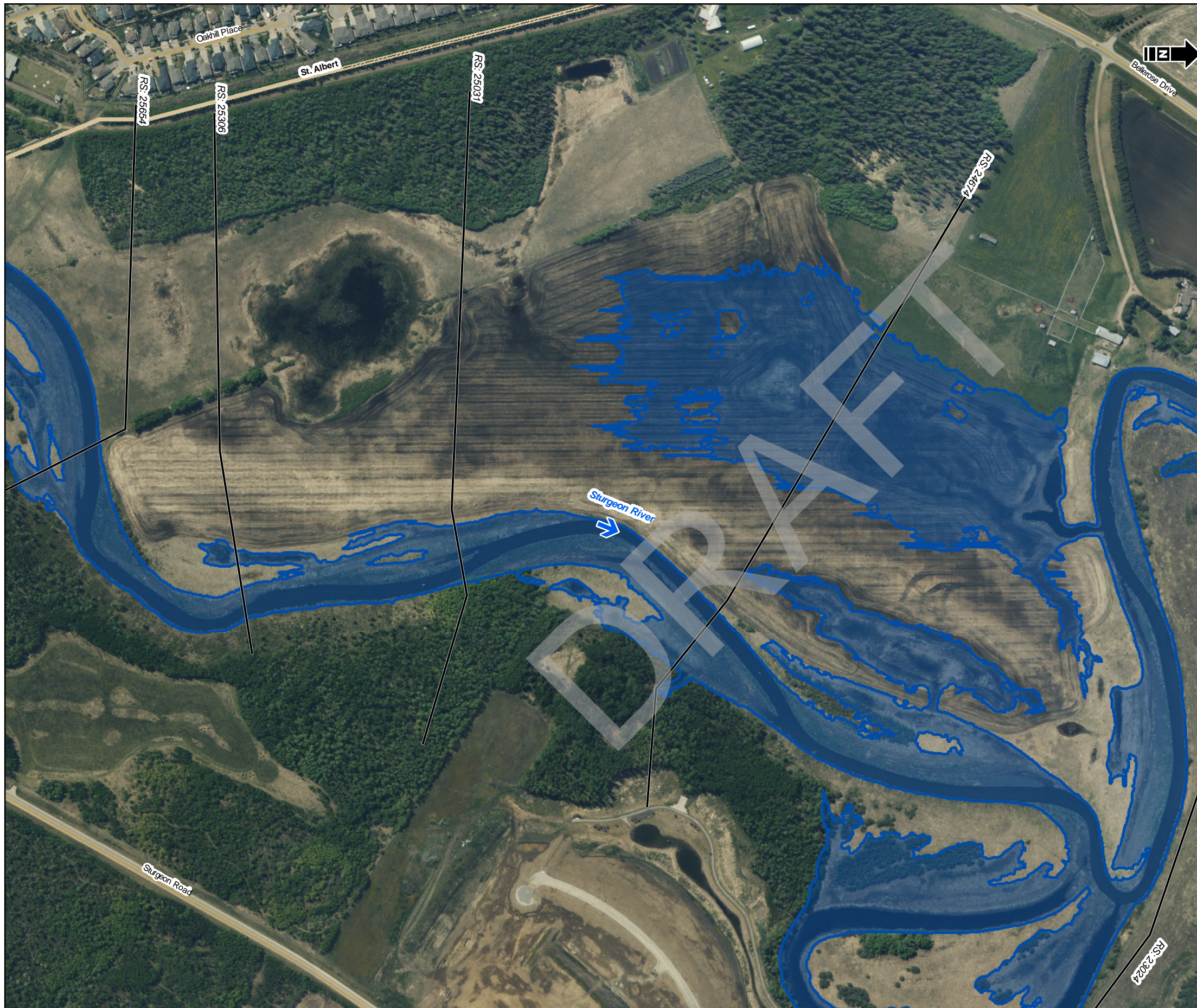
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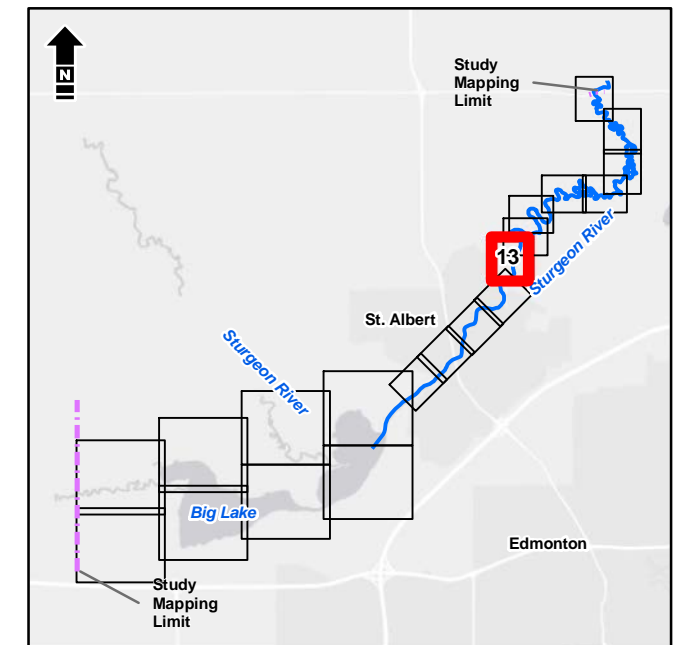






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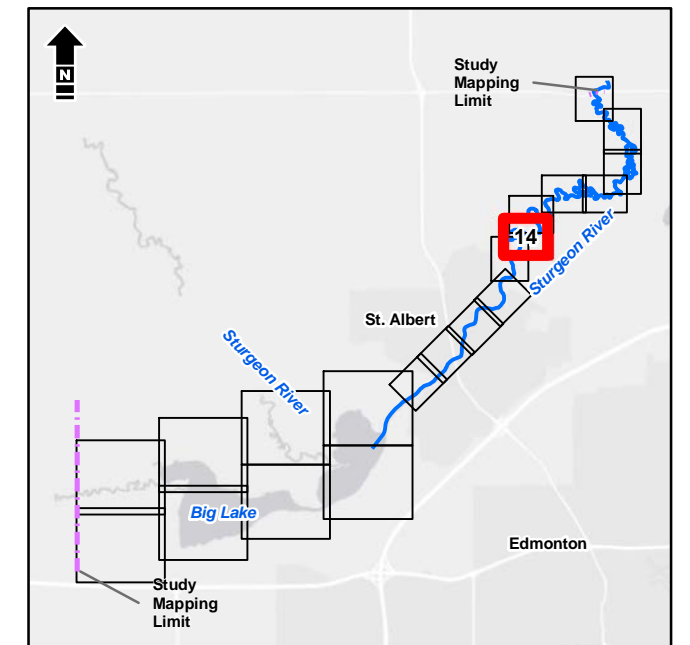
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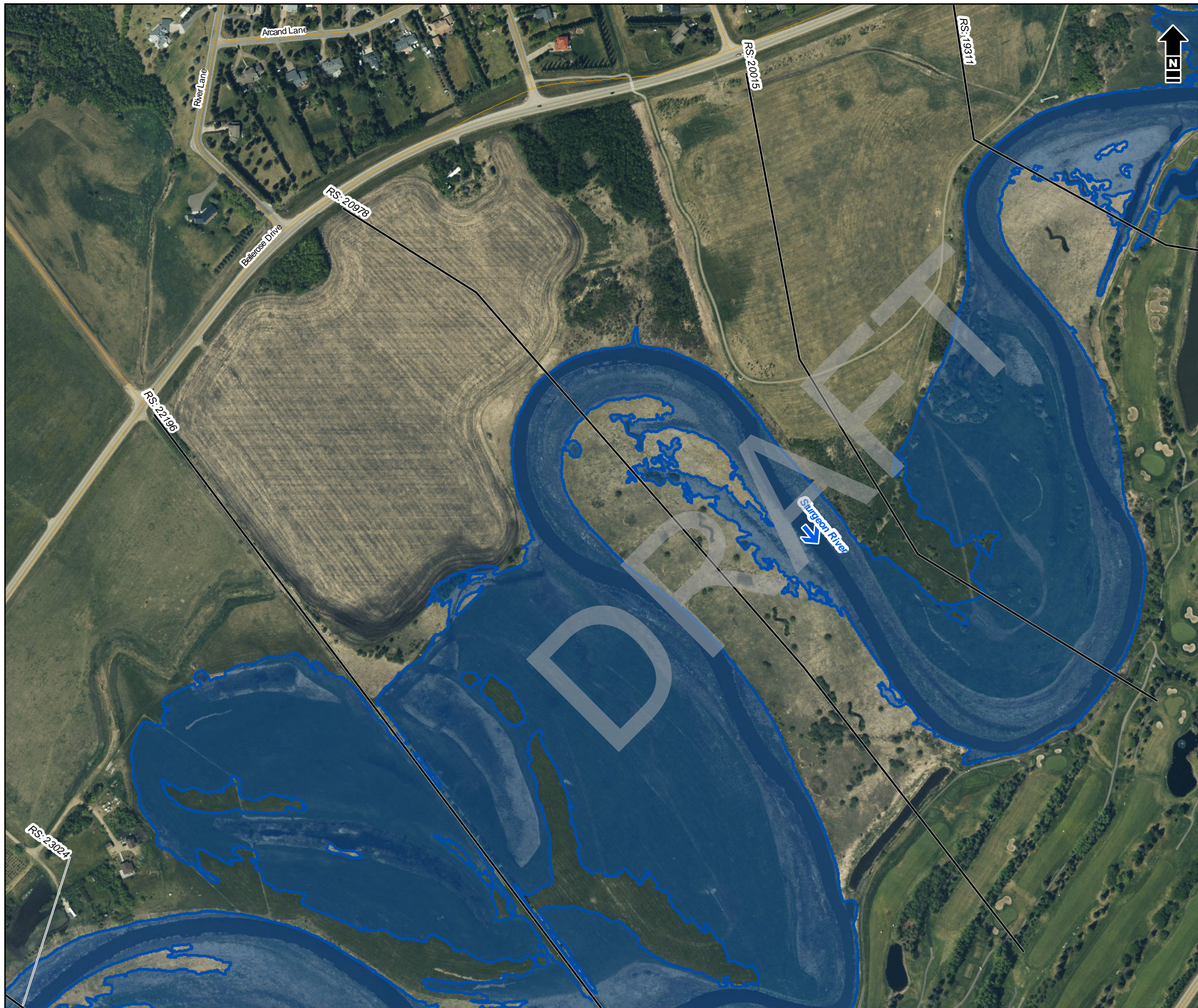
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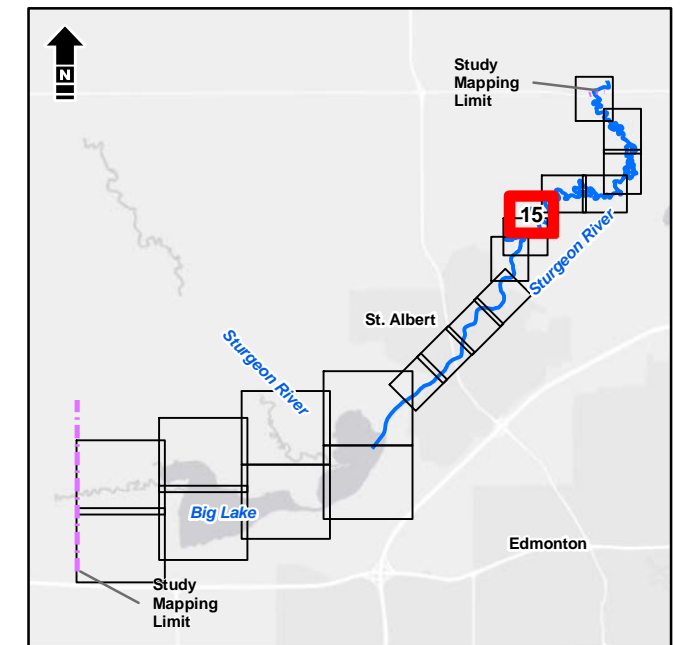
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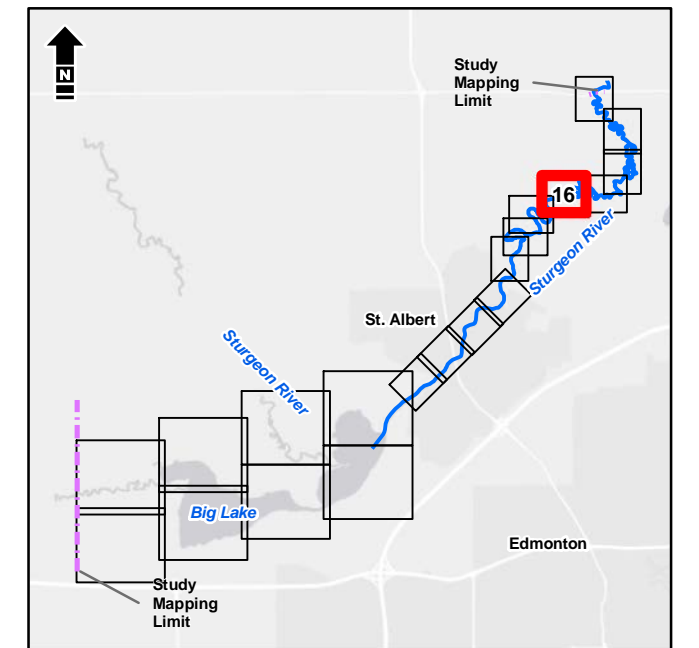
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- 2-Year Flood Inundation Extent
  - 2-Year Flood Inundation Extent (Potential Flood Control Structure Failure)

**DISCHARGE**  
Sturgeon River = 14 m<sup>3</sup>/s



1:5,000 metres

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Alberta Government  
St. Albert Flood Hazard Study

**Open Water Flood Inundation  
Mapbook | 2-Year**

Date: March 2020 Project: 28312 Submitter: P. Rogers Reviewer: M. Shome

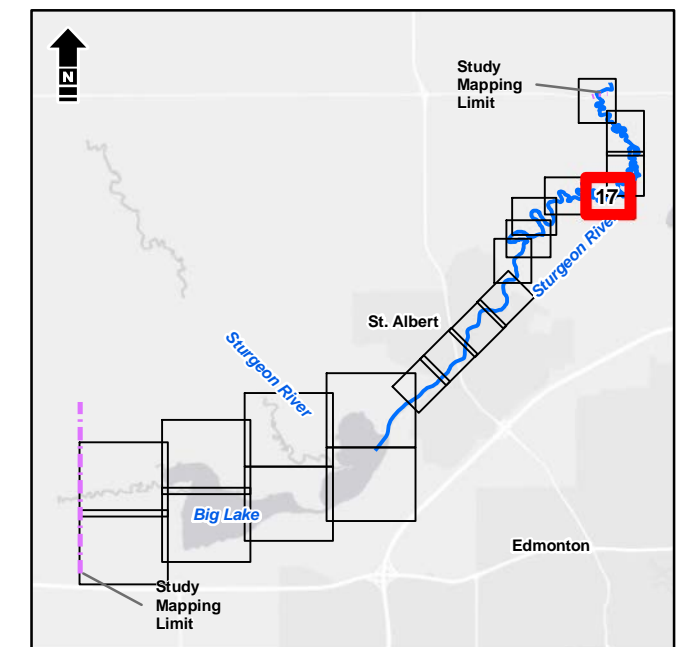
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NAD 1983 CSRS 3TM 114

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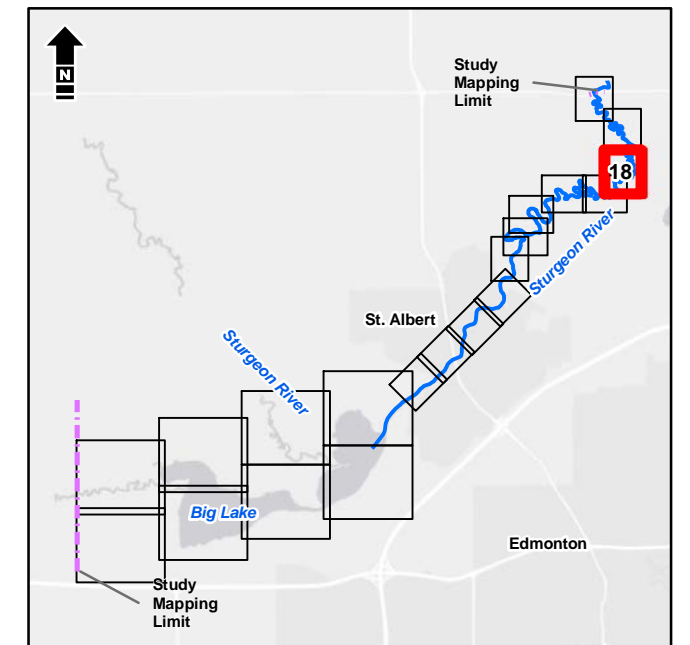
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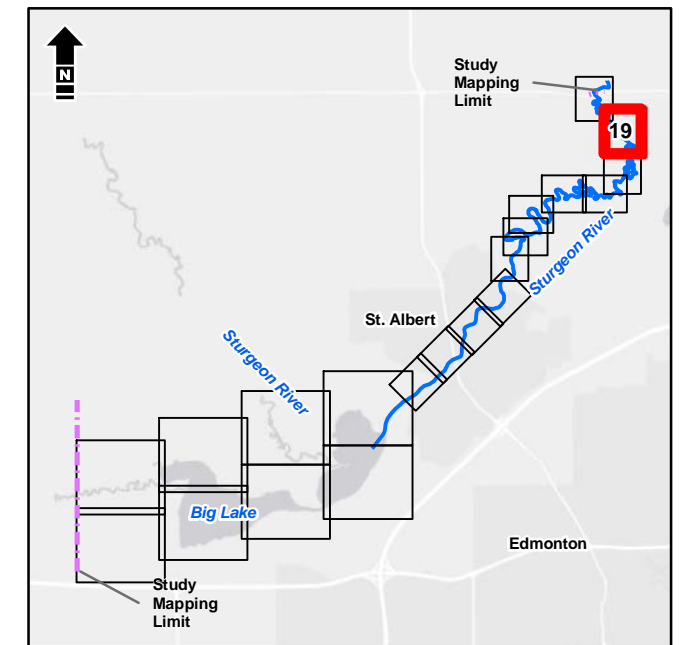
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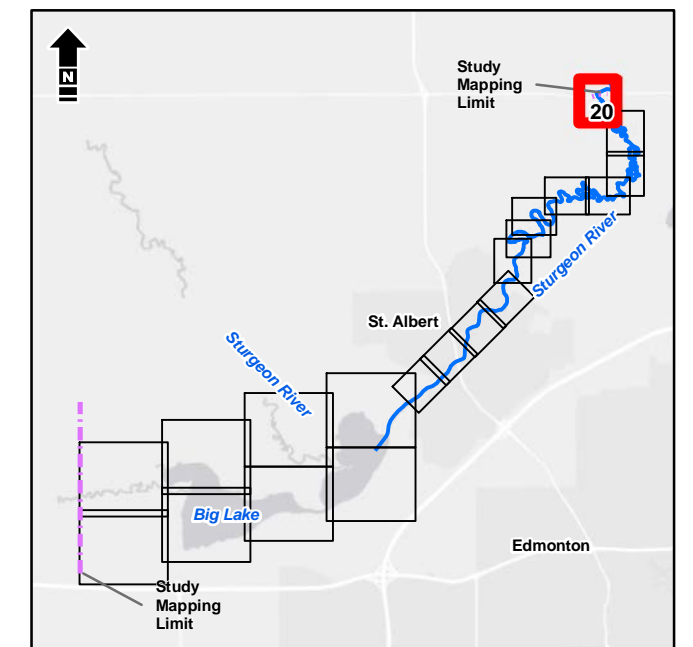
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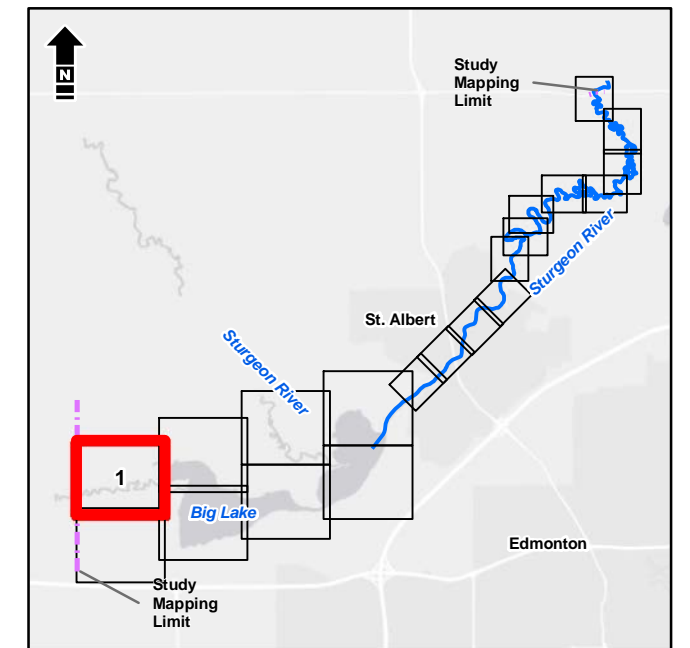
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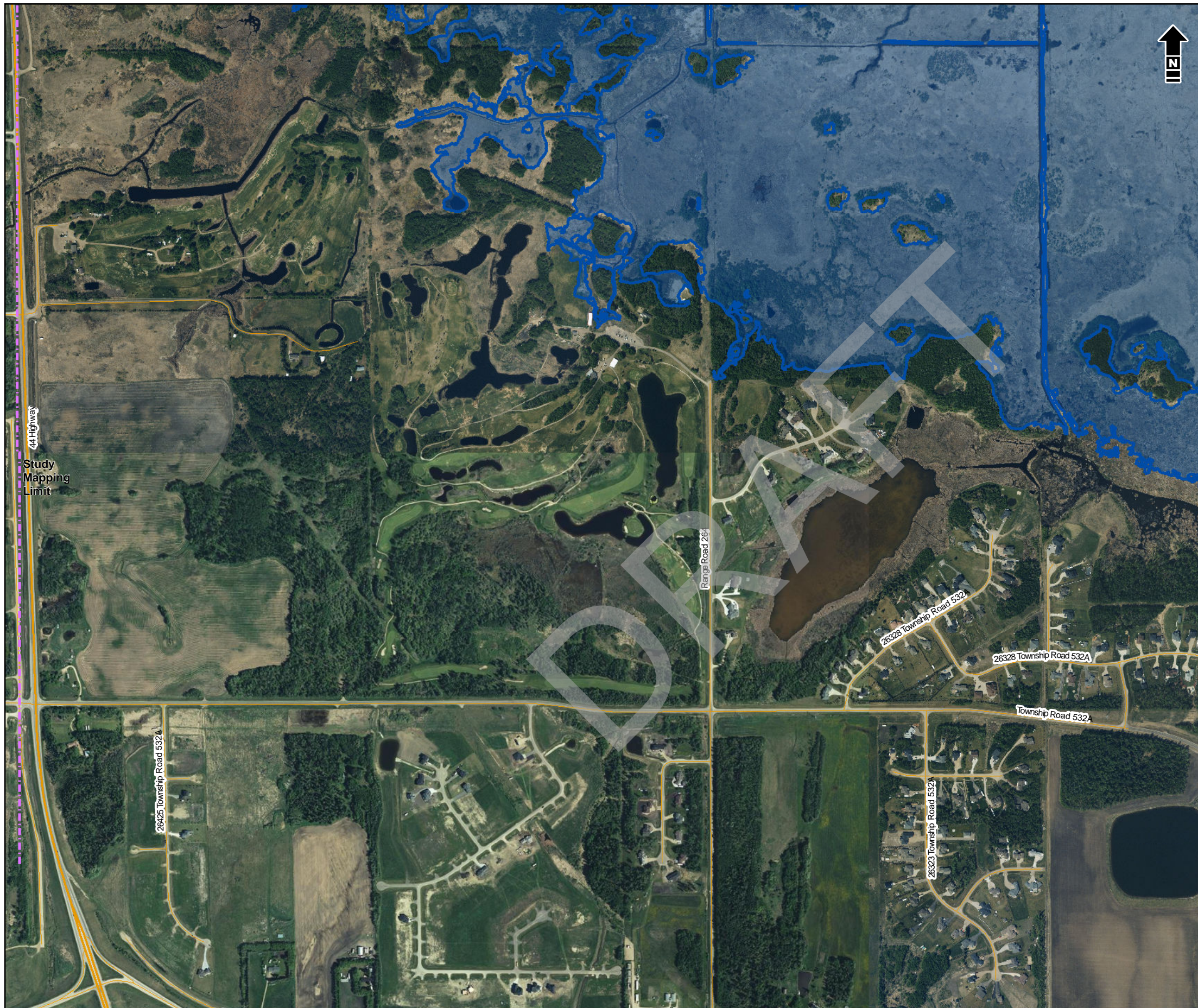
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 Mapbook | 5-Year**

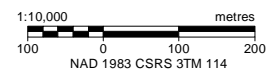
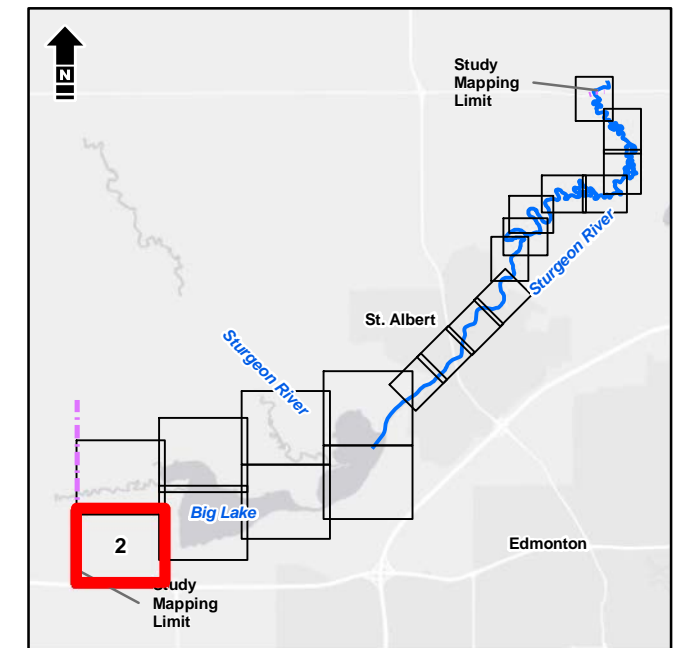
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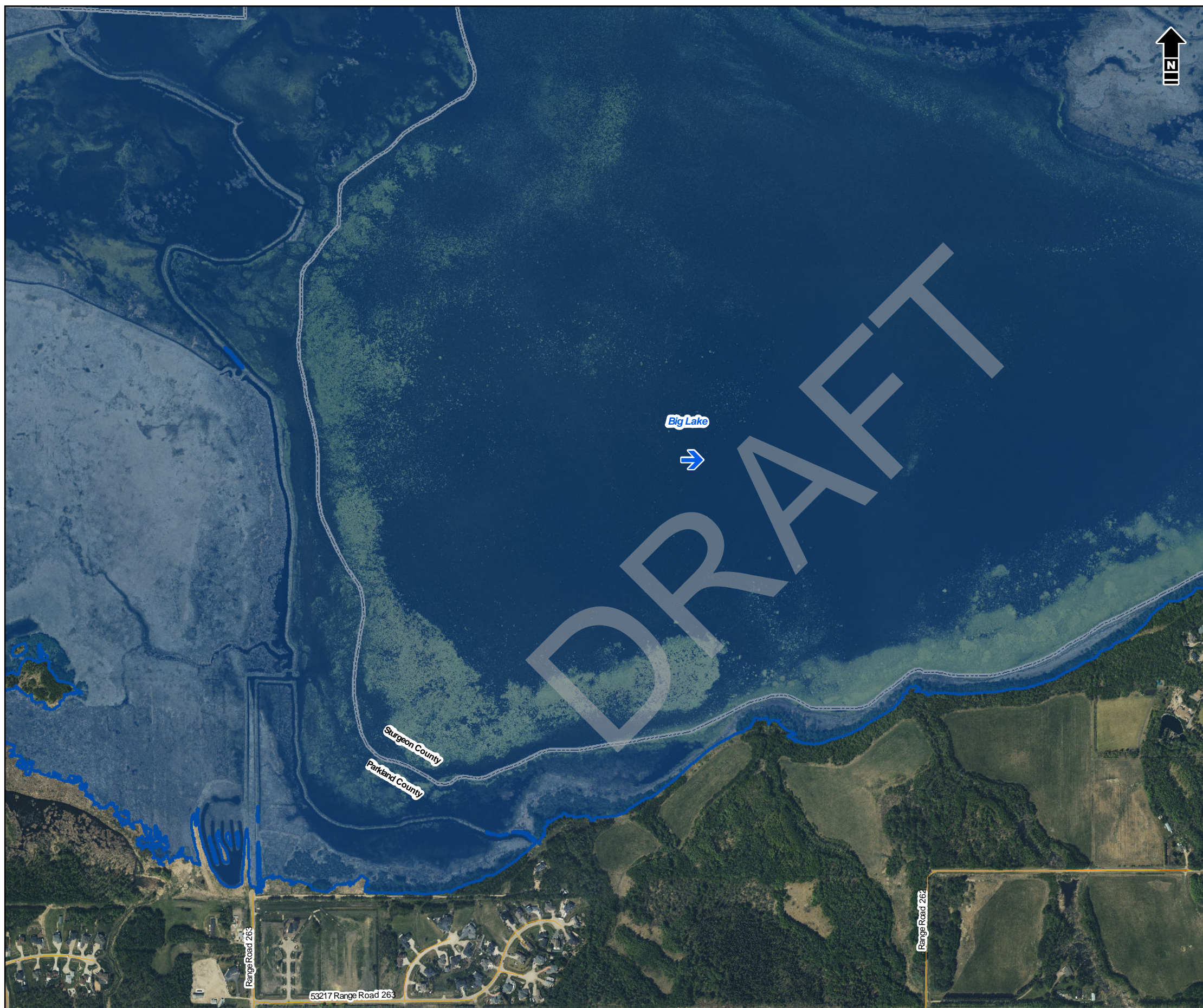
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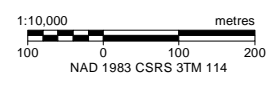
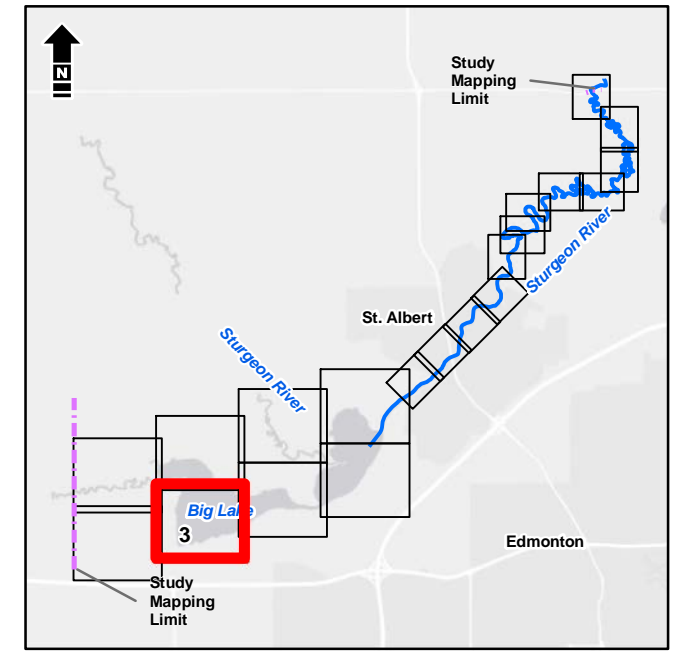
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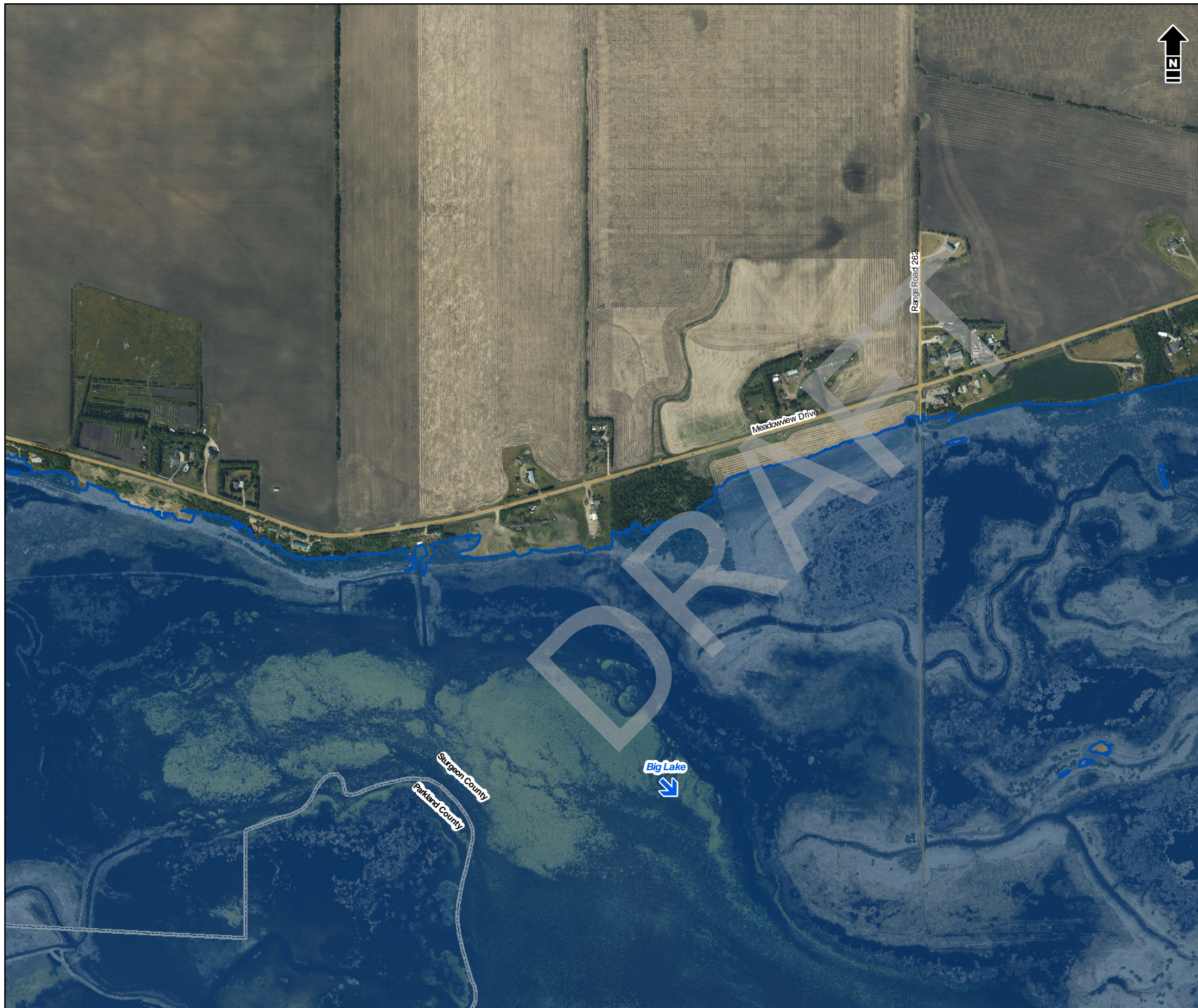
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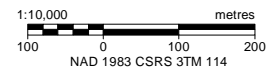
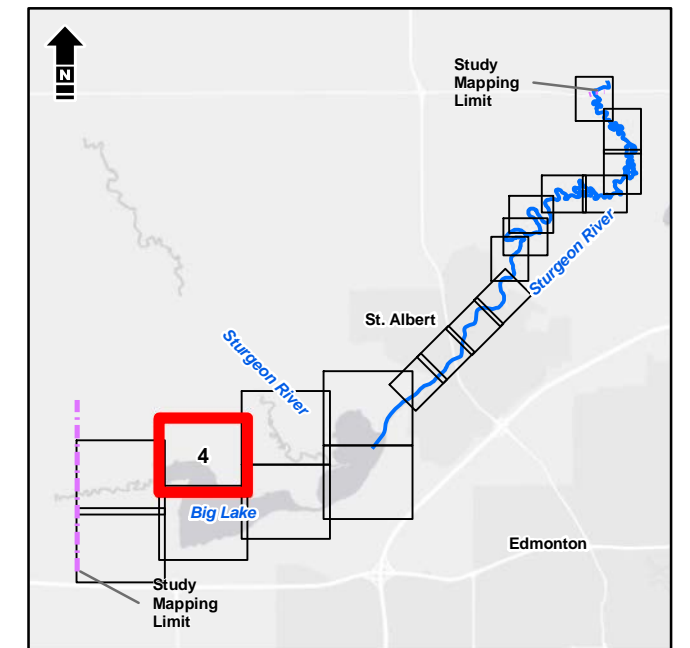
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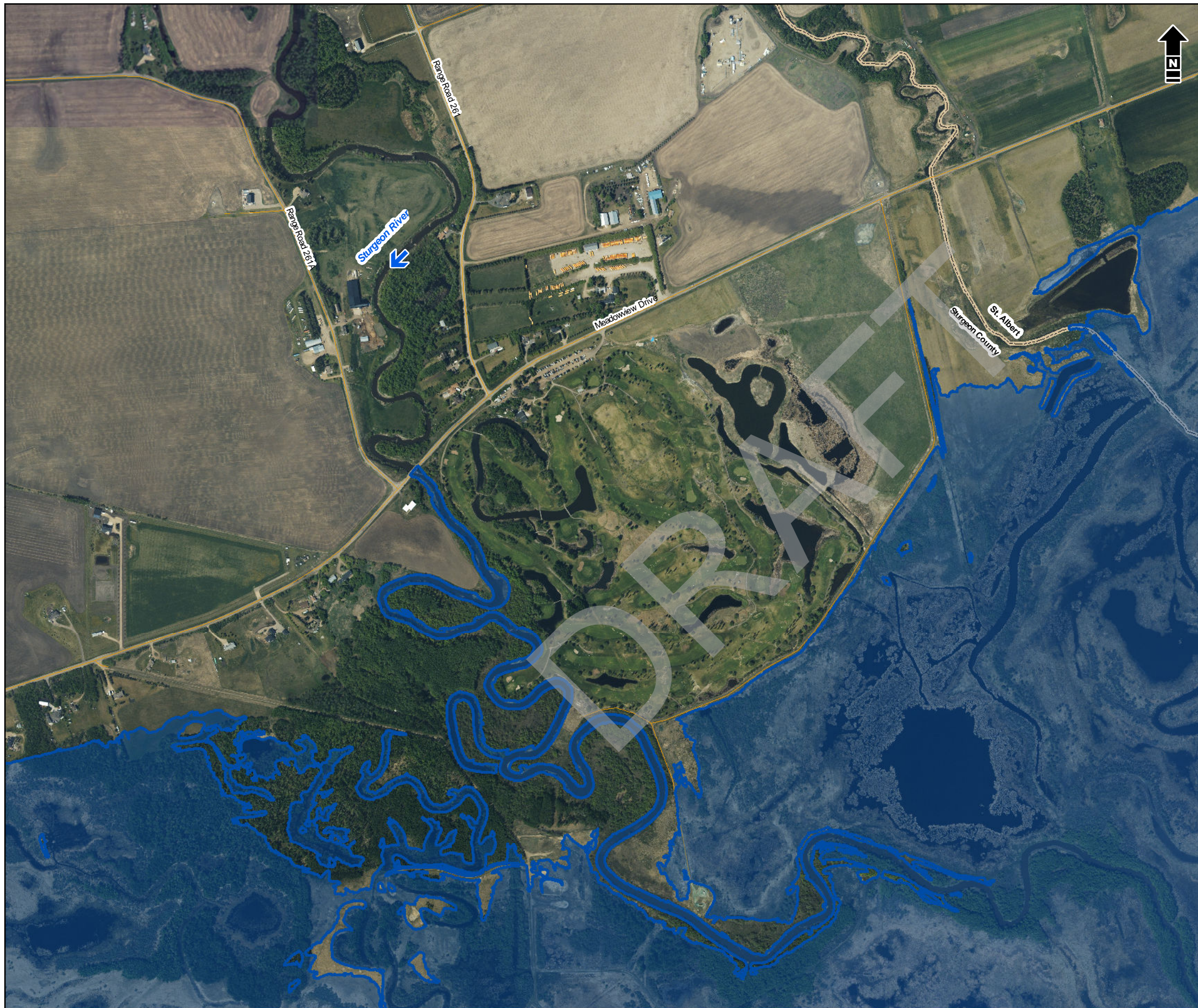
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 Mapbook | 5-Year**

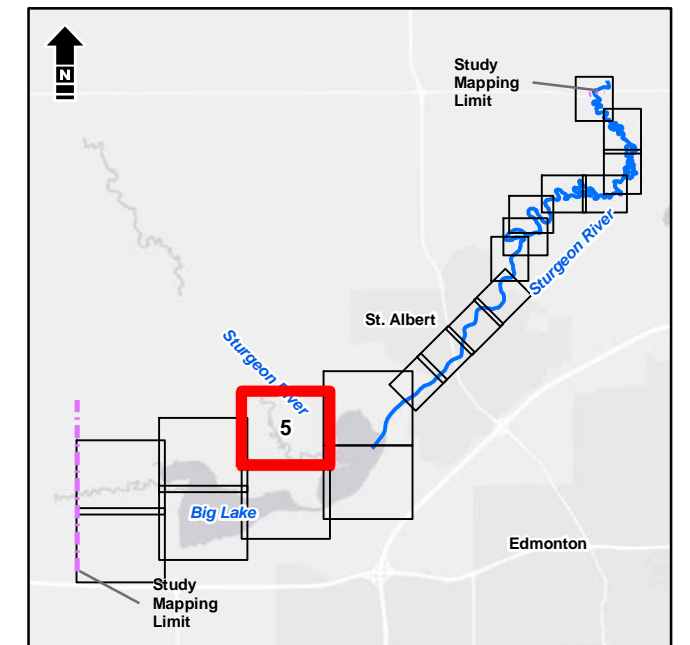
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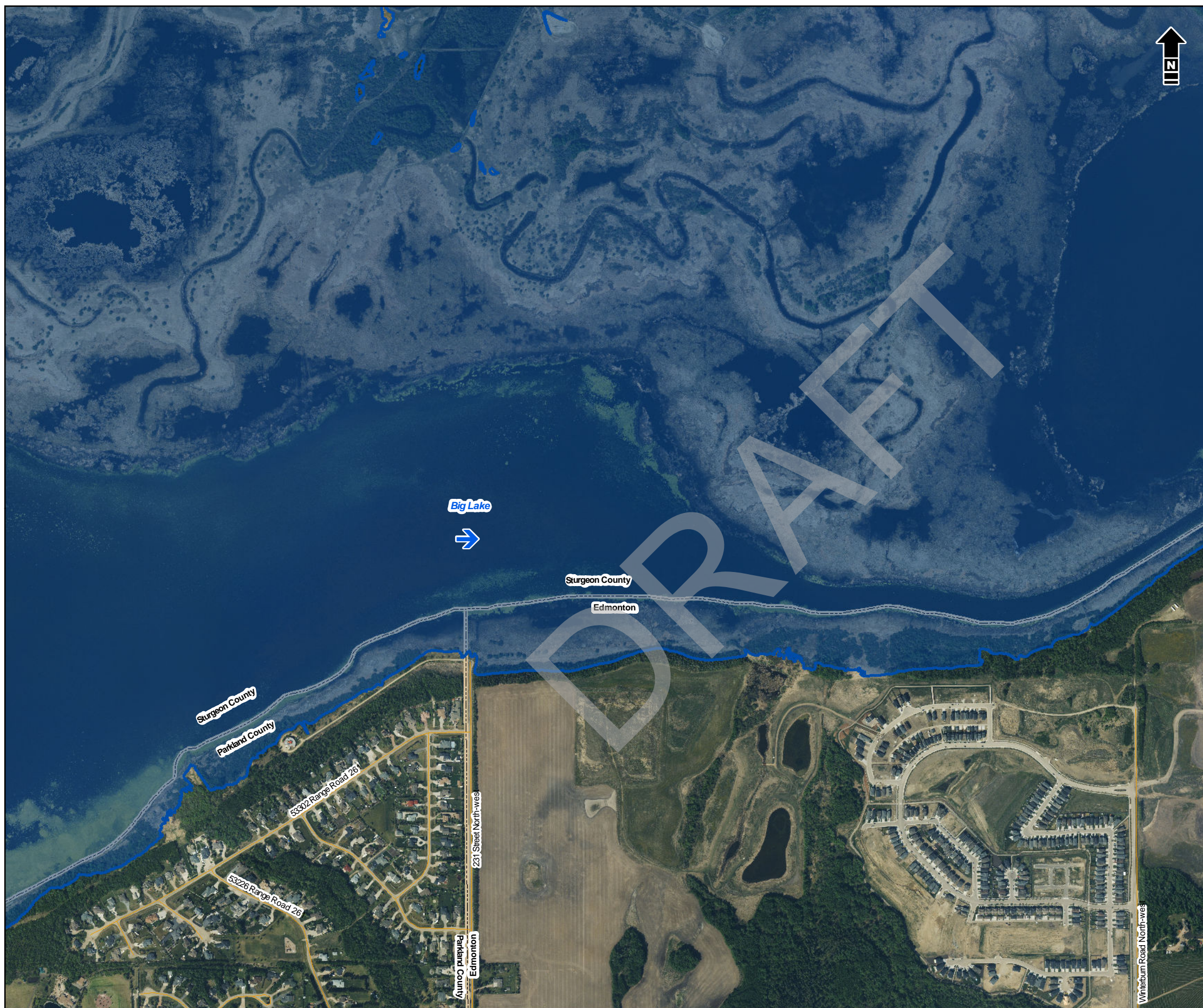
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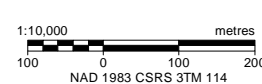
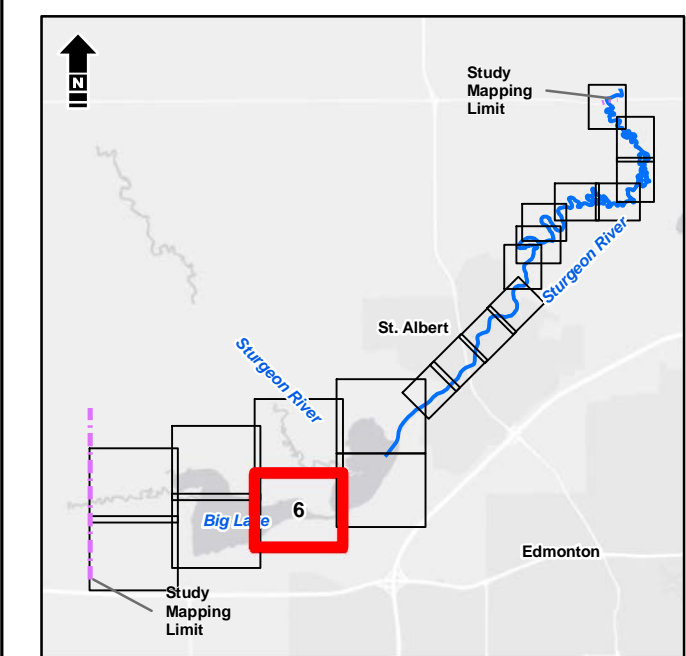
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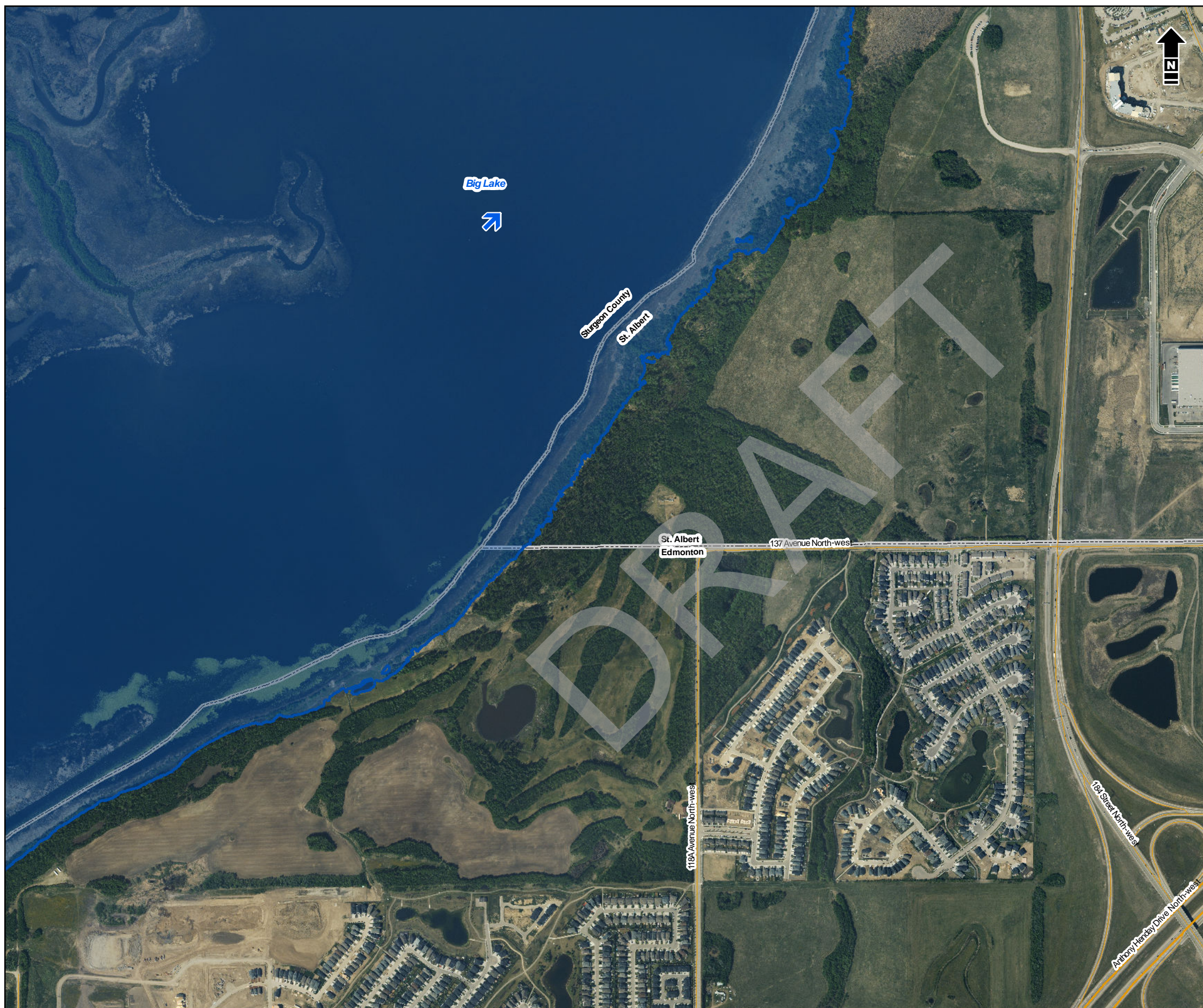
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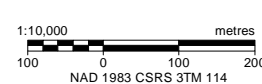
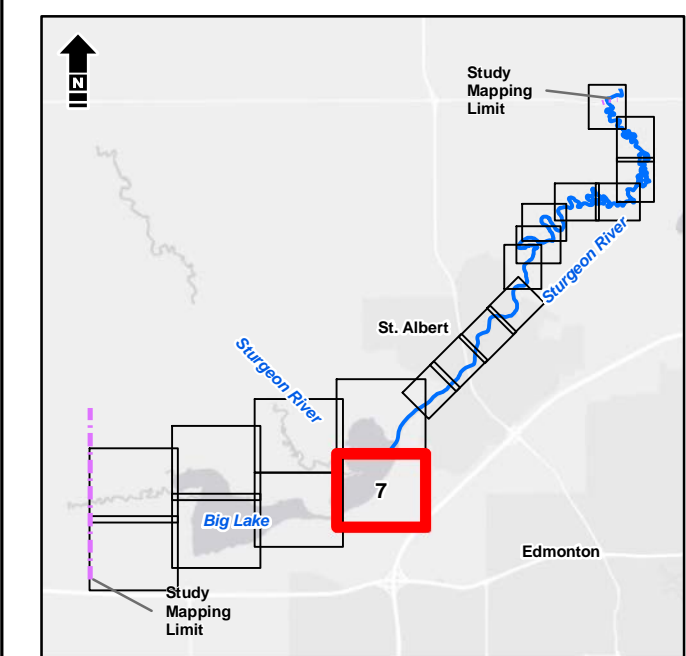
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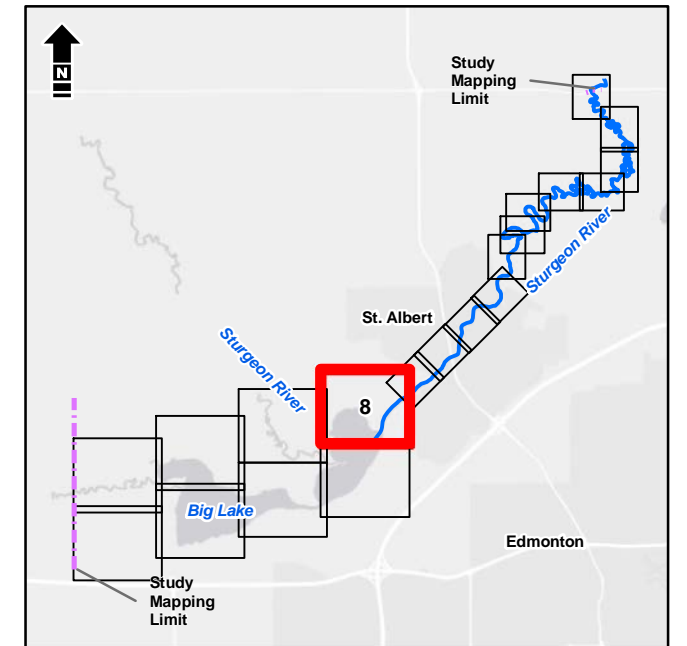
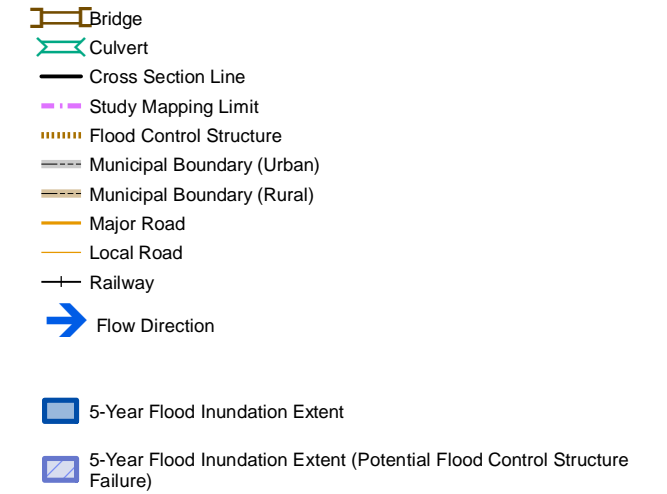
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Sheet 7 of 20





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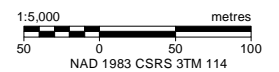
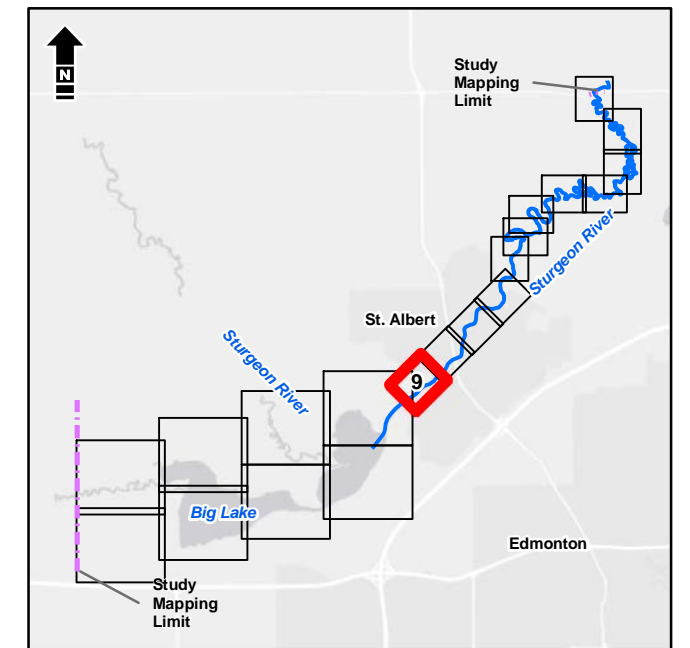
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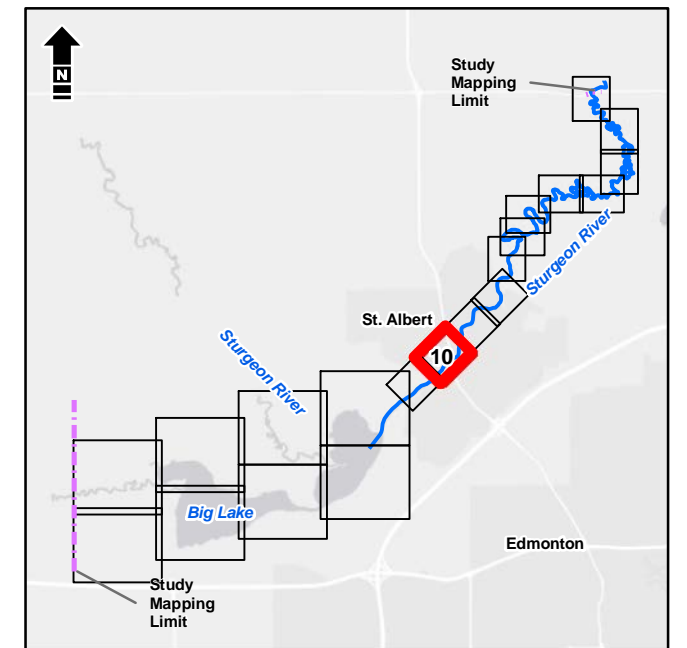
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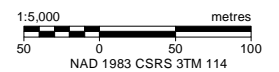
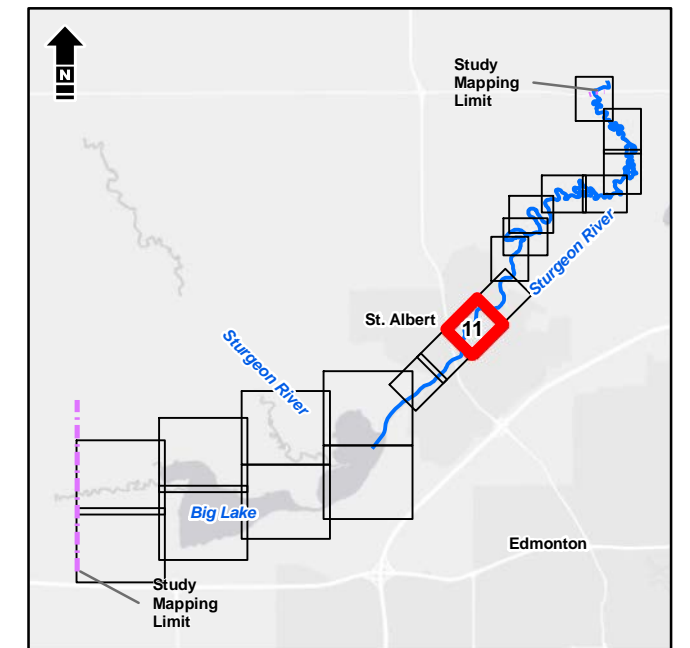
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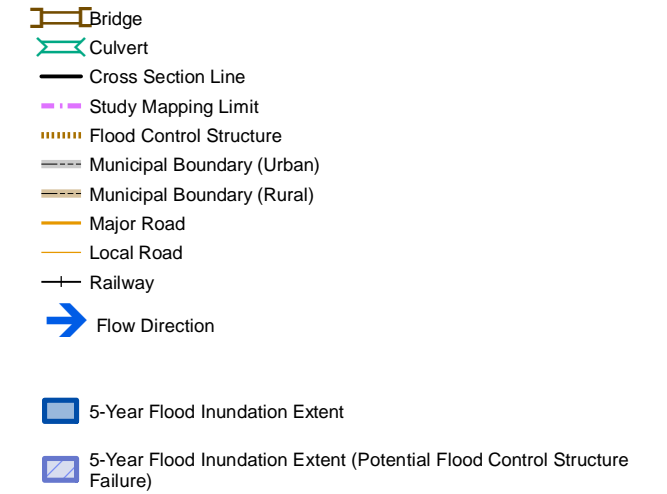
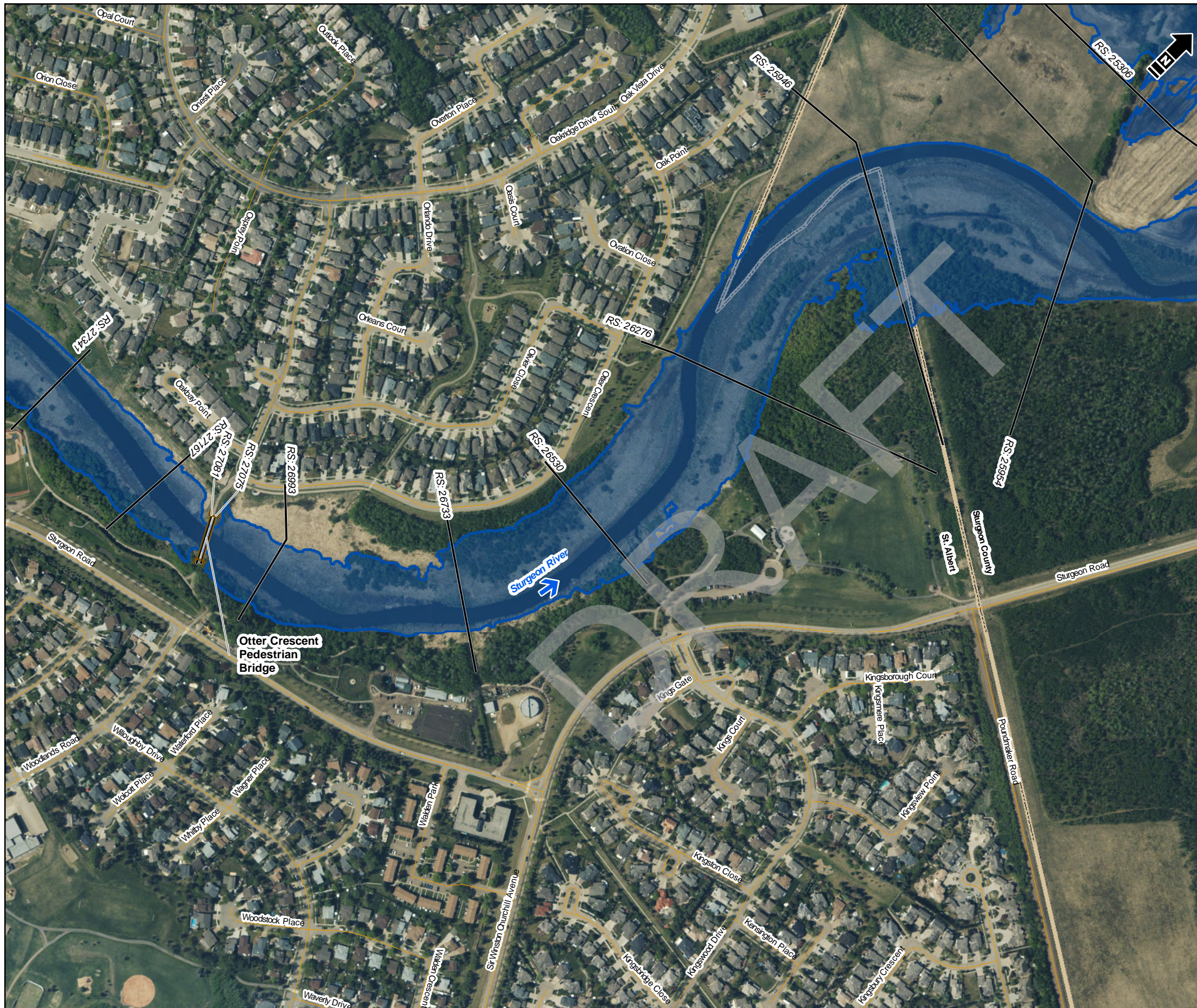
Alberta Government  
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Mapbook | 5-Year**

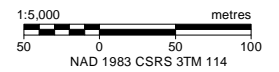
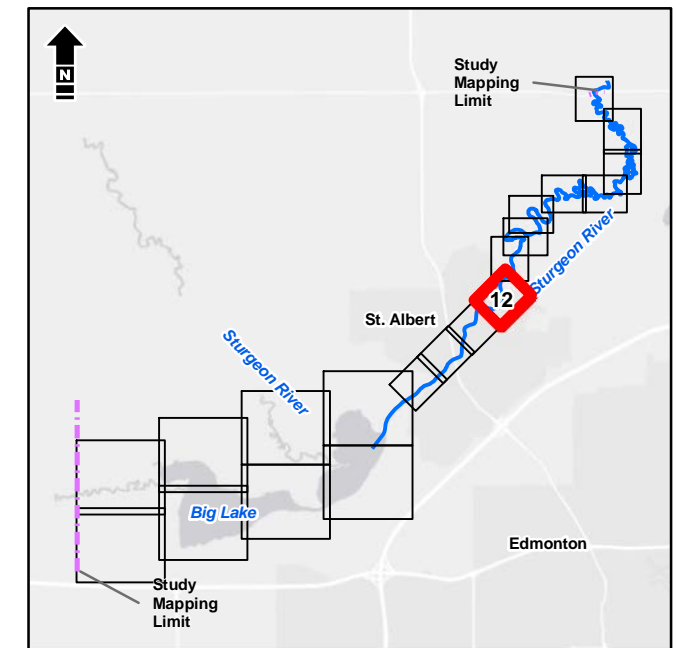
Date: March 2020 Project: 28312 Submitter: P. Rogers Reviewer: M. Shome

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**DISCHARGE**  
Sturgeon River = 27 m<sup>3</sup>/s



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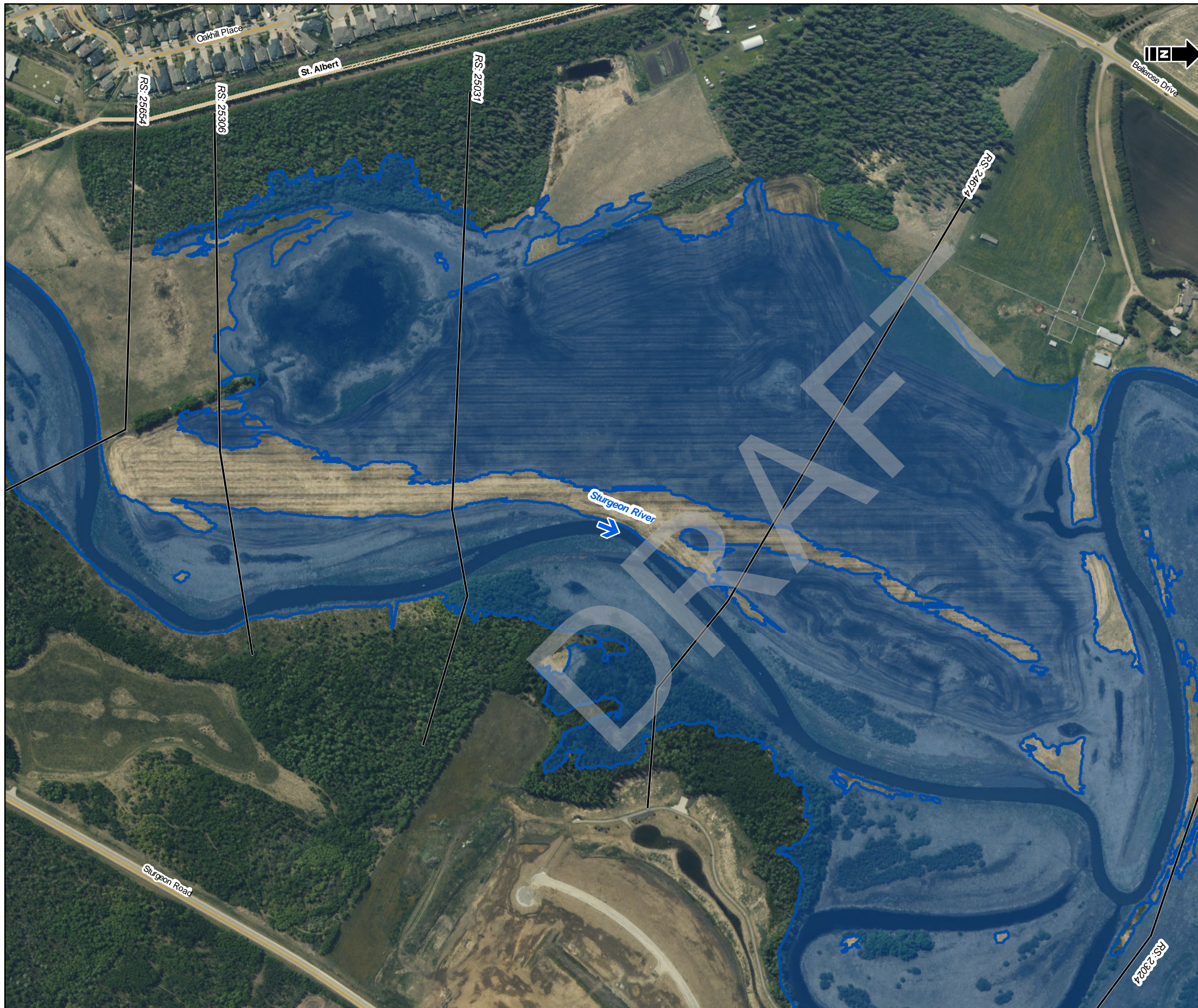
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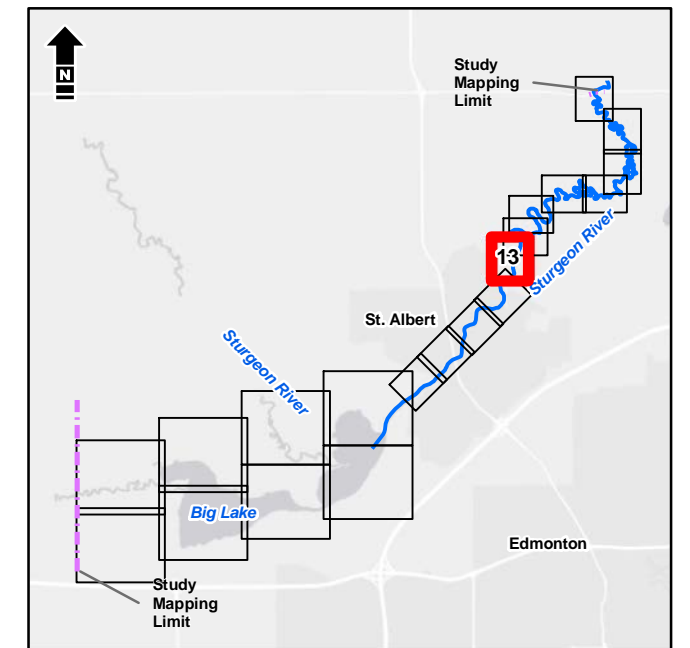
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  - Major Road
  - Local Road
  - Railway
  - Flow Direction
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- 5-Year Flood Inundation Extent
  - 5-Year Flood Inundation Extent (Potential Flood Control Structure Failure)

**DISCHARGE**  
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1:5,000 metres

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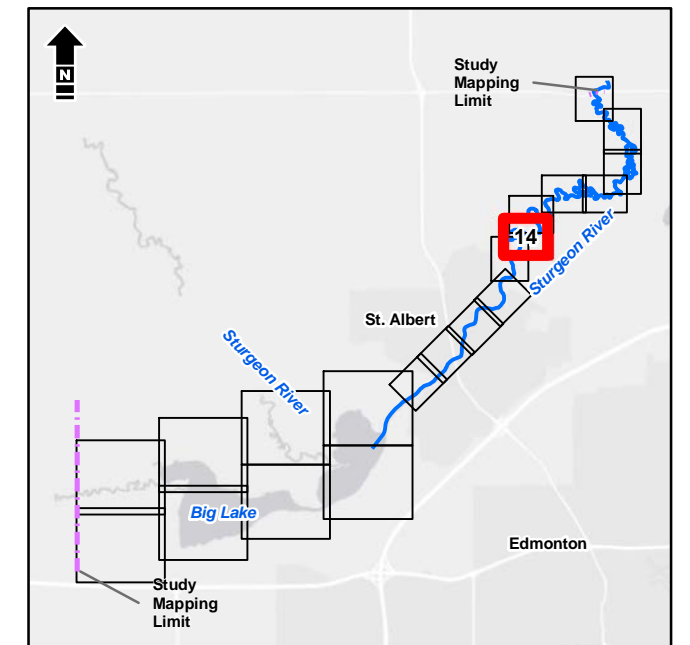
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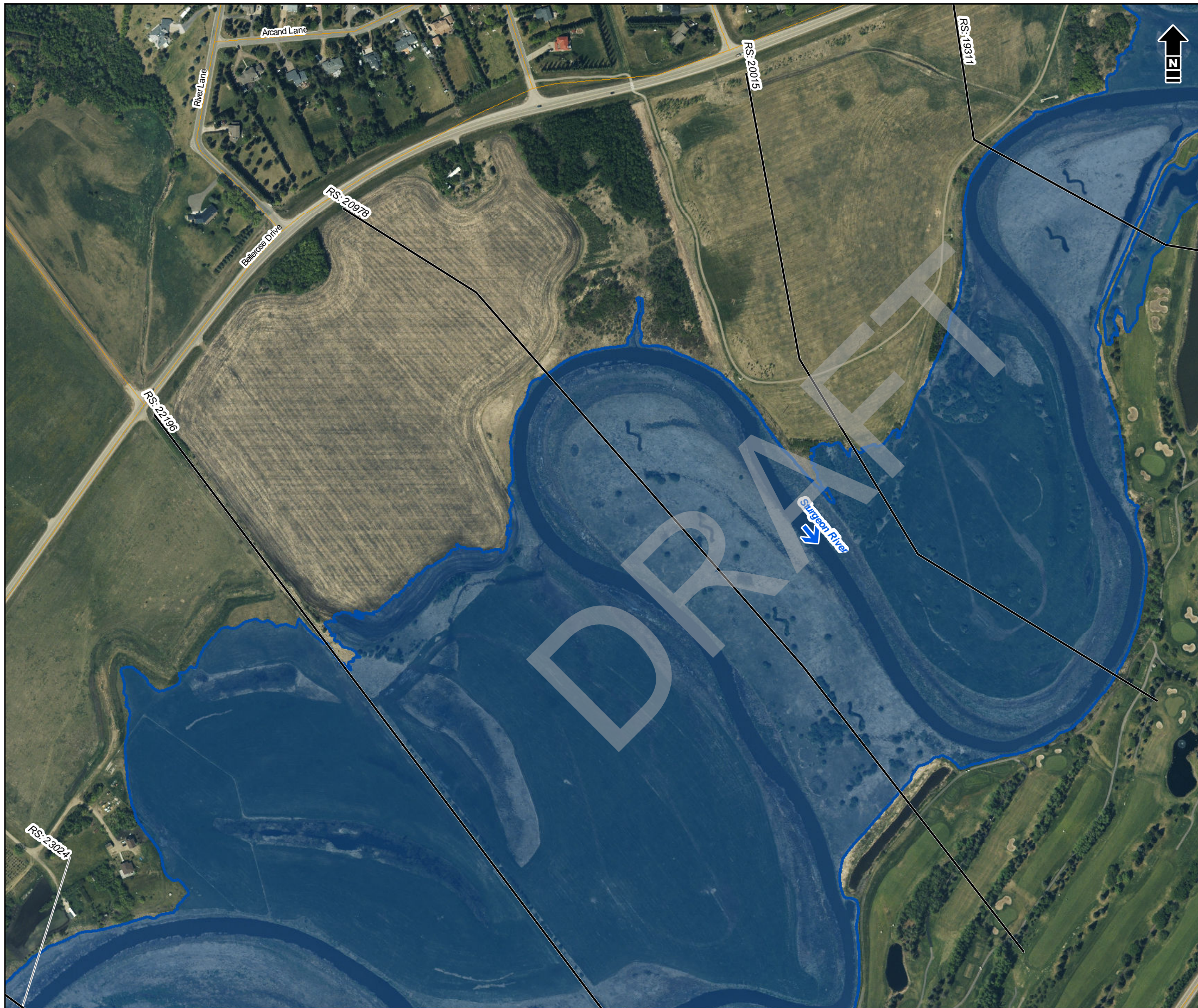
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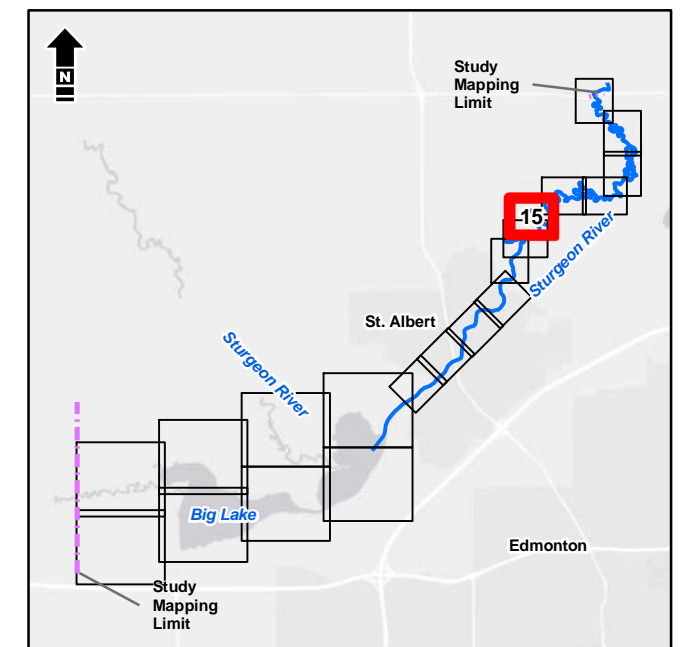
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1:5,000 metres  
0 50 100  
NAD 1983 CSRS 3TM 114

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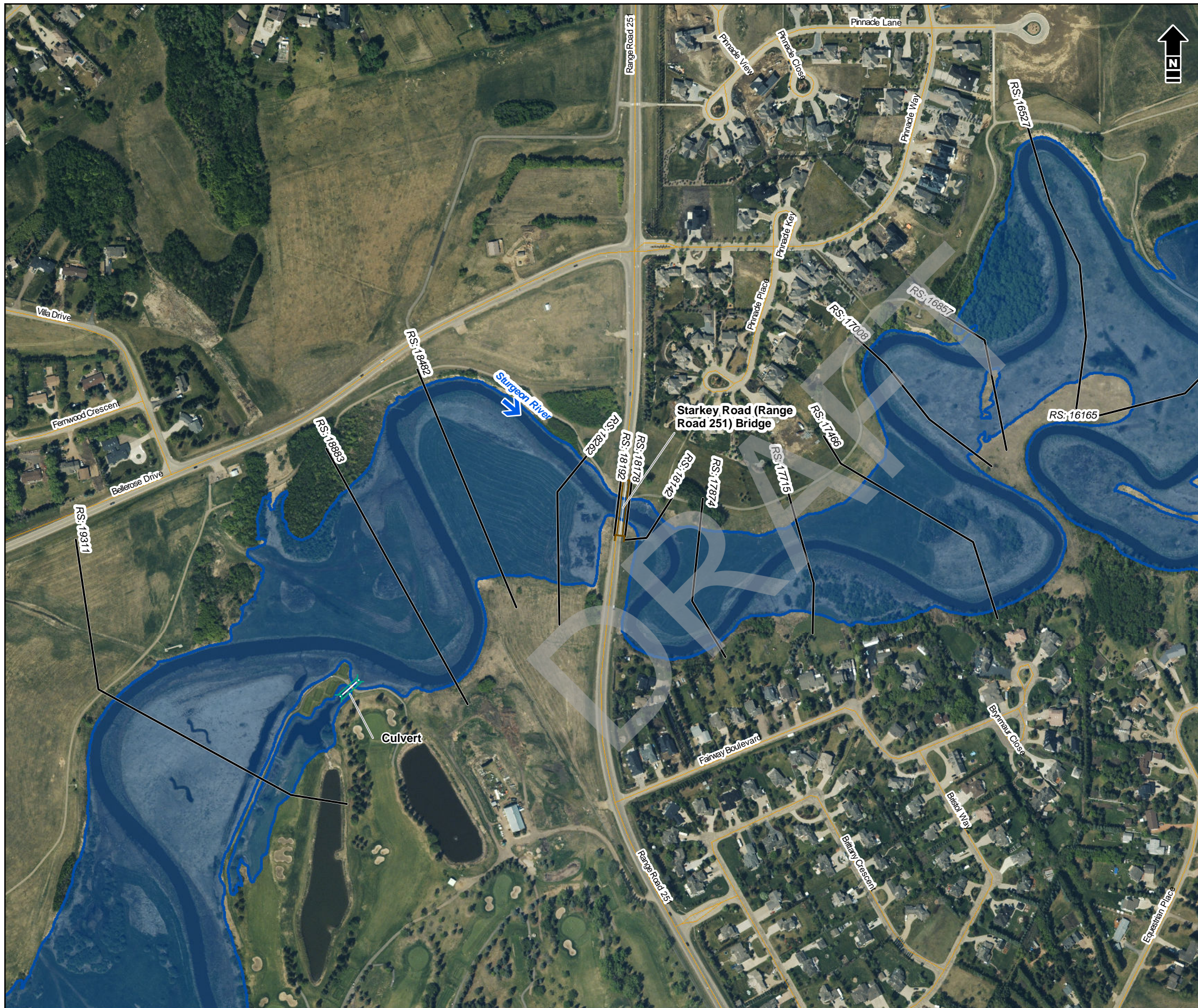
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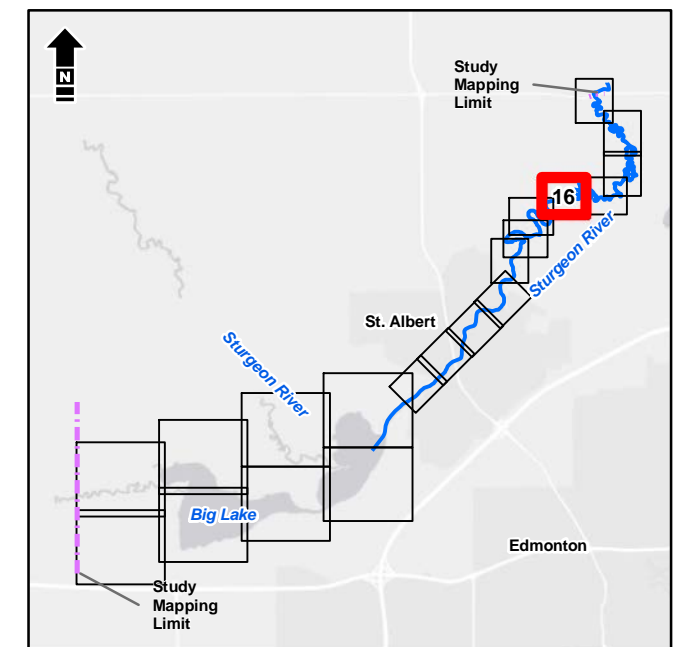
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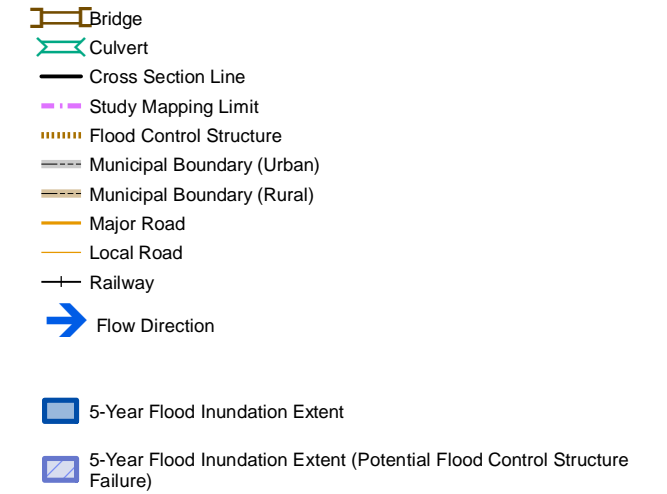
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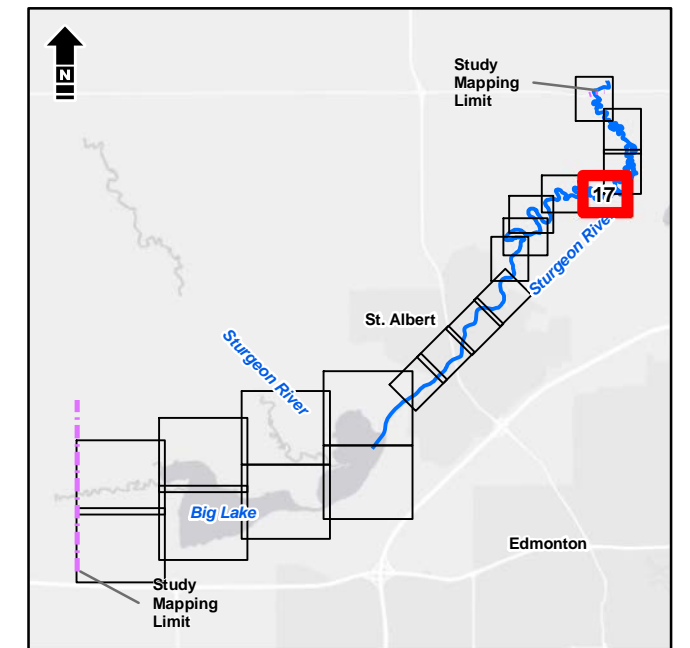
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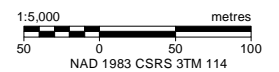
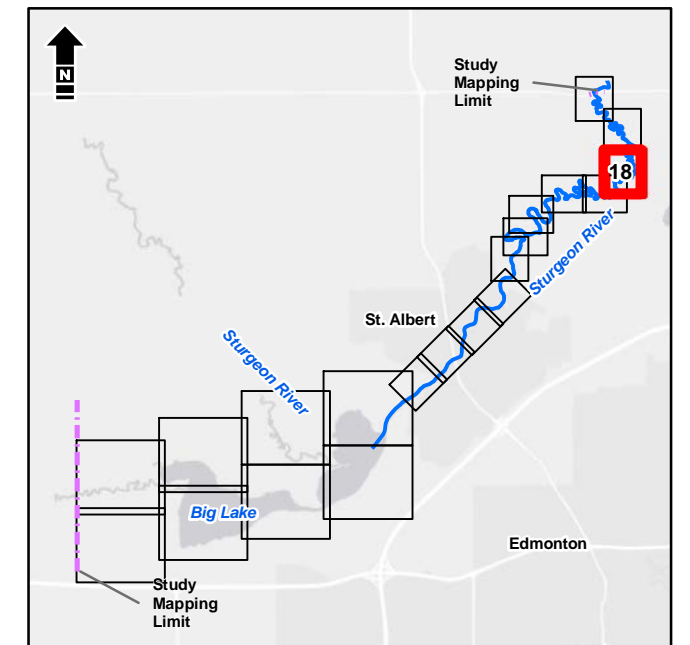
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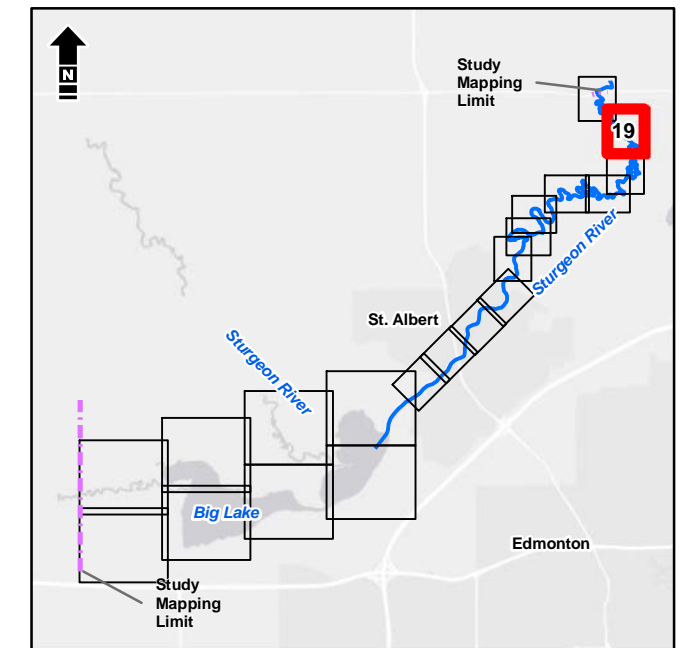
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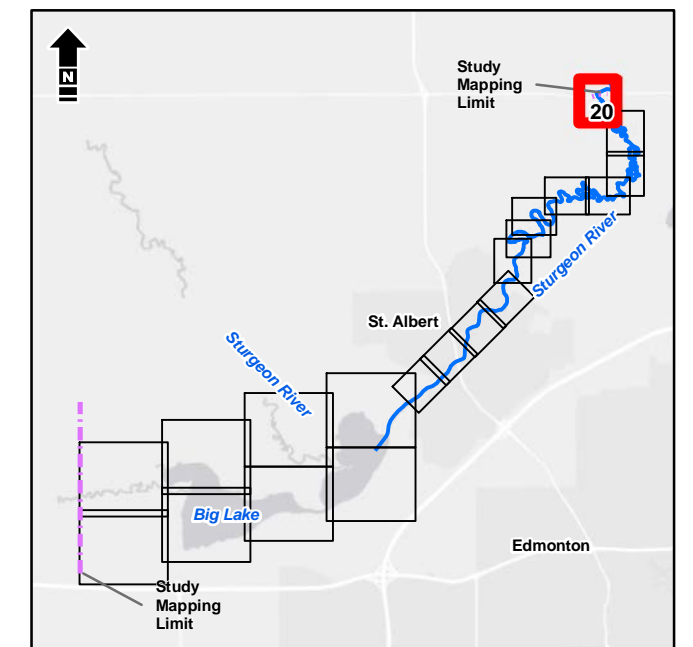
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St. Albert Flood Hazard Study

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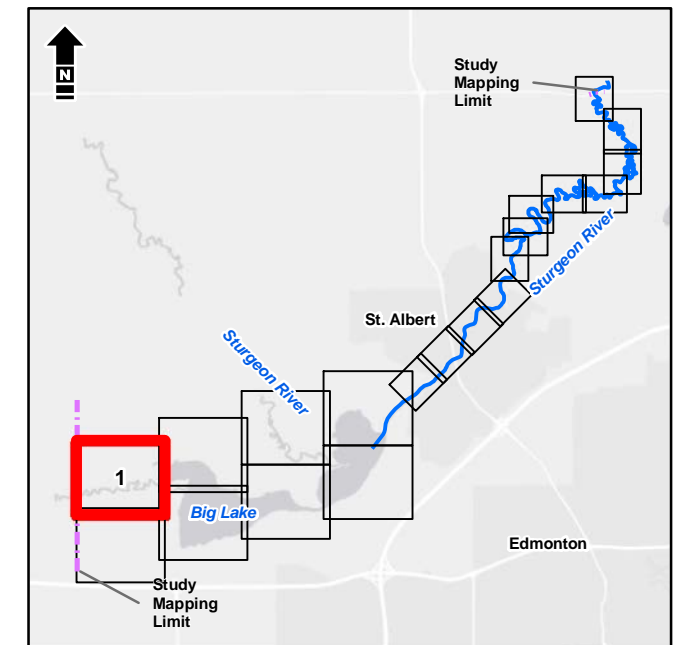
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1:10,000 metres  
 100 0 100 200  
 NAD 1983 CSRS 3TM 114

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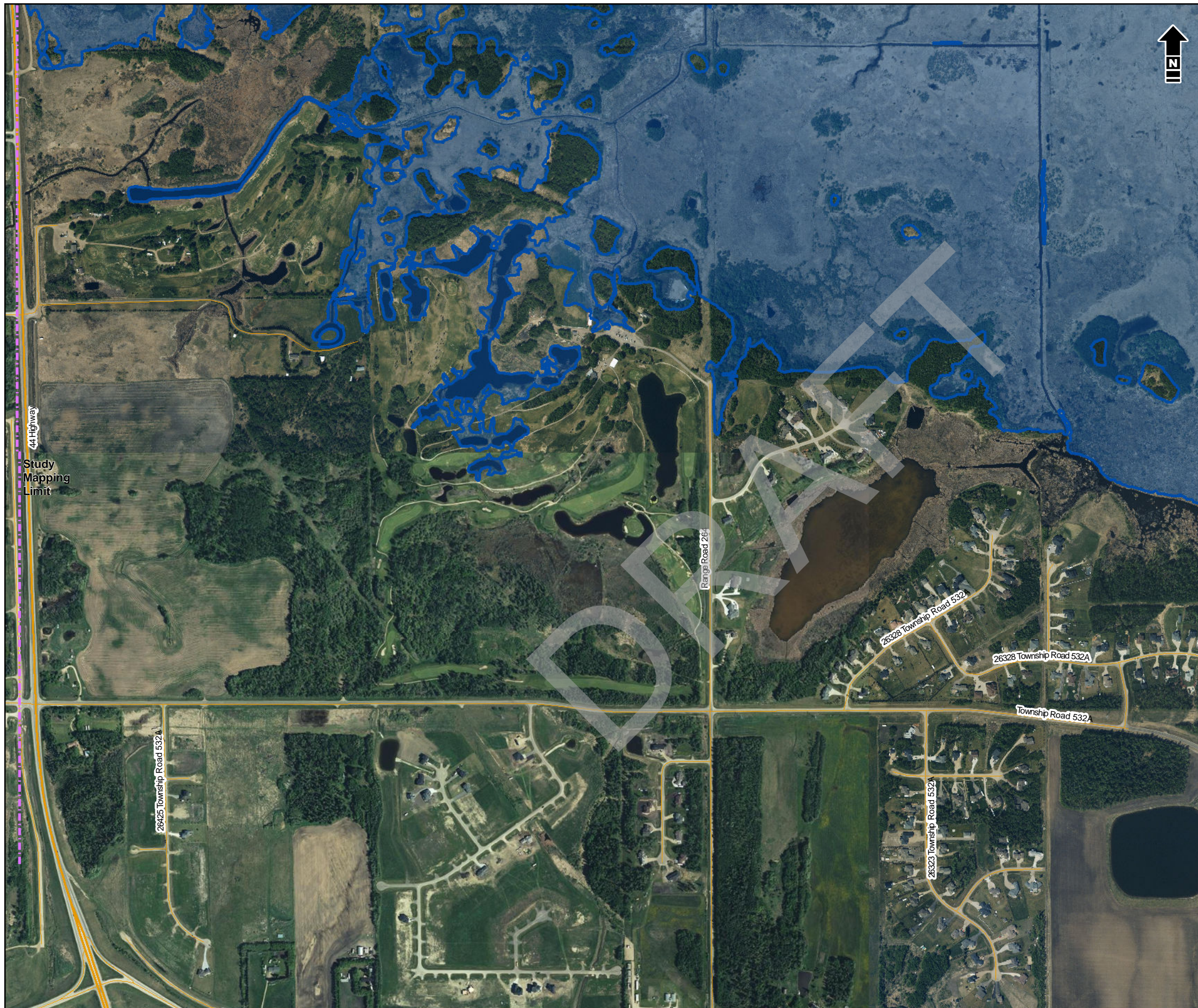
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 St. Albert Flood Hazard Study

### Open Water Flood Inundation Mapbook | 10-Year

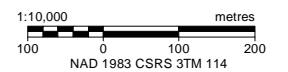
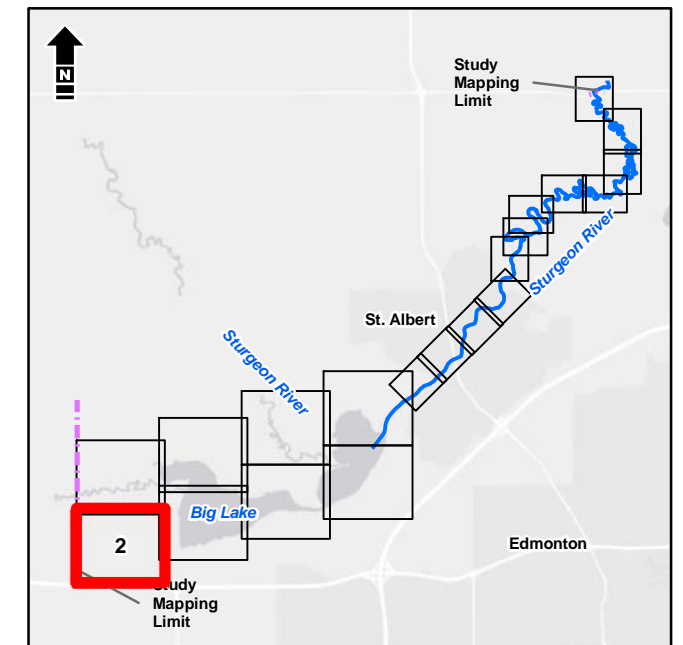
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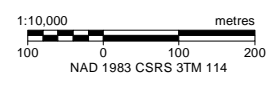
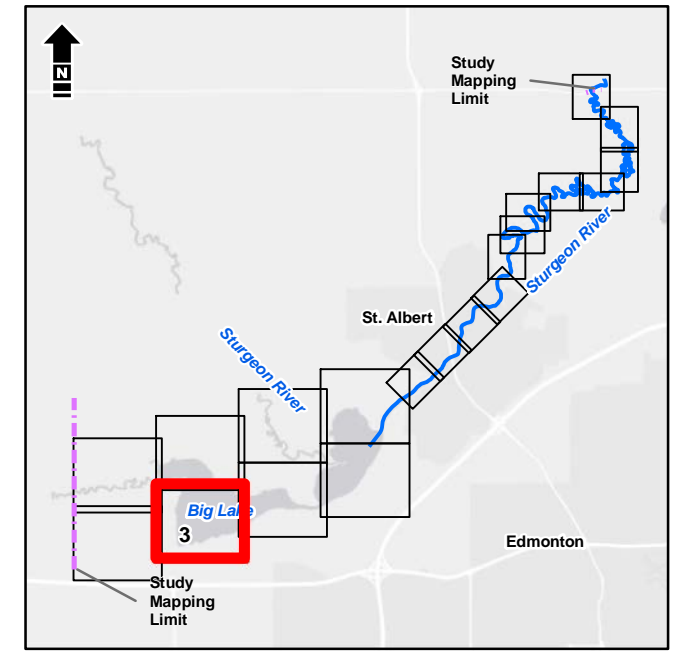
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- Bridge
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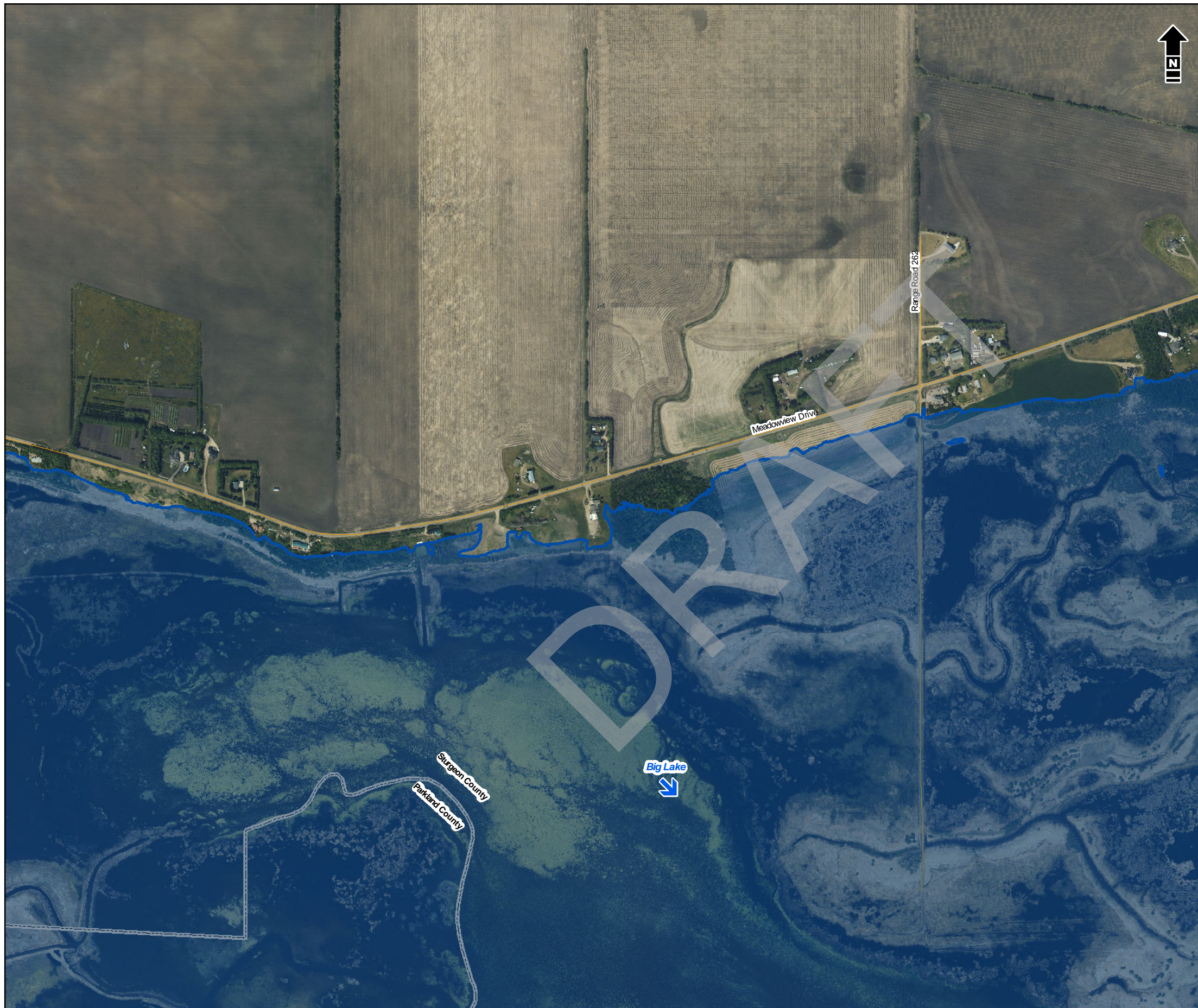
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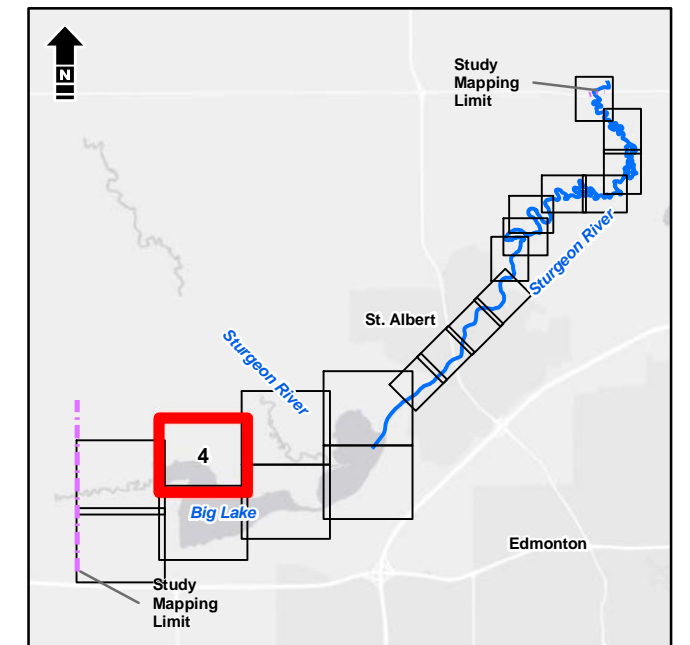
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1:10,000 metres  
 100 0 100 200  
 NAD 1983 CSRS 3TM 114

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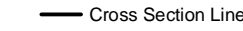
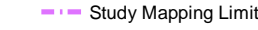
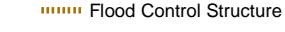
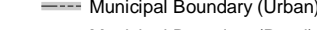
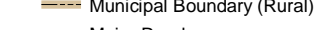





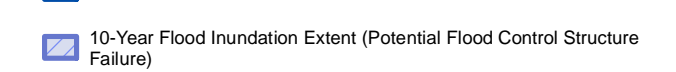
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 Mapbook | 10-Year**

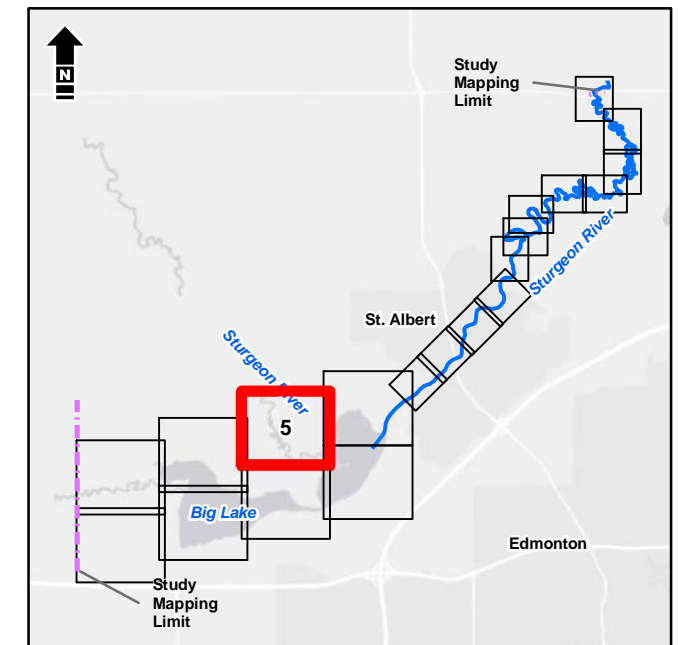
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1:10,000 metres  
 100 0 100 200  
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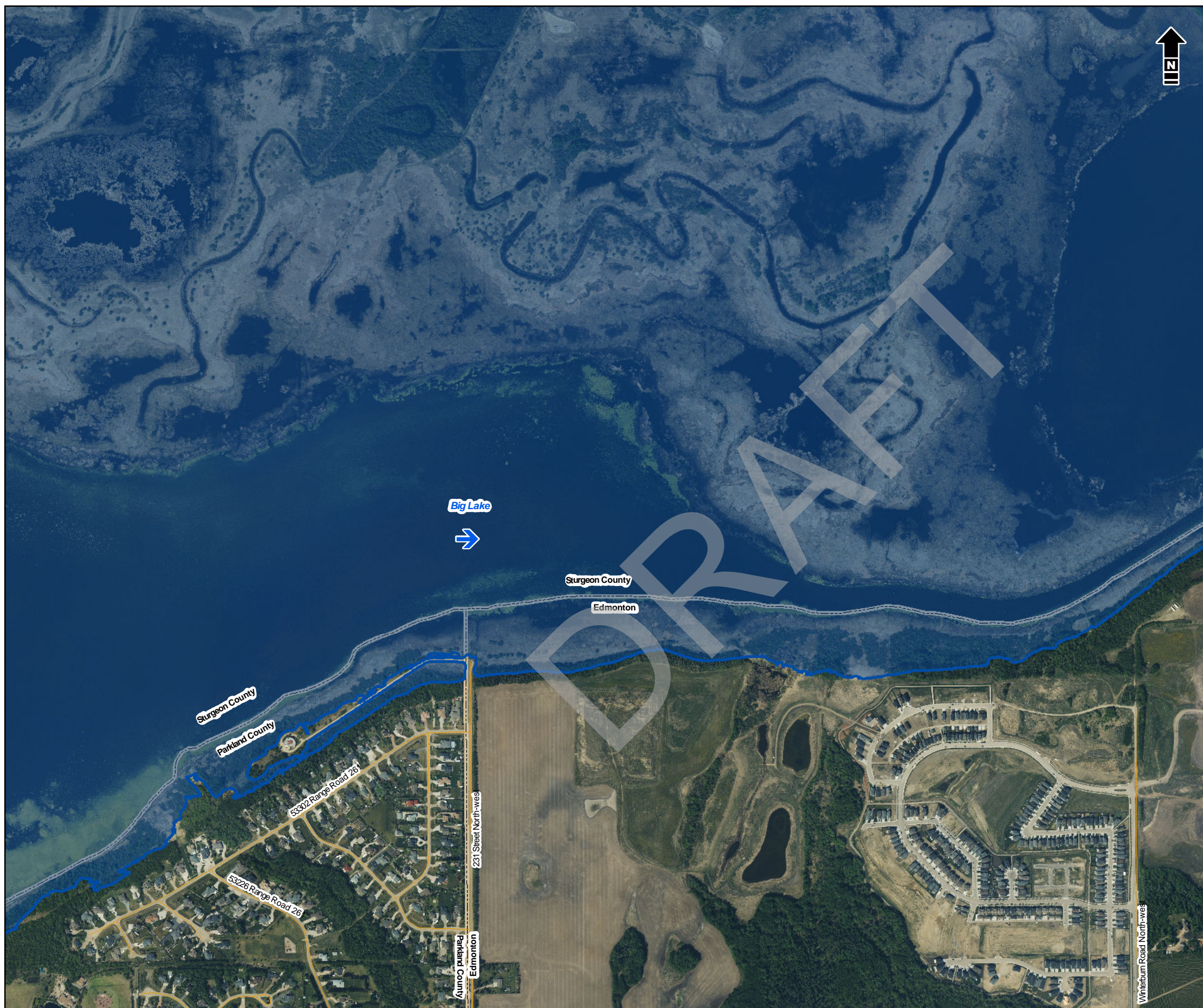
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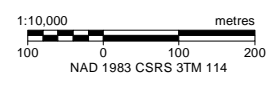
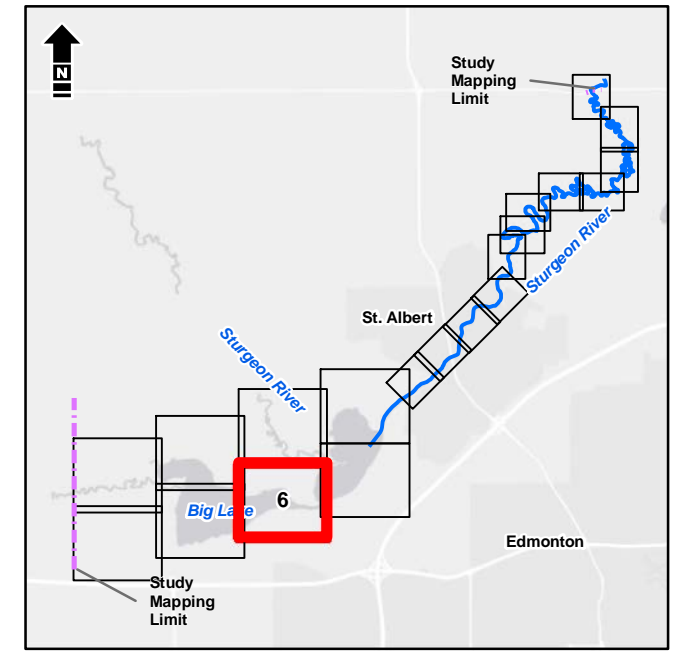
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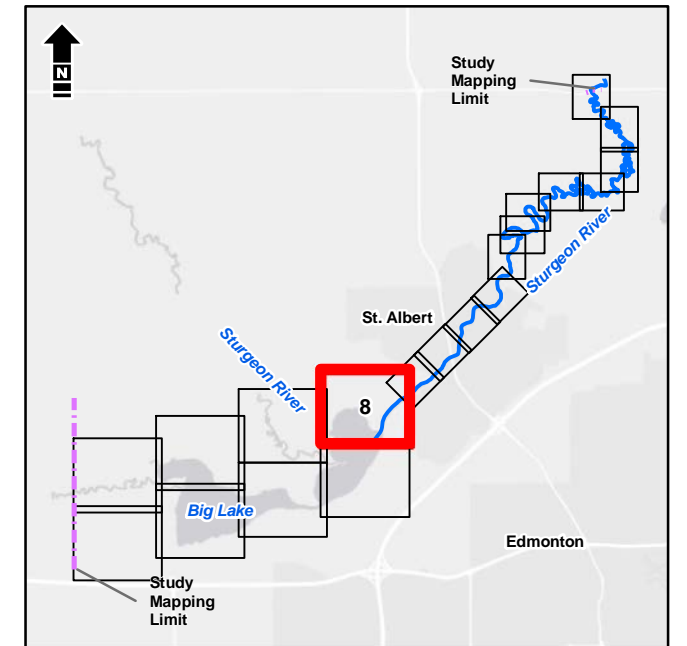








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1:10,000 metres  
 100 0 100 200  
 NAD 1983 CSRS 3TM 114

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**Open Water Flood Inundation  
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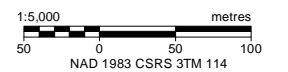
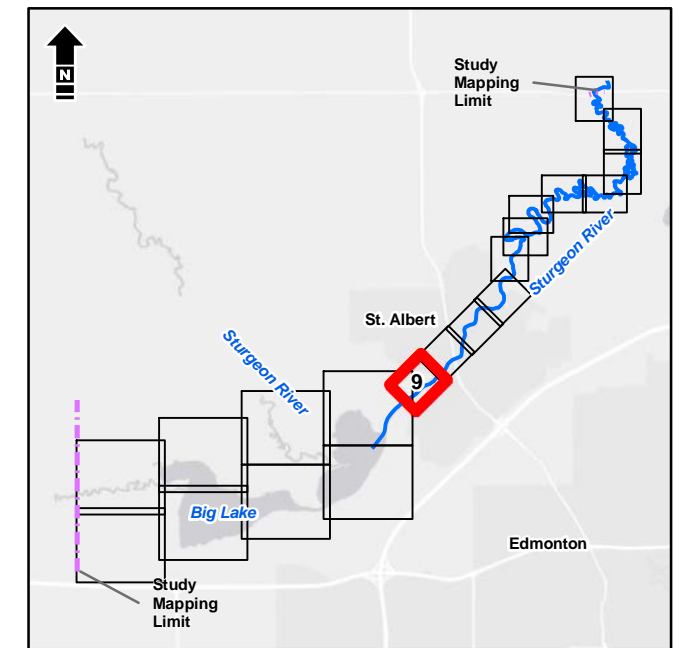
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Sturgeon River = 39 m<sup>3</sup>/s



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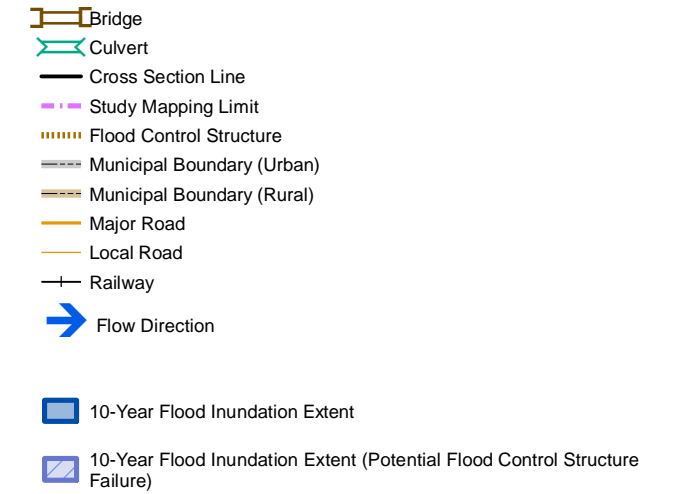
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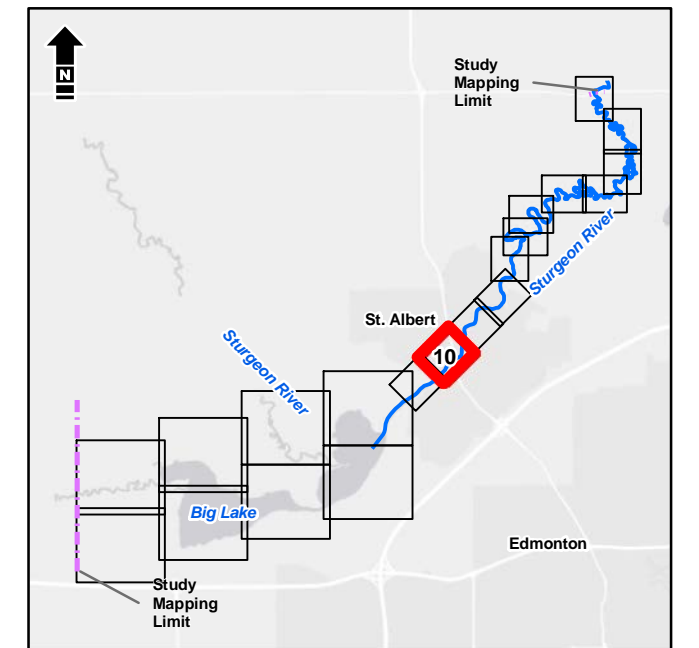
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1:5,000 metres  
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NAD 1983 CSRS 3TM 114



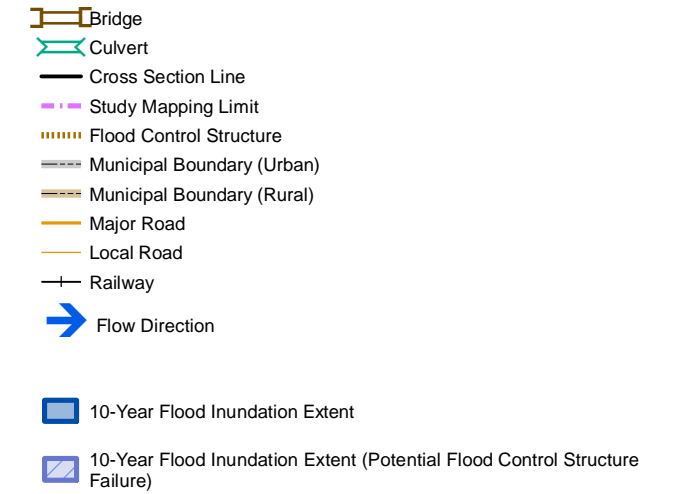
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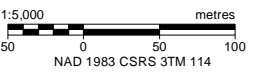
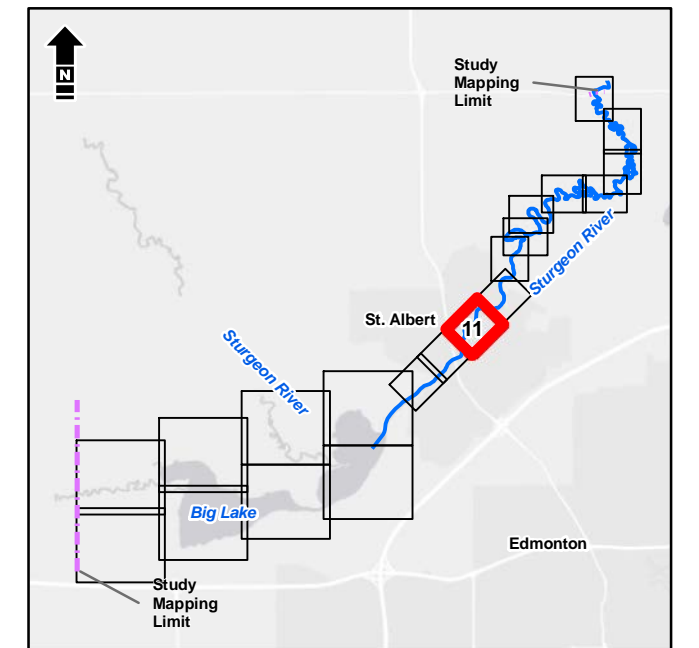
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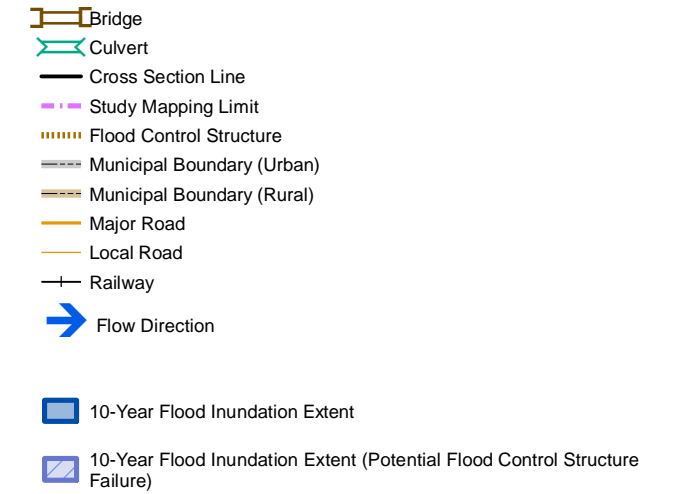
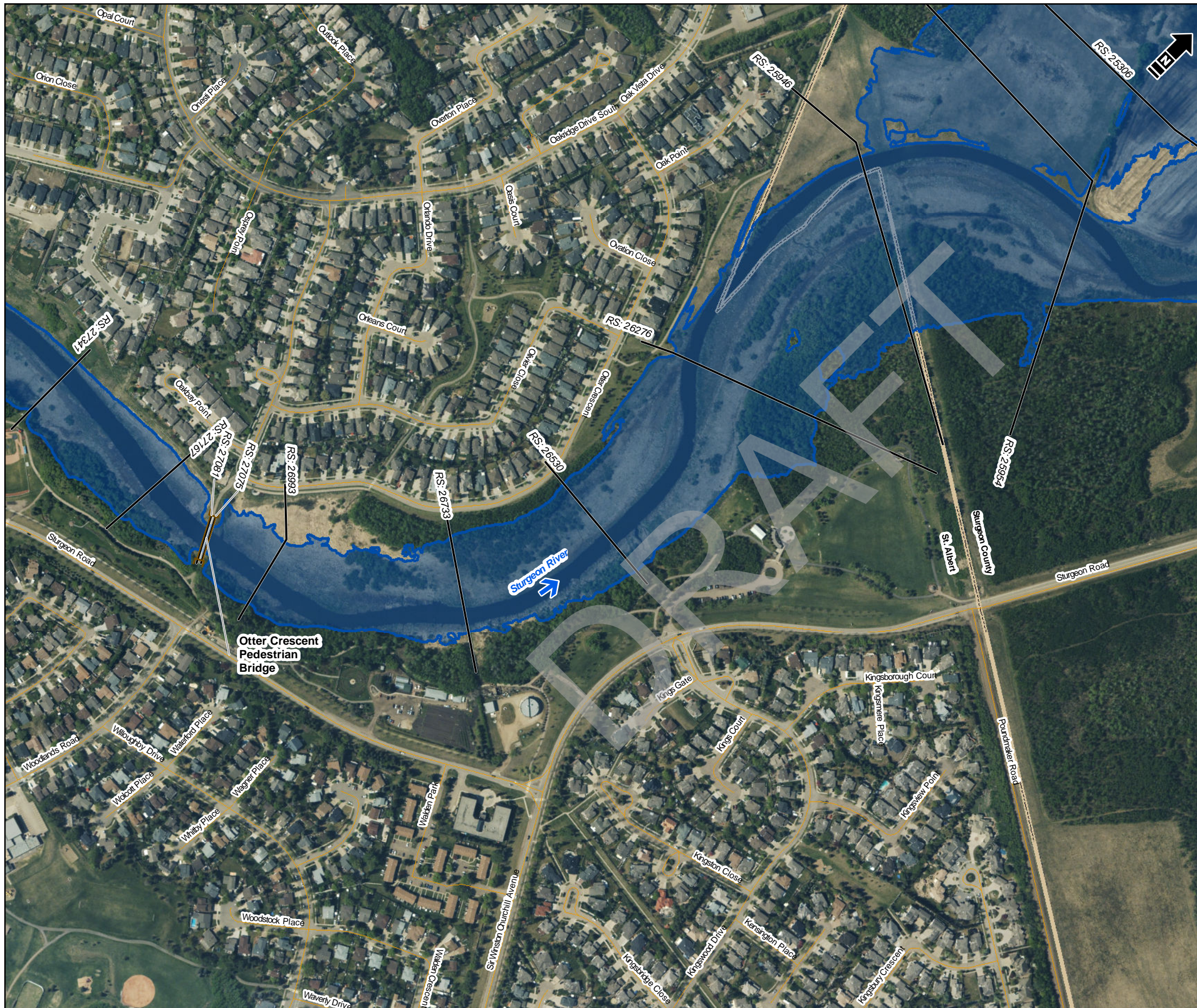
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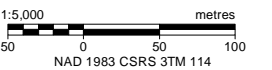
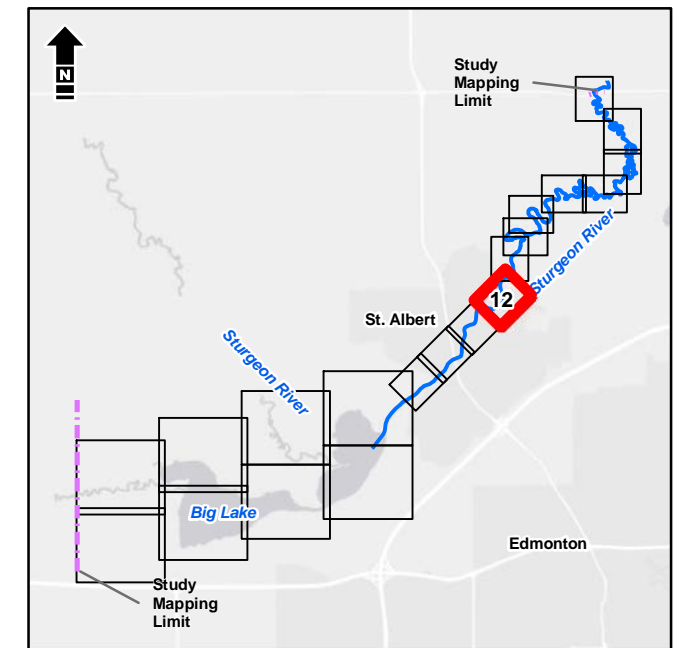
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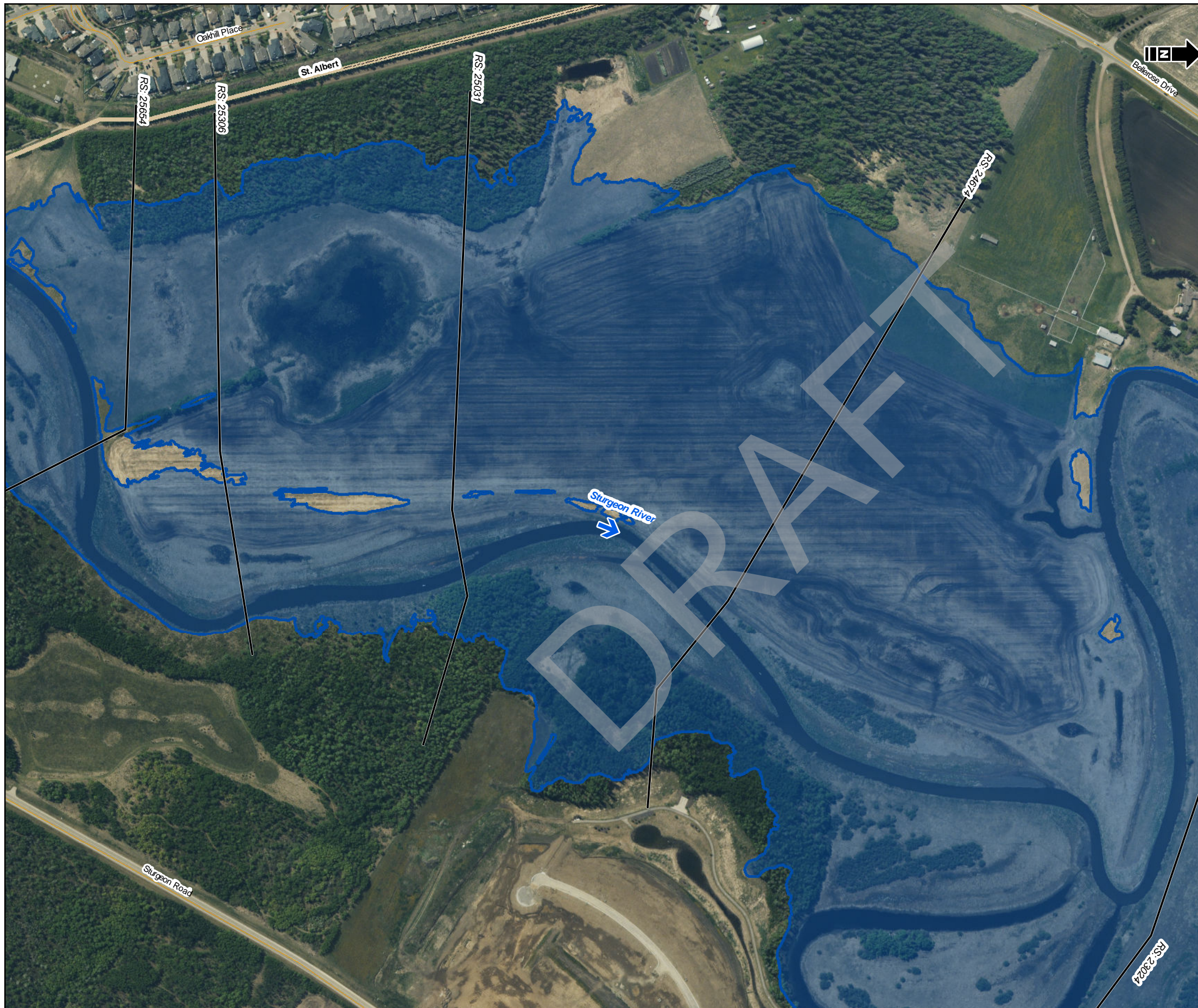
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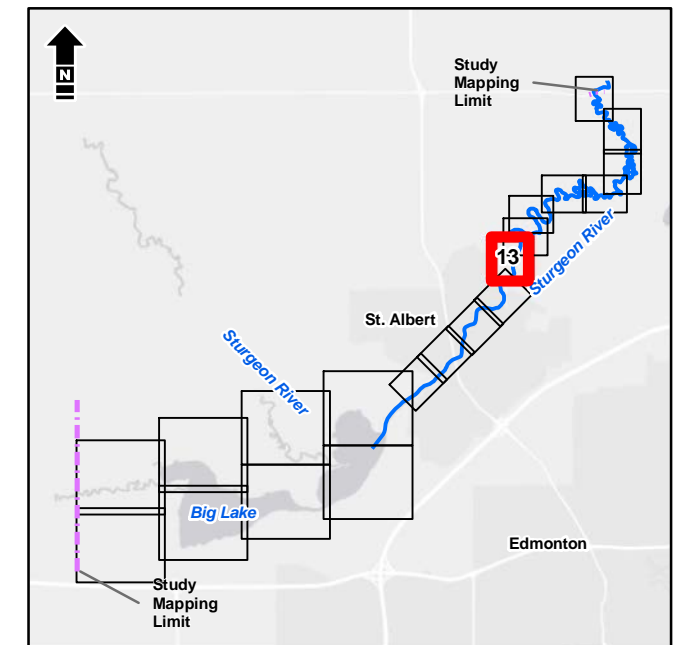
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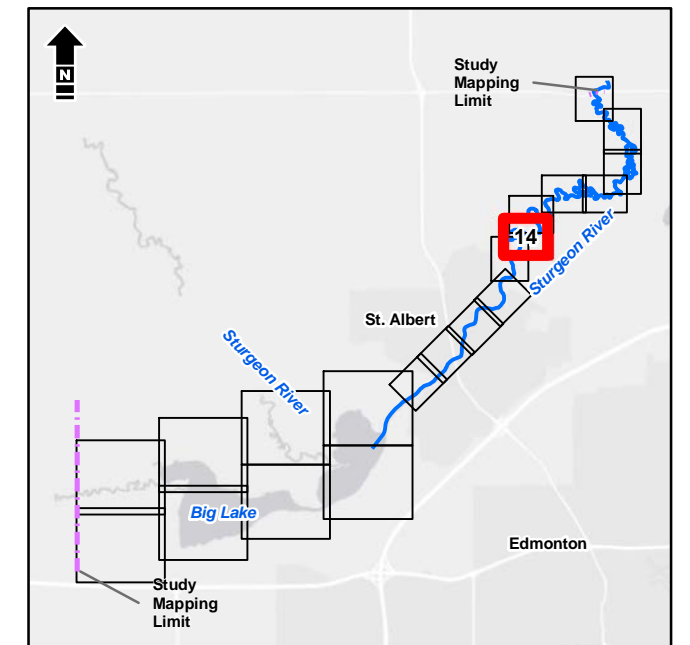
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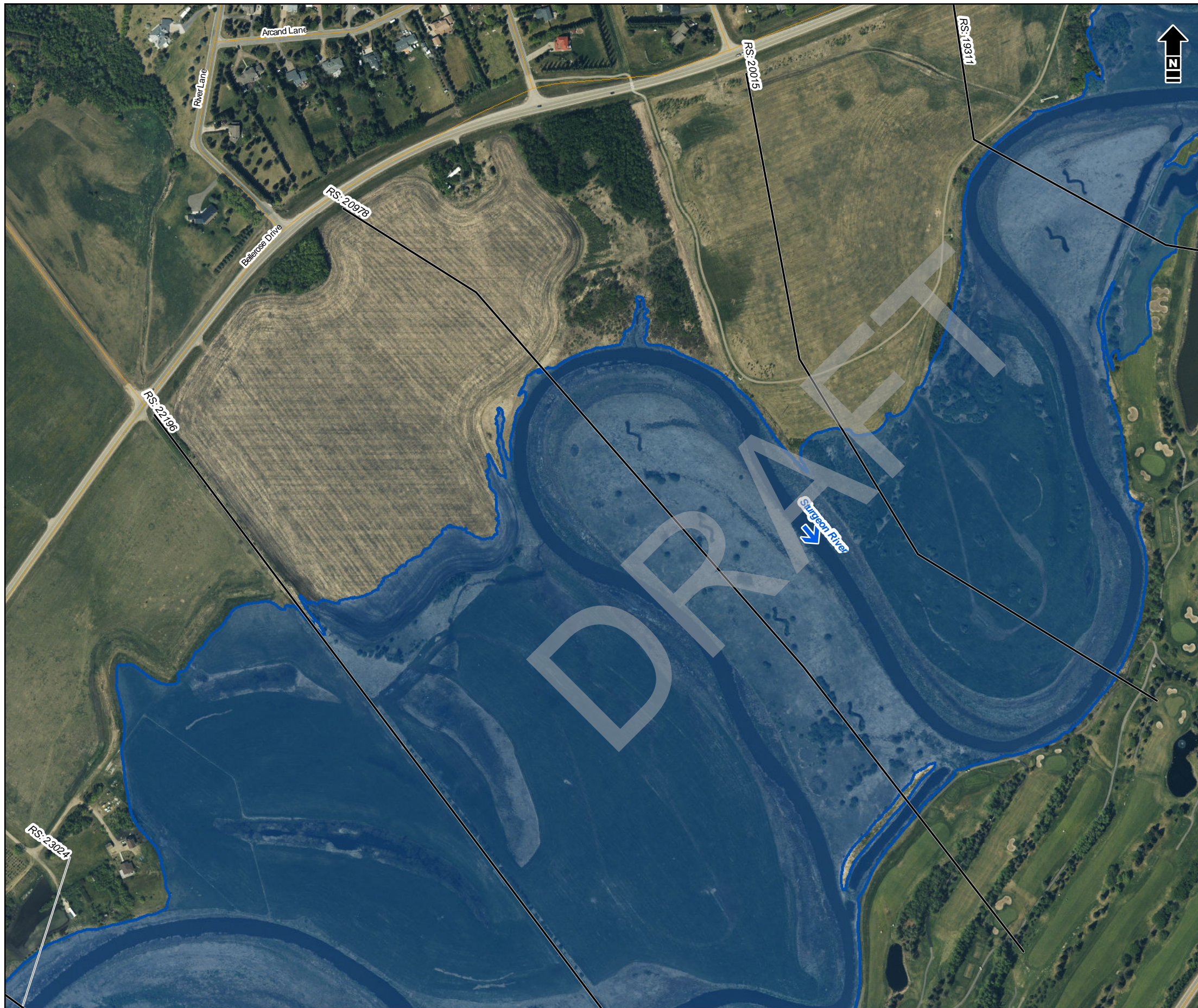
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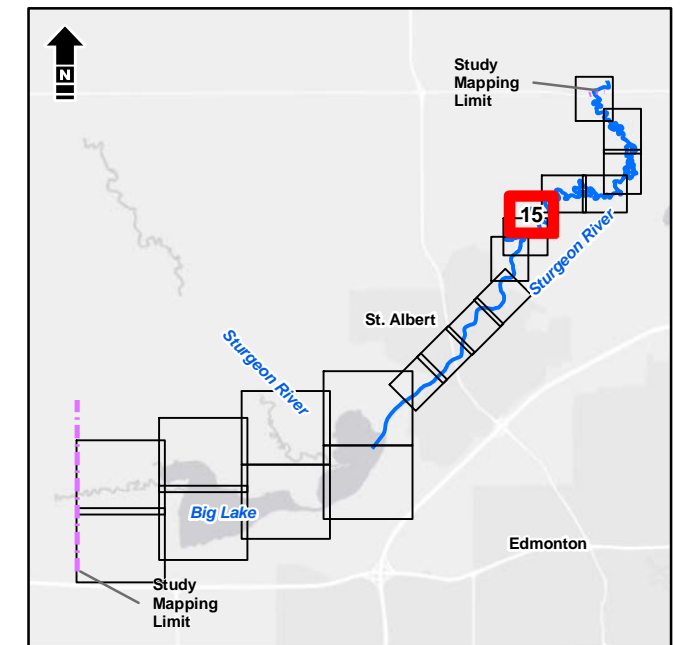
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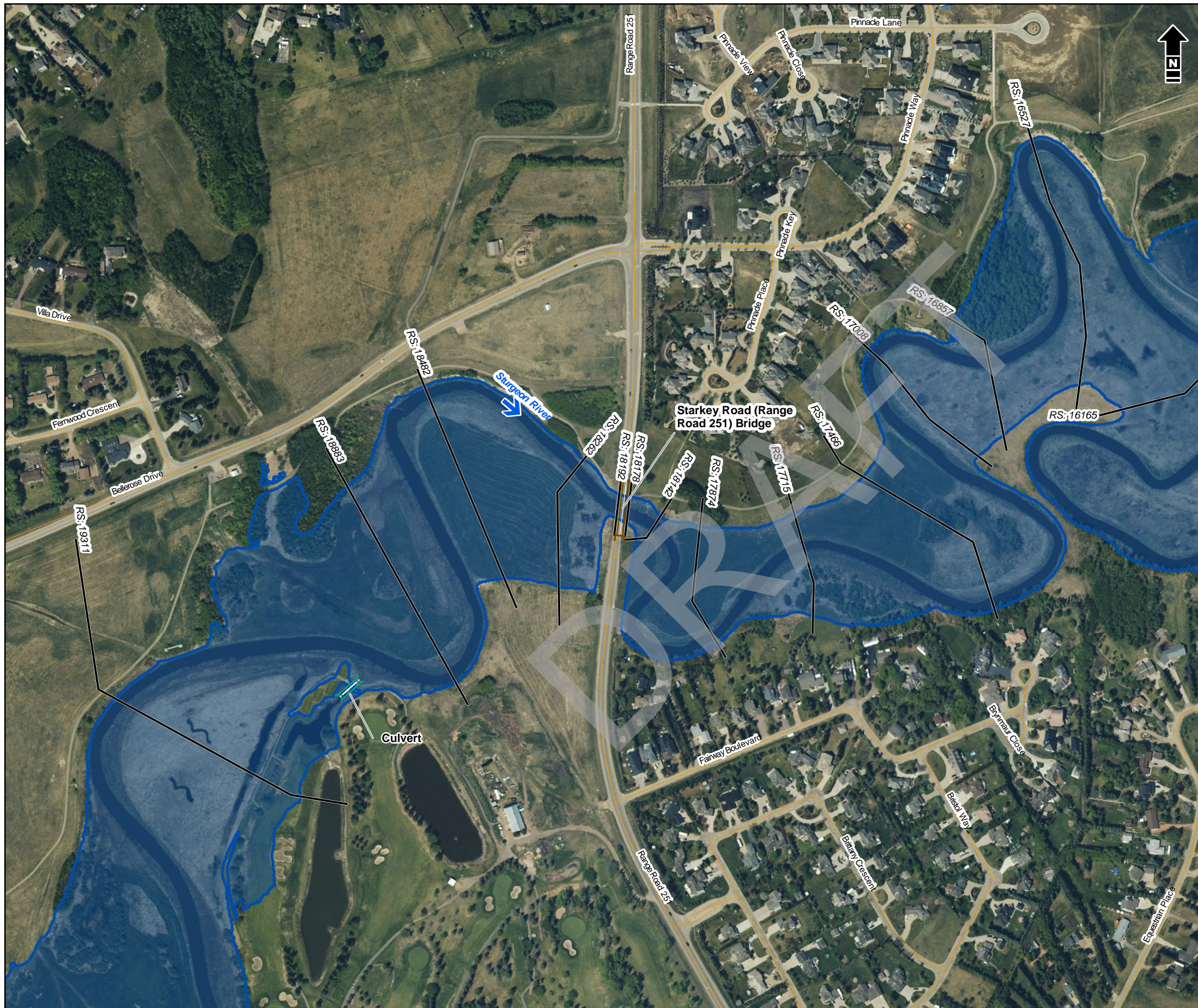
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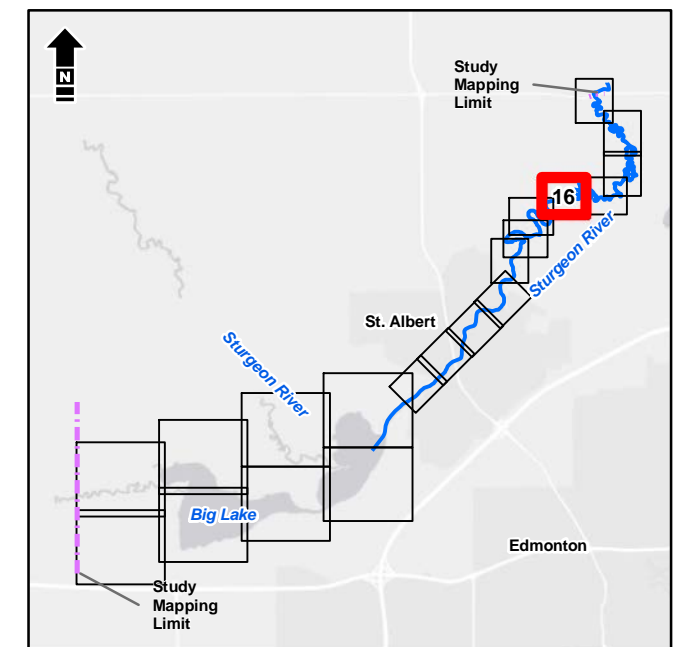
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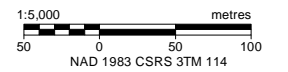
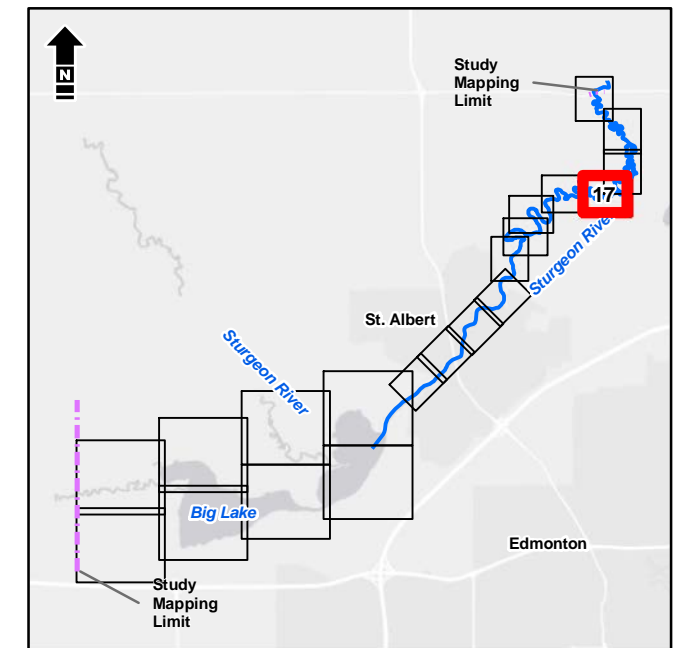
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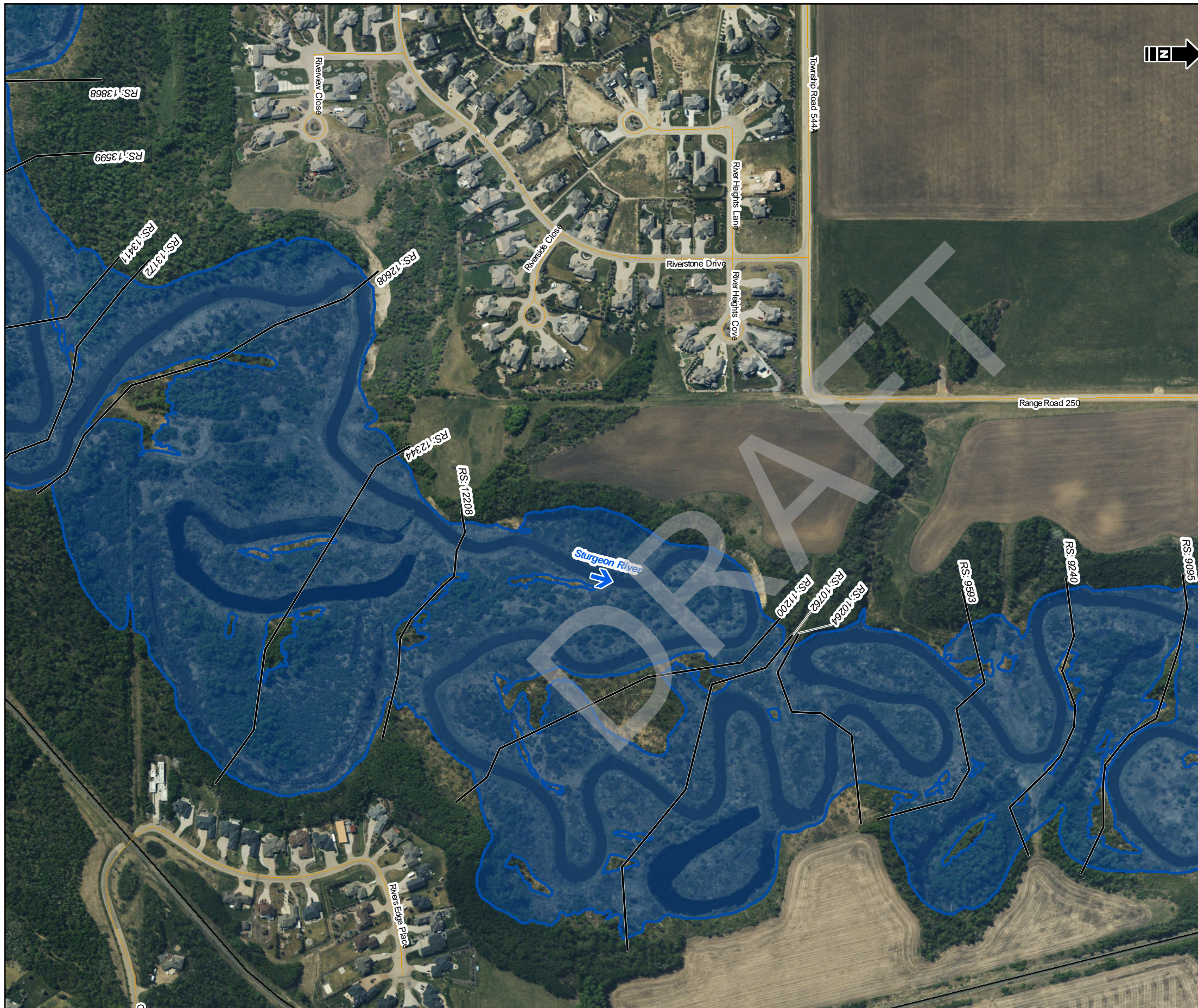
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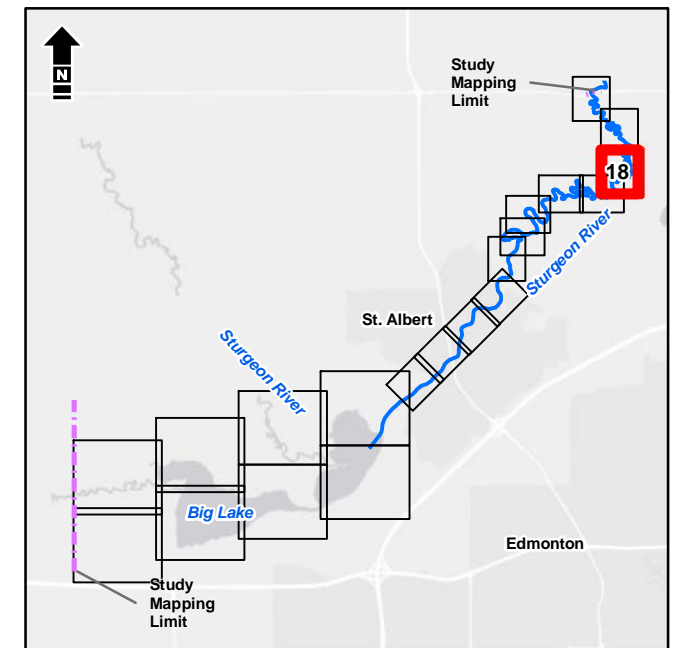
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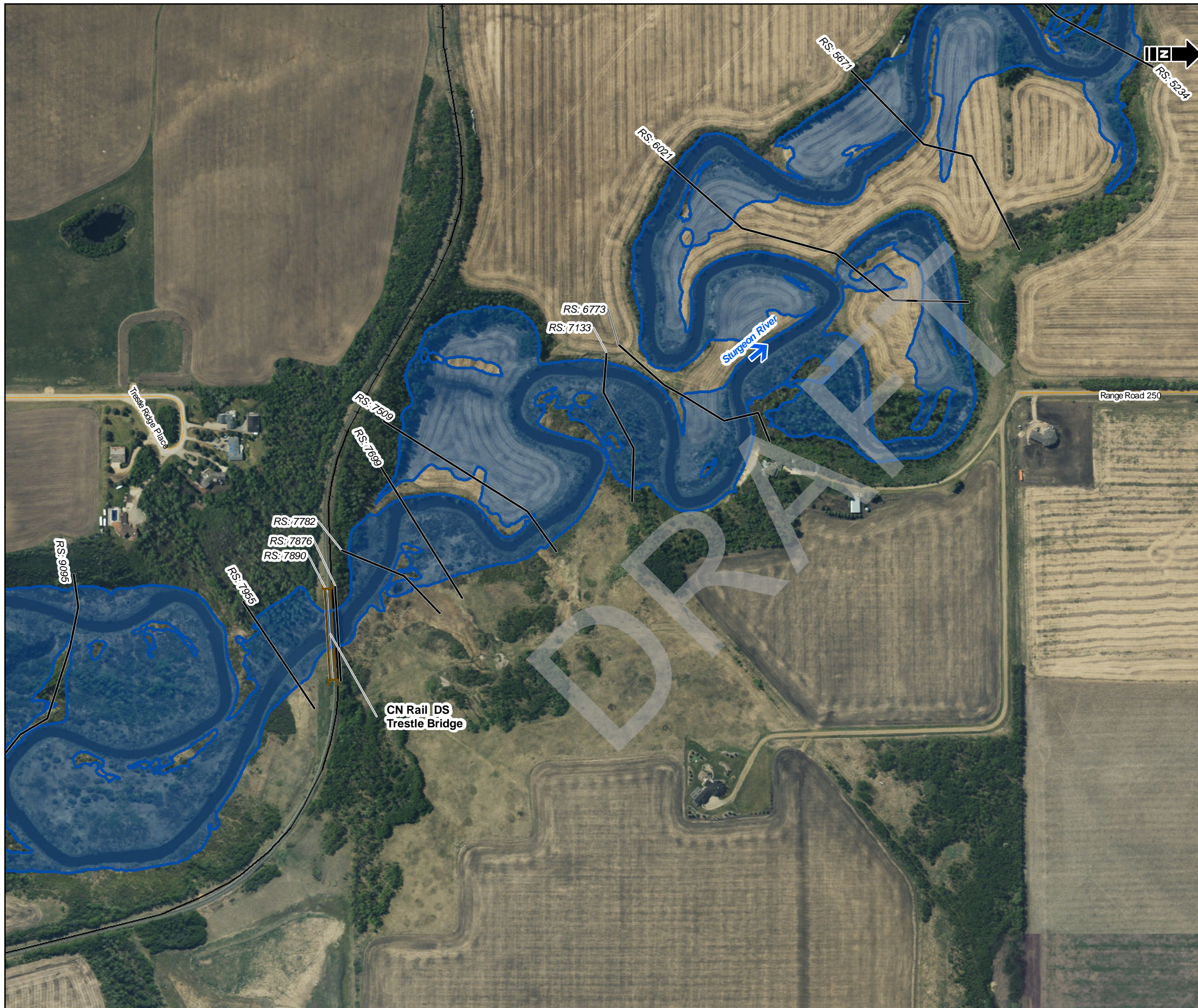
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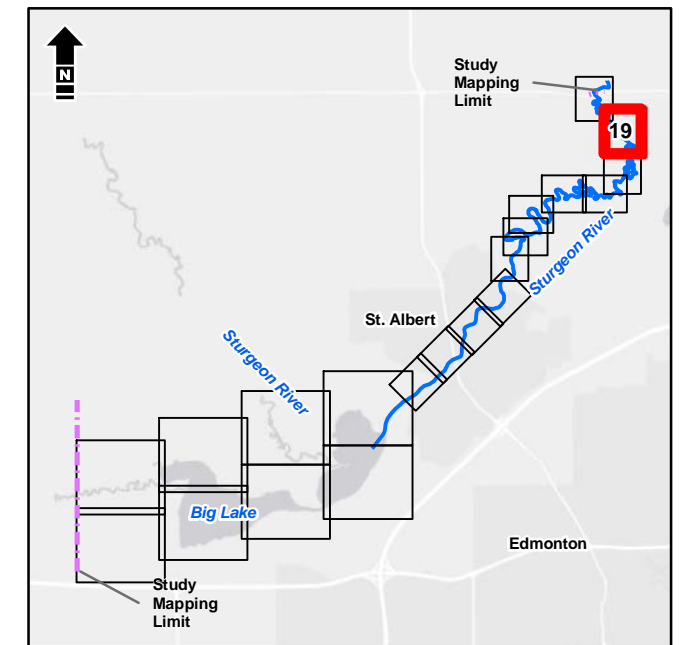
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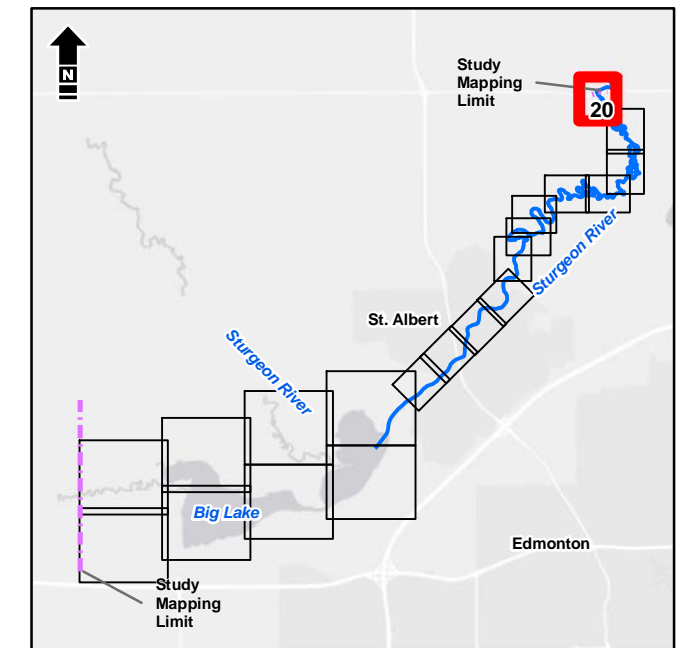
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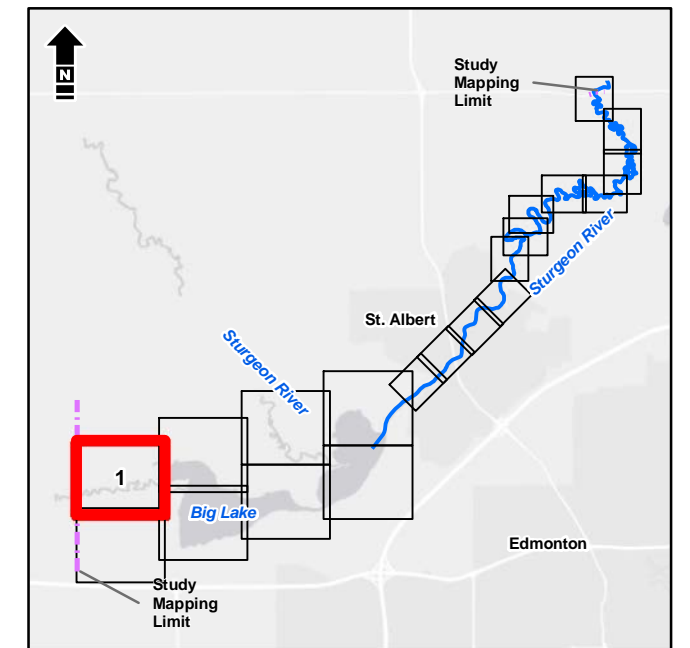
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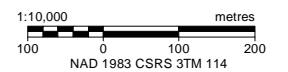
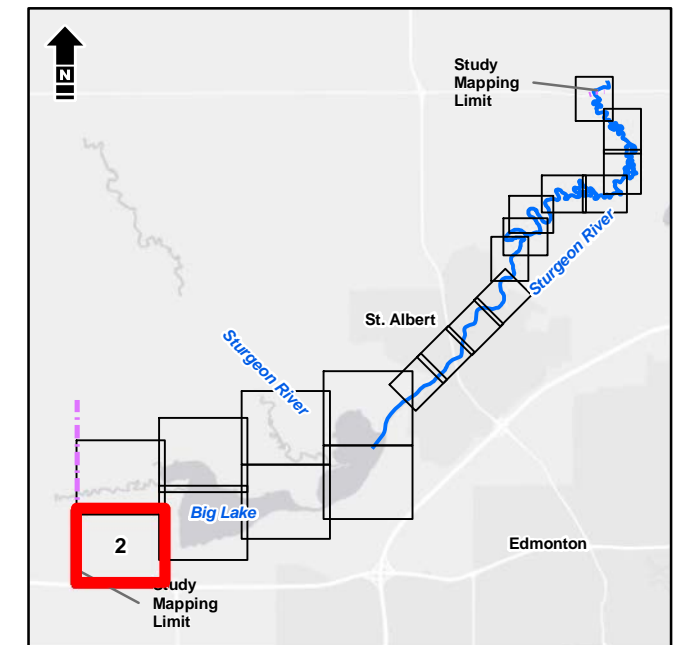
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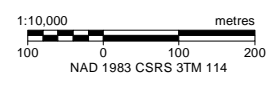
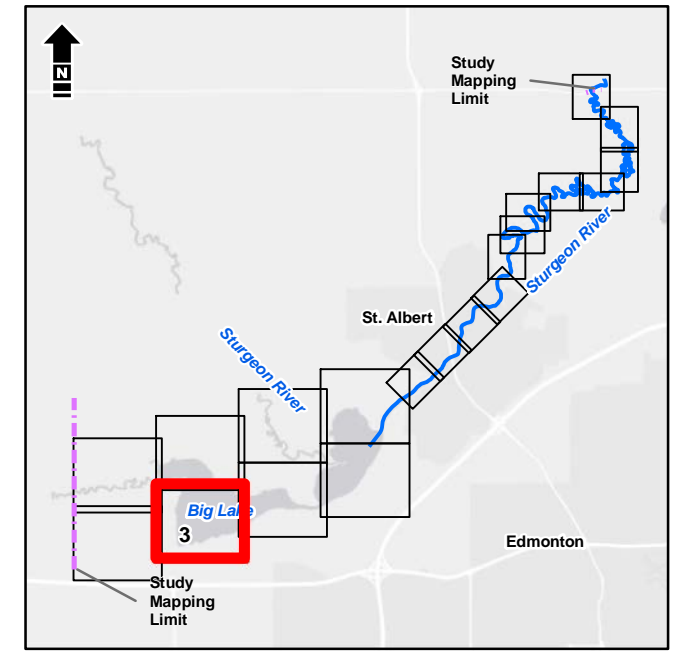
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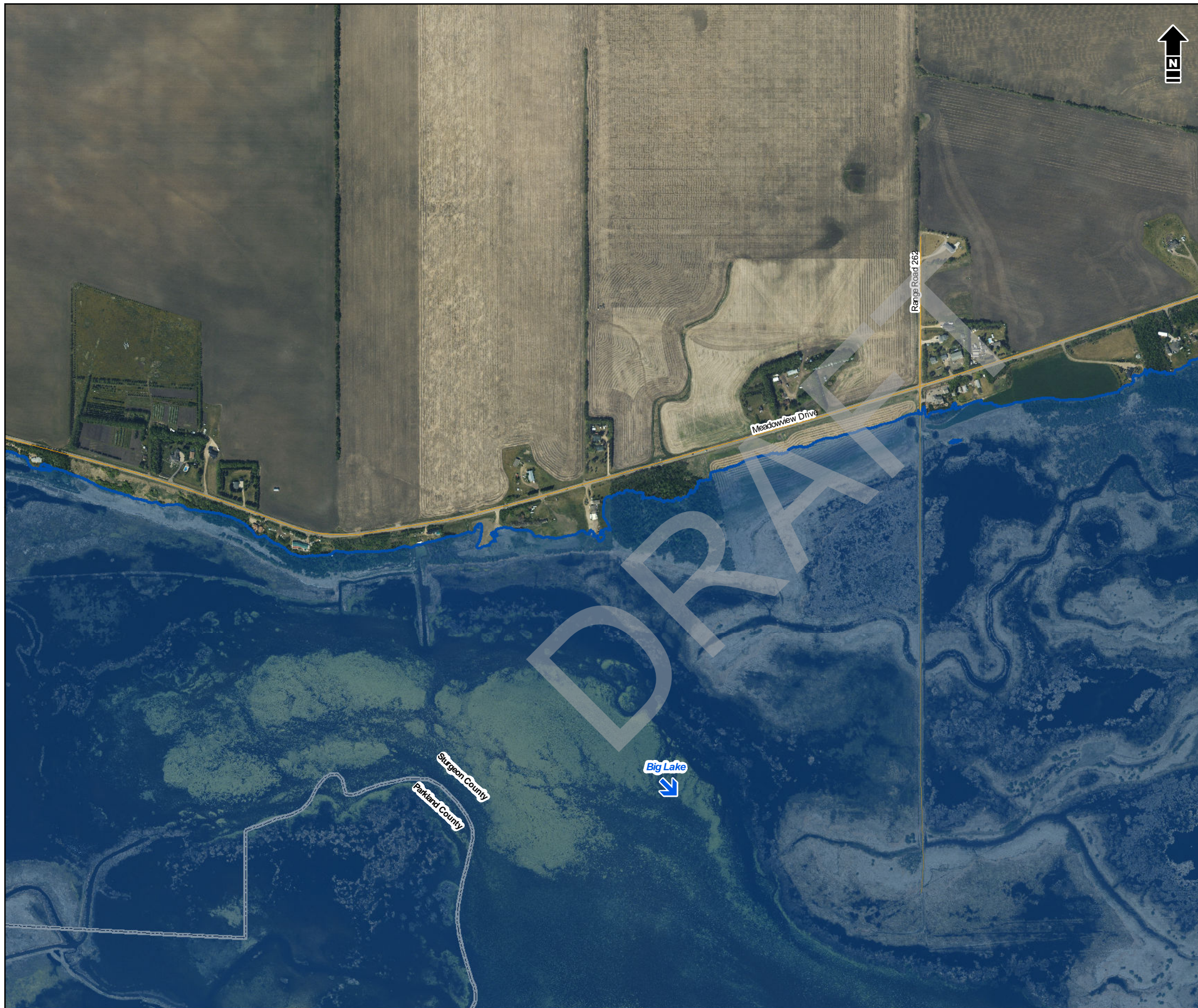
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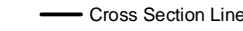
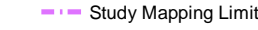
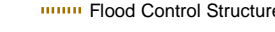

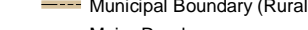





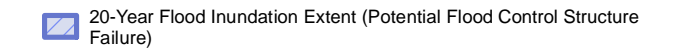
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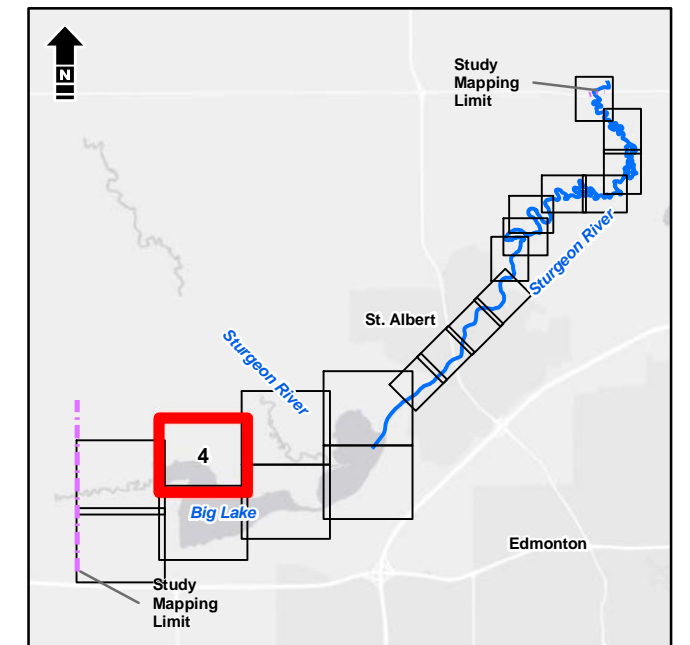
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1:10,000 metres  
 100 0 100 200  
 NAD 1983 CSRS 3TM 114

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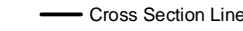
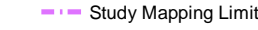
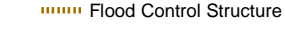
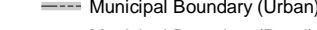
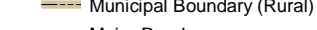





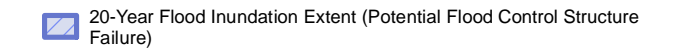
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 Mapbook | 20-Year**

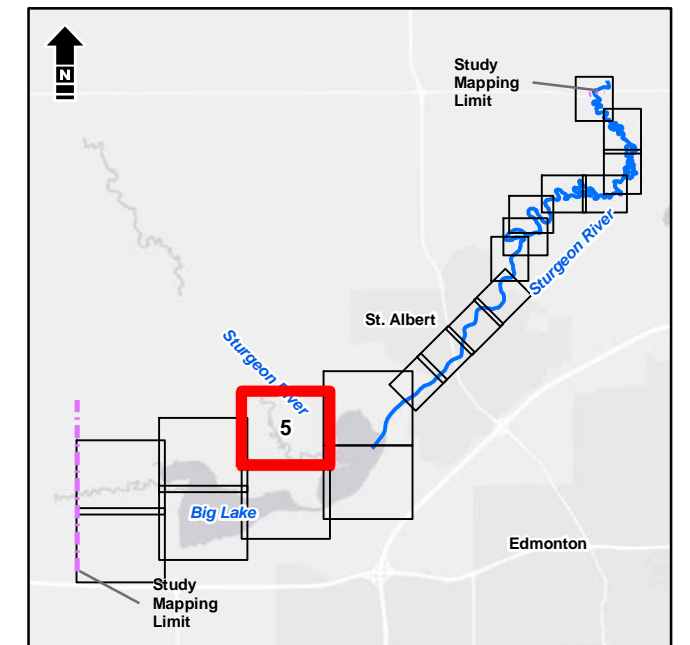
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1:10,000 metres  
 100 0 100 200  
 NAD 1983 CSRS 3TM 114

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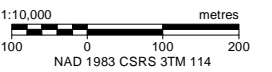
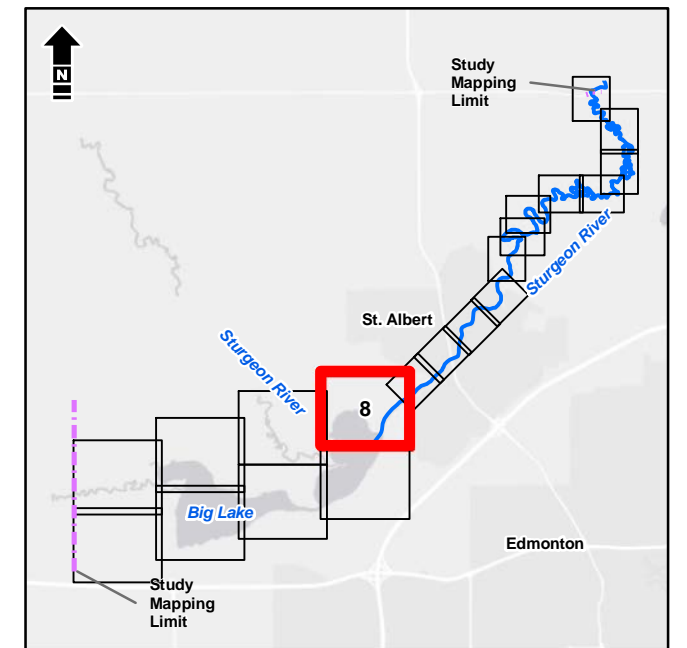
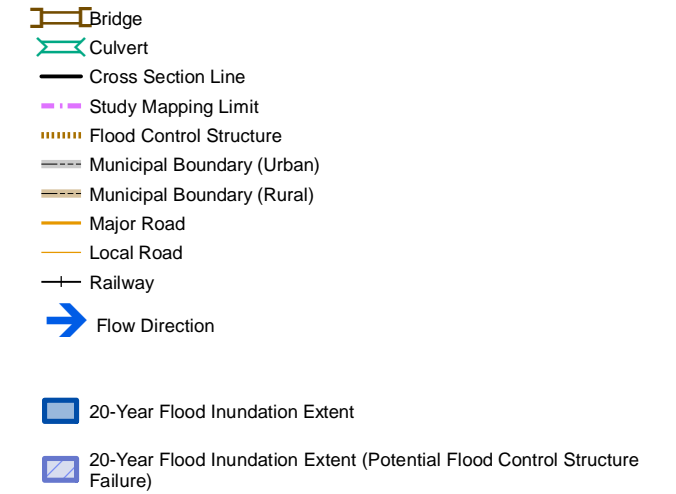












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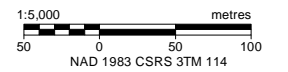
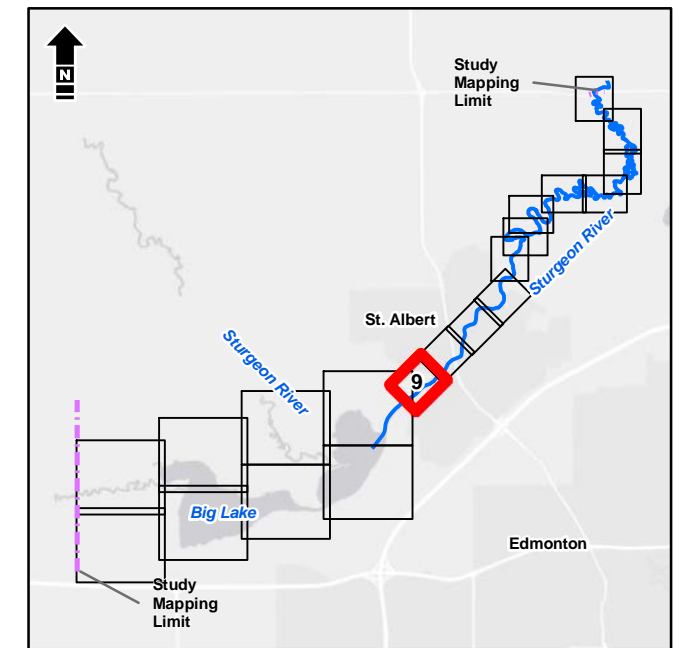
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**DISCHARGE**  
 Sturgeon River = 52 m<sup>3</sup>/s



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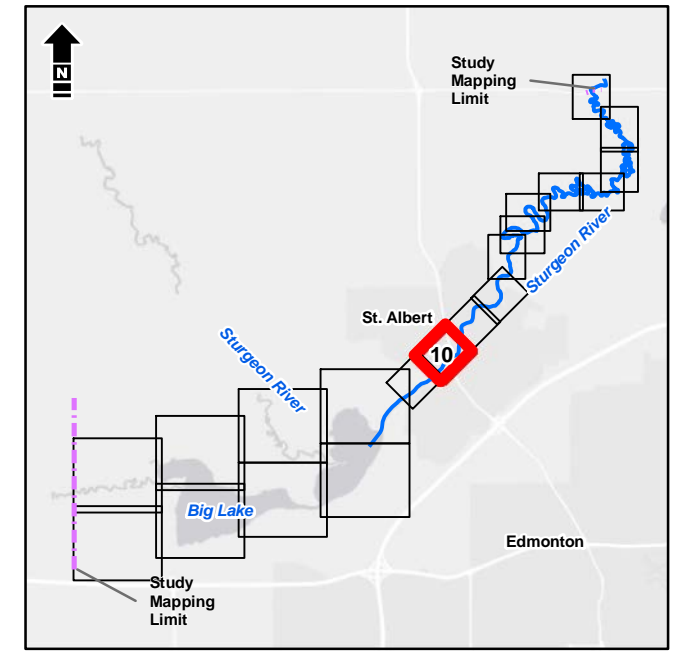
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1:5,000 metres  
 50 0 50 100  
 NAD 1983 CSRS 3TM 114



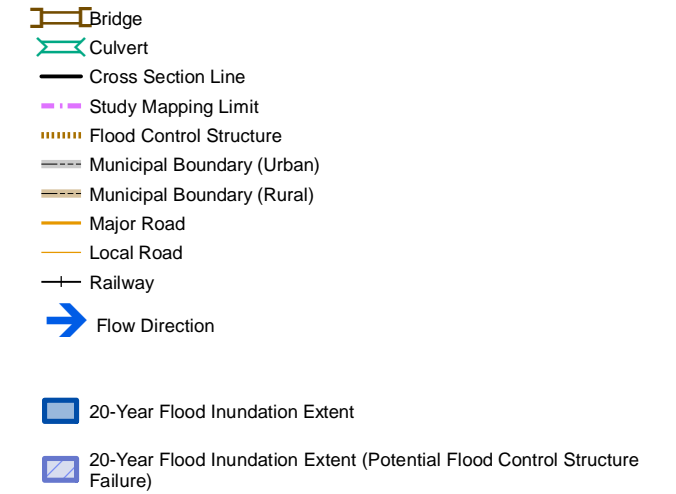
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 Mapbook | 20-Year**

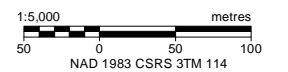
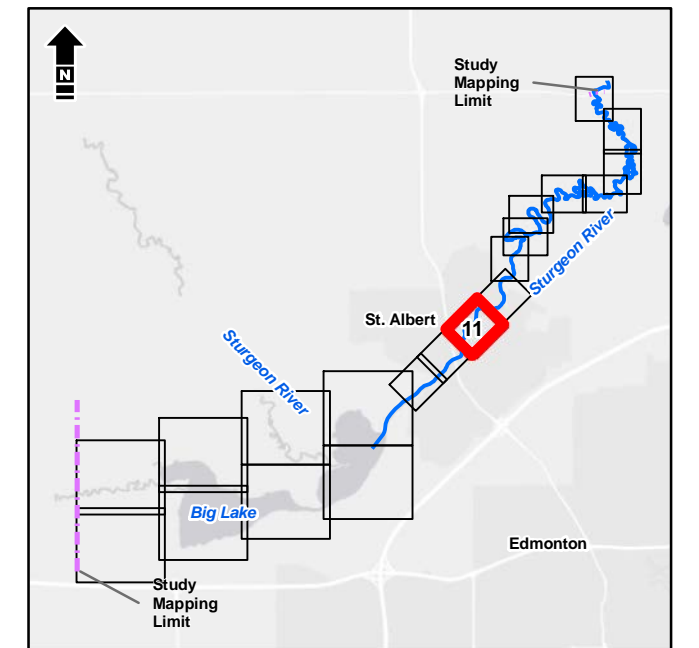
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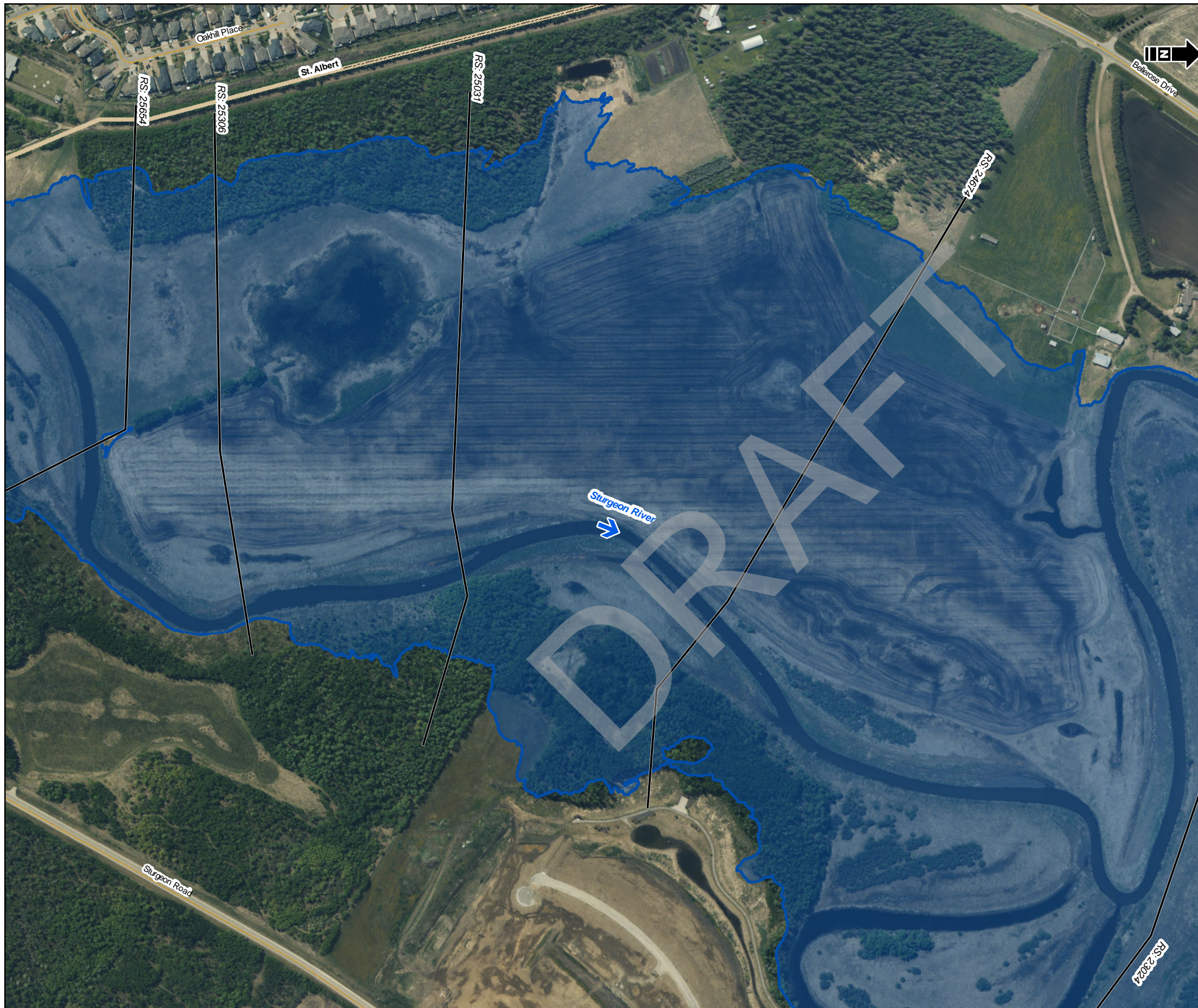
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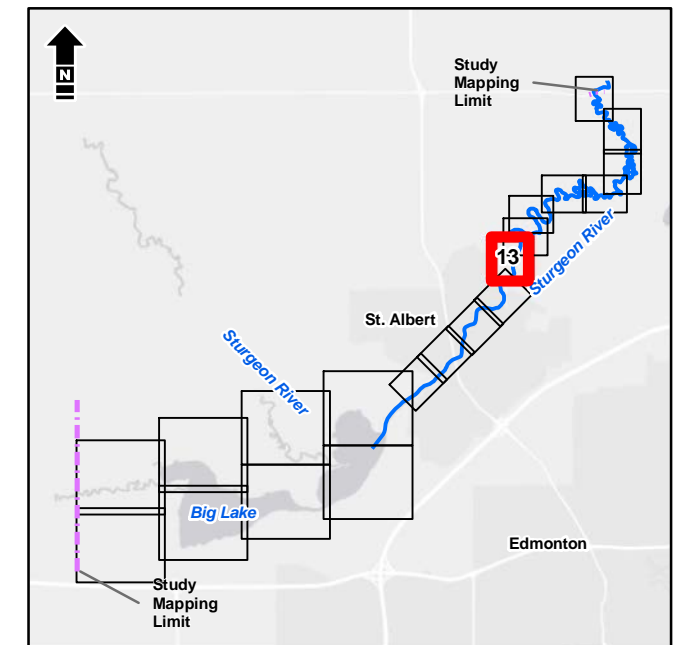






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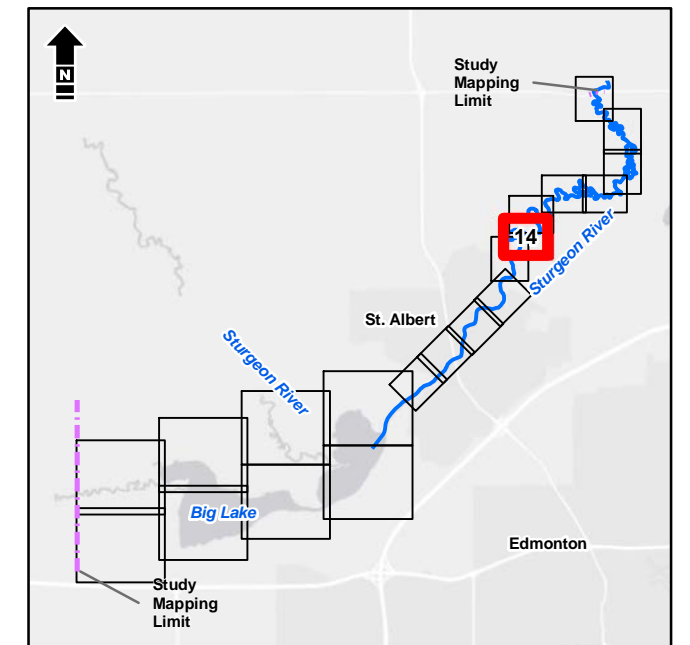
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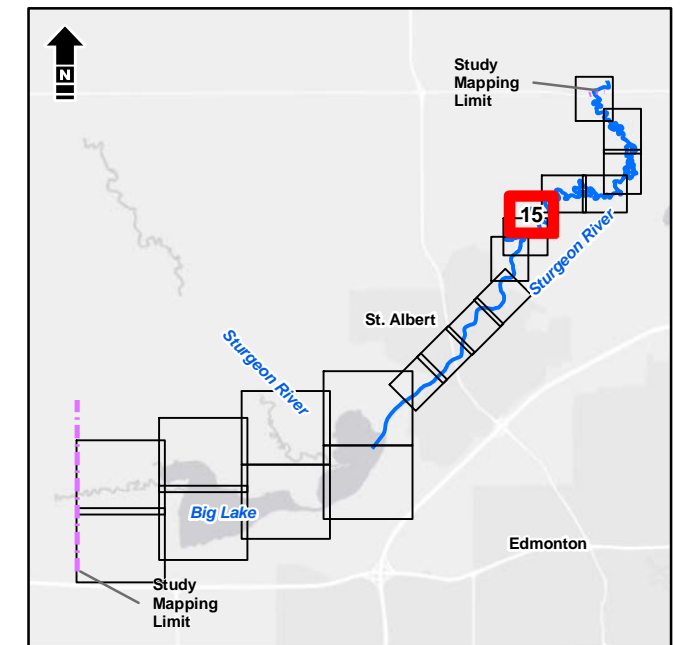
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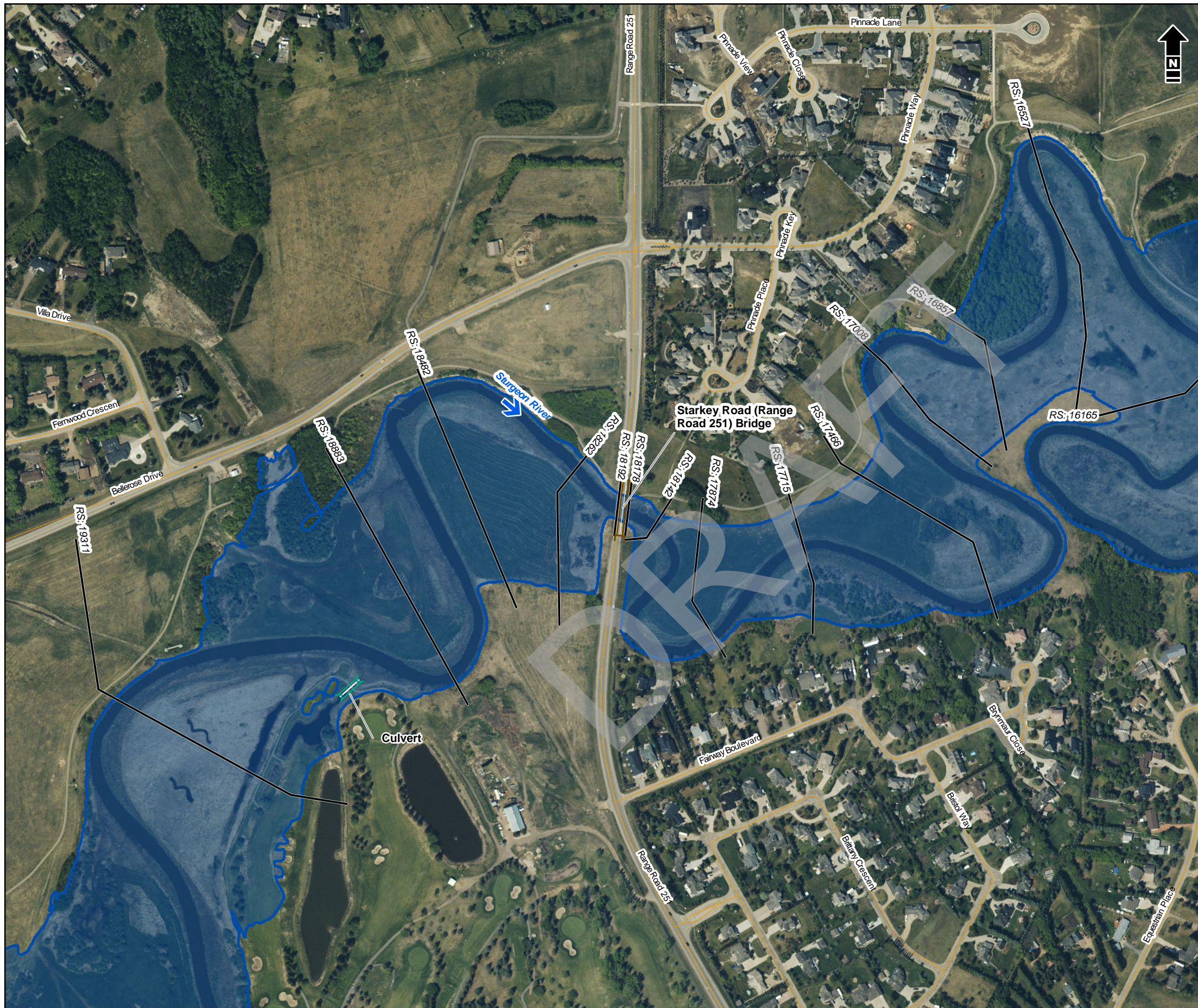
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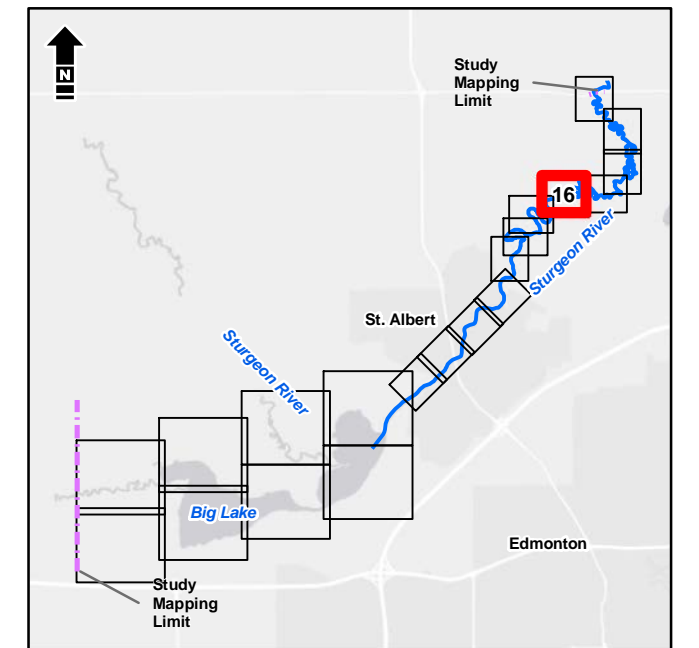
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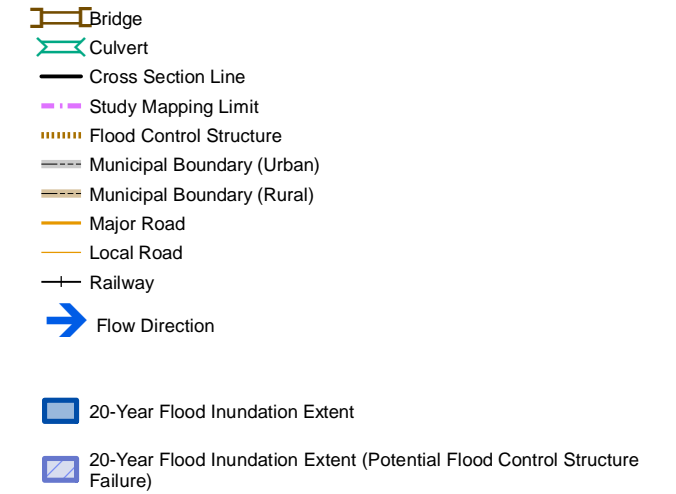
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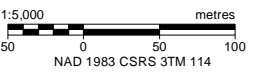
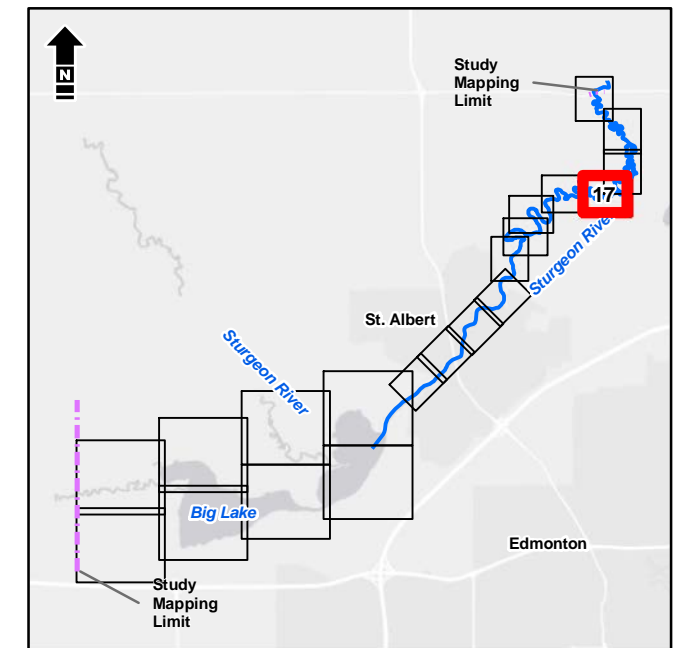
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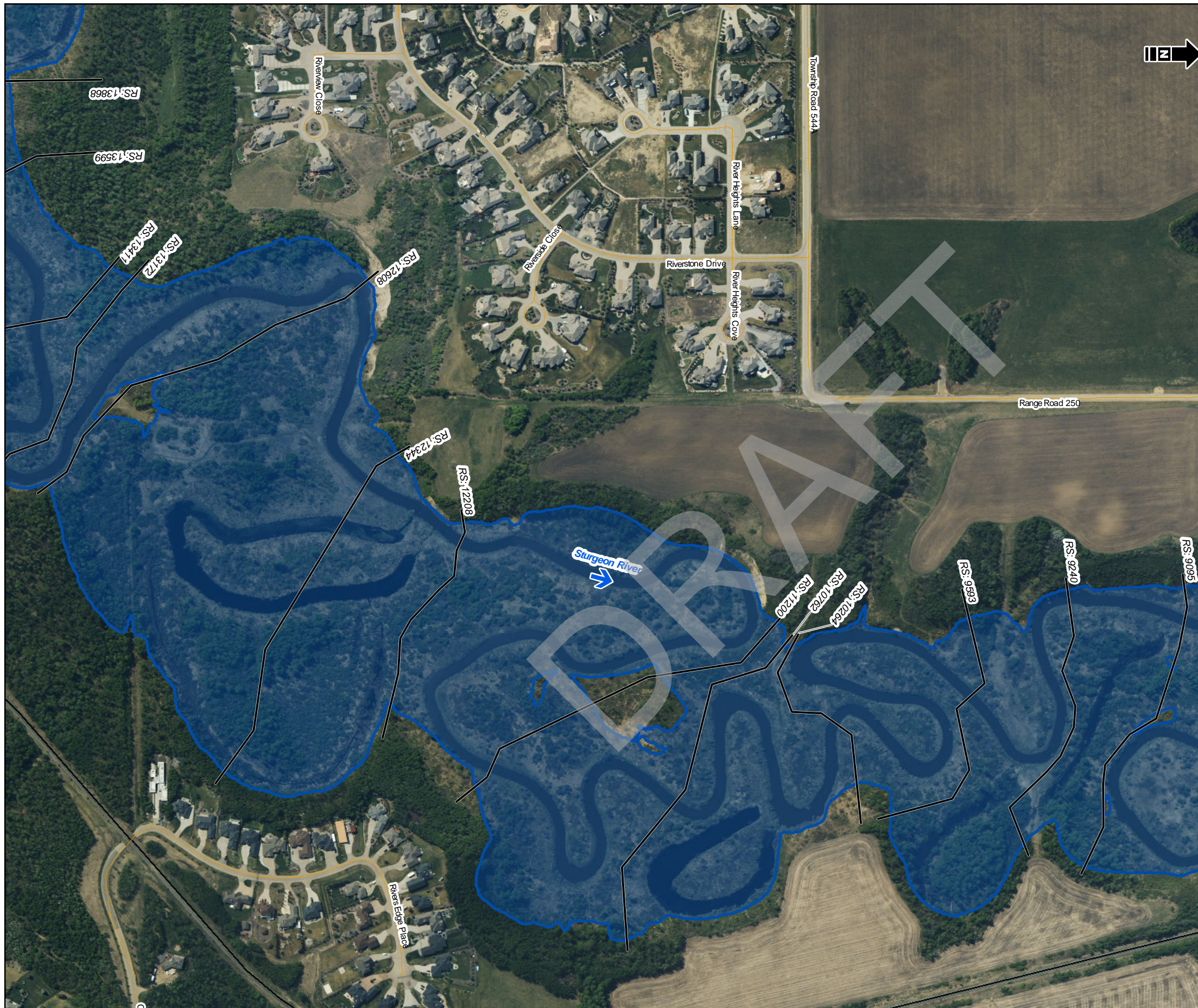
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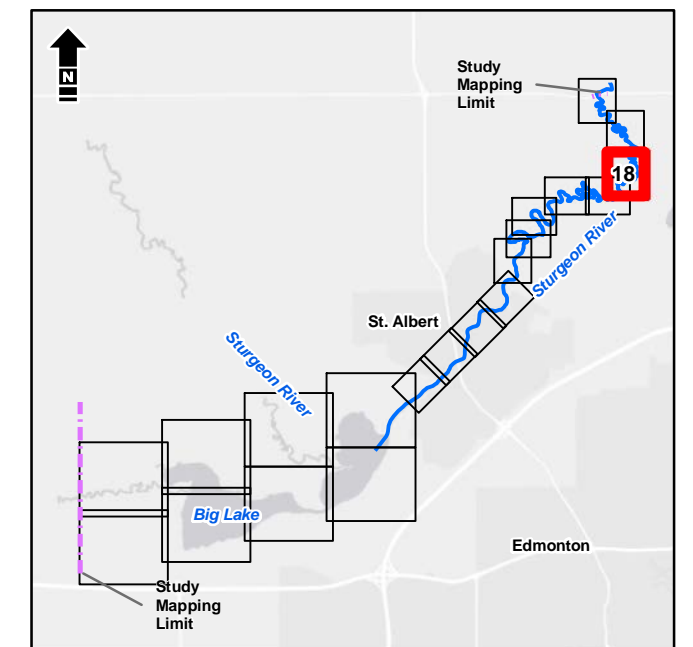
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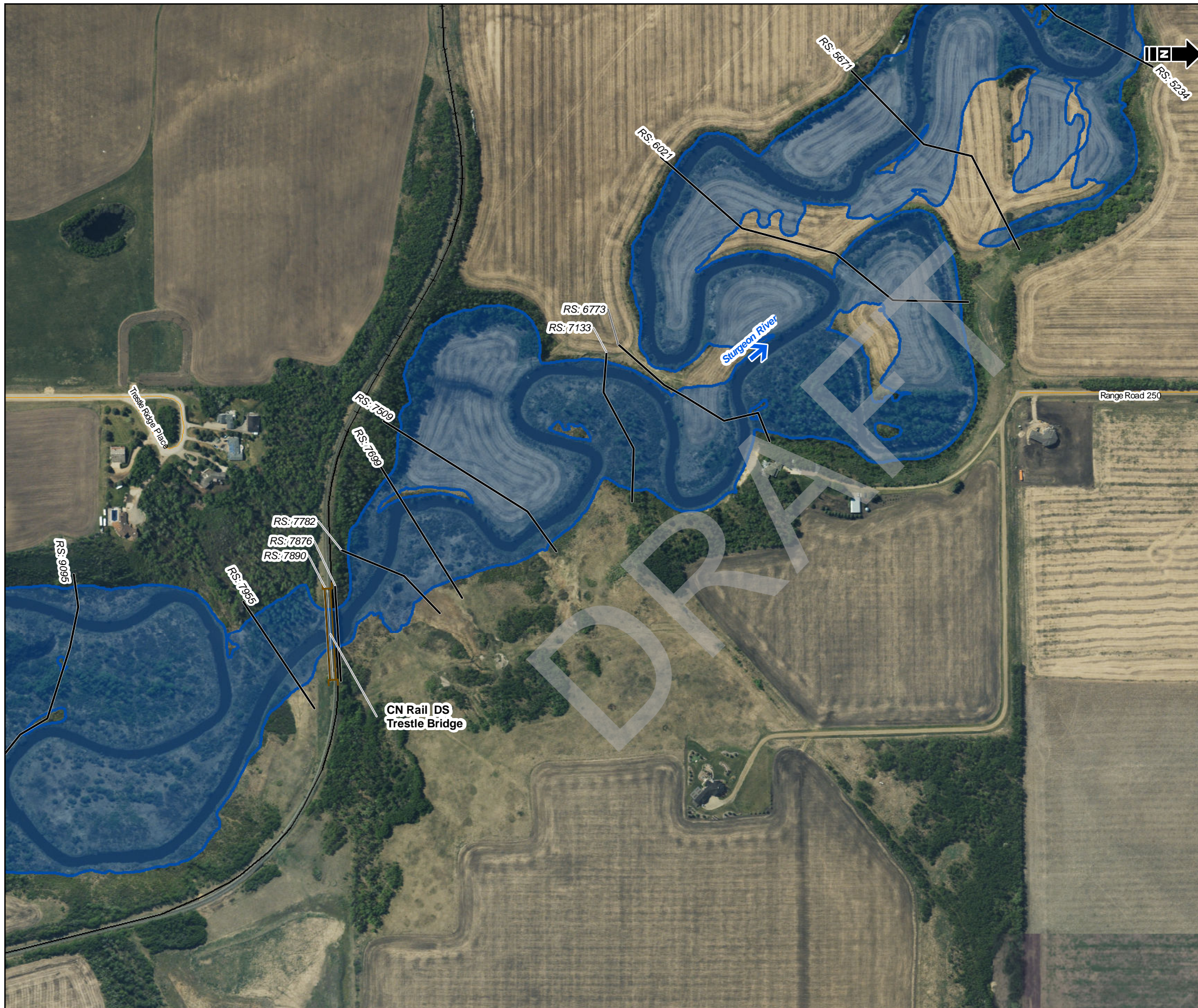
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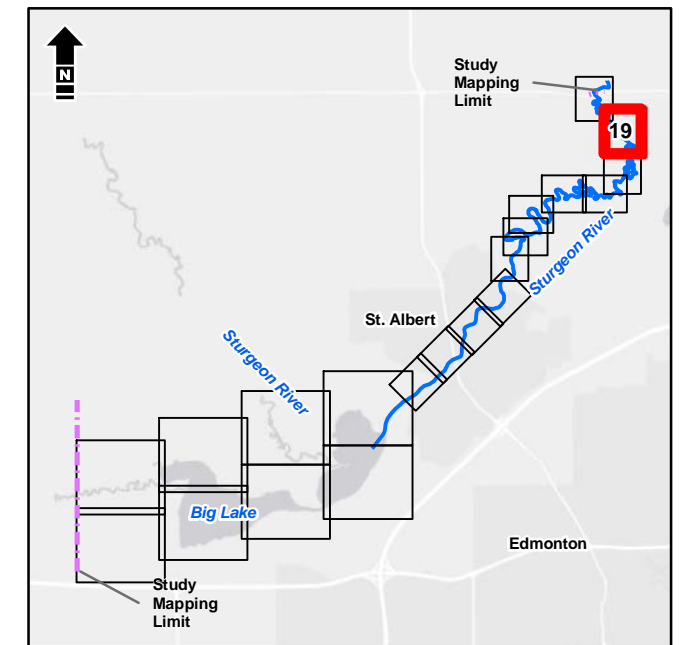
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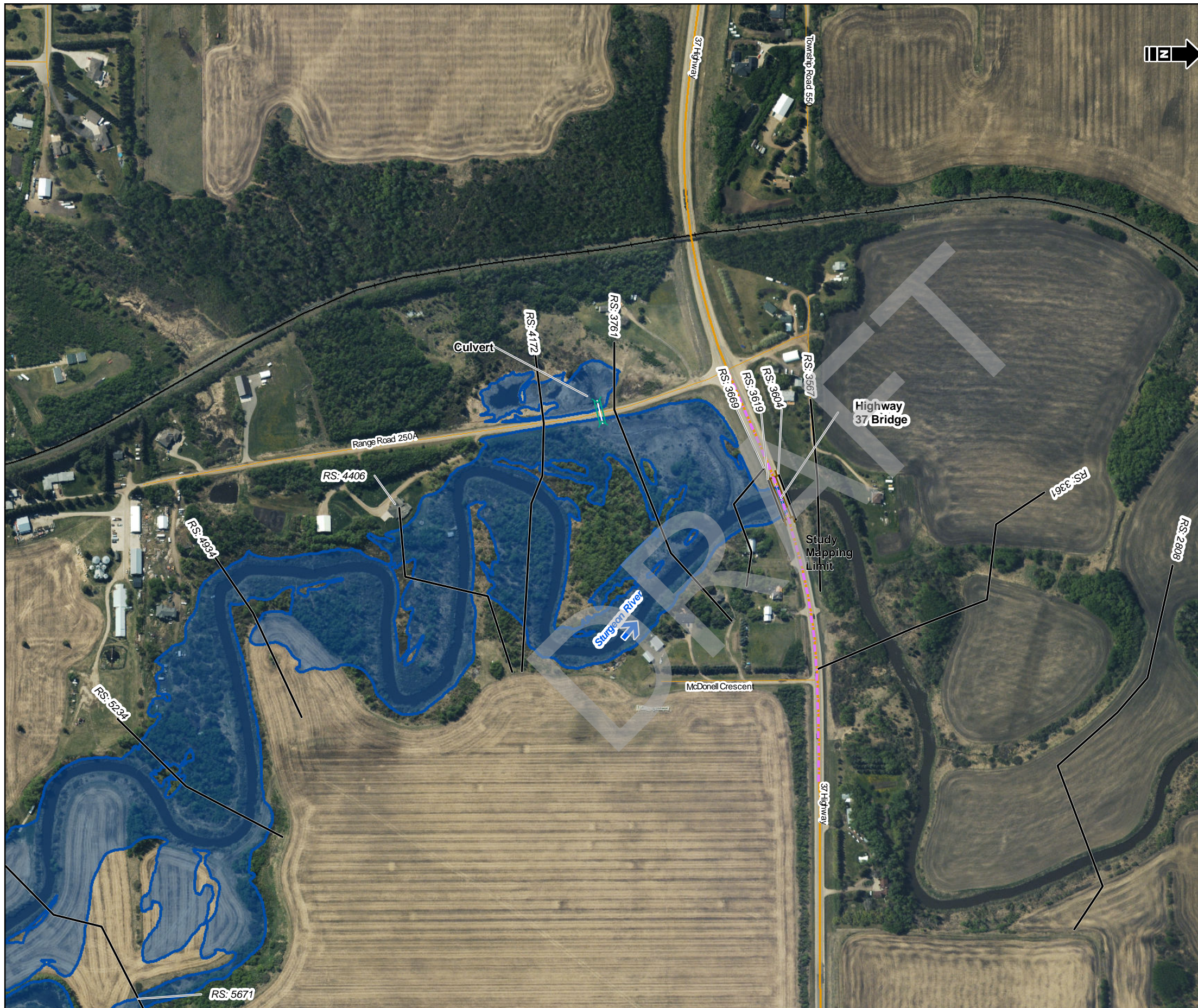
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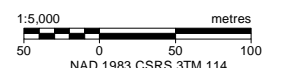
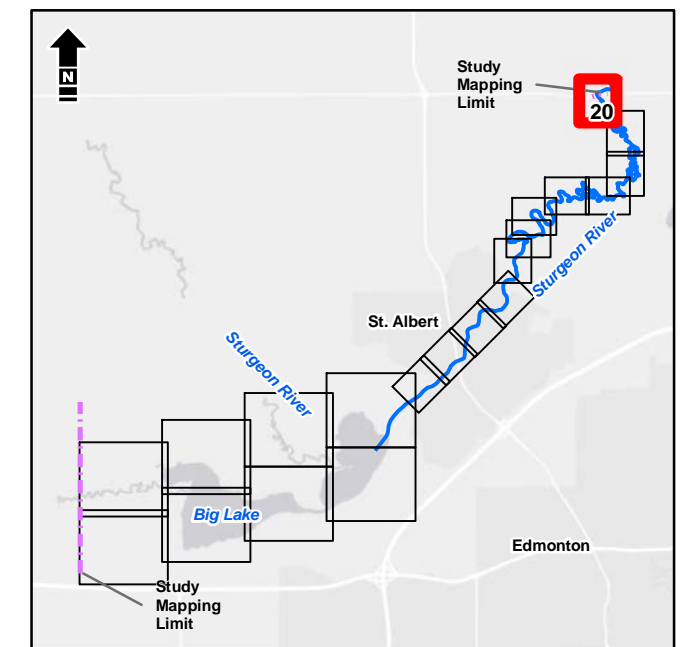
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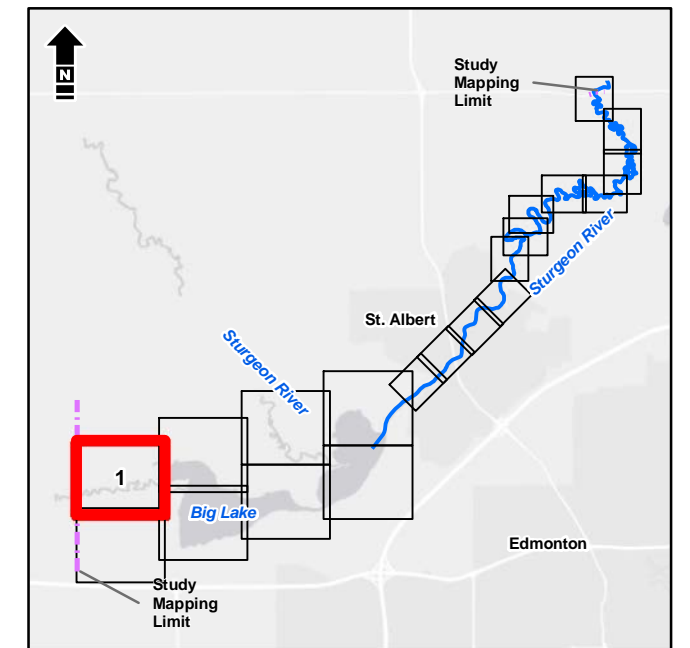
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1:10,000 metres  
 100 0 100 200  
 NAD 1983 CSRS 3TM 114

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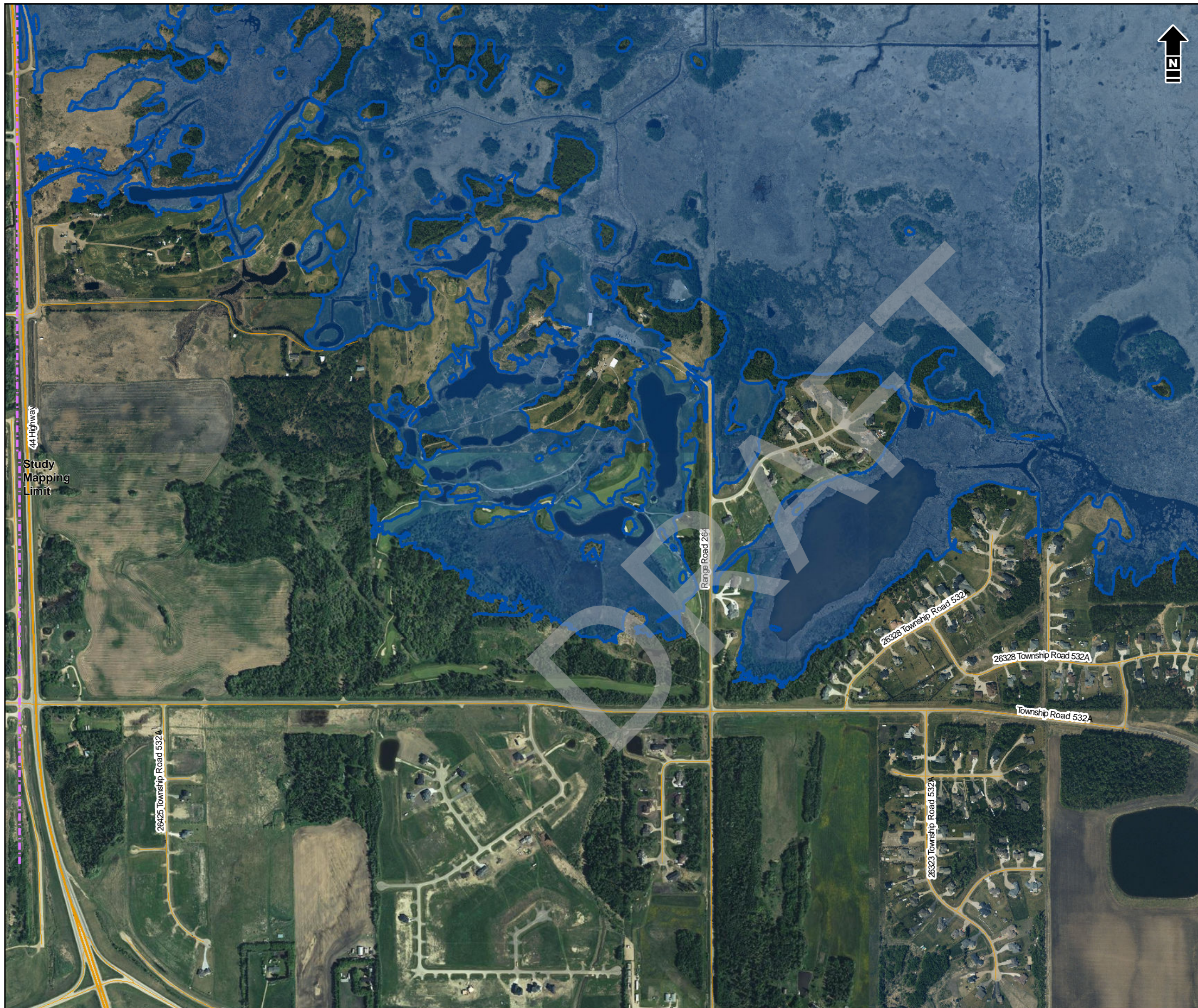
Alberta Government  
 St. Albert Flood Hazard Study

### Open Water Flood Inundation Mapbook | 35-Year

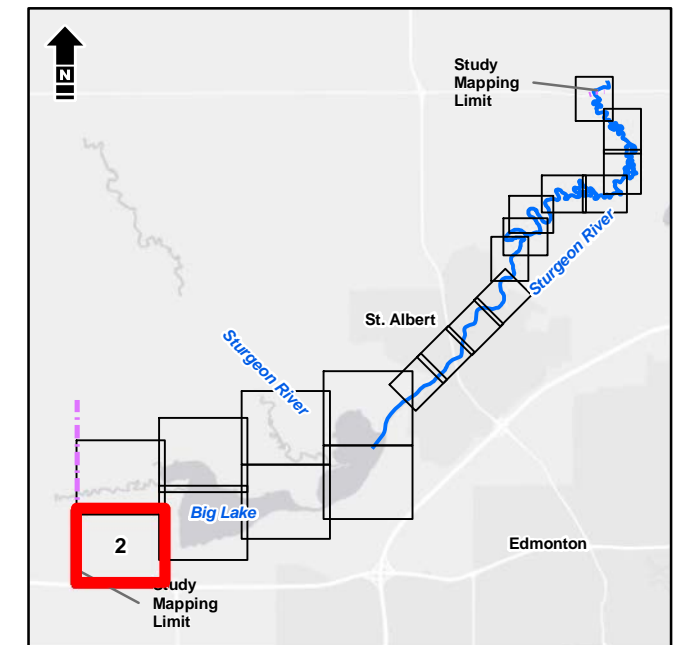
Date: March 2020 Project: 28312 Submitter: P. Rogers Reviewer: M. Shome

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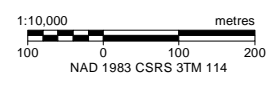
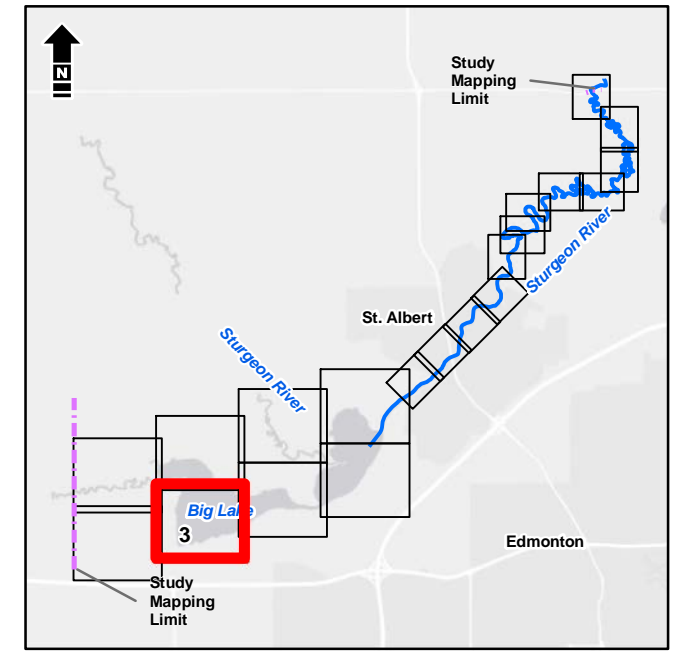
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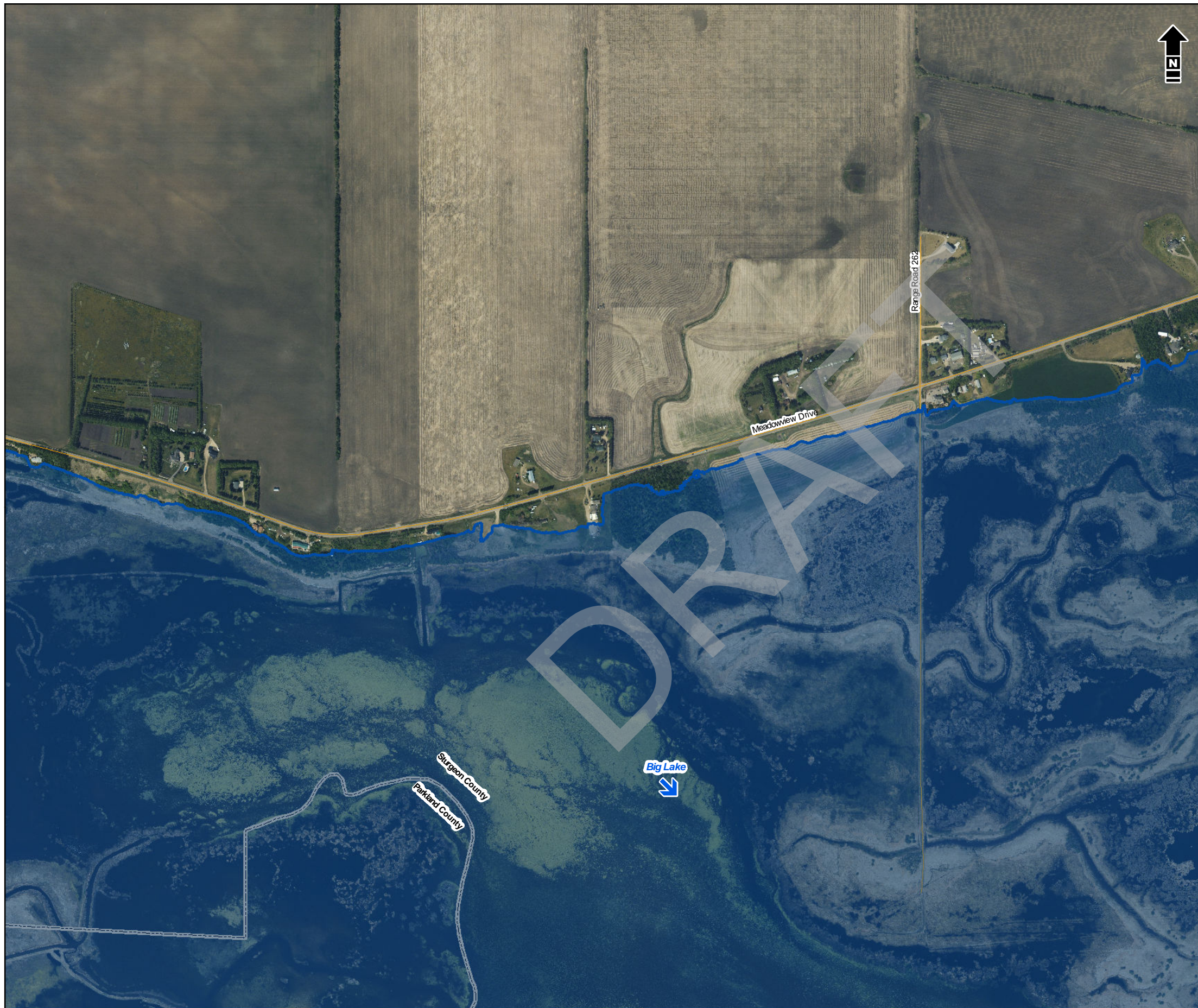
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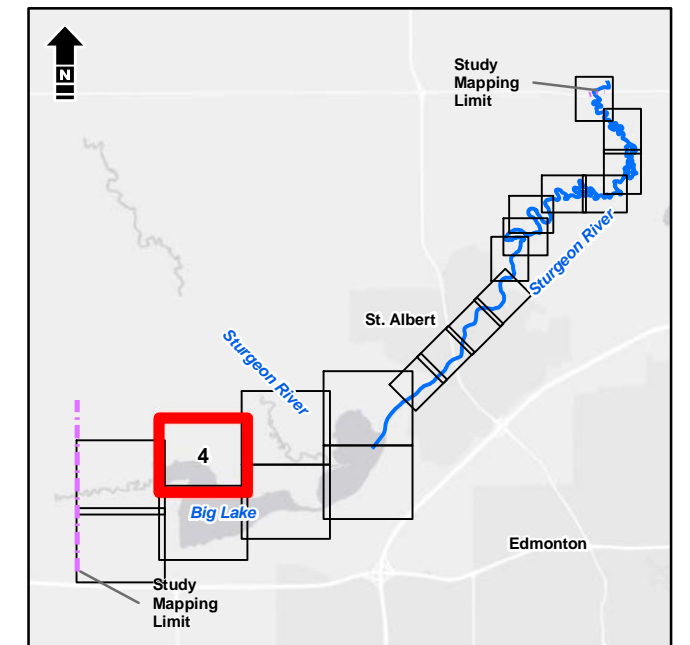
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1:10,000 metres  
 100 0 100 200  
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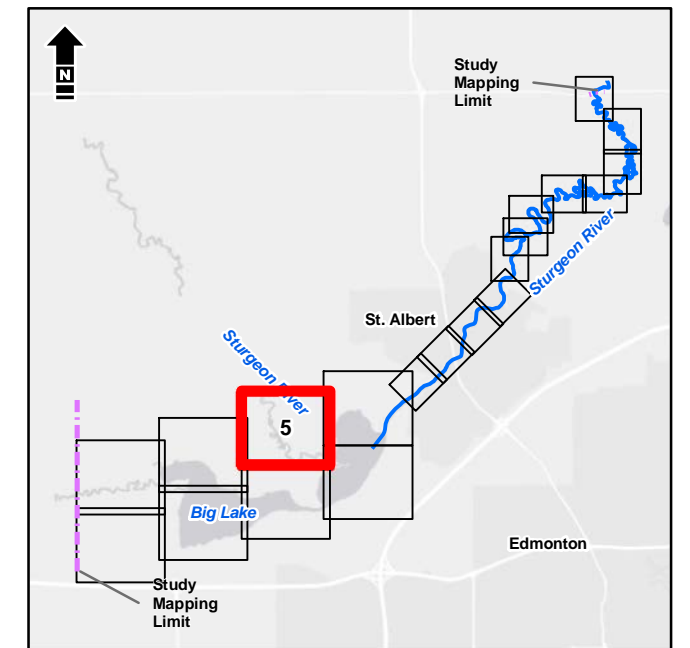
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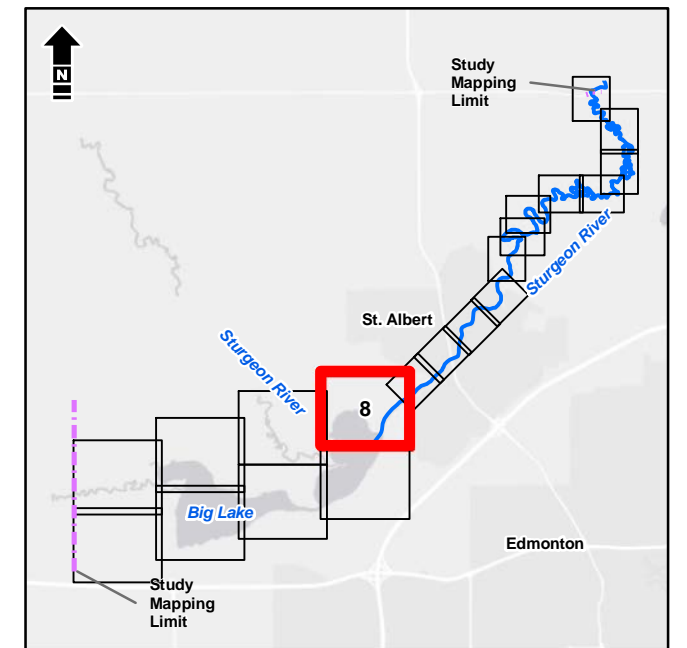








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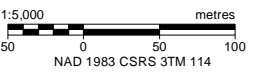
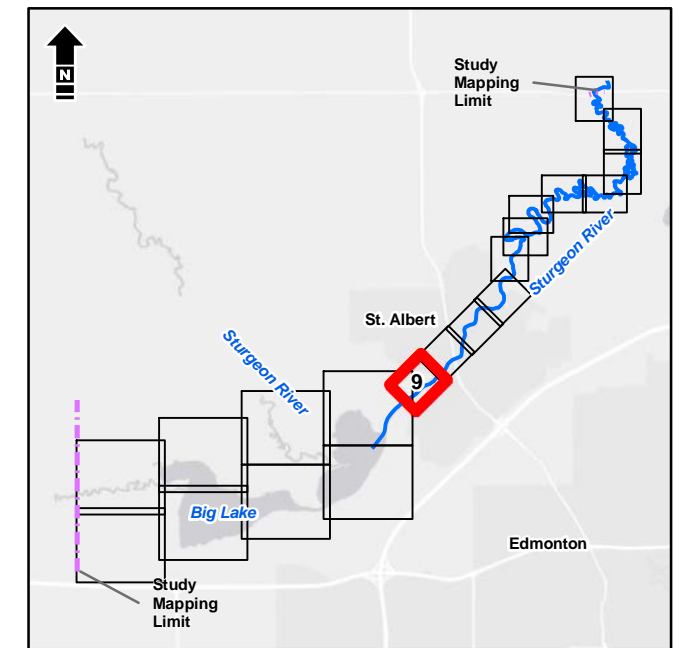
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**DISCHARGE**  
Sturgeon River = 64 m<sup>3</sup>/s



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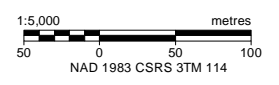
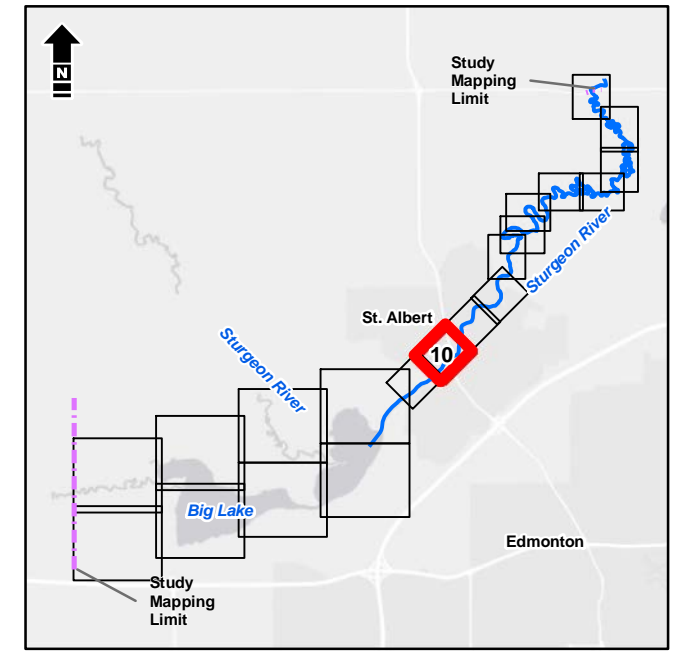
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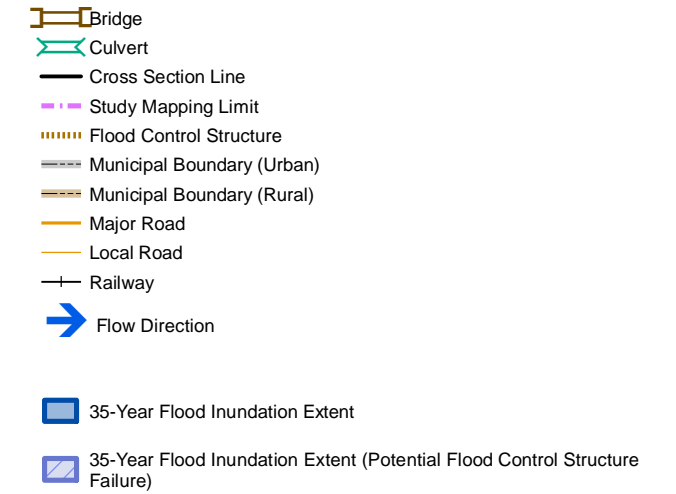
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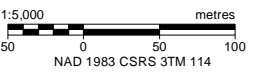
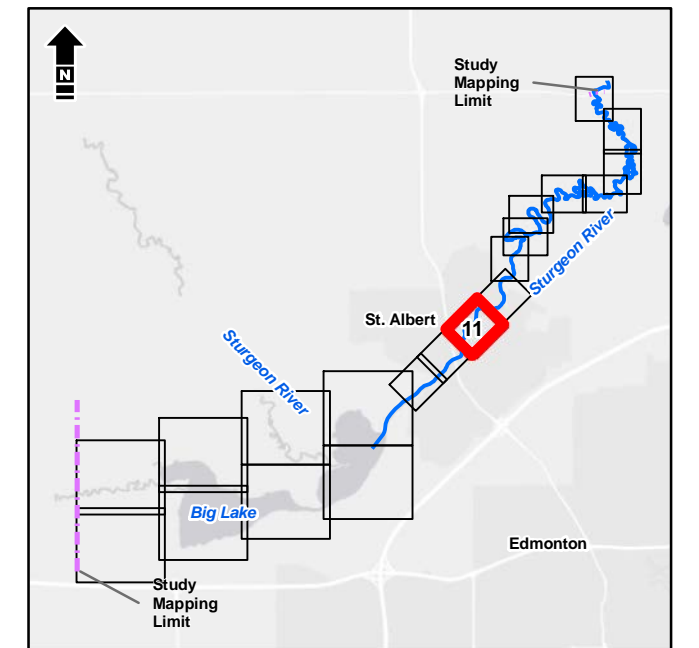
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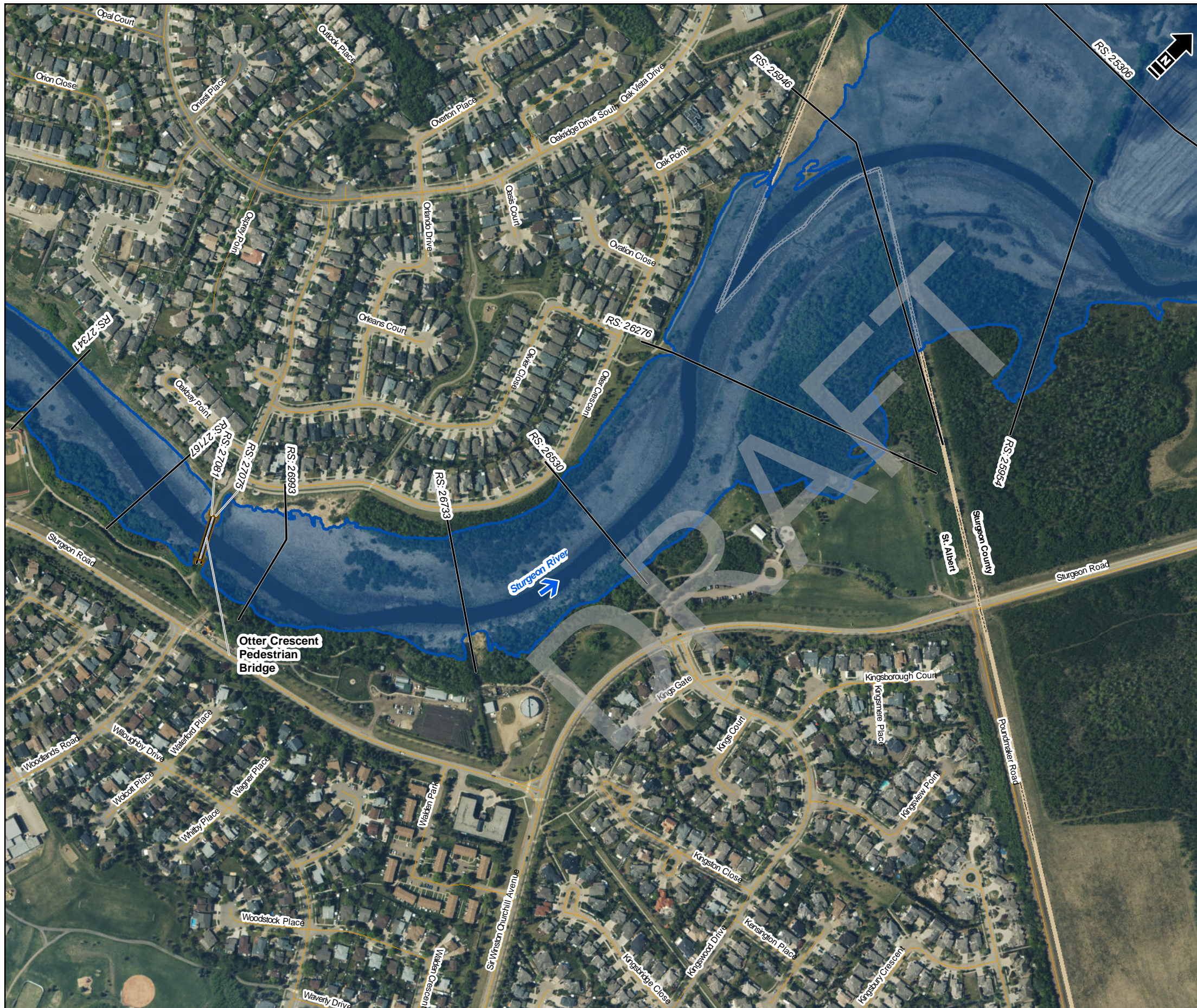
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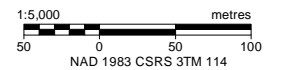
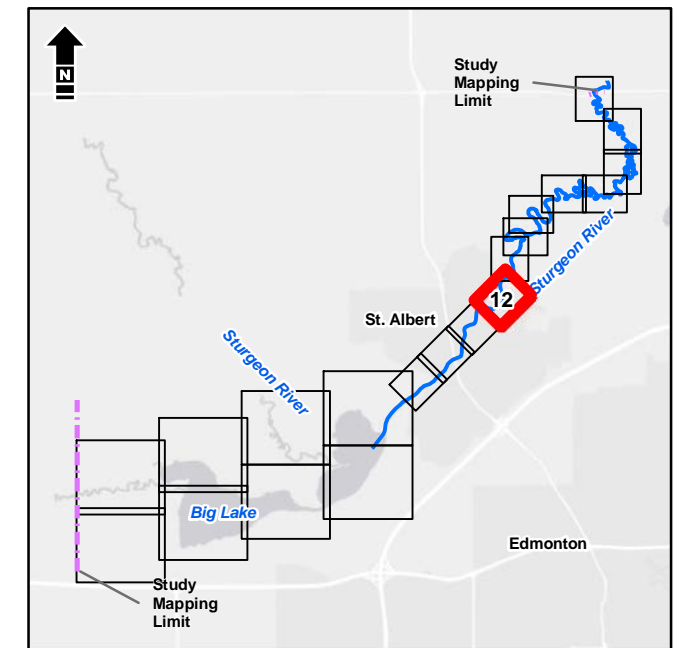
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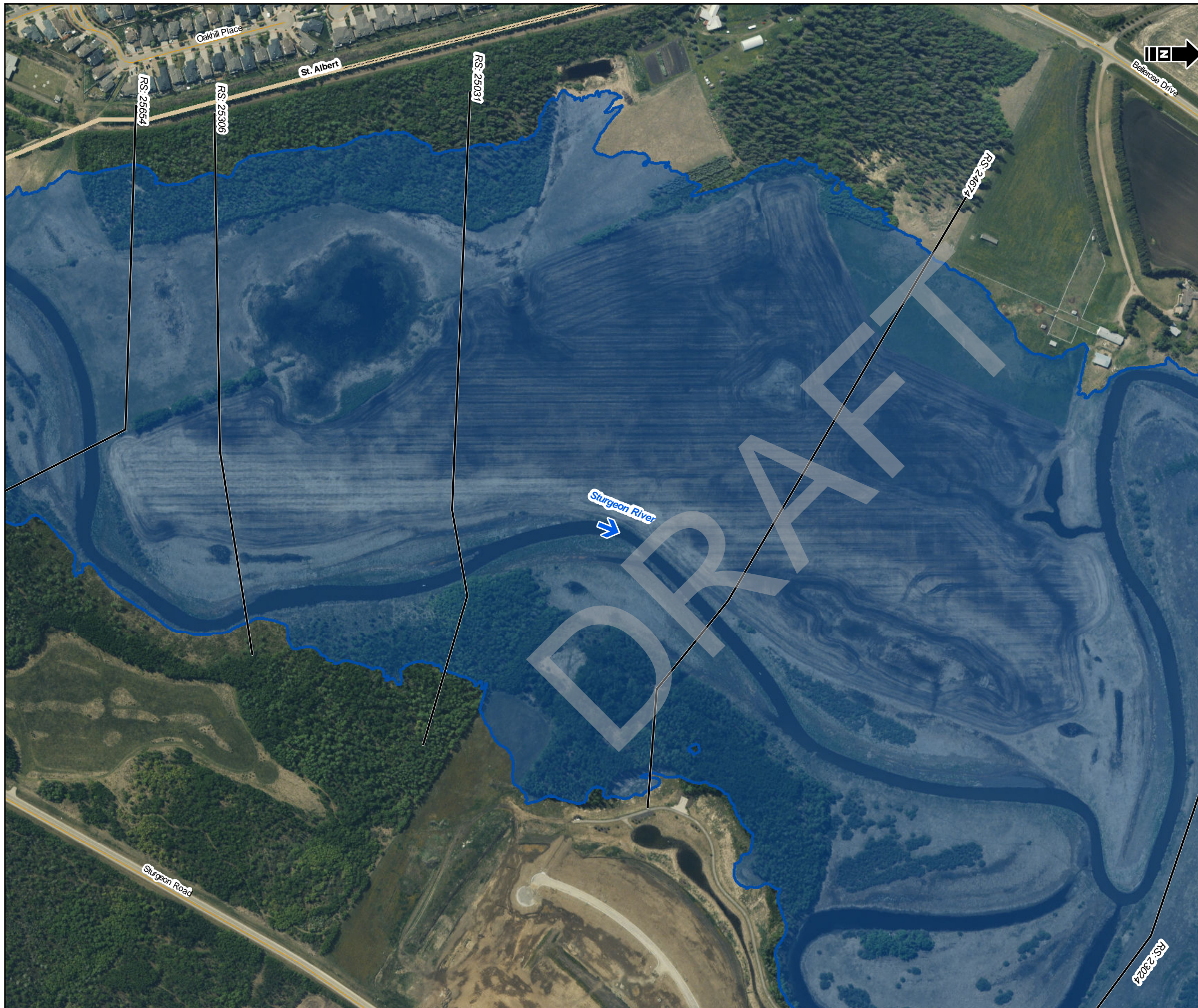
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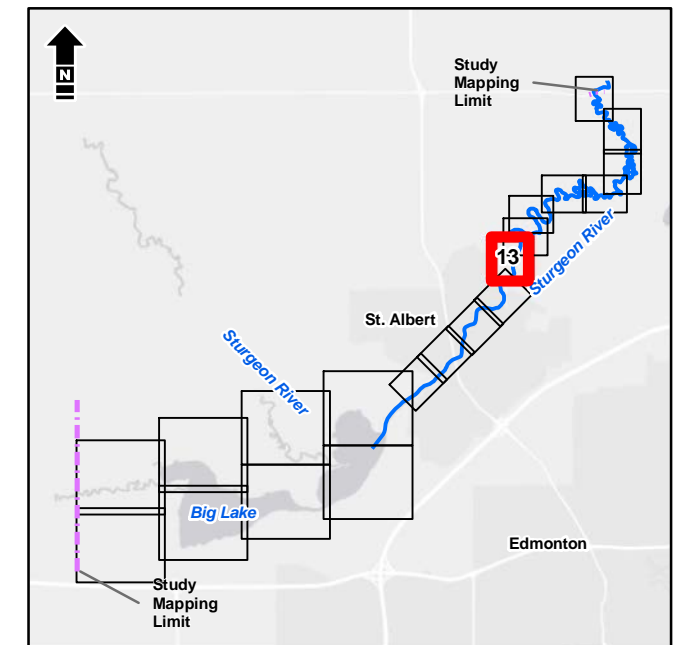
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1:5,000 metres  
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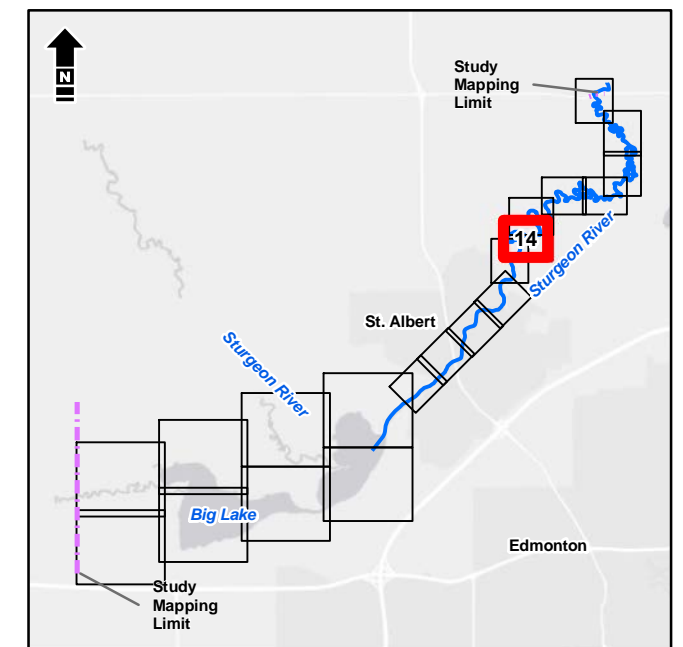
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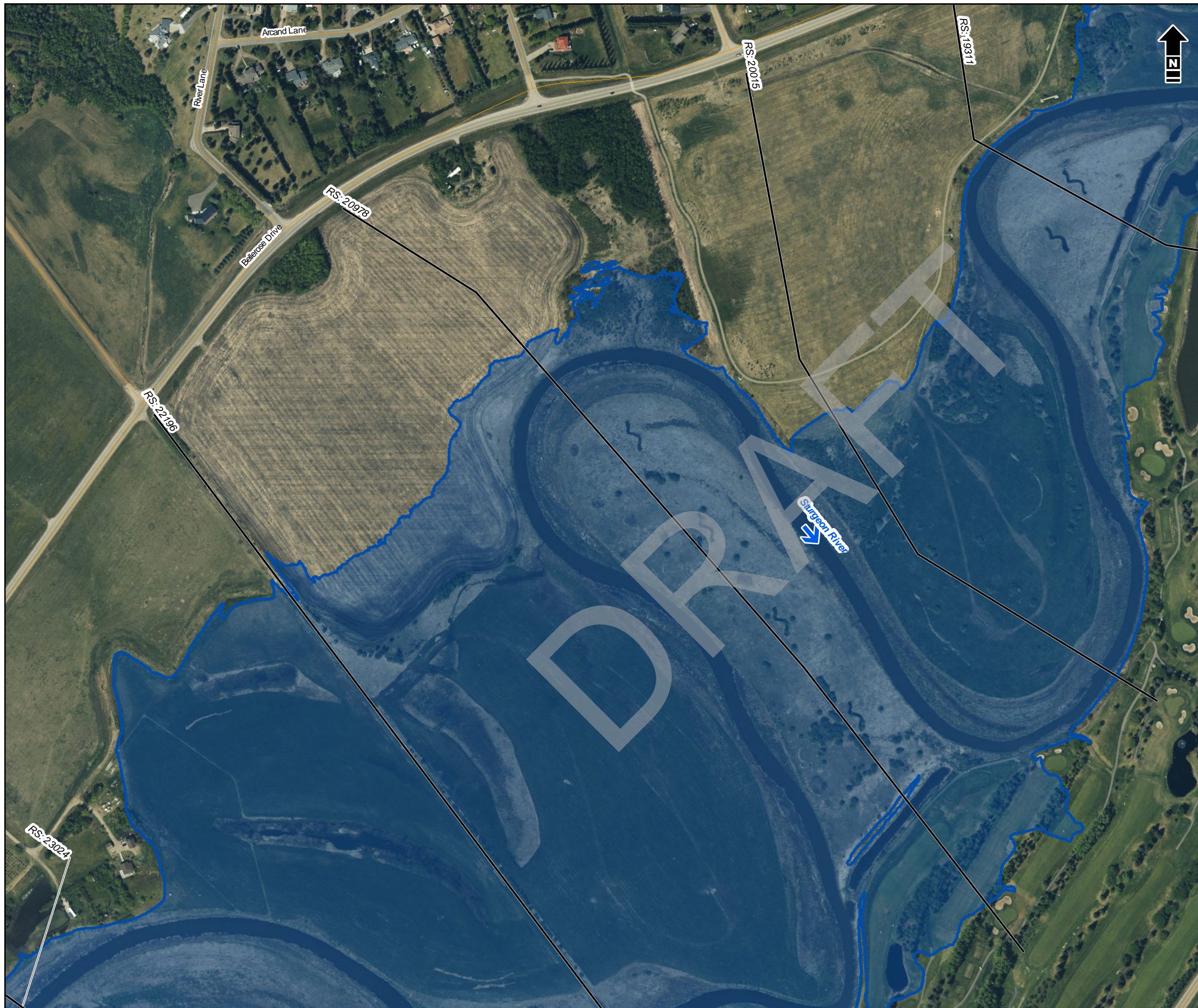
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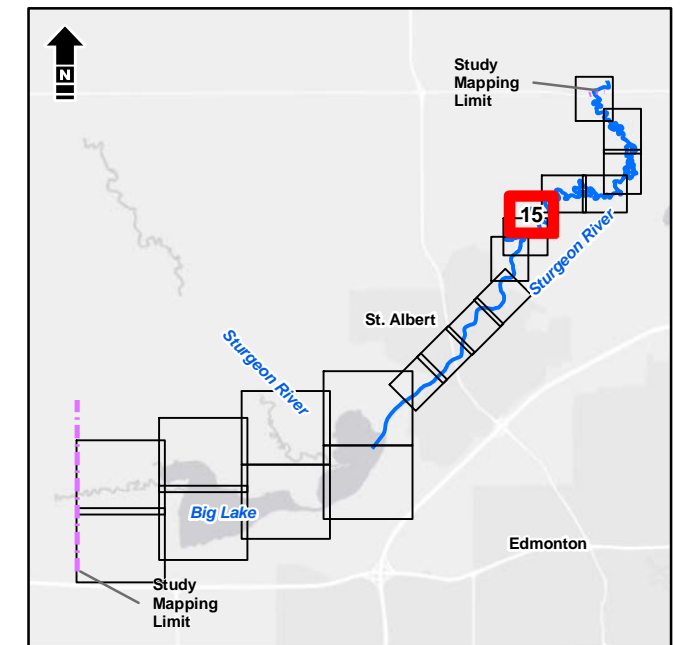
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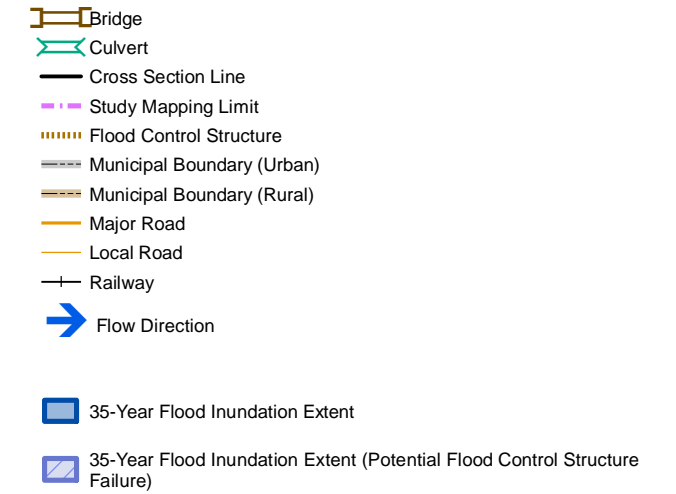
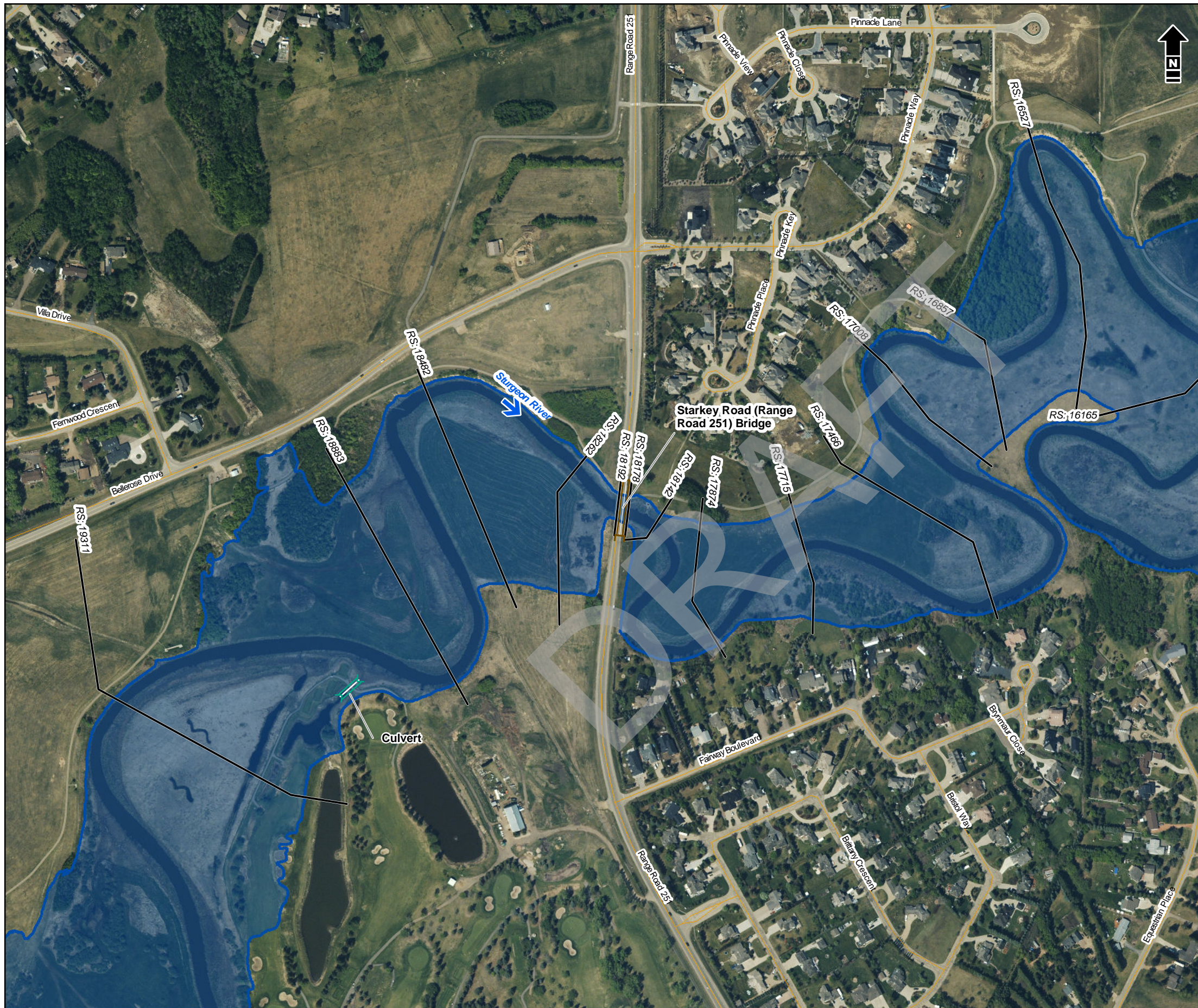
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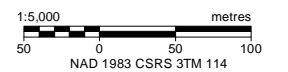
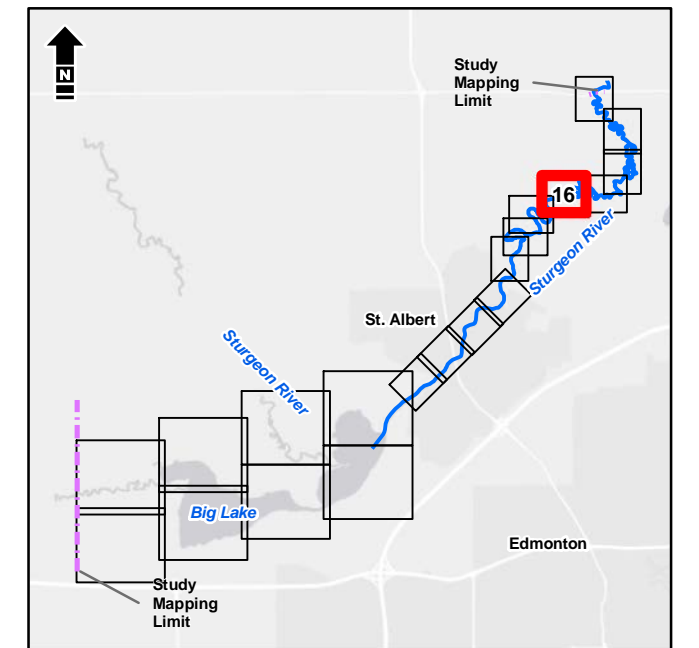
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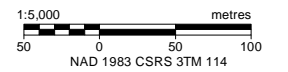
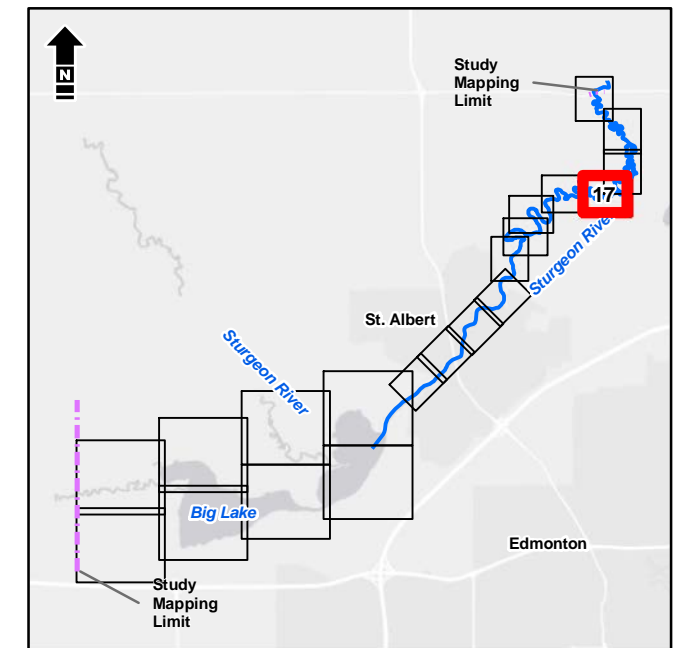
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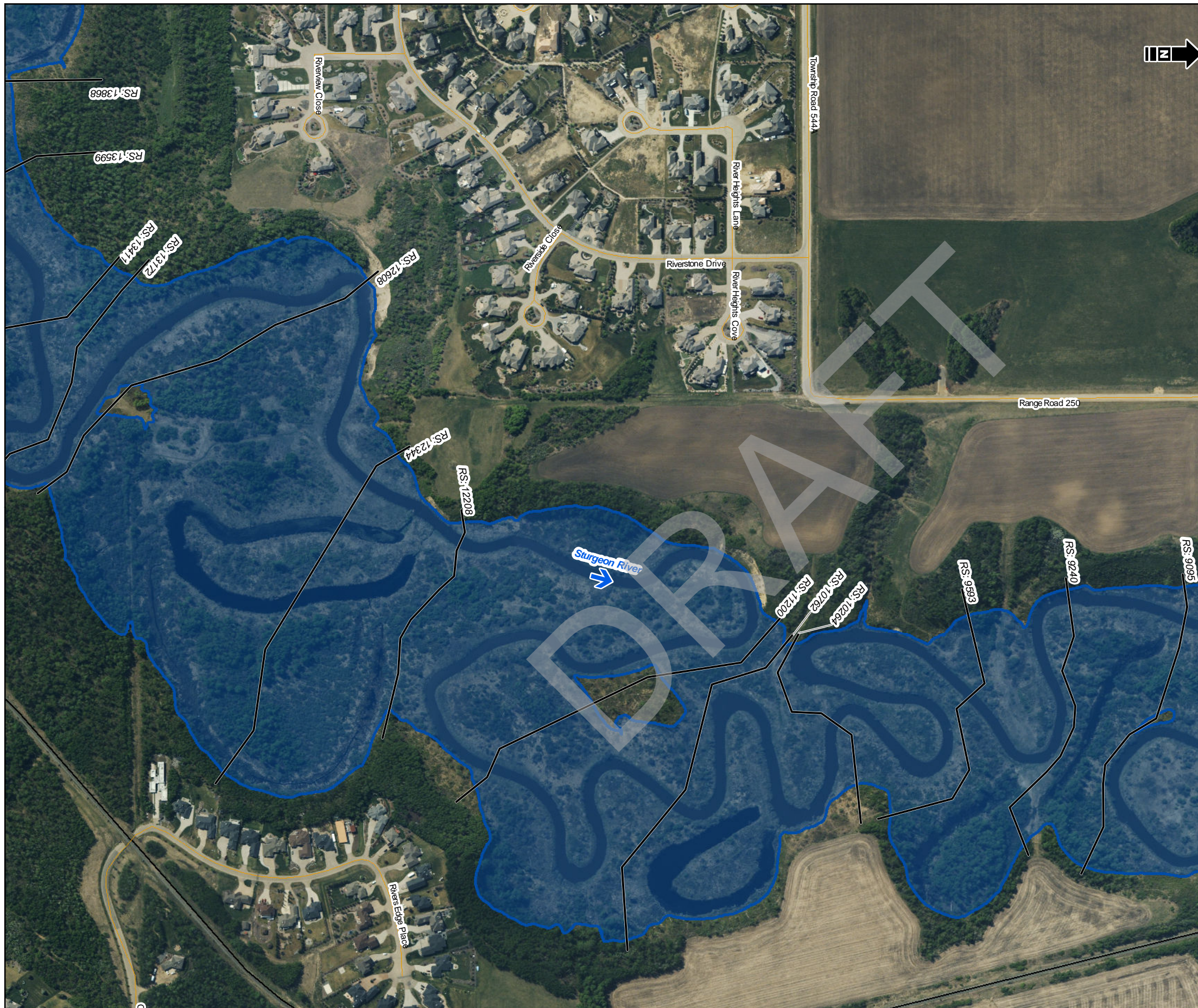
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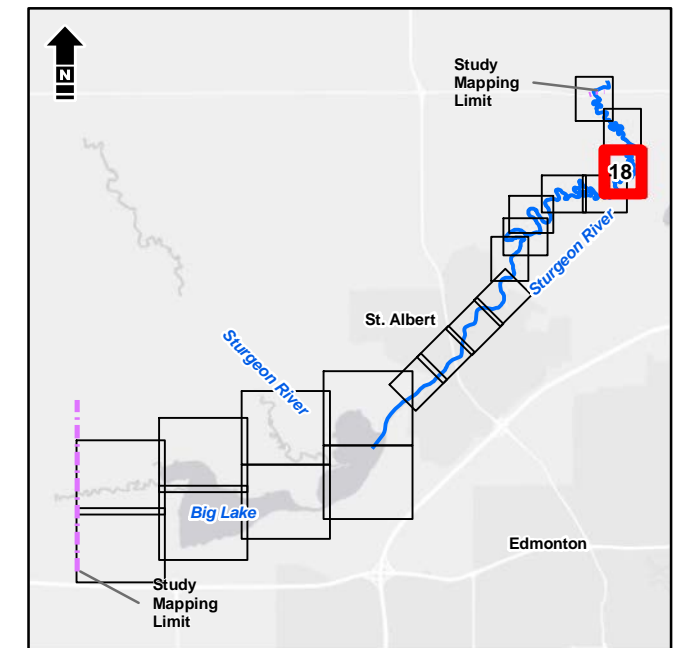
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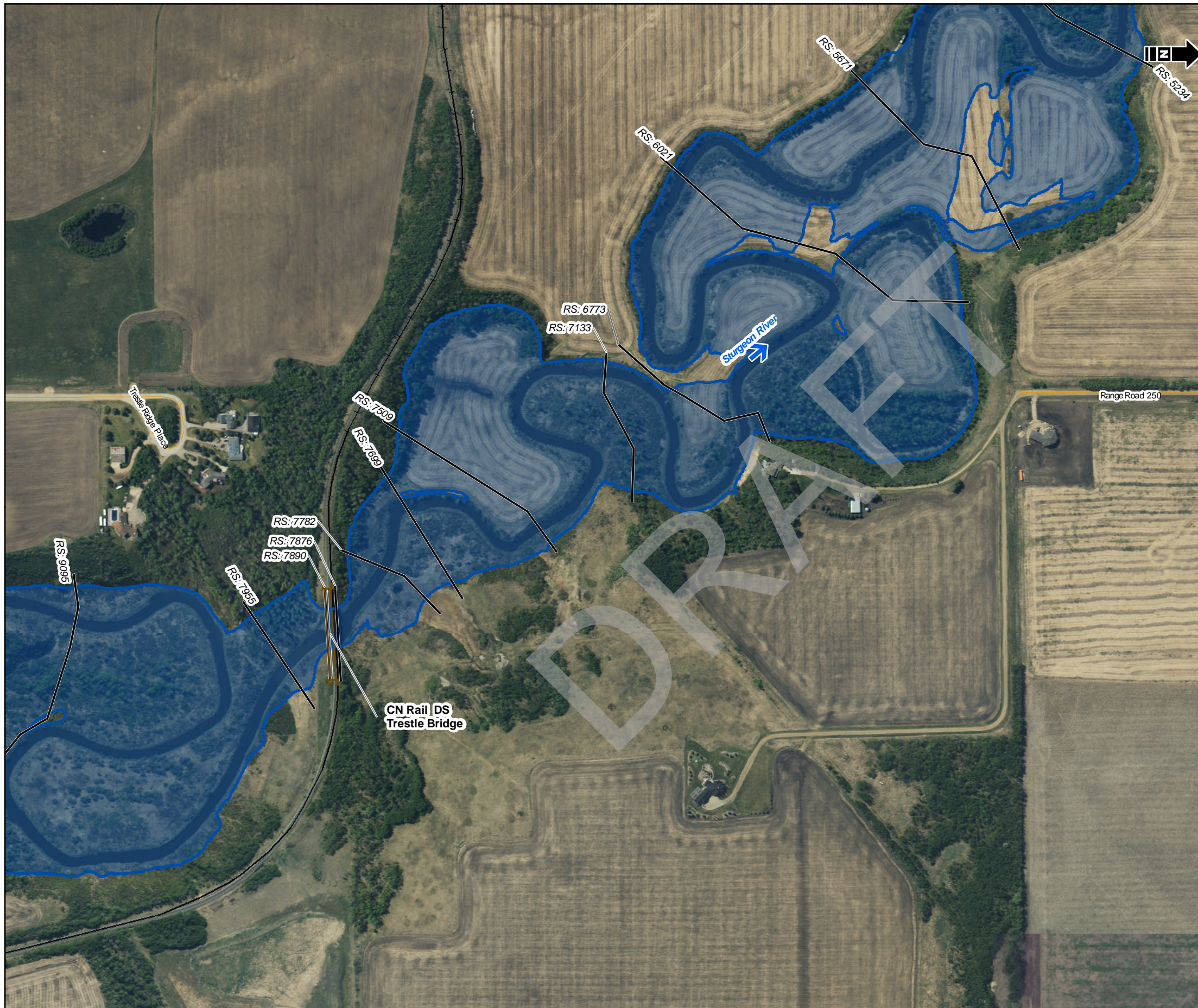
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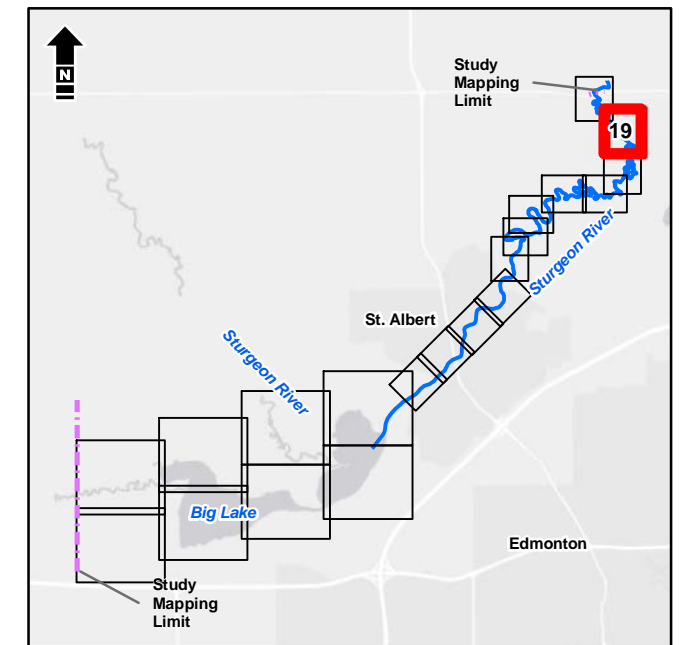
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- 35-Year Flood Inundation Extent
  - 35-Year Flood Inundation Extent (Potential Flood Control Structure Failure)

**DISCHARGE**  
Sturgeon River = 64 m<sup>3</sup>/s



1:5,000 metres

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Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

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ENVIRONMENT & ENGINEERING

*Alberta*

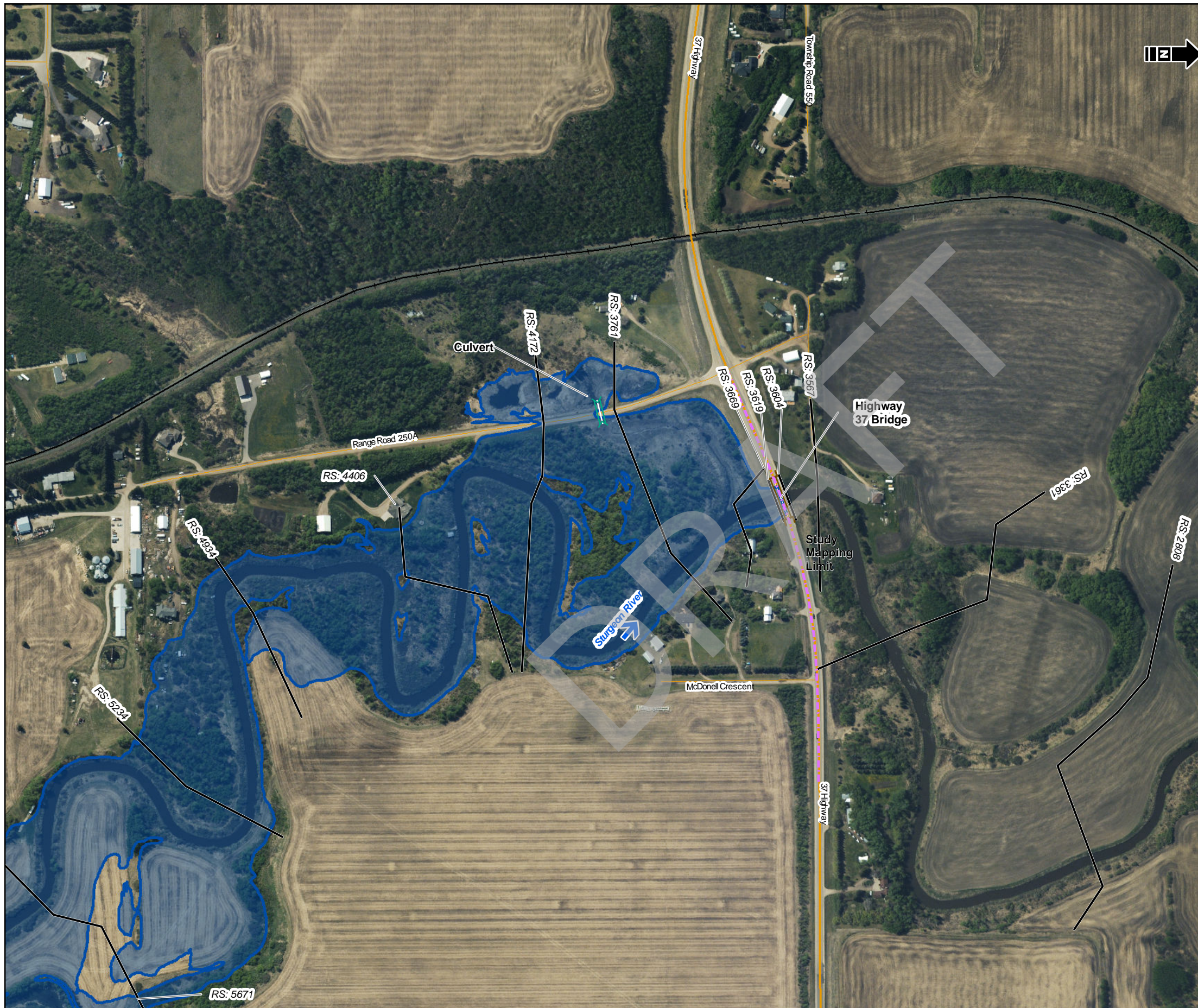
Alberta Government  
St. Albert Flood Hazard Study

**Open Water Flood Inundation  
Mapbook | 35-Year**

Date: March 2020 Project: 28312 Submitter: P. Rogers Reviewer: M. Shome

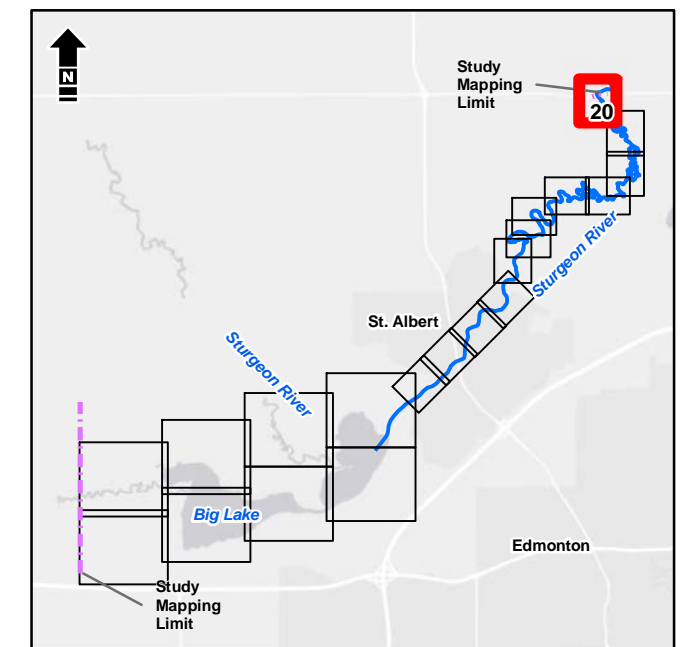
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 NAD 1983 CSRS 3TM 114



Alberta Government  
St. Albert Flood Hazard Study

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Mapbook | 35-Year**

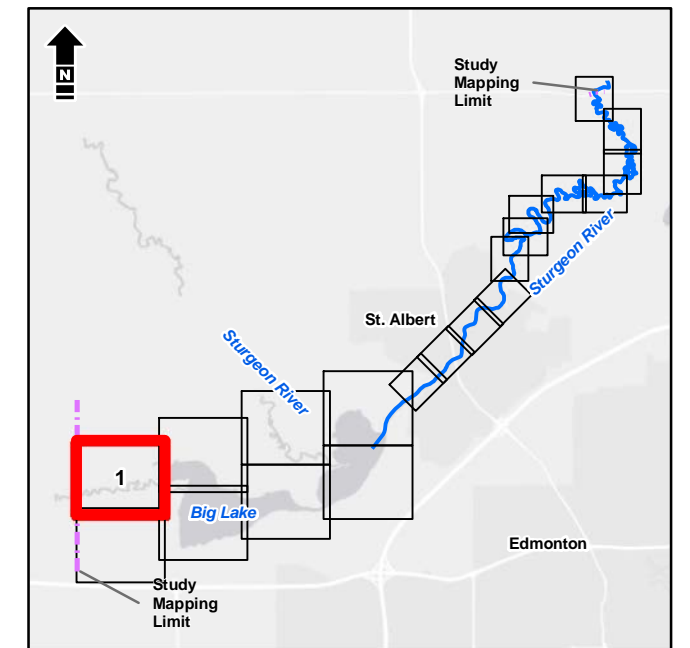
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1:10,000 metres  
 100 0 100 200  
 NAD 1983 CSRS 3TM 114

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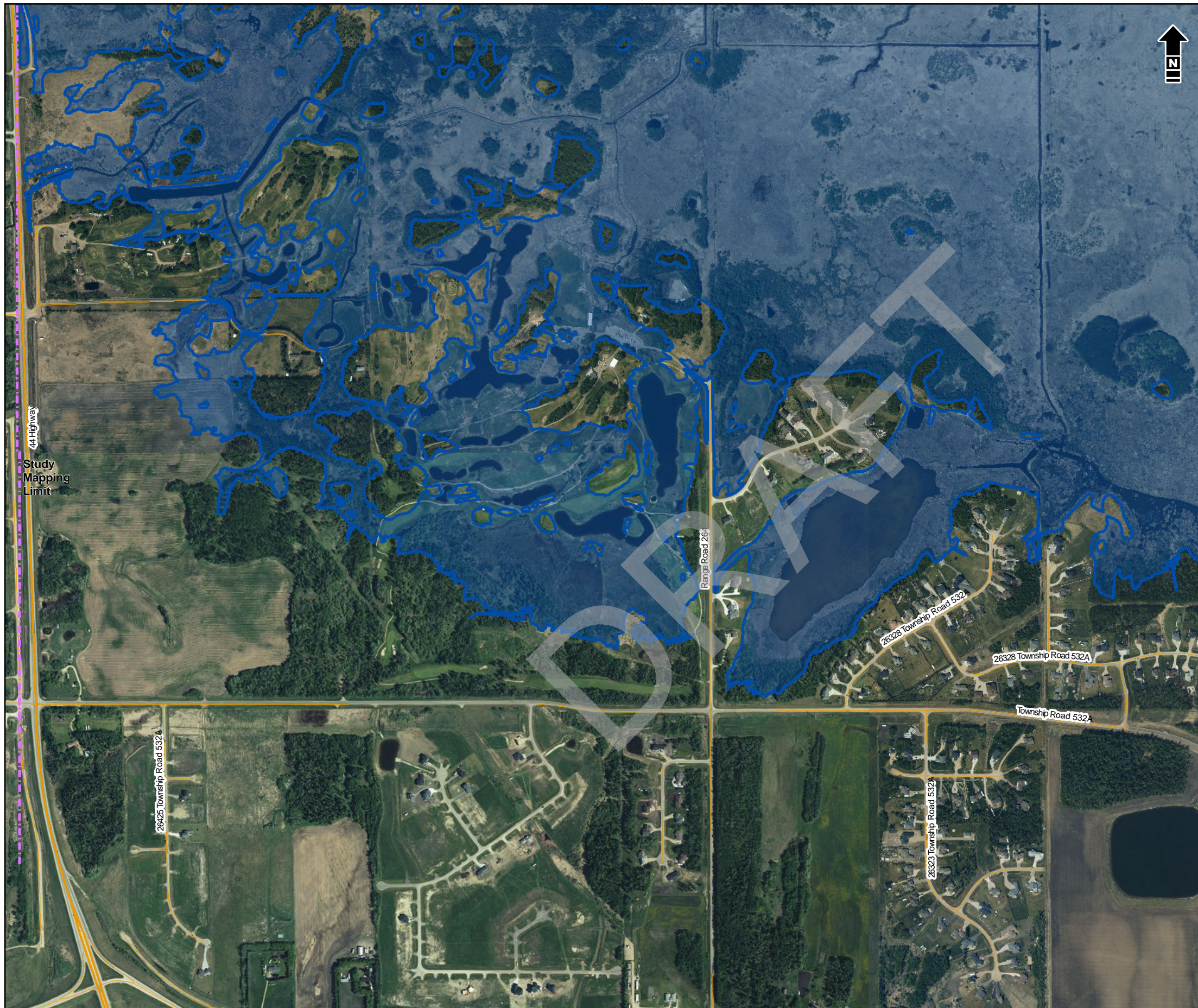
Alberta Government  
 St. Albert Flood Hazard Study

### Open Water Flood Inundation Mapbook | 50-Year

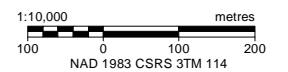
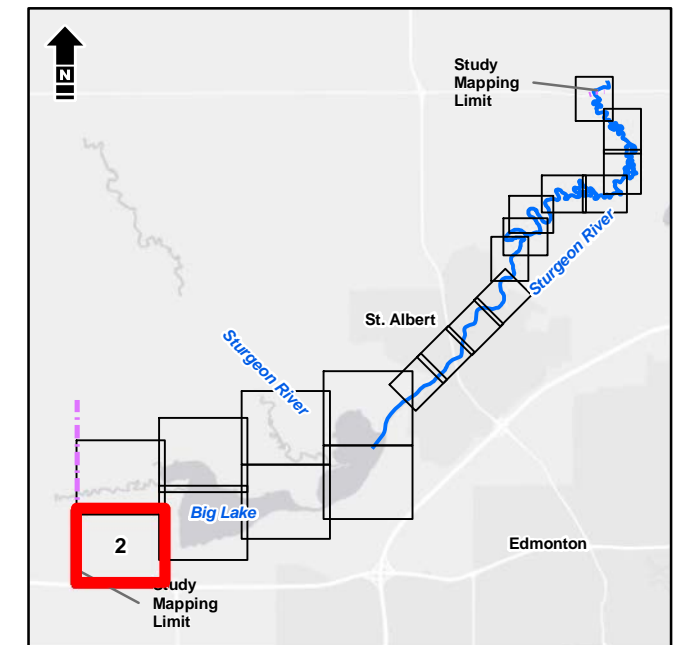
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Alberta Government  
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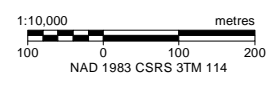
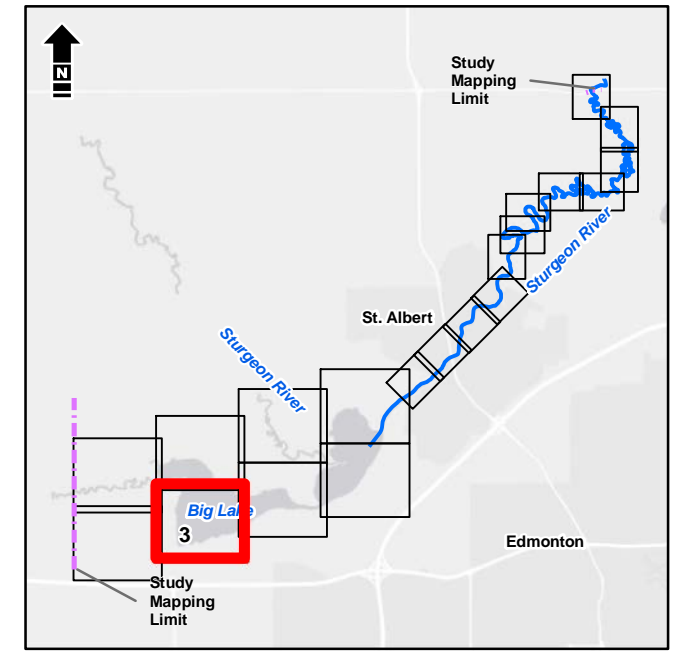
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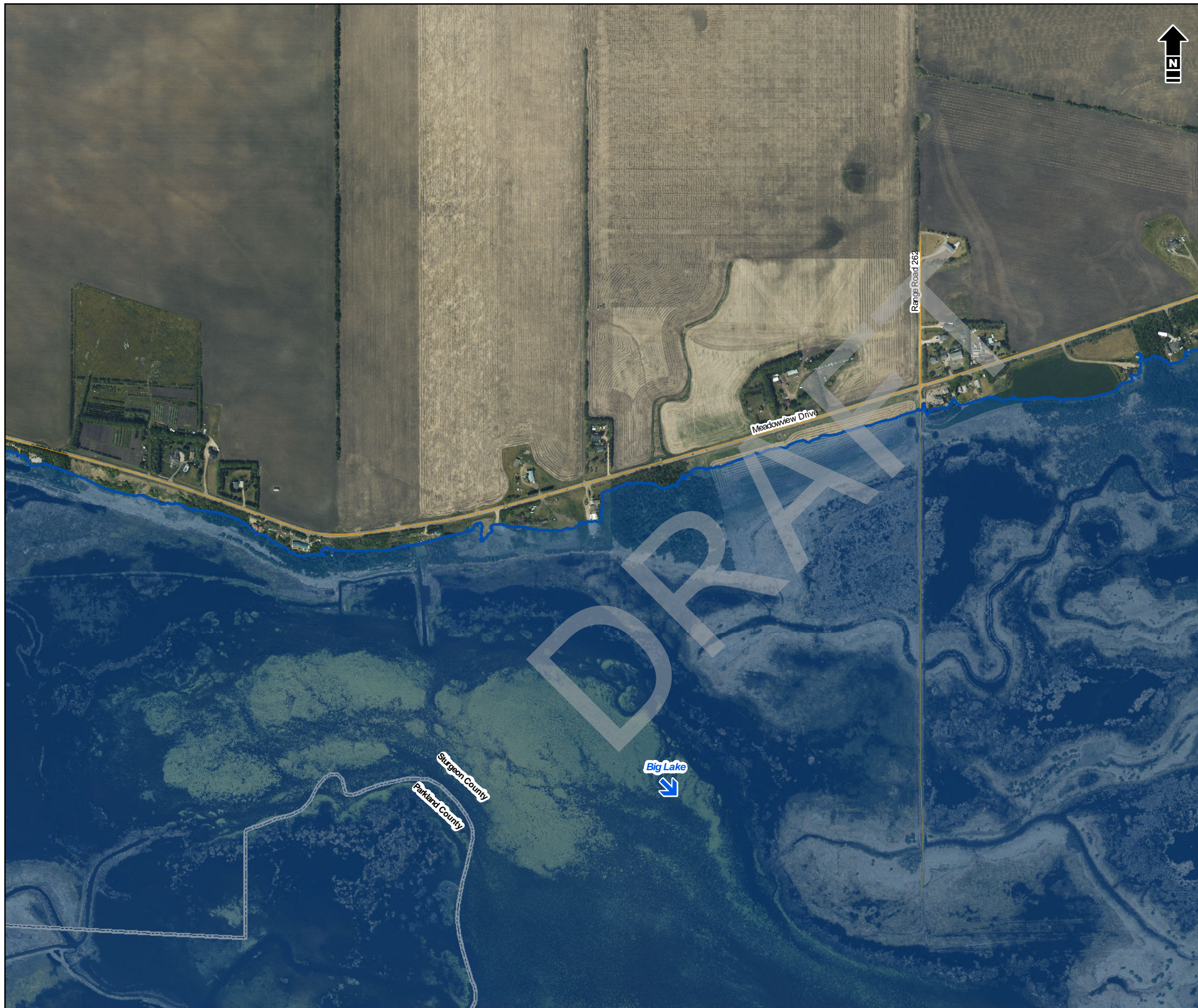
Alberta Government  
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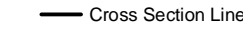
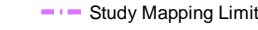
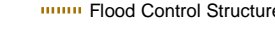

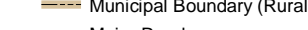





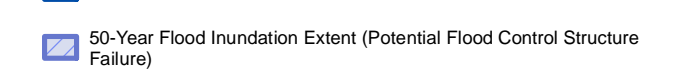
### Open Water Flood Inundation Mapbook | 50-Year

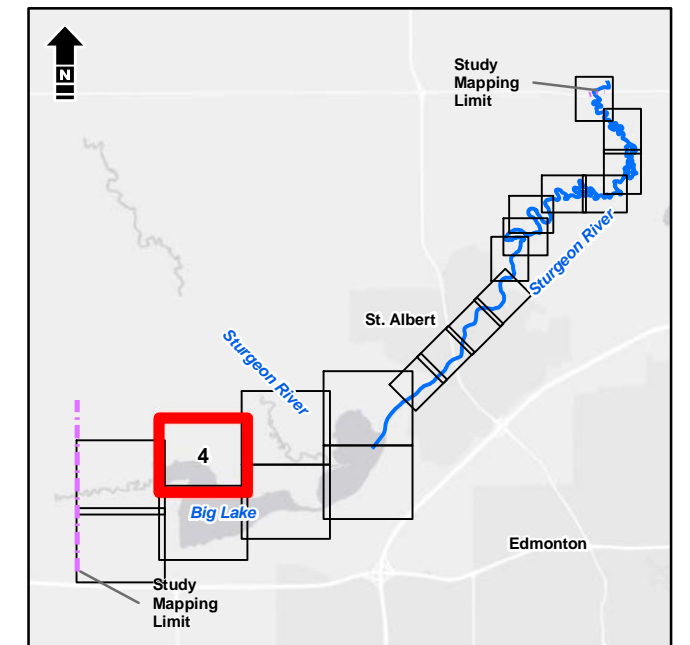
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1:10,000 metres  
 100 0 100 200  
 NAD 1983 CSRS 3TM 114

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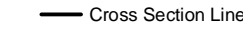
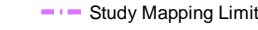
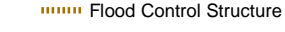
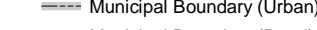
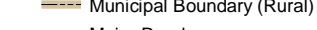





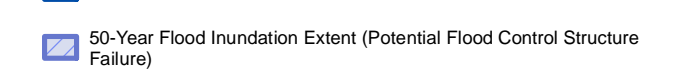
**Open Water Flood Inundation  
 Mapbook | 50-Year**

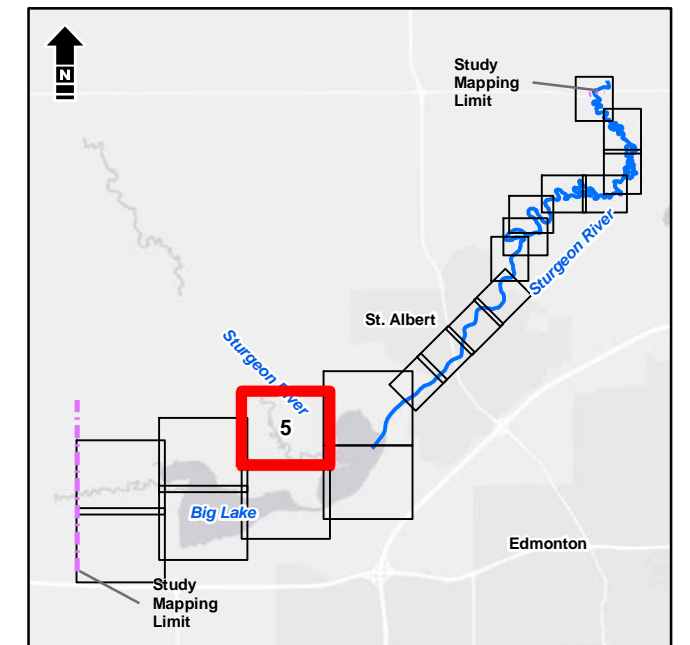
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1:10,000 metres  
 100 0 100 200  
 NAD 1983 CSRS 3TM 114

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Alberta Government  
 St. Albert Flood Hazard Study

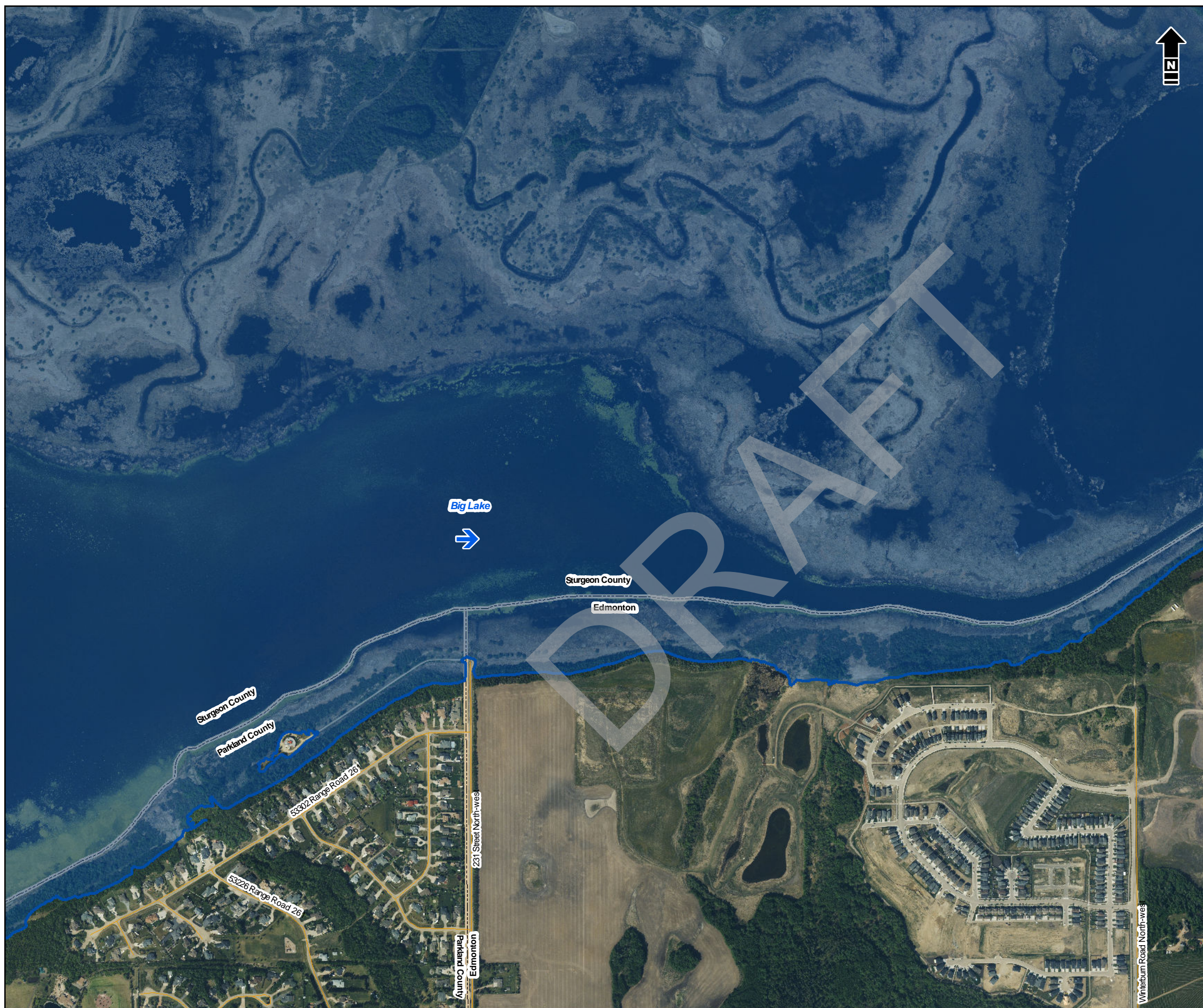
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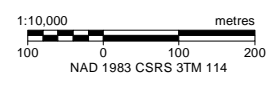
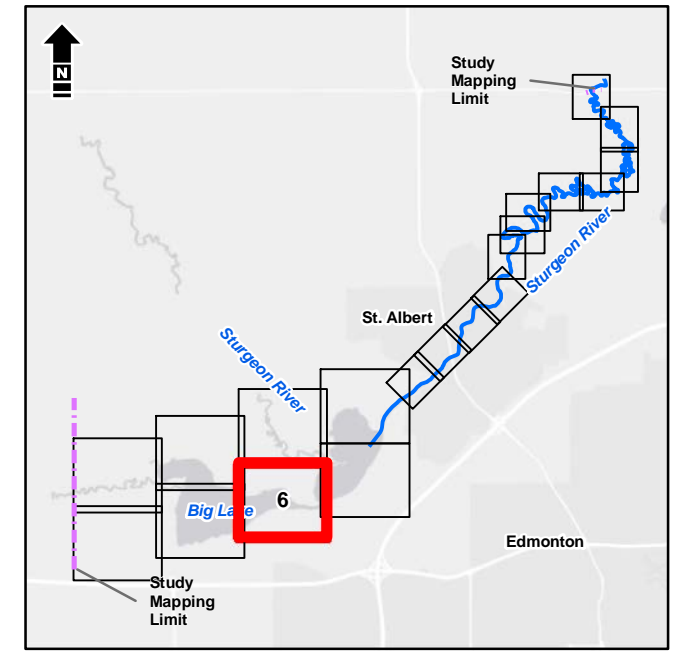
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Alberta Government  
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### Open Water Flood Inundation Mapbook | 50-Year

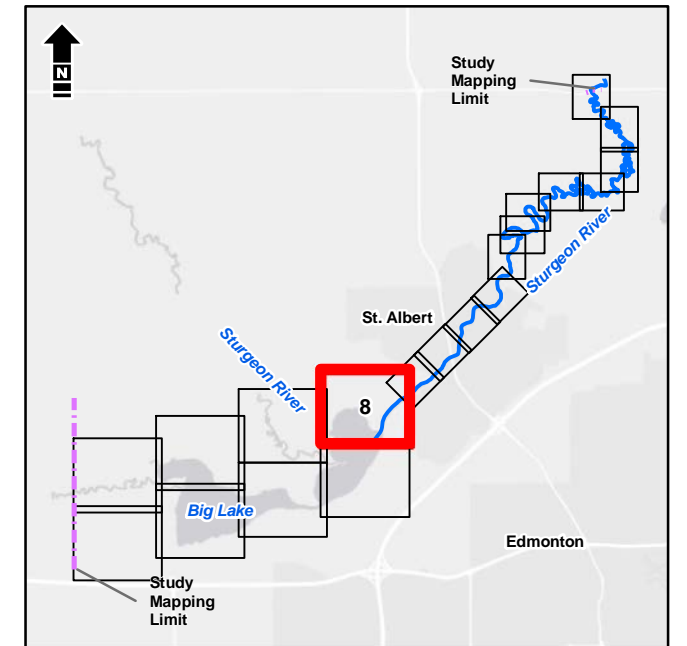
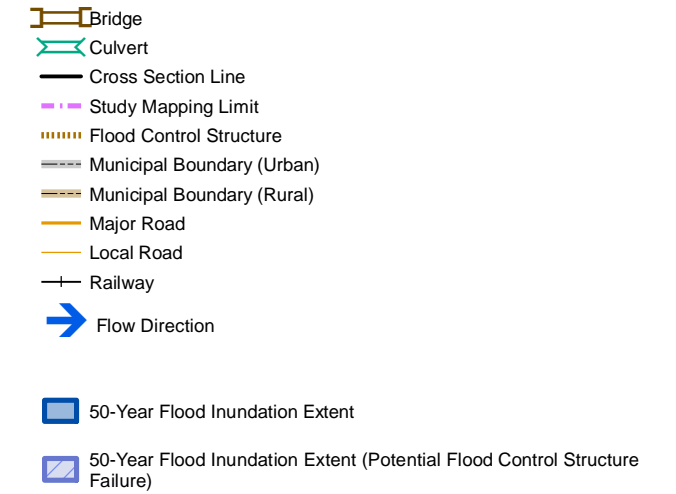
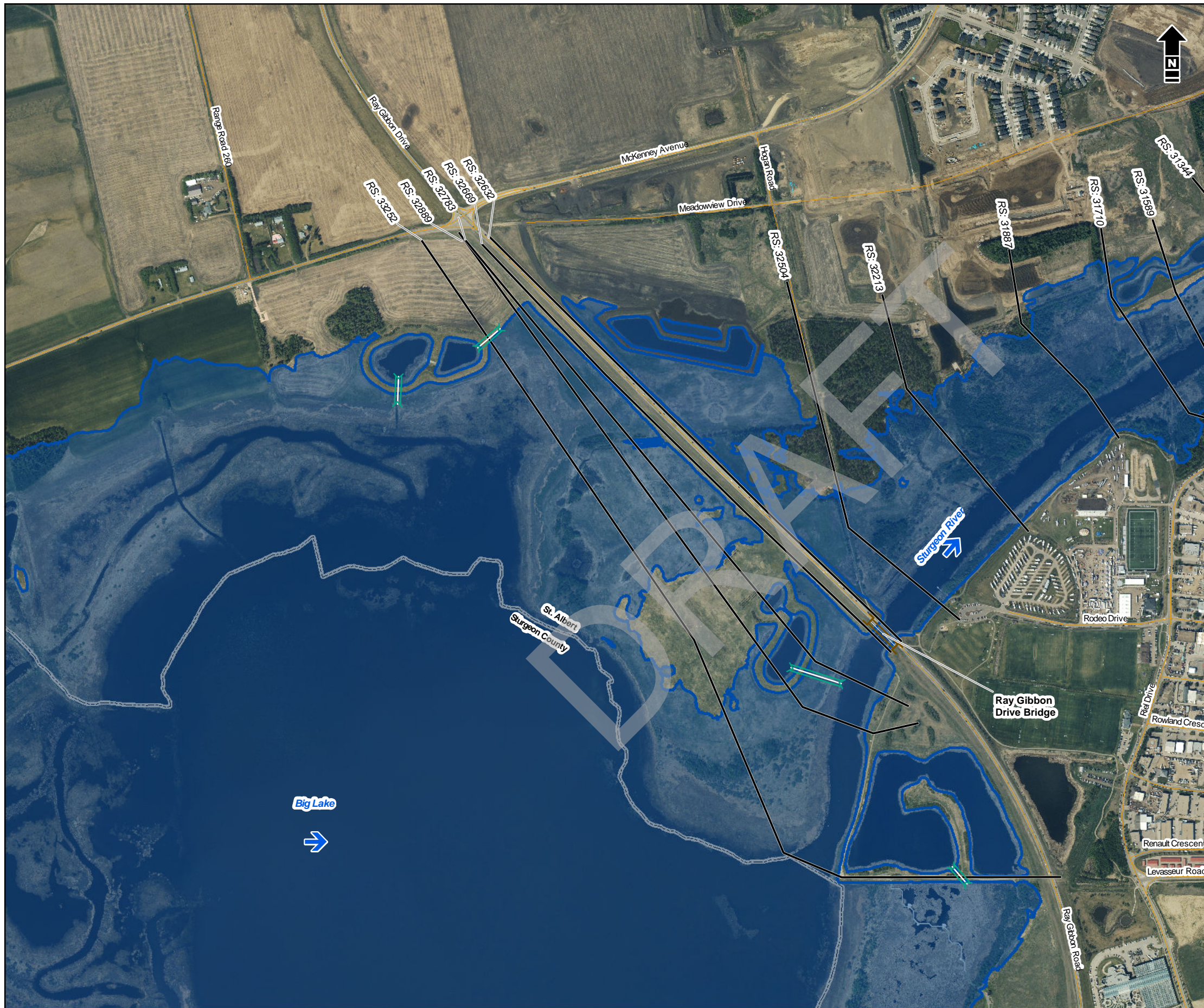
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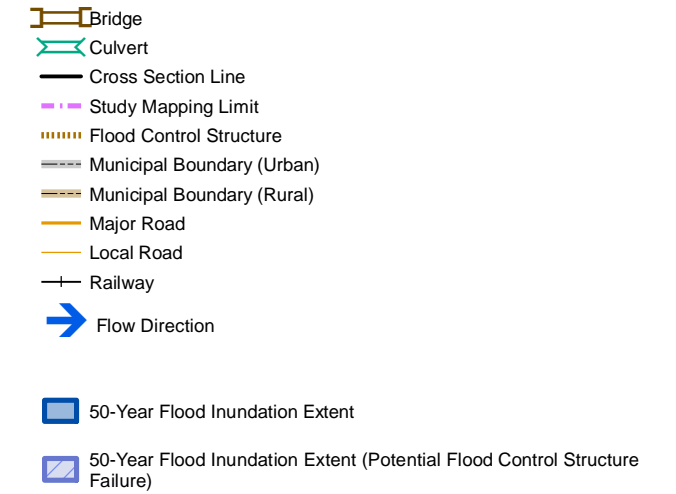
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 Mapbook | 50-Year**

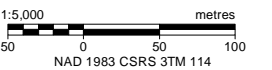
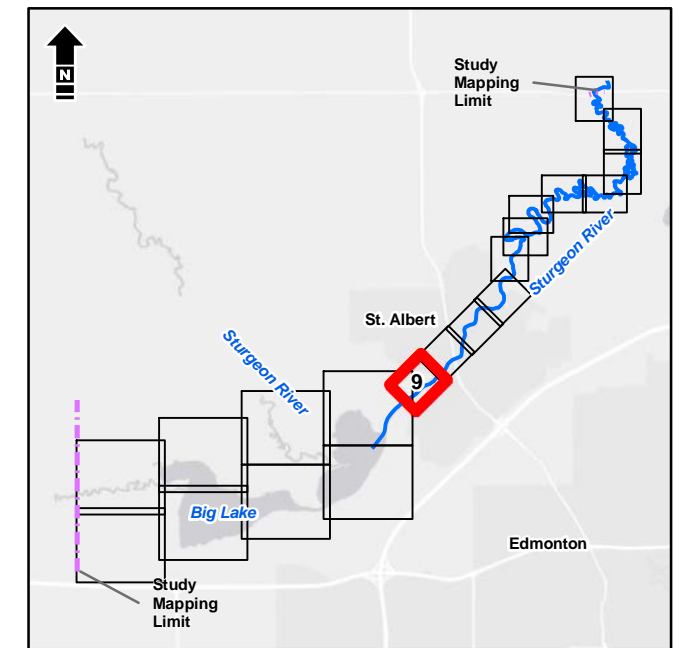
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**DISCHARGE**  
Sturgeon River = 72 m<sup>3</sup>/s



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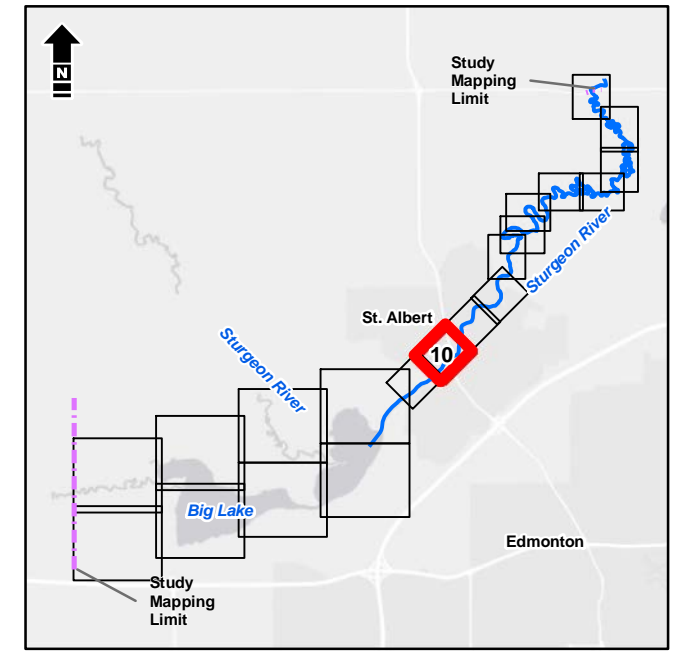
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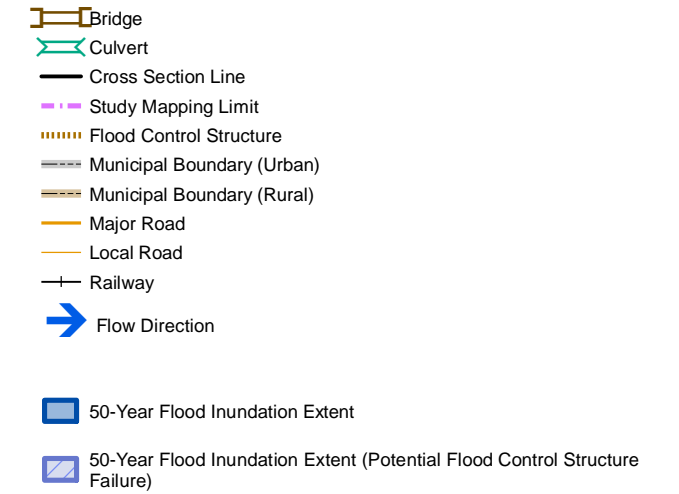
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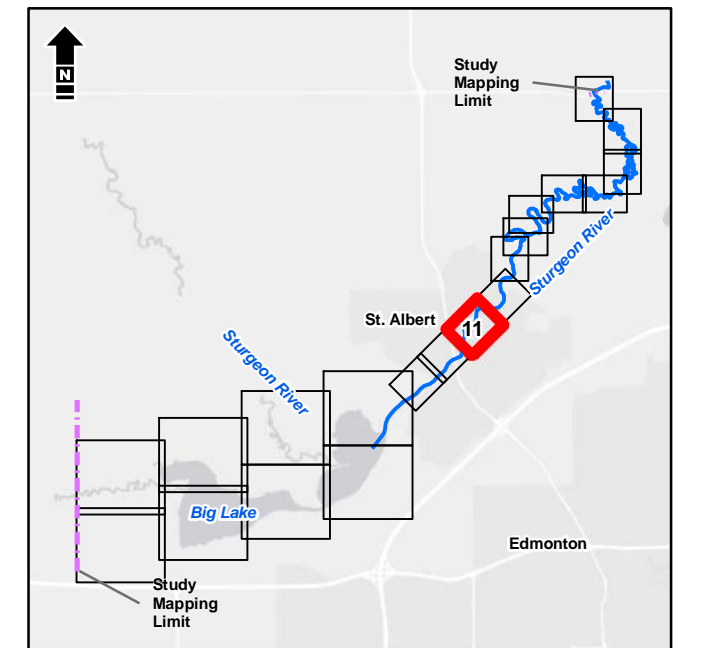
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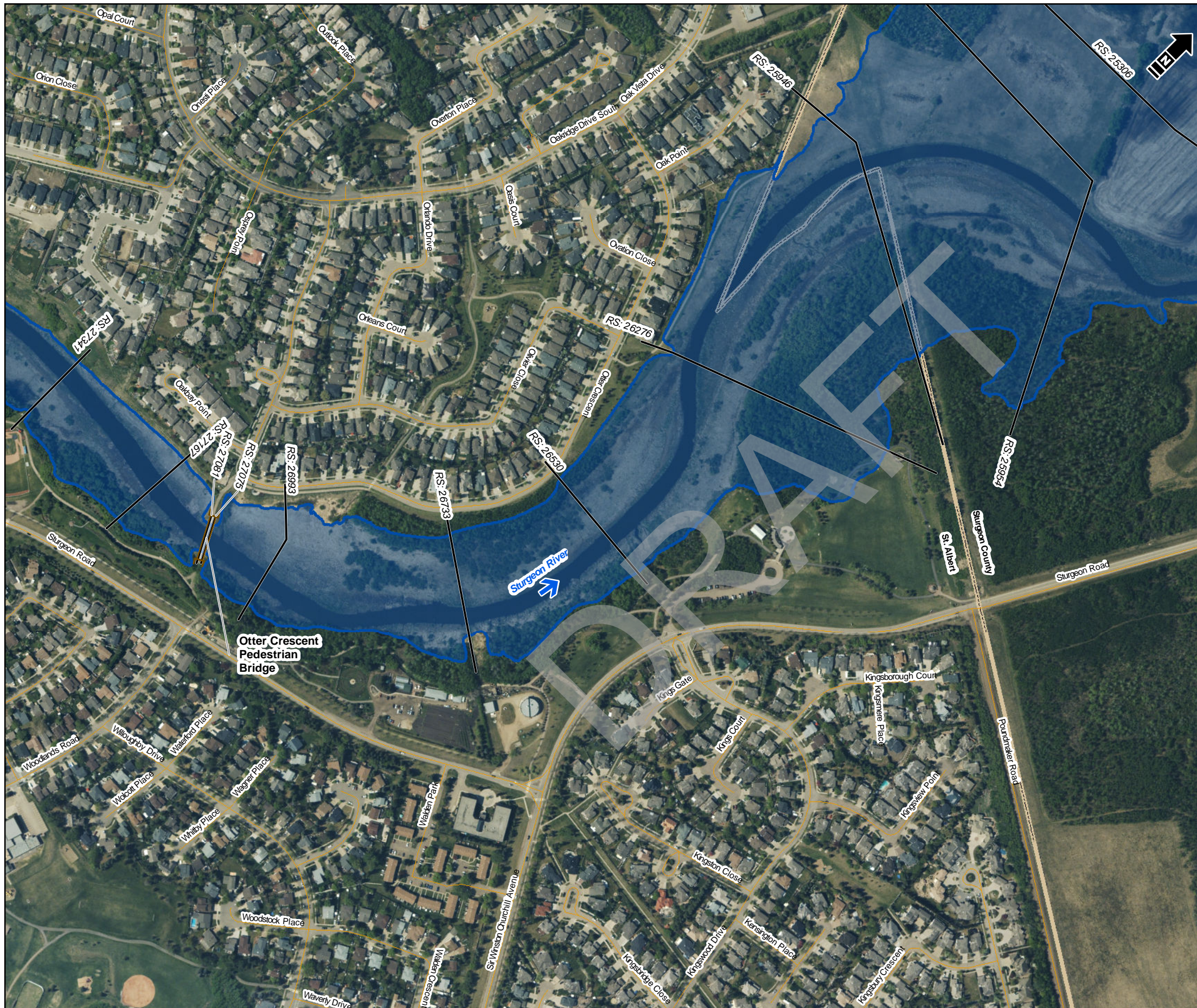
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## Open Water Flood Inundation Mapbook | 50-Year

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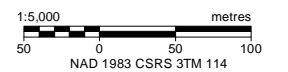
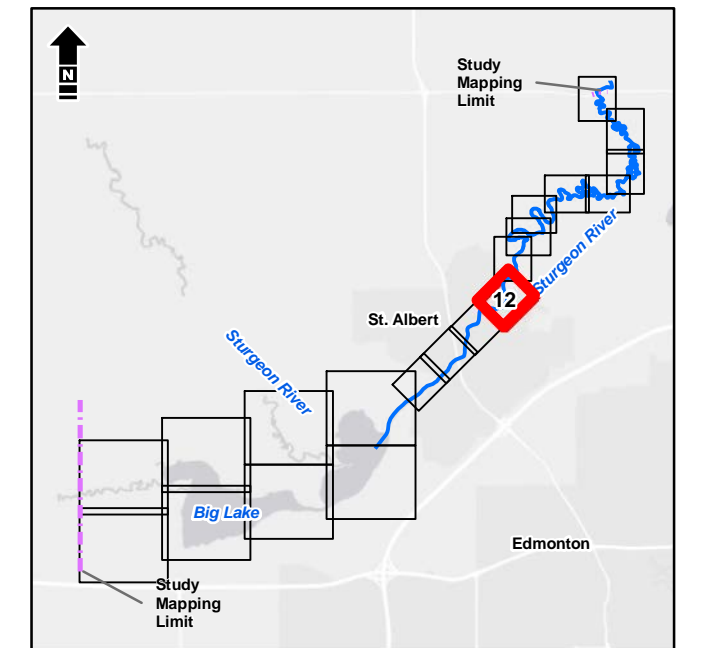
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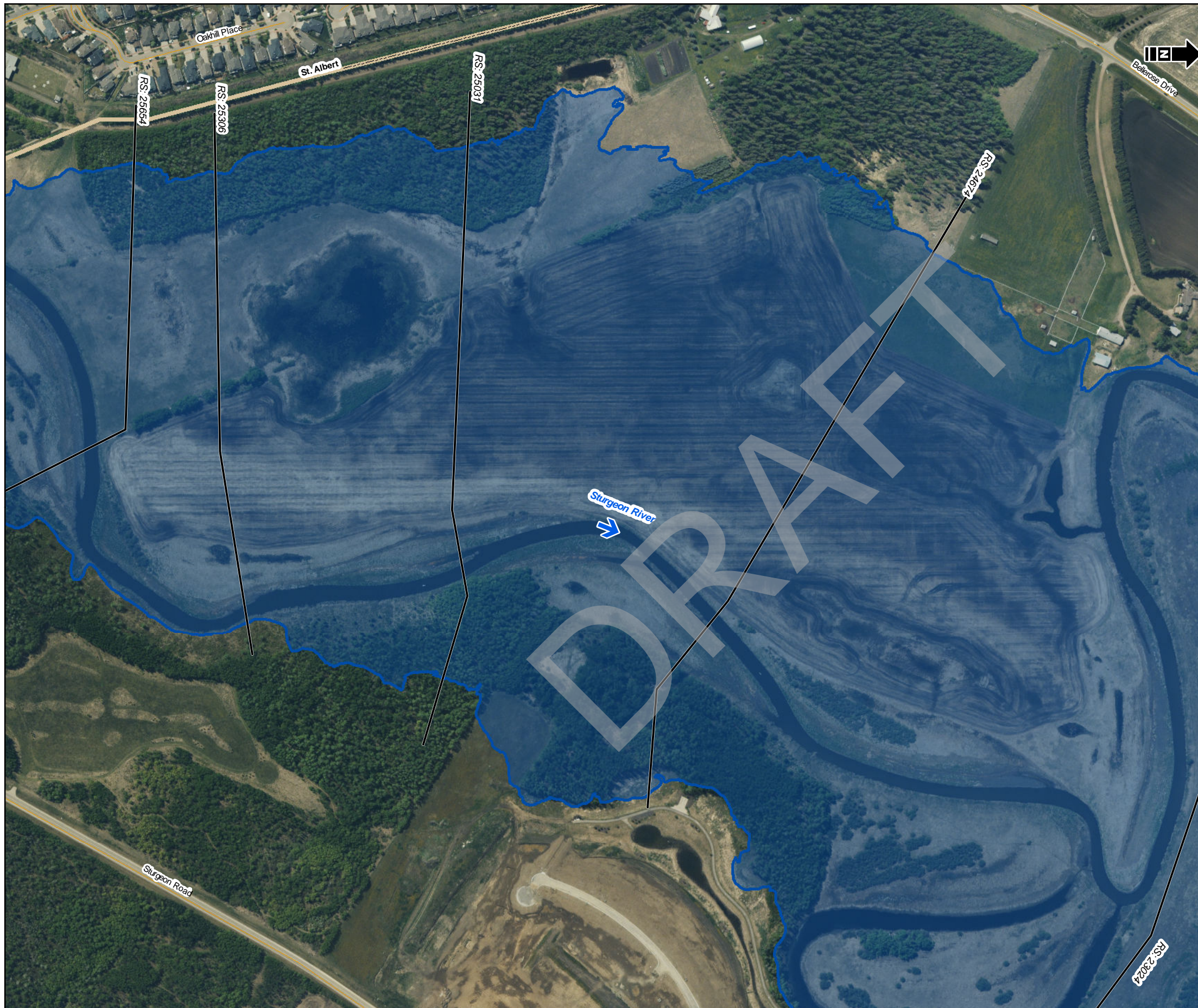
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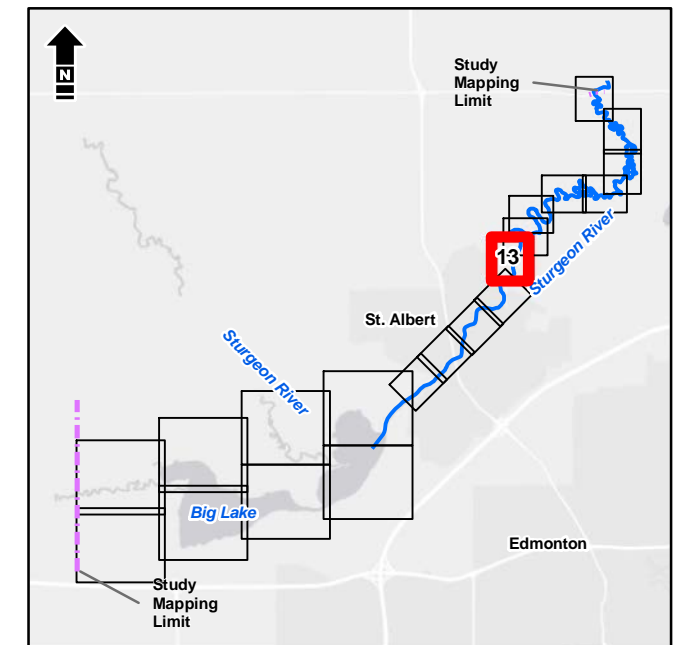
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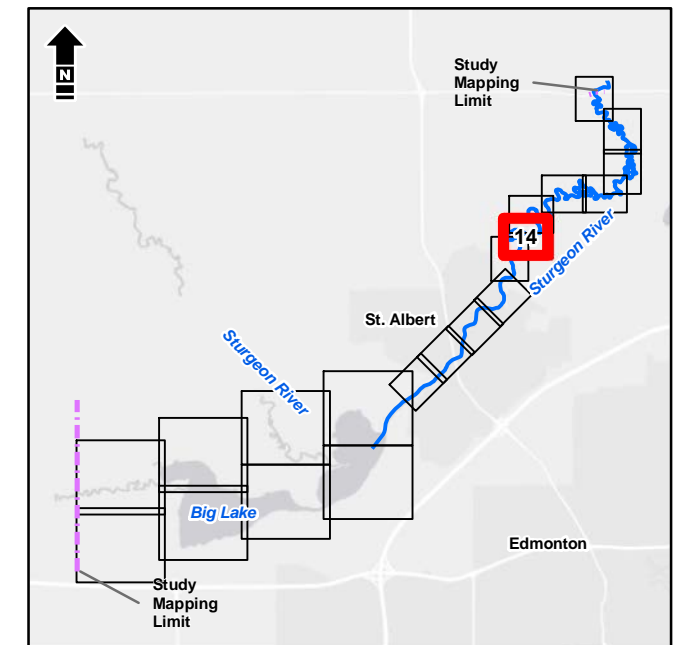
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St. Albert Flood Hazard Study

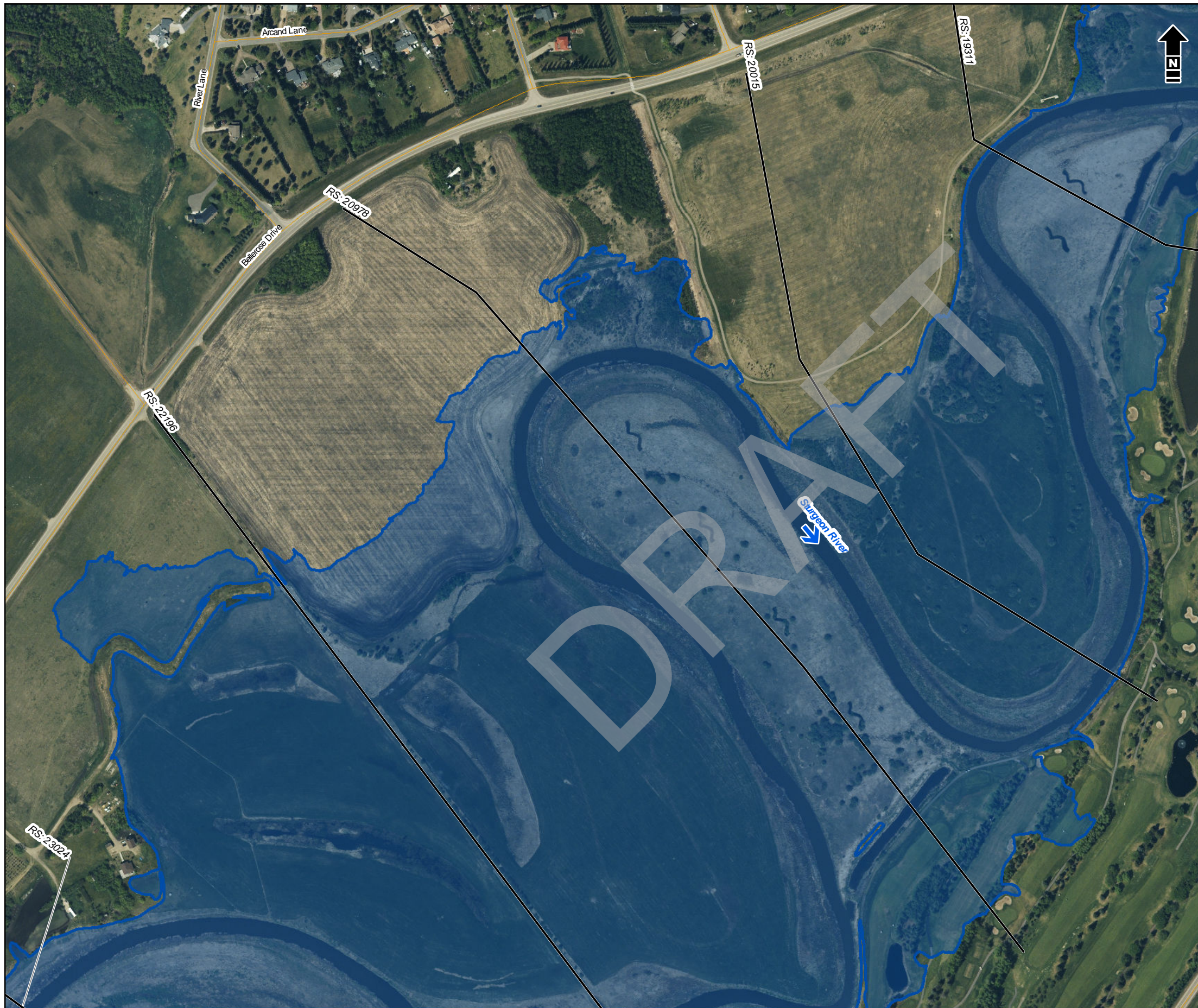
**Open Water Flood Inundation  
Mapbook | 50-Year**

Date: March 2020 Project: 28312 Submitter: P. Rogers Reviewer: M. Shome

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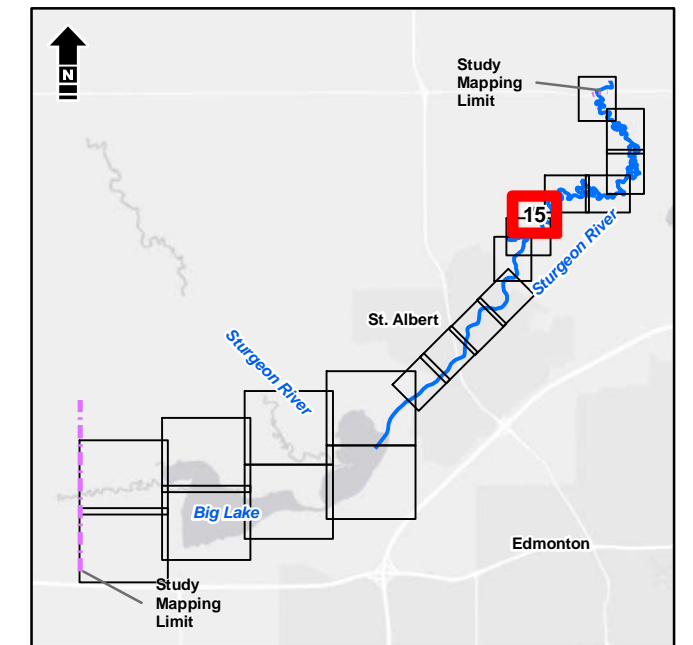
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- Bridge
  - Culvert
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  - Major Road
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  - Railway
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- 50-Year Flood Inundation Extent
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**DISCHARGE**  
Sturgeon River = 72 m<sup>3</sup>/s



1:5,000 metres  
0 50 100  
NAD 1983 CSRS 3TM 114

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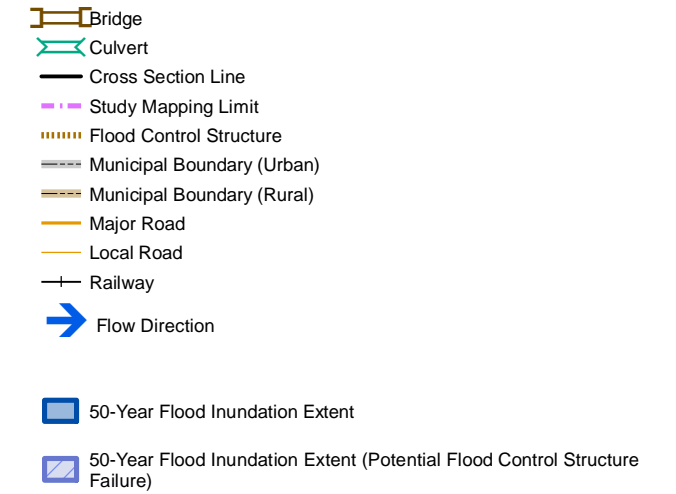
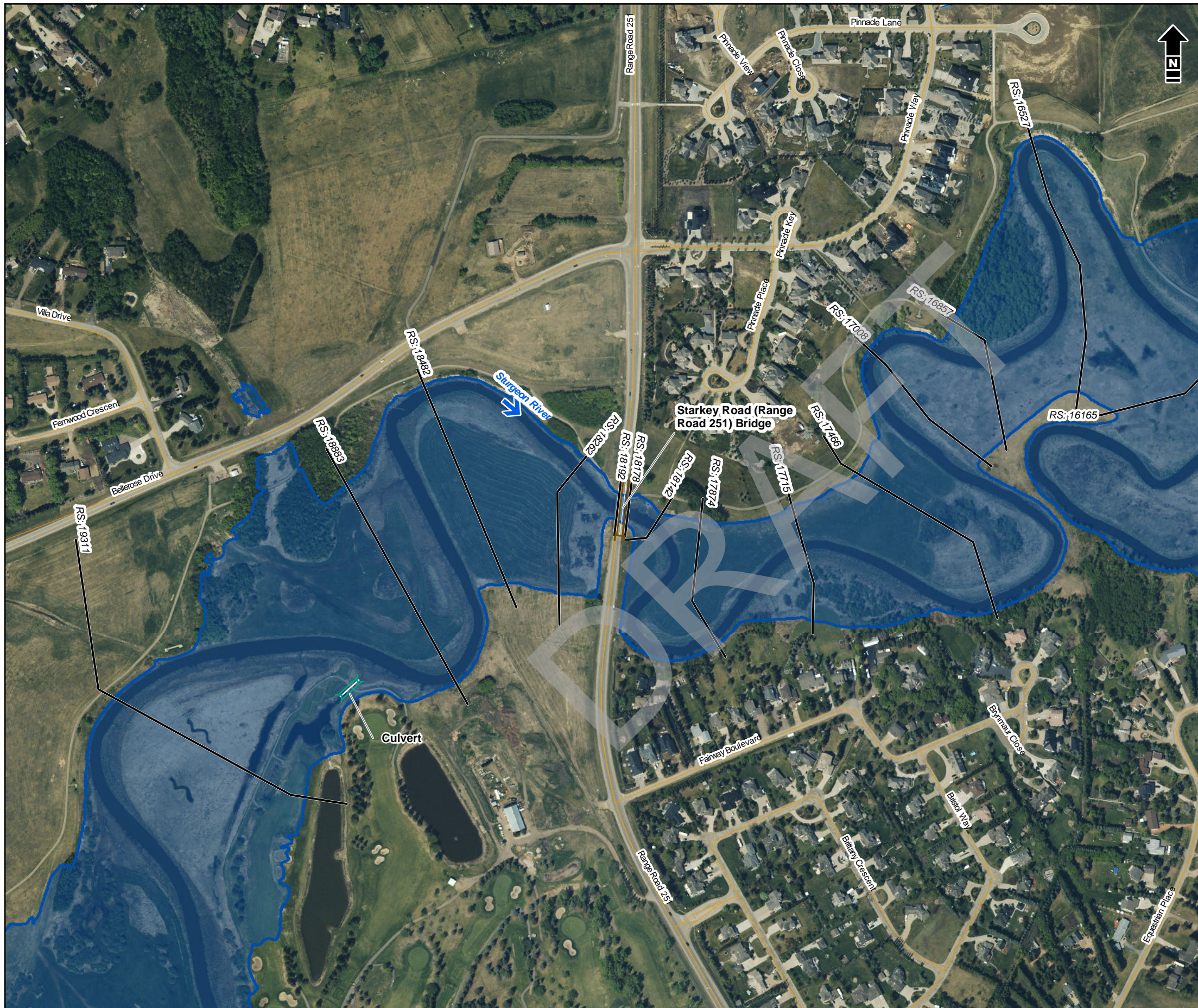
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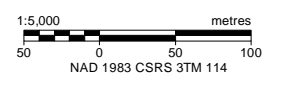
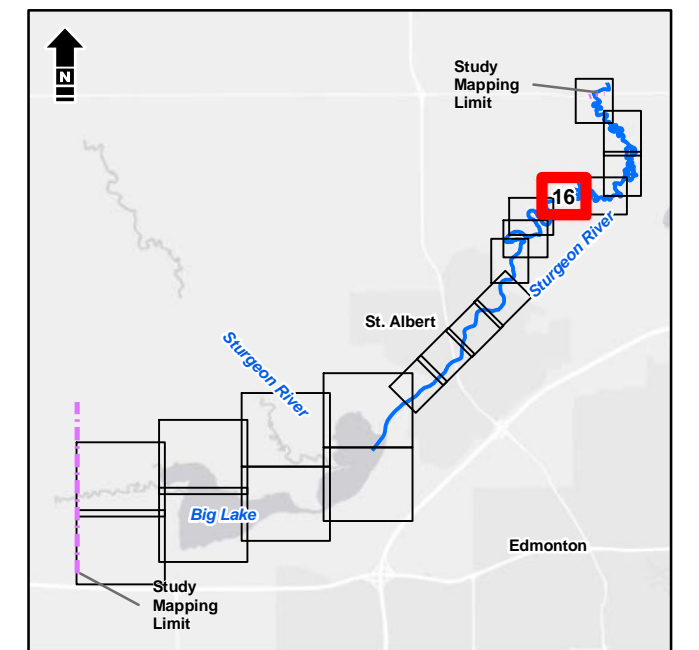
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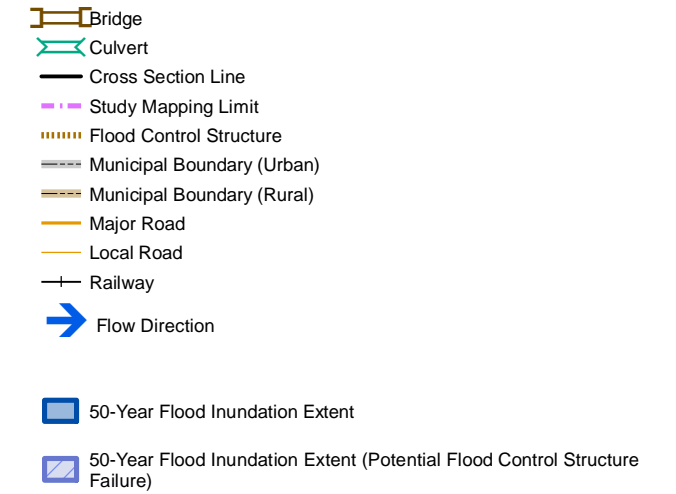
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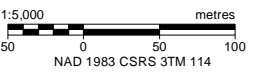
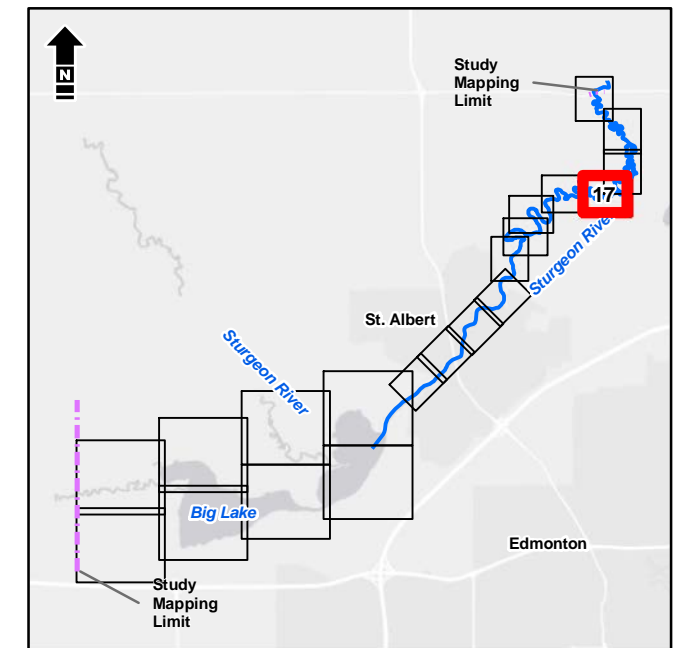
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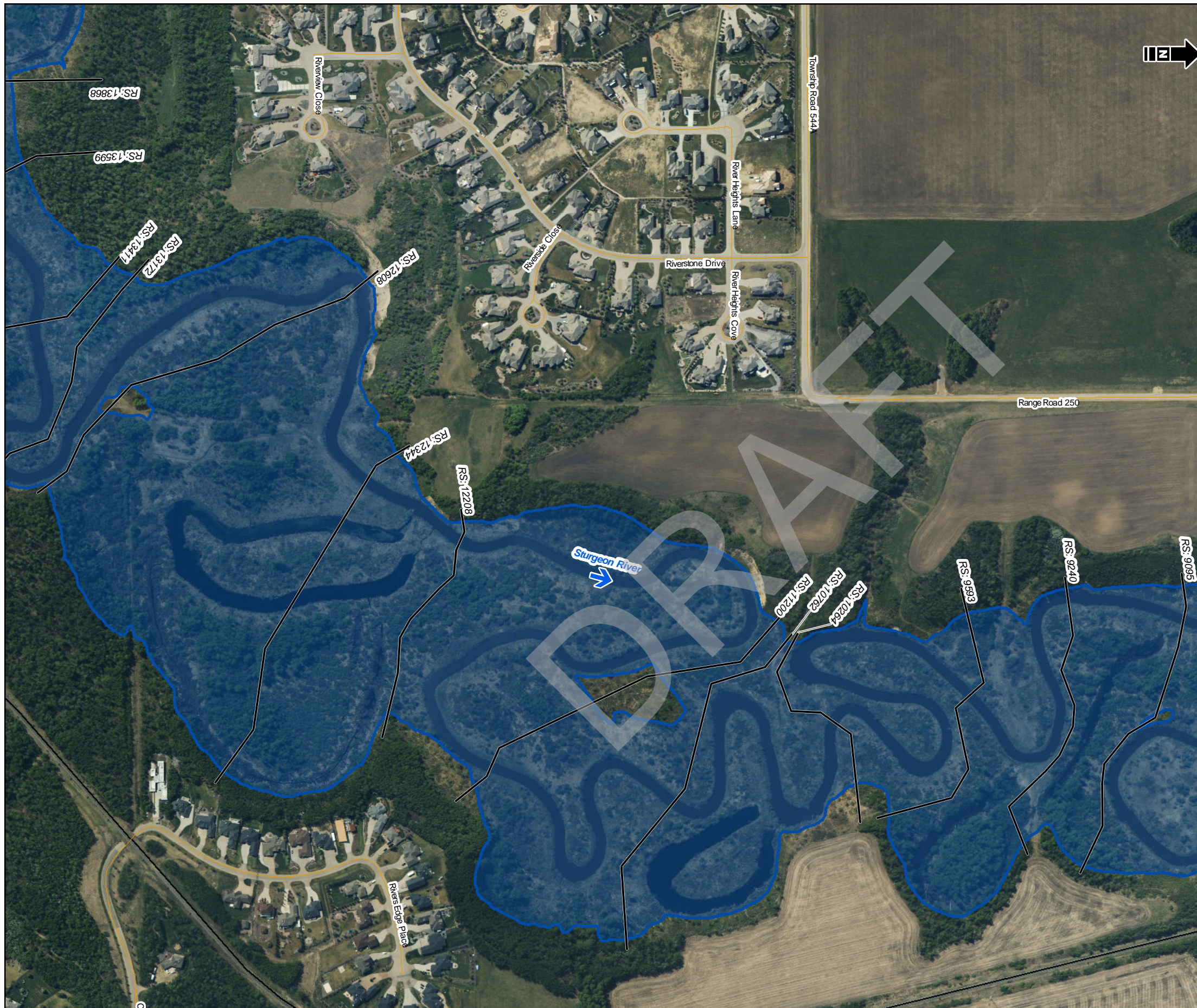
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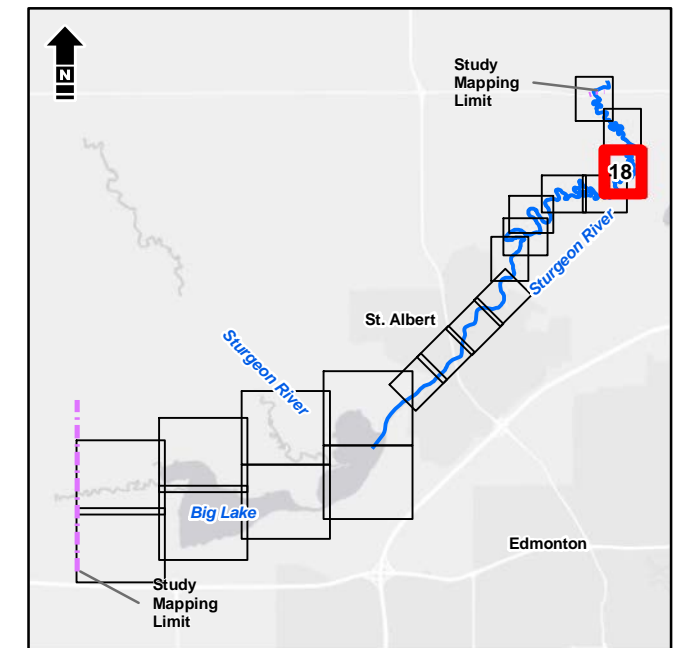
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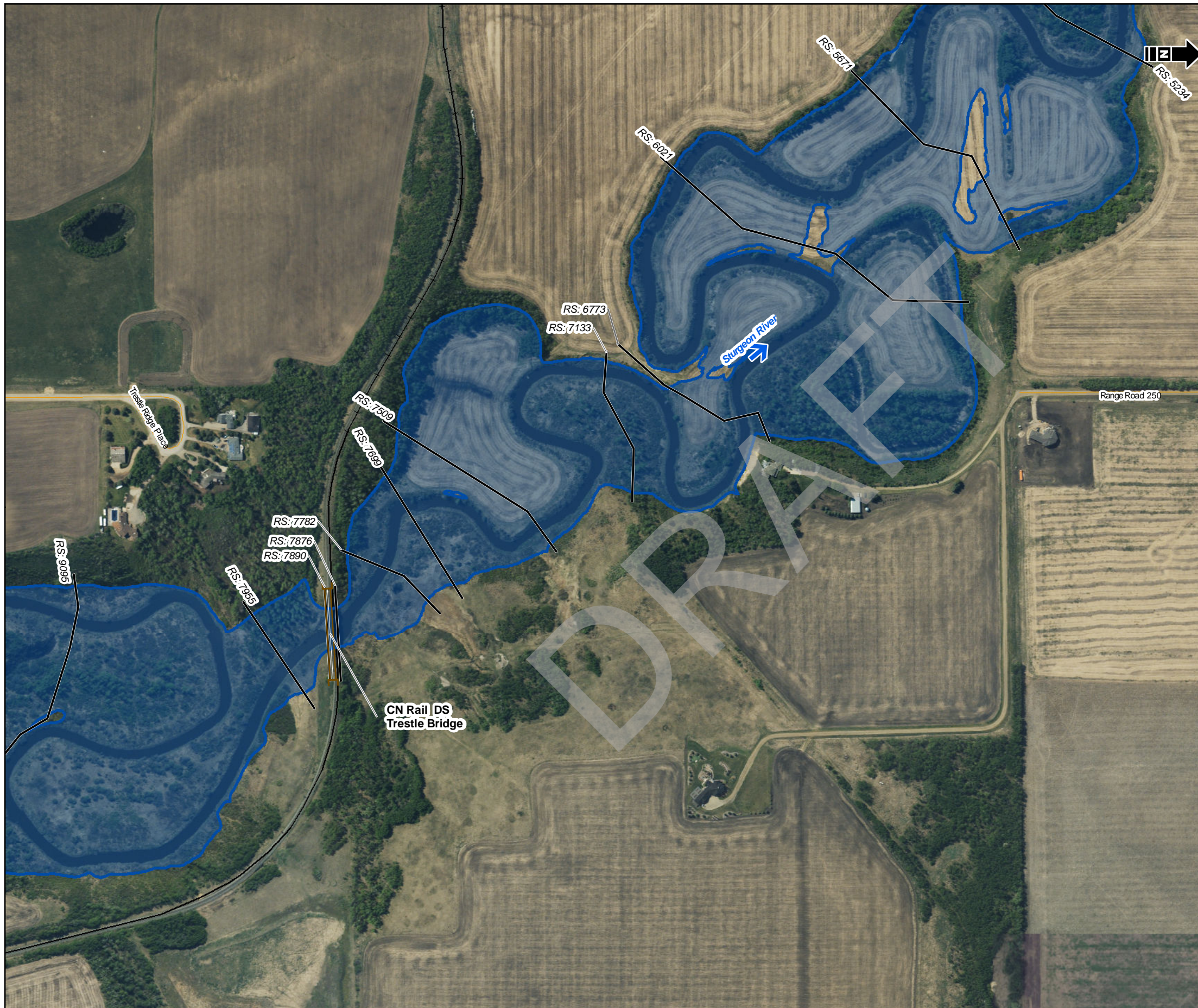
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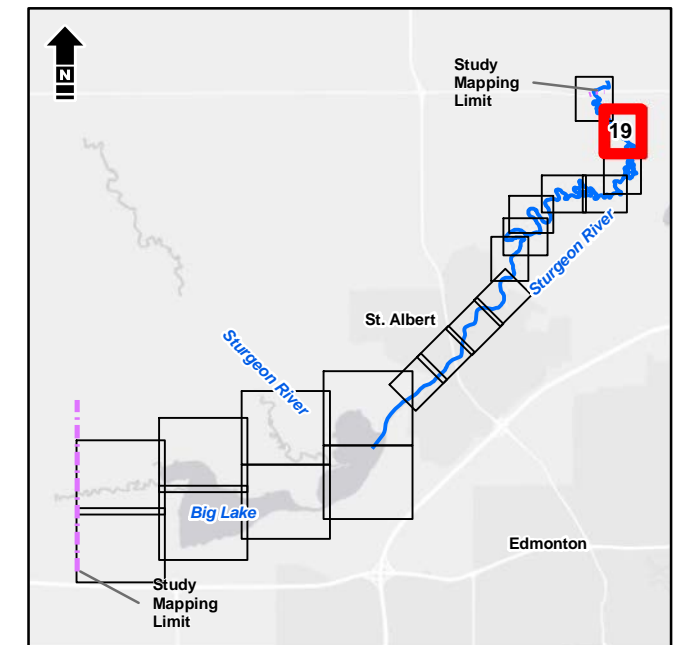
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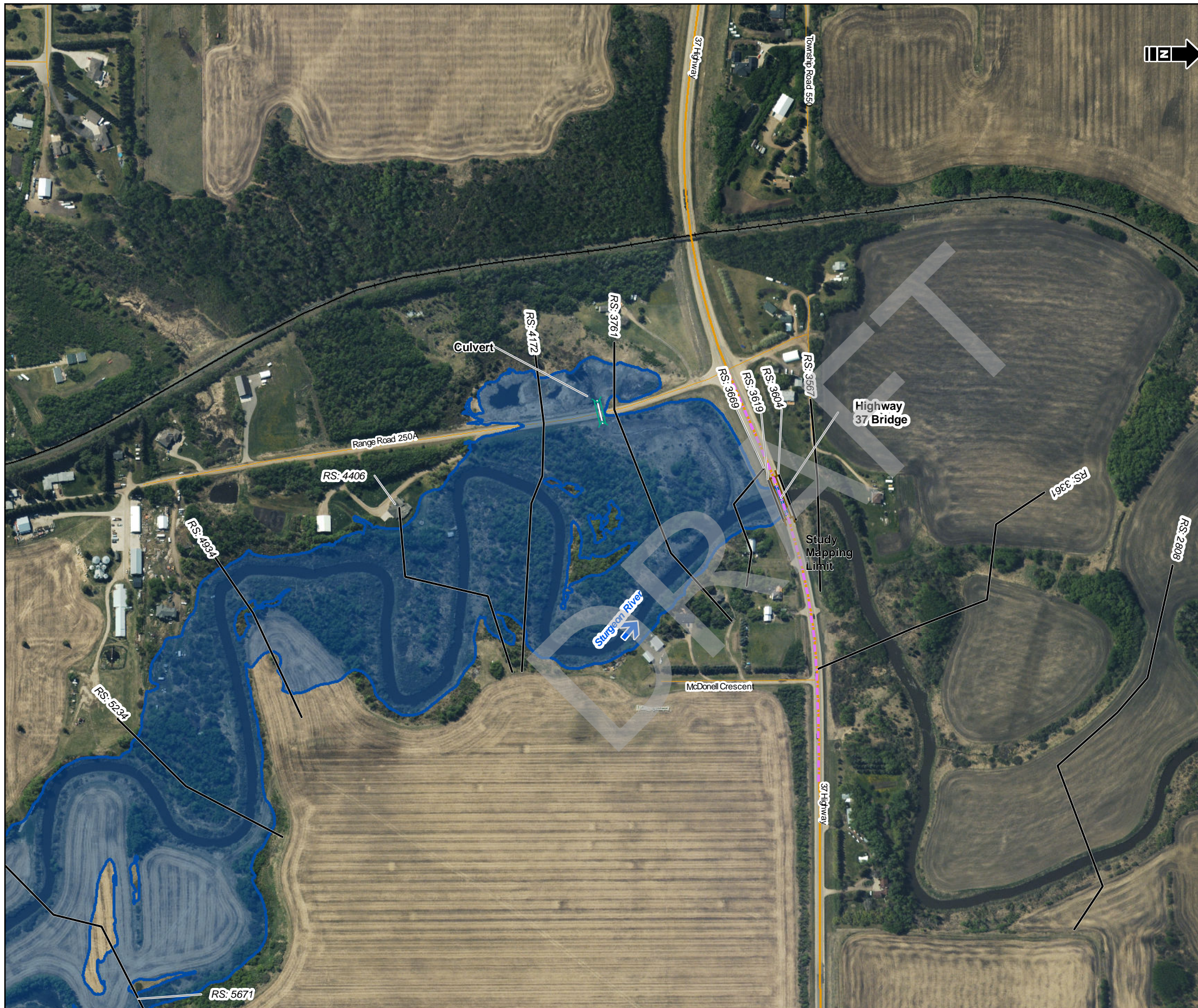
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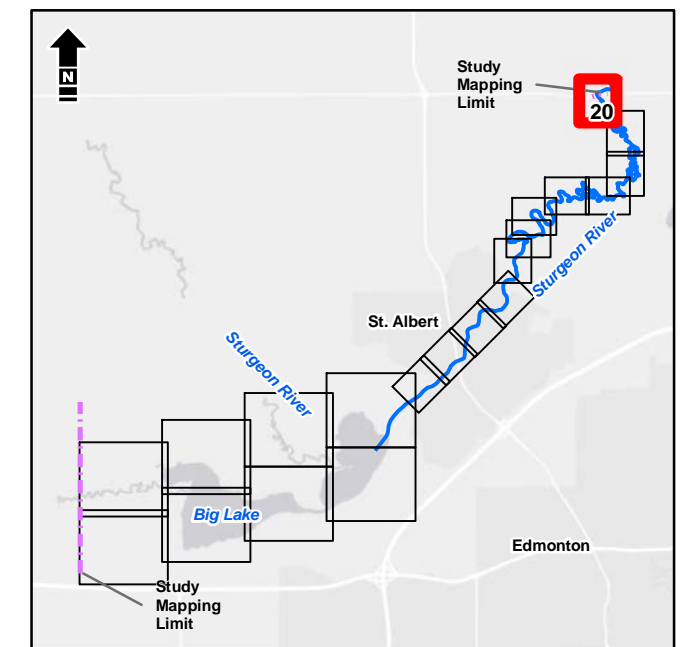
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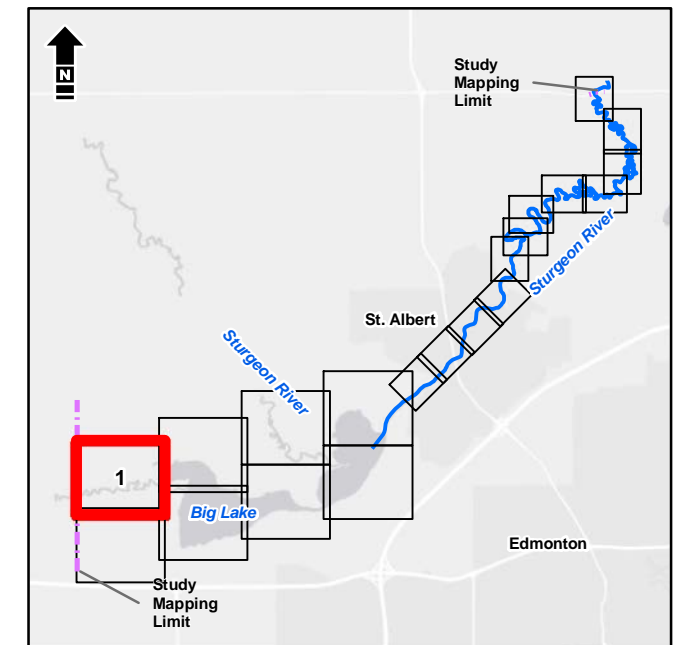
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1:10,000 metres  
 100 0 100 200  
 NAD 1983 CSRS 3TM 114

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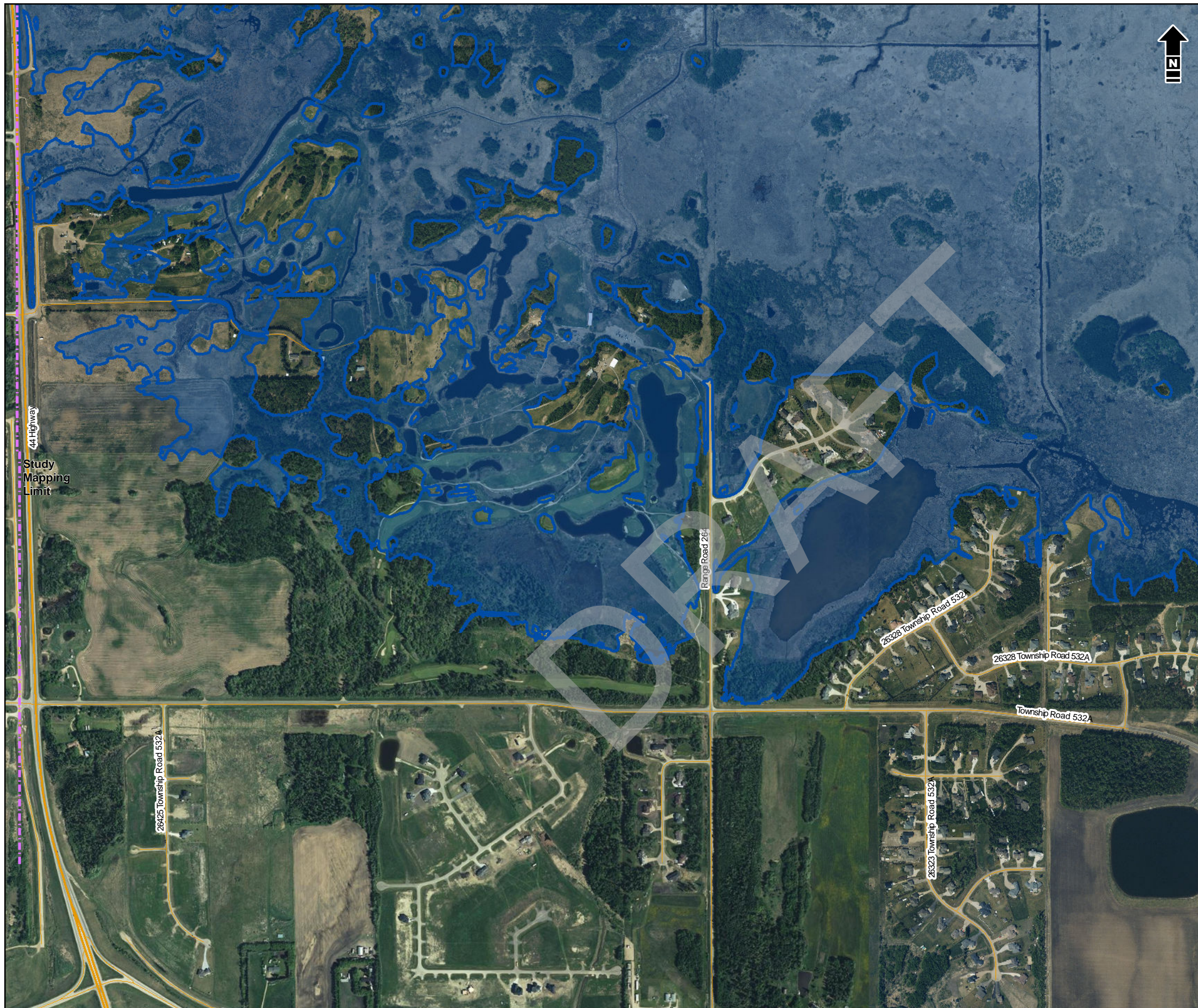
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### Open Water Flood Inundation Mapbook | 75-Year

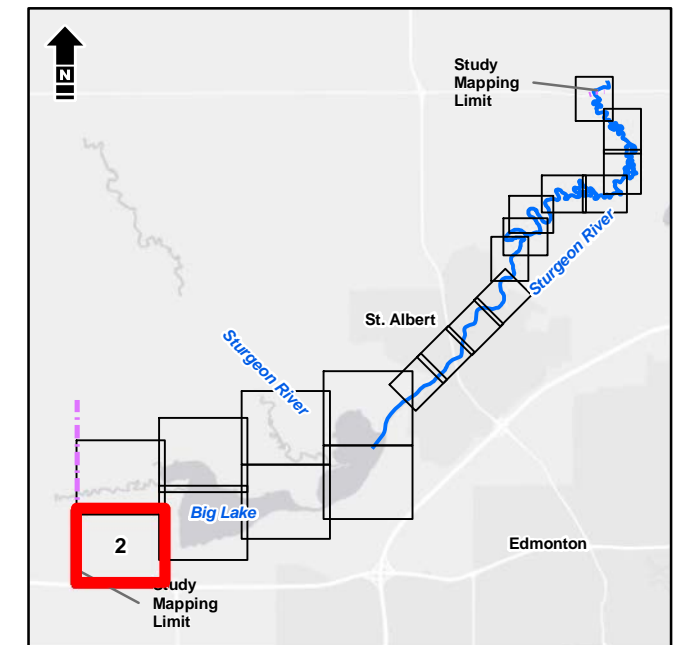
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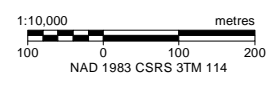
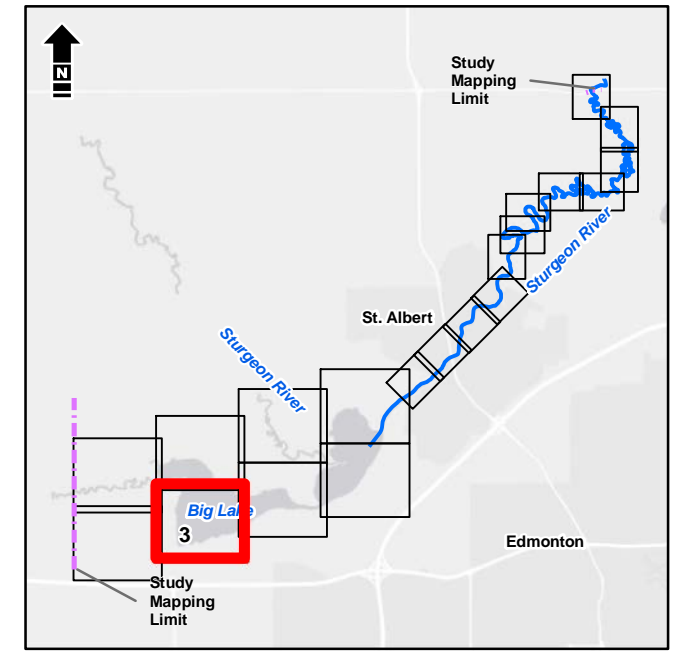
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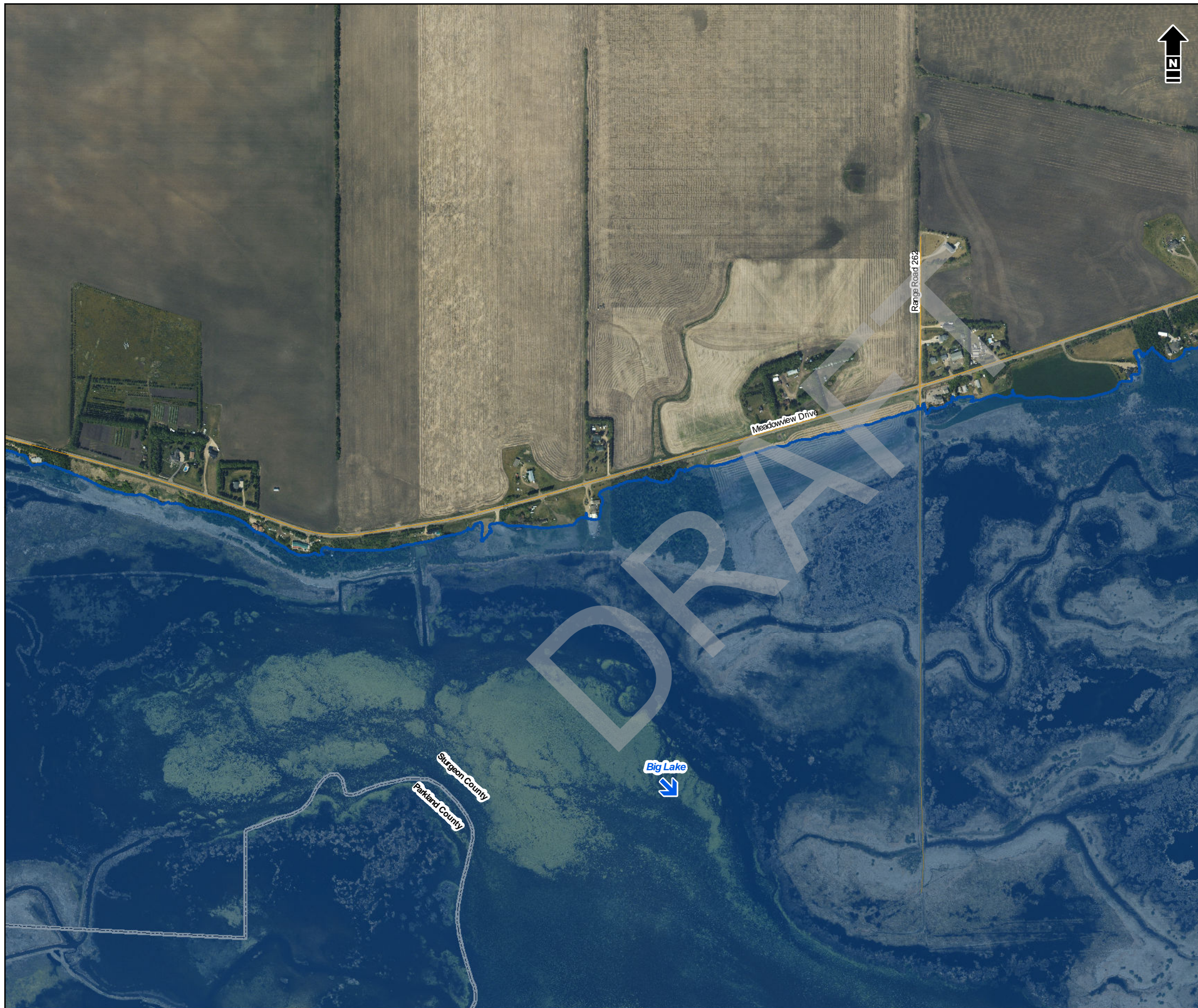
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St. Albert Flood Hazard Study



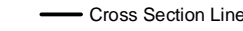
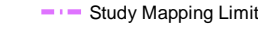
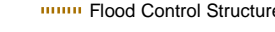

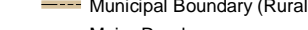





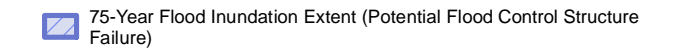
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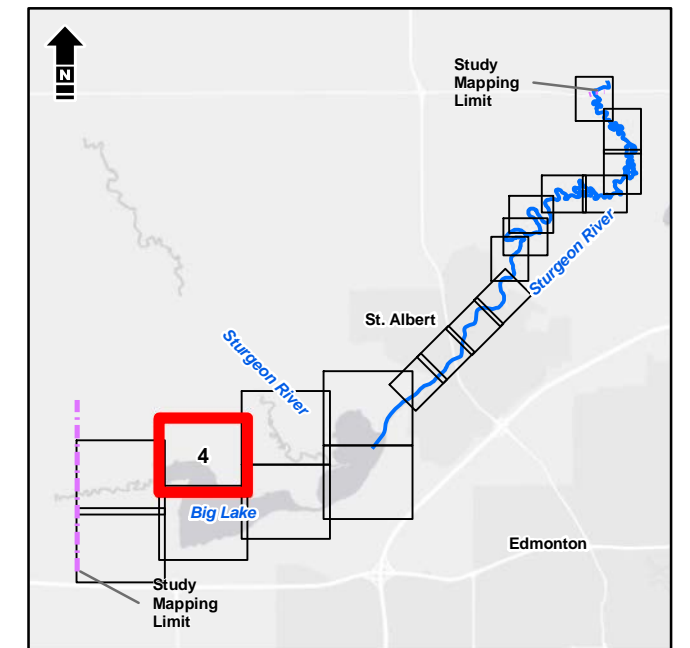
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1:10,000 metres  
 100 0 100 200  
 NAD 1983 CSRS 3TM 114

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**Open Water Flood Inundation  
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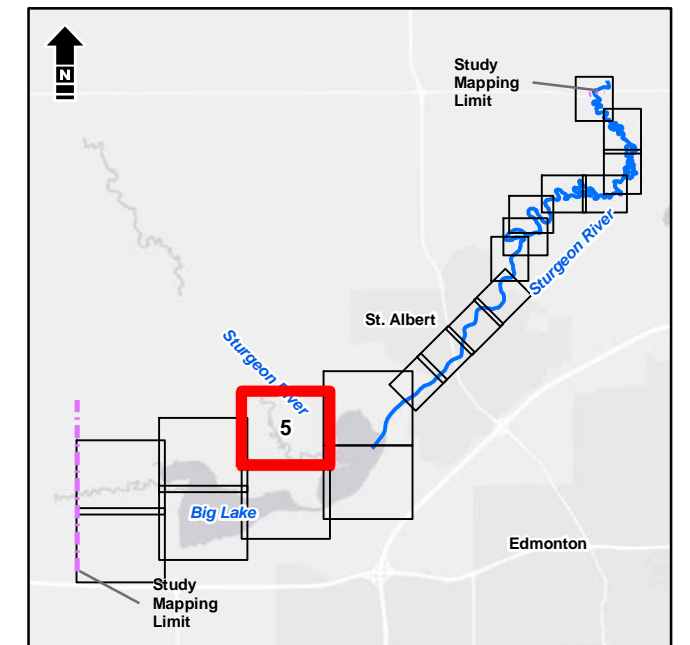
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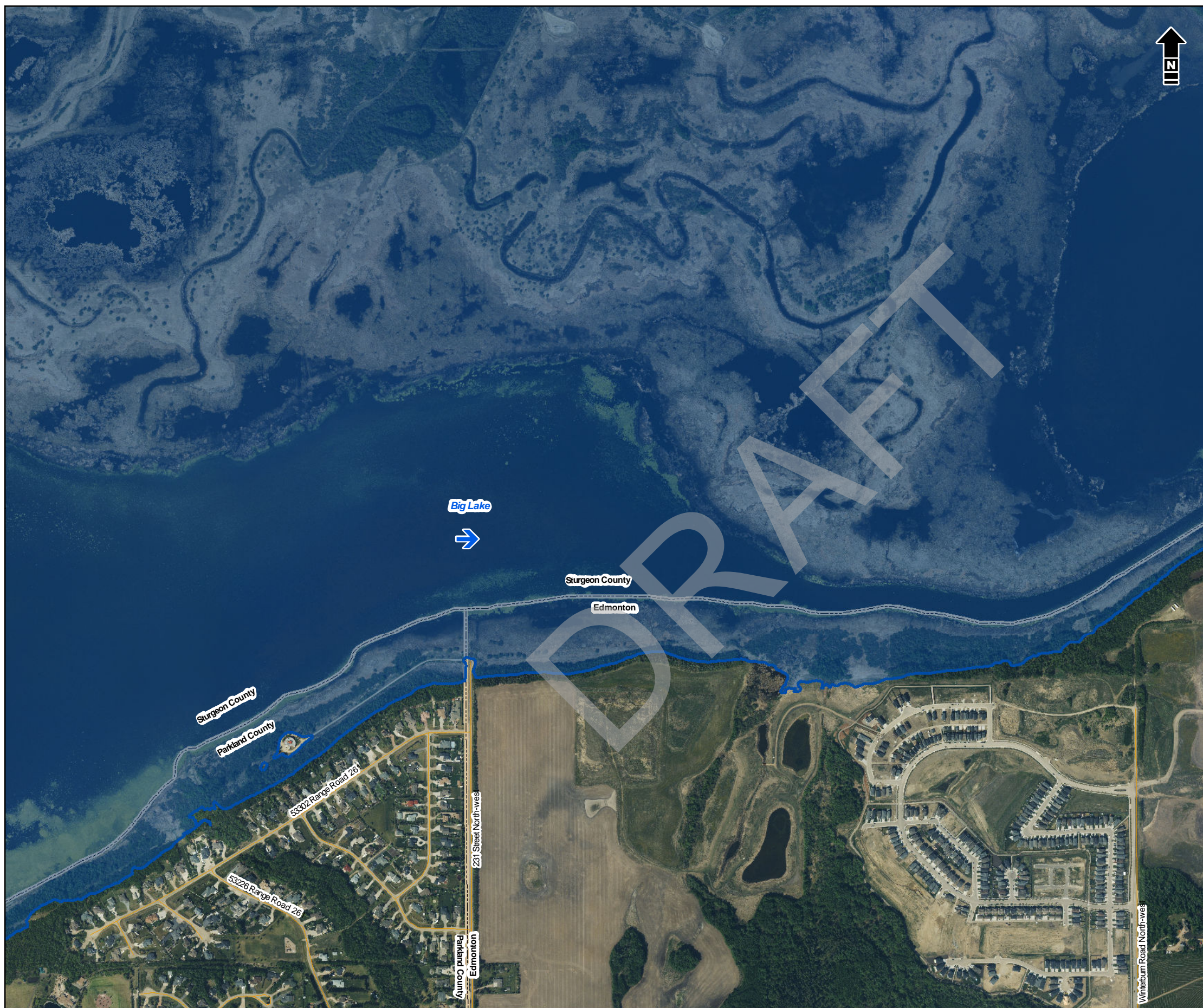
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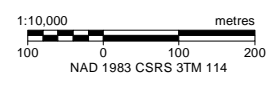
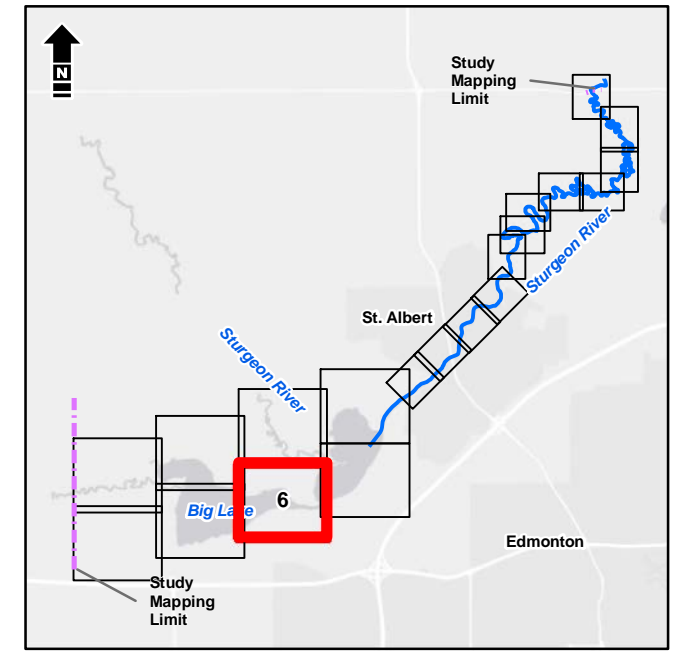
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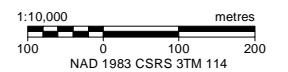
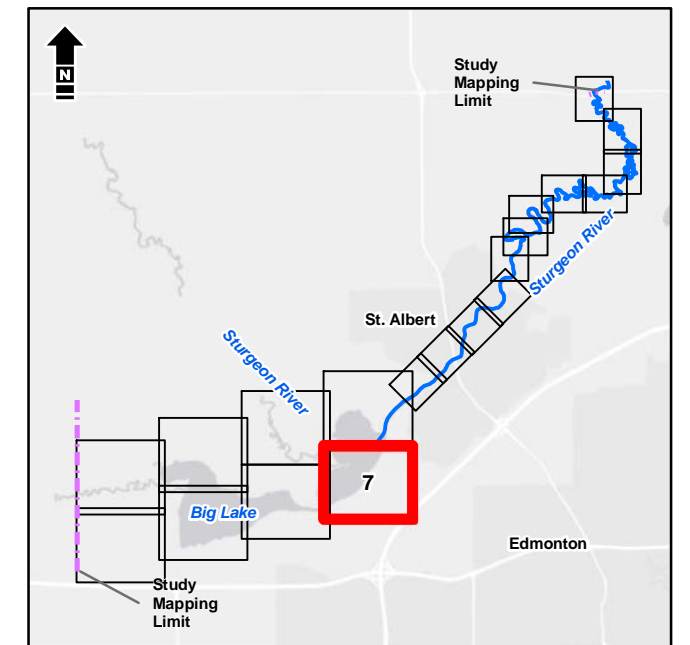
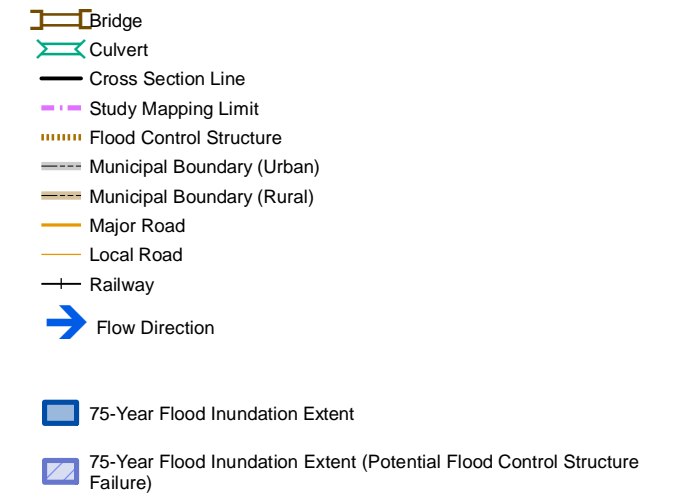
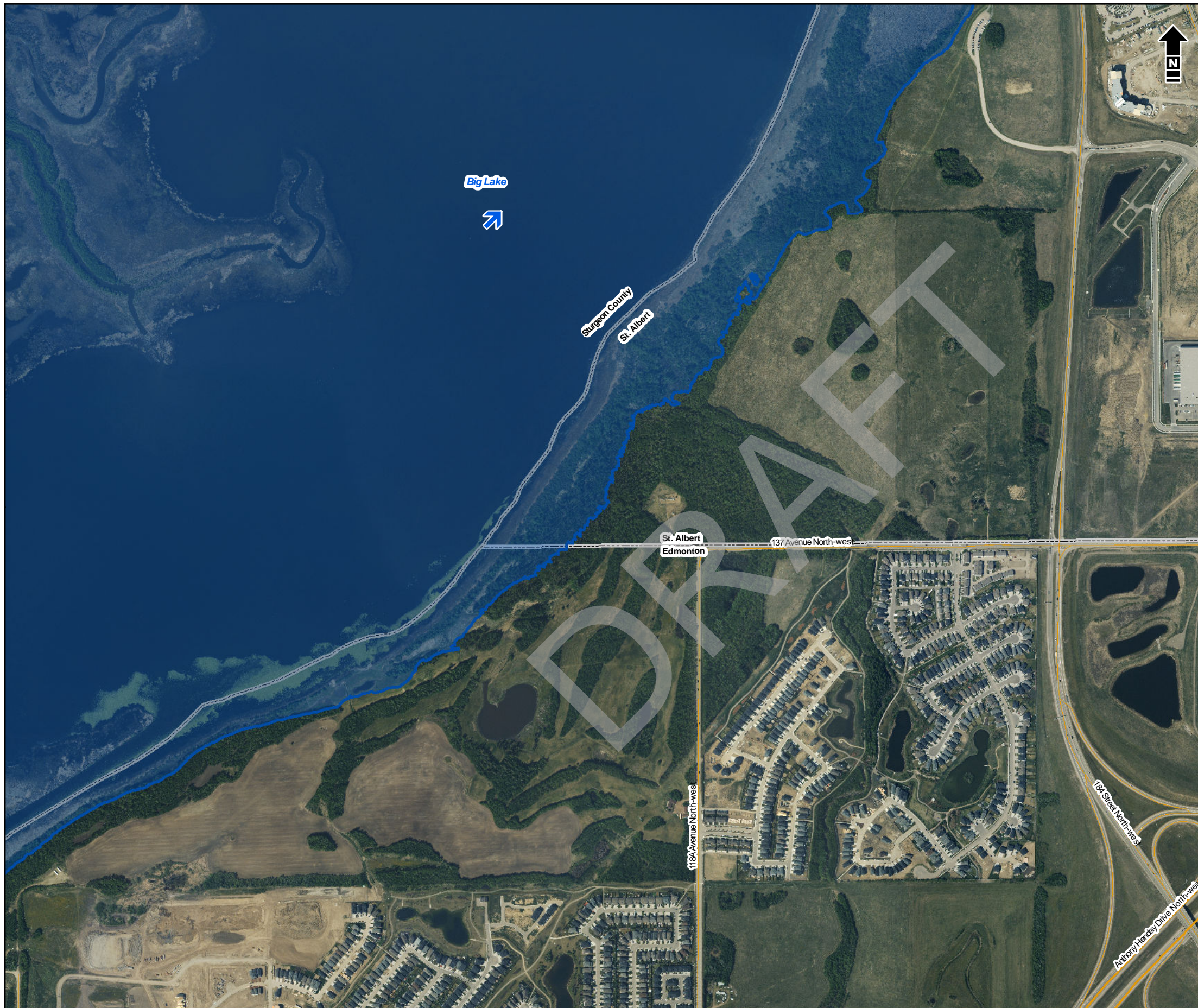
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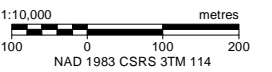
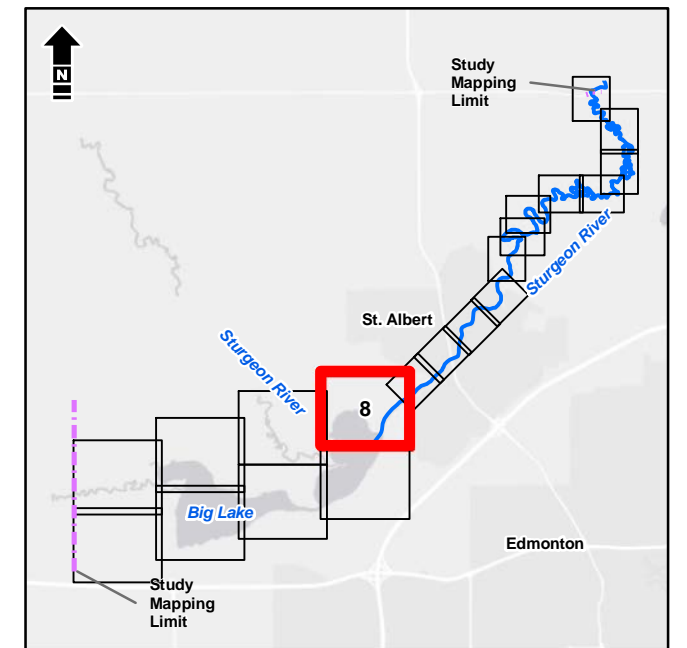
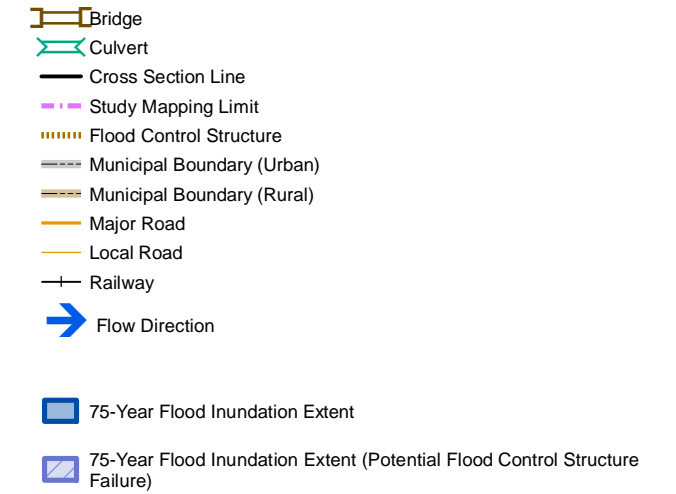
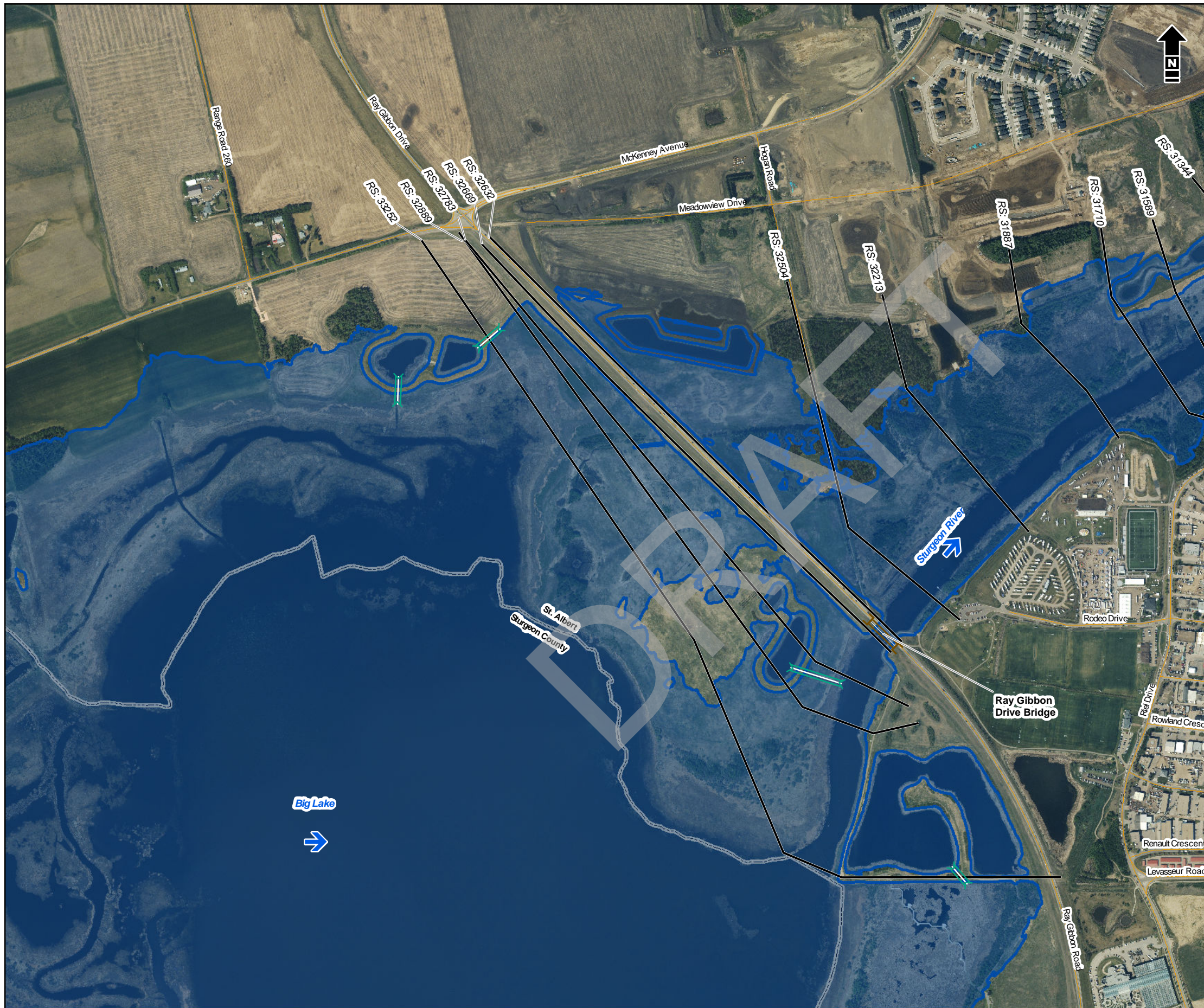
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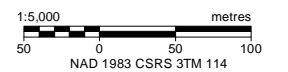
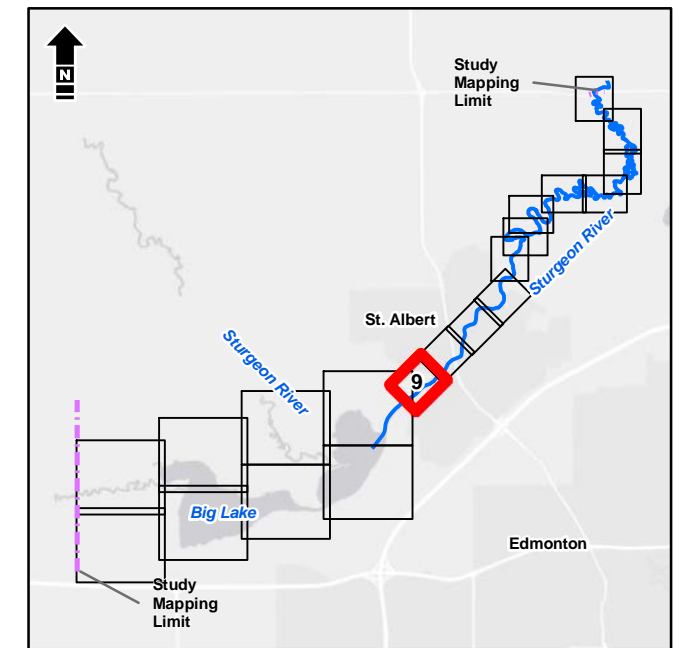
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**DISCHARGE**  
Sturgeon River = 82 m<sup>3</sup>/s



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**Open Water Flood Inundation  
Mapbook | 75-Year**

Date: March 2020 Project: 28312 Submitter: P. Rogers Reviewer: M. Shome

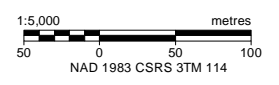
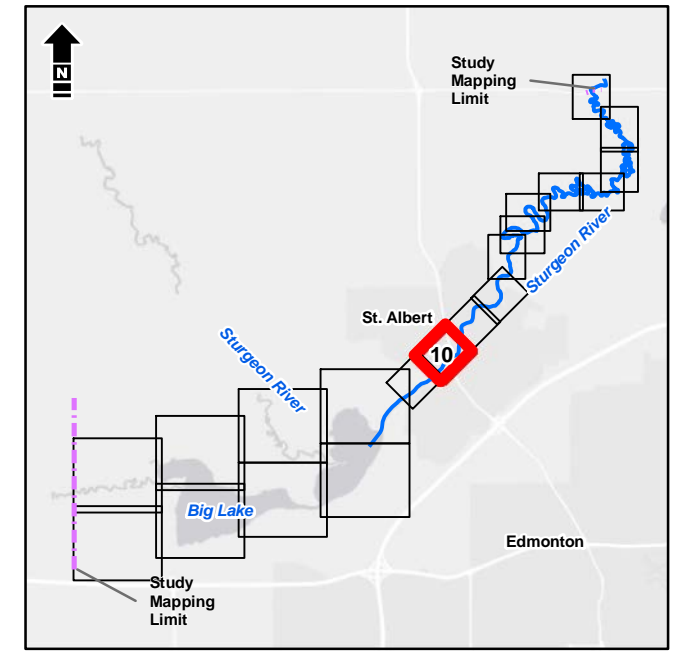
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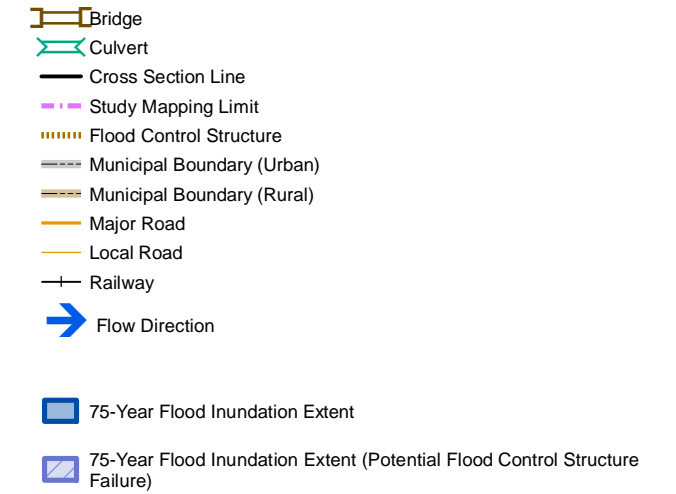
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 Mapbook | 75-Year**

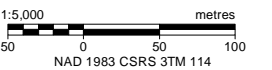
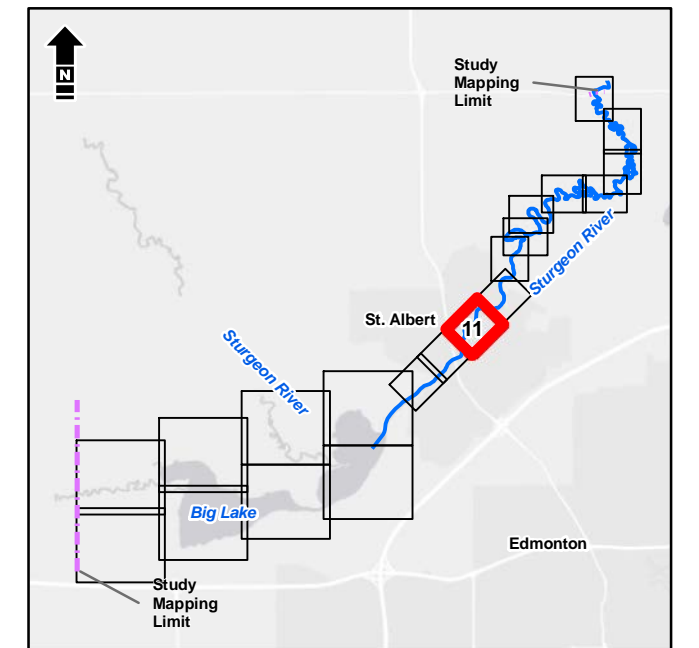
Date:	March 2020	Project:	28312	Submitter:	P. Rogers	Reviewer:	M. Shome
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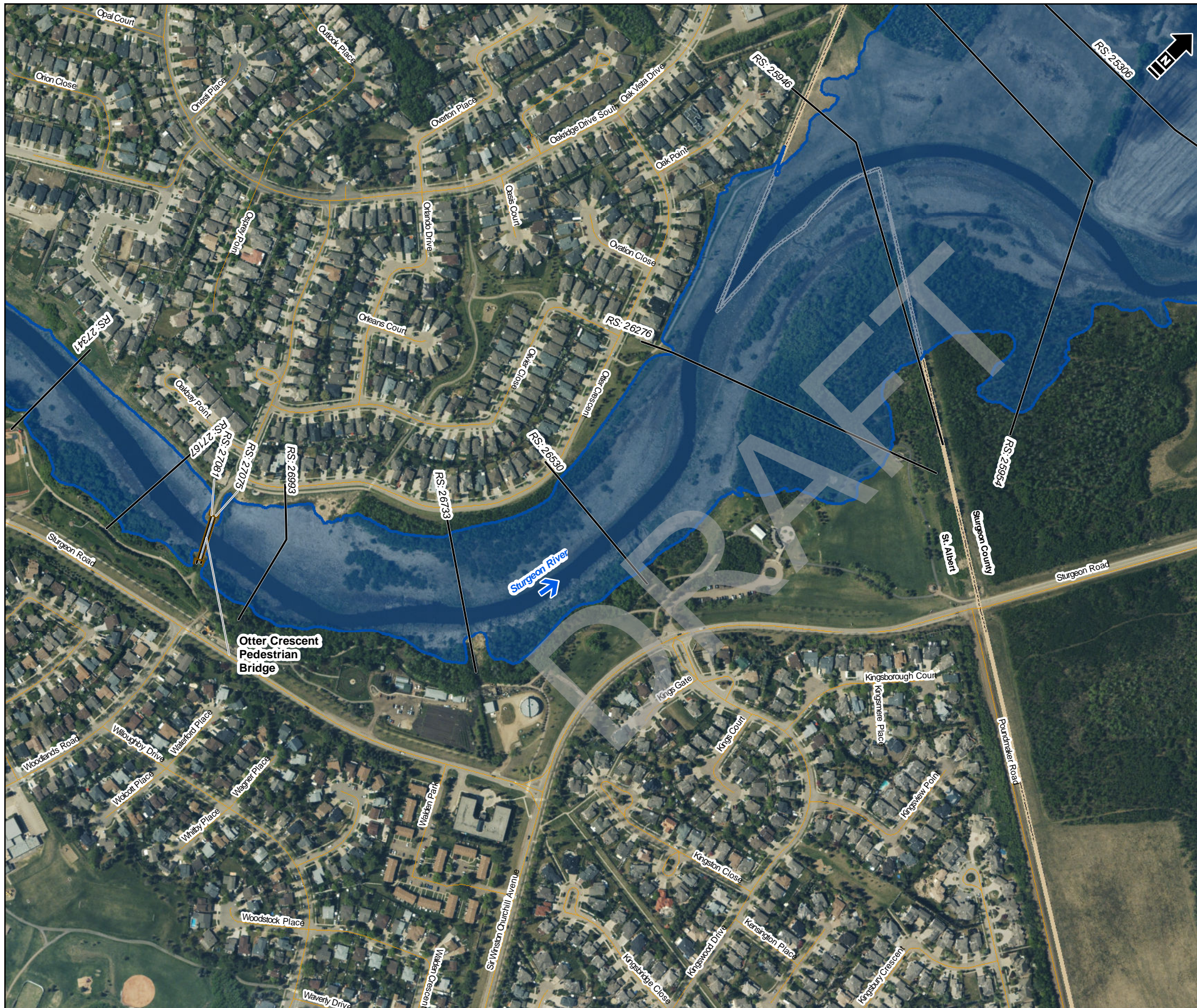
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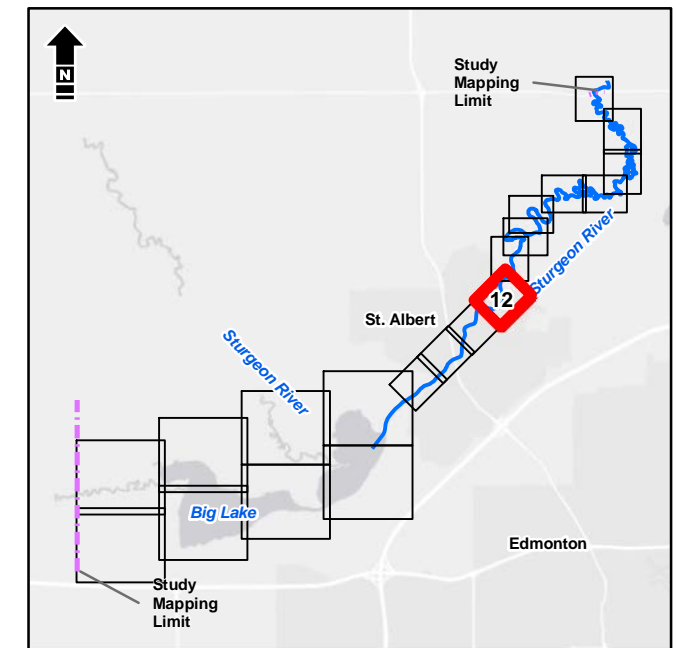
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1:5,000 metres  
50 0 50 100  
NAD 1983 CSRS 3TM 114

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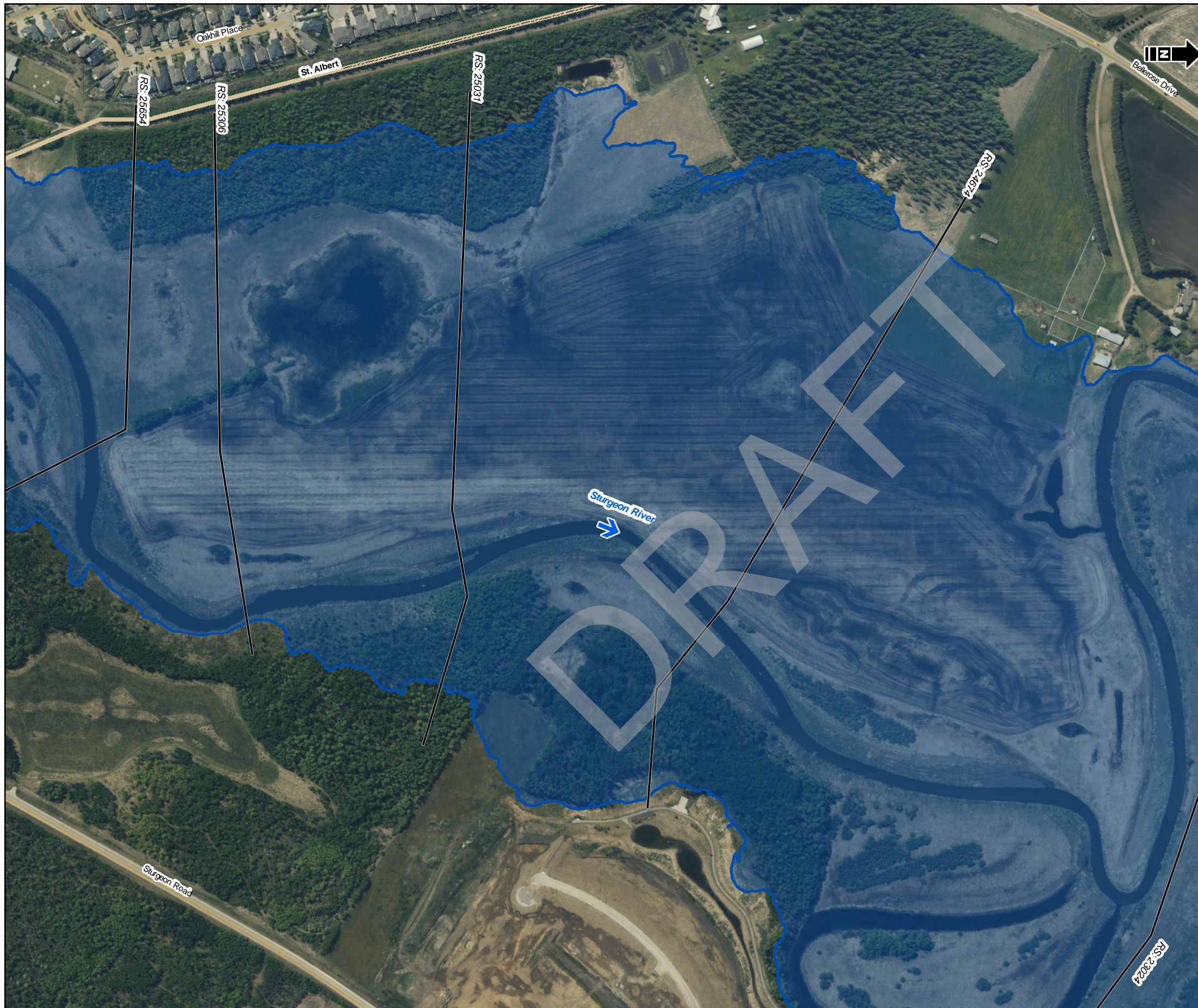
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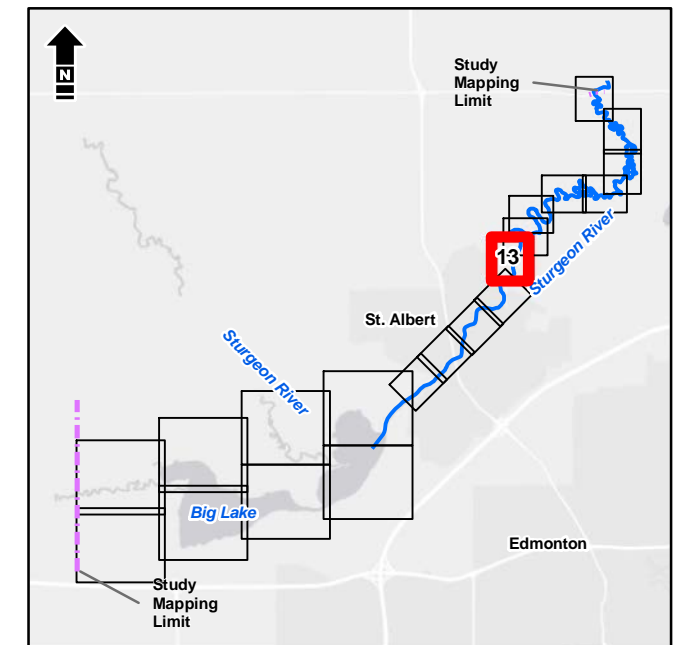
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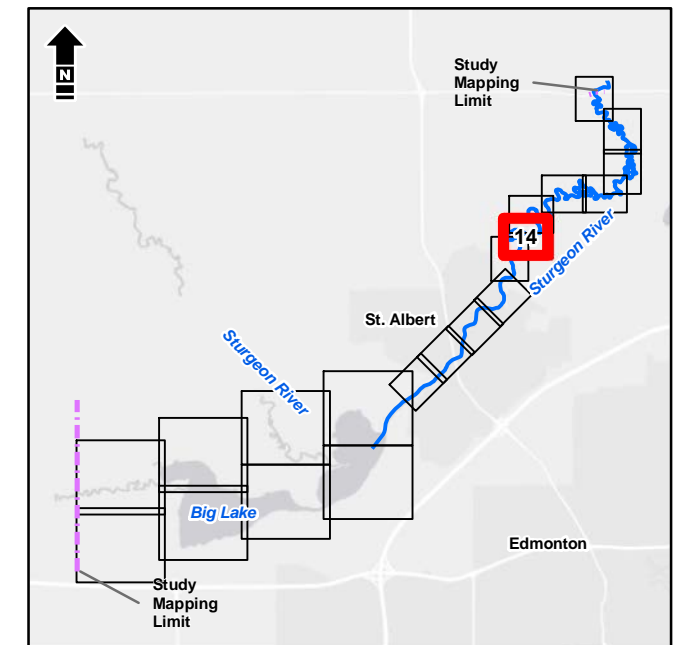
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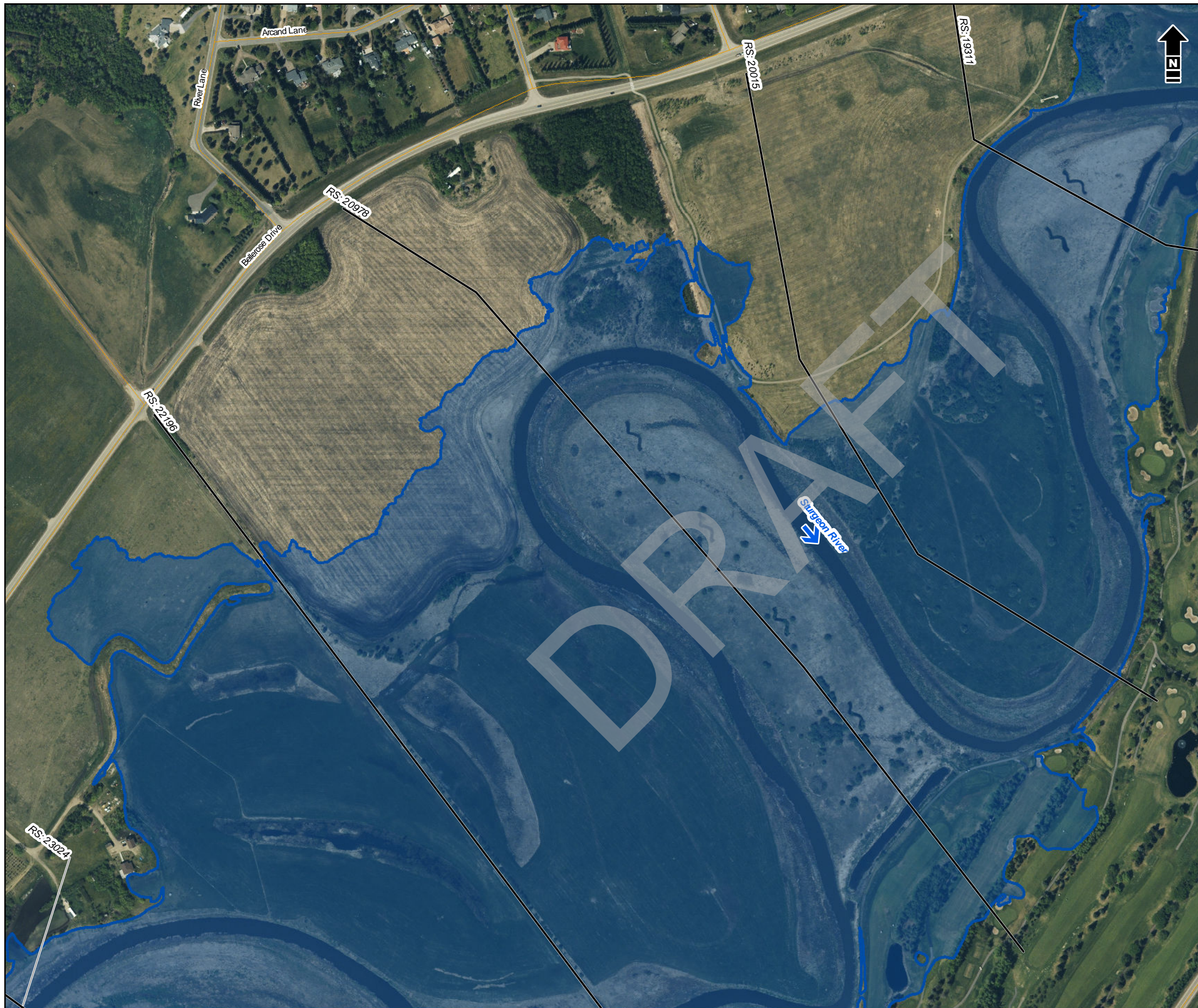
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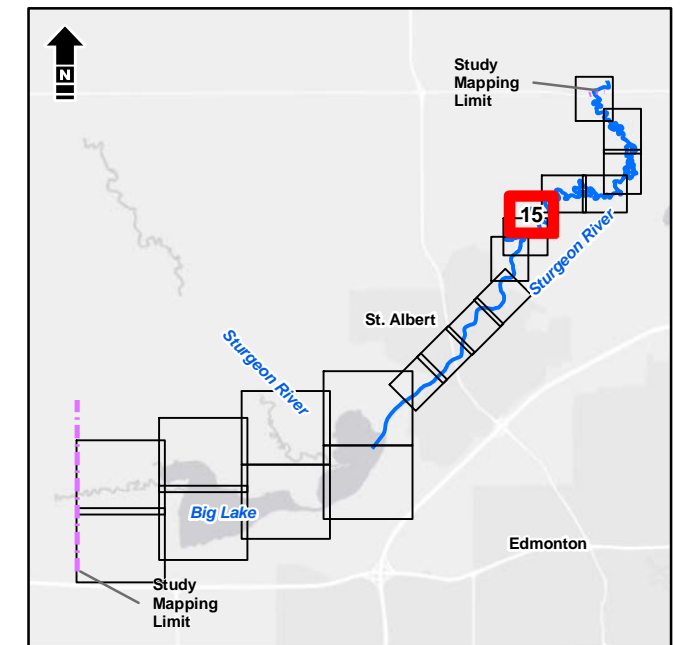
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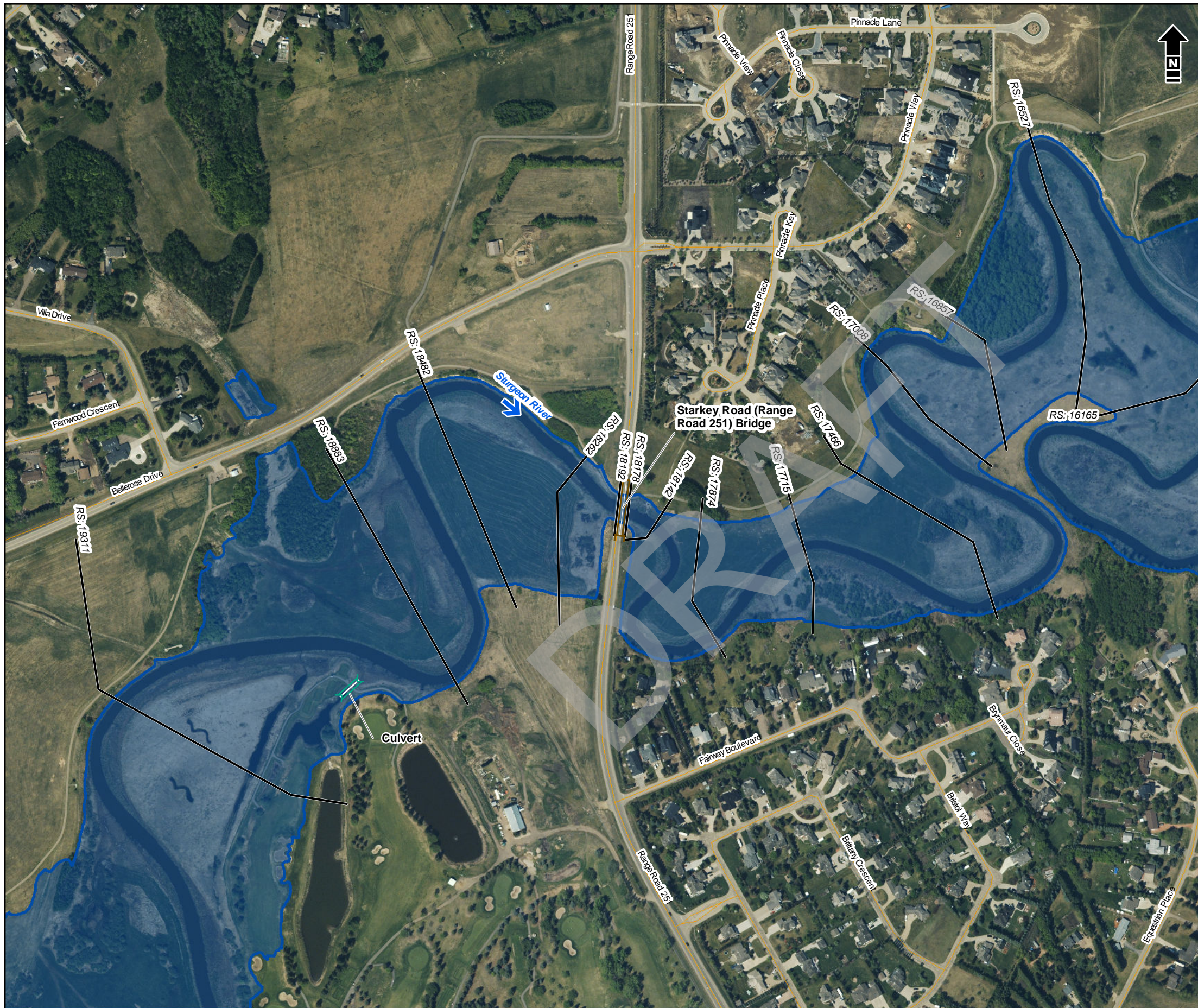
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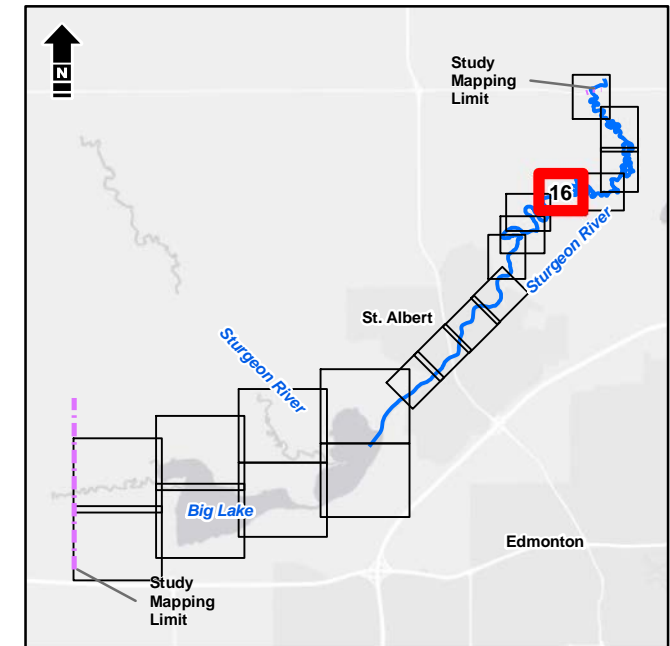
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1:5,000 metres  
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 NAD 1983 CSRS 3TM 114



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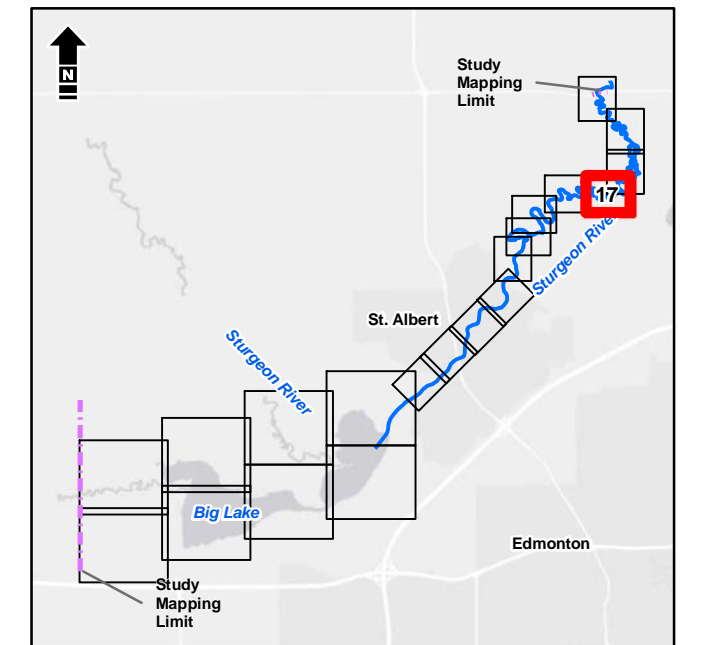
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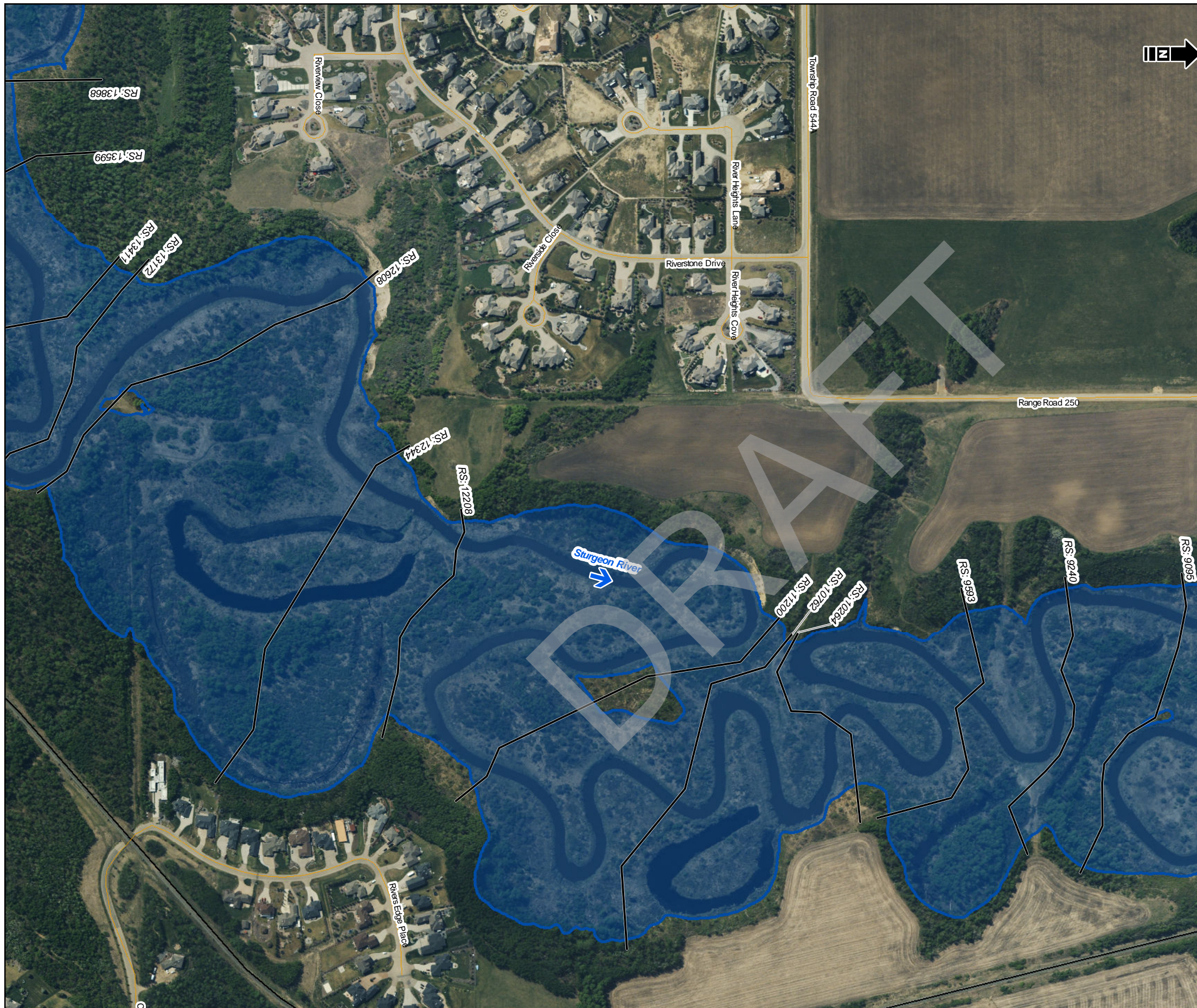
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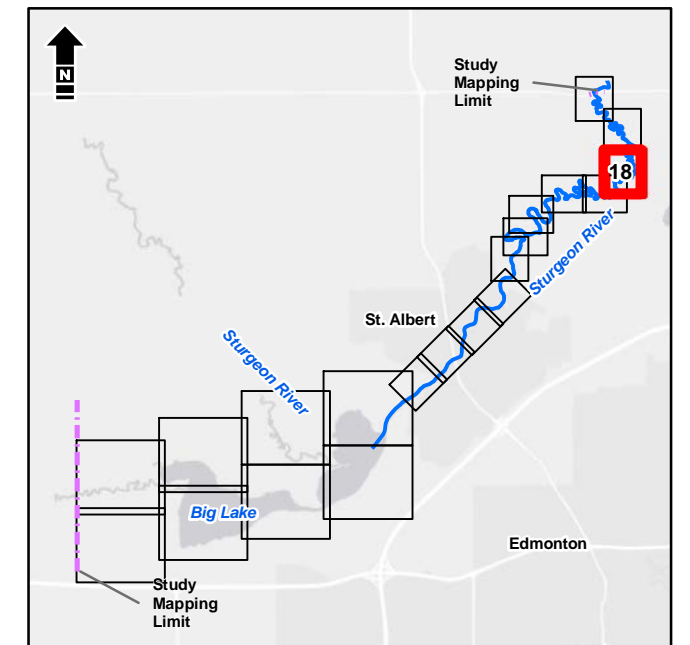
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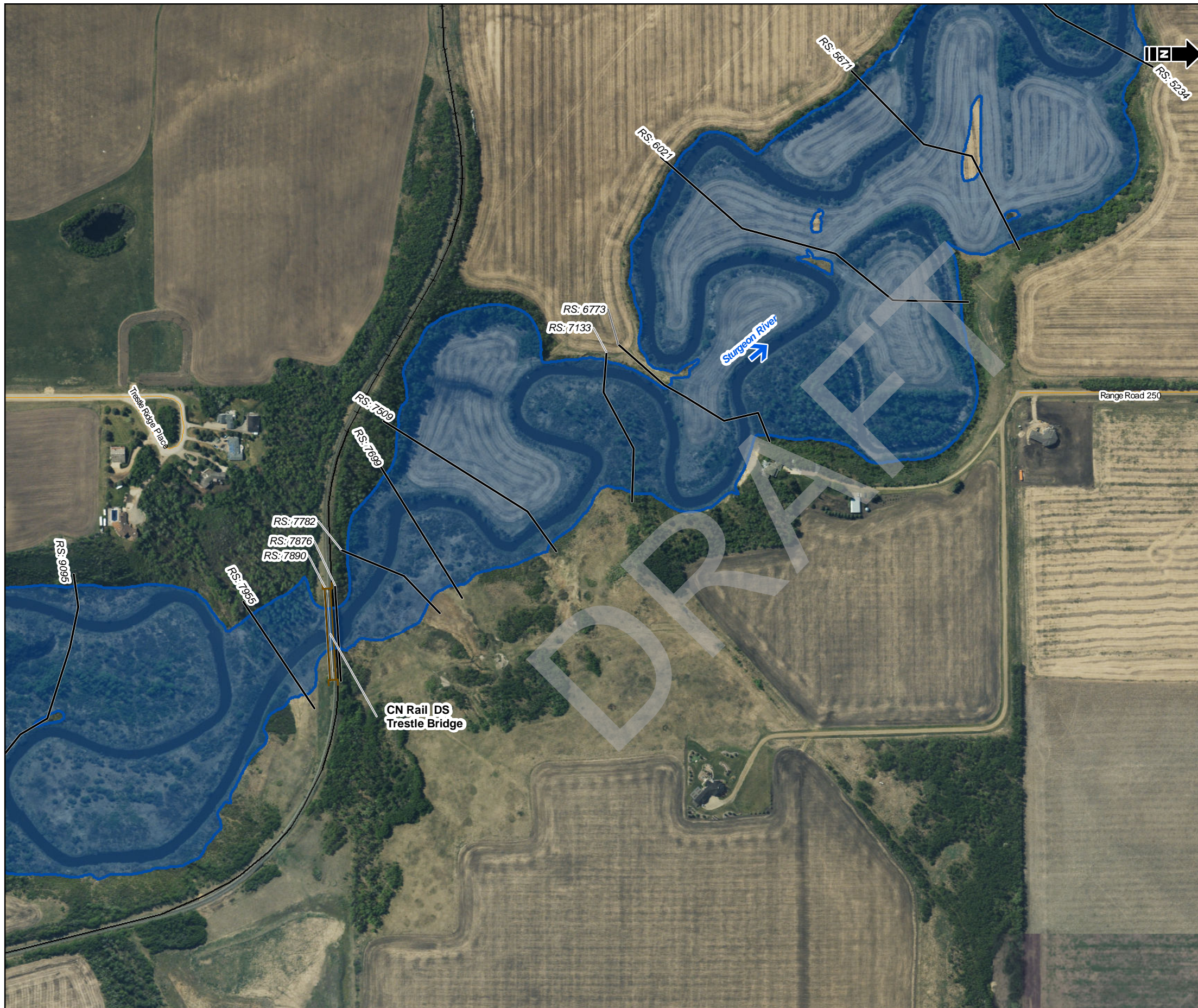
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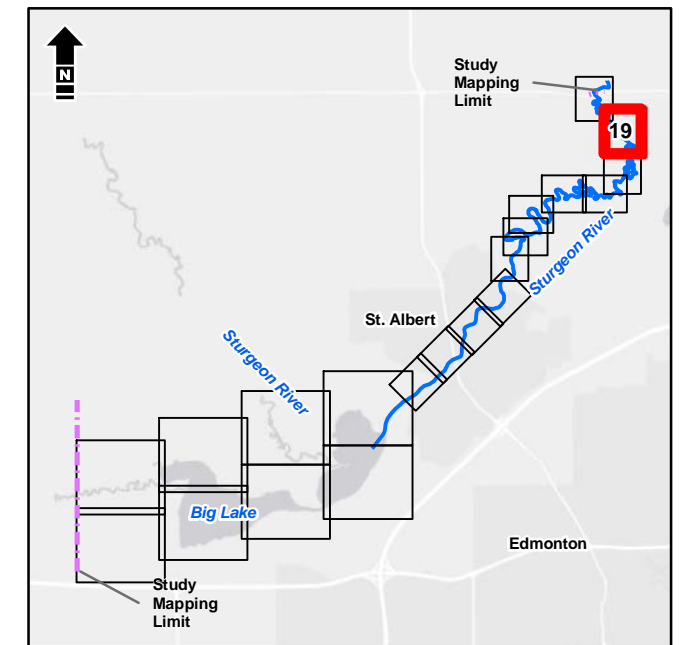
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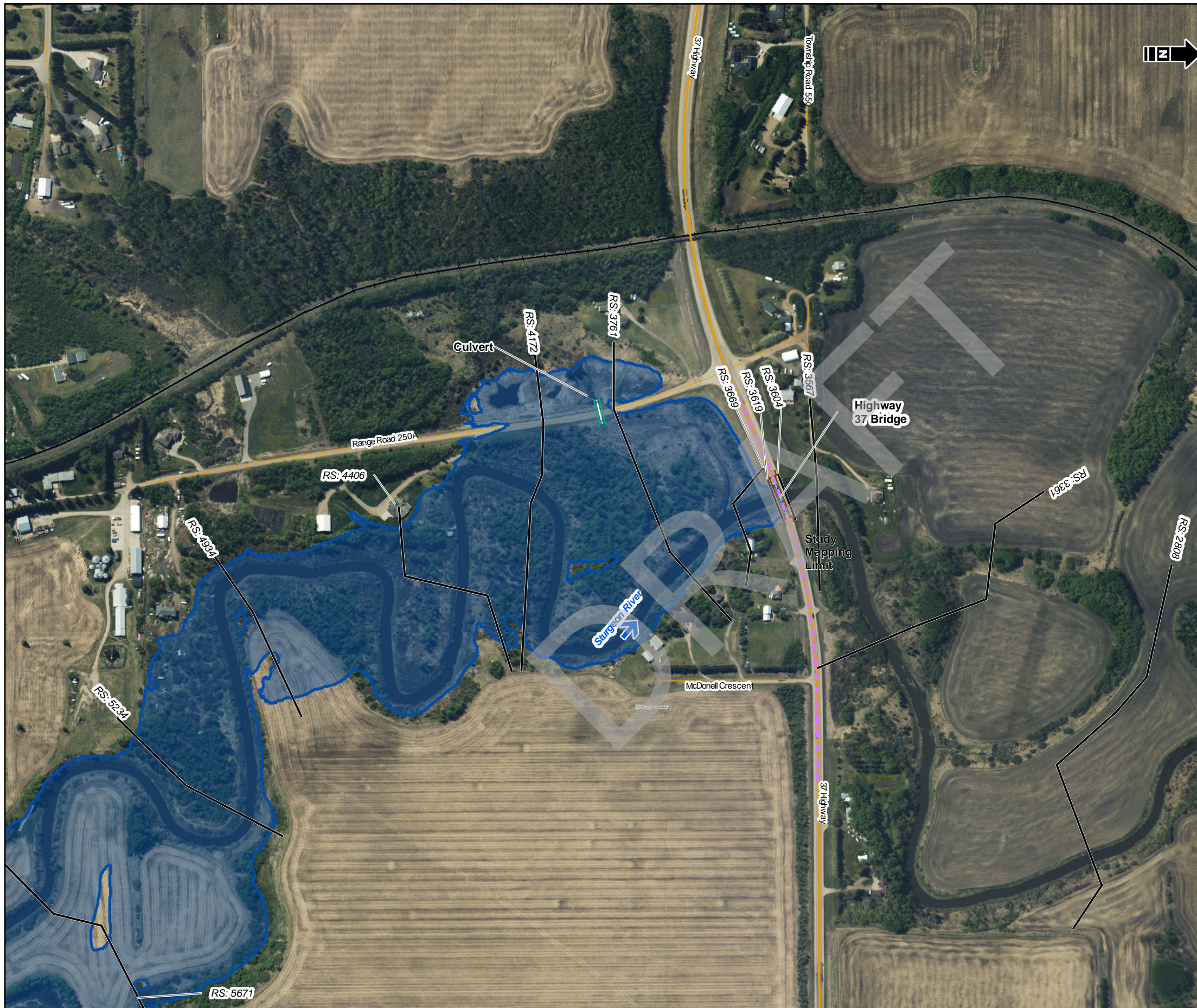
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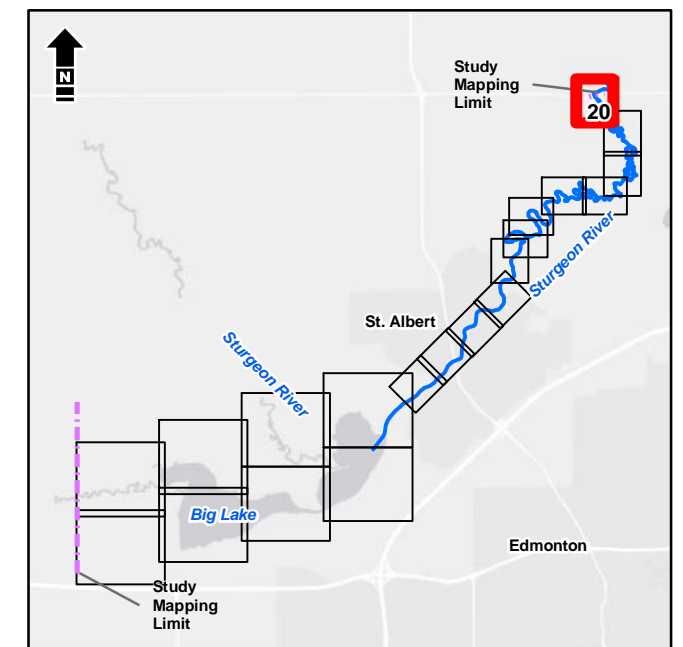
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Mapbook | 75-Year**

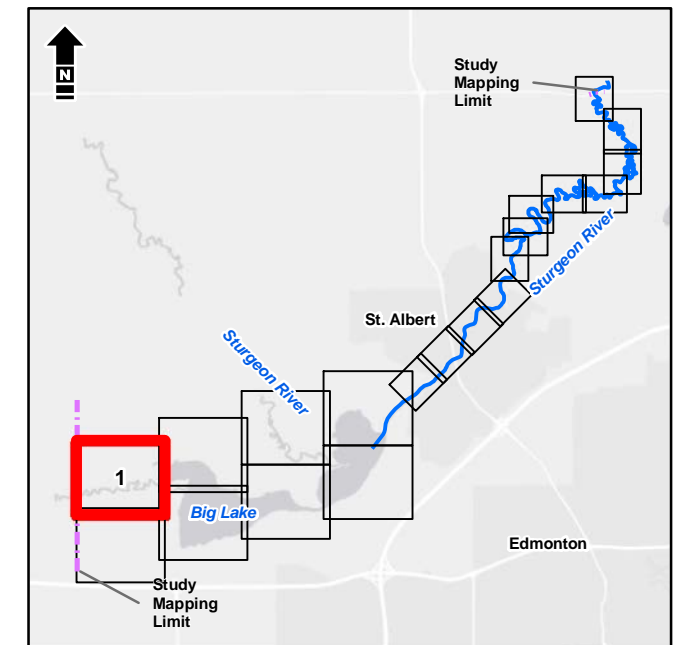
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1:10,000 metres  
 100 0 100 200  
 NAD 1983 CSRS 3TM 114

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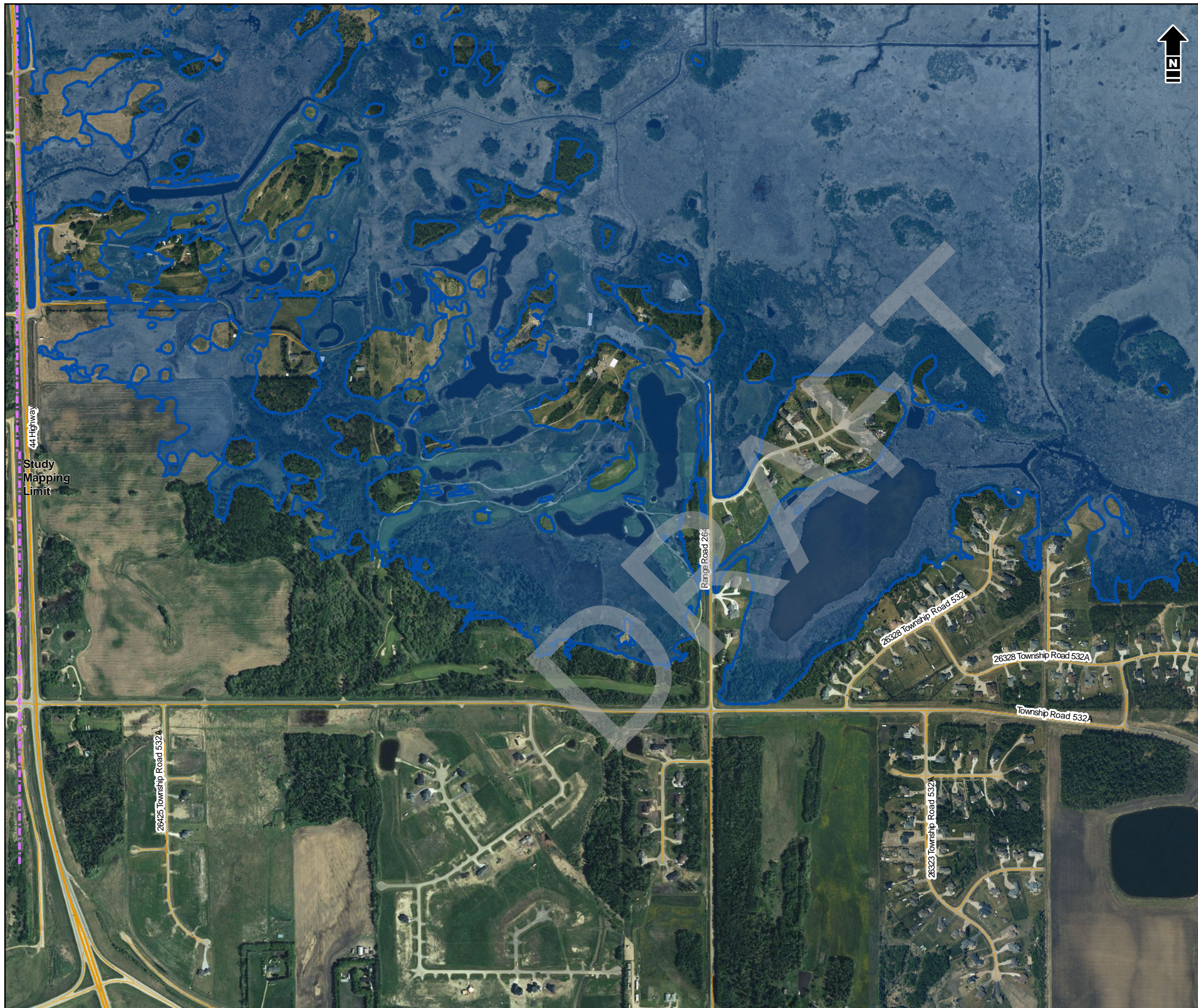
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 Mapbook | 100-Year**

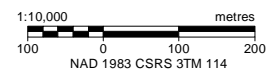
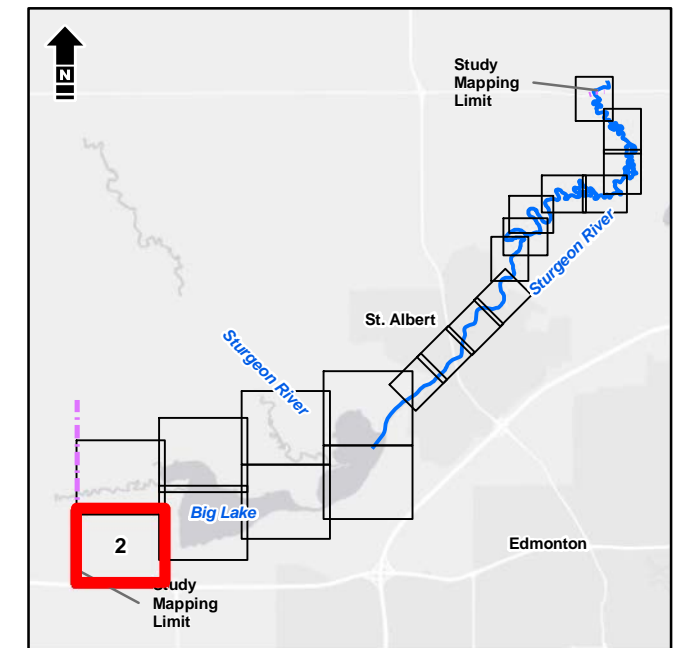
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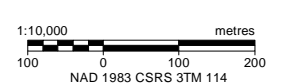
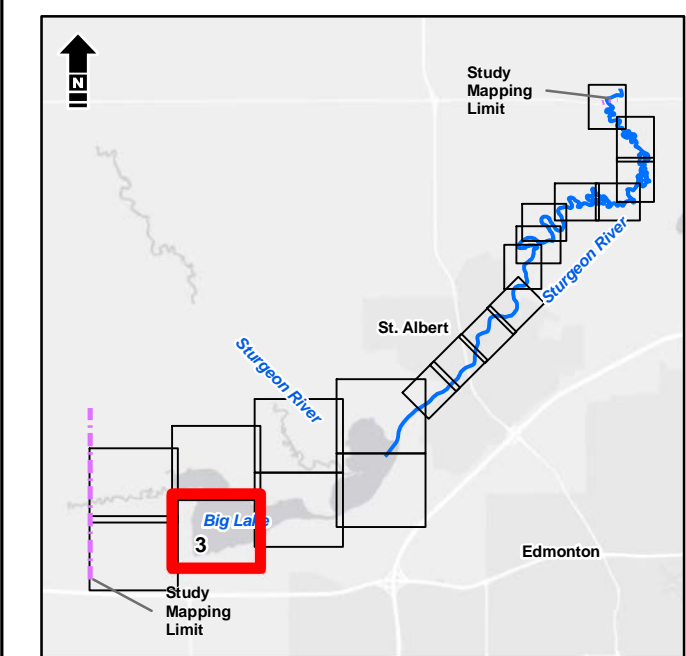
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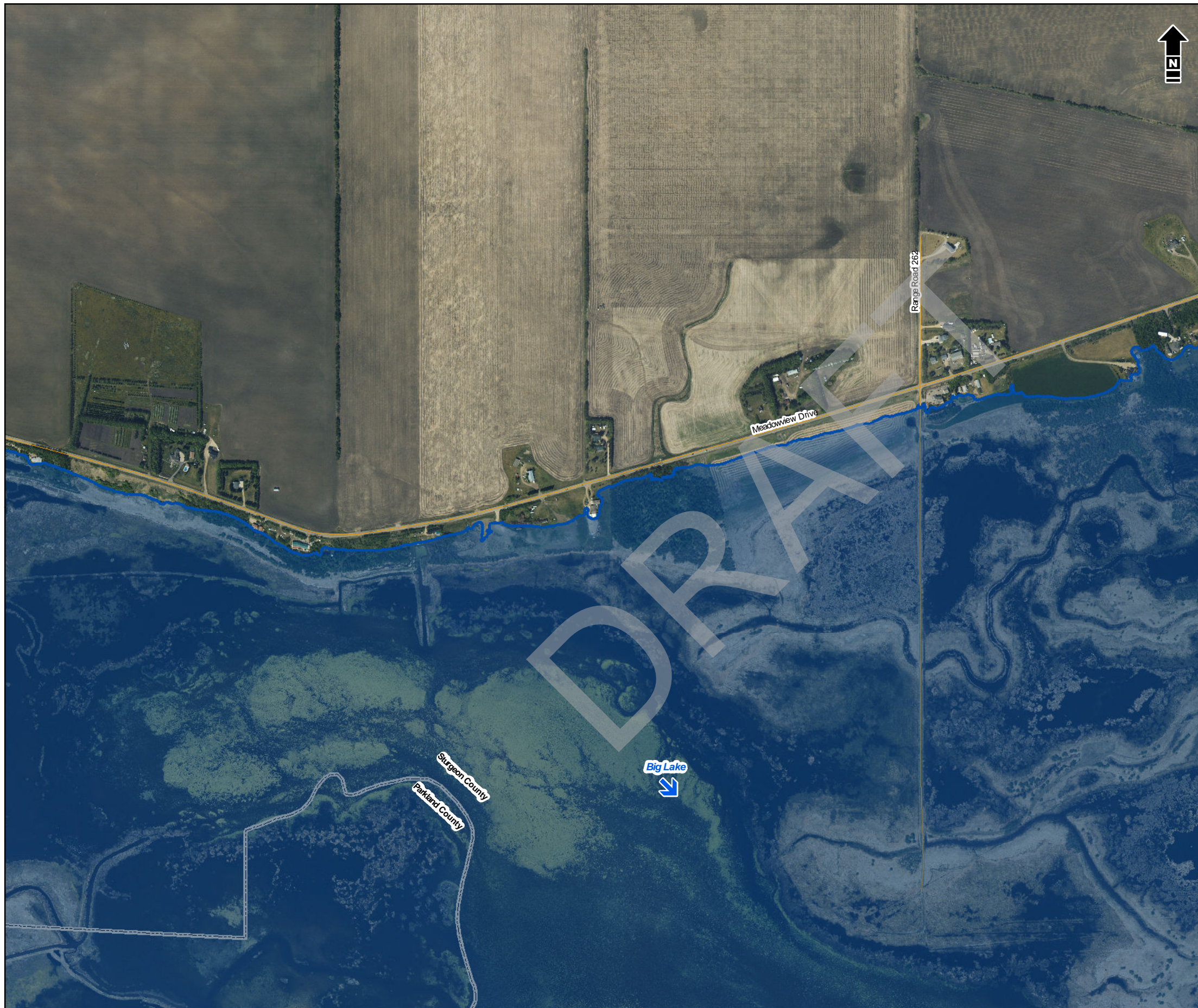
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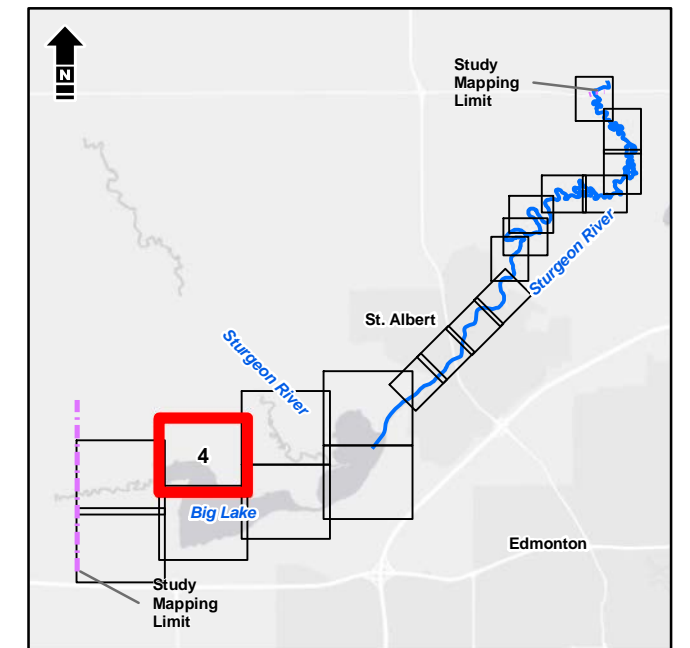
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 St. Albert Flood Hazard Study



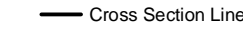
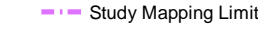
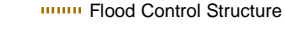
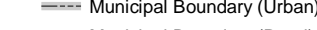
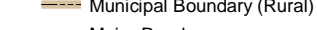





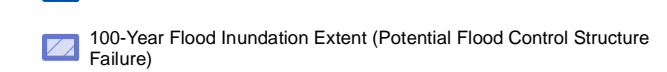
**Open Water Flood Inundation  
 Mapbook | 100-Year**

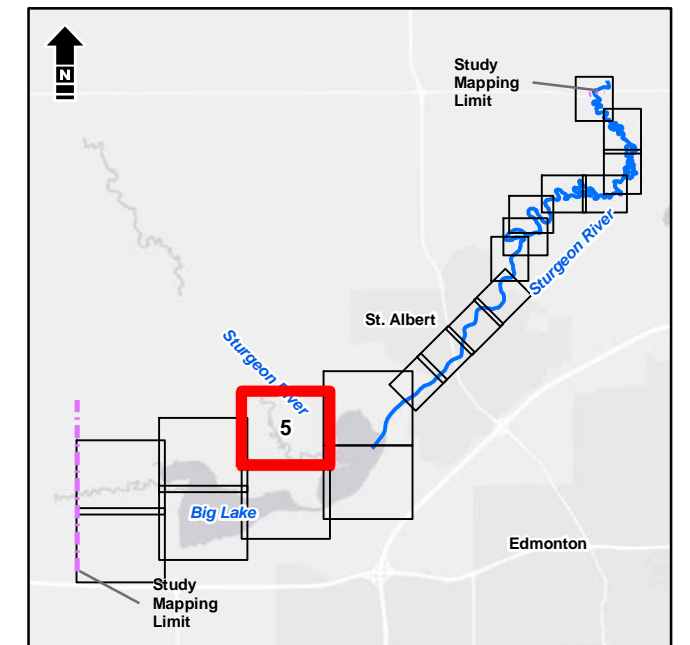
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-  100-Year Flood Inundation Extent
-  100-Year Flood Inundation Extent (Potential Flood Control Structure Failure)



1:10,000 metres  
 100 0 100 200  
 NAD 1983 CSRS 3TM 114

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 St. Albert Flood Hazard Study

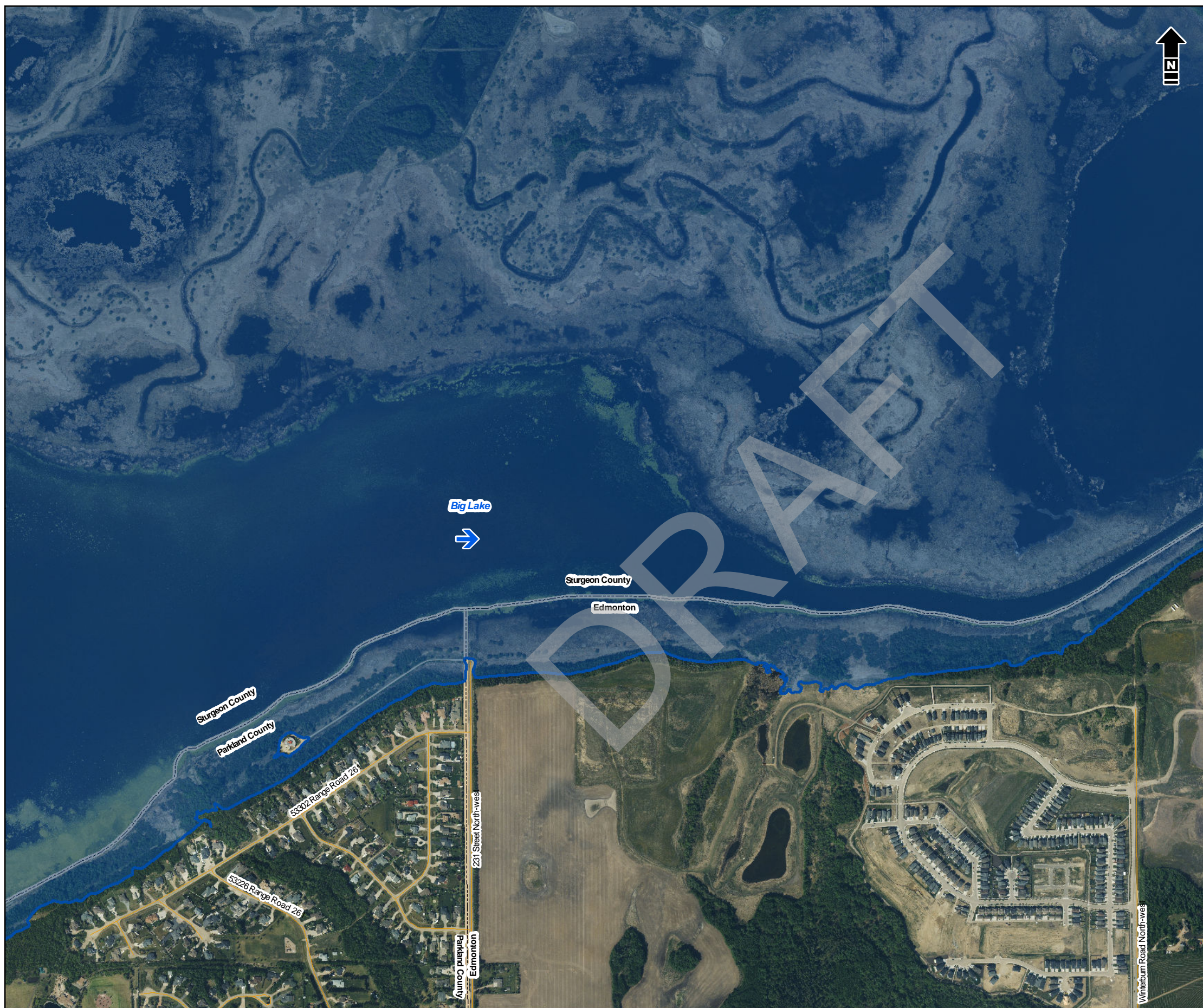
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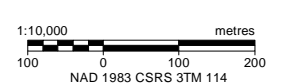
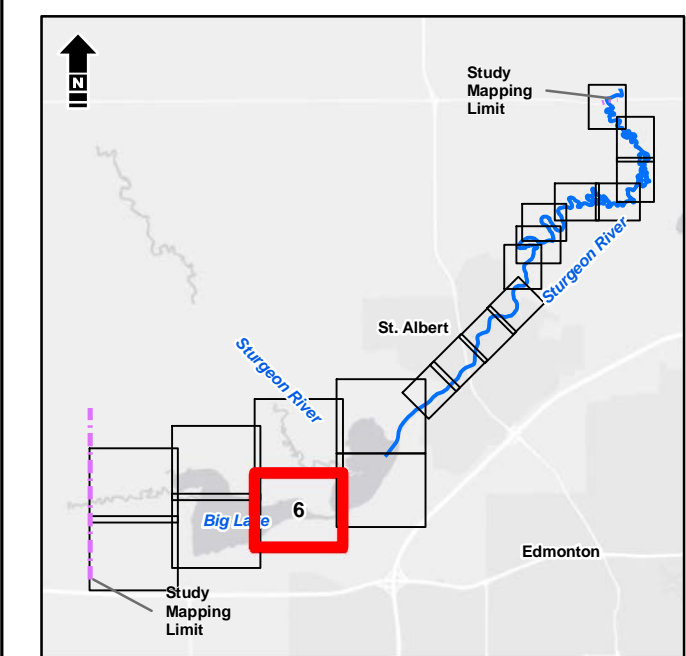
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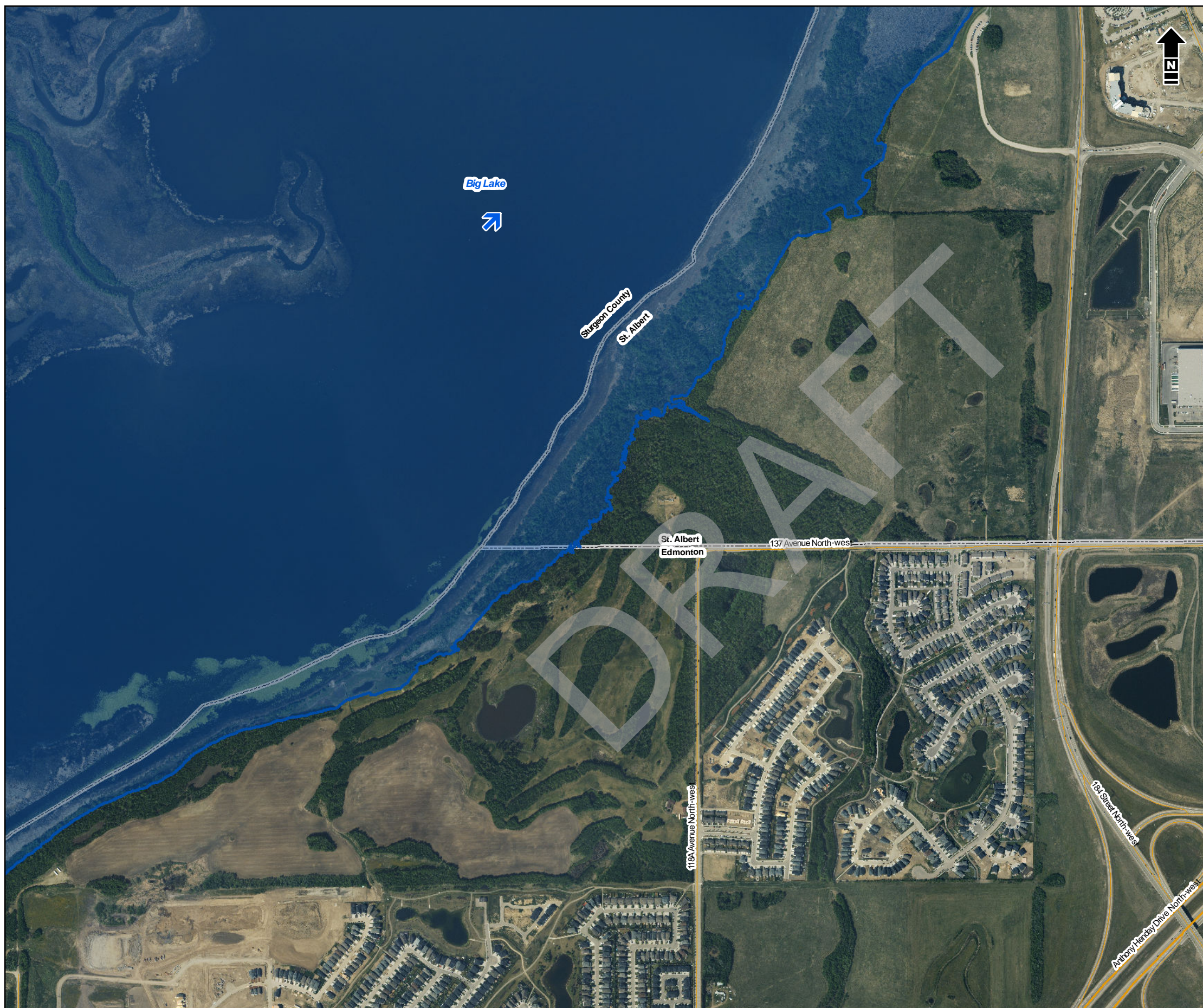
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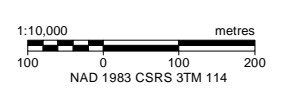
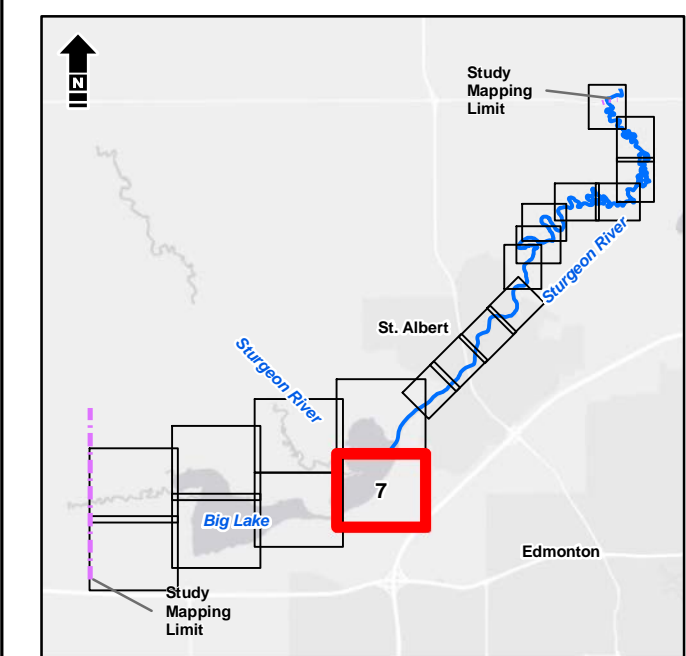
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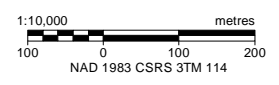
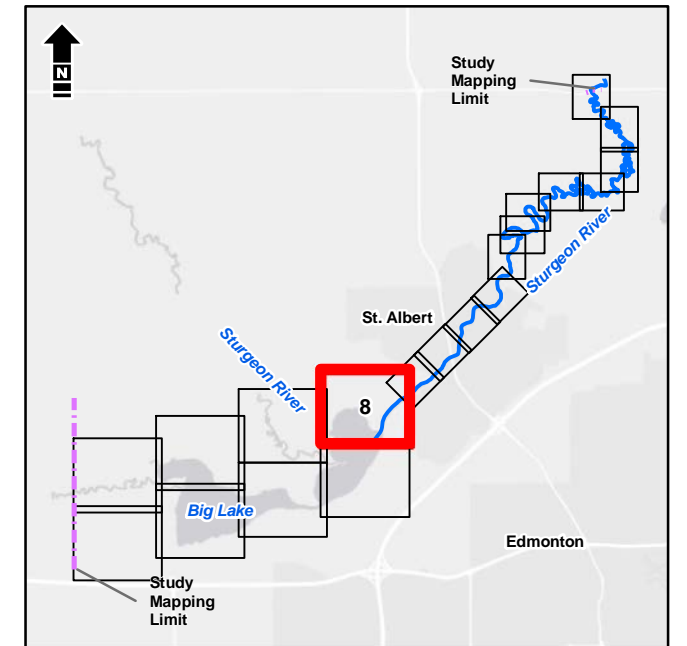
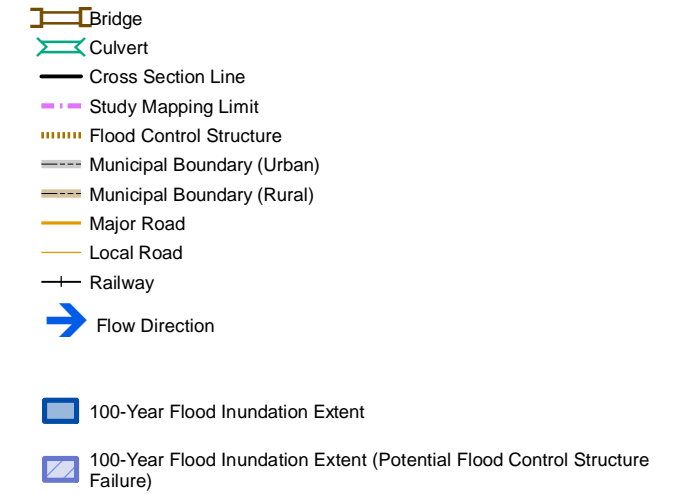
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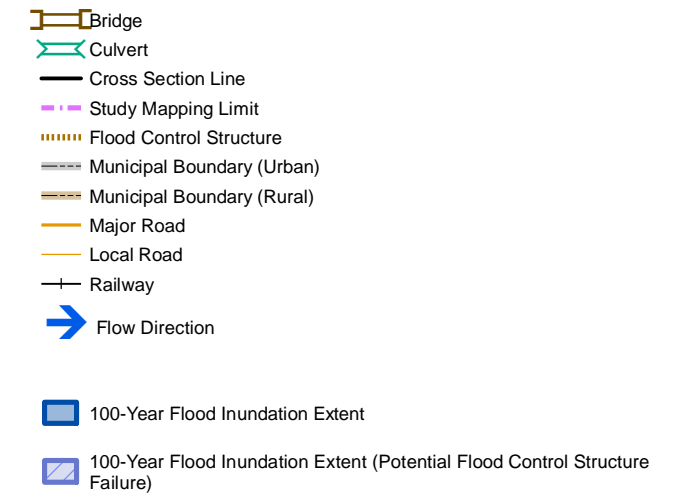
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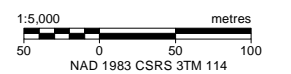
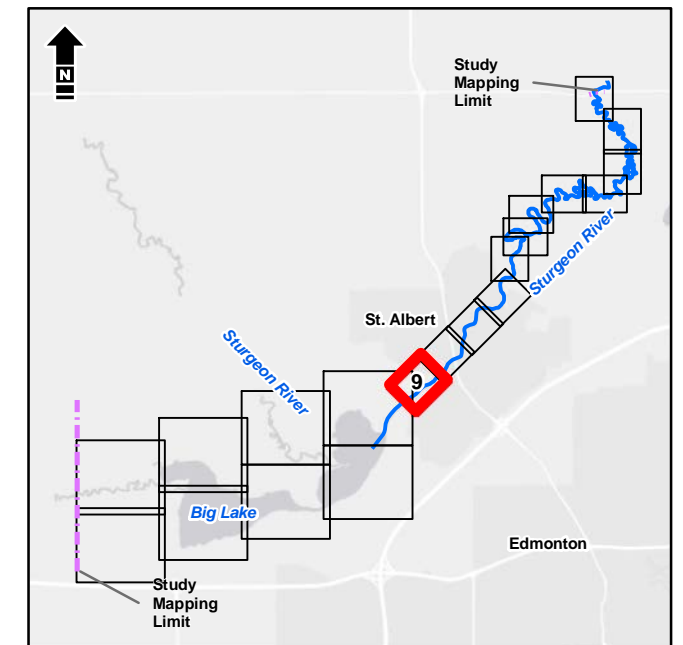
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**DISCHARGE**  
Sturgeon River = 90 m<sup>3</sup>/s



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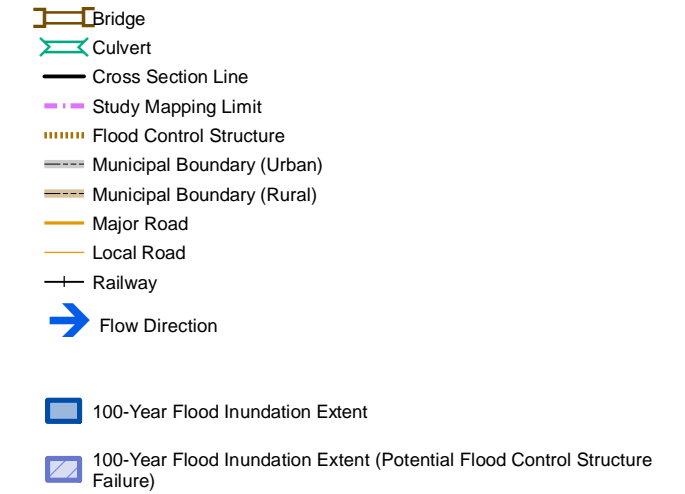
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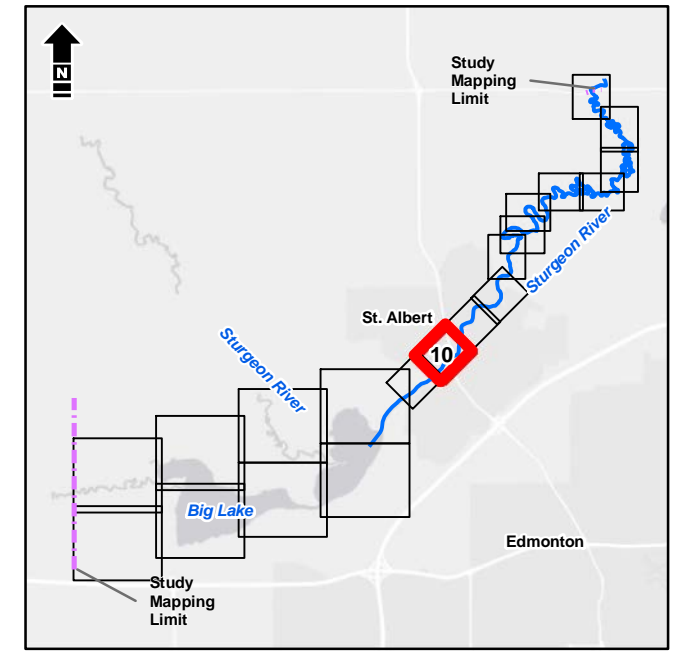
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1:5,000 metres  
0 50 100  
NAD 1983 CSRS 3TM 114



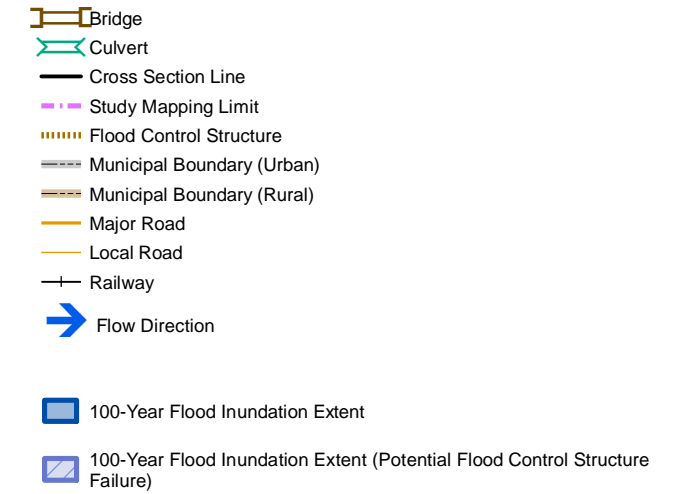
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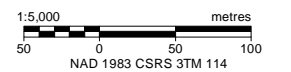
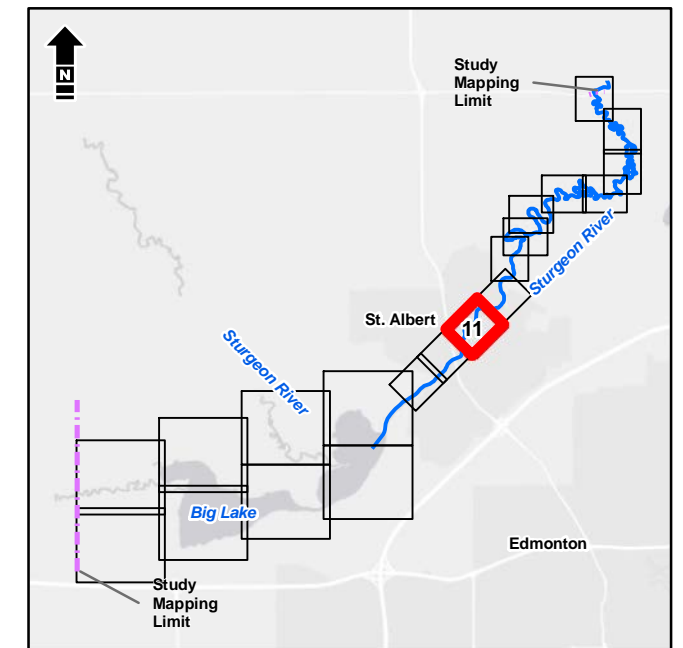
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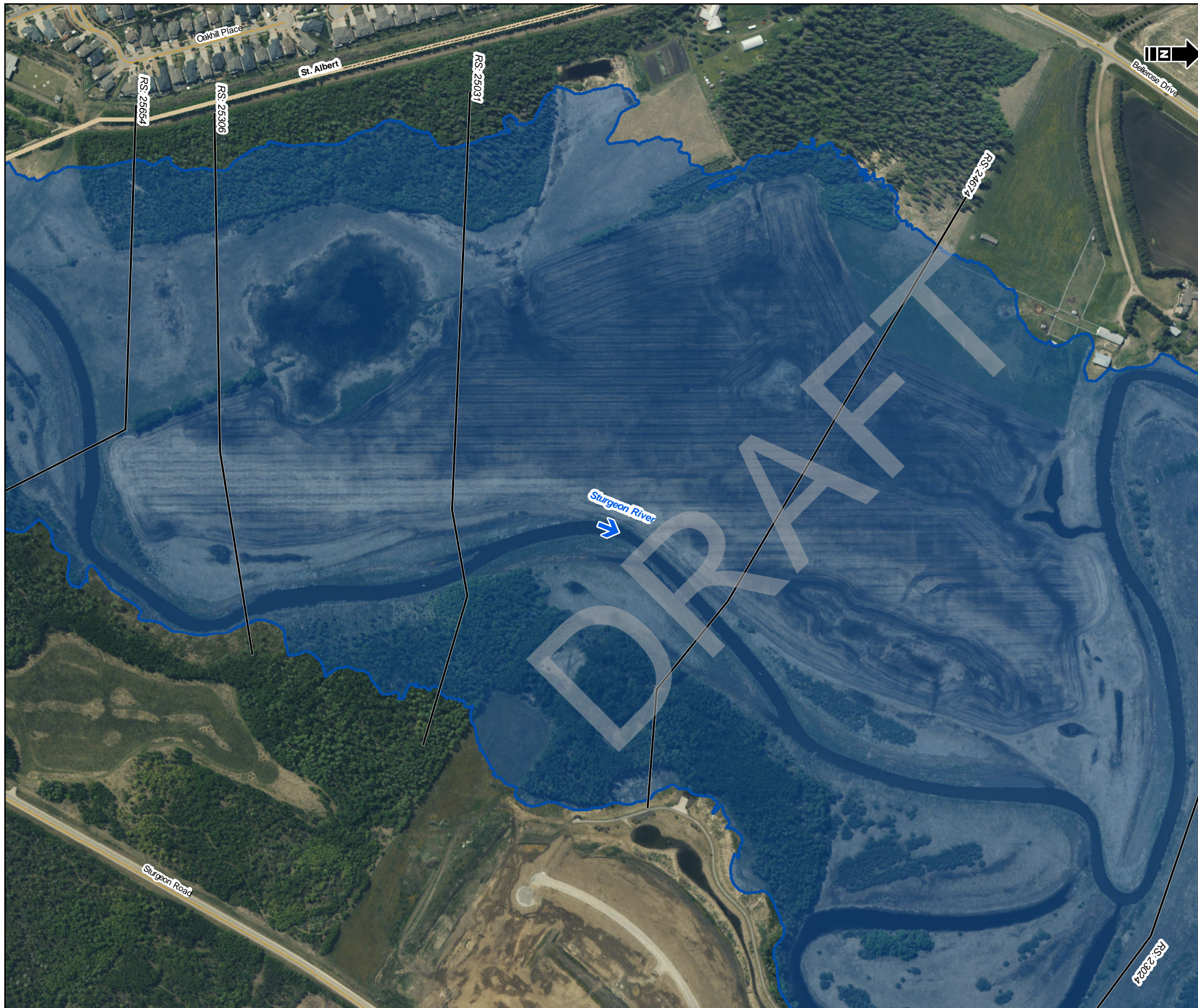
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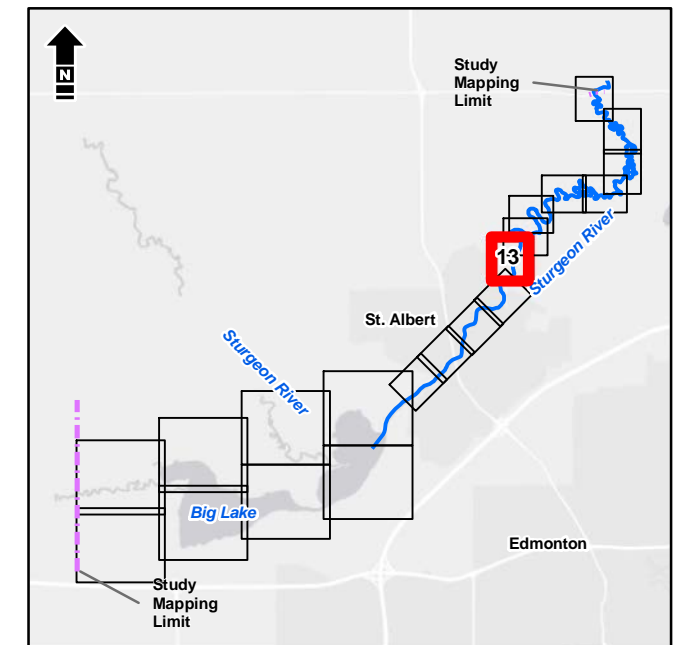






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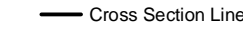
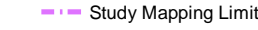
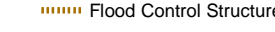

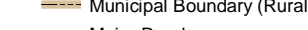





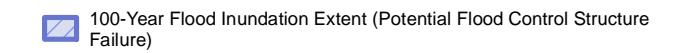
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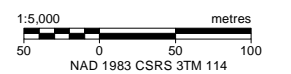
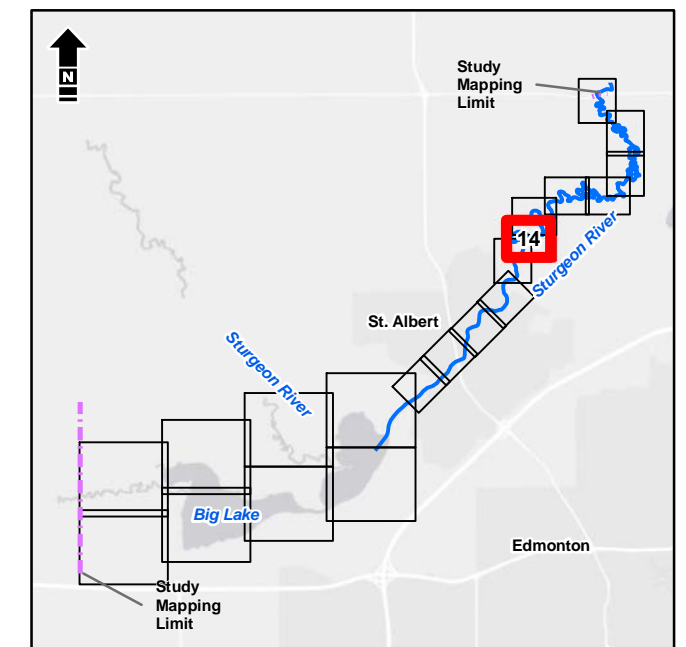
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**DISCHARGE**  
Sturgeon River = 90 m<sup>3</sup>/s



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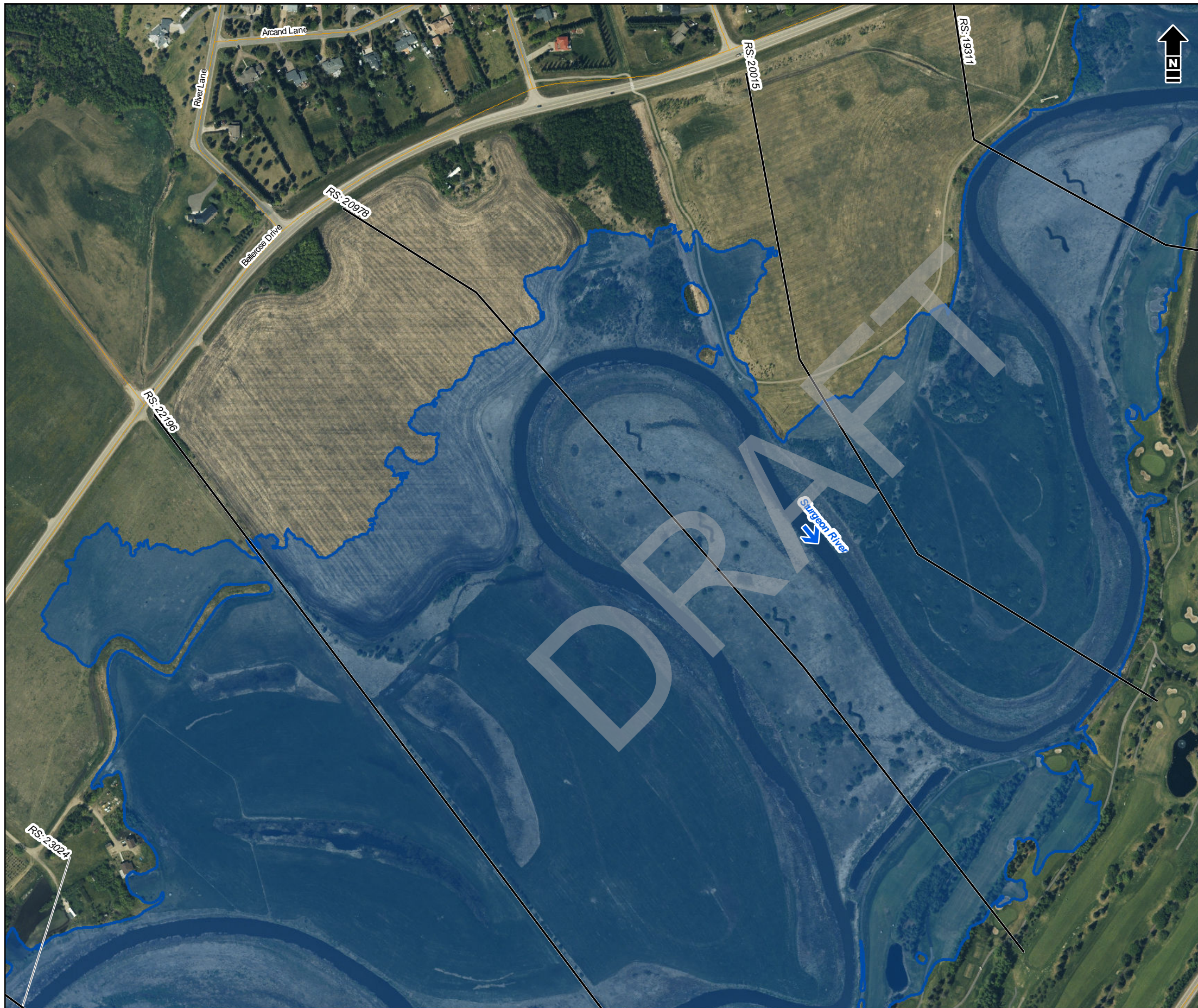
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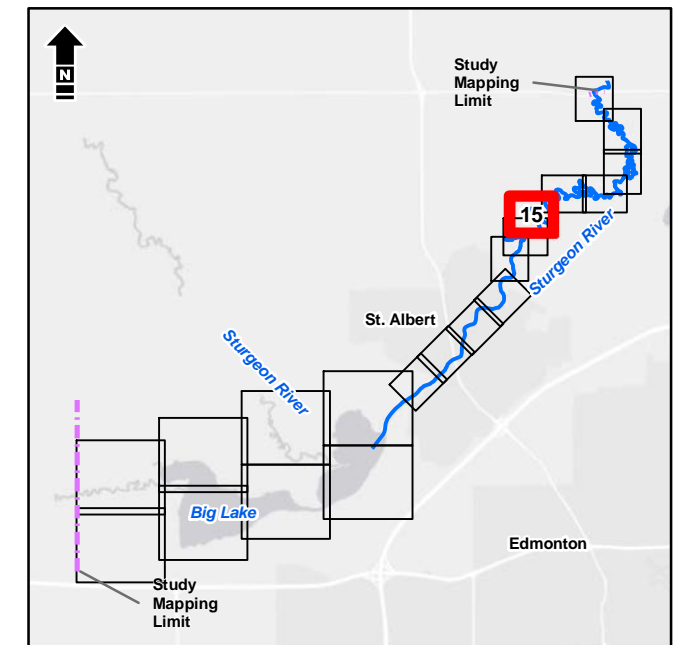
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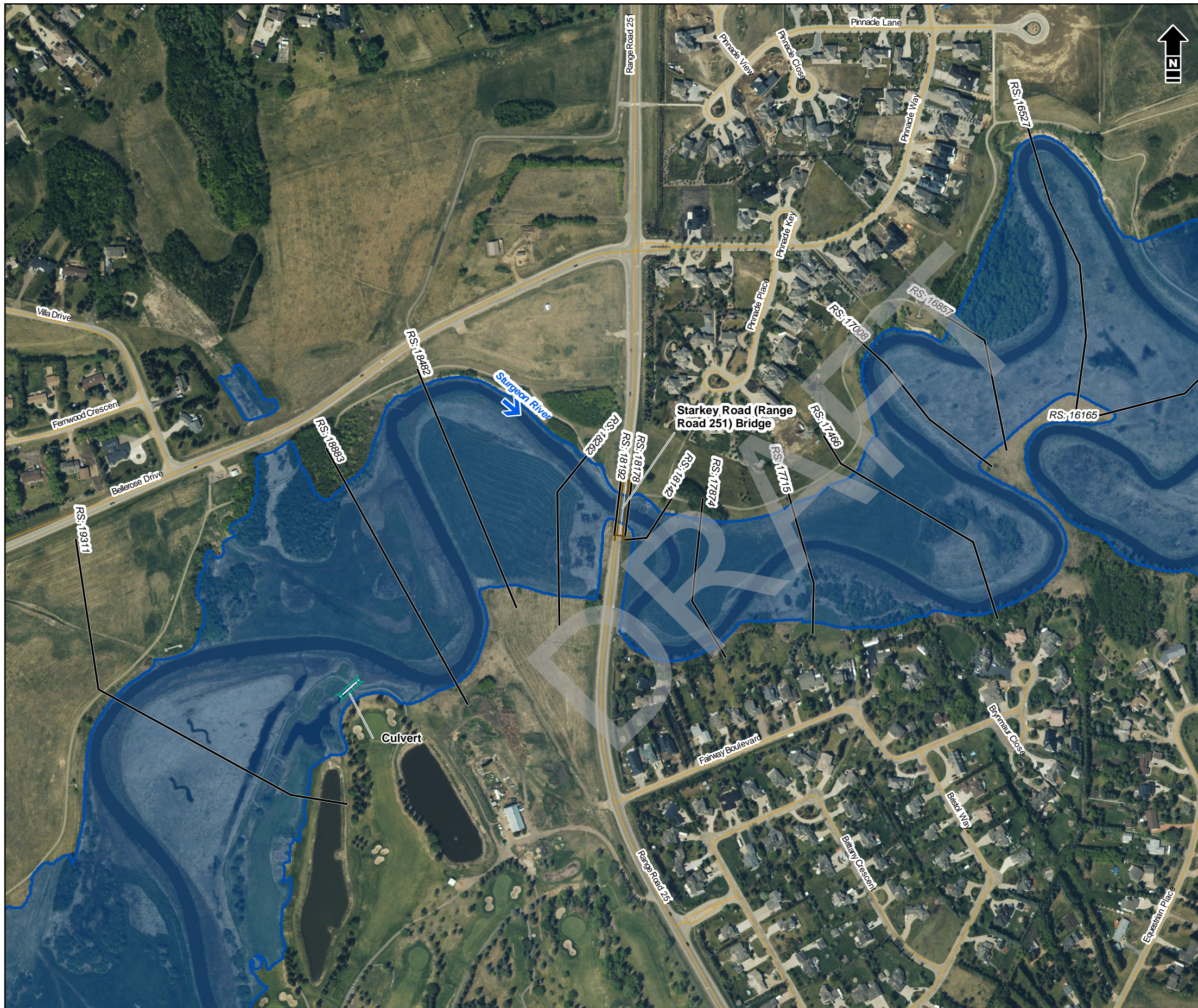
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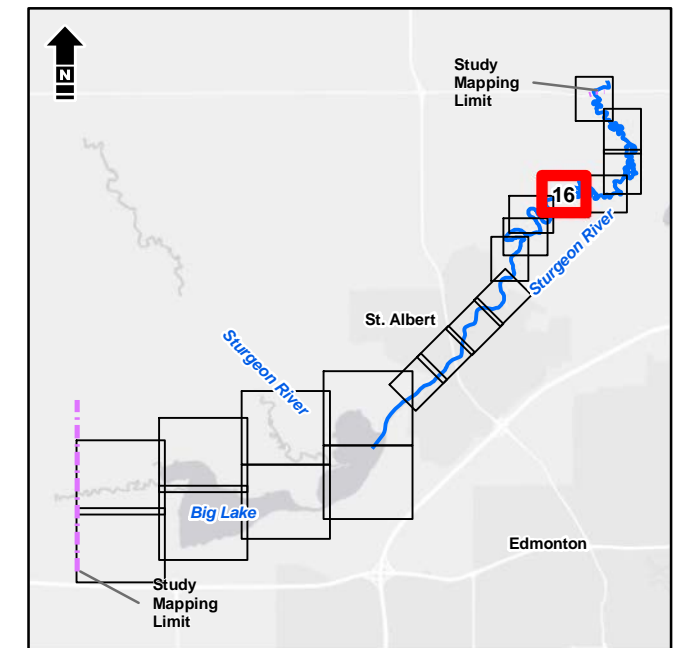
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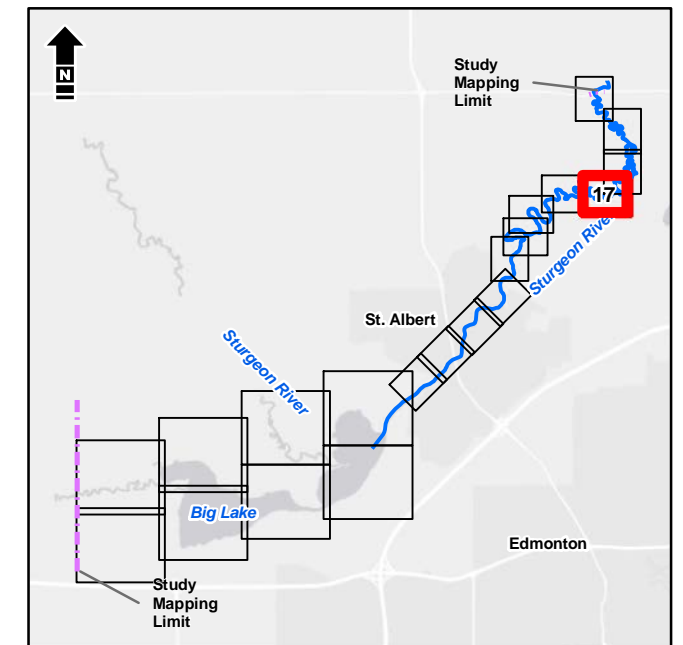
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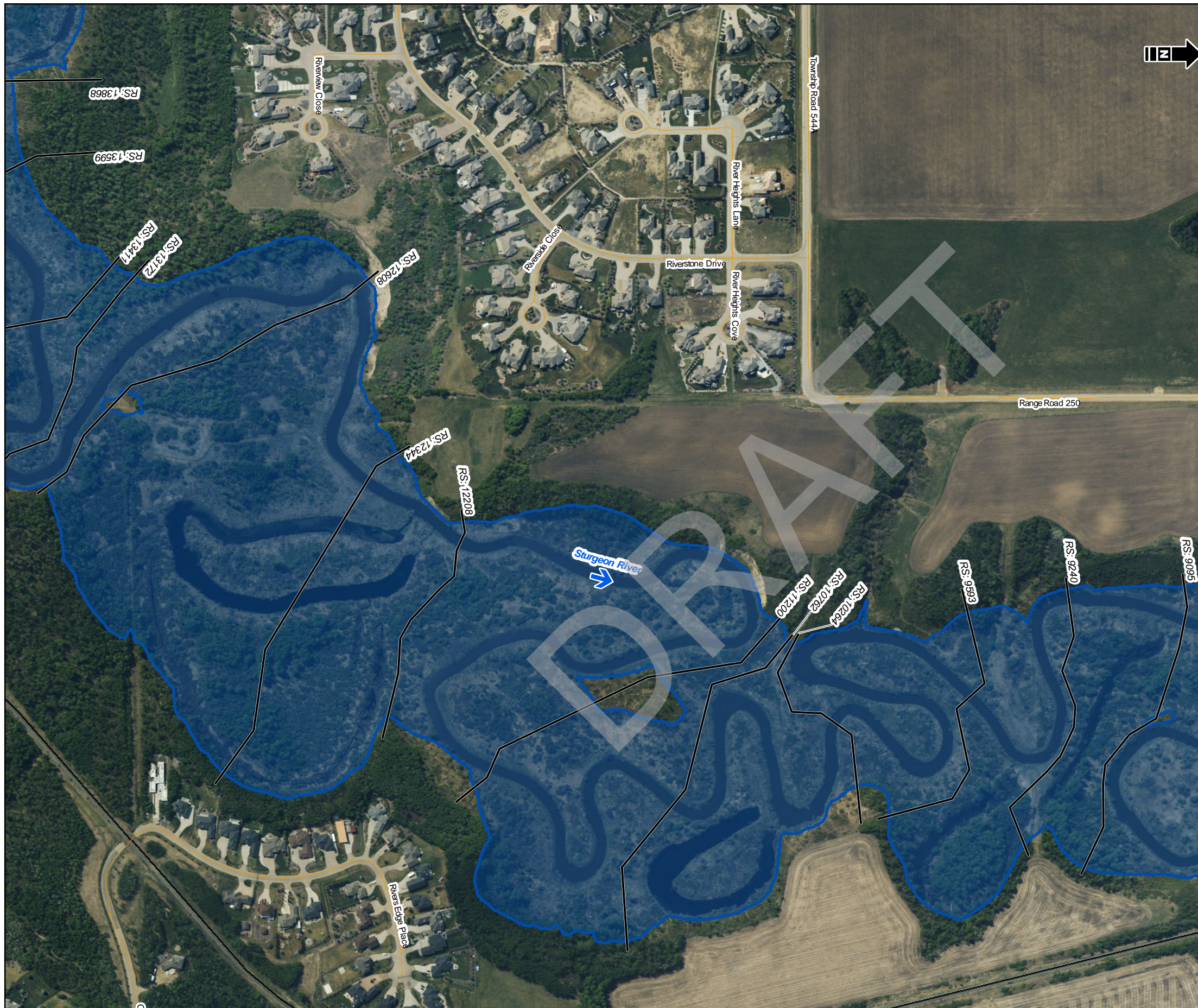
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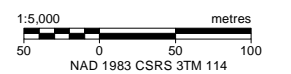
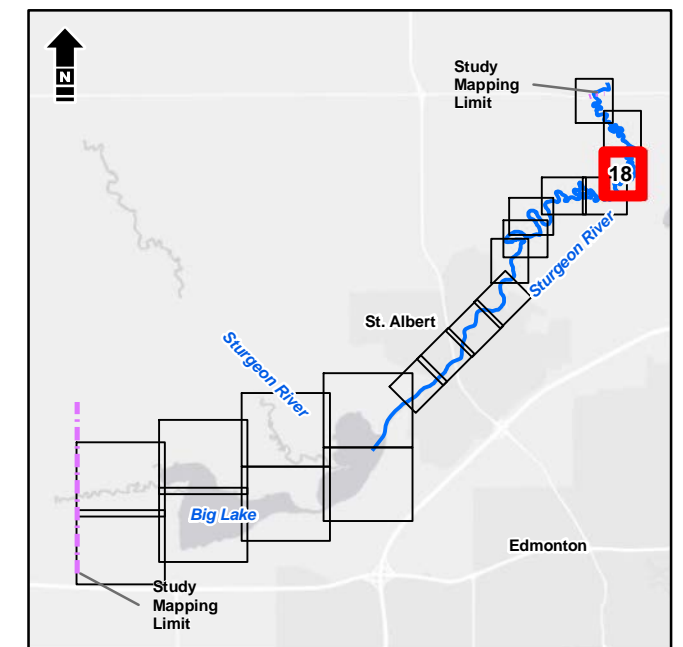
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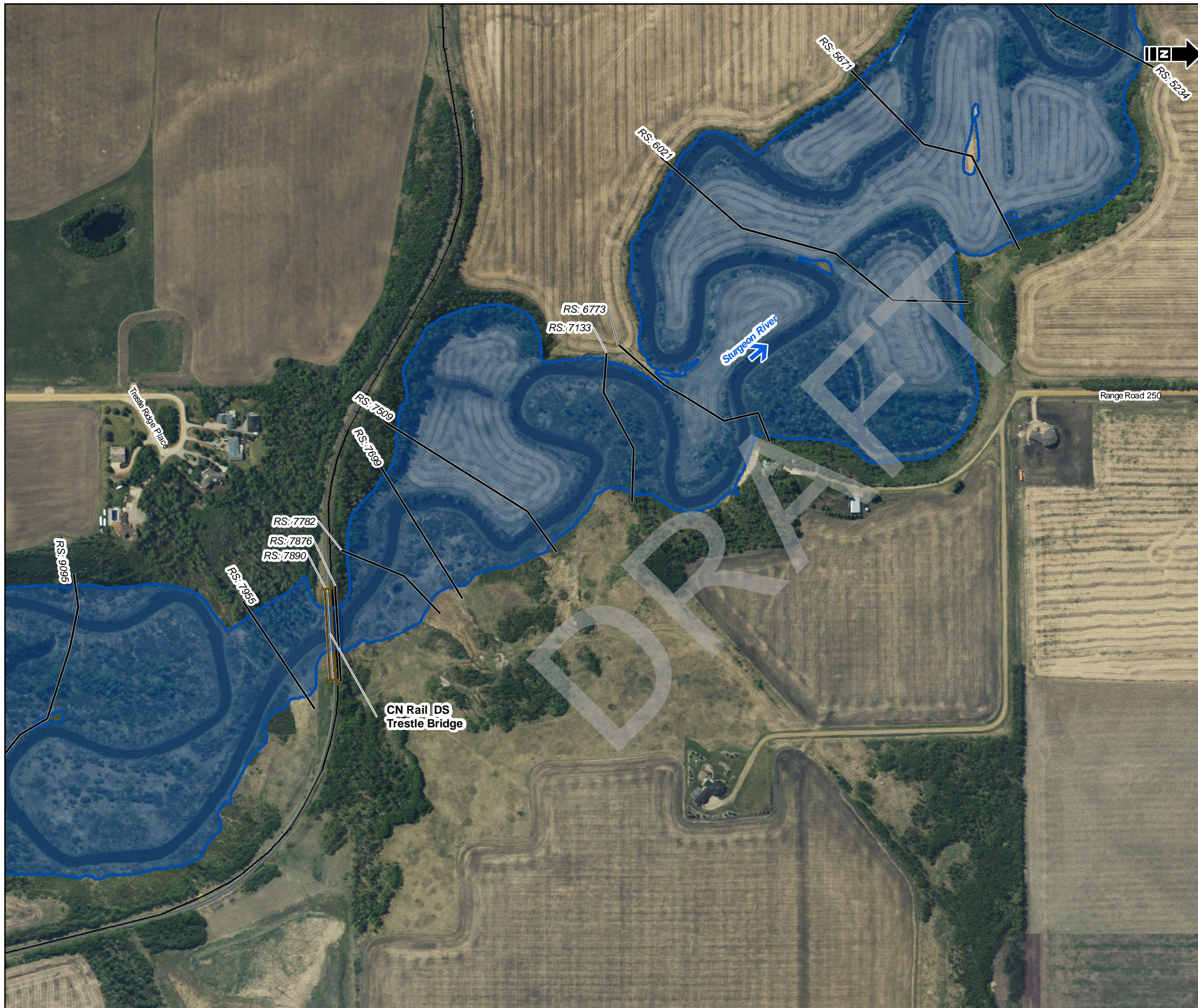
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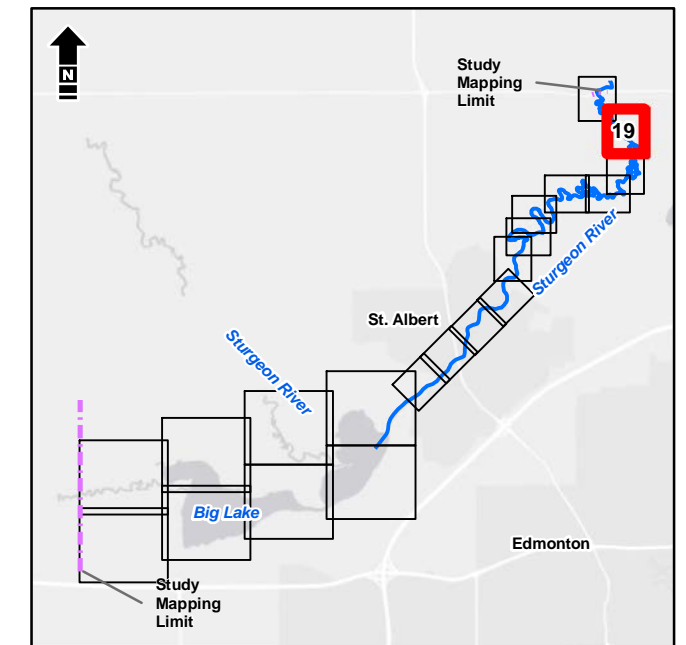
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**DISCHARGE**  
Sturgeon River = 90 m<sup>3</sup>/s



1:5,000 metres  
0 50 100  
NAD 1983 CSRS 3TM 114

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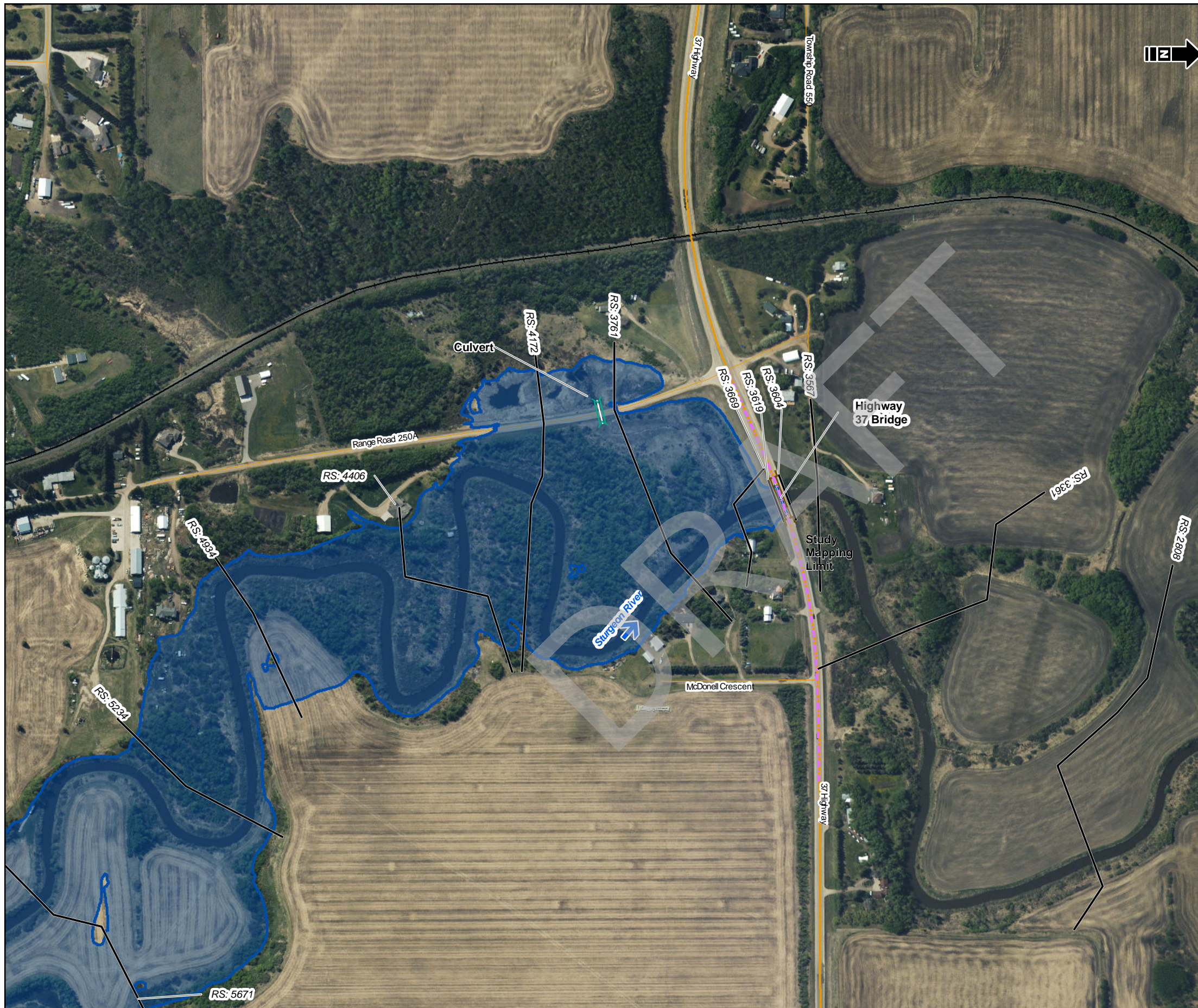
Alberta Government  
St. Albert Flood Hazard Study

**Open Water Flood Inundation  
Mapbook | 100-Year**

Date: March 2020 Project: 28312 Submitter: P. Rogers Reviewer: M. Shome

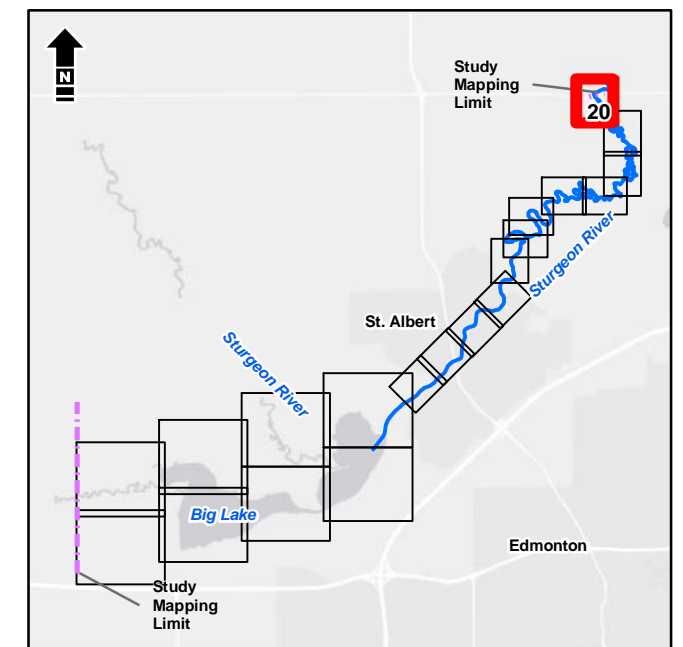
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  - Municipal Boundary (Rural)
  - Major Road
  - Local Road
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  - Flow Direction
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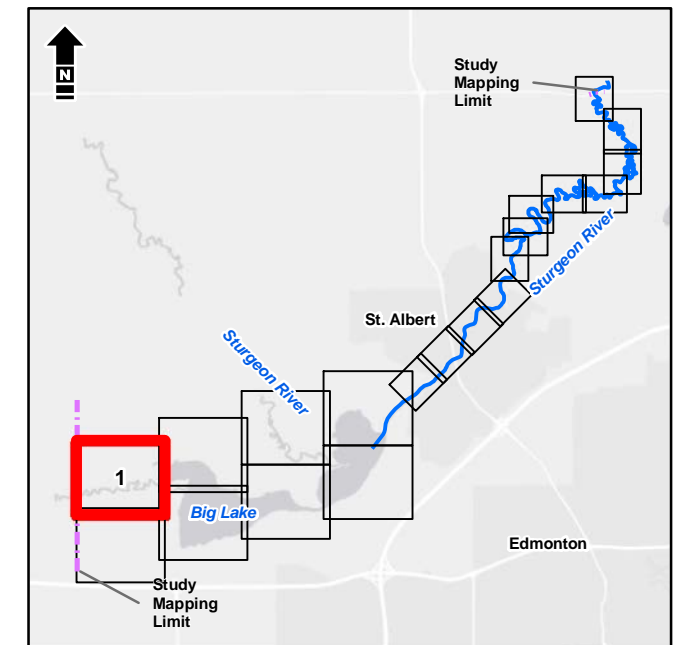
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1:10,000 metres  
 100 0 100 200  
 NAD 1983 CSRS 3TM 114

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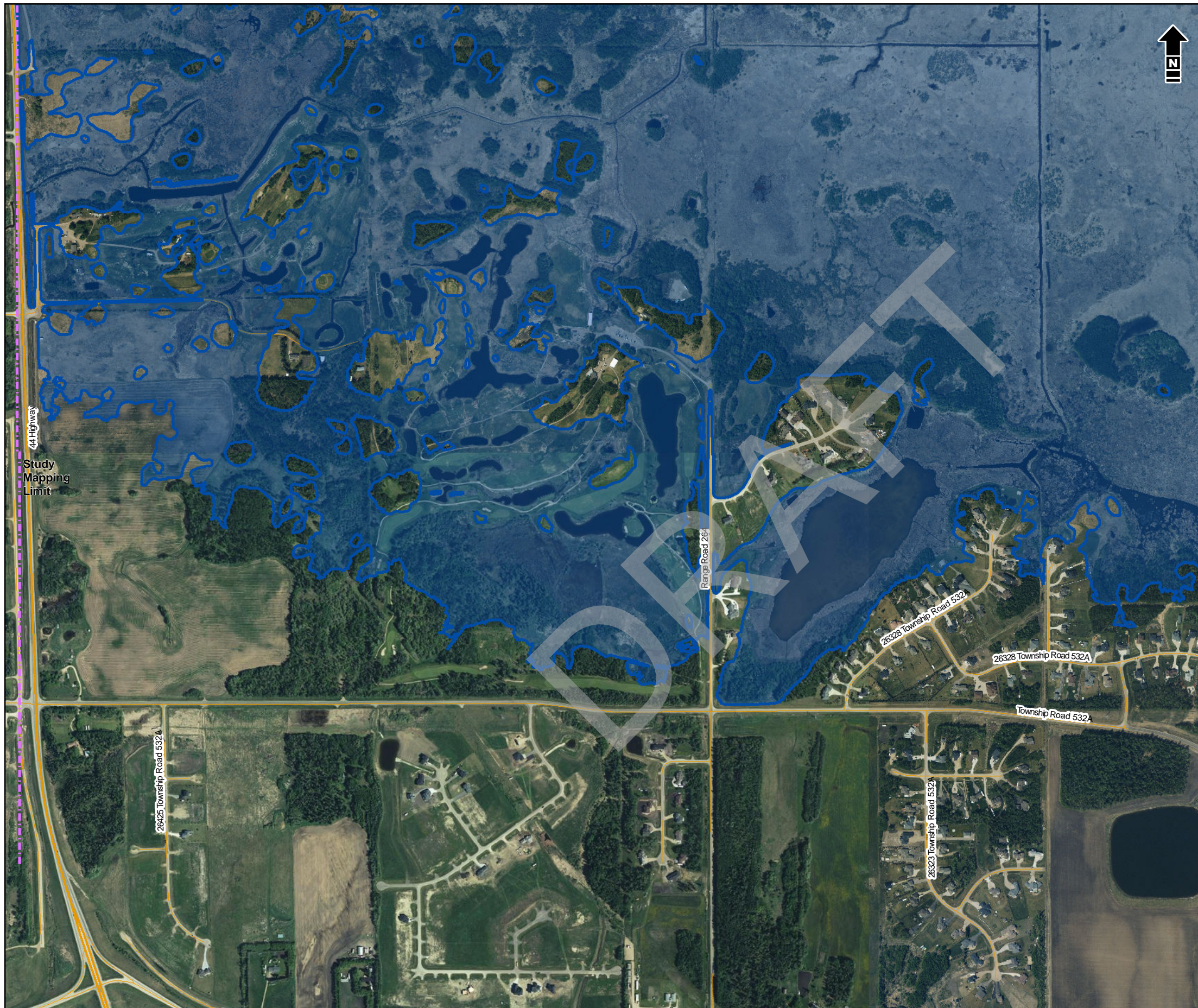
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**Open Water Flood Inundation  
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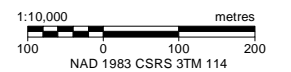
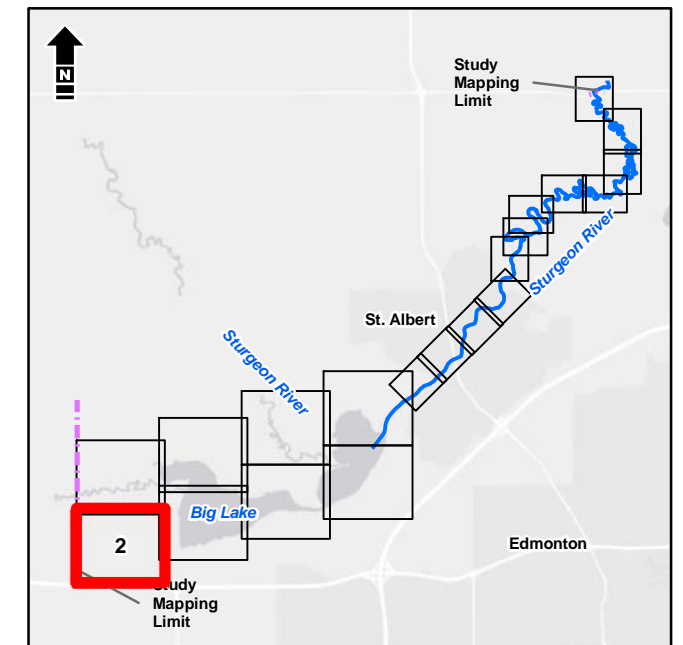
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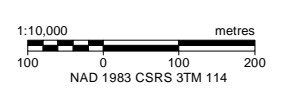
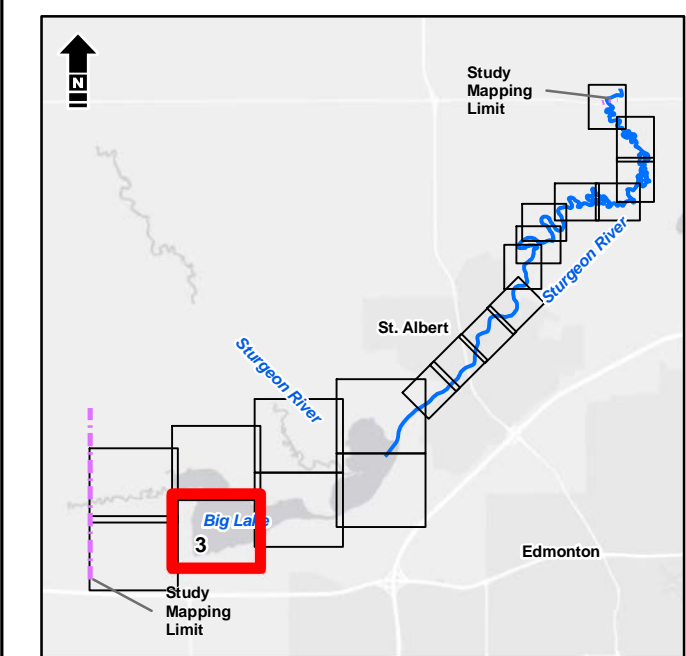
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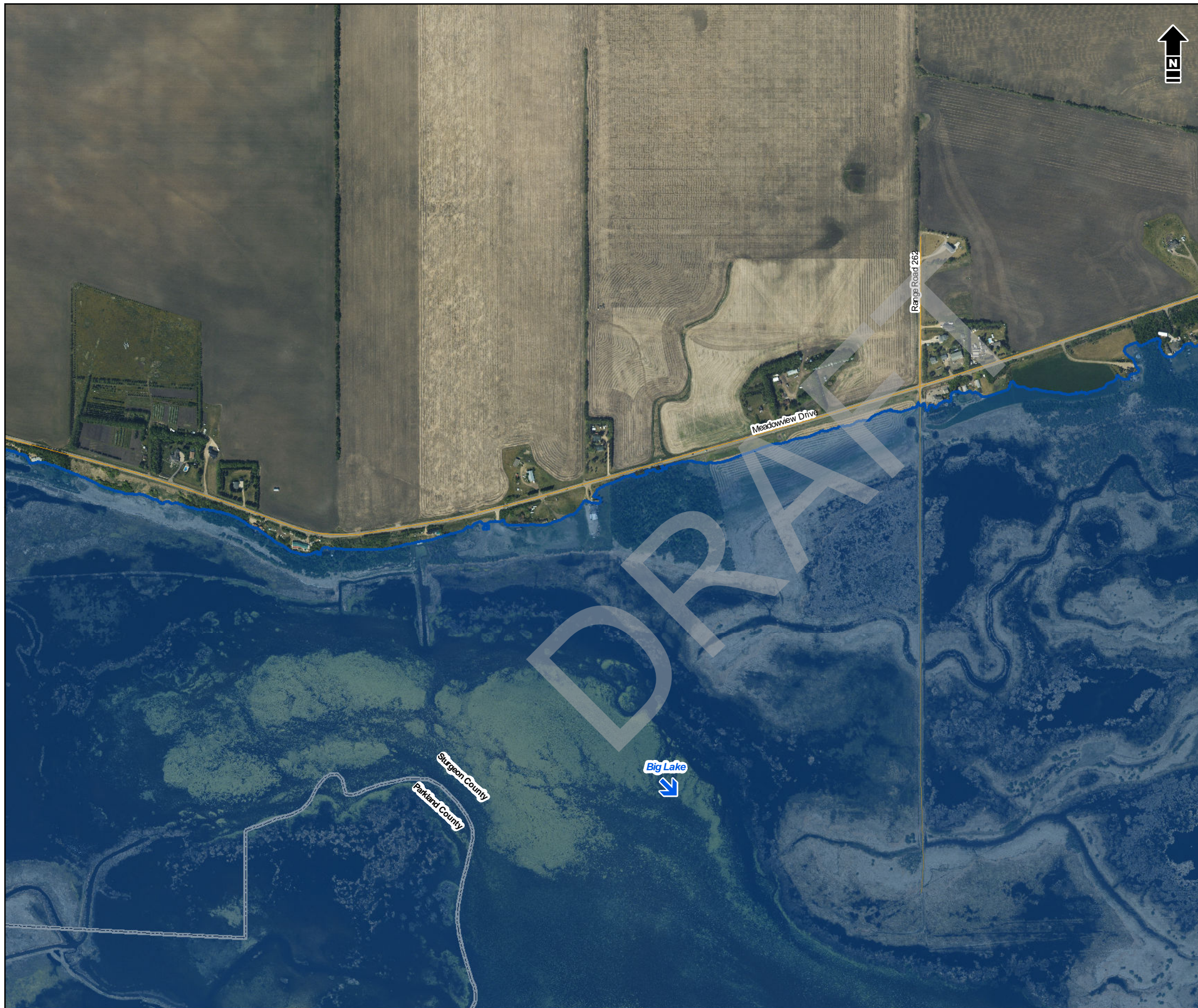
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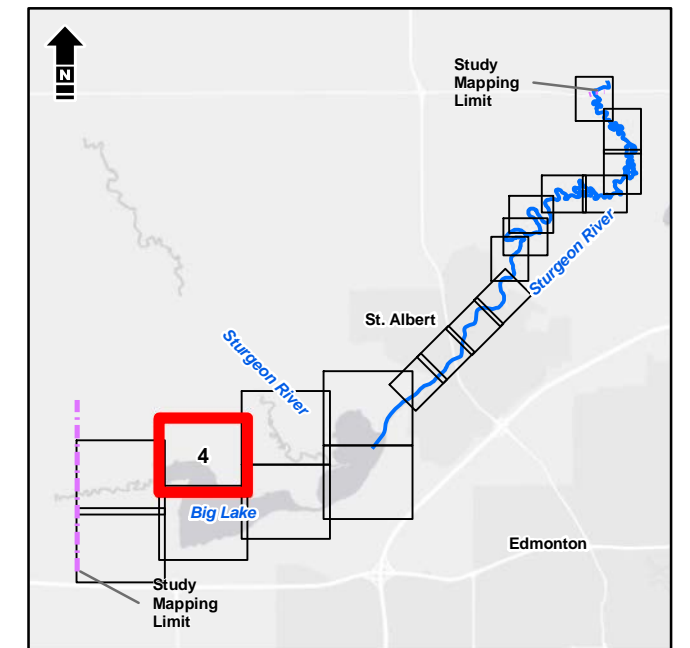
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1:10,000 metres  
 100 0 100 200  
 NAD 1983 CSRS 3TM 114

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 Mapbook | 200-Year**

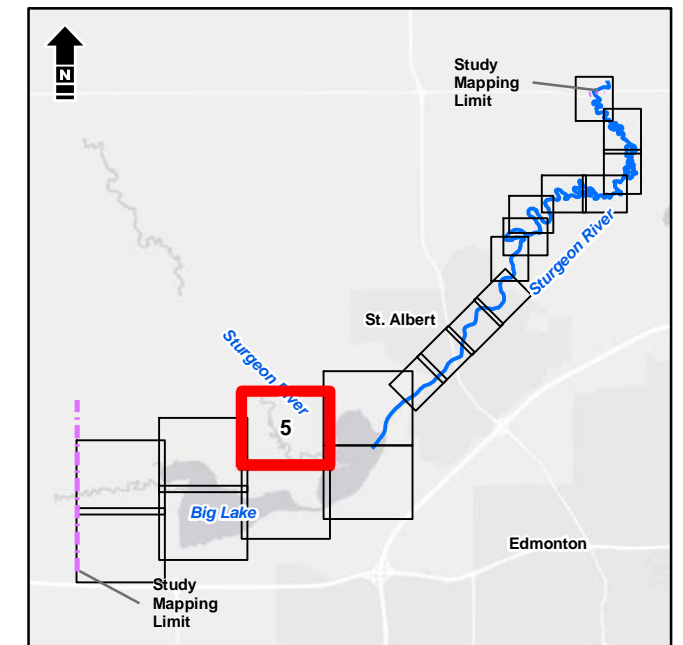
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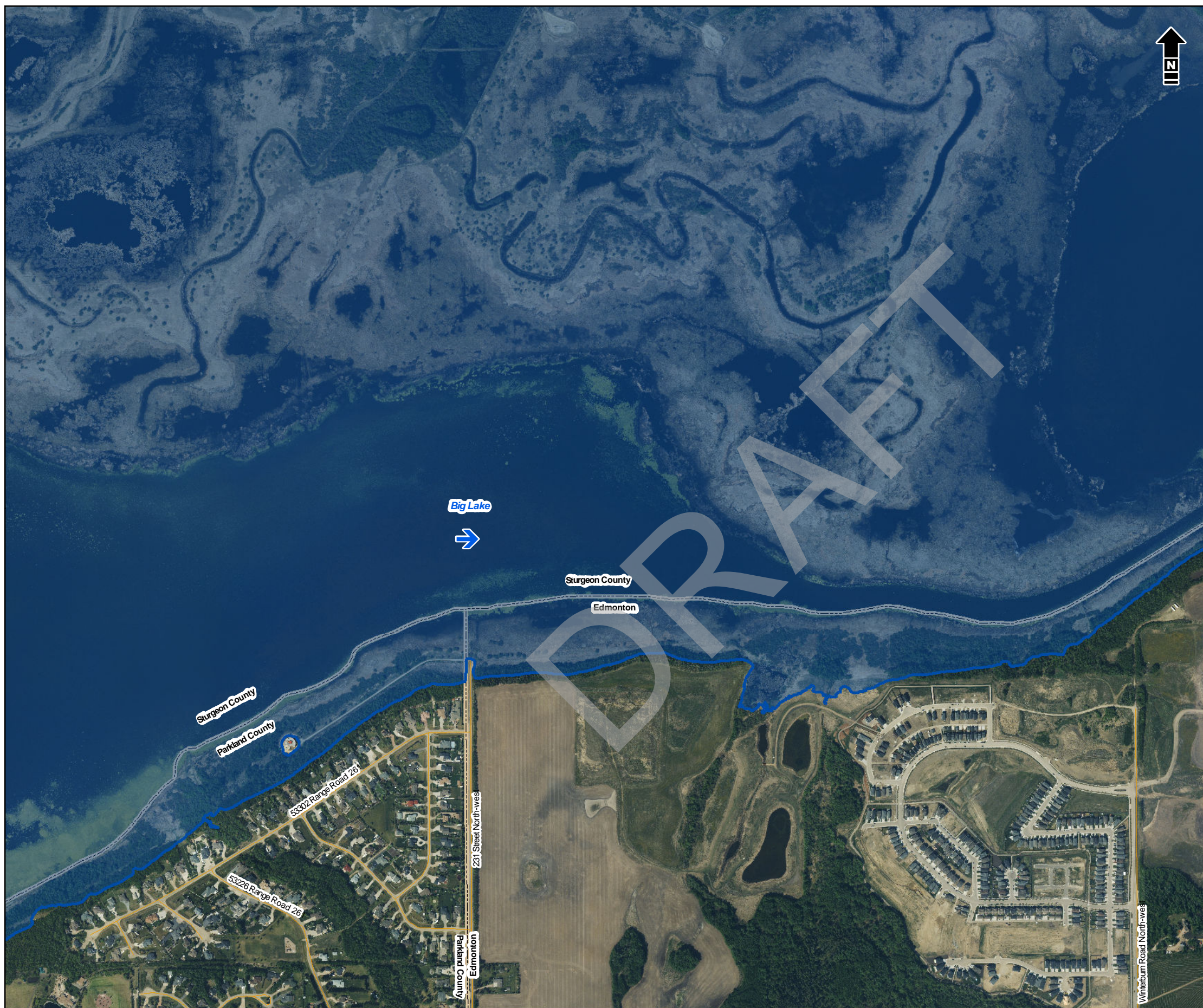
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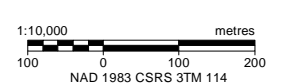
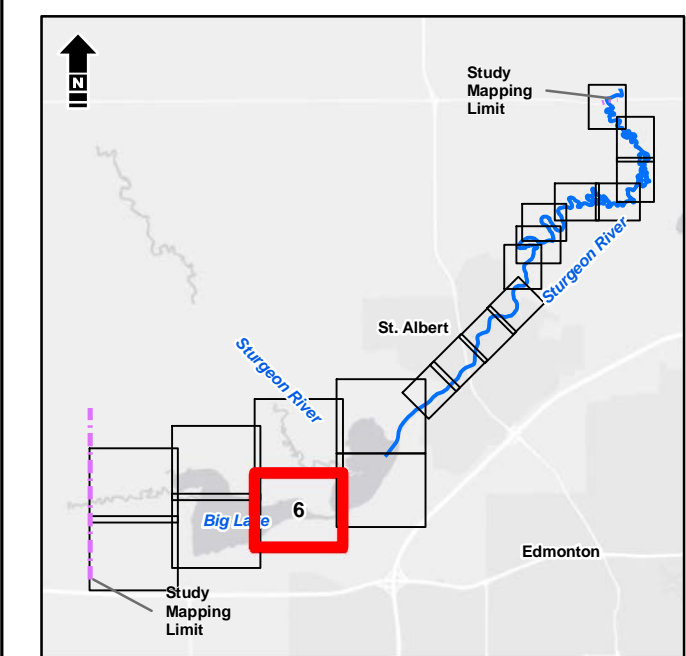
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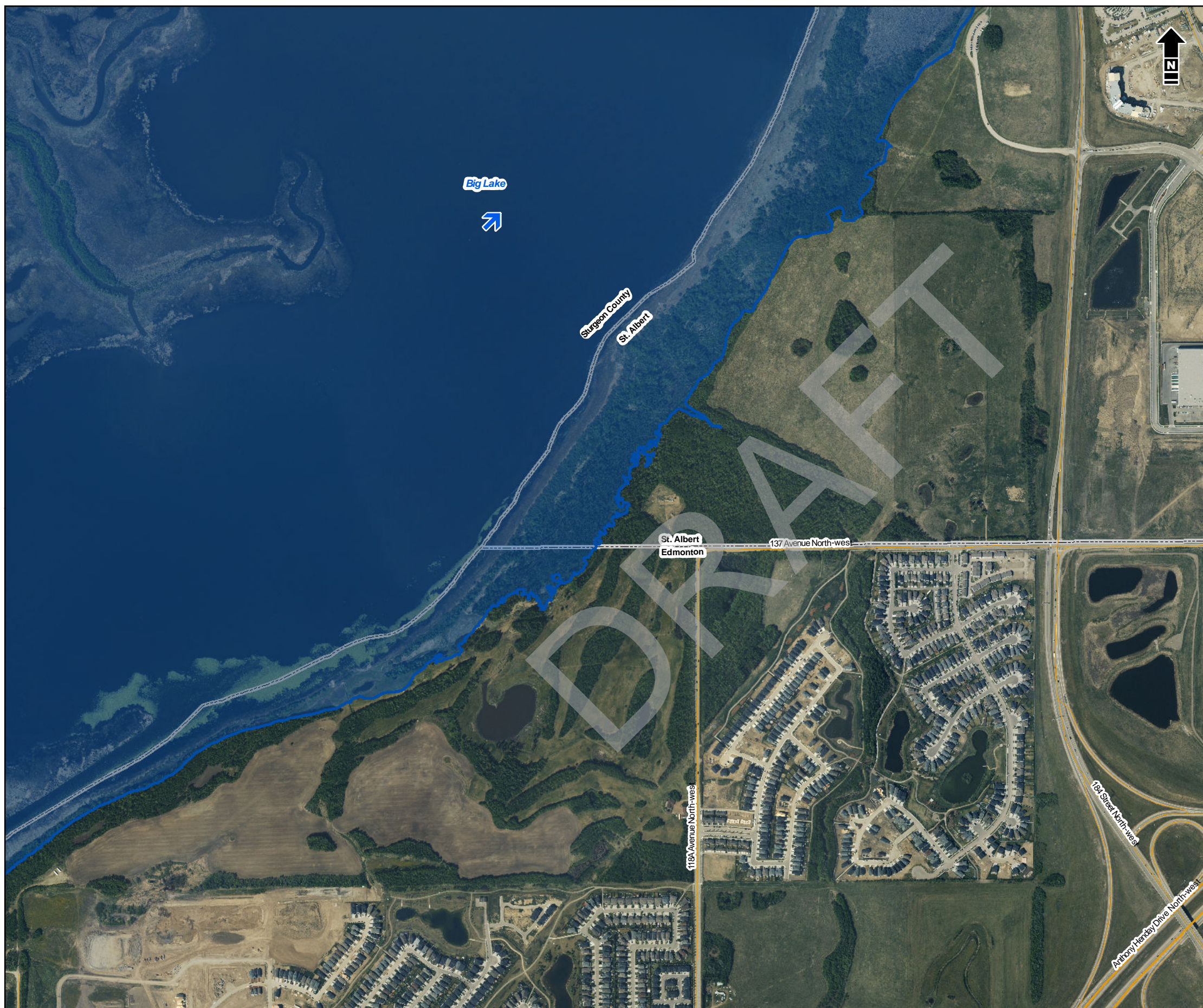
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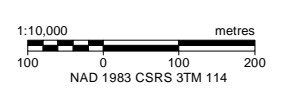
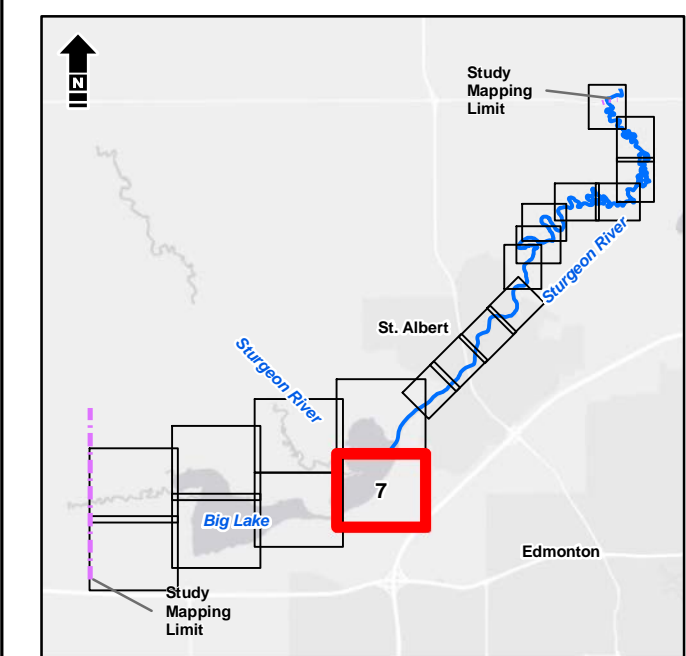
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St. Albert Flood Hazard Study

### Open Water Flood Inundation Mapbook | 200-Year

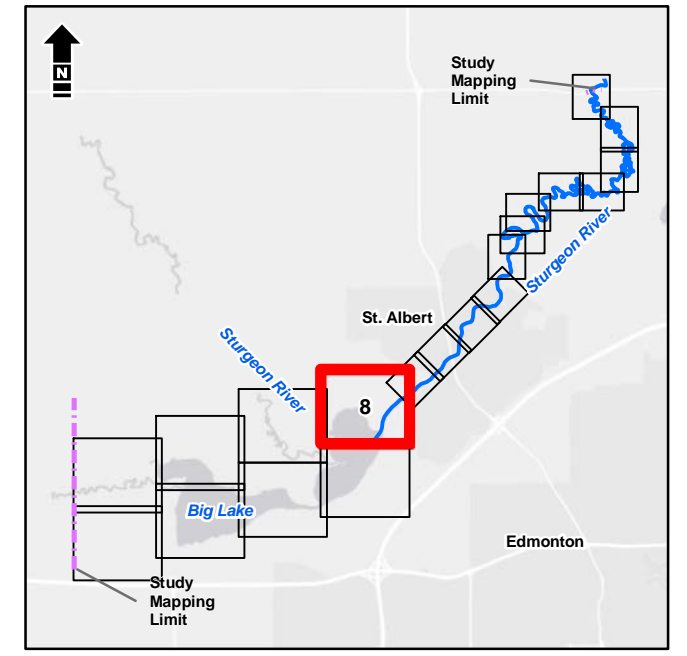
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1:10,000 metres  
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 NAD 1983 CSRS 3TM 114



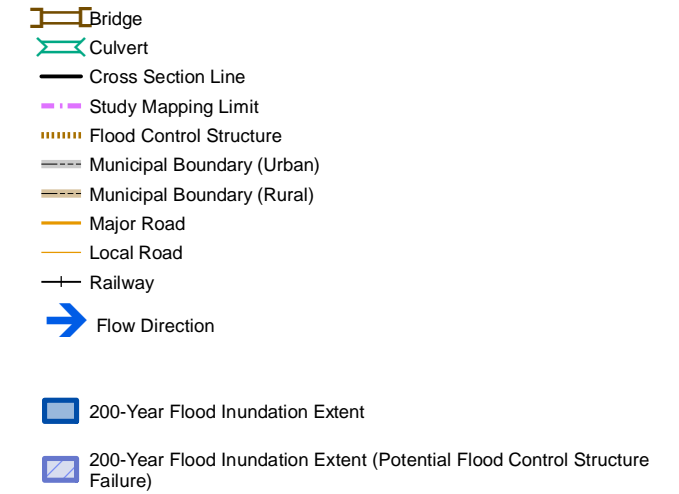
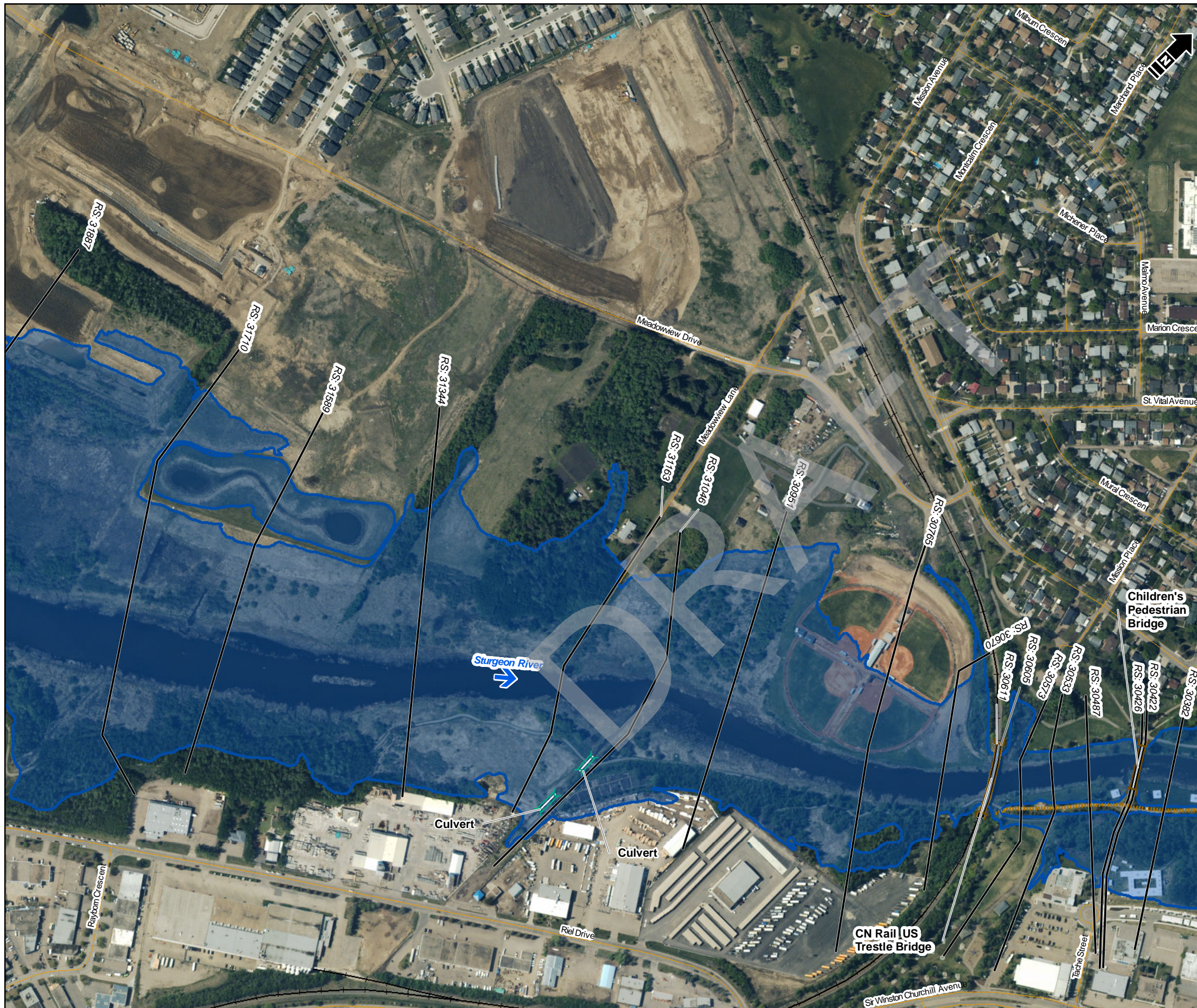
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**Open Water Flood Inundation  
 Mapbook | 200-Year**

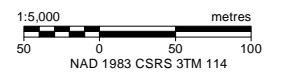
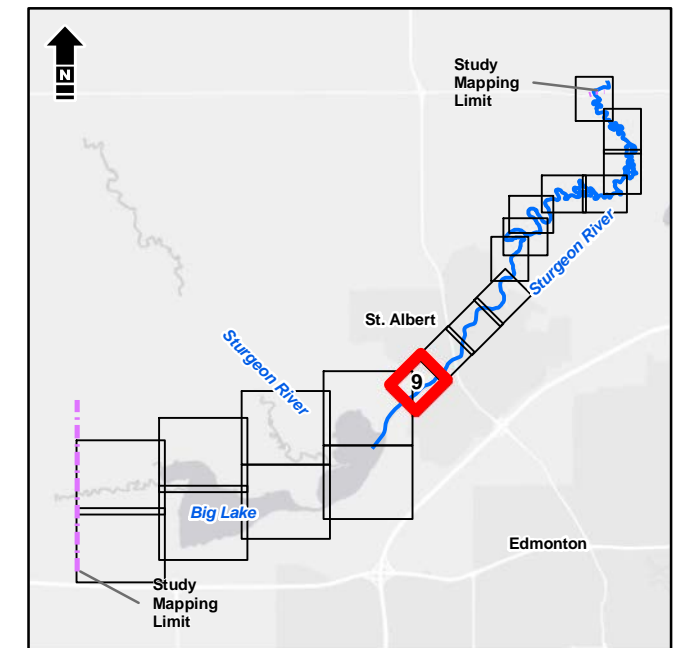
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**DISCHARGE**  
Sturgeon River = 110 m<sup>3</sup>/s



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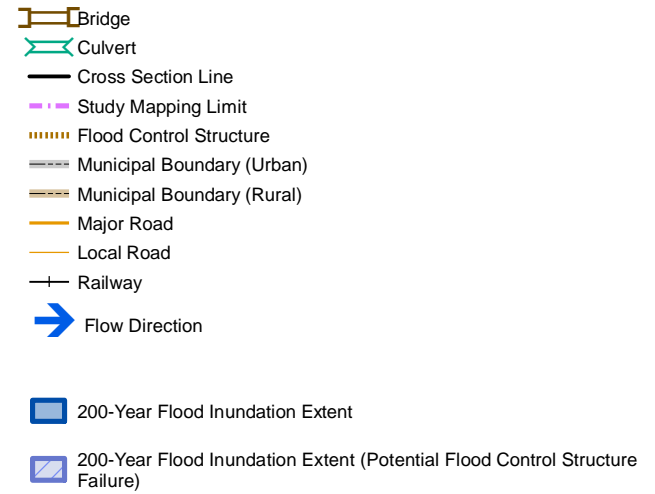
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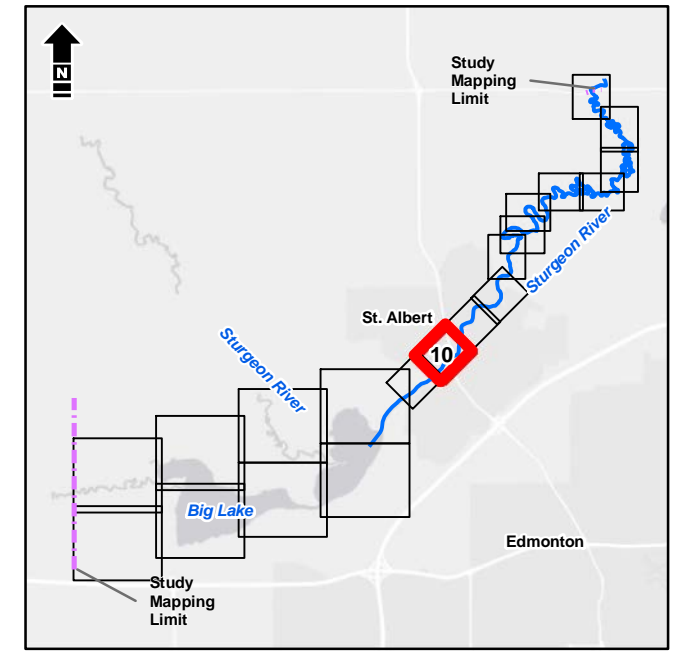
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1:5,000 metres  
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NAD 1983 CSRS 3TM 114



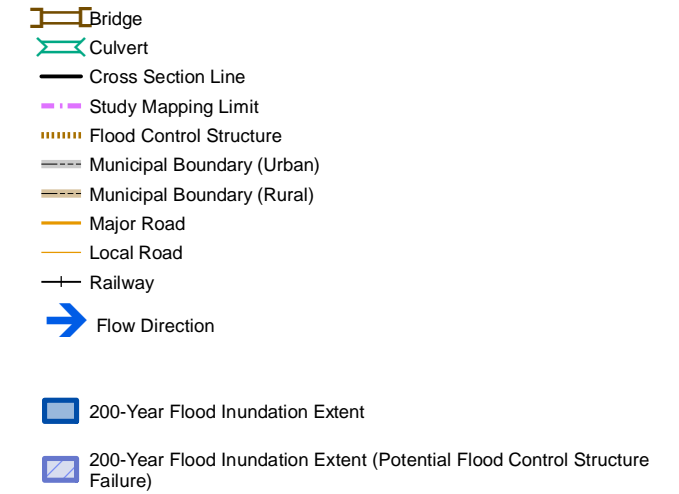
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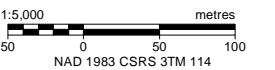
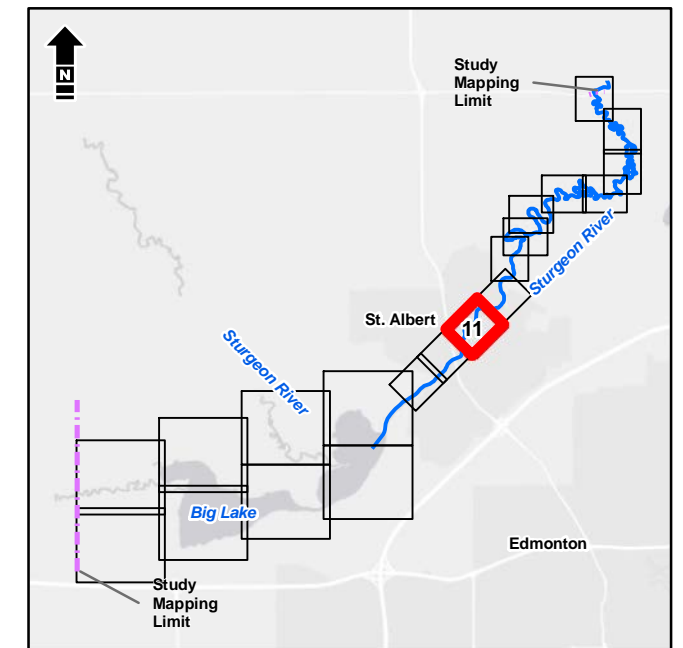
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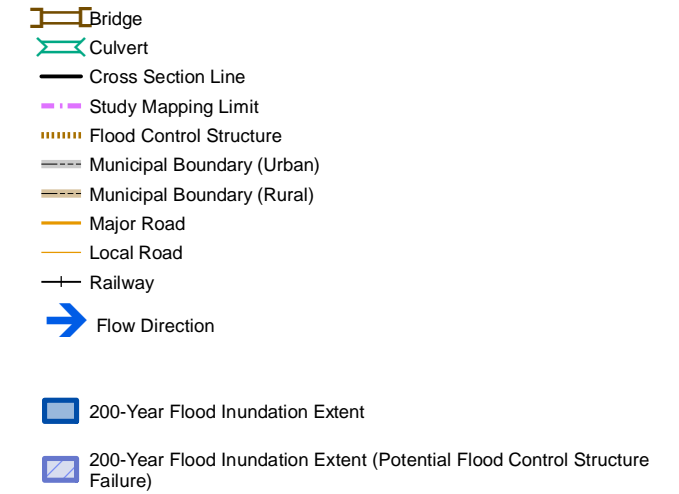
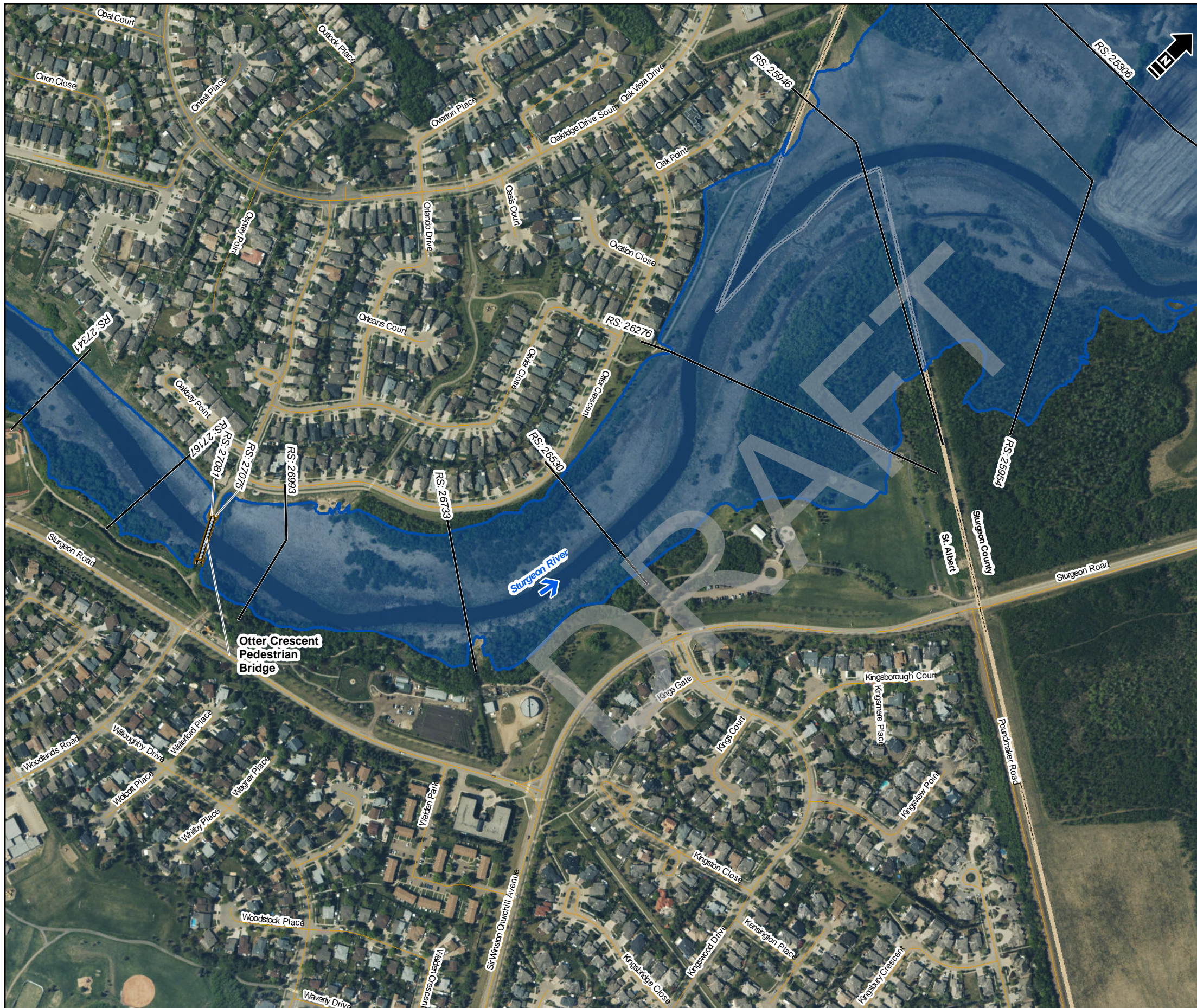
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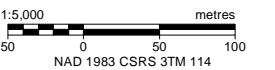
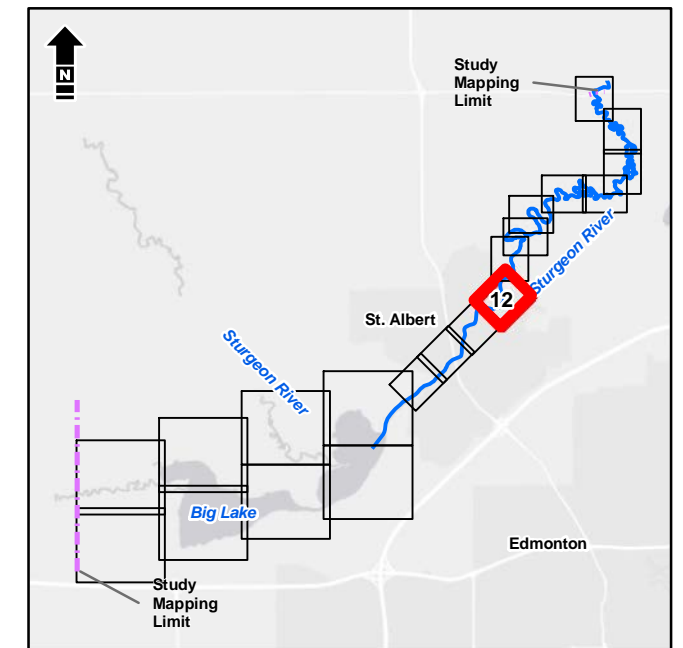
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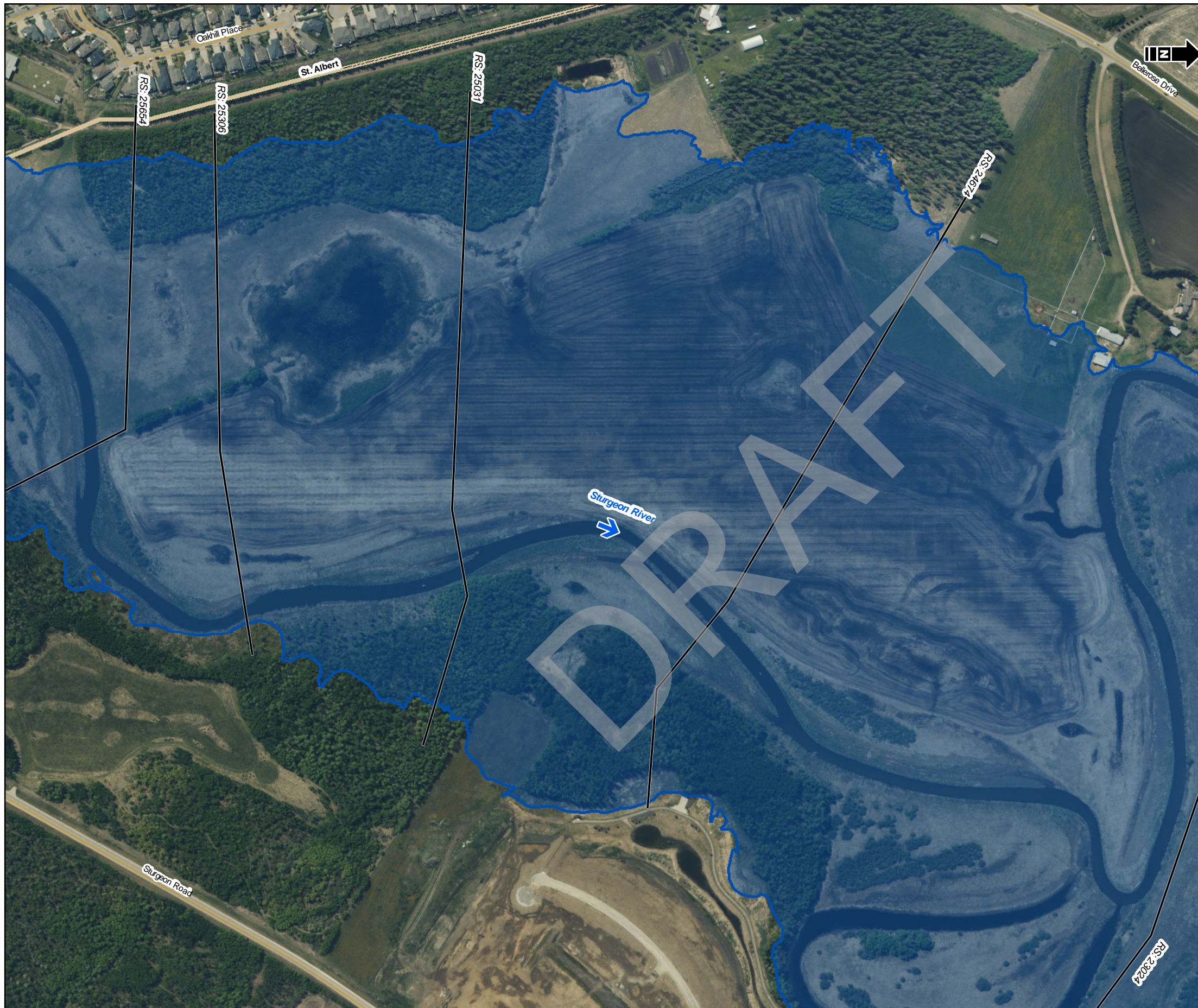
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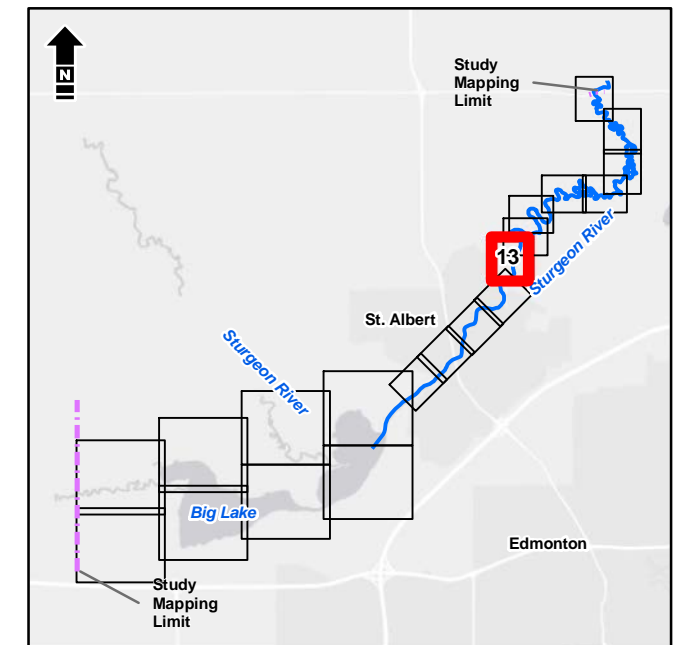
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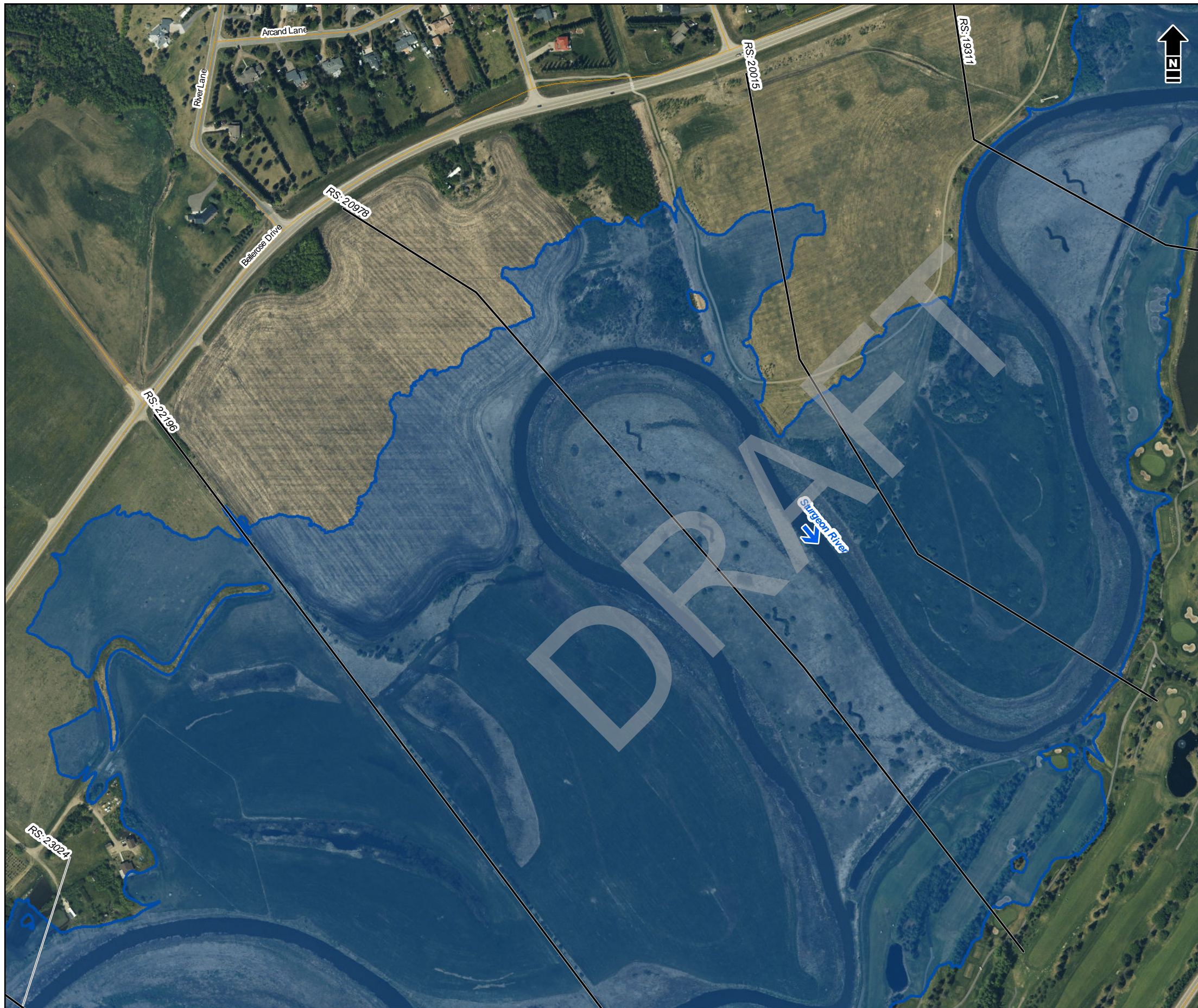
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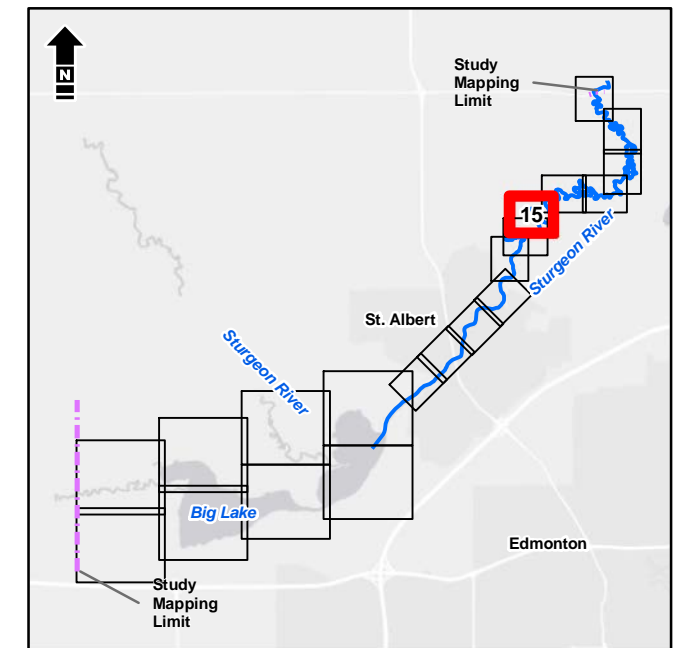






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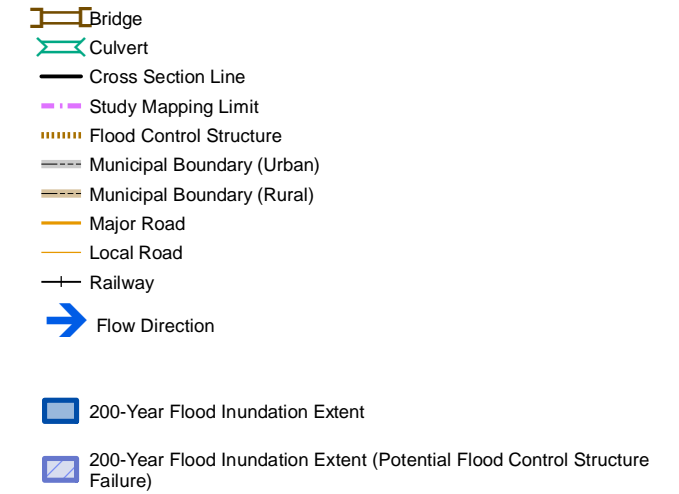
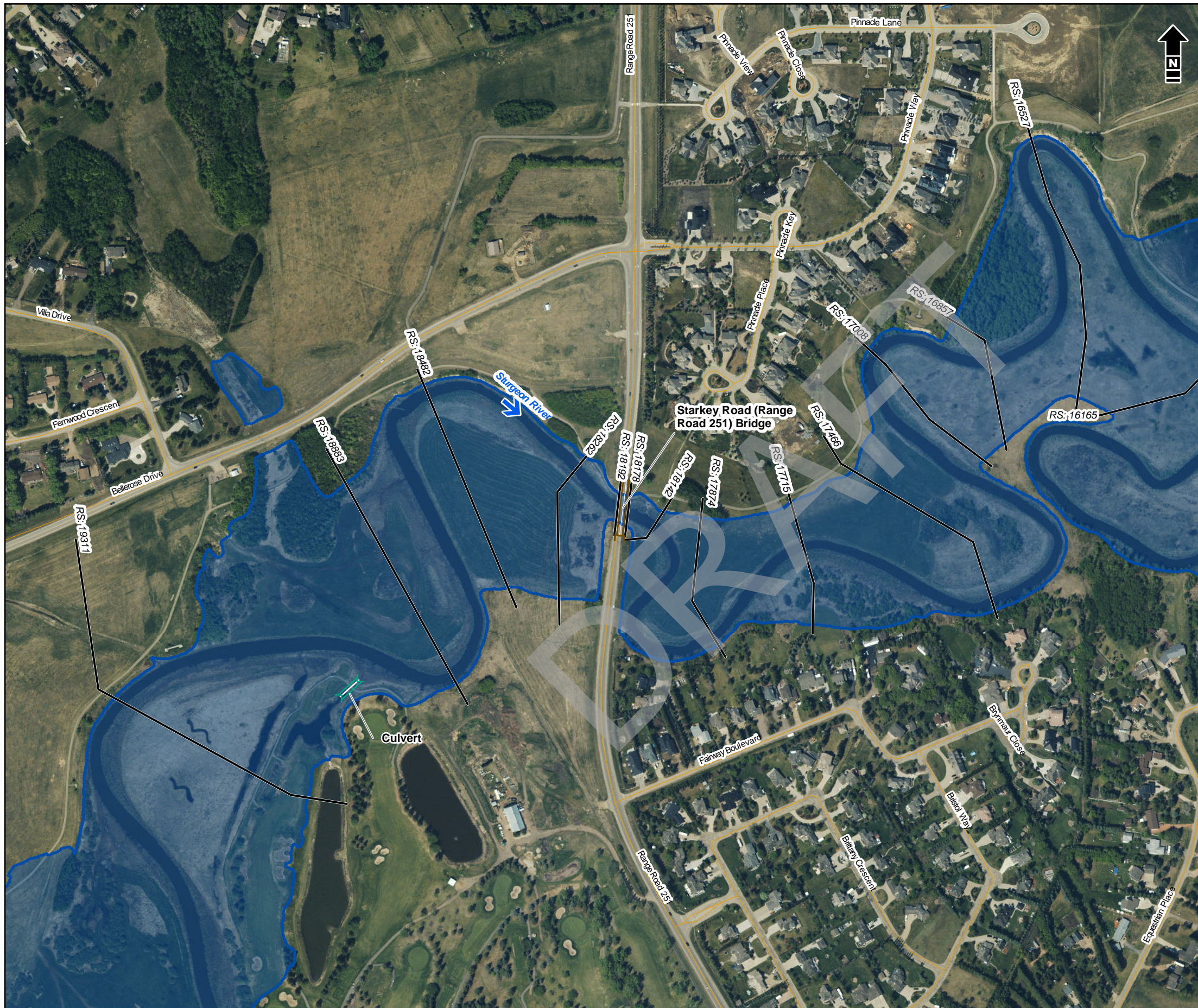
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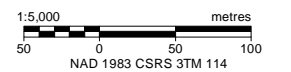
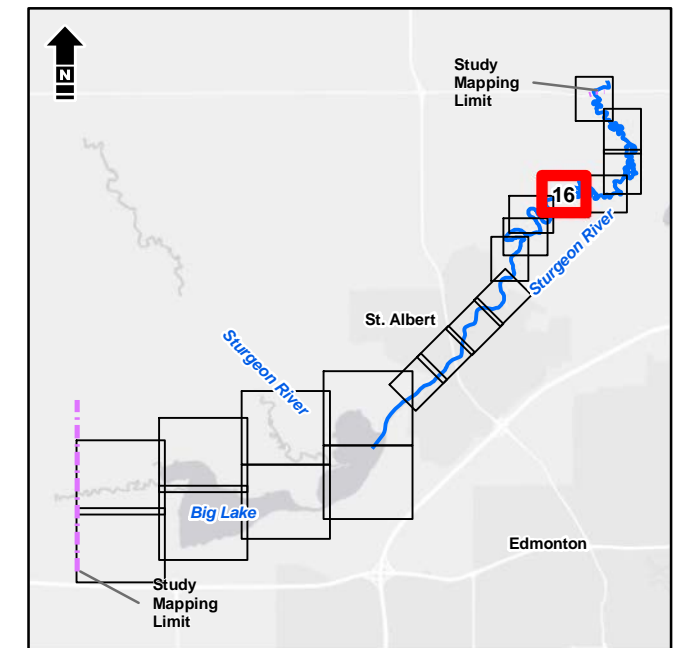
Date: March 2020 Project: 28312 Submitter: P. Rogers Reviewer: M. Shome

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**DISCHARGE**  
Sturgeon River = 110 m<sup>3</sup>/s



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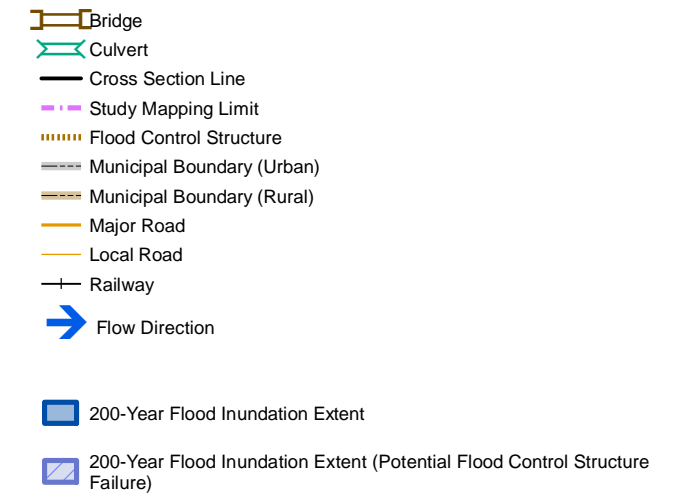
Alberta Government  
St. Albert Flood Hazard Study

**Open Water Flood Inundation  
Mapbook | 200-Year**

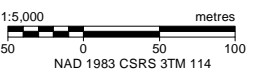
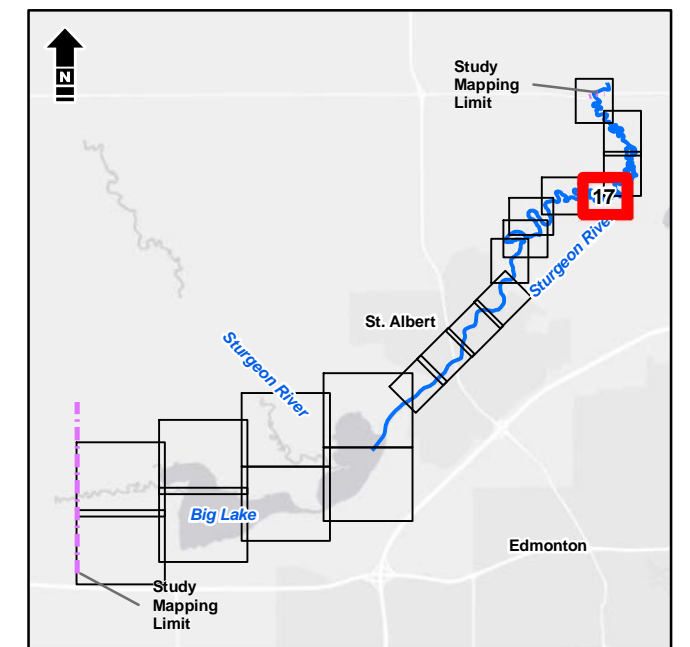
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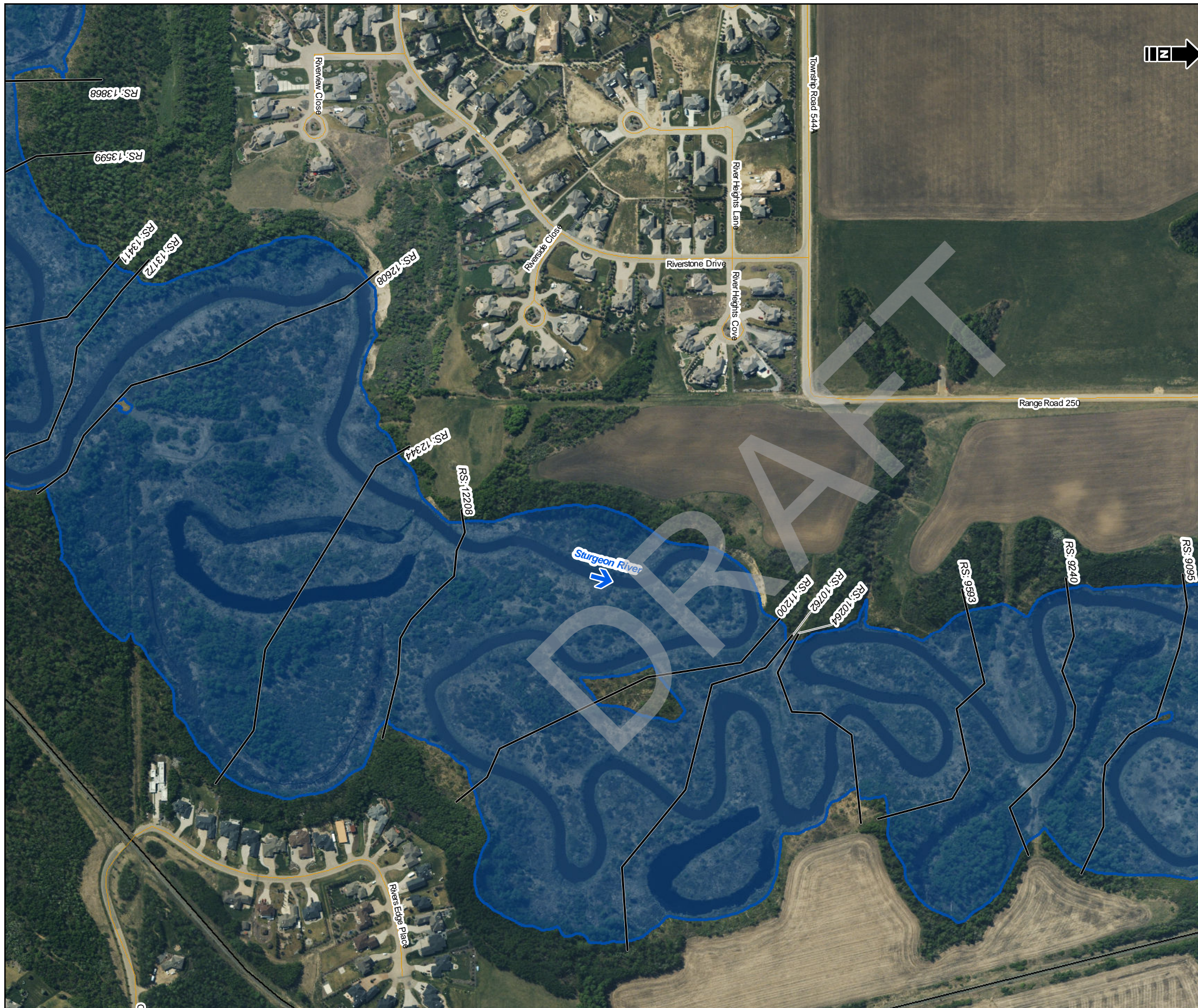
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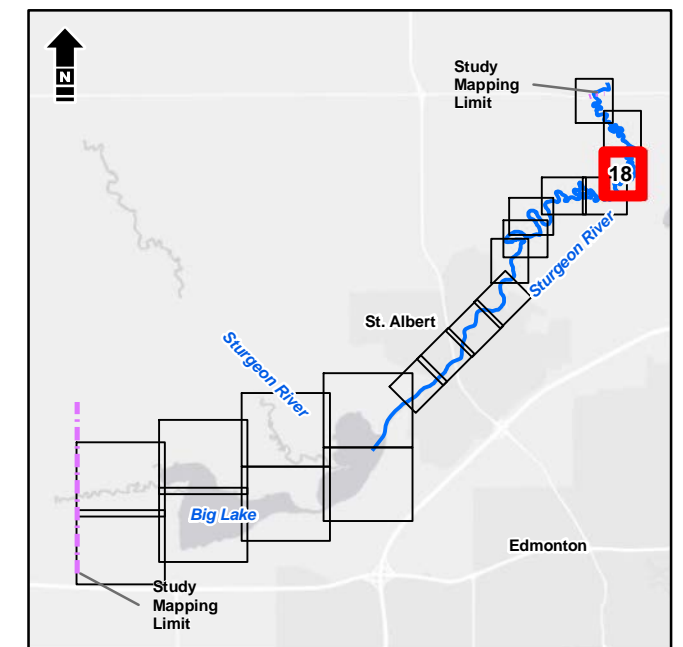
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- 200-Year Flood Inundation Extent
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1:5,000 metres  
0 50 100  
NAD 1983 CSRS 3TM 114

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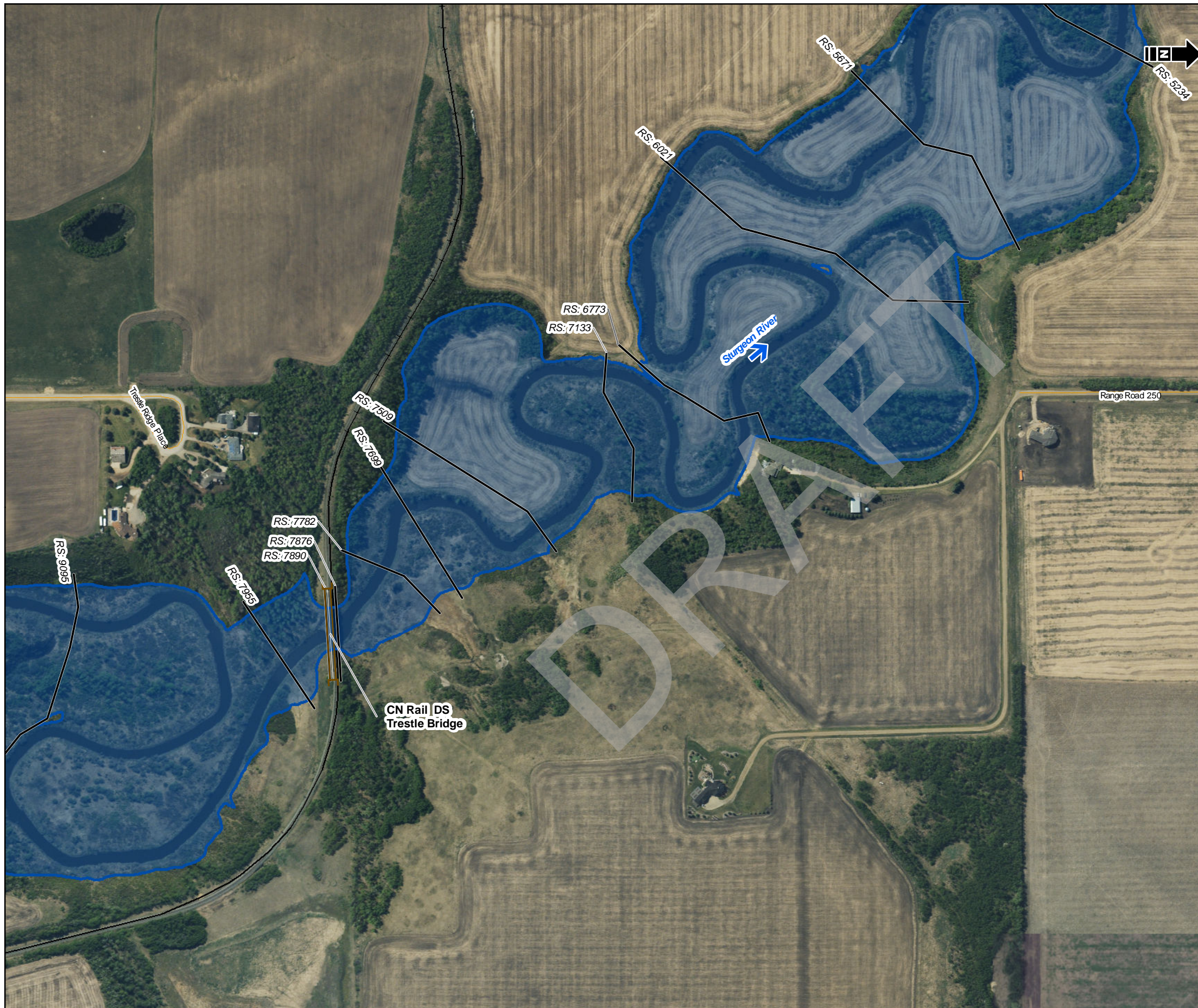
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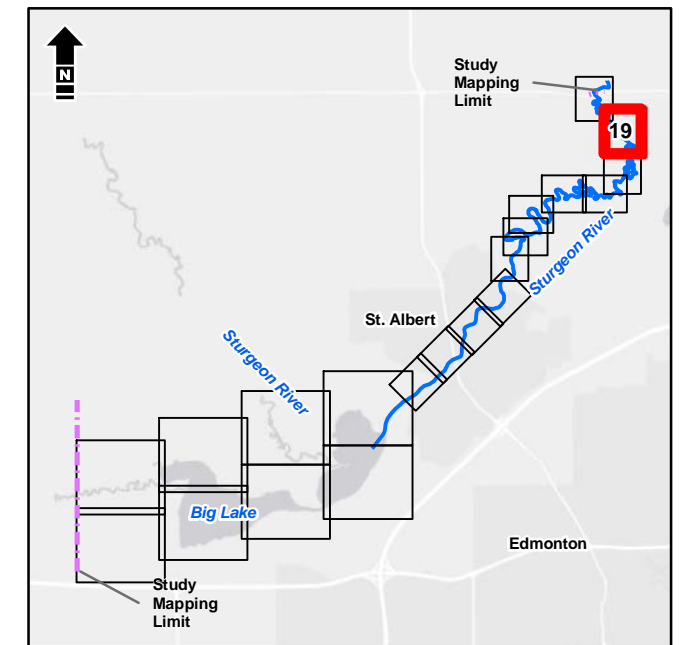
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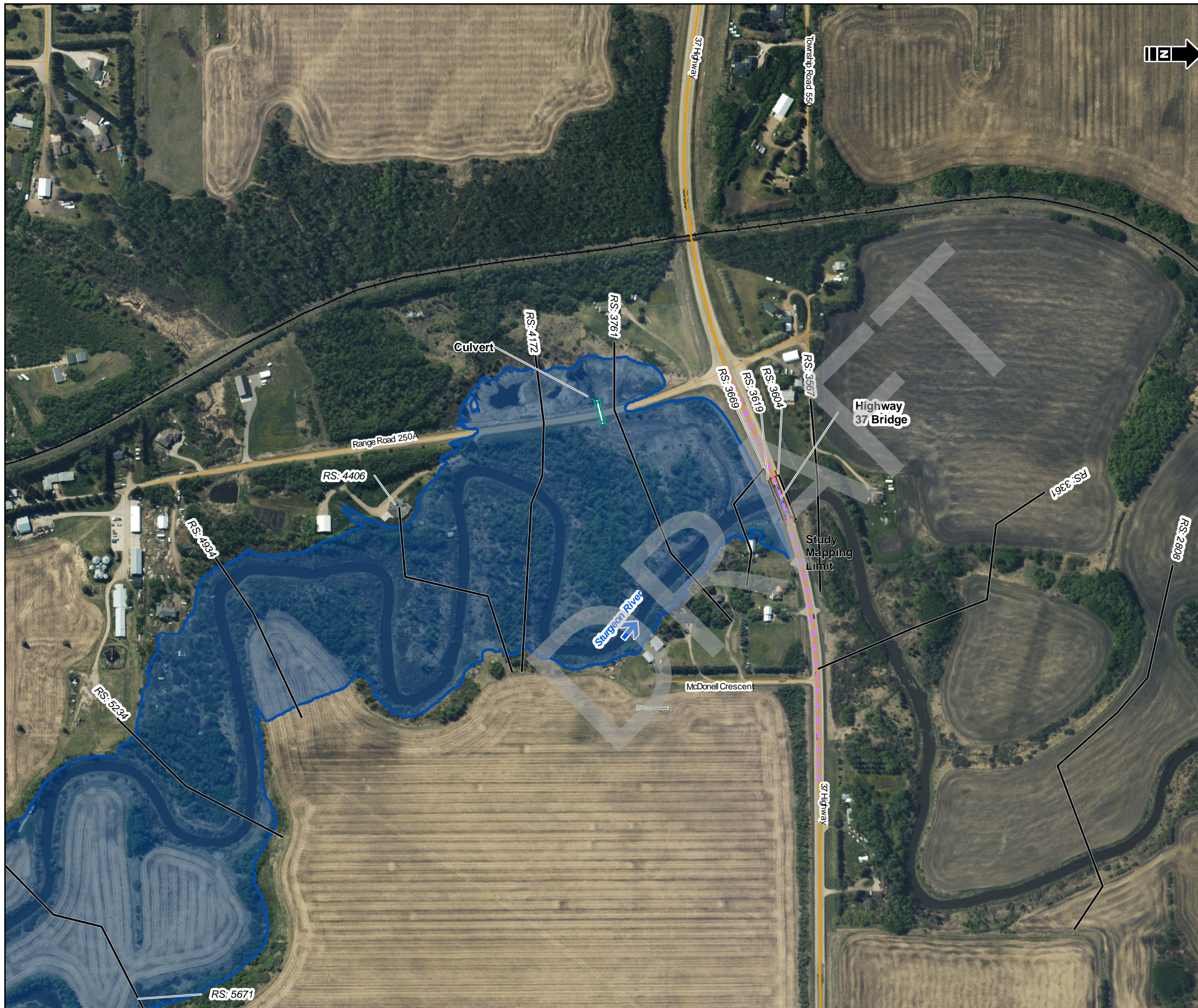
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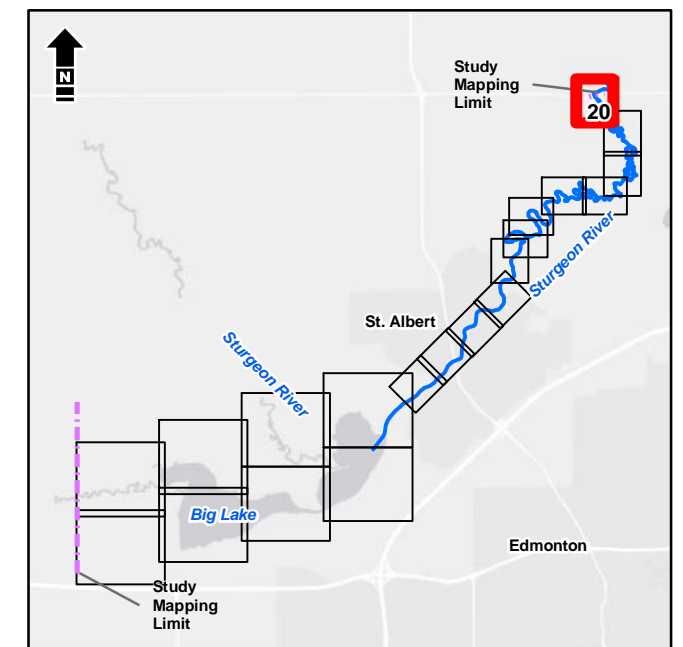
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0 50 100  
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**Open Water Flood Inundation  
Mapbook | 200-Year**

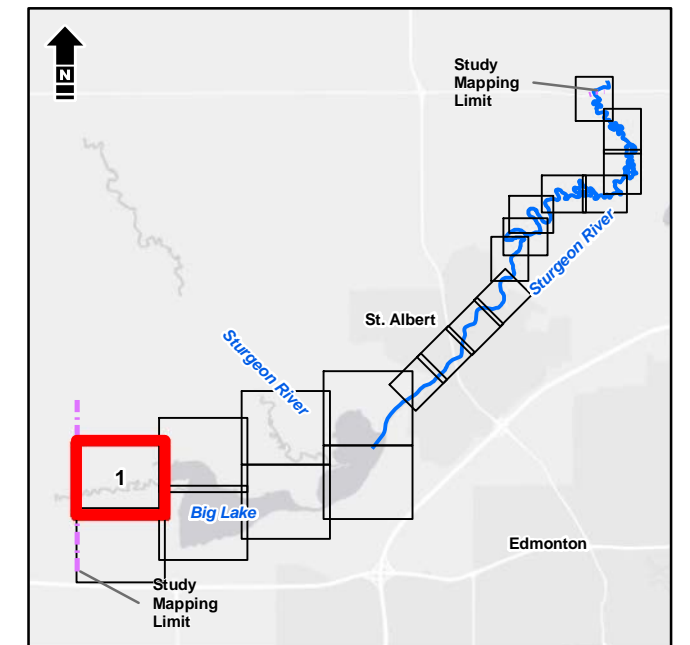
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 100 0 100 200  
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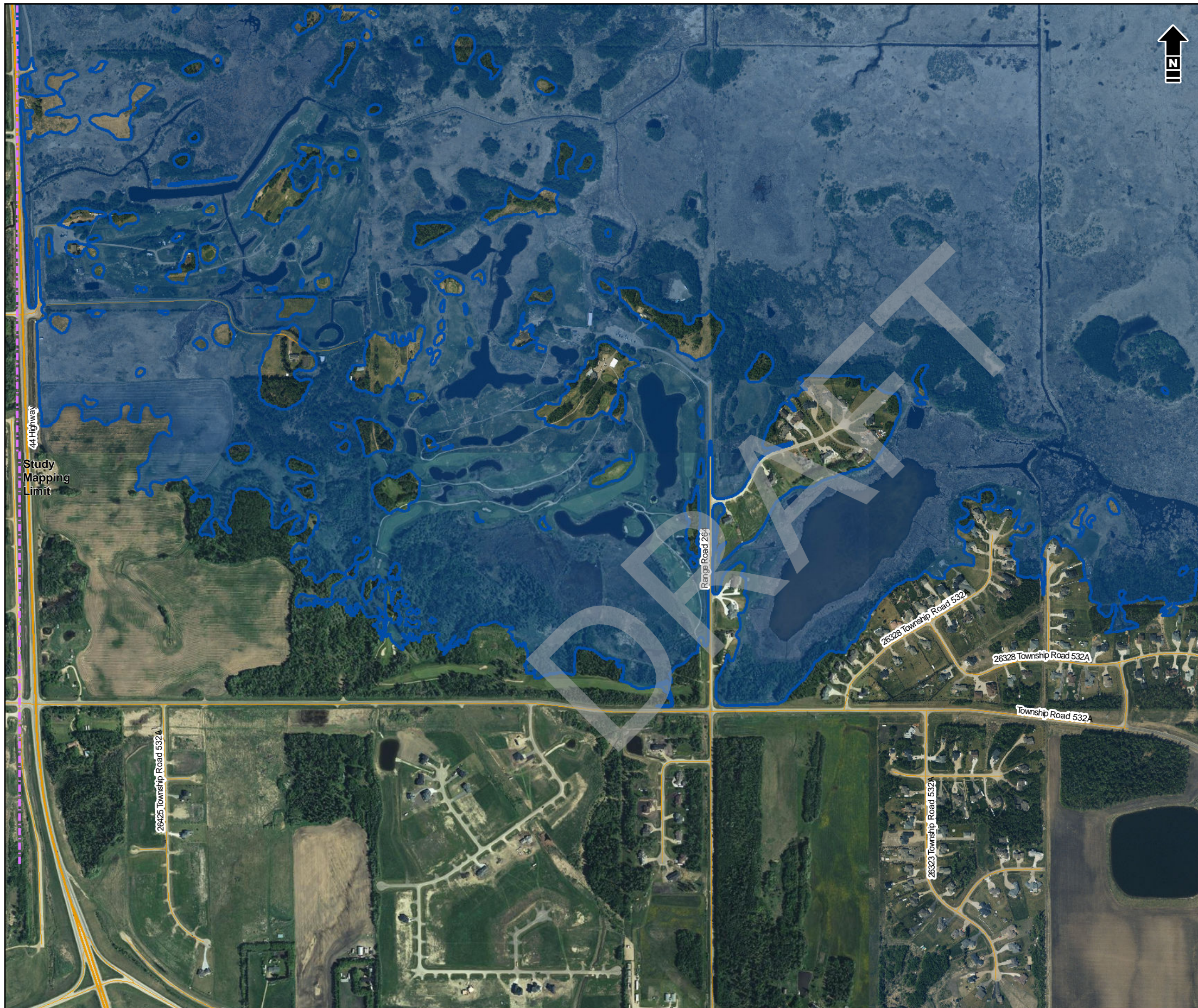
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 Mapbook | 350-Year**

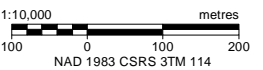
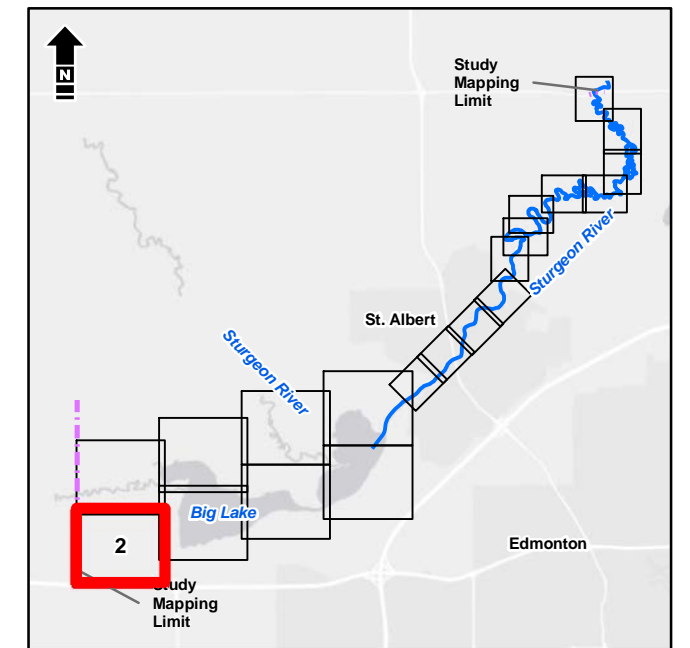
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 St. Albert Flood Hazard Study

**Open Water Flood Inundation  
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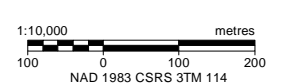
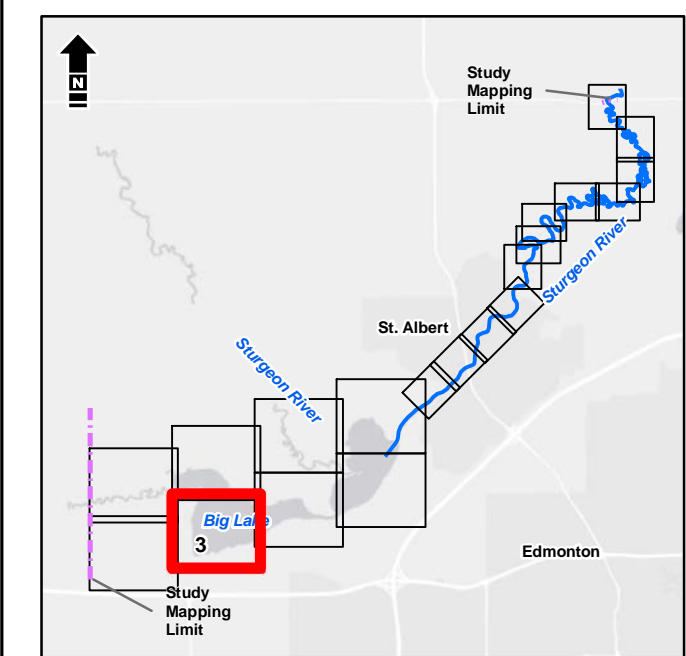
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St. Albert Flood Hazard Study

### Open Water Flood Inundation Mapbook | 350-Year

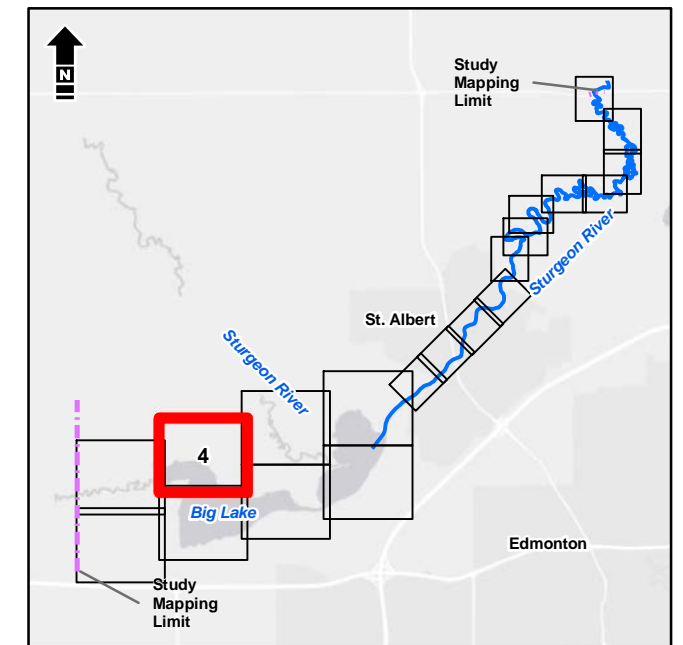
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1:10,000 metres  
 100 0 100 200  
 NAD 1983 CSRS 3TM 114

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Alberta Government  
 St. Albert Flood Hazard Study

**Open Water Flood Inundation  
 Mapbook | 350-Year**

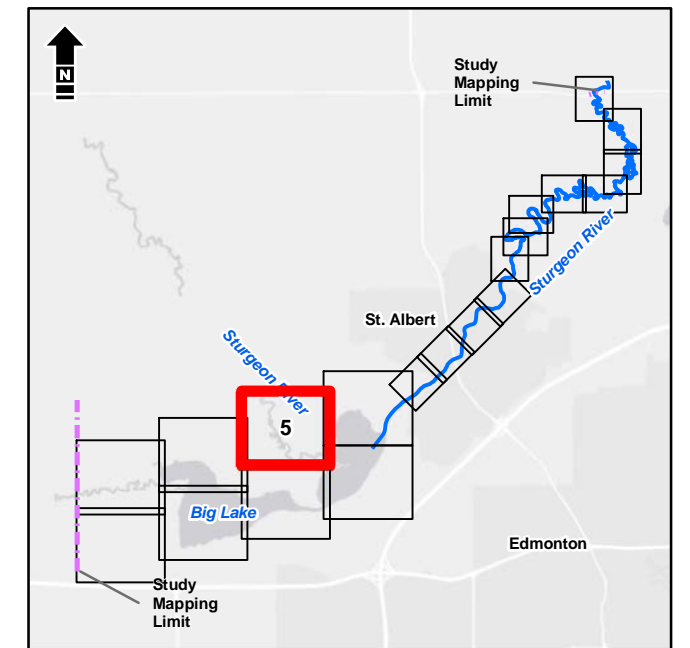
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 St. Albert Flood Hazard Study

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 Mapbook | 350-Year**

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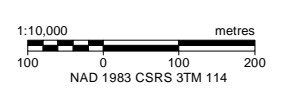
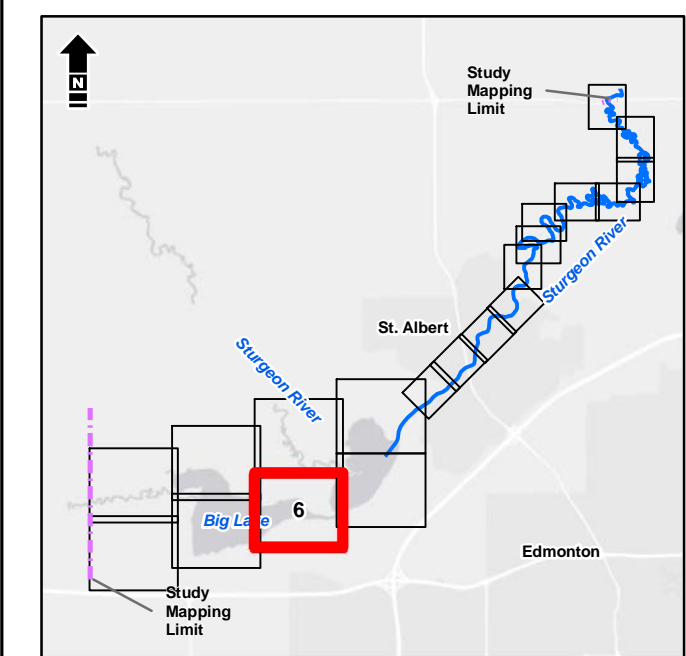
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St. Albert Flood Hazard Study

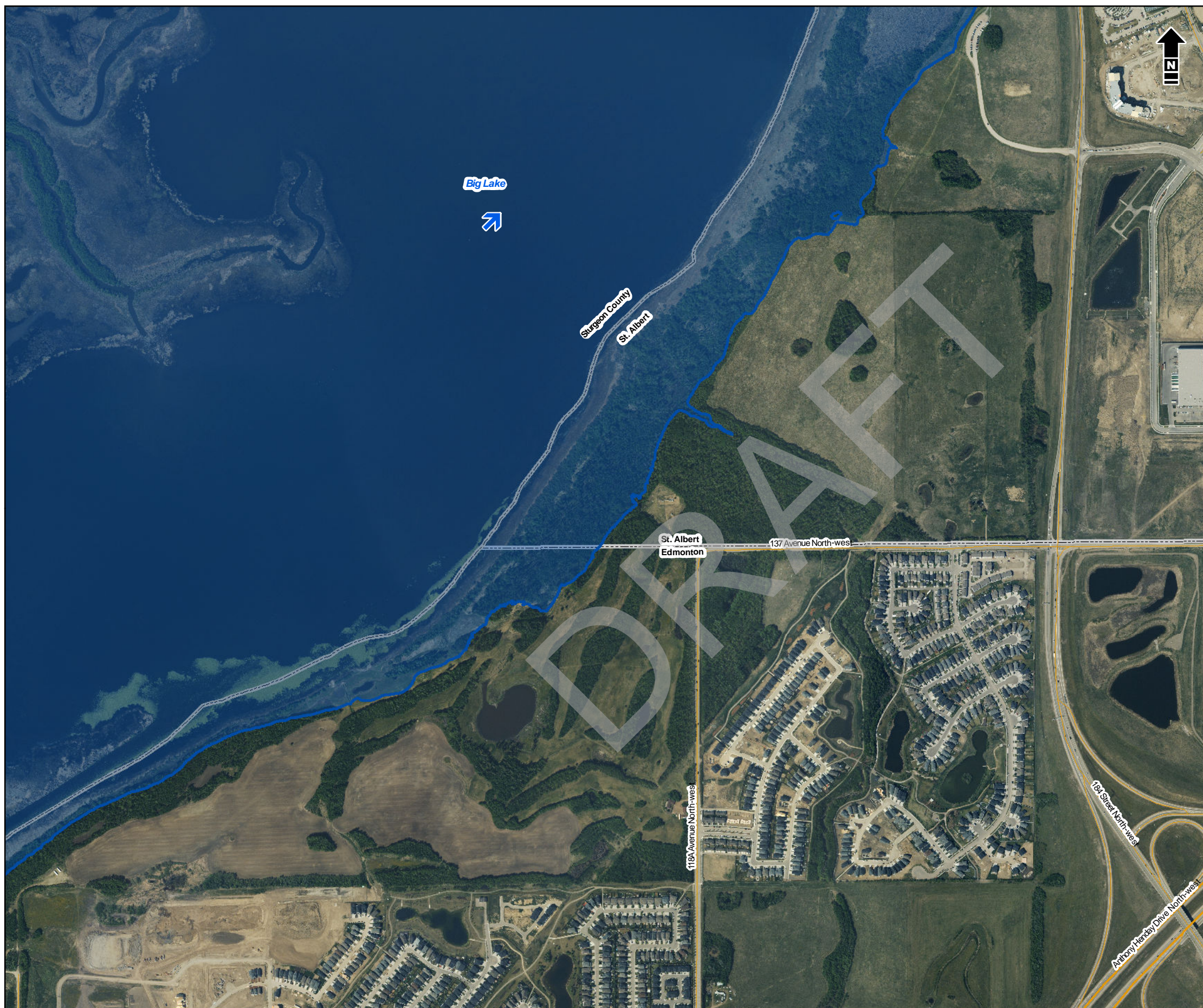
### Open Water Flood Inundation Mapbook | 350-Year

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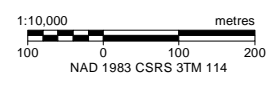
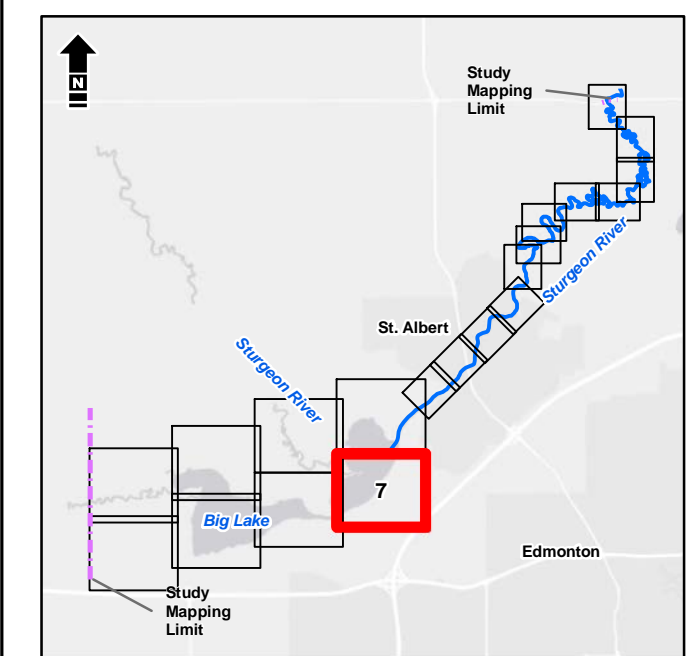
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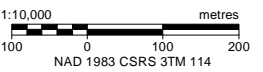
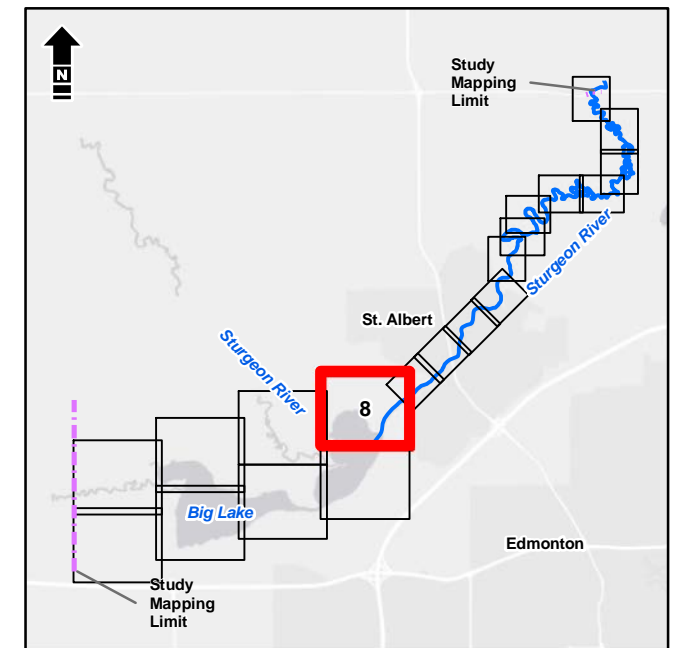
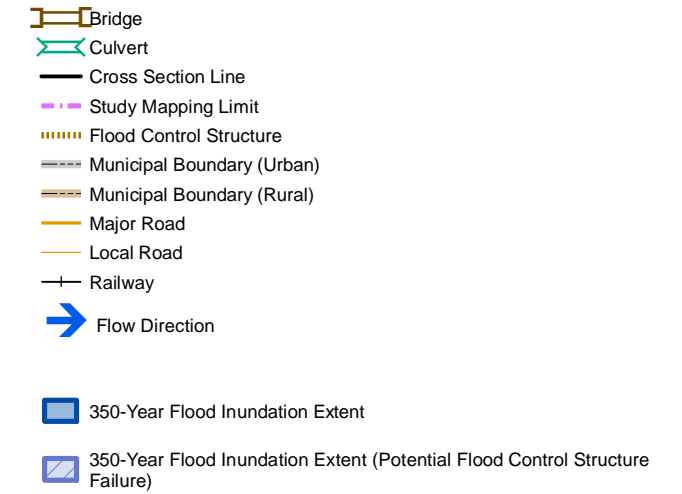
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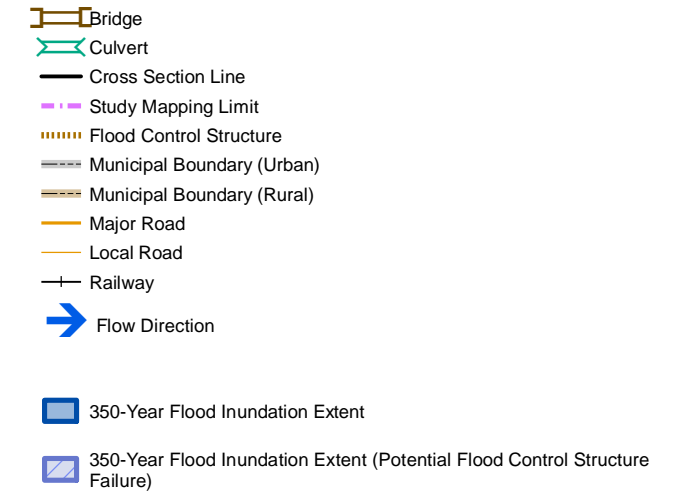
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 Mapbook | 350-Year**

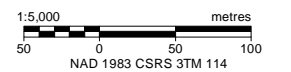
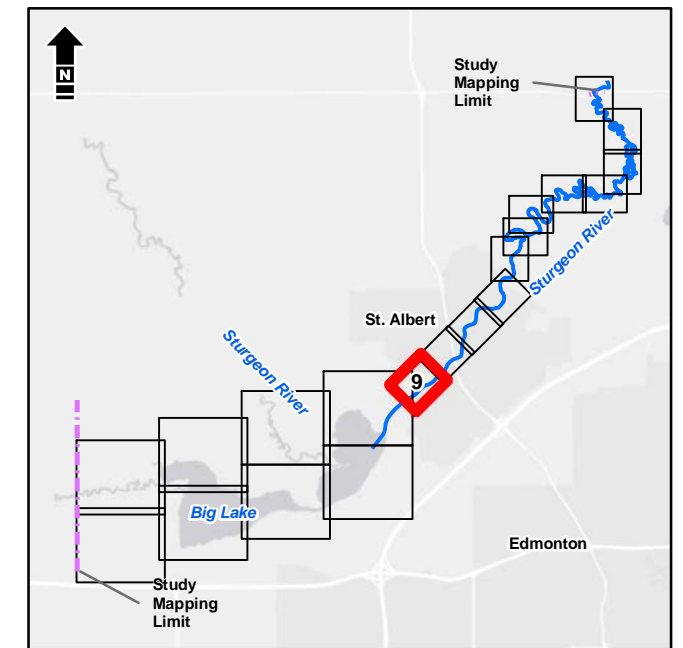
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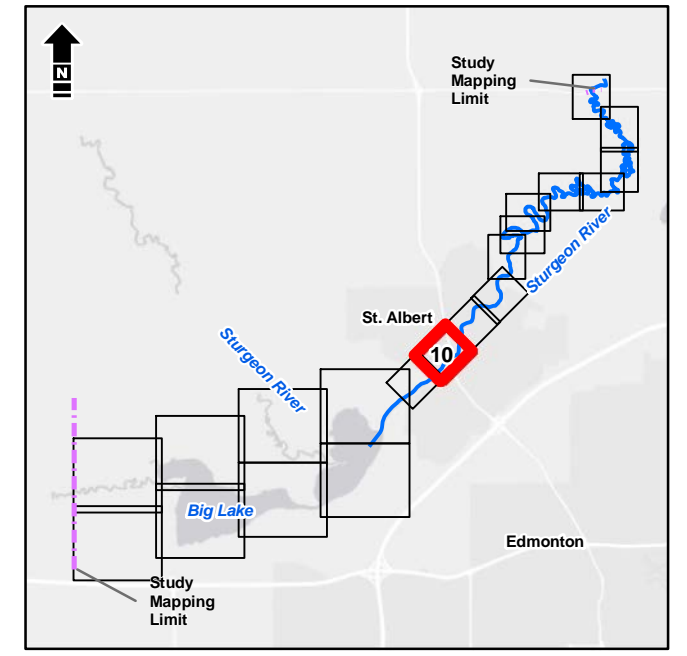
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1:5,000 metres  
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 NAD 1983 CSRS 3TM 114



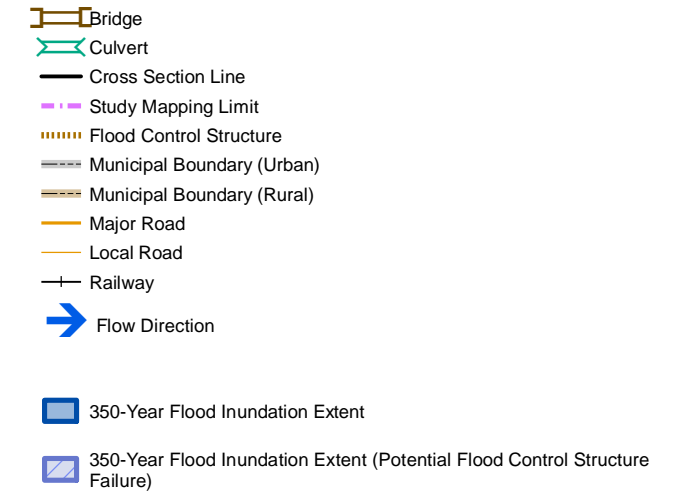
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Mapbook | 350-Year**

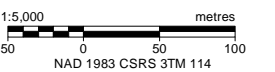
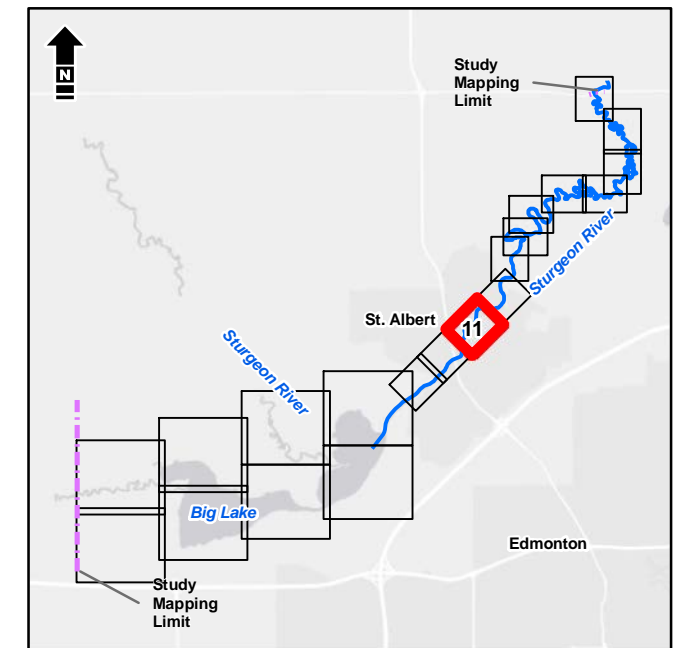
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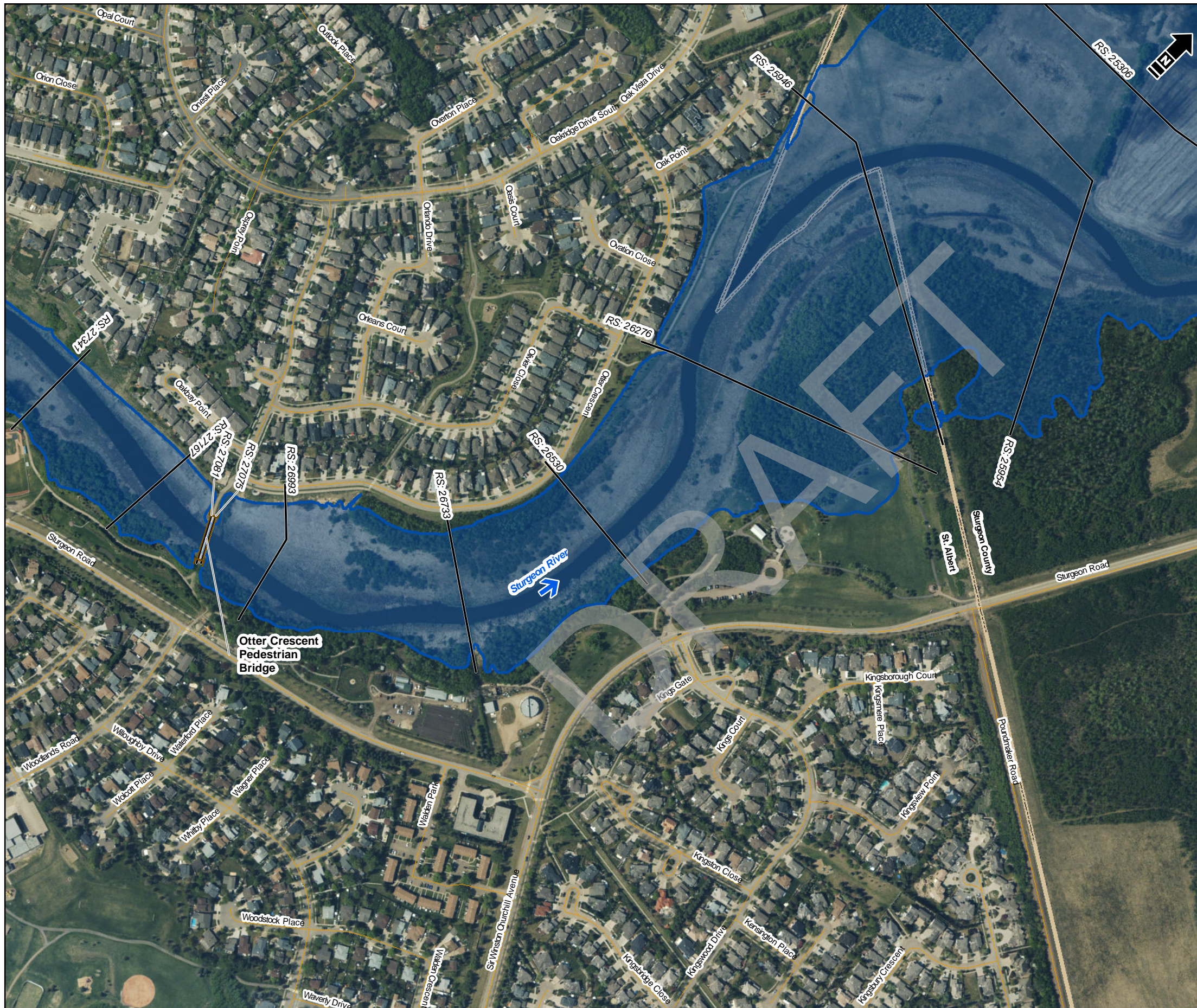
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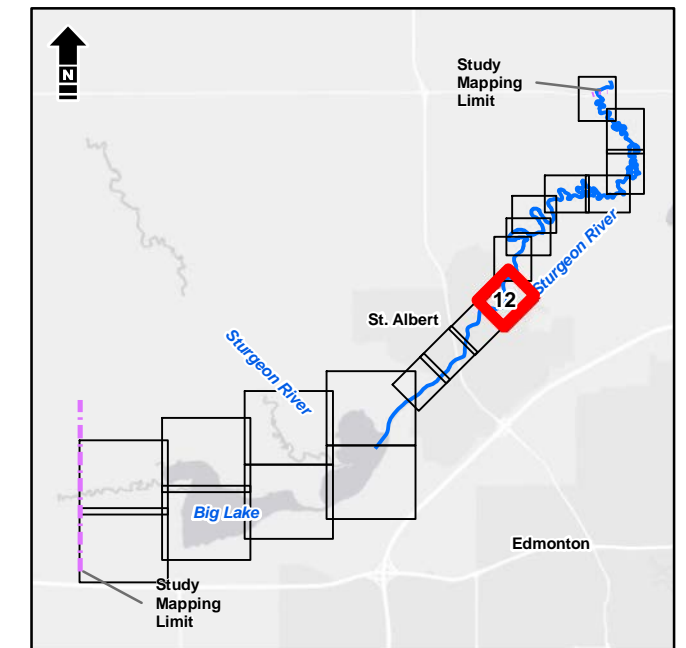
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- 350-Year Flood Inundation Extent
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**DISCHARGE**  
Sturgeon River = 130 m<sup>3</sup>/s



1:5,000 metres  
50 0 50 100  
NAD 1983 CSRS 3TM 114

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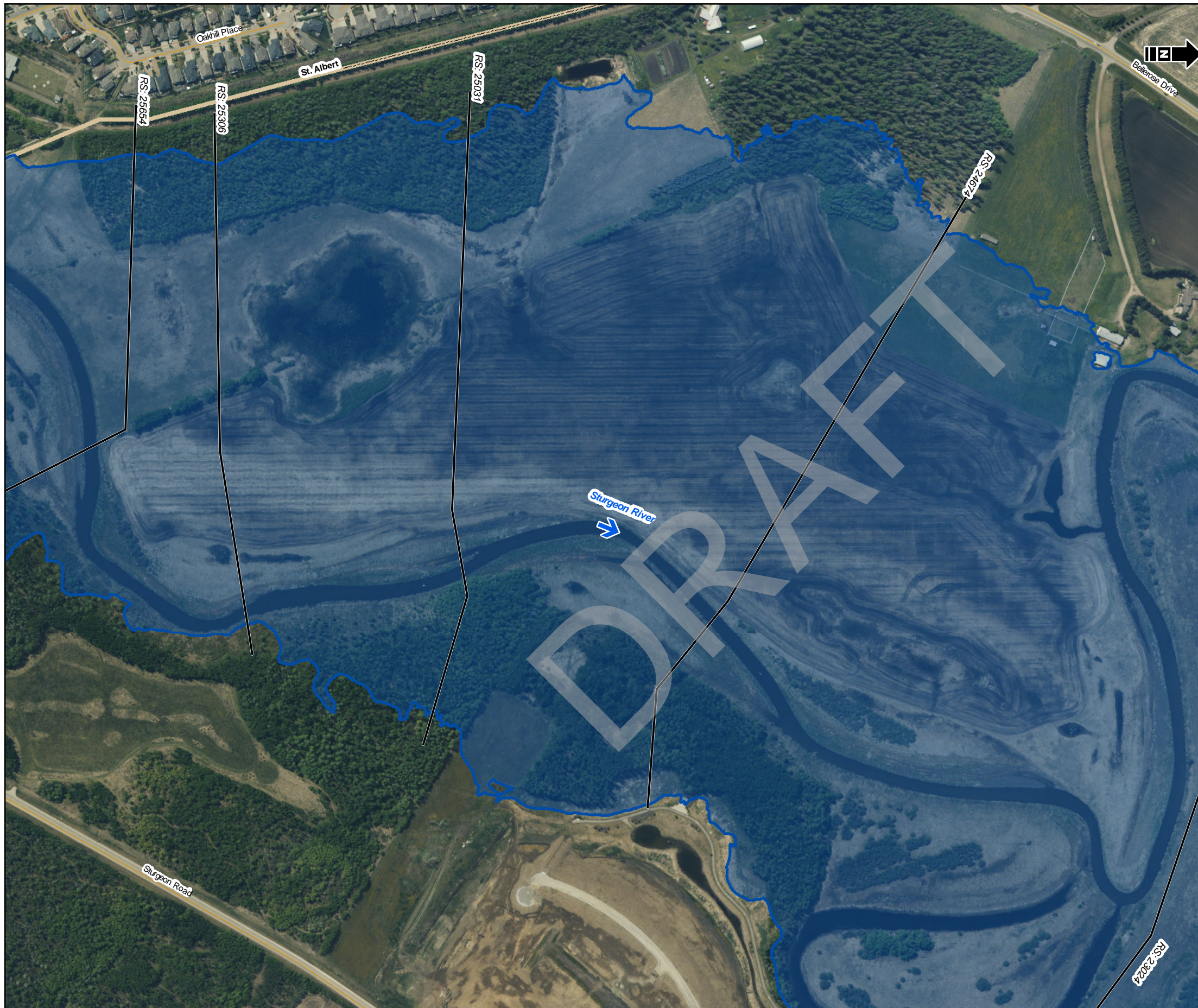
Alberta Government  
St. Albert Flood Hazard Study

**Open Water Flood Inundation  
Mapbook | 350-Year**

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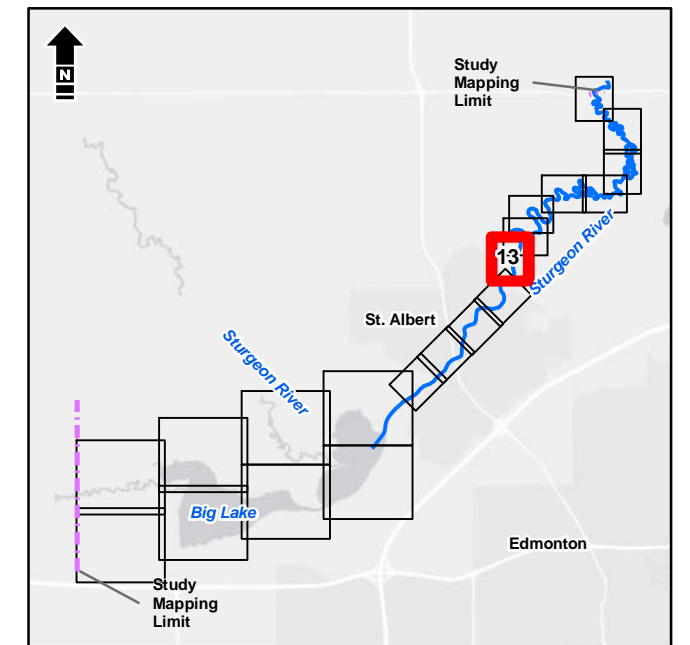
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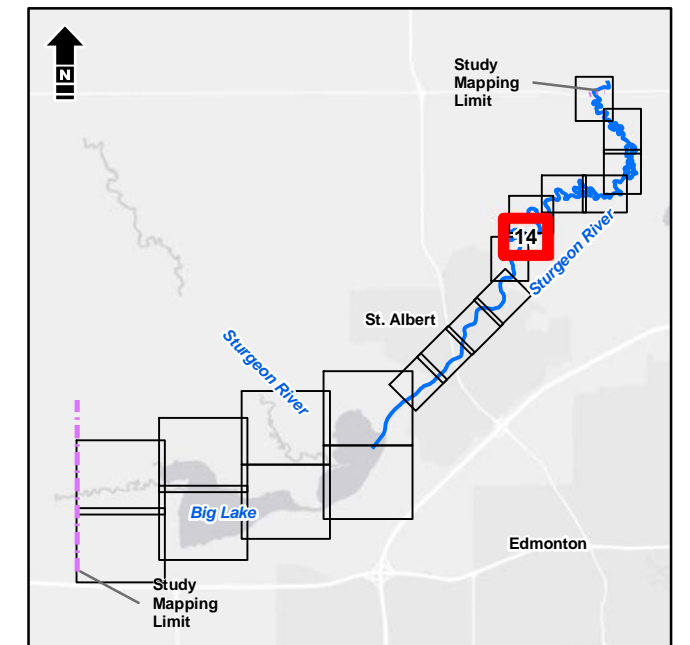
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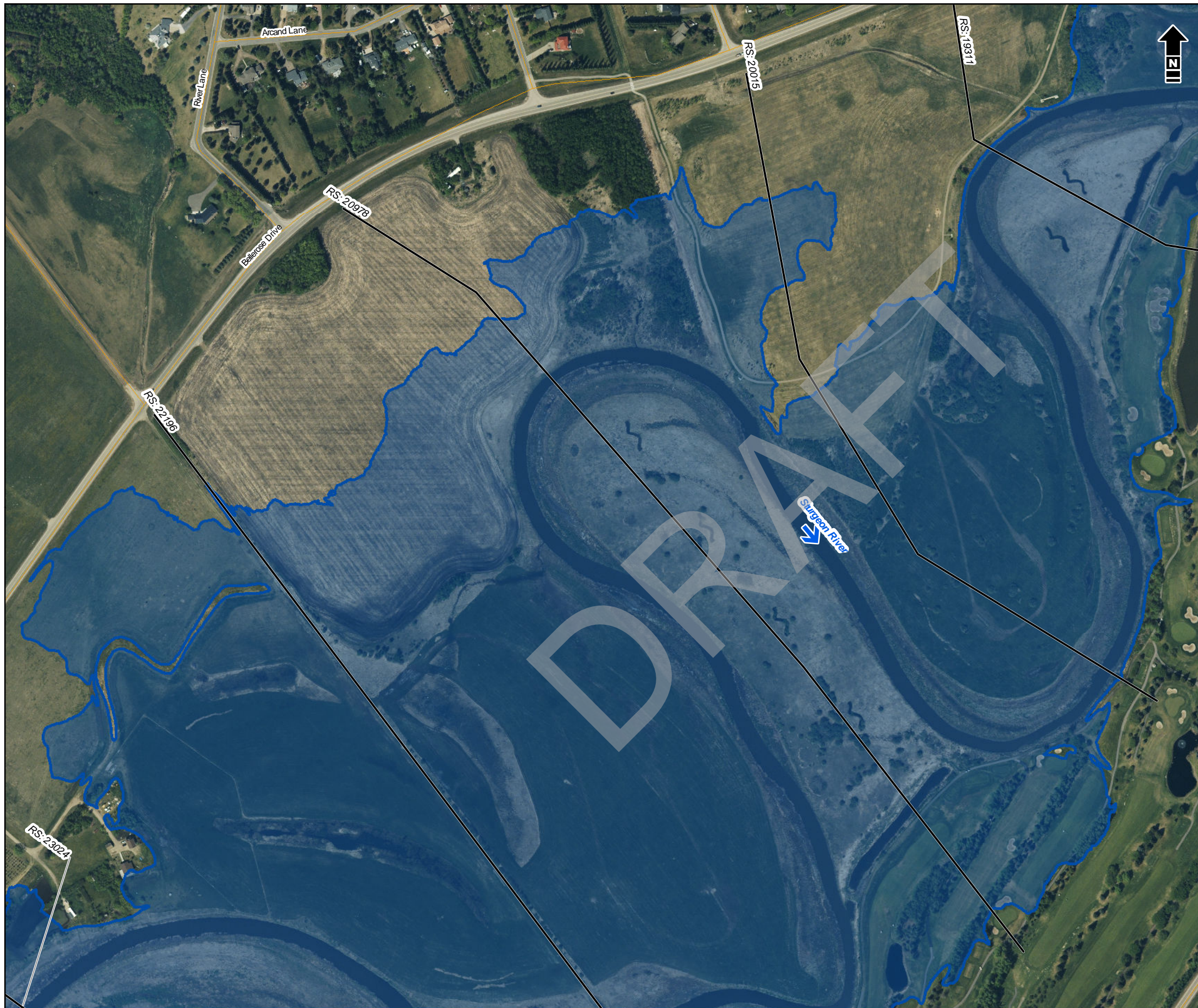
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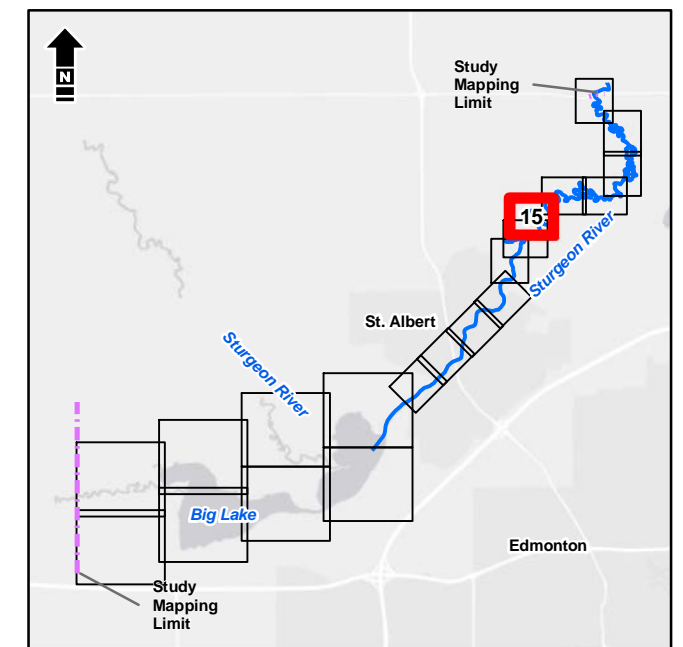
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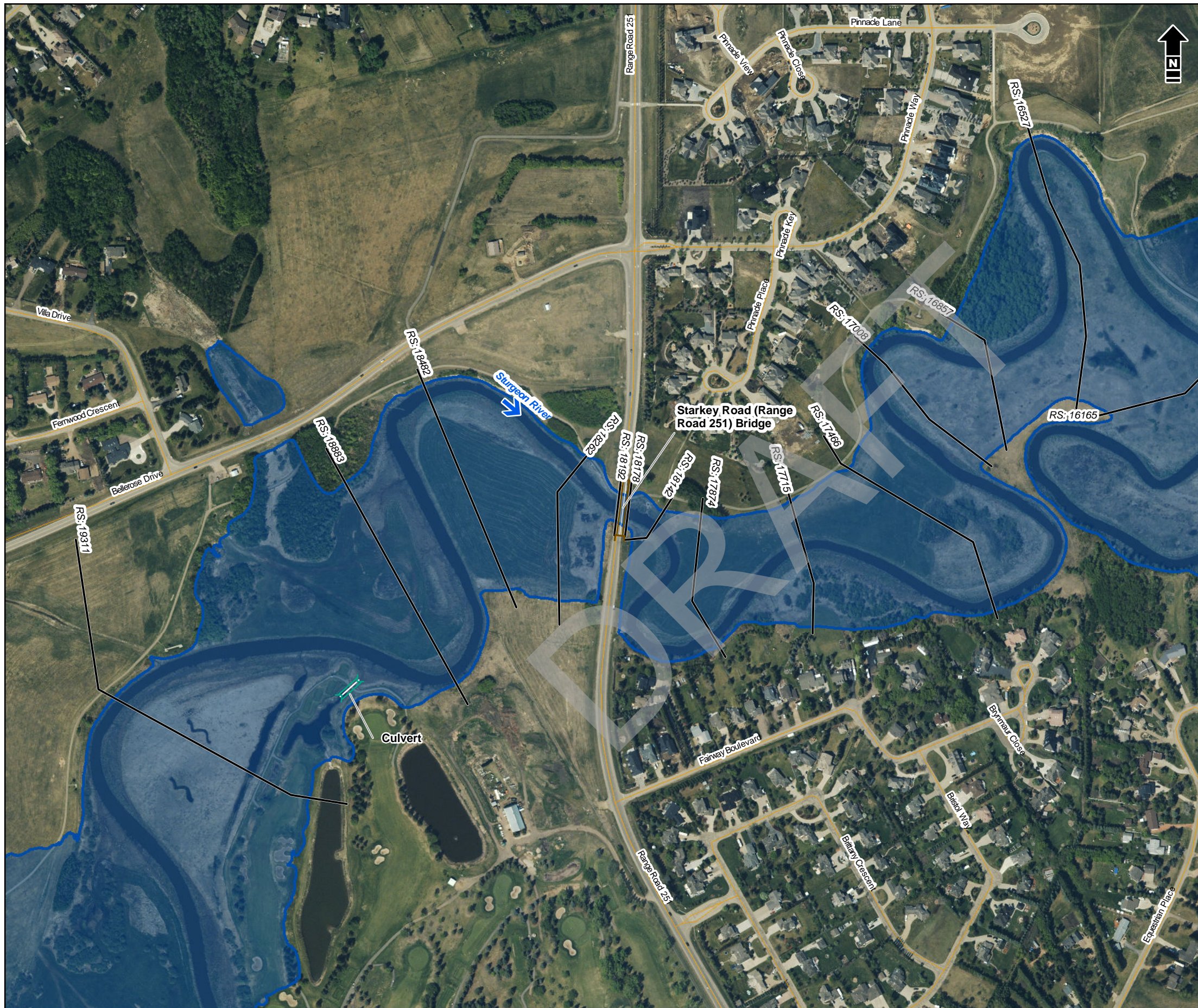
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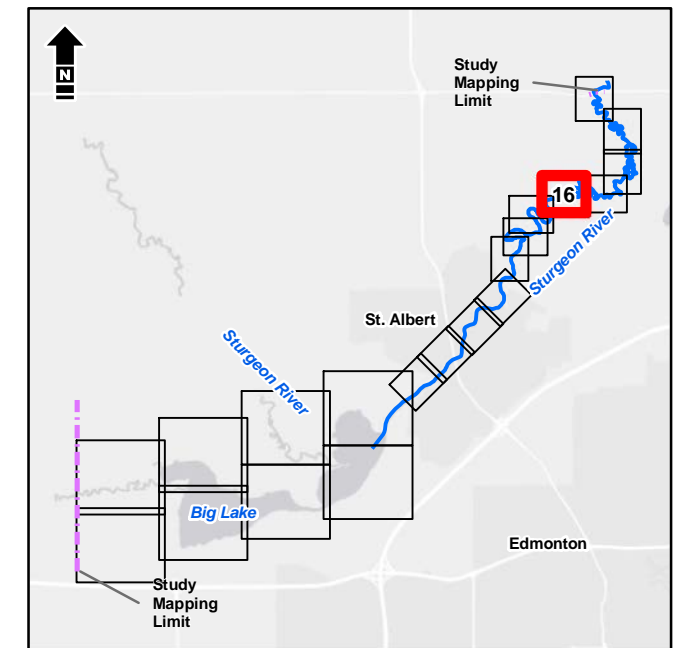
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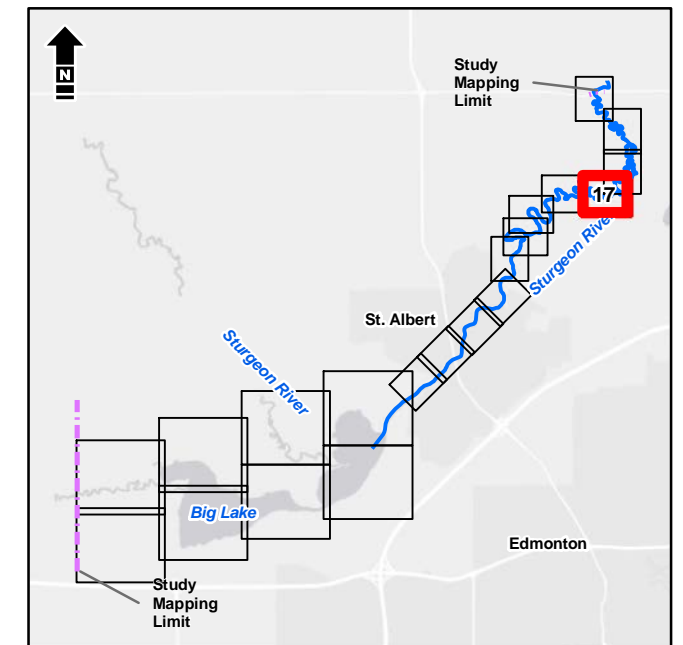
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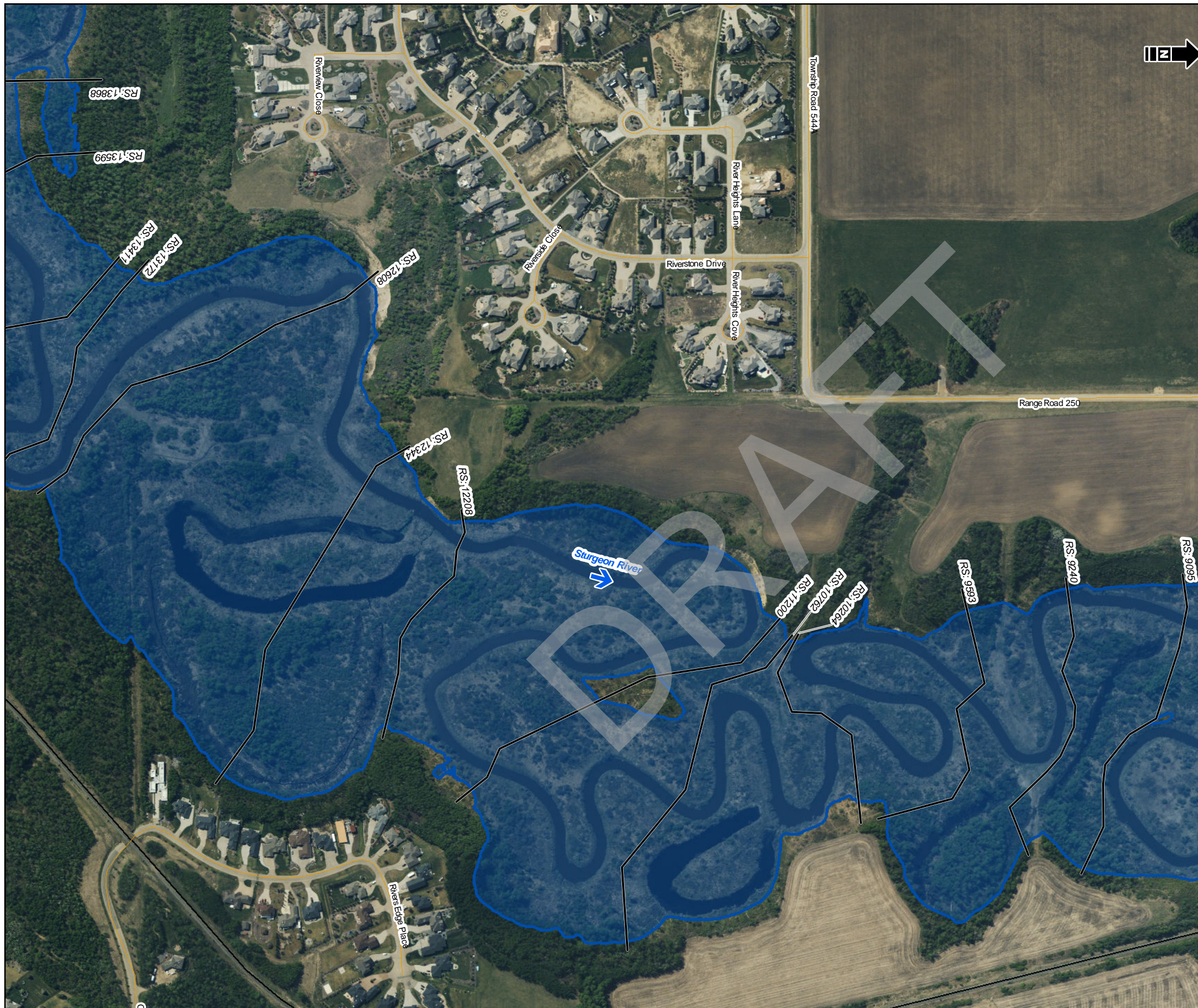
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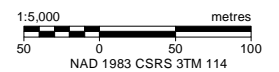
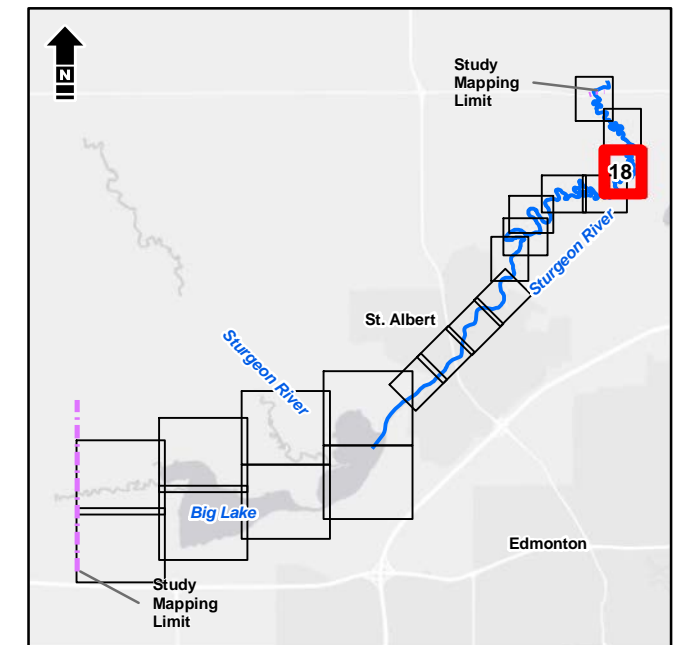
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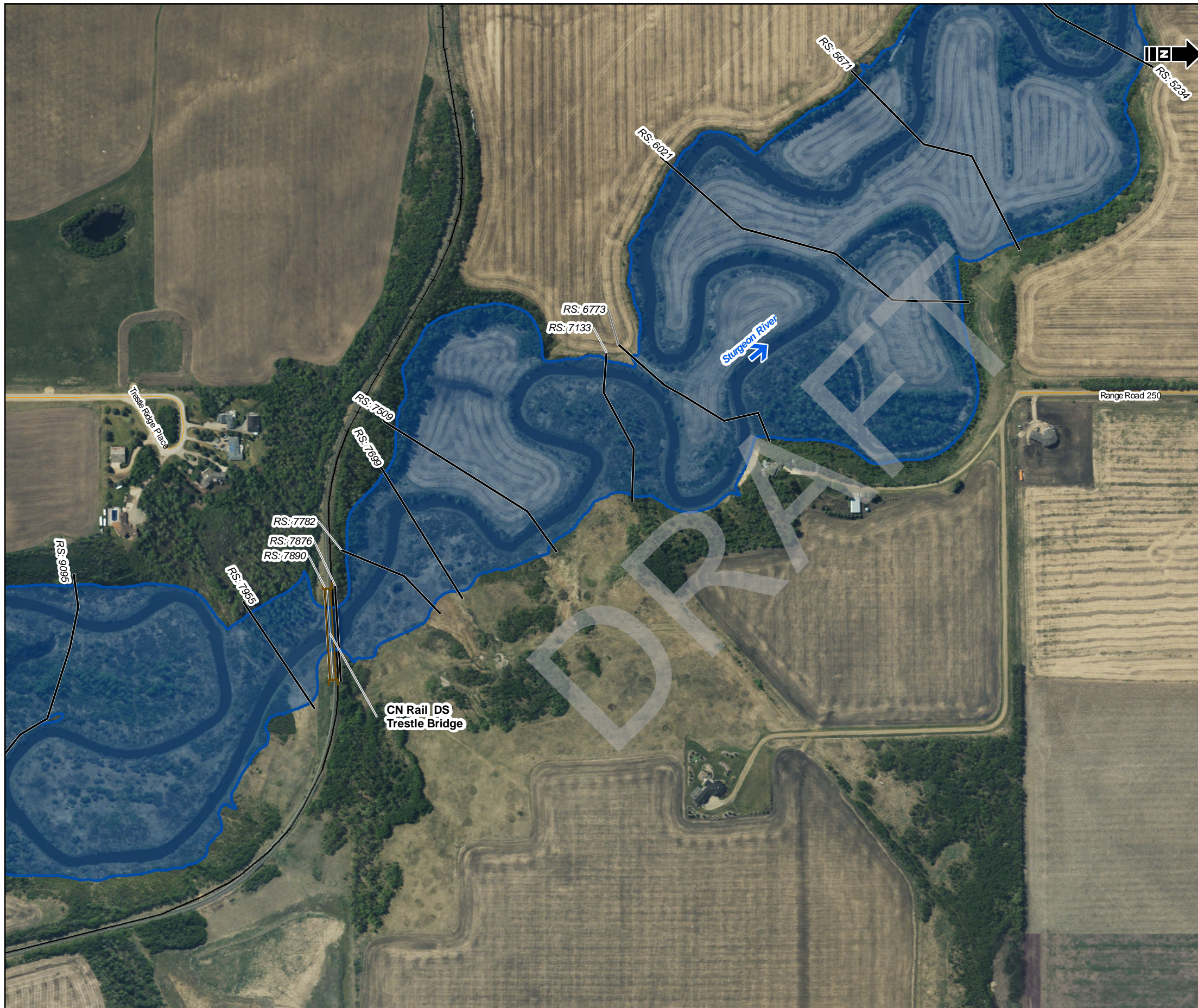
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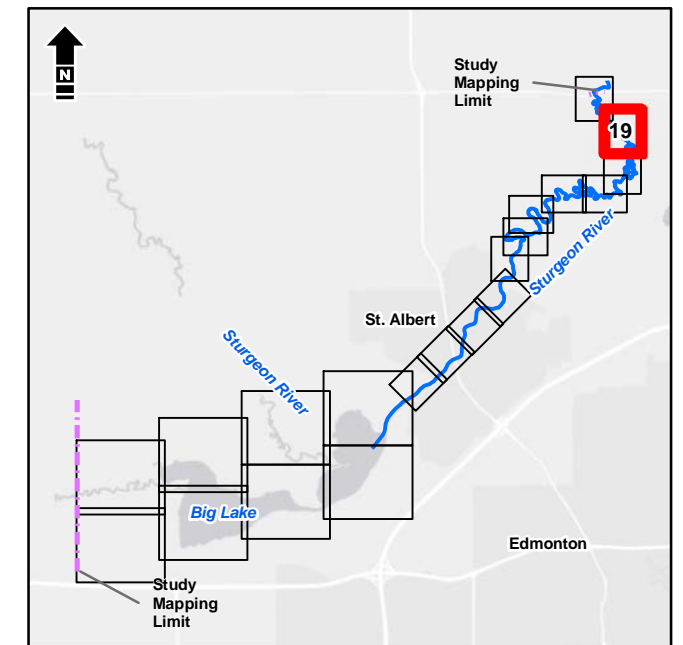
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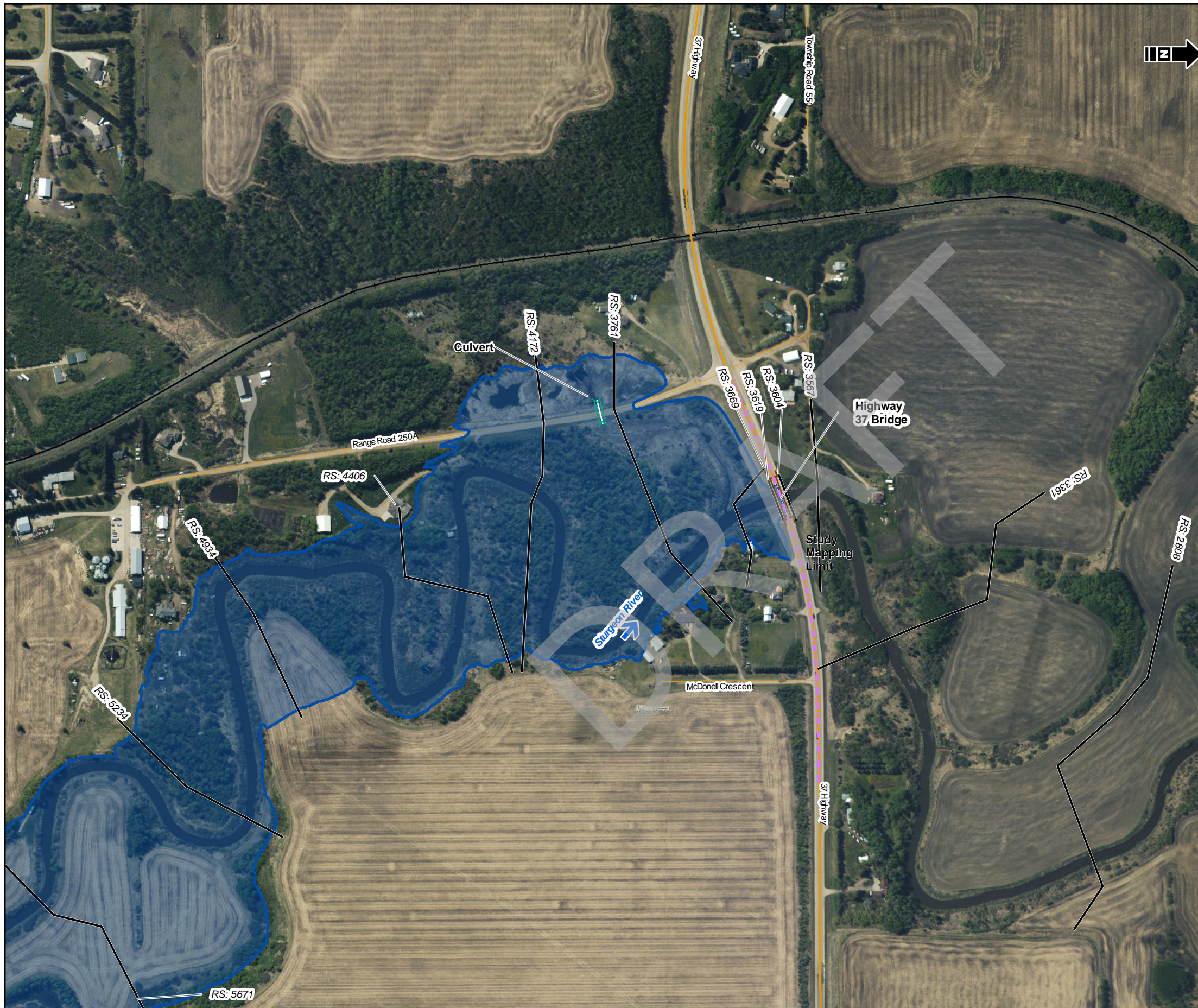
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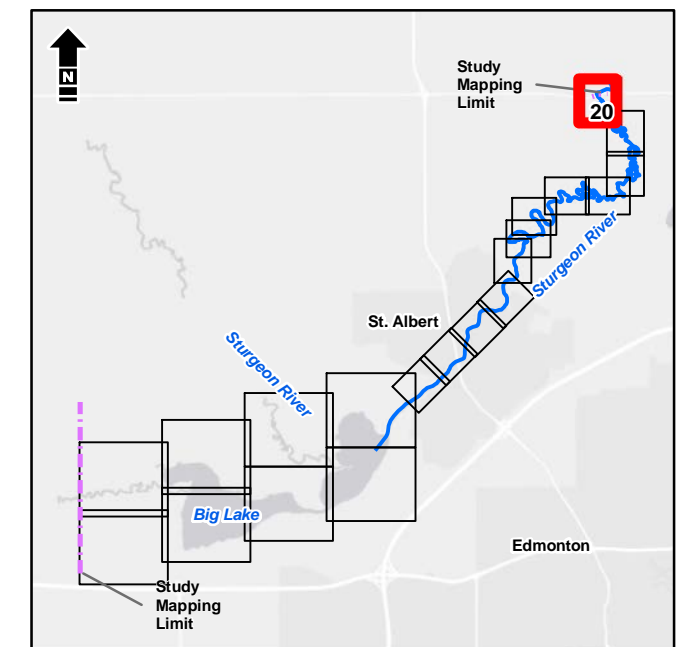
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**Open Water Flood Inundation  
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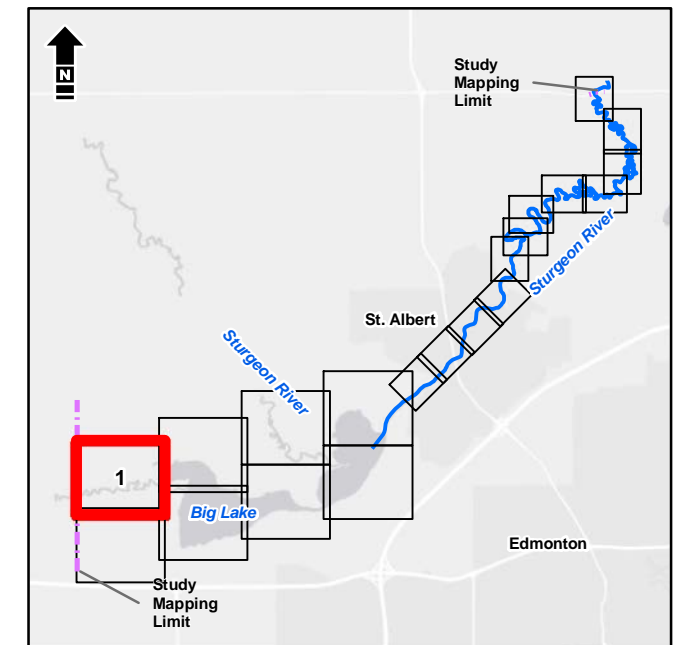
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 100 0 100 200  
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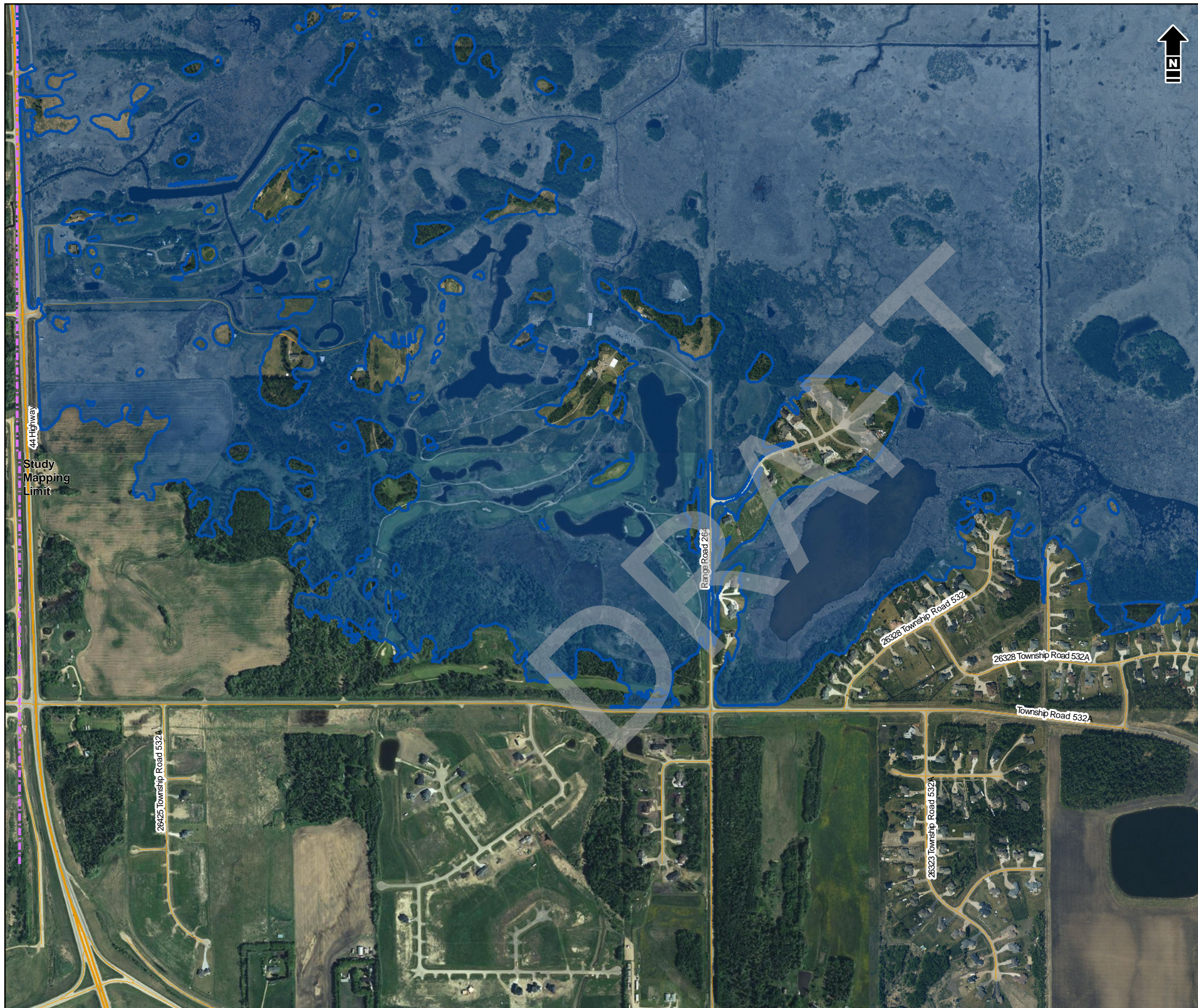
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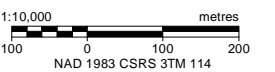
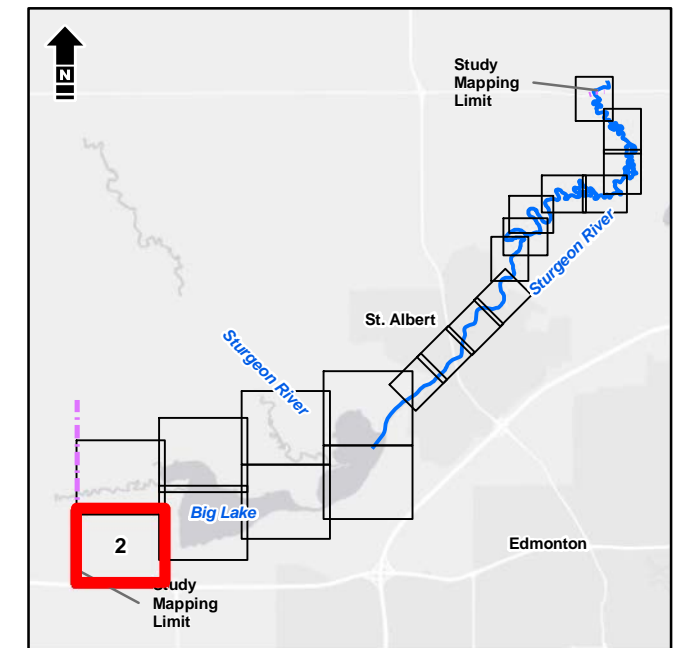
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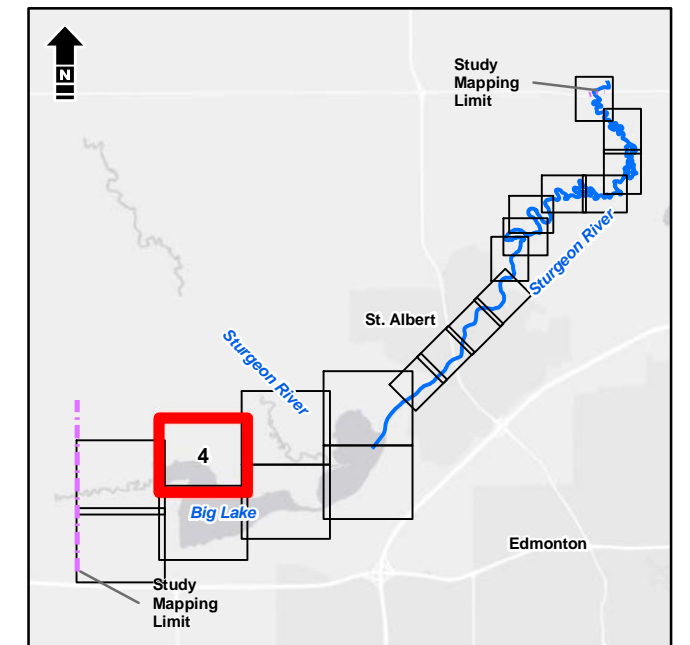








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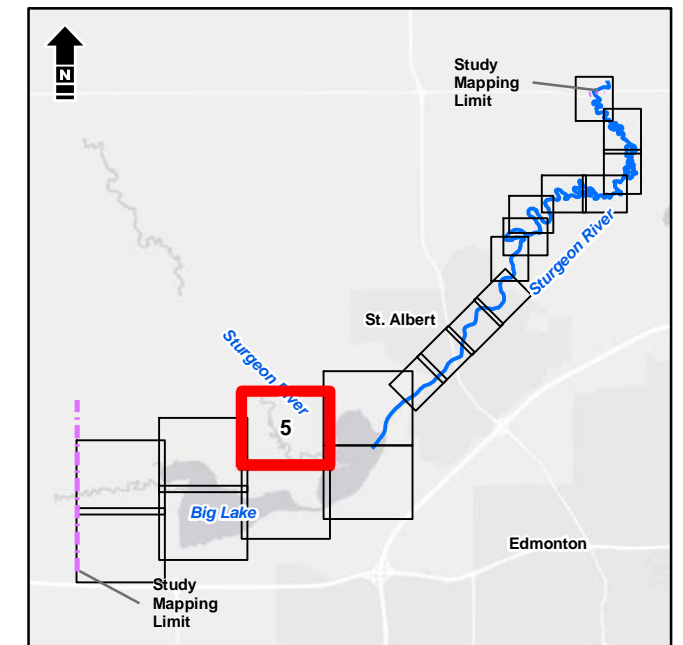
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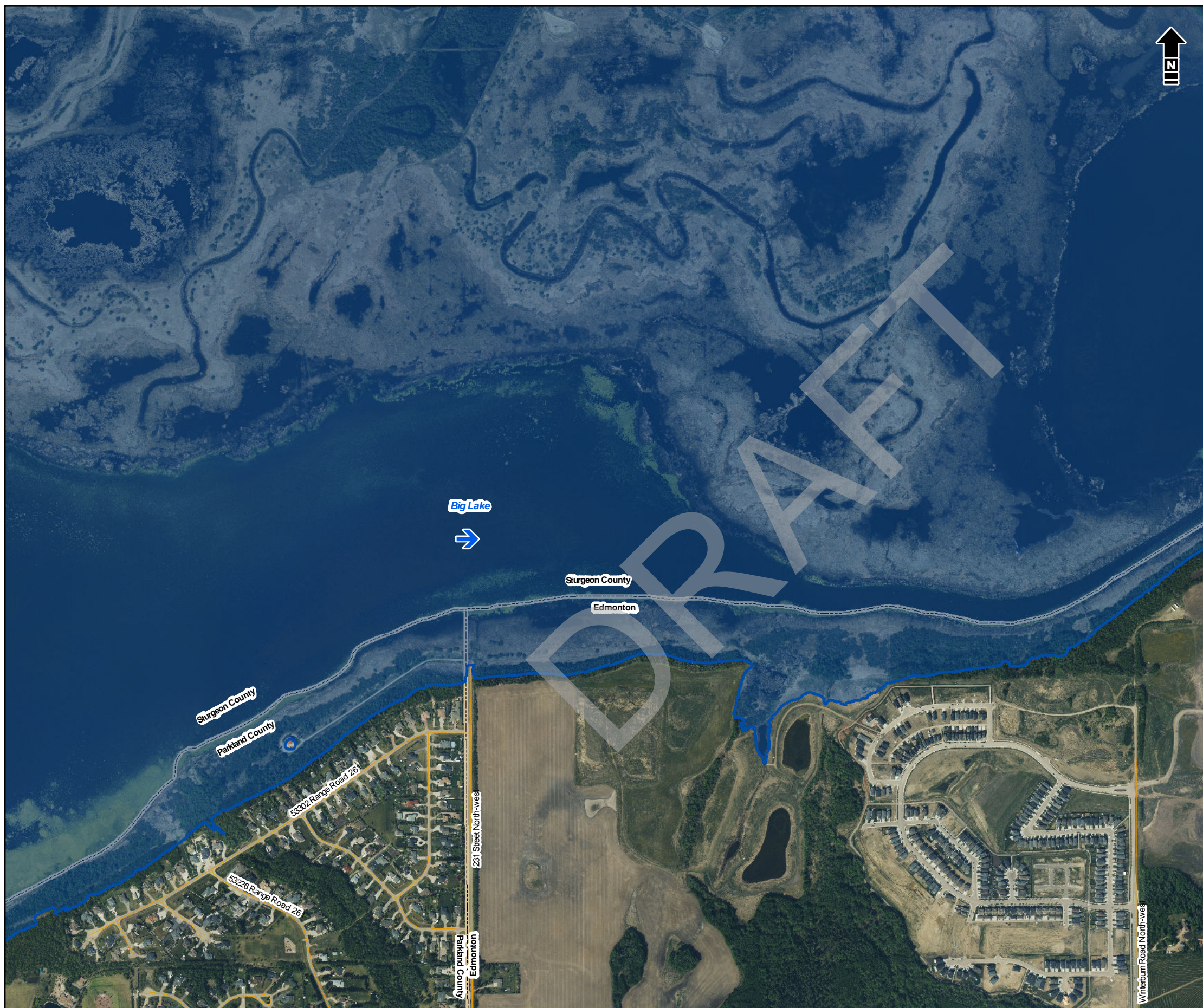
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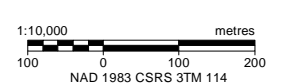
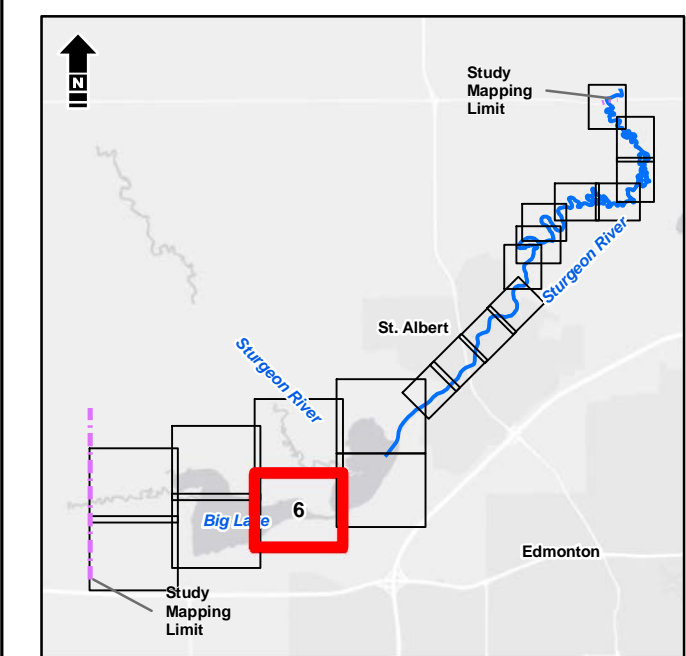
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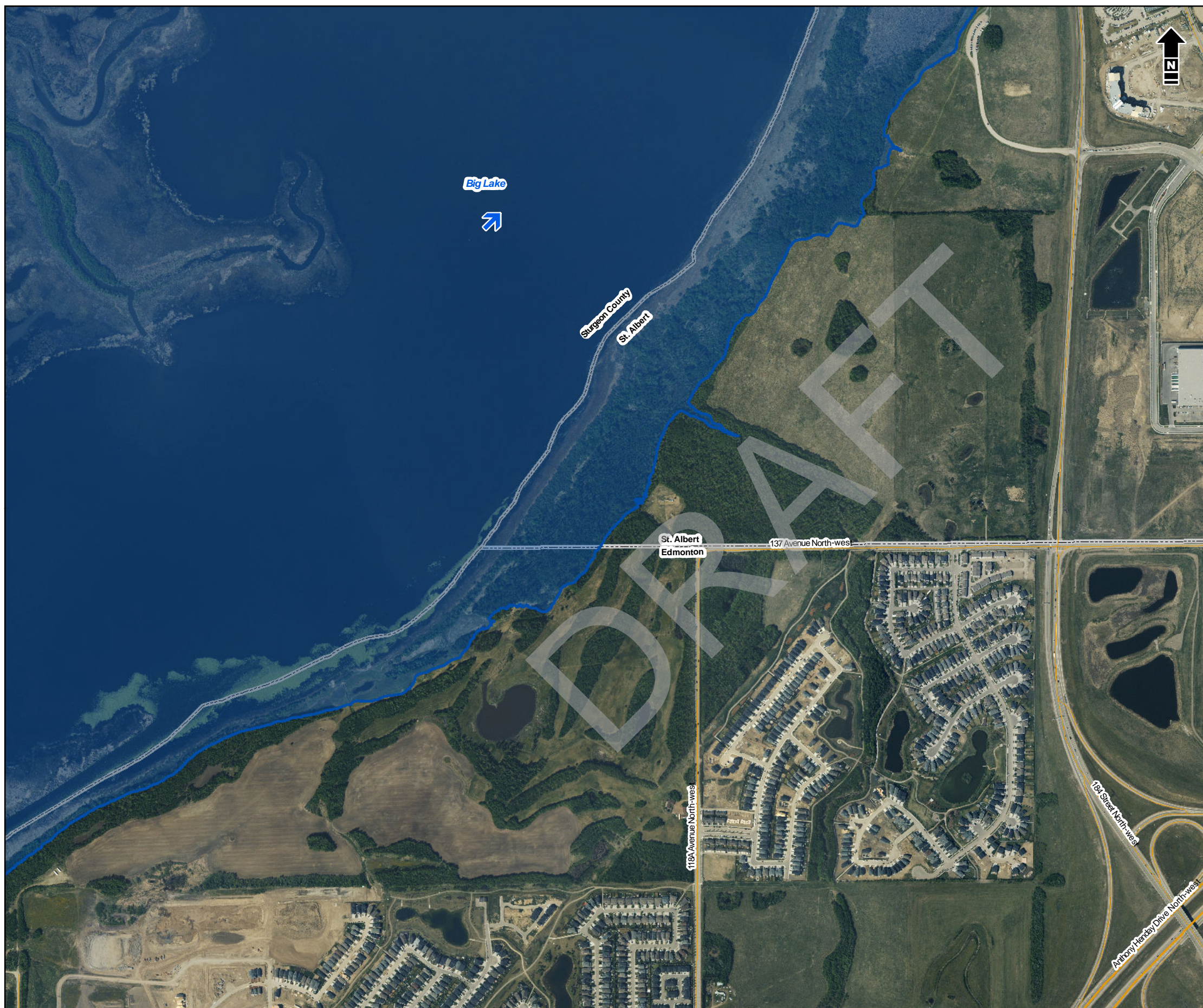
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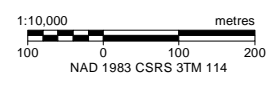
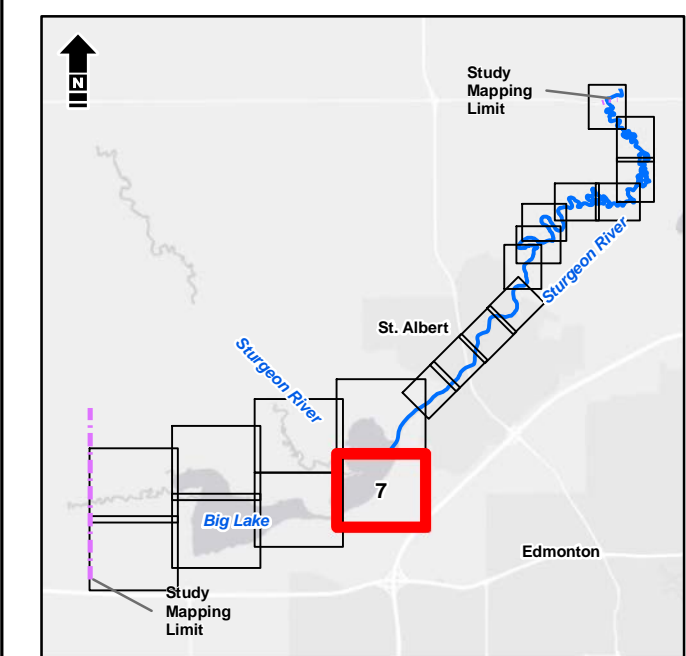
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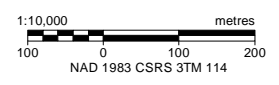
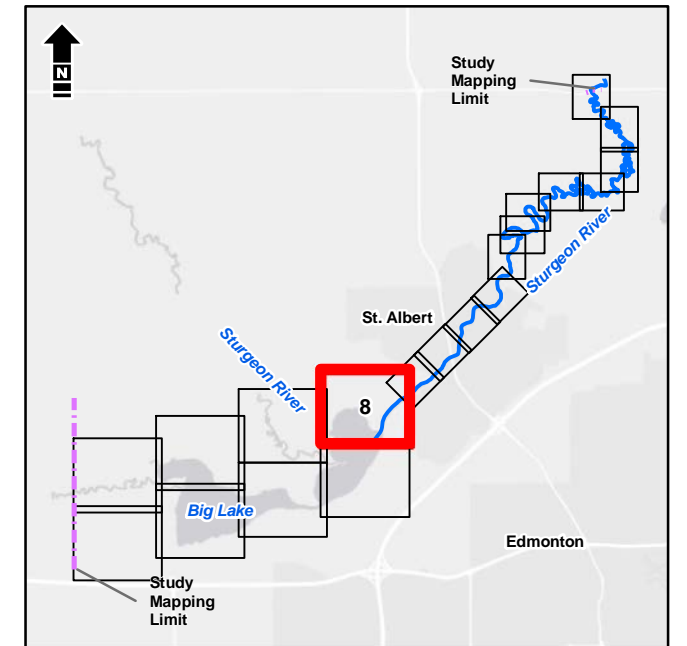
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- 500-Year Flood Inundation Extent
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Alberta Government  
 St. Albert Flood Hazard Study

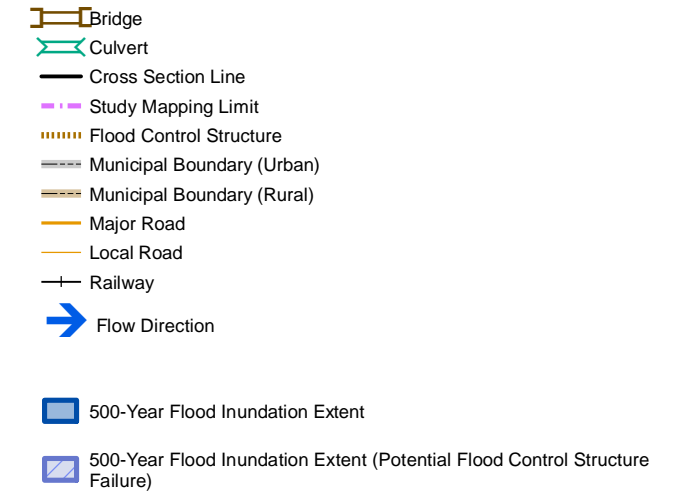
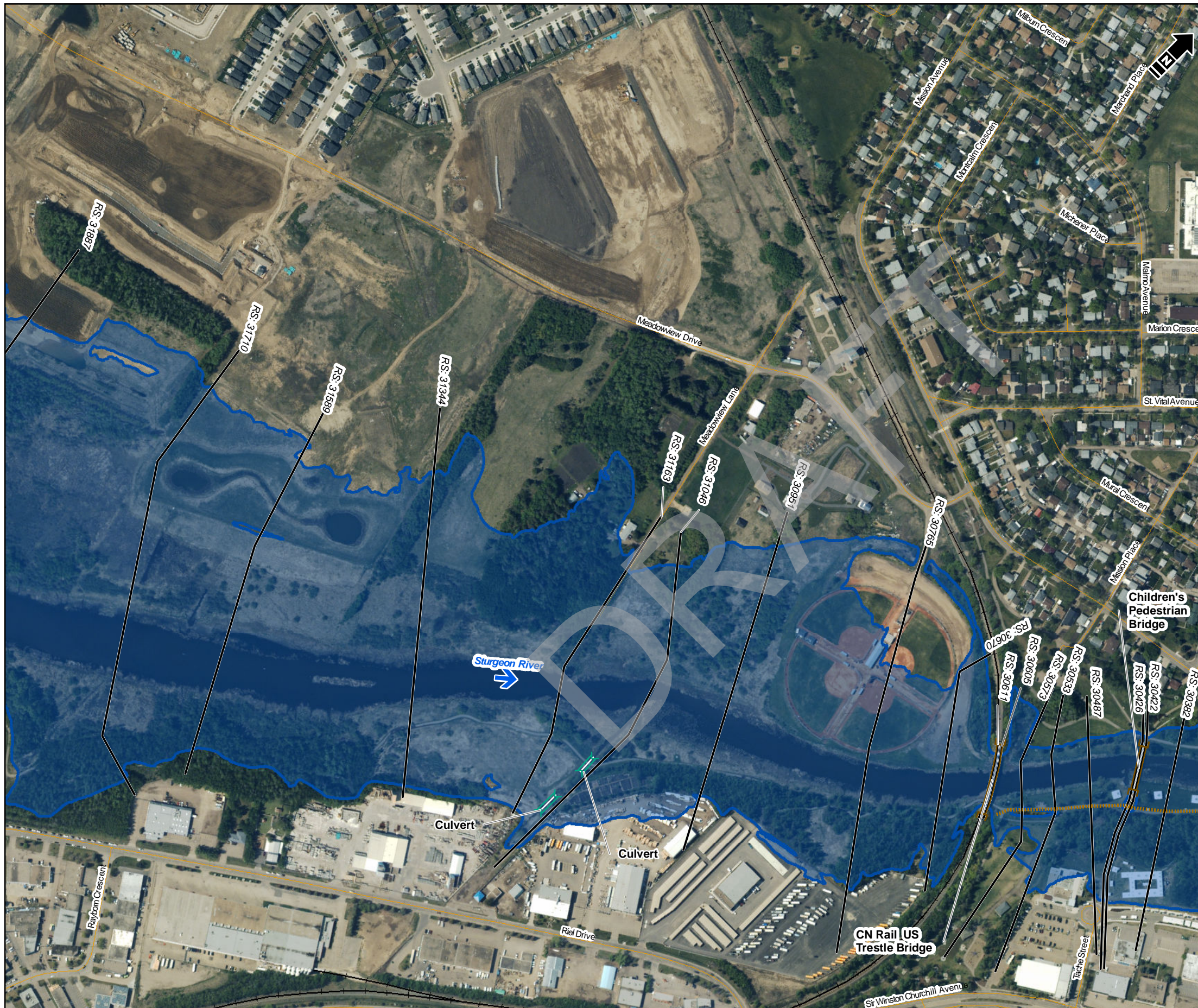
**Open Water Flood Inundation  
 Mapbook | 500-Year**

Date: March 2020	Project: 28312	Submitter: P. Rogers	Reviewer: M. Shome
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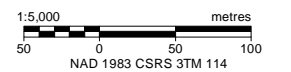
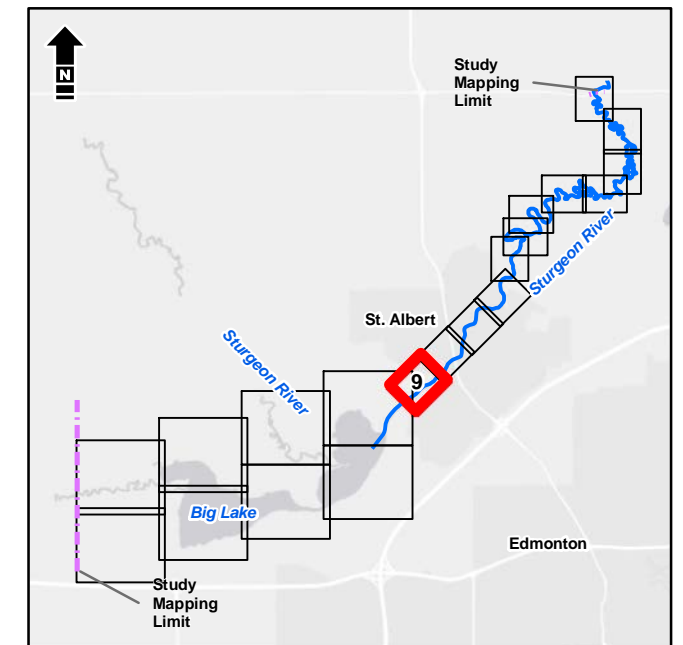
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**DISCHARGE**  
Sturgeon River = 140 m<sup>3</sup>/s



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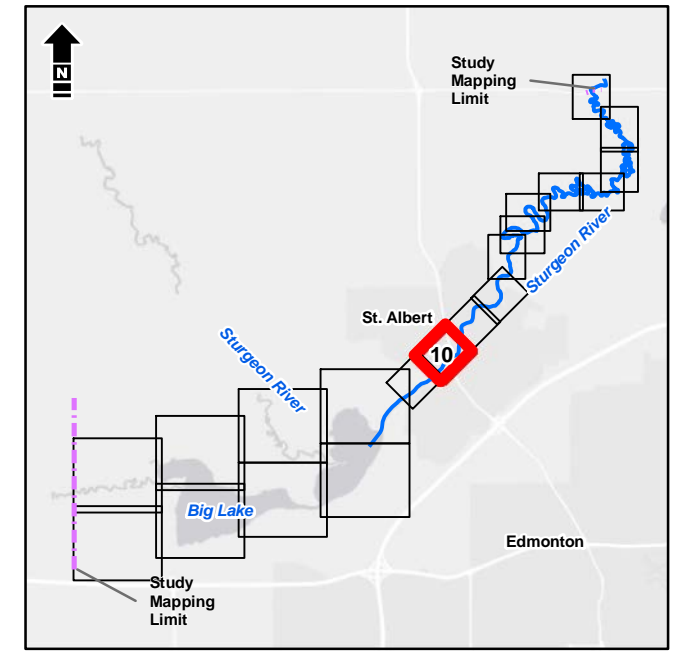
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1:5,000 metres  
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 NAD 1983 CSRS 3TM 114



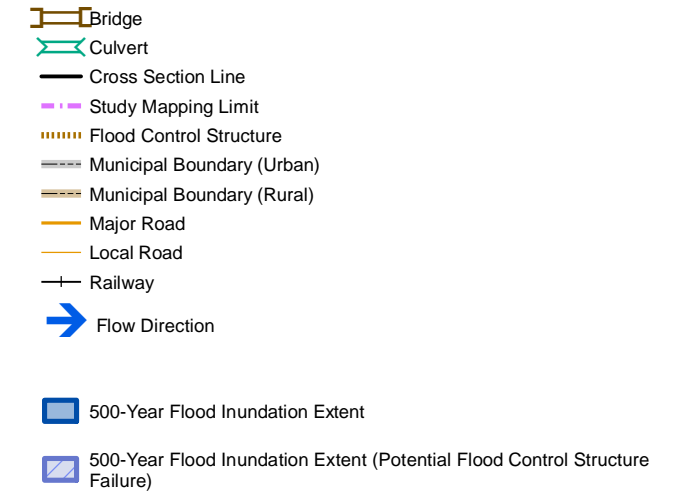
Alberta Government  
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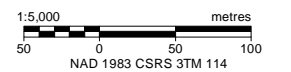
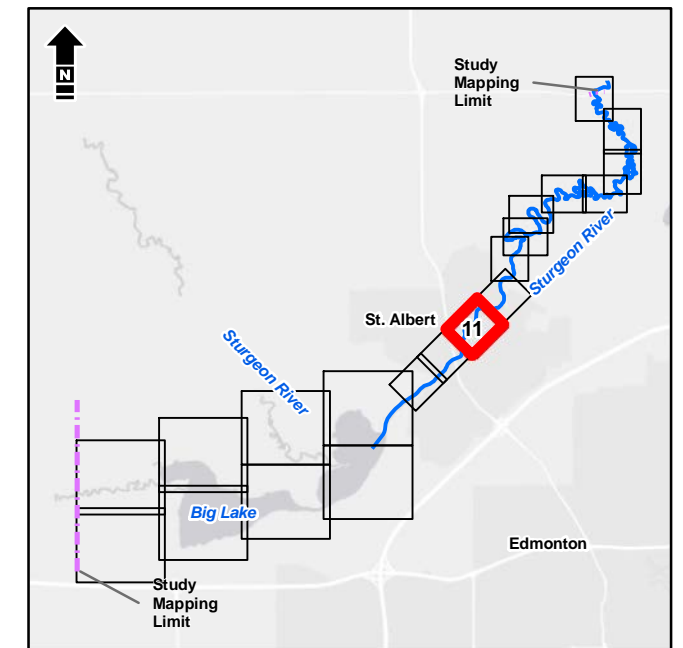
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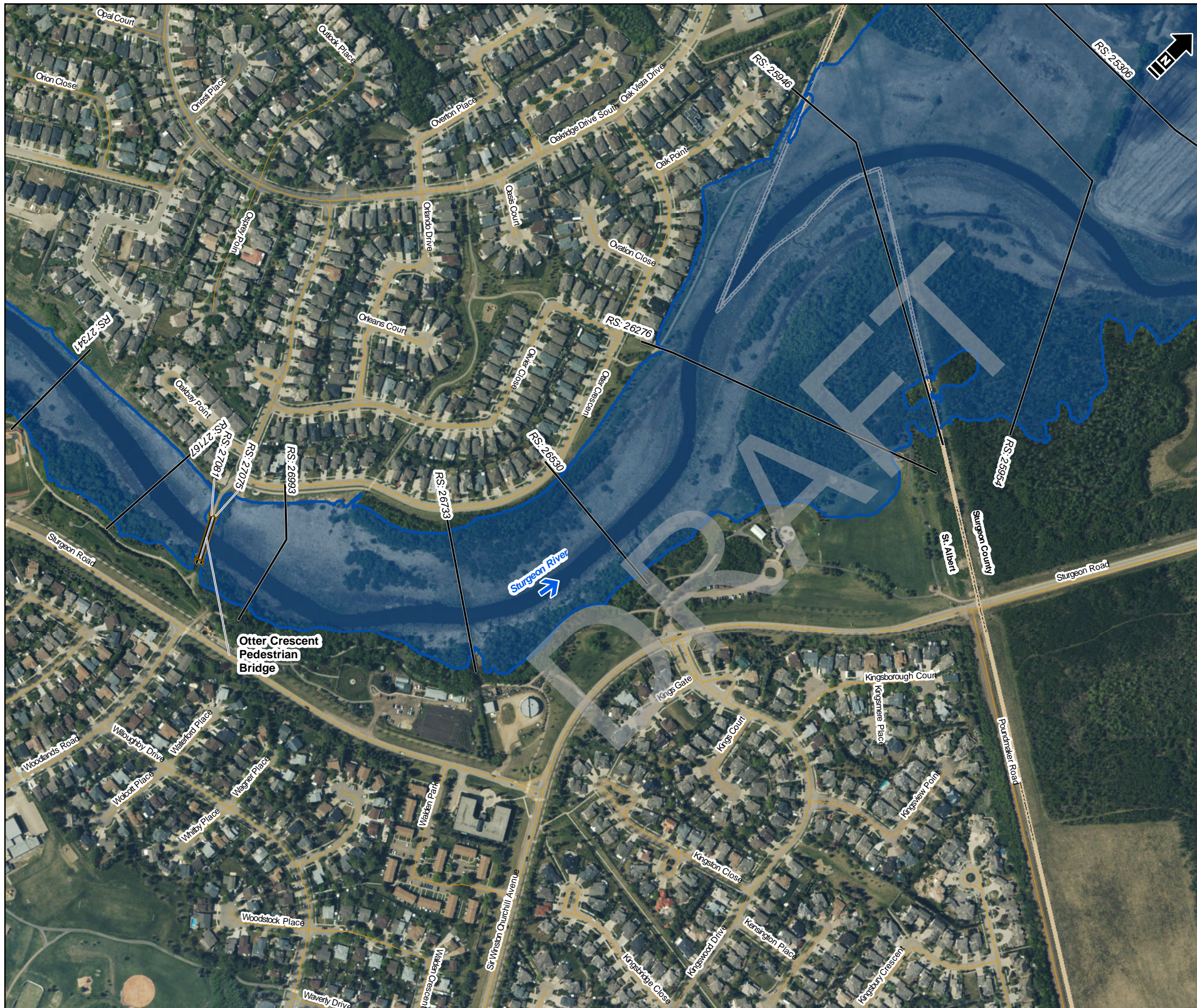
Alberta Government  
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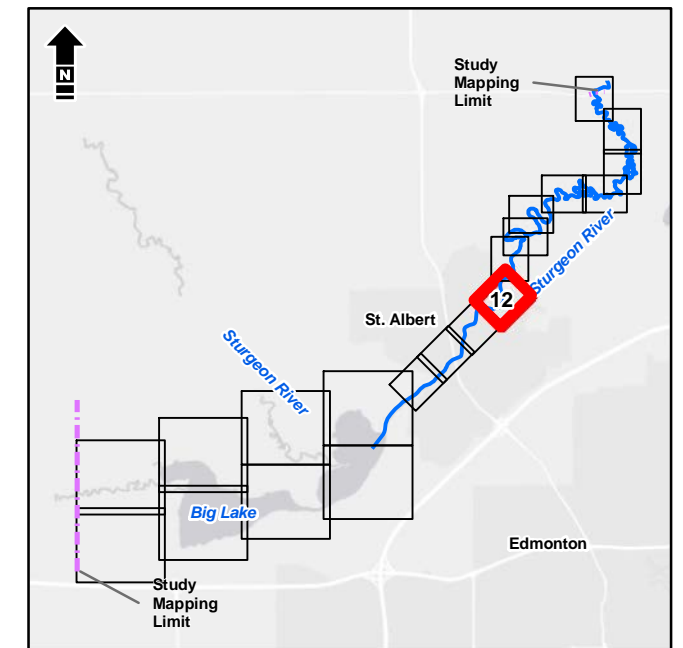
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1:5,000 metres  
50 0 50 100  
NAD 1983 CSRS 3TM 114

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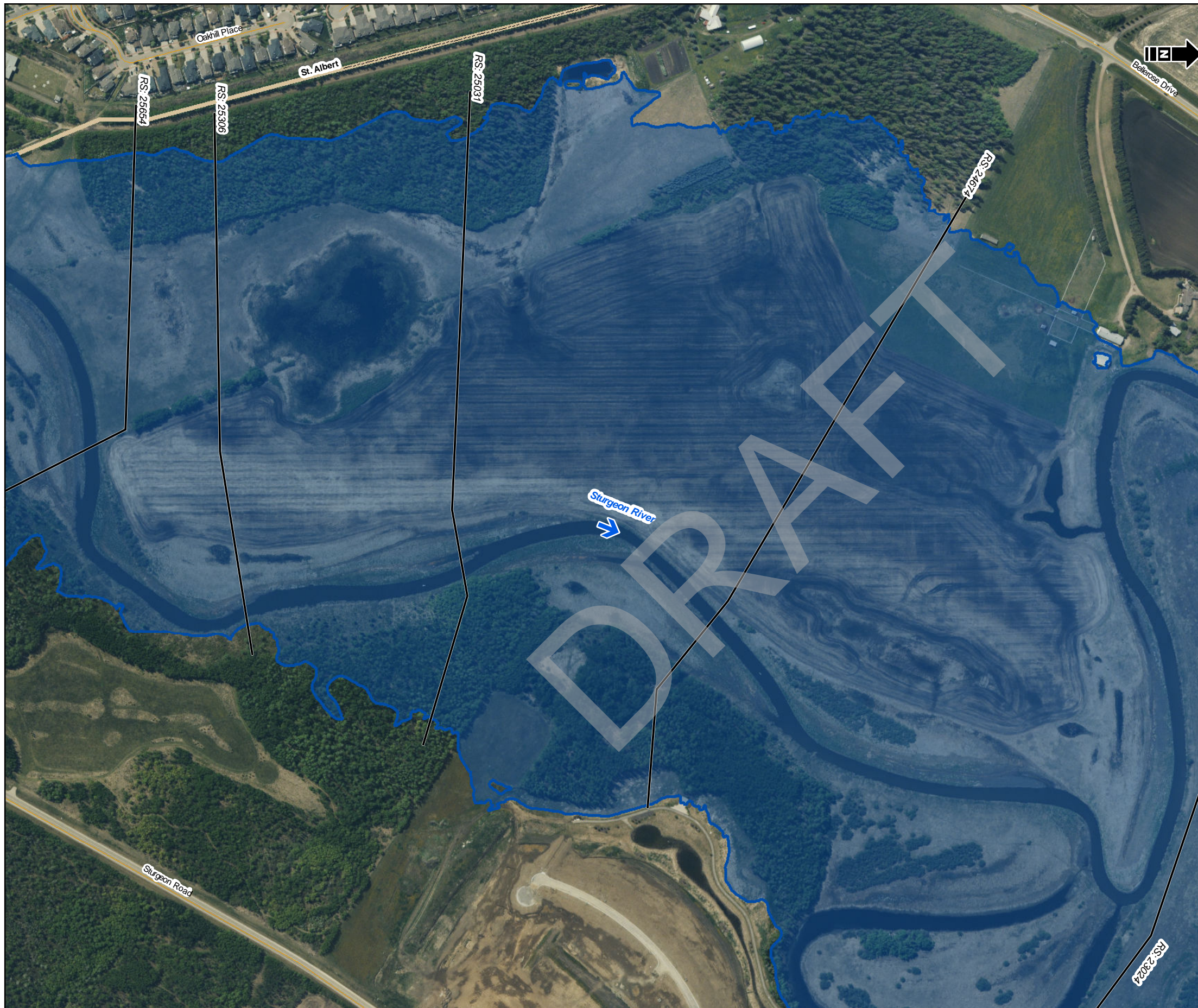
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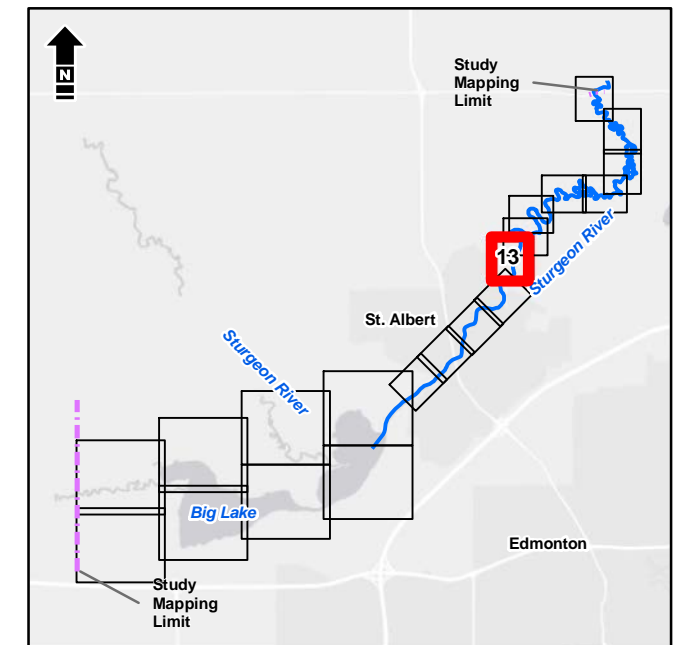
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*Alberta*

Alberta Government  
St. Albert Flood Hazard Study

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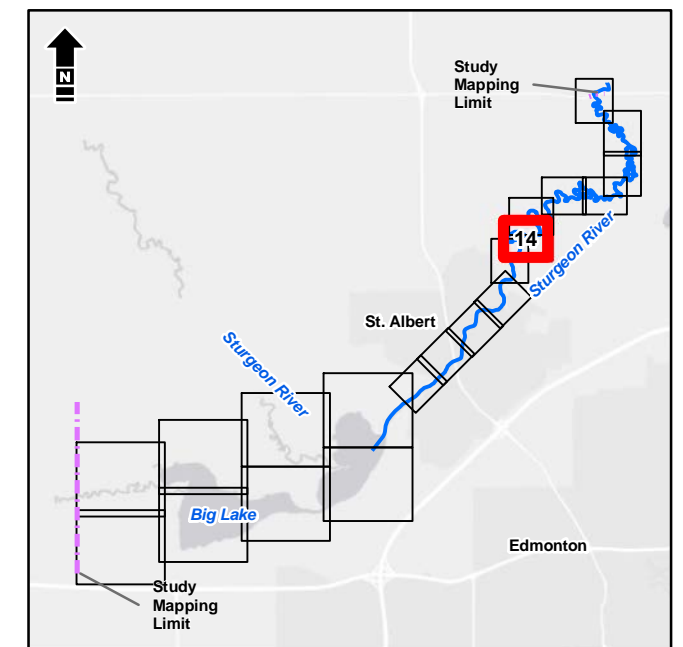
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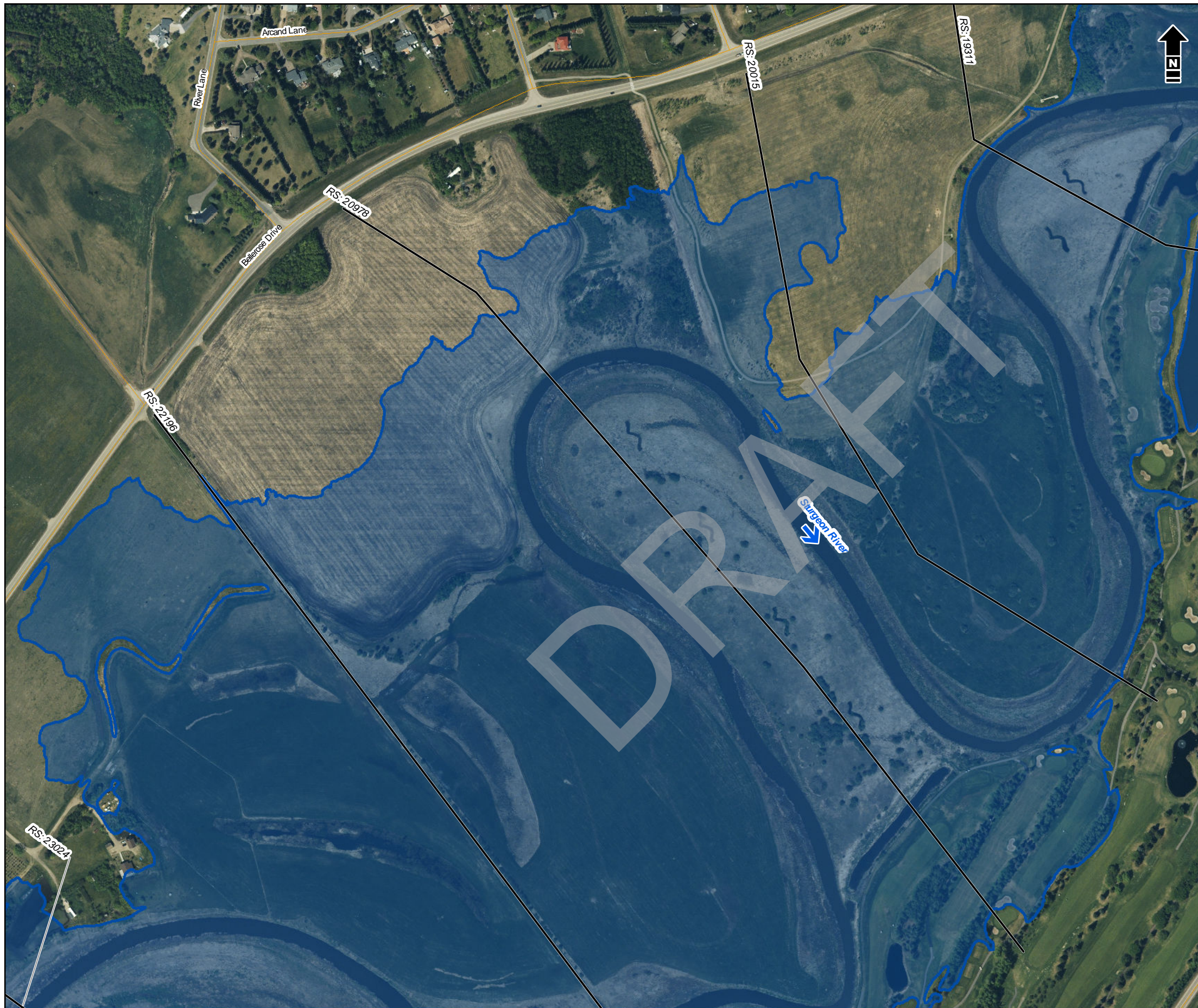
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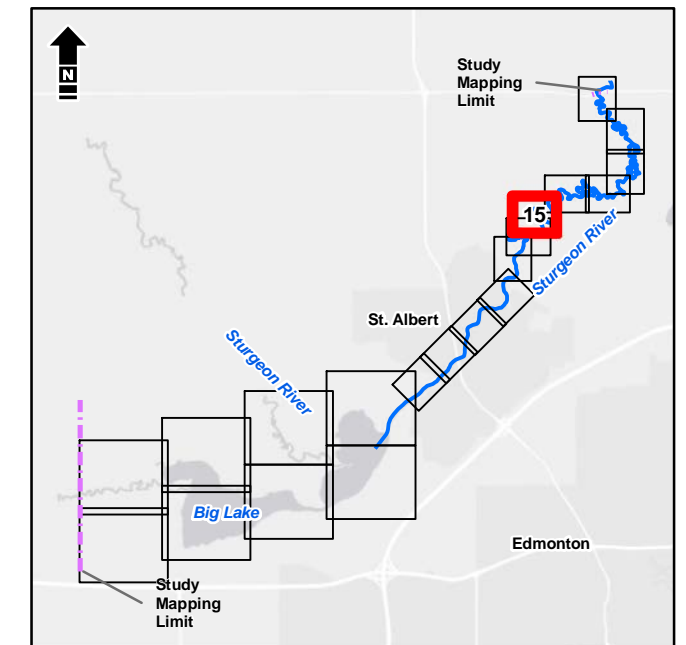
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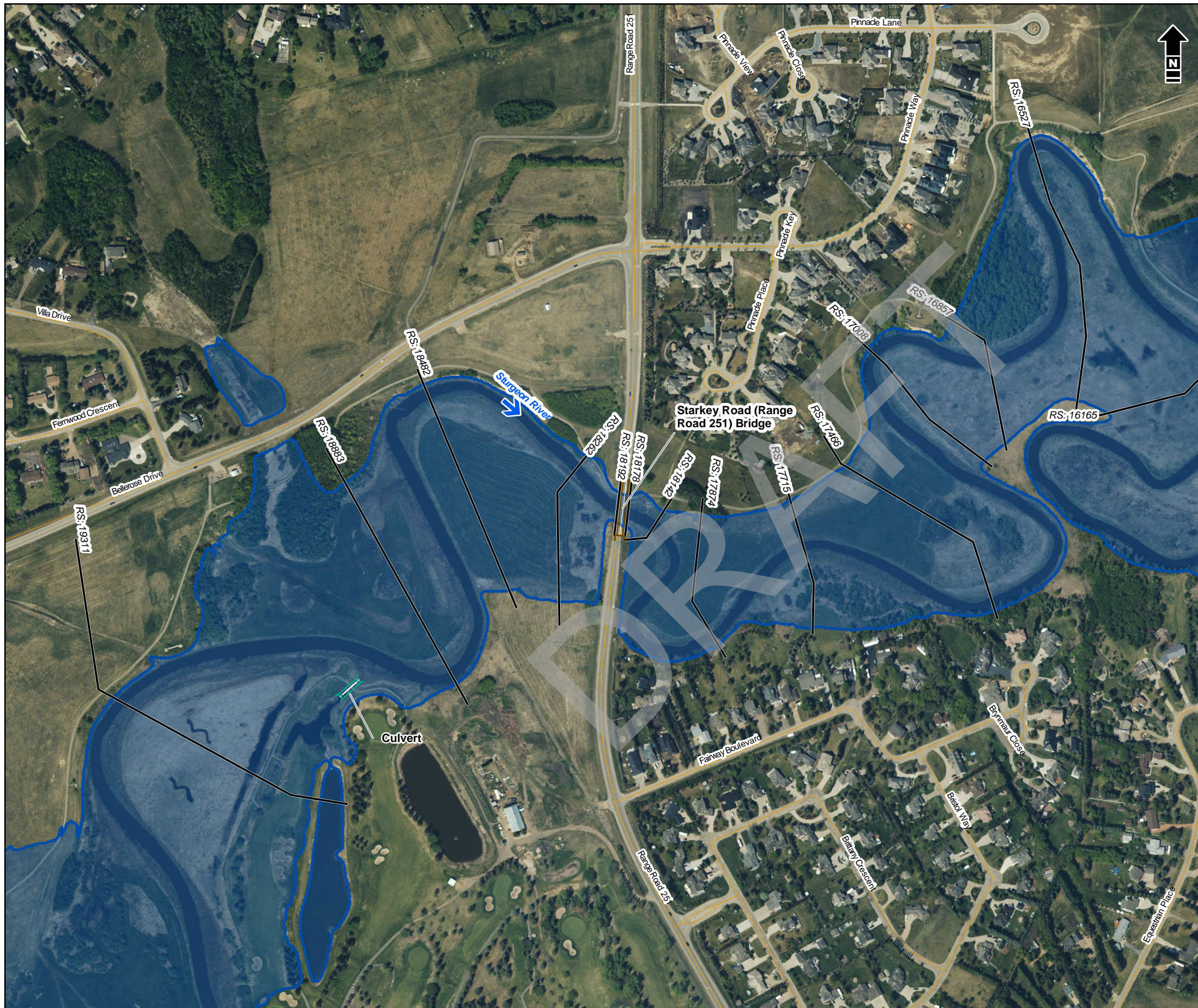
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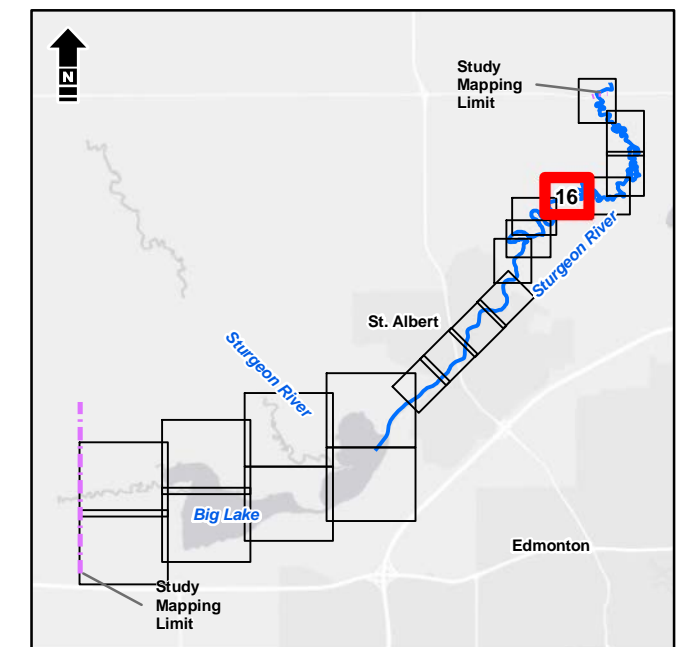
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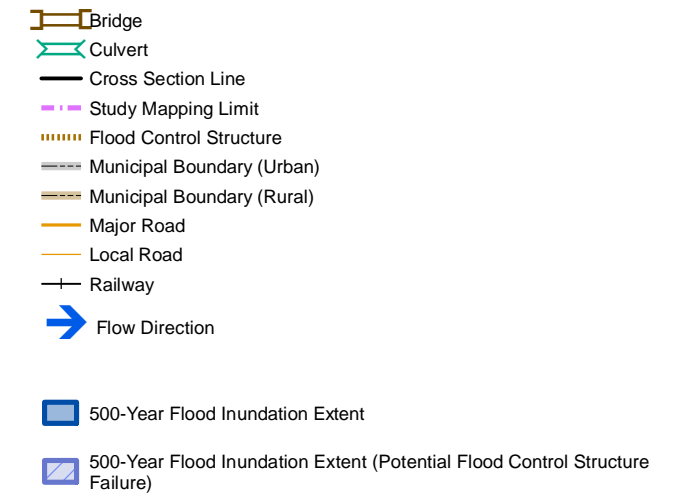
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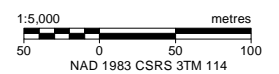
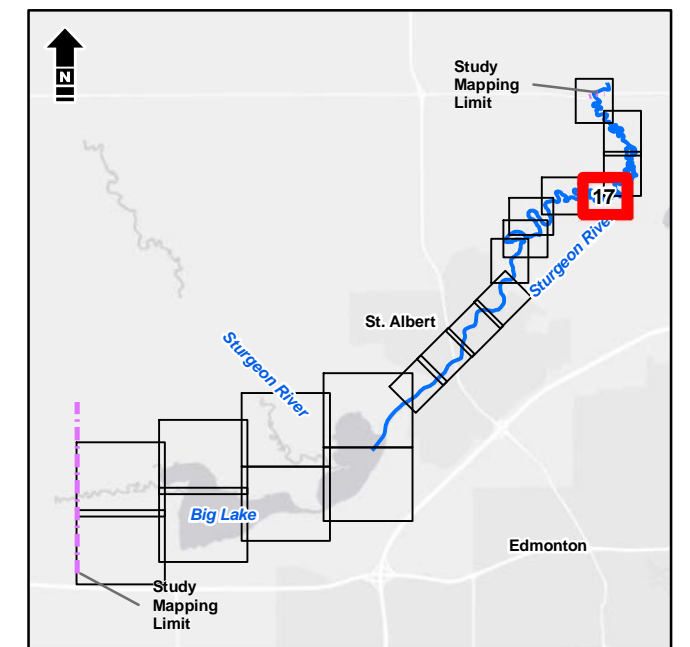
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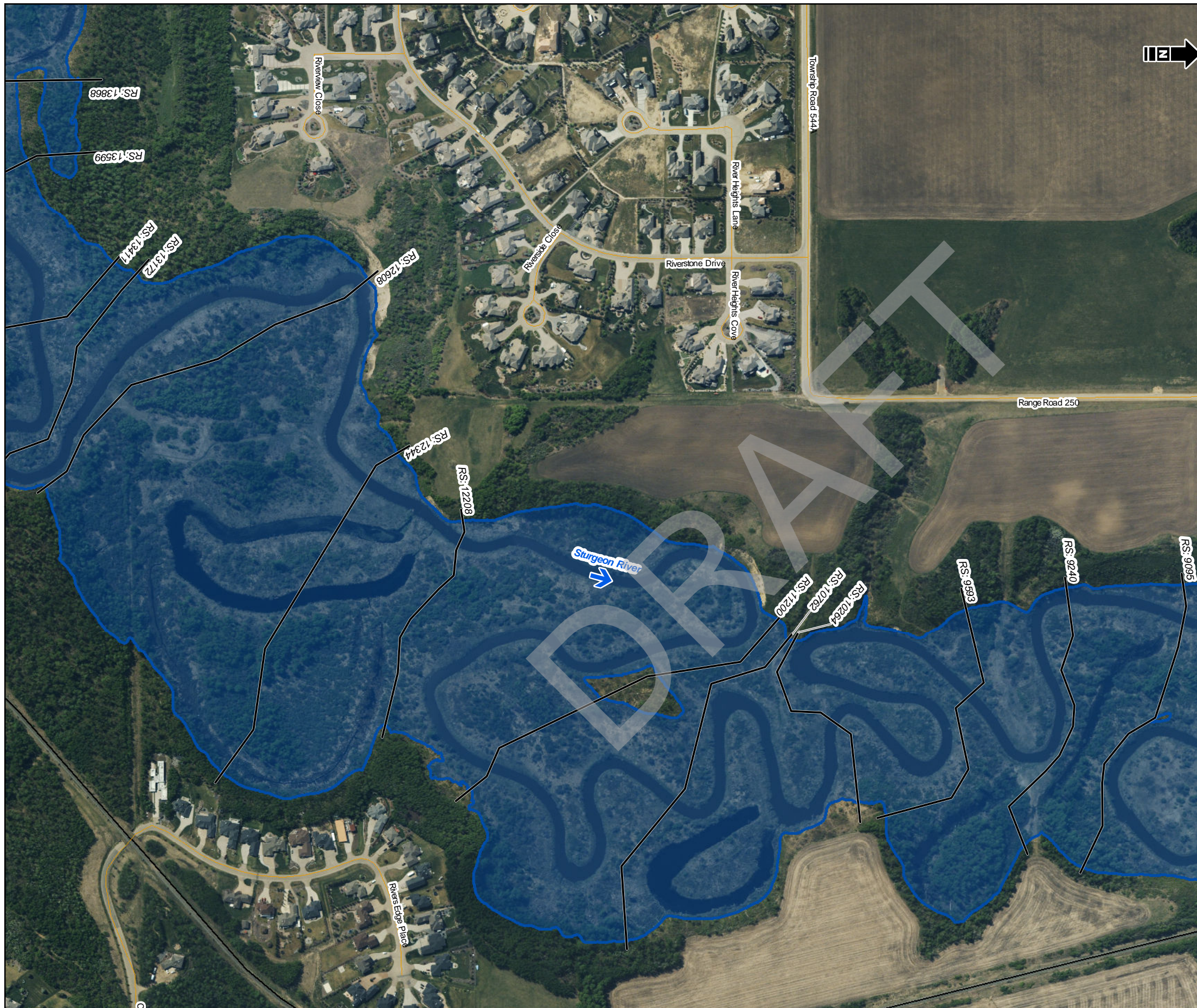
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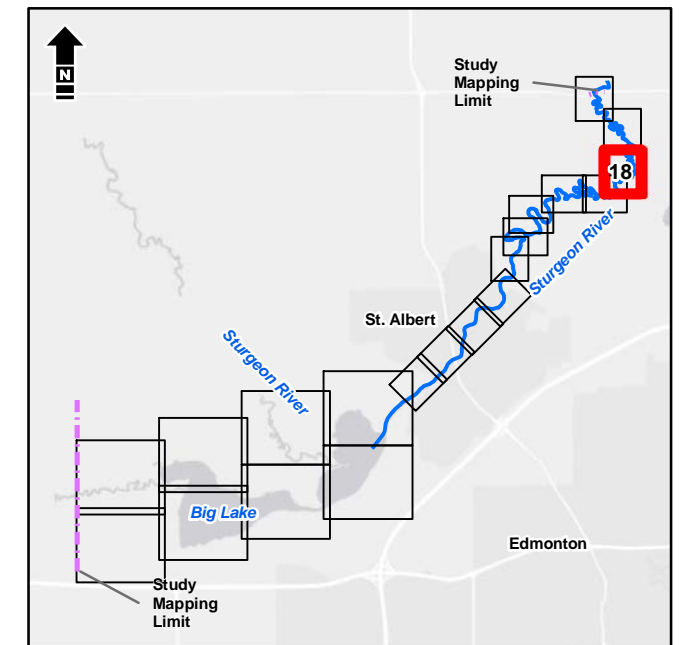
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1:5,000 metres  
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NAD 1983 CSRS 3TM 114

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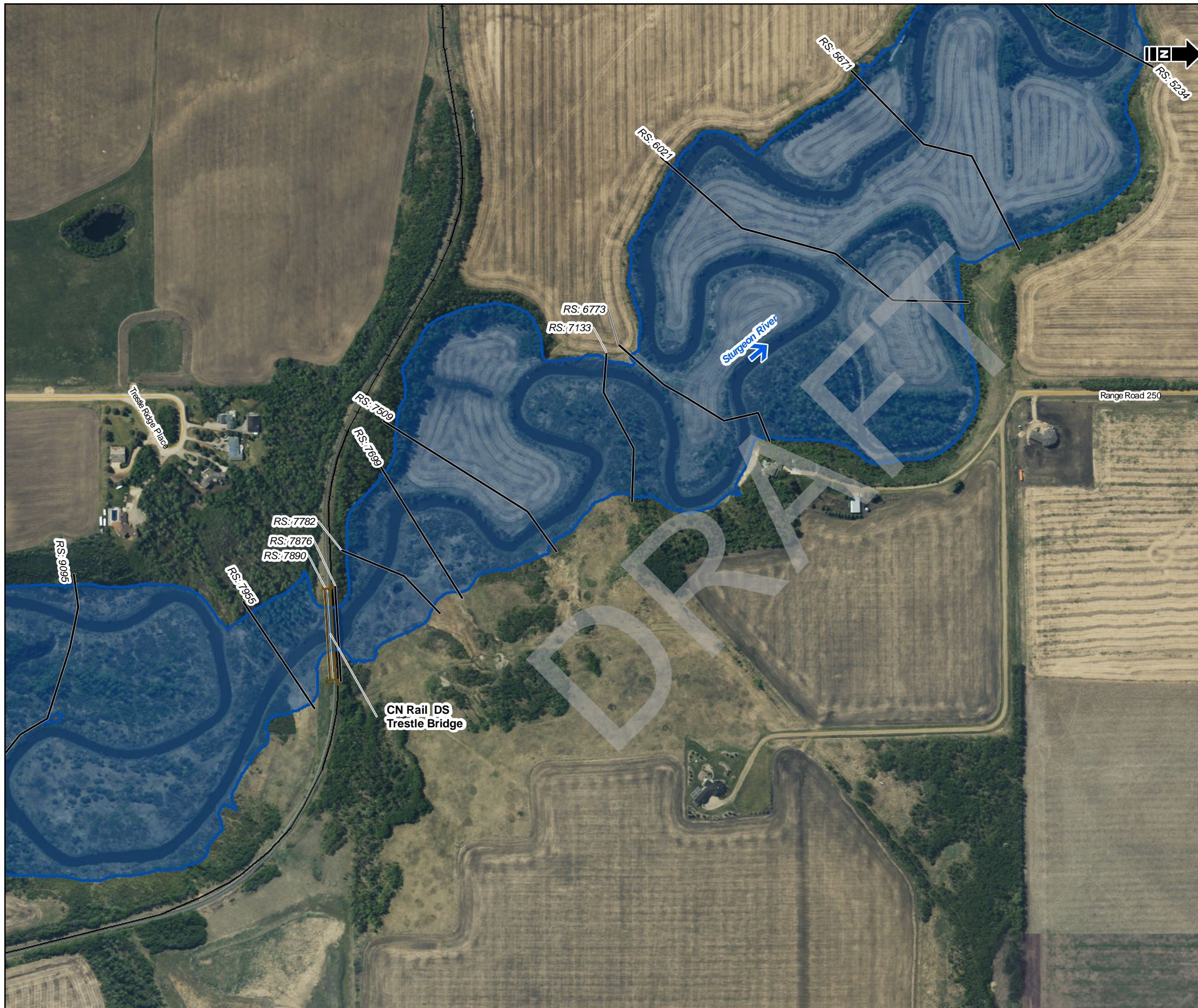
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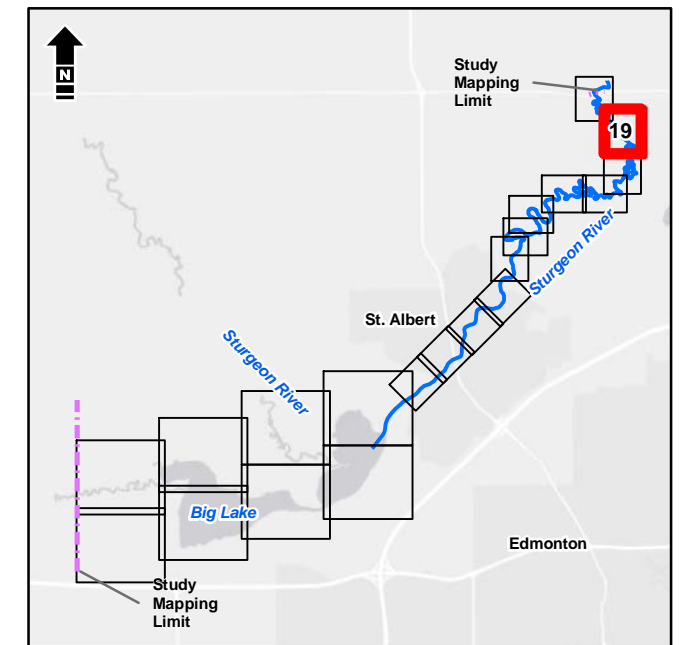
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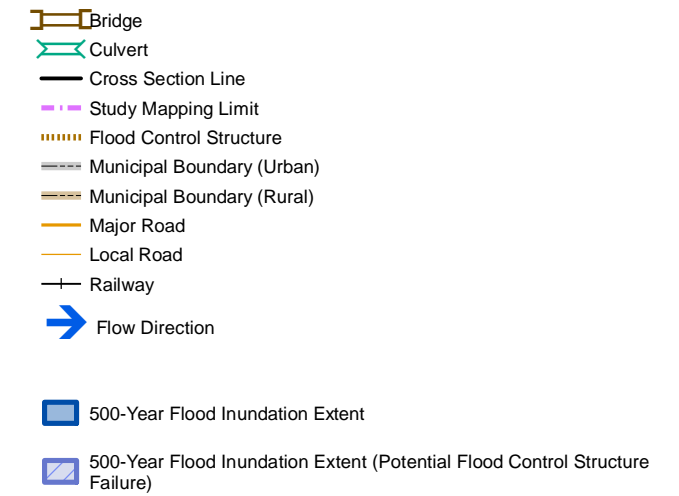
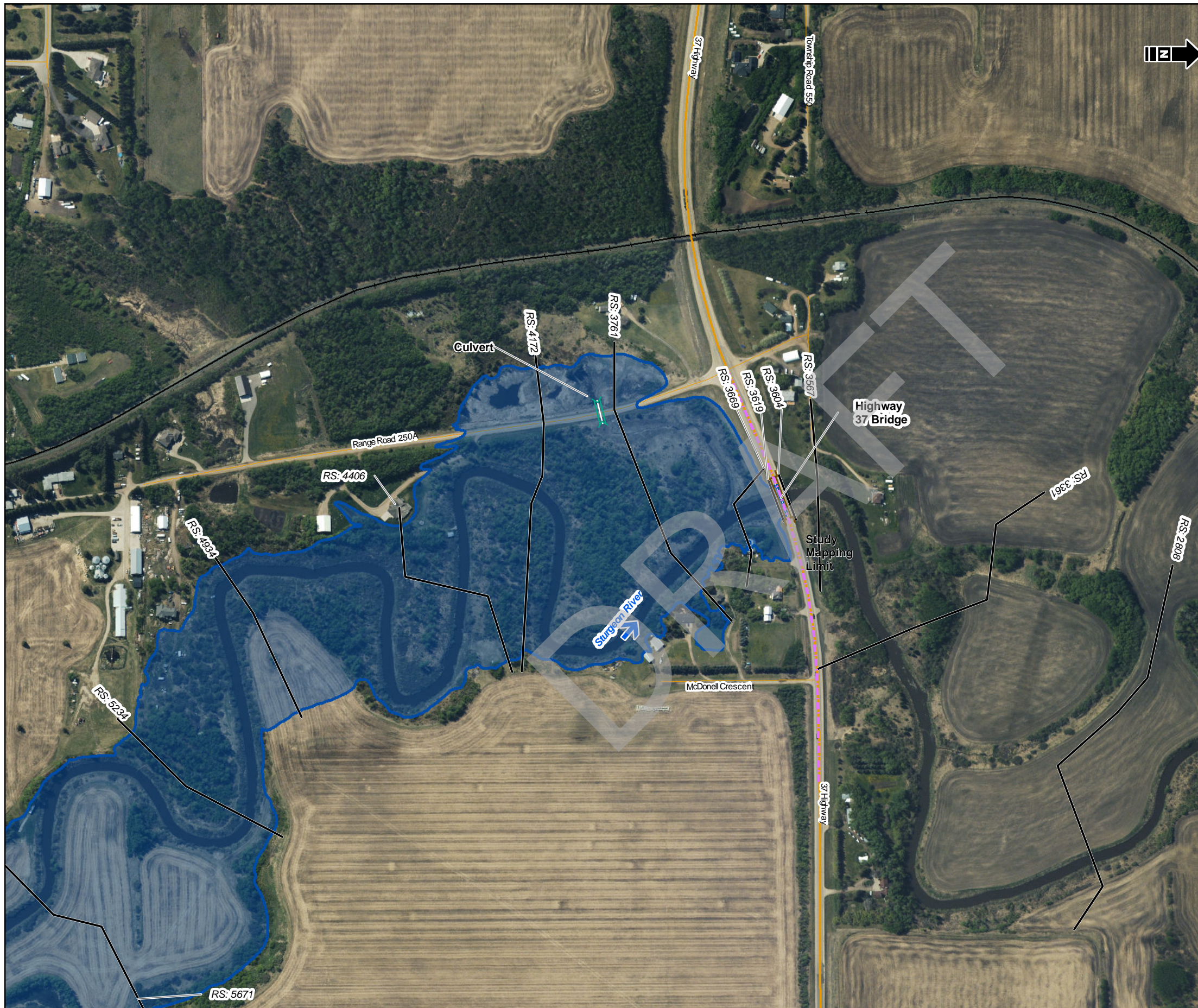
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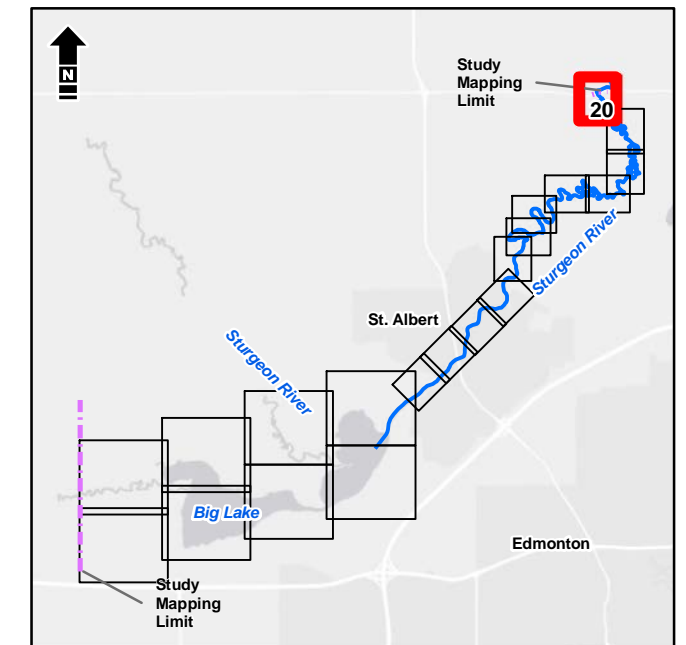
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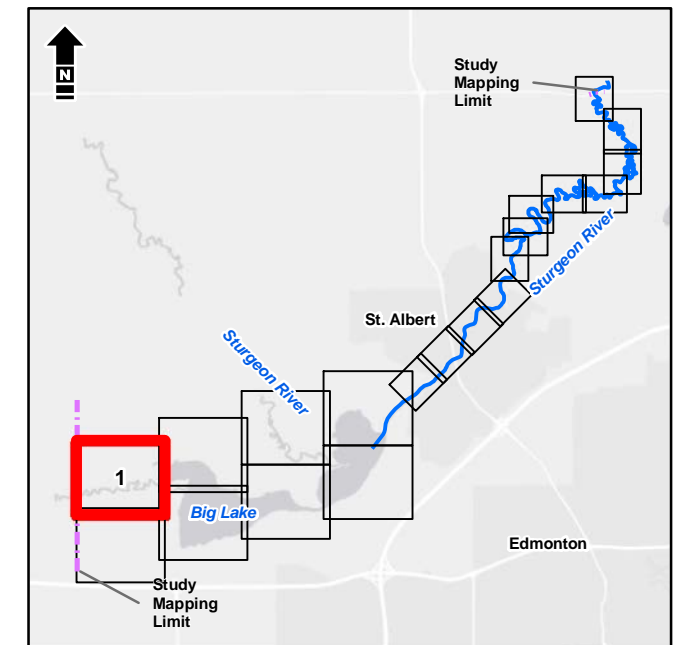
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1:10,000 metres  
 100 0 100 200  
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Alberta Government  
 St. Albert Flood Hazard Study

**Open Water Flood Inundation  
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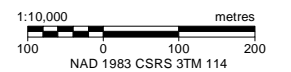
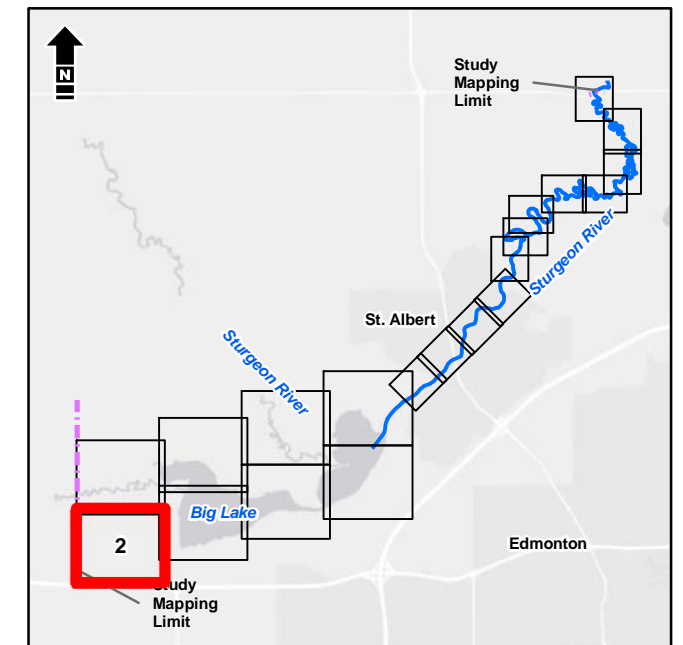
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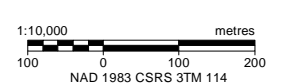
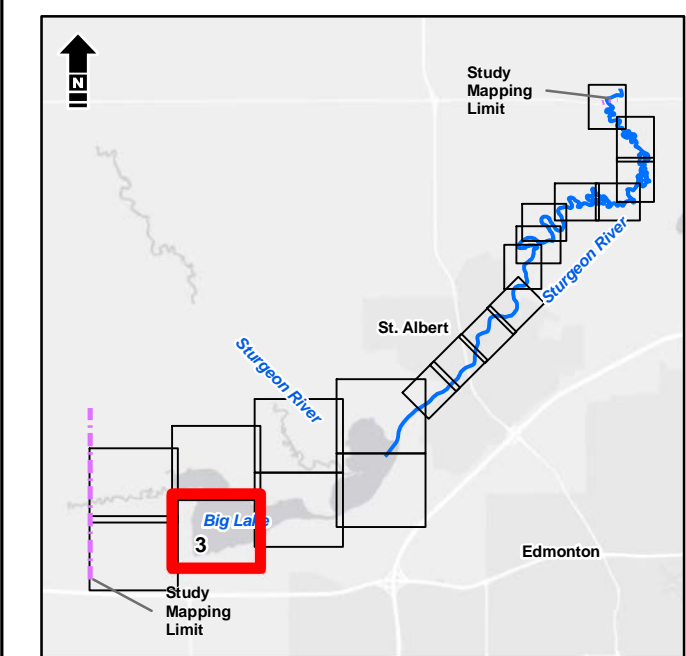
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 St. Albert Flood Hazard Study



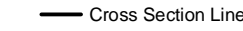
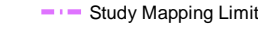
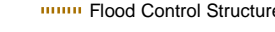

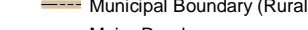





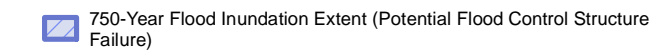
### Open Water Flood Inundation Mapbook | 750-Year

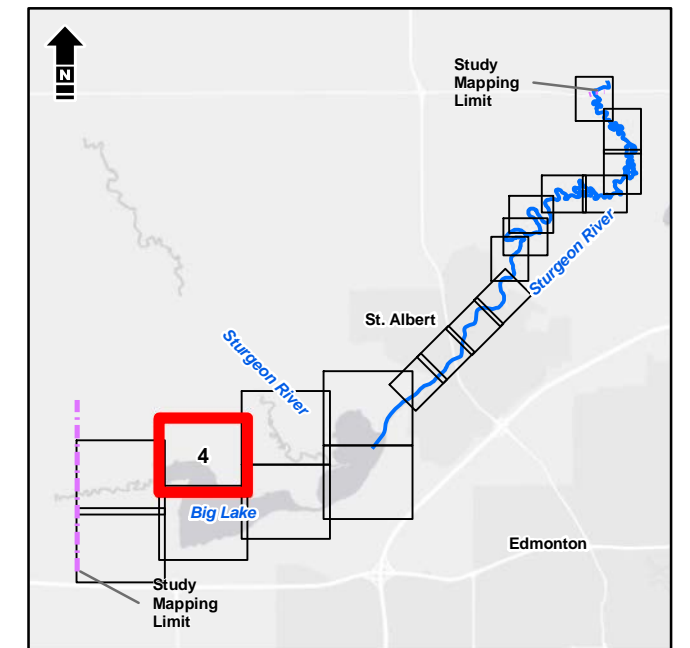
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-  Bridge
-  Culvert
-  Cross Section Line
-  Study Mapping Limit
-  Flood Control Structure
-  Municipal Boundary (Urban)
-  Municipal Boundary (Rural)
-  Major Road
-  Local Road
-  Railway
-  Flow Direction
  
-  750-Year Flood Inundation Extent
-  750-Year Flood Inundation Extent (Potential Flood Control Structure Failure)



1:10,000 metres  
 100 0 100 200  
 NAD 1983 CSRS 3TM 114

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Alberta Government  
 St. Albert Flood Hazard Study

**Open Water Flood Inundation  
 Mapbook | 750-Year**

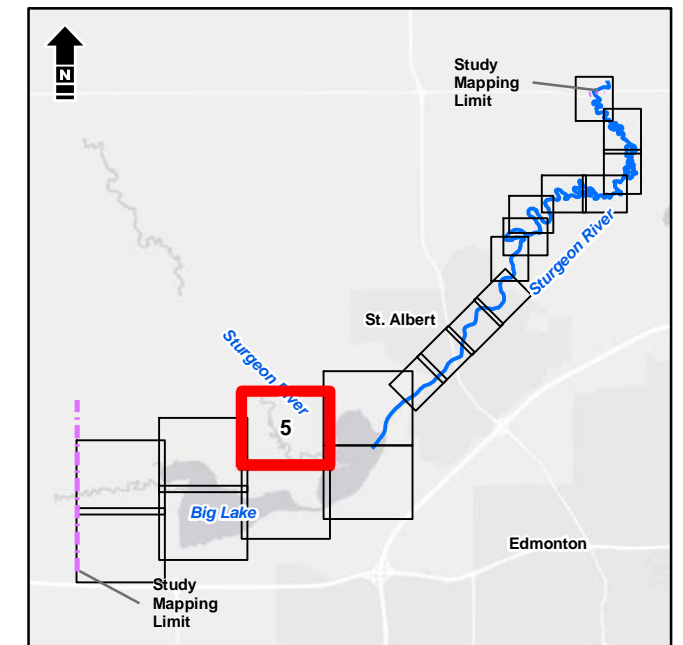
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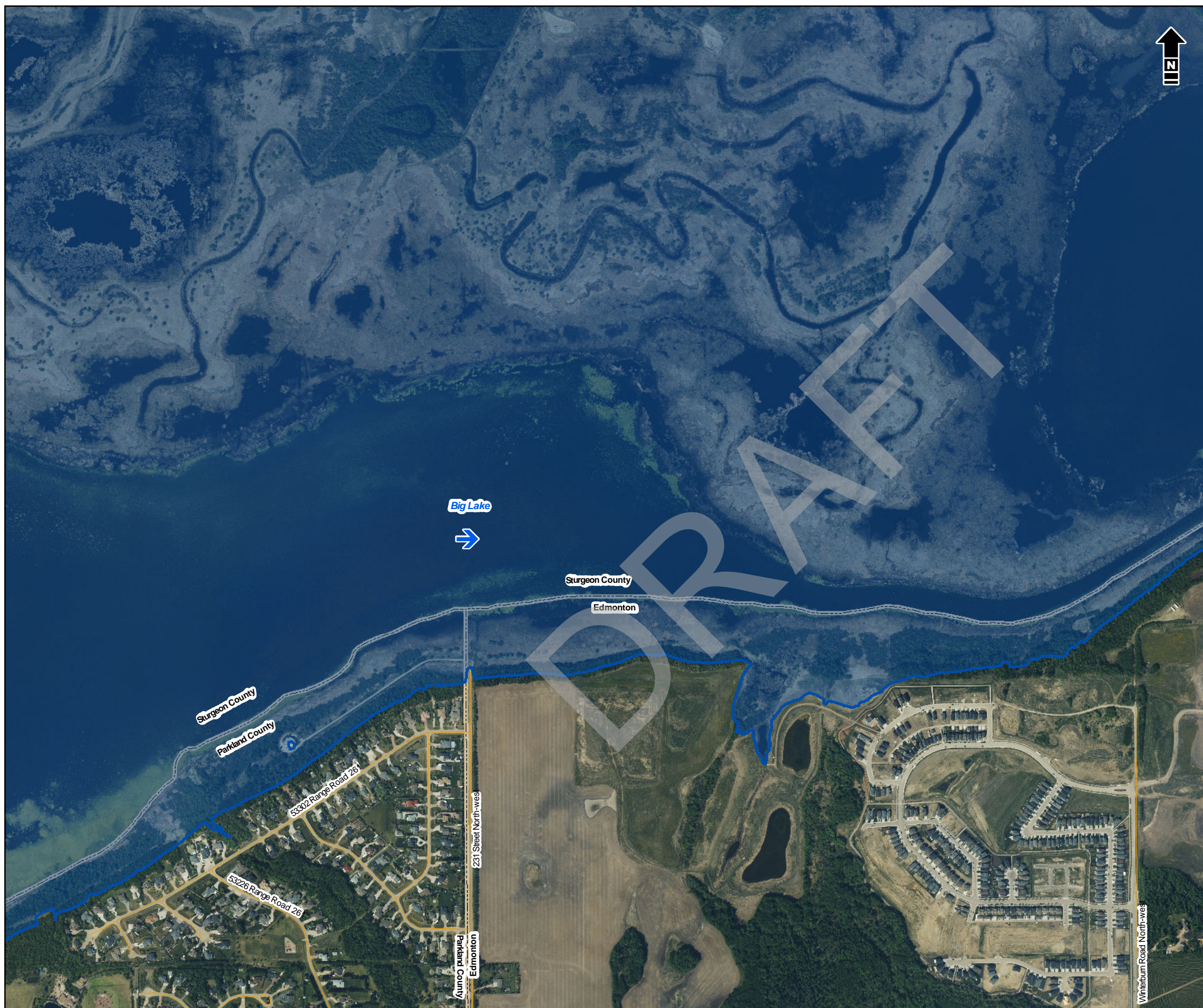
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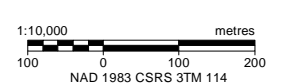
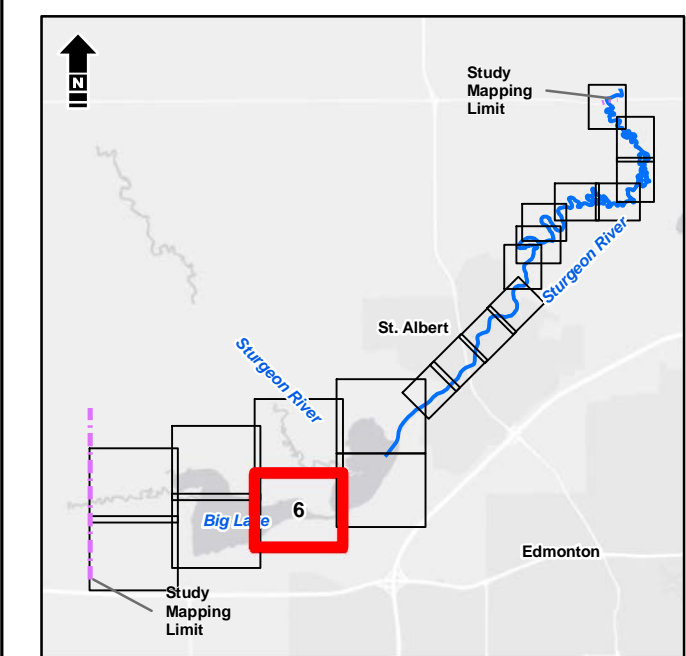
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St. Albert Flood Hazard Study

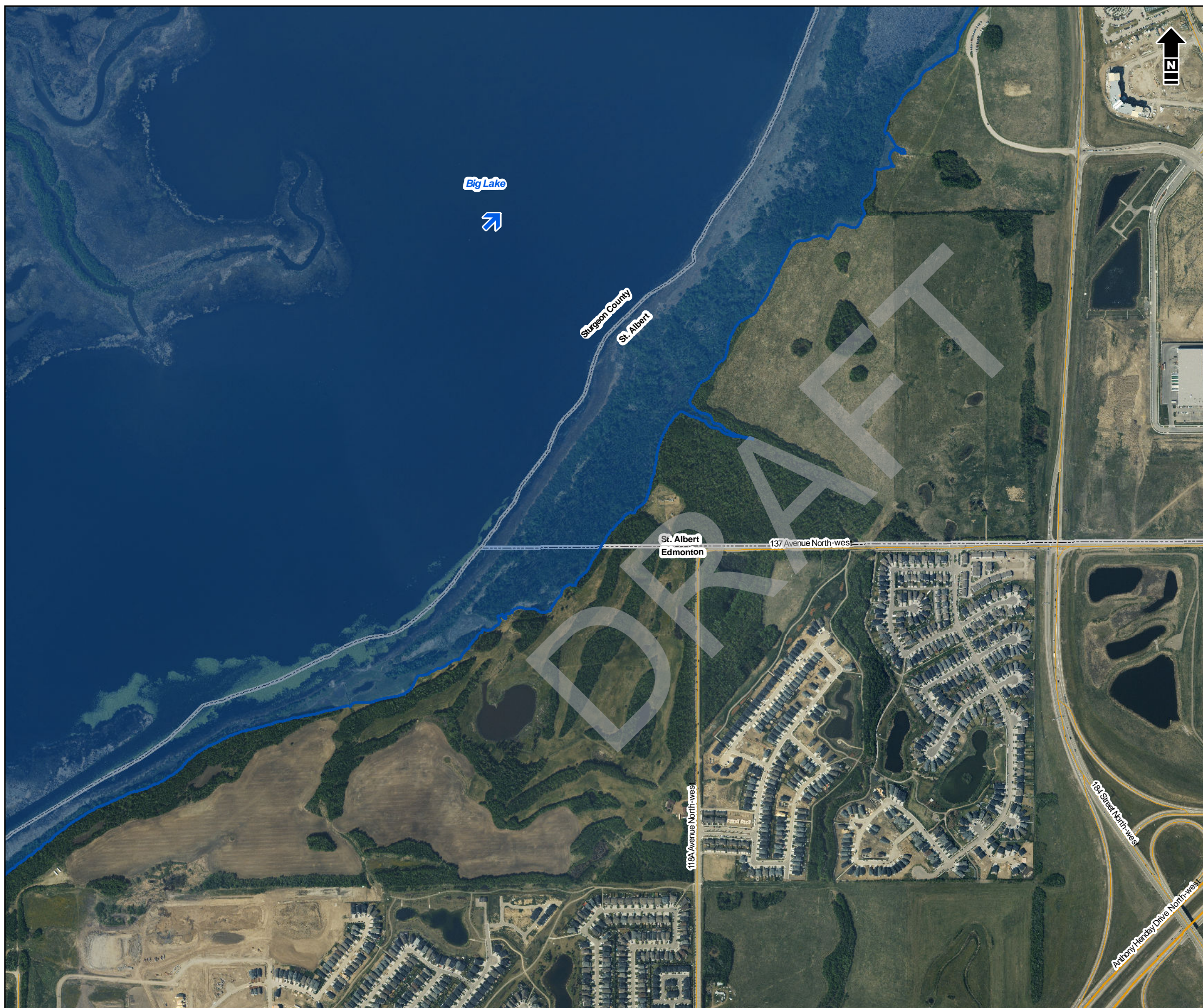
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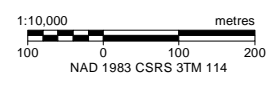
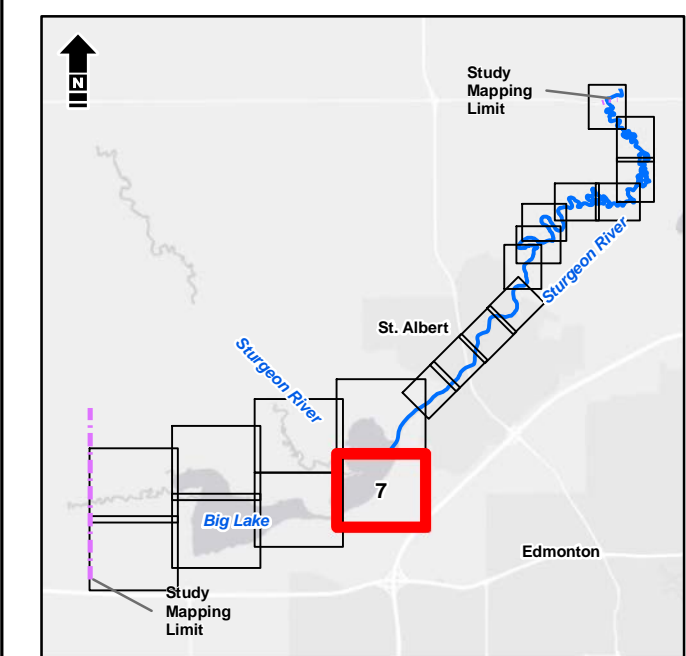
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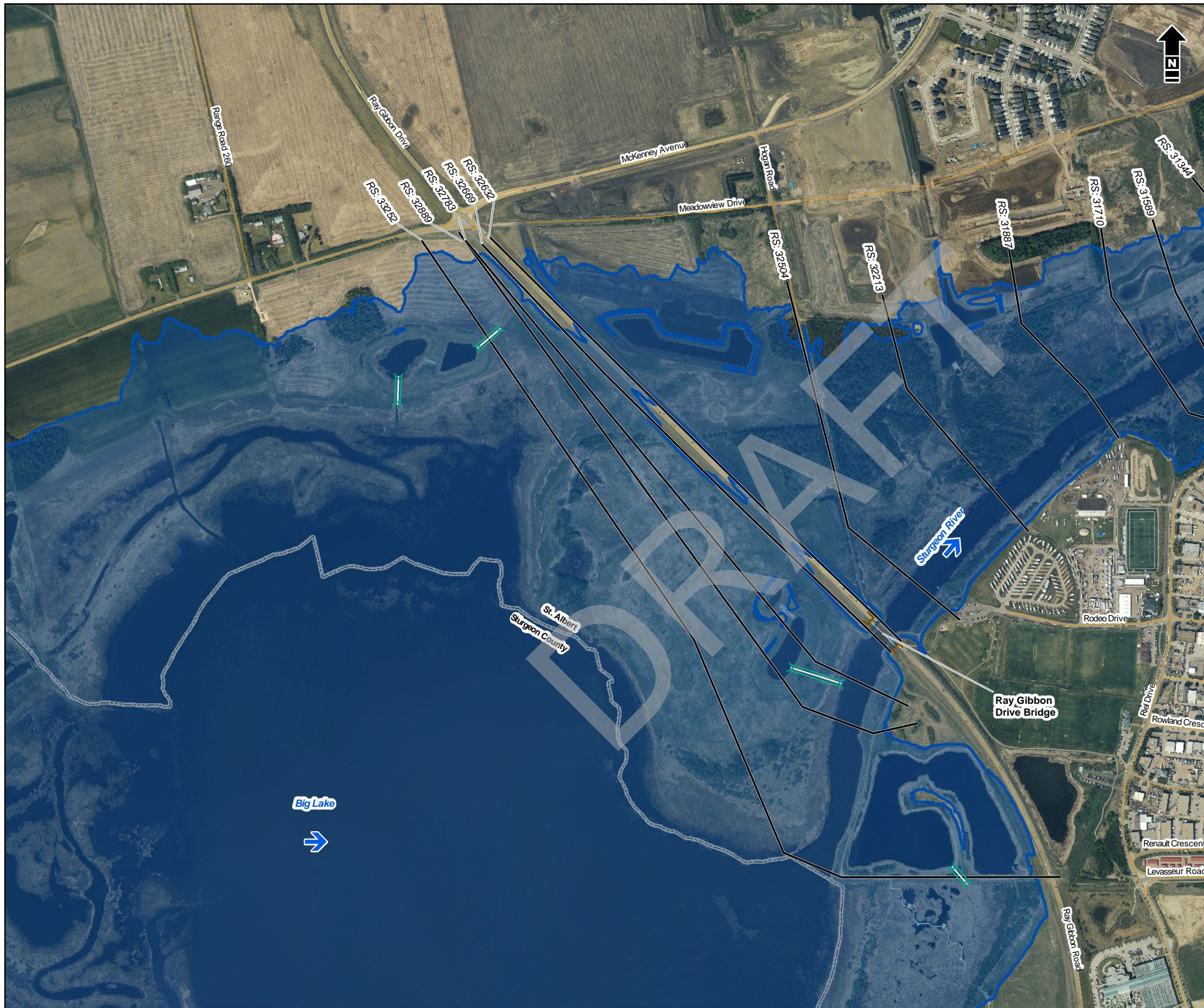
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St. Albert Flood Hazard Study

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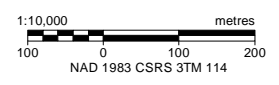
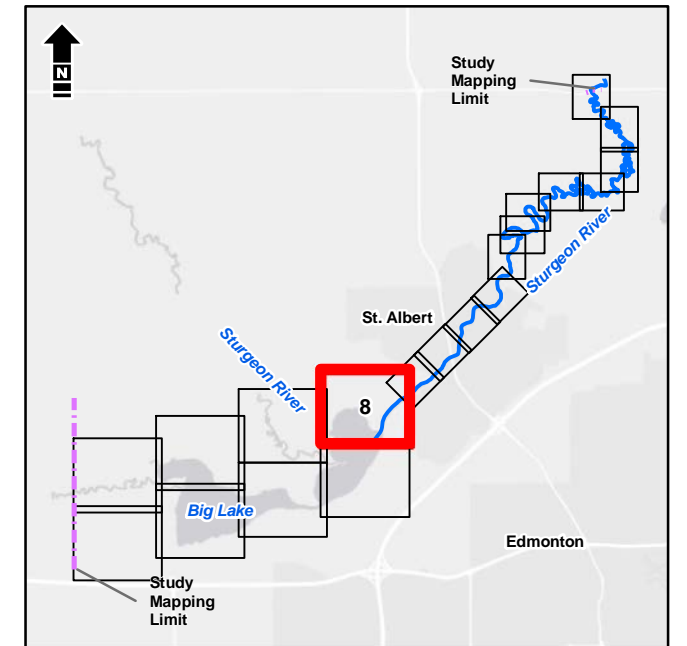
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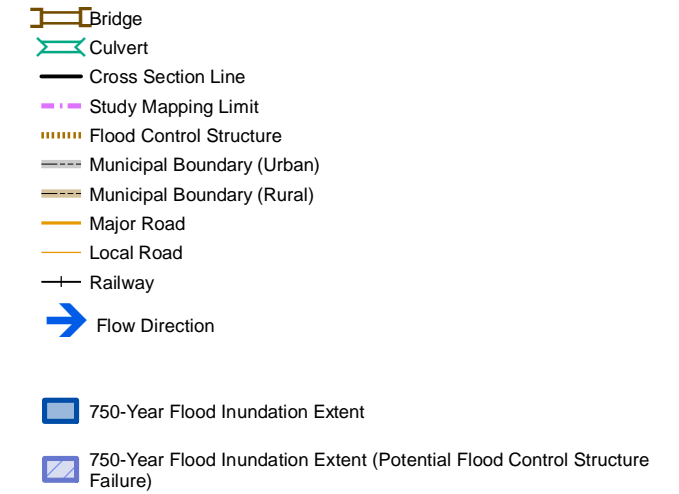
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 Mapbook | 750-Year**

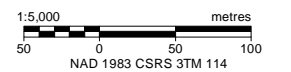
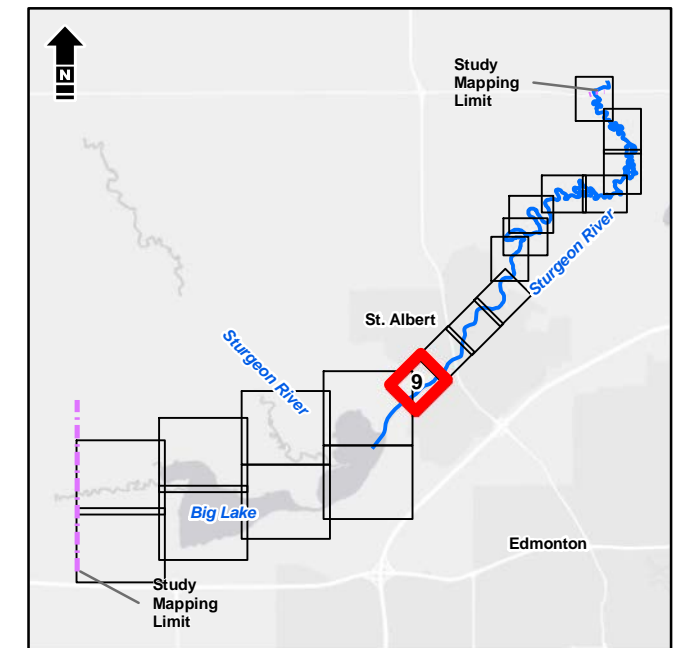
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**DISCHARGE**  
Sturgeon River = 155 m<sup>3</sup>/s



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St. Albert Flood Hazard Study

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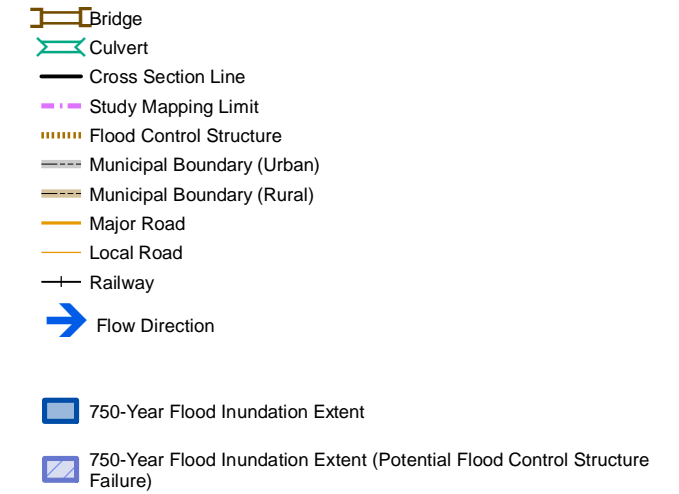
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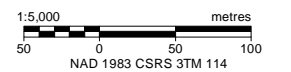
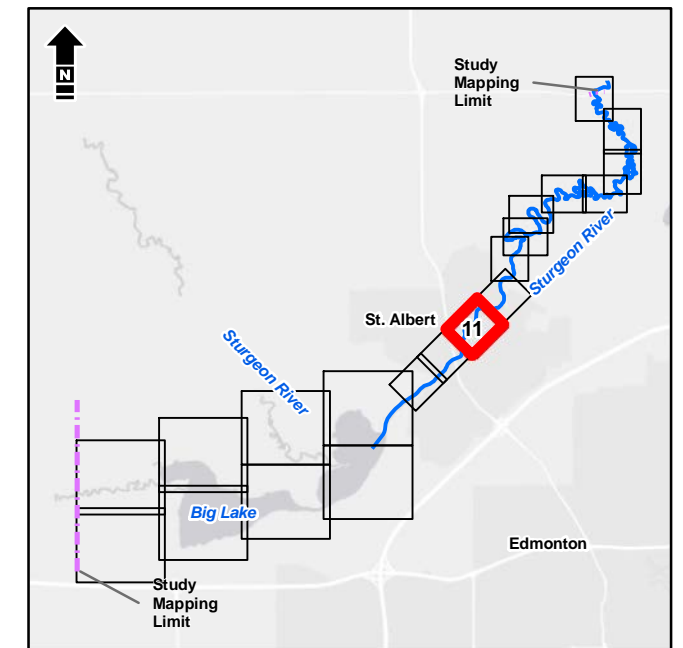








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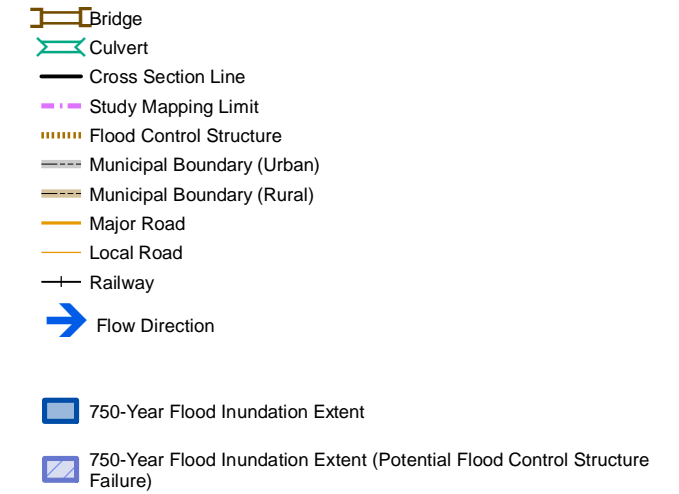
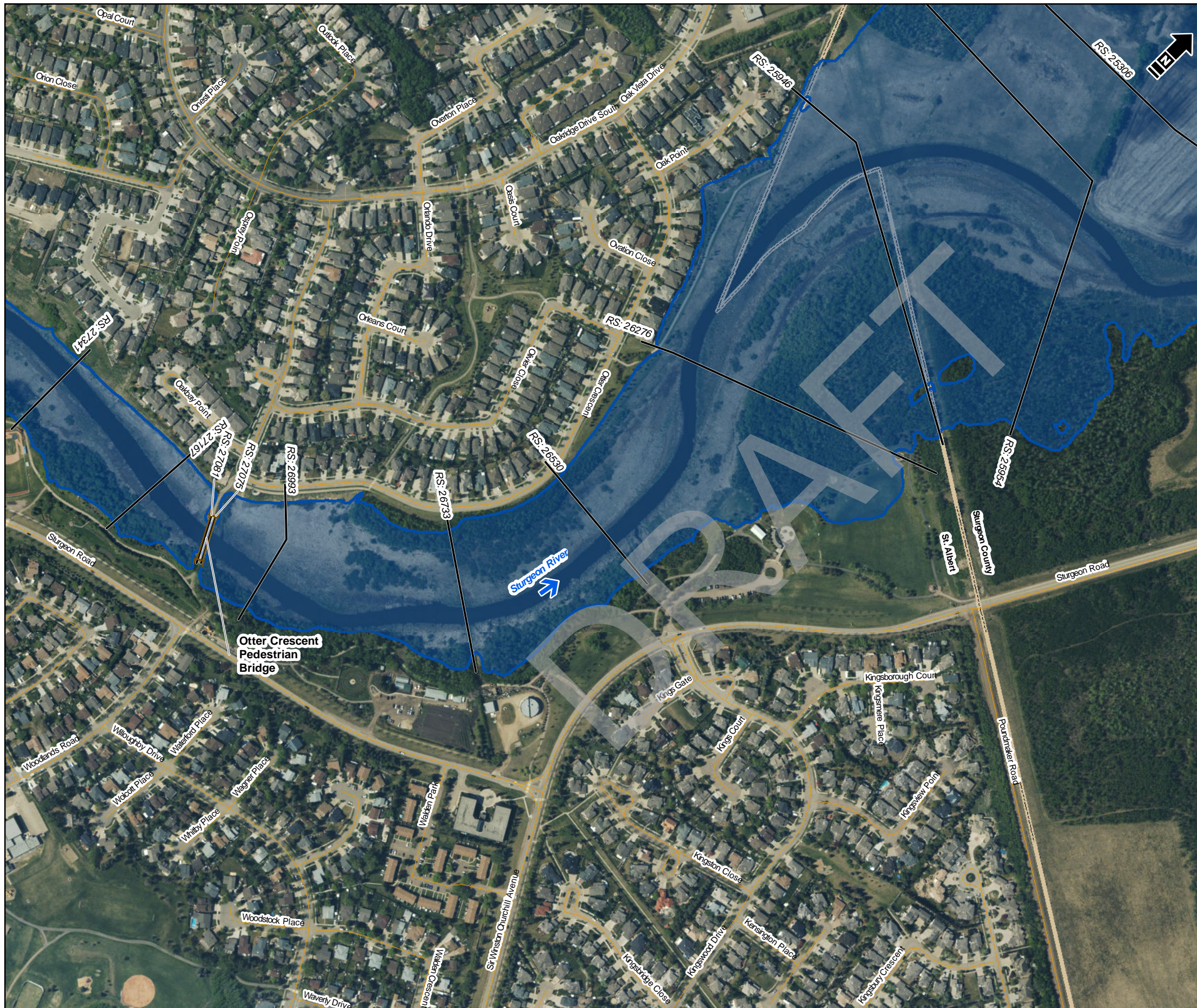
Alberta Government  
St. Albert Flood Hazard Study

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Mapbook | 750-Year**

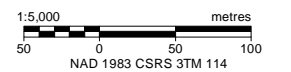
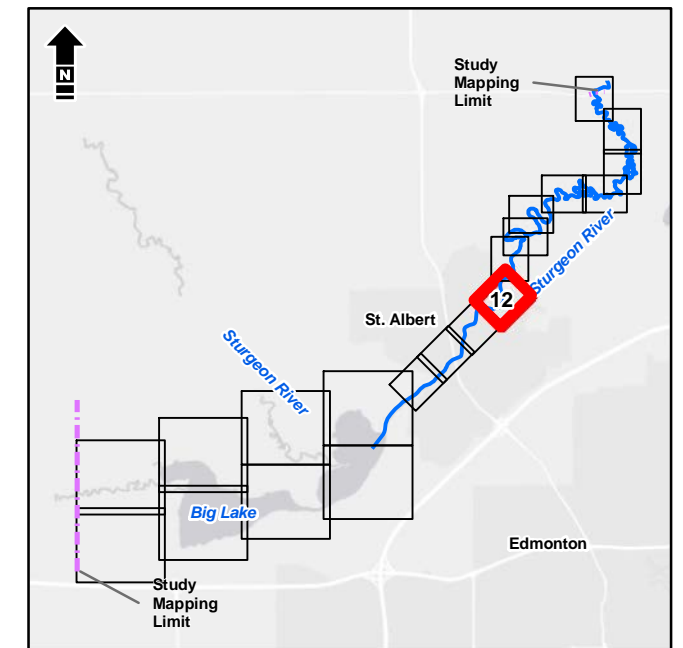
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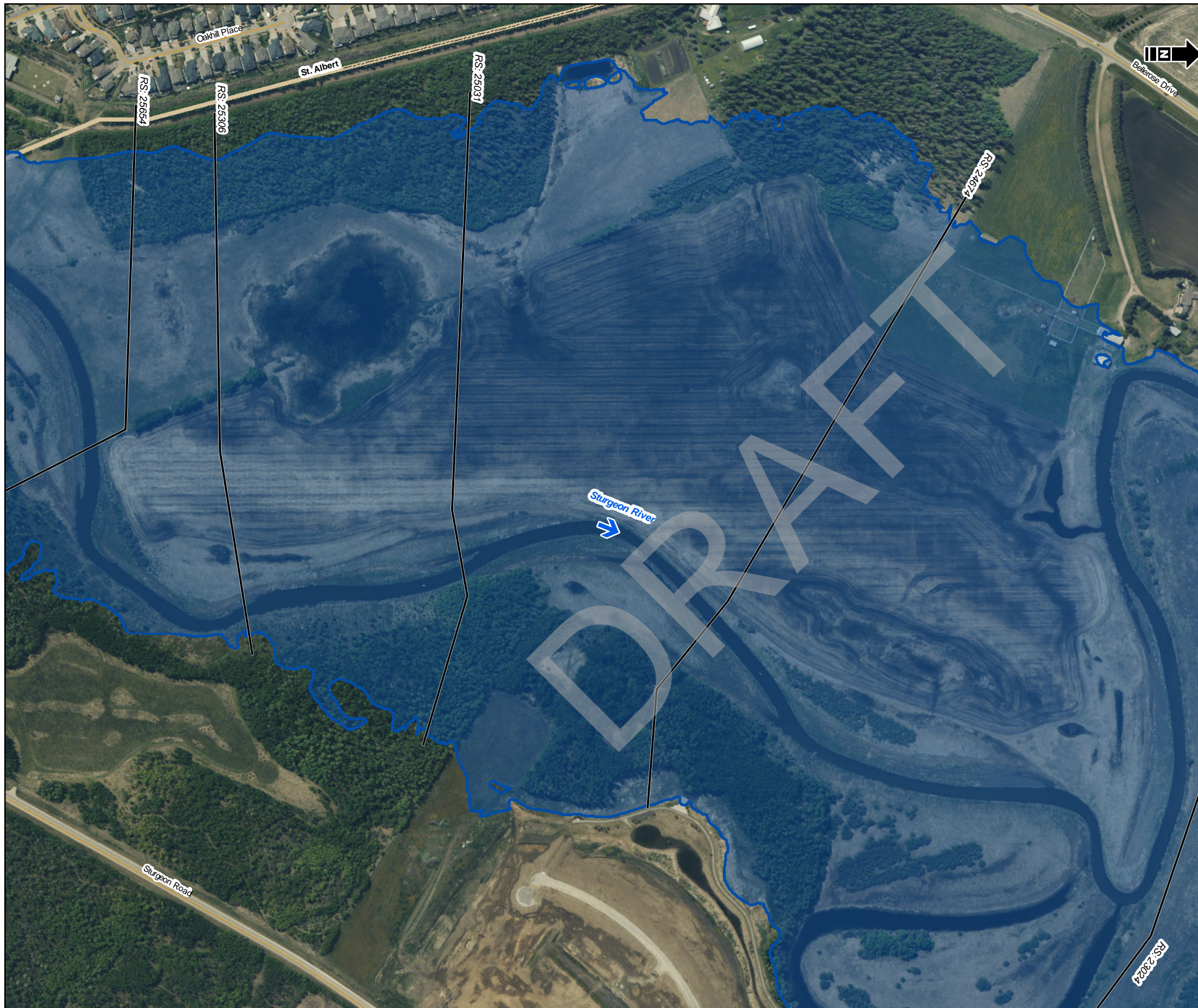
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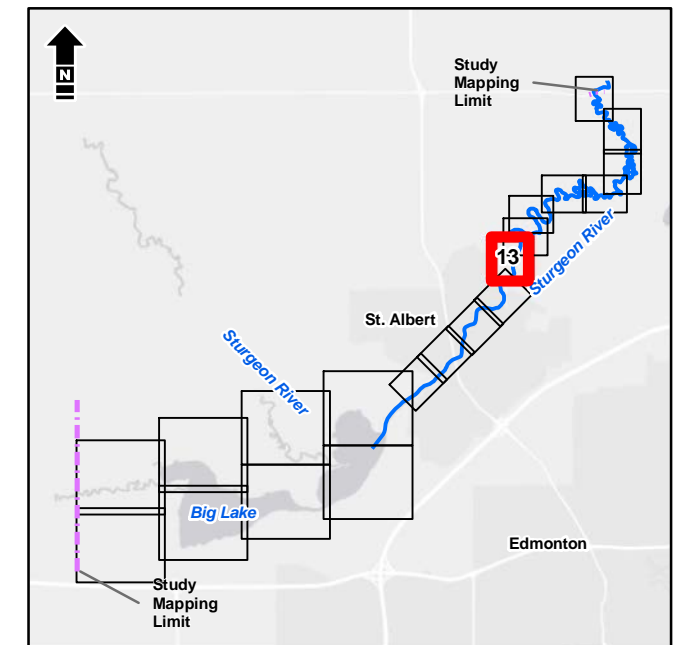
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1:5,000 metres  
0 50 100  
NAD 1983 CSRS 3TM 114

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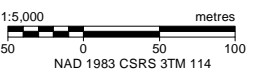
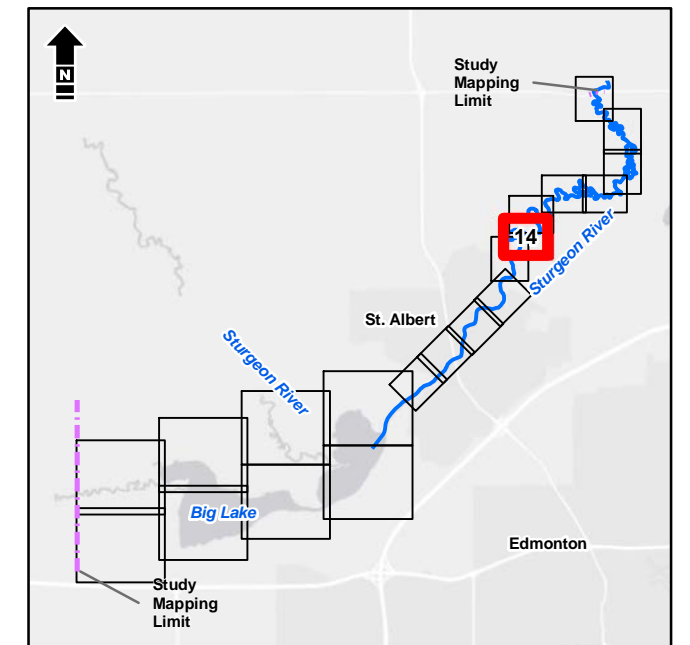
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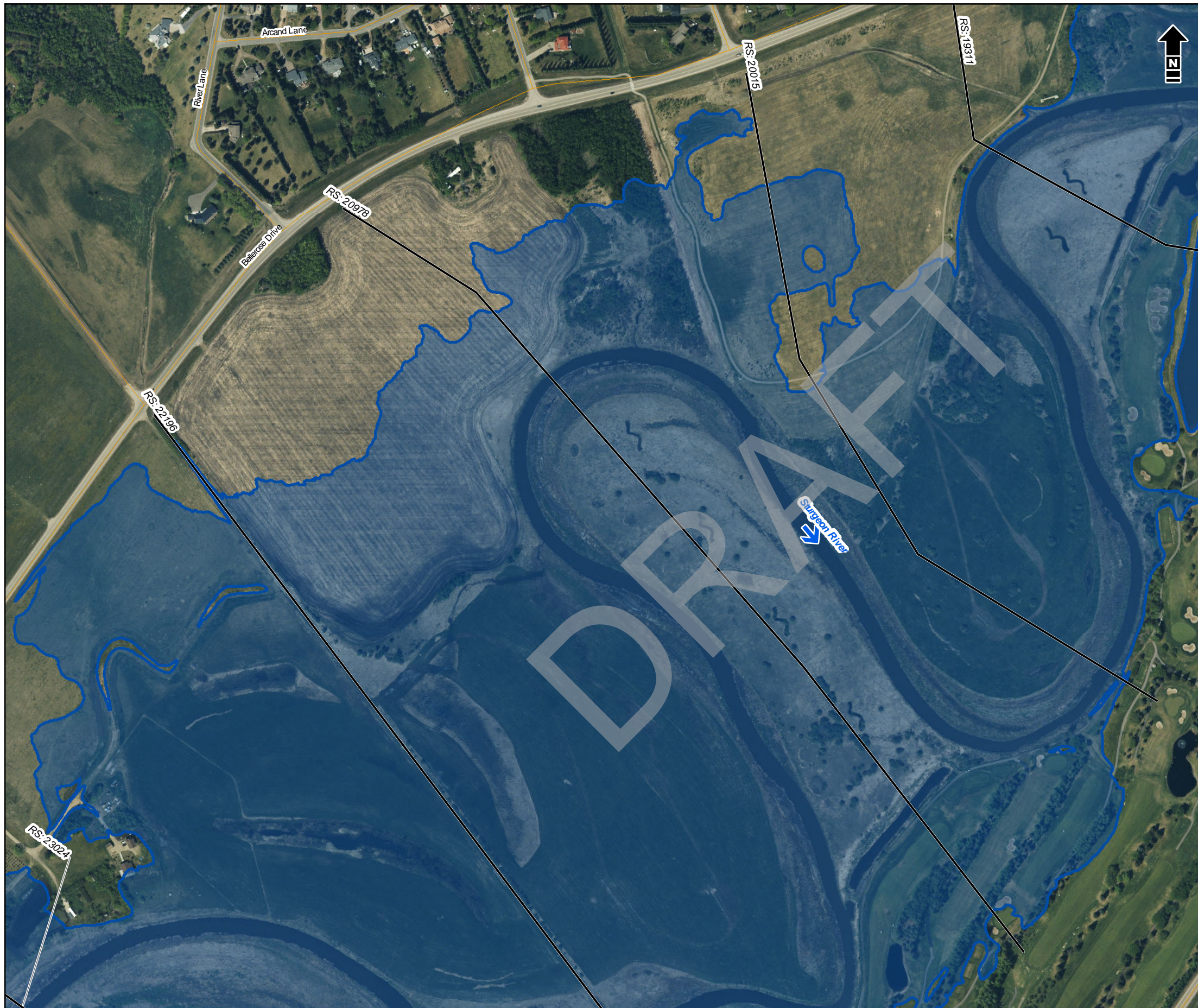
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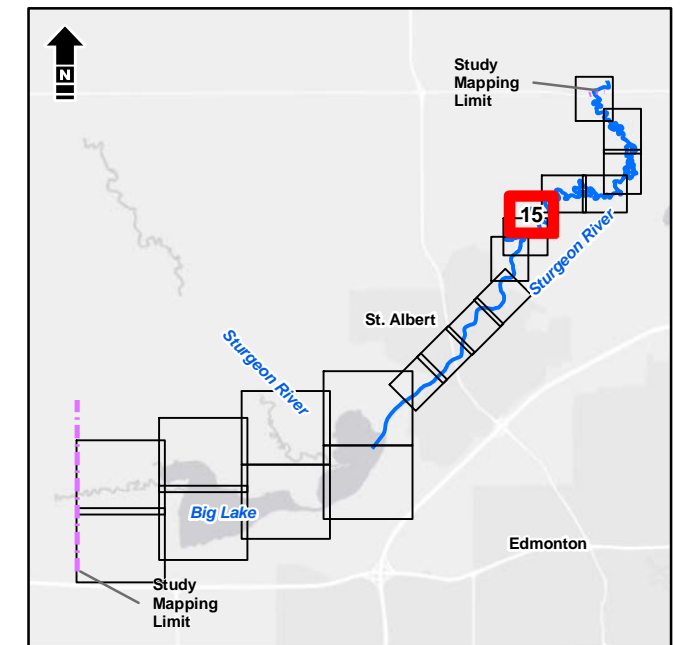
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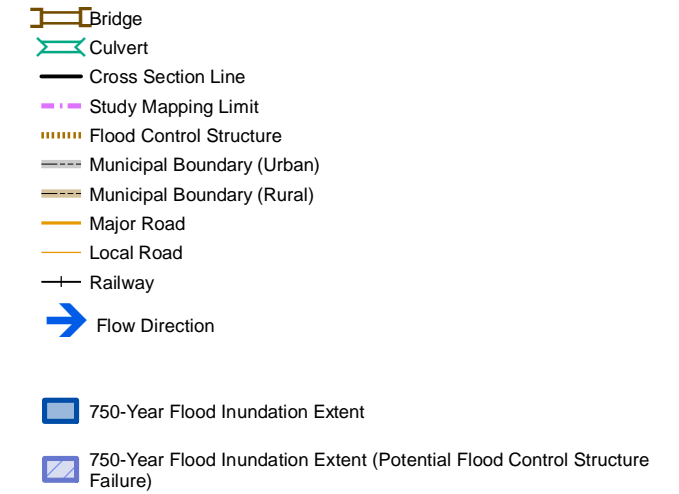
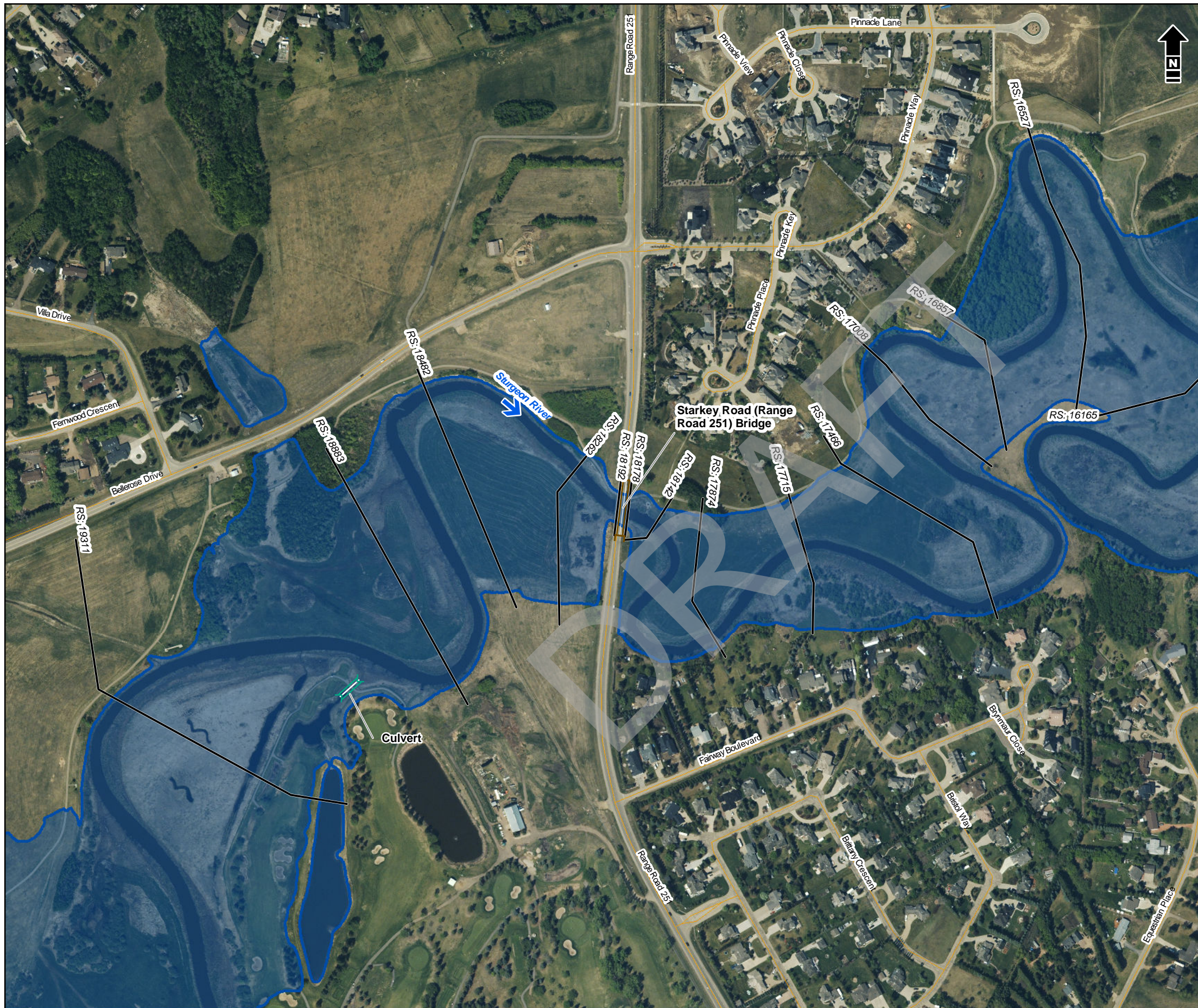
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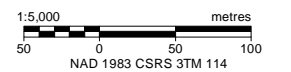
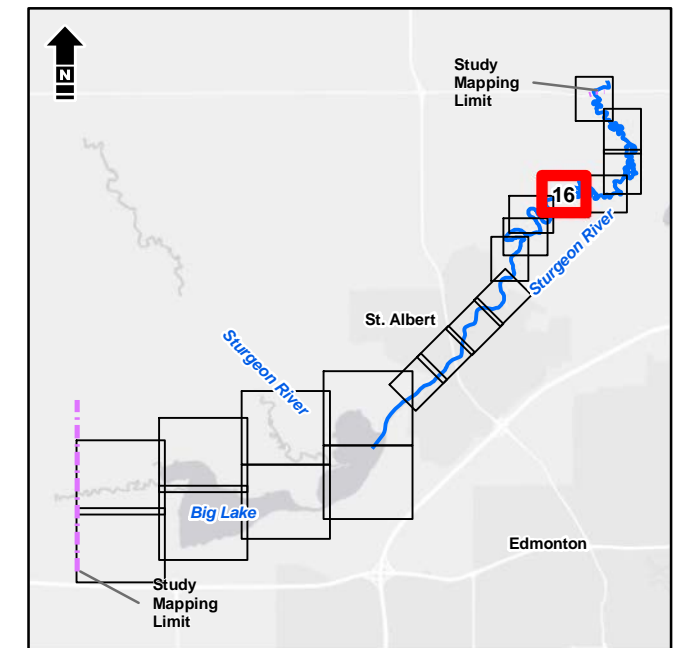
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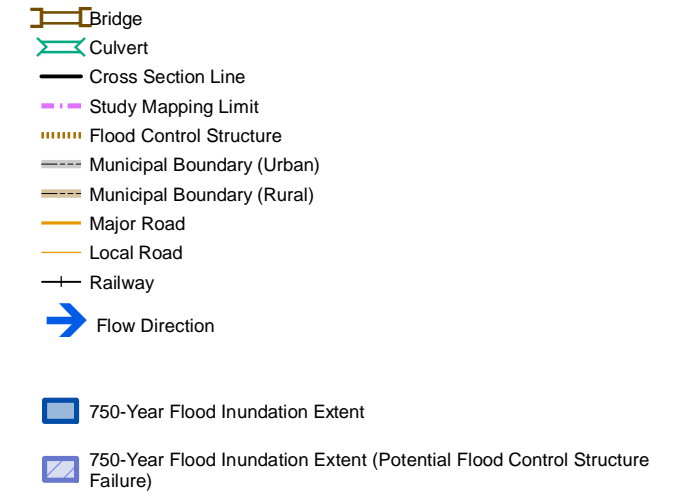
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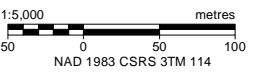
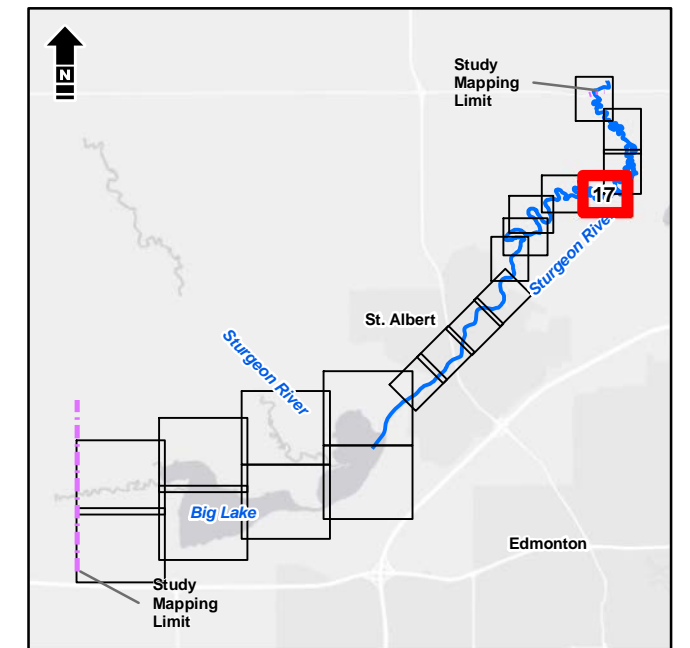
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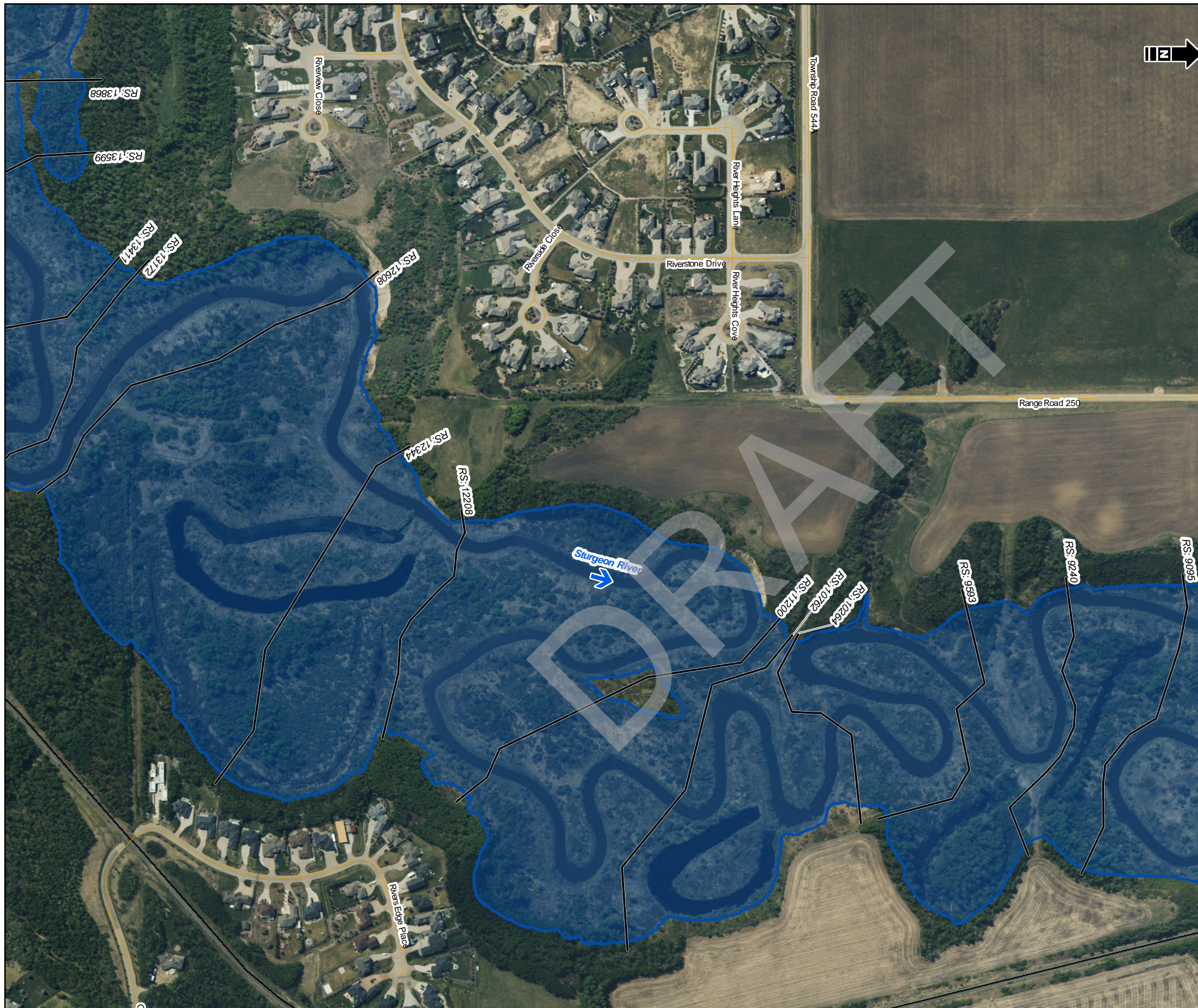
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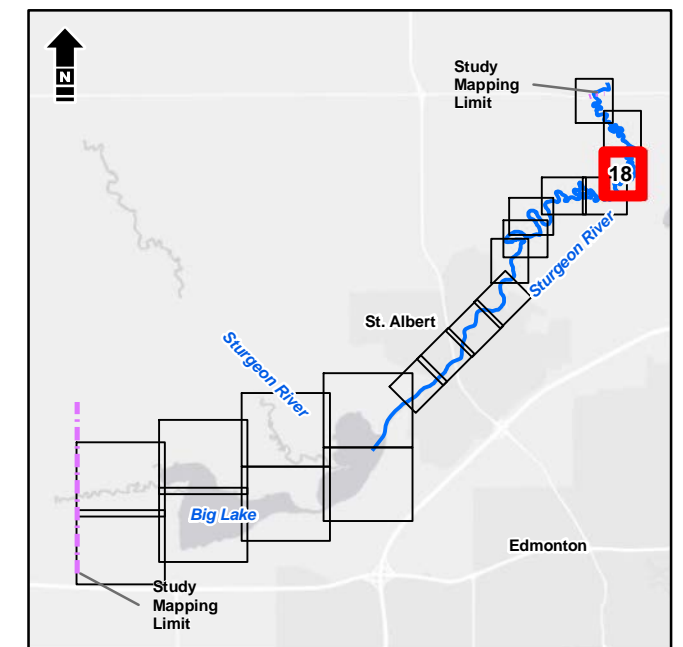
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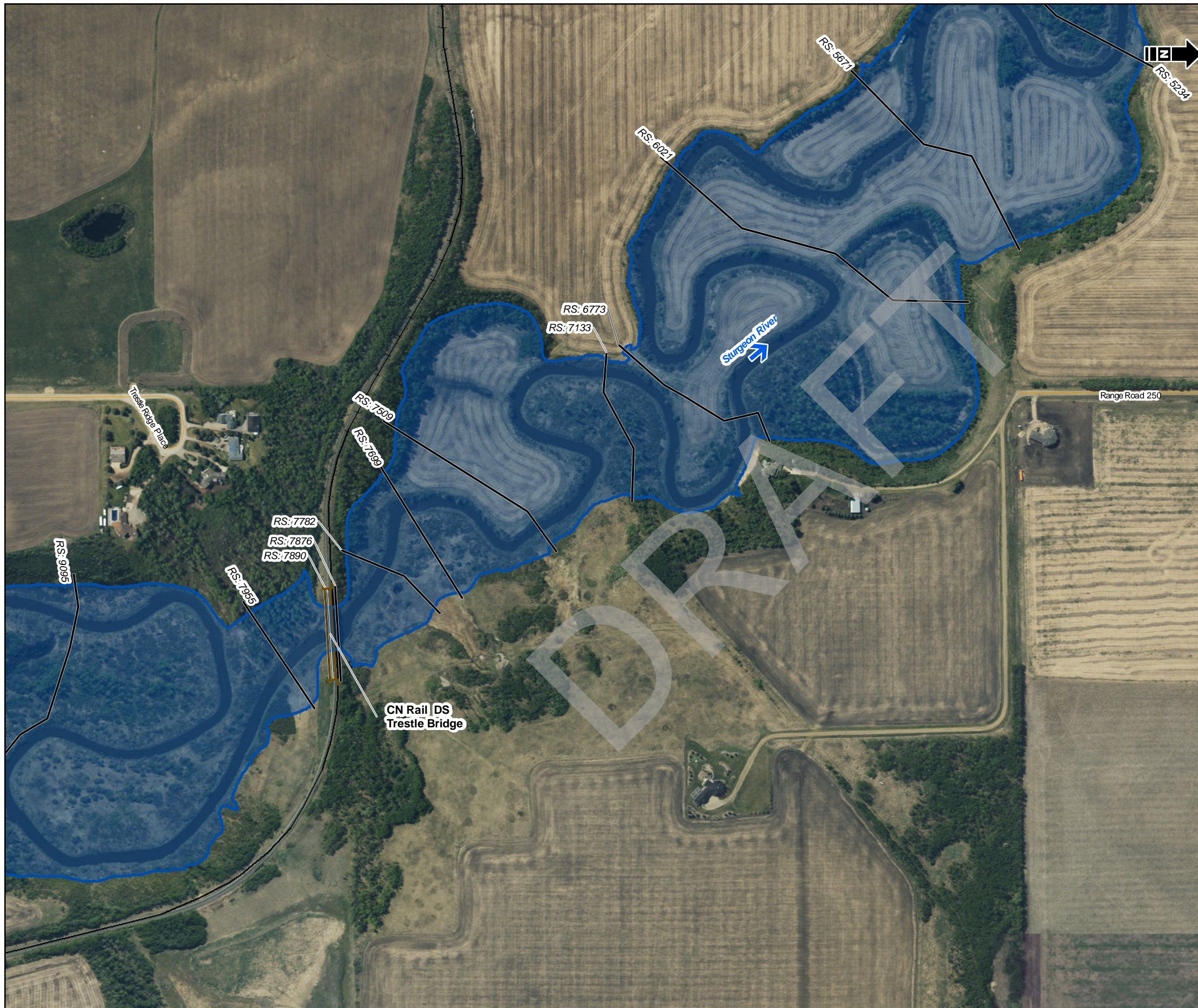
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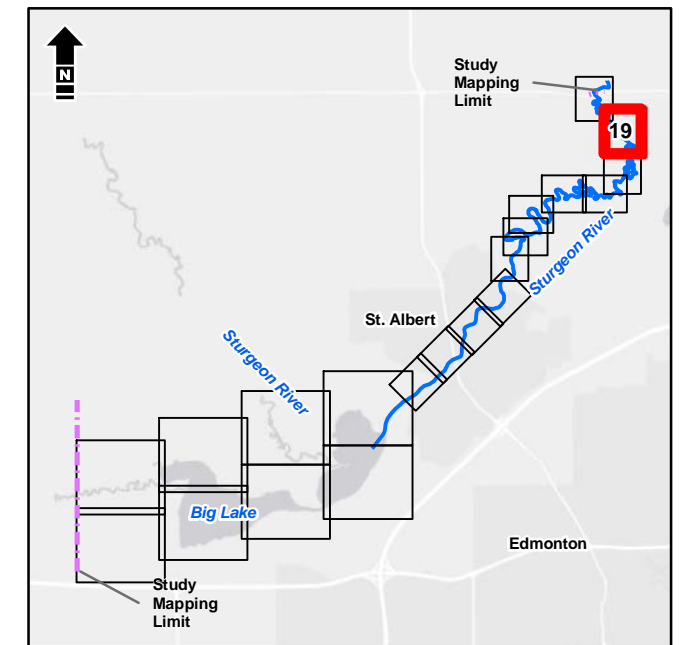
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  - 750-Year Flood Inundation Extent (Potential Flood Control Structure Failure)

**DISCHARGE**  
Sturgeon River = 155 m<sup>3</sup>/s



1:5,000 metres

Service Layer Credits: Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS User community  
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



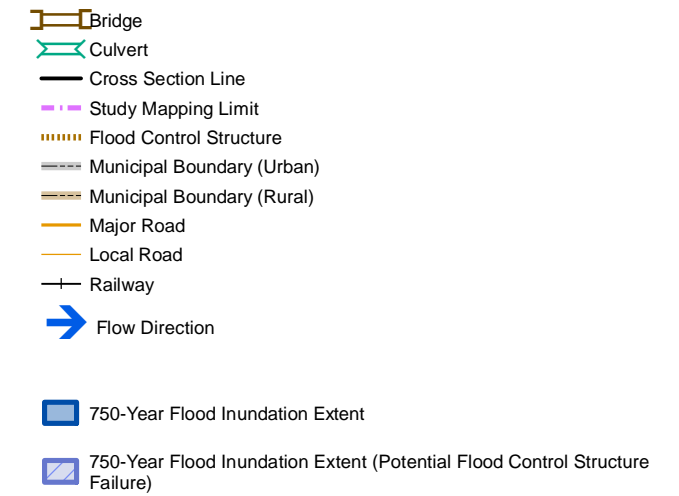
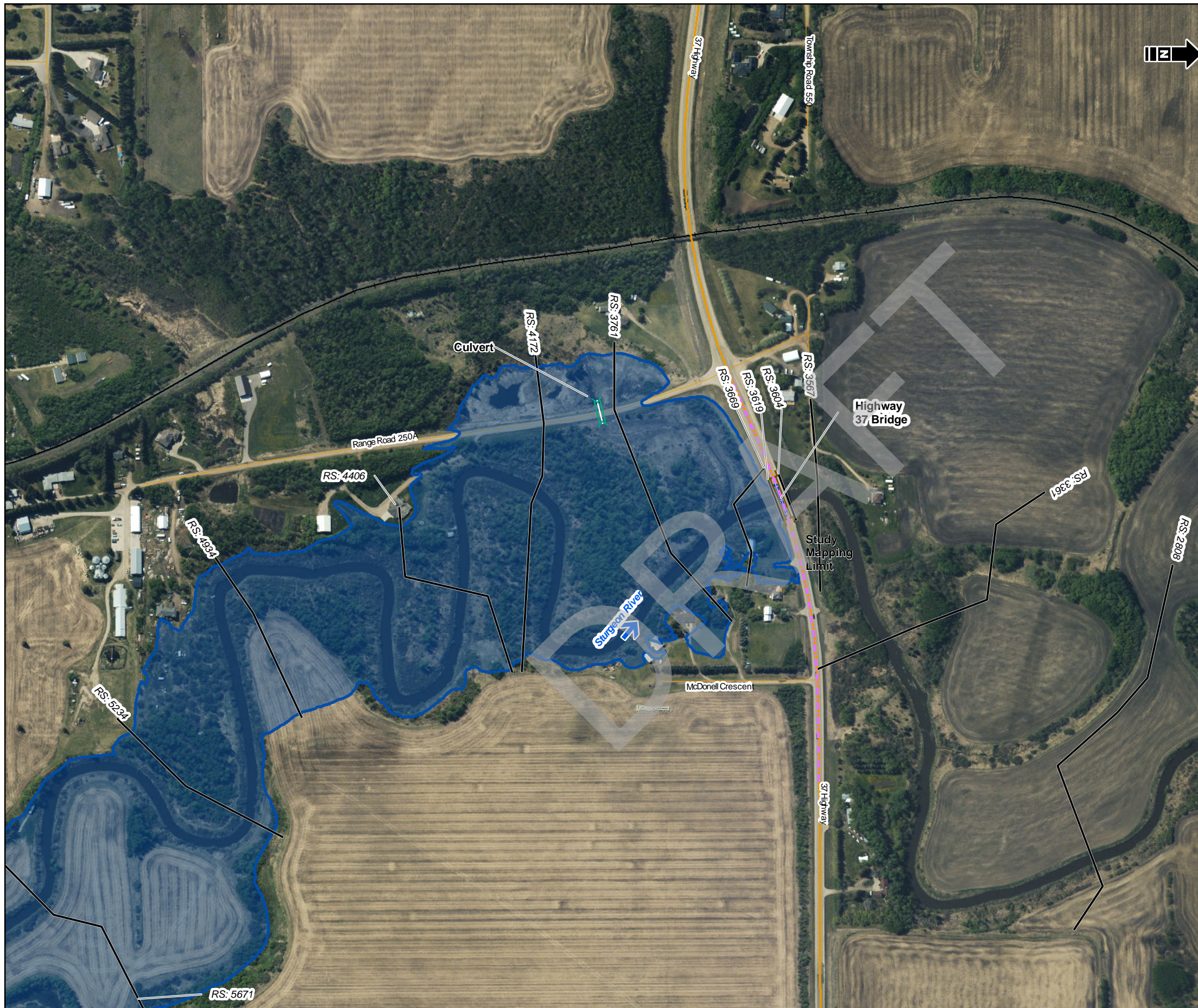
Alberta Government  
St. Albert Flood Hazard Study

**Open Water Flood Inundation  
Mapbook | 750-Year**

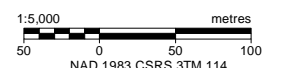
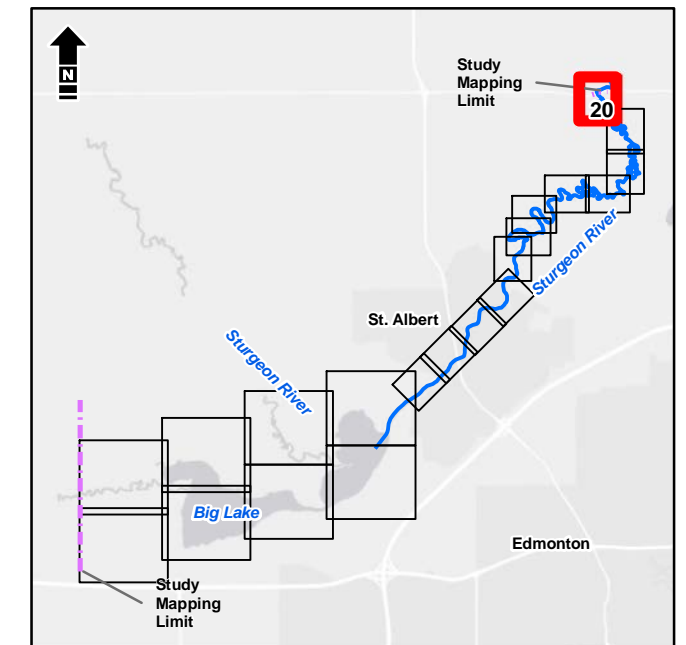
Date: March 2020 Project: 28312 Submitter: P. Rogers Reviewer: M. Shome

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Alberta Government  
St. Albert Flood Hazard Study

**Open Water Flood Inundation  
Mapbook | 750-Year**

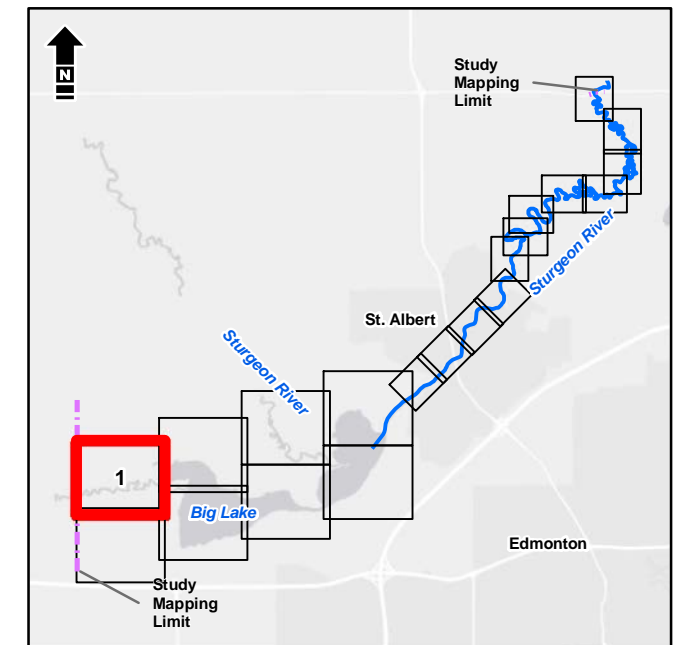
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  - Municipal Boundary (Rural)
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  - Flow Direction
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- 1000-Year Flood Inundation Extent
  - 1000-Year Flood Inundation Extent (Potential Flood Control Structure Failure)



1:10,000 metres  
 100 0 100 200  
 NAD 1983 CSRS 3TM 114

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**Open Water Flood Inundation  
 Mapbook | 1000-Year**

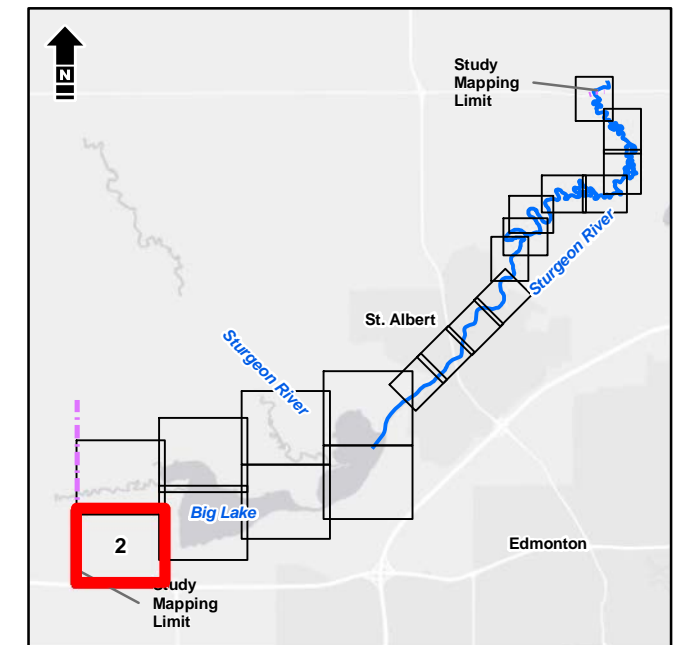
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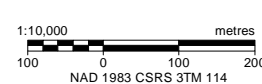
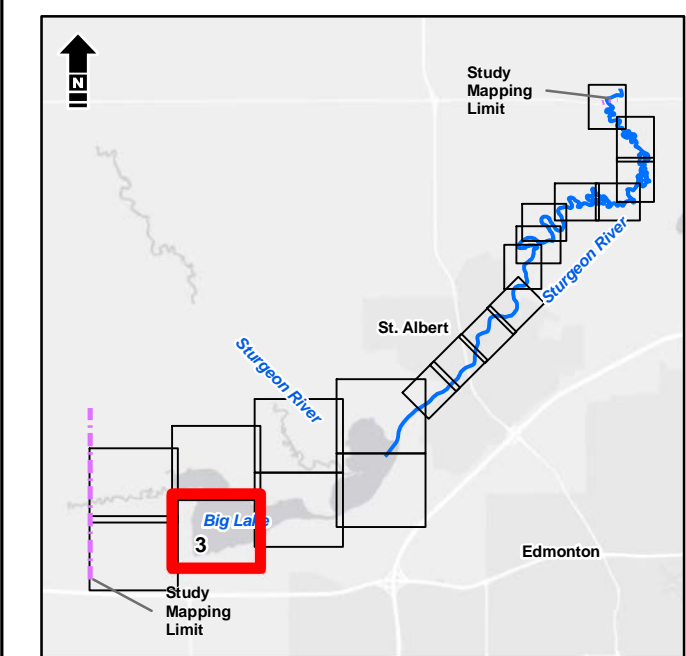
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 St. Albert Flood Hazard Study

### Open Water Flood Inundation Mapbook | 1000-Year

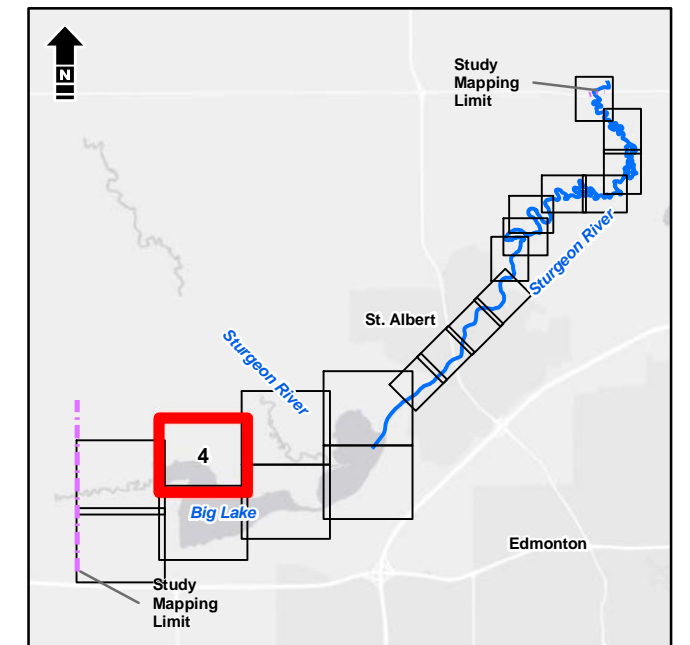
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1:10,000 metres  
 100 0 100 200  
 NAD 1983 CSRS 3TM 114

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 St. Albert Flood Hazard Study

**Open Water Flood Inundation  
 Mapbook | 1000-Year**

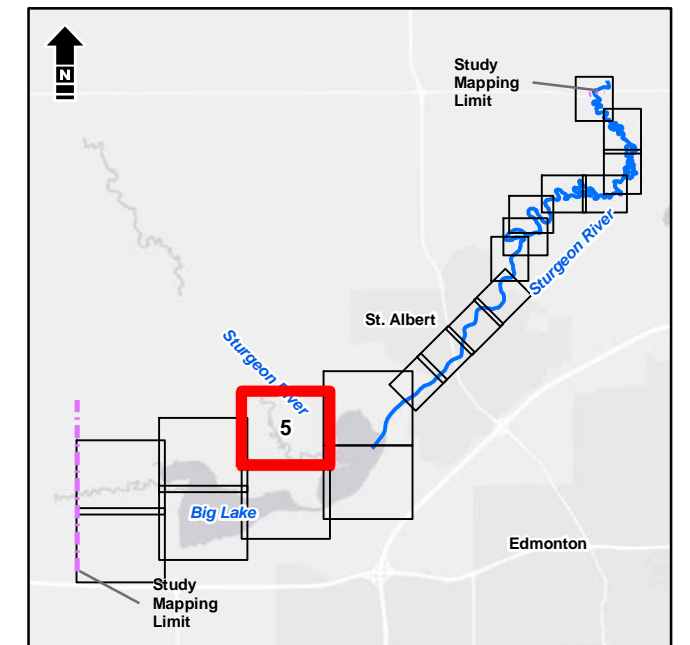
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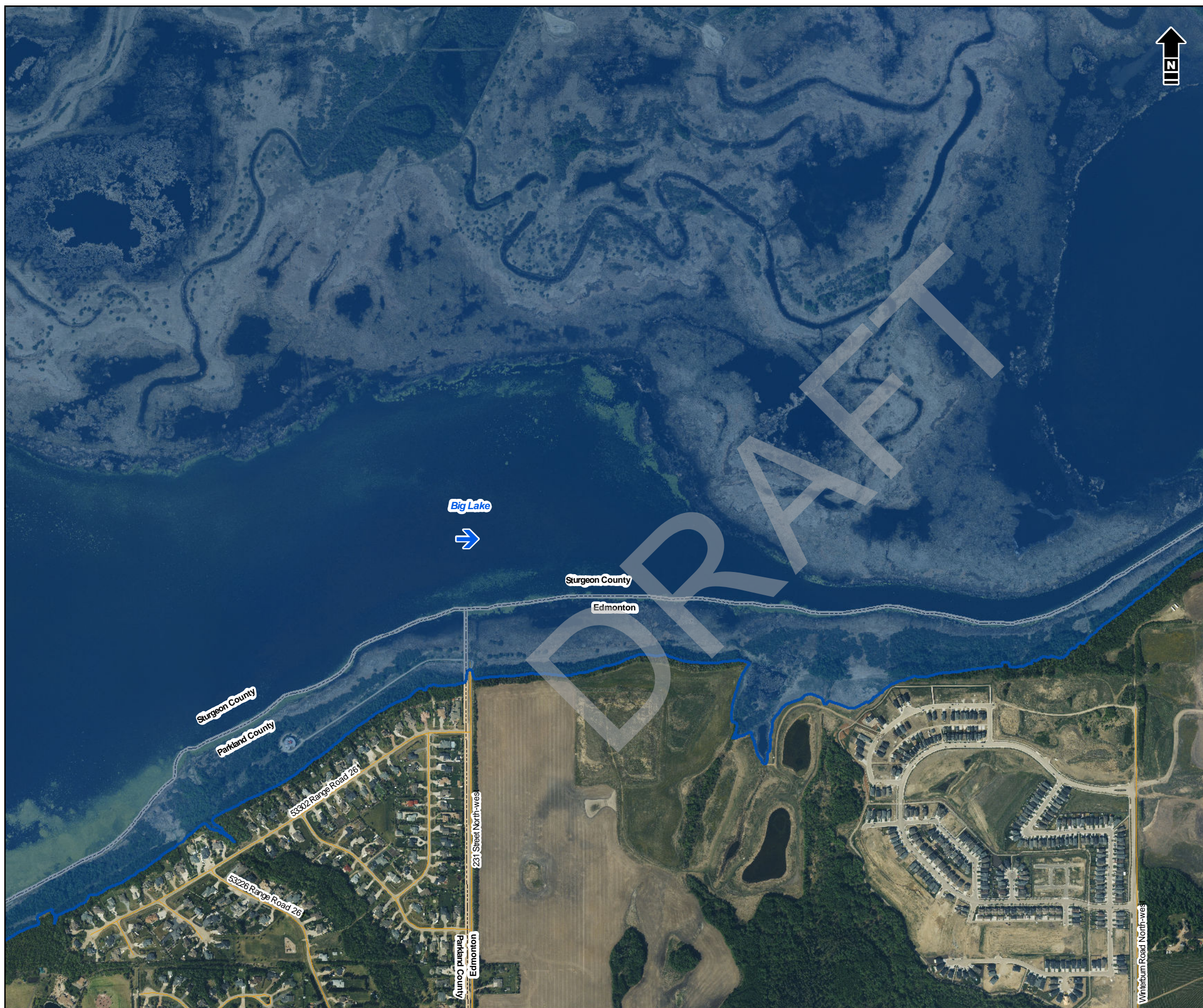
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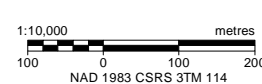
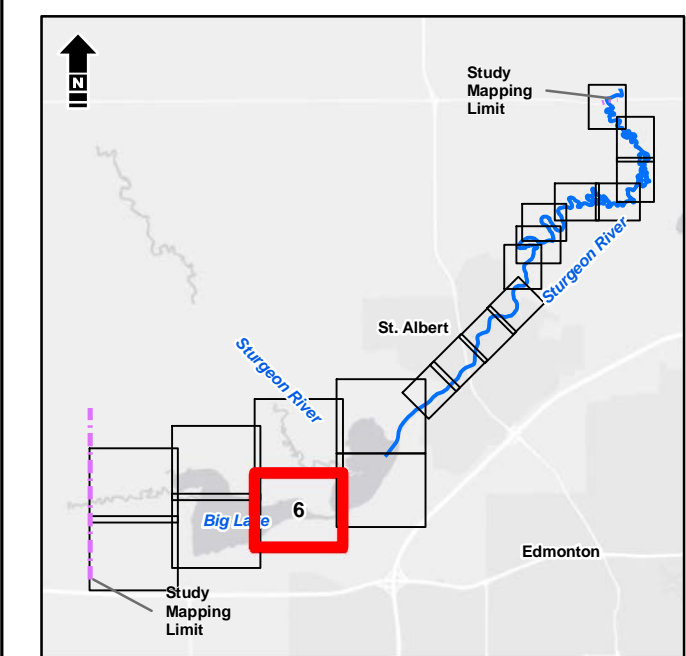
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St. Albert Flood Hazard Study

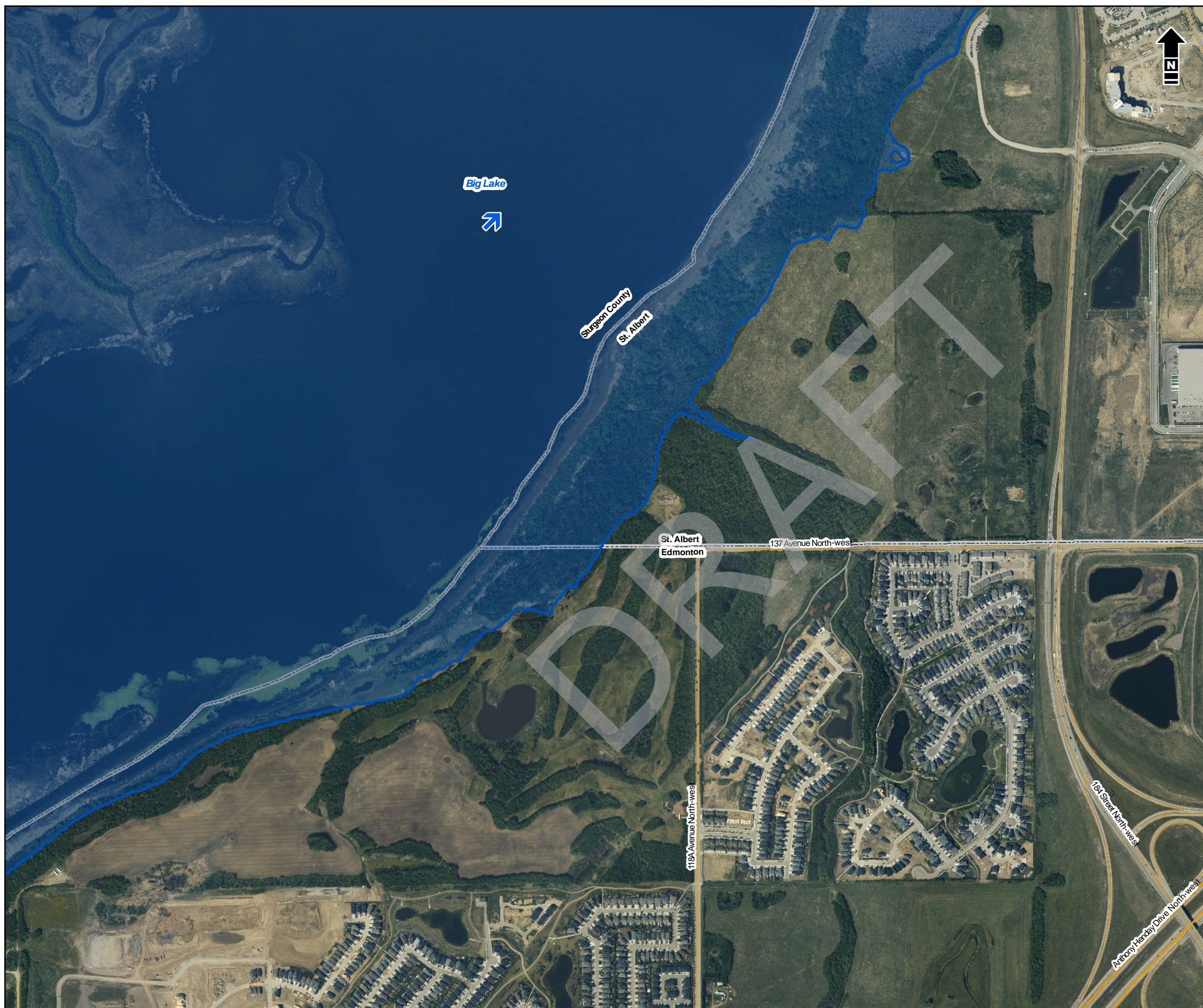
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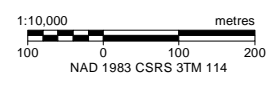
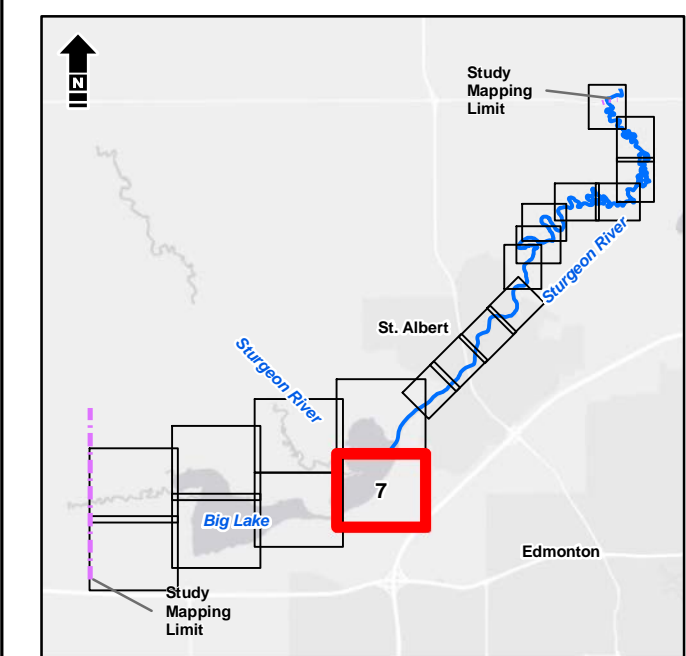
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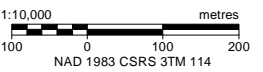
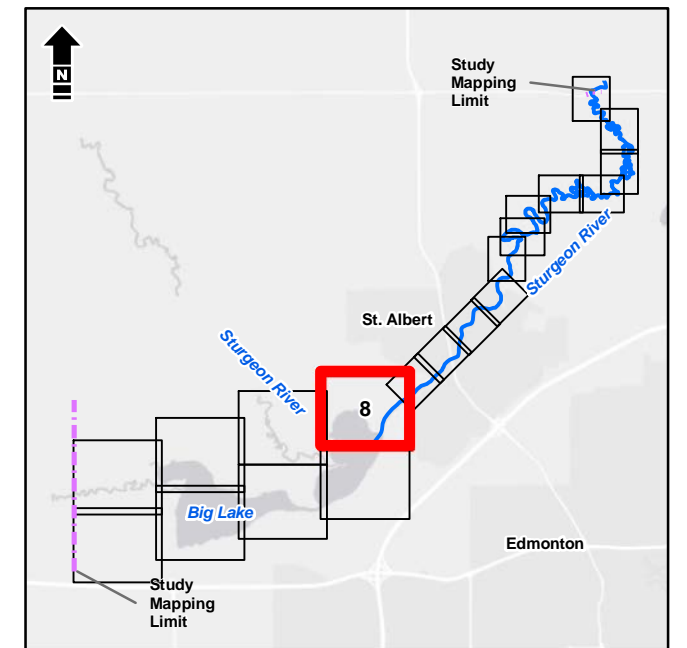
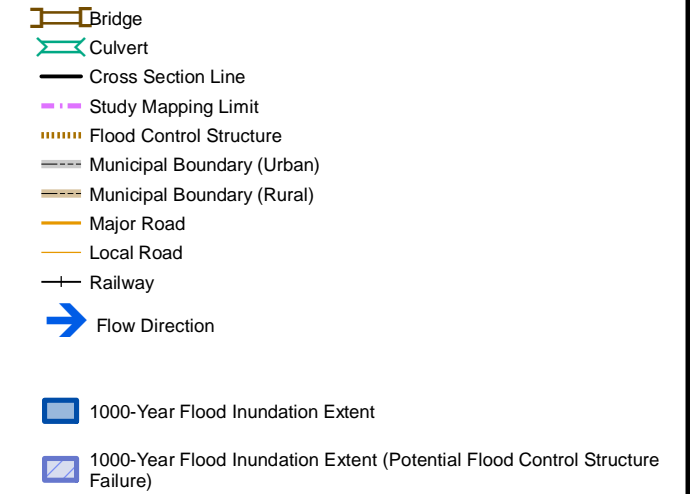
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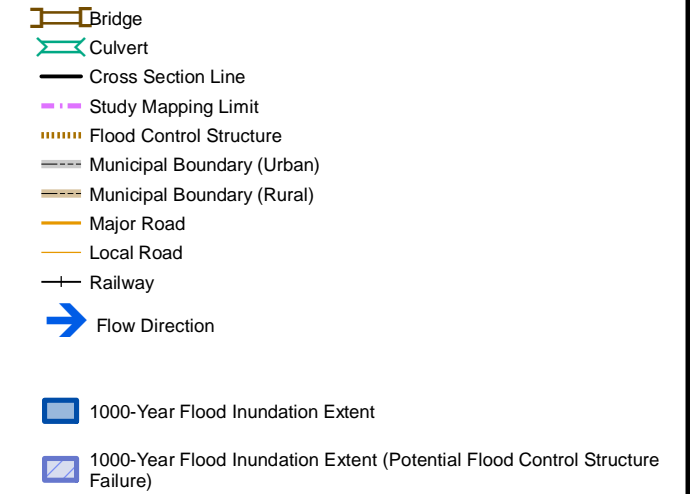
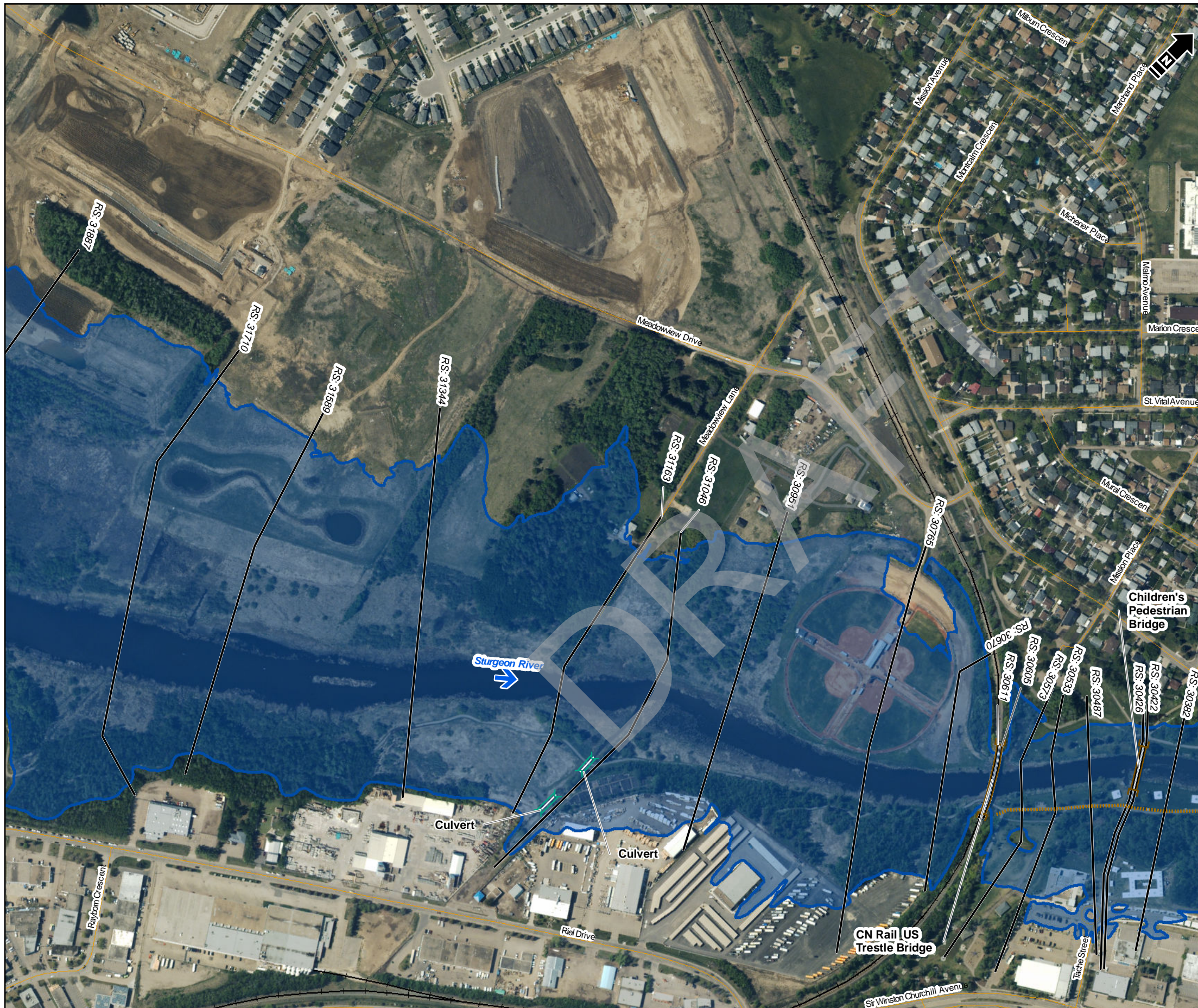
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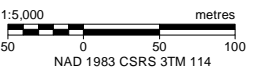
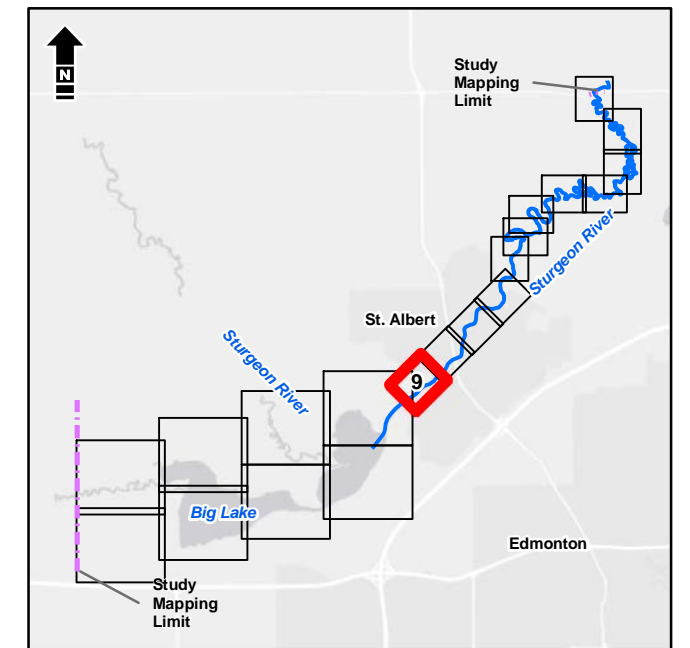
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**DISCHARGE**  
Sturgeon River = 166 m<sup>3</sup>/s



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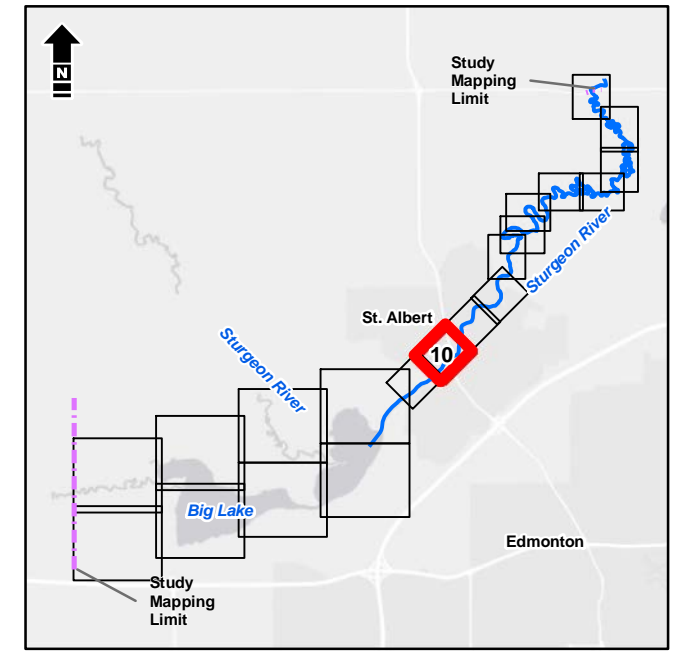
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1:5,000 metres  
 50 0 50 100  
 NAD 1983 CSRS 3TM 114



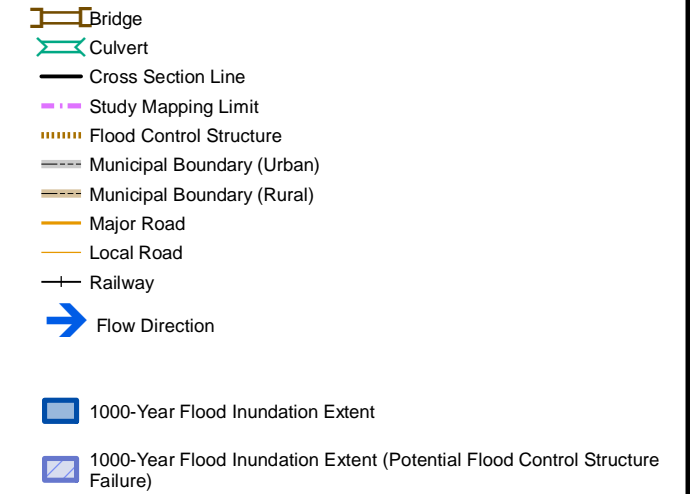
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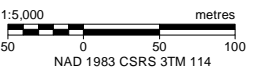
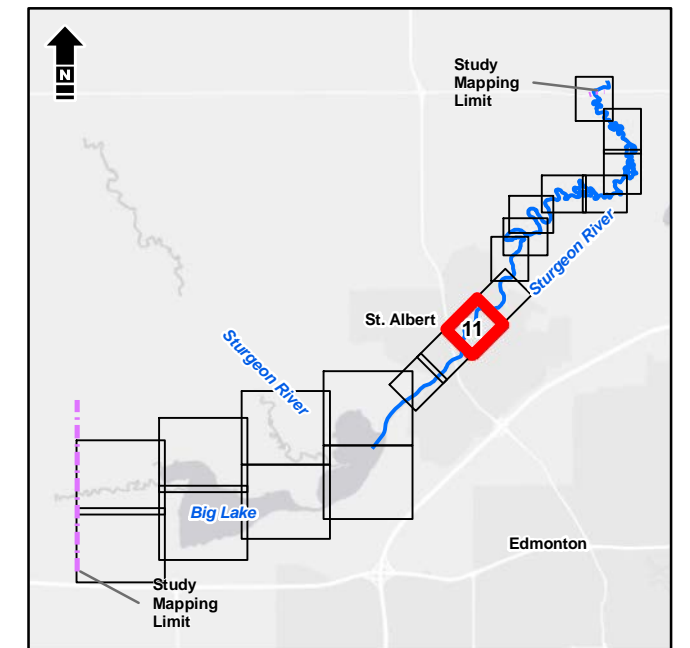
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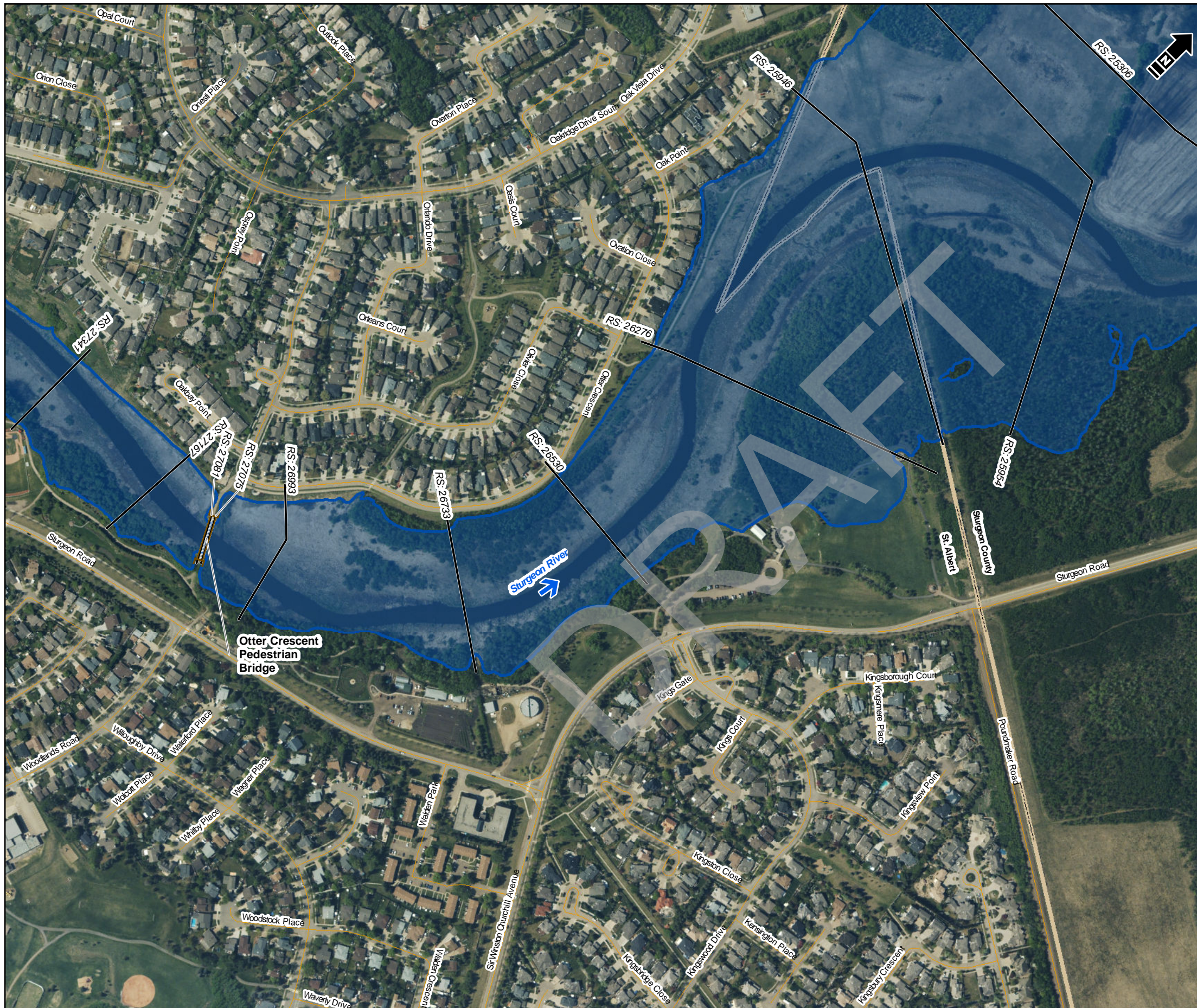
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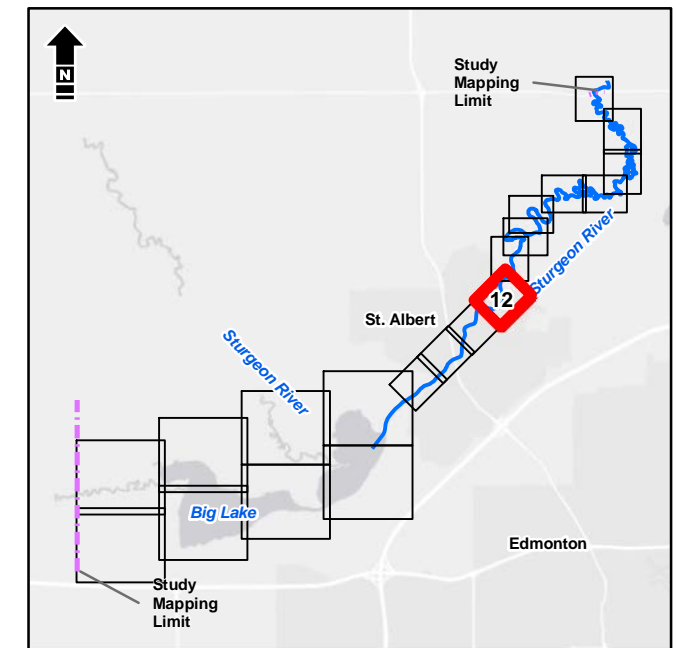
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1:5,000  
metres  
50 0 50 100  
NAD 1983 CSRS 3TM 114

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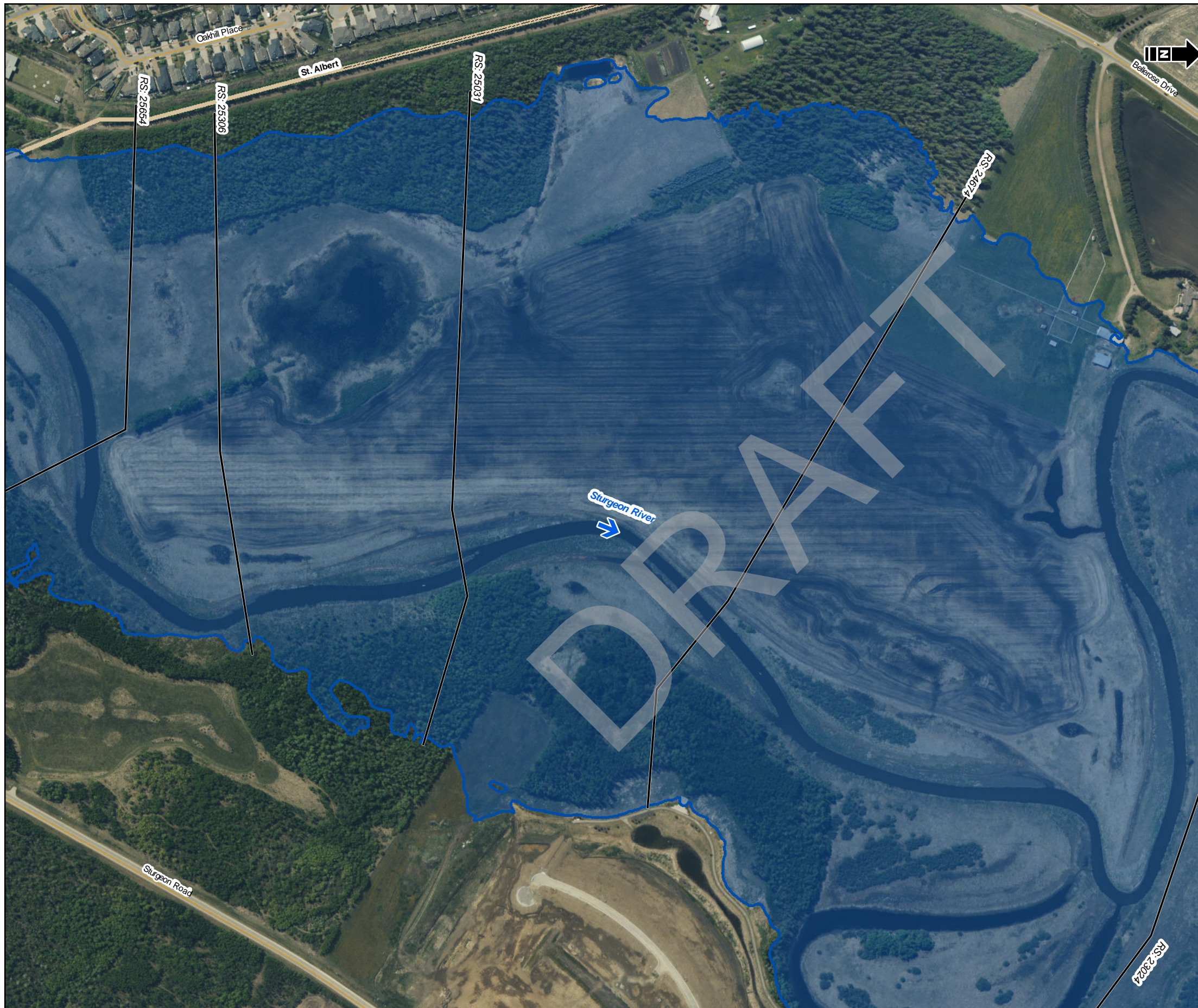
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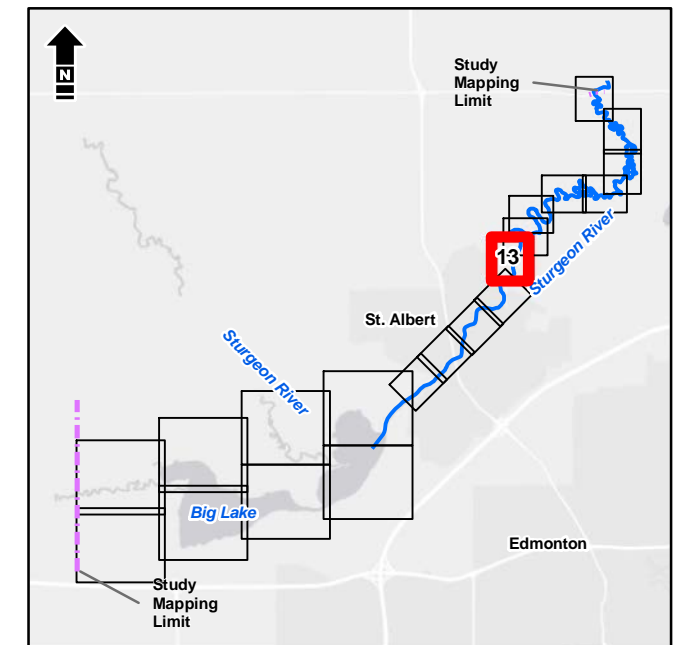
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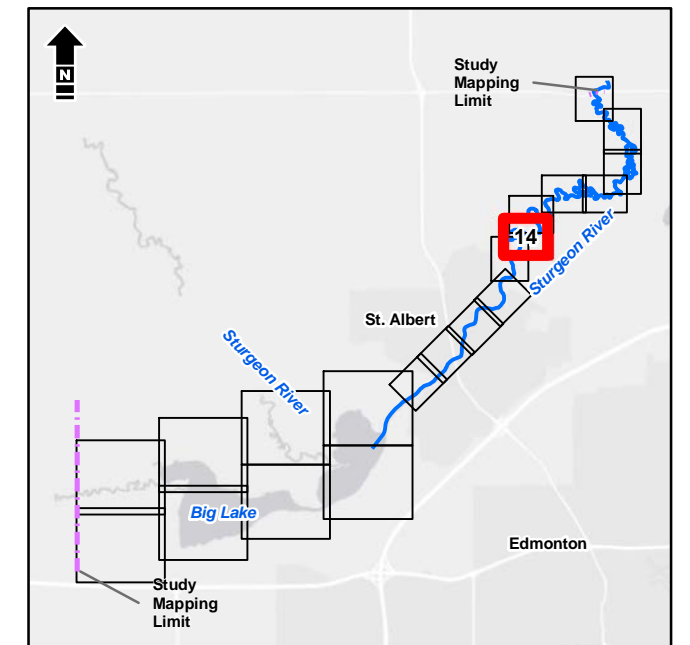
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0 50 100  
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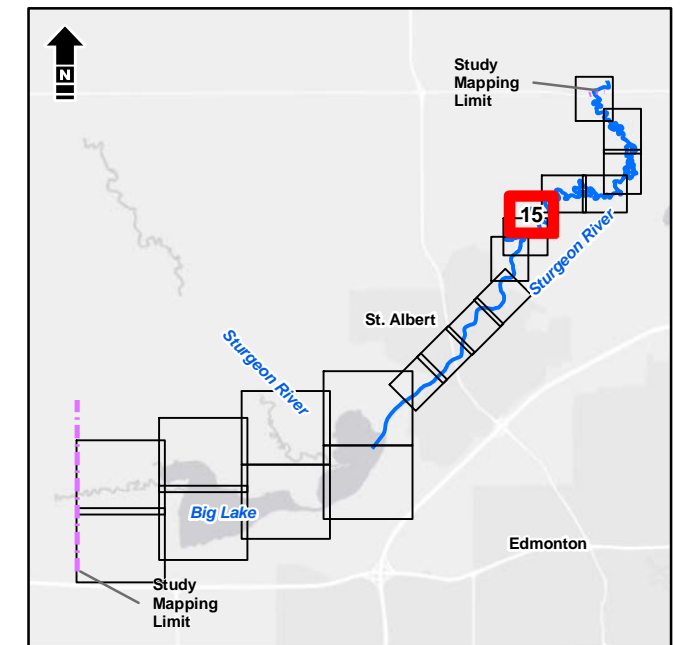
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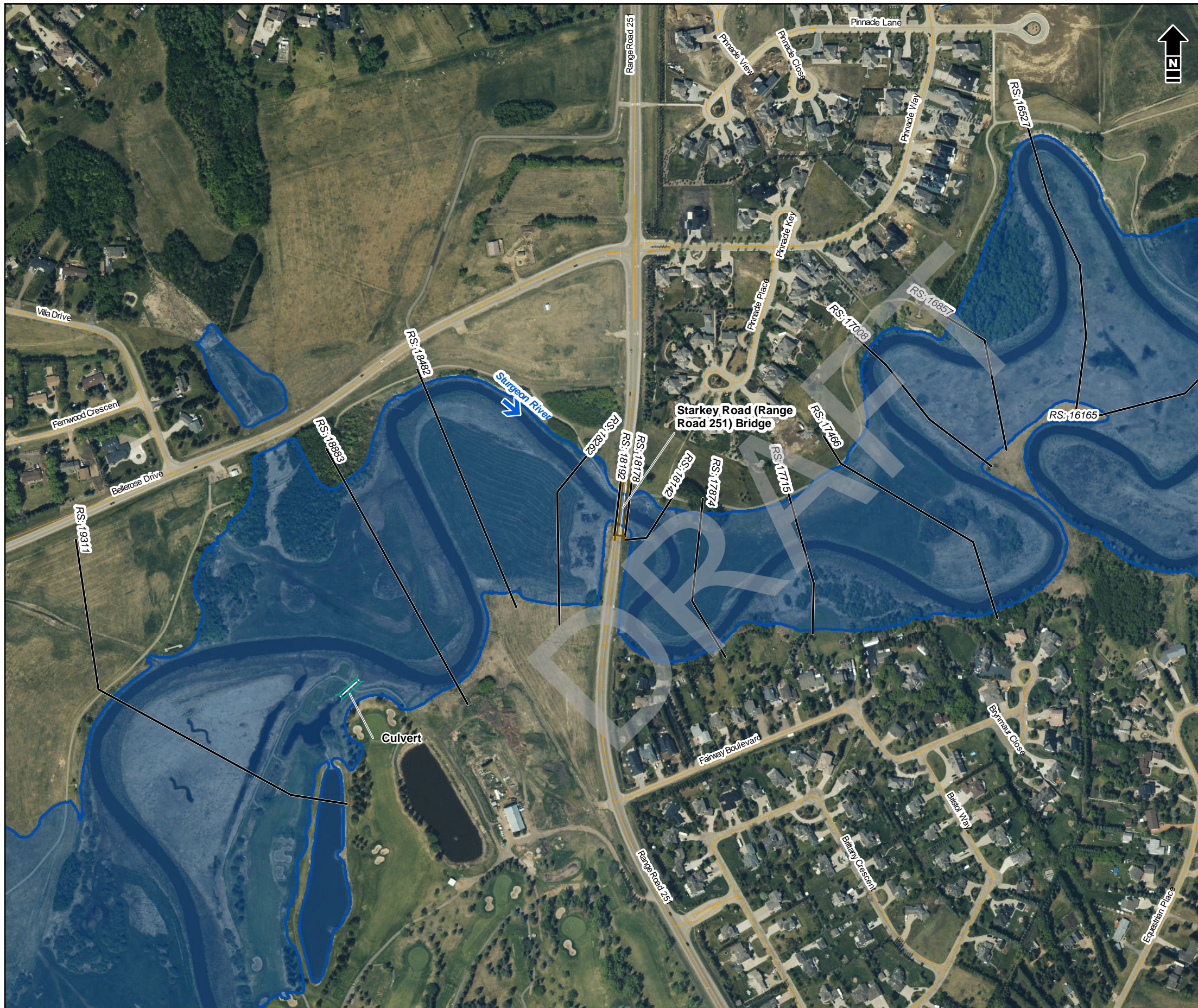
Alberta Government  
St. Albert Flood Hazard Study

**Open Water Flood Inundation  
Mapbook | 1000-Year**

Date: March 2020 Project: 28312 Submitter: P. Rogers Reviewer: M. Shome

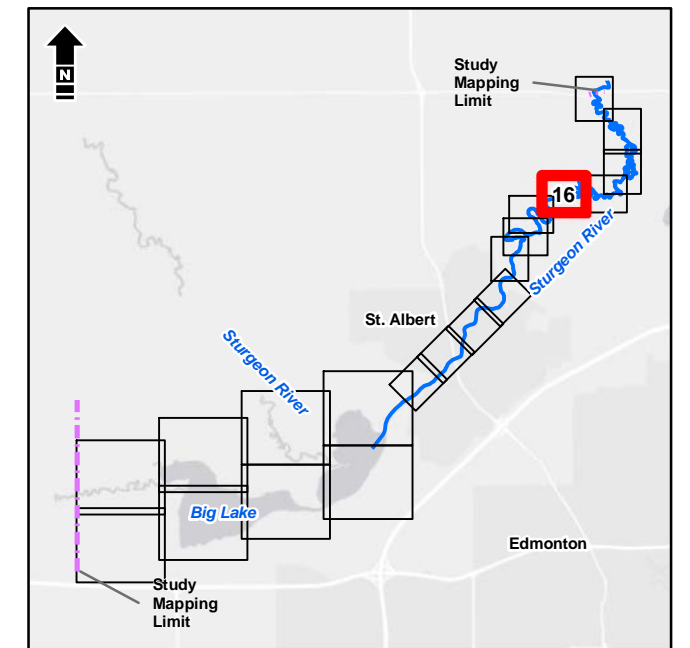
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  - Major Road
  - Local Road
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- 1000-Year Flood Inundation Extent
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**DISCHARGE**  
Sturgeon River = 166 m<sup>3</sup>/s



1:5,000 metres

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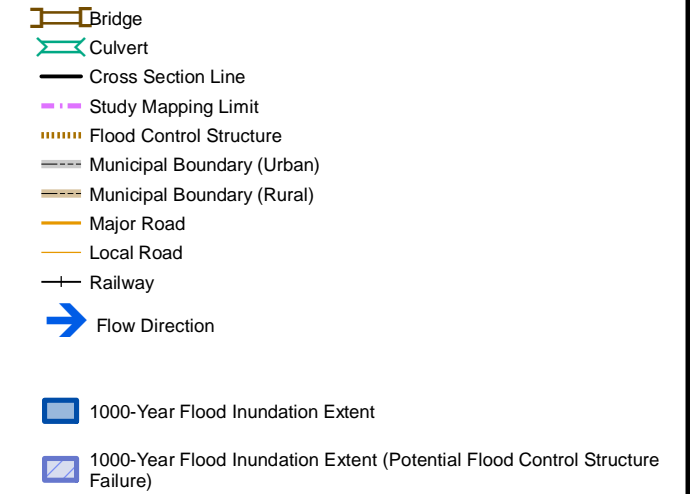
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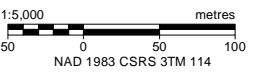
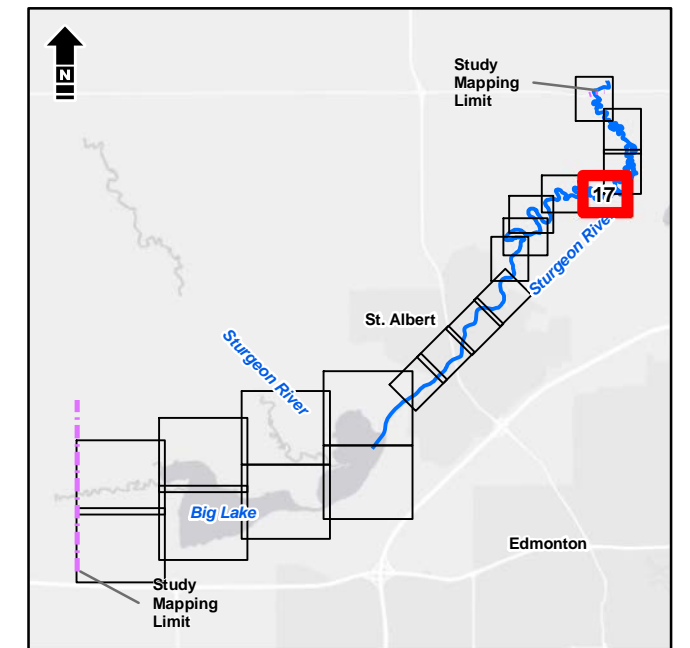
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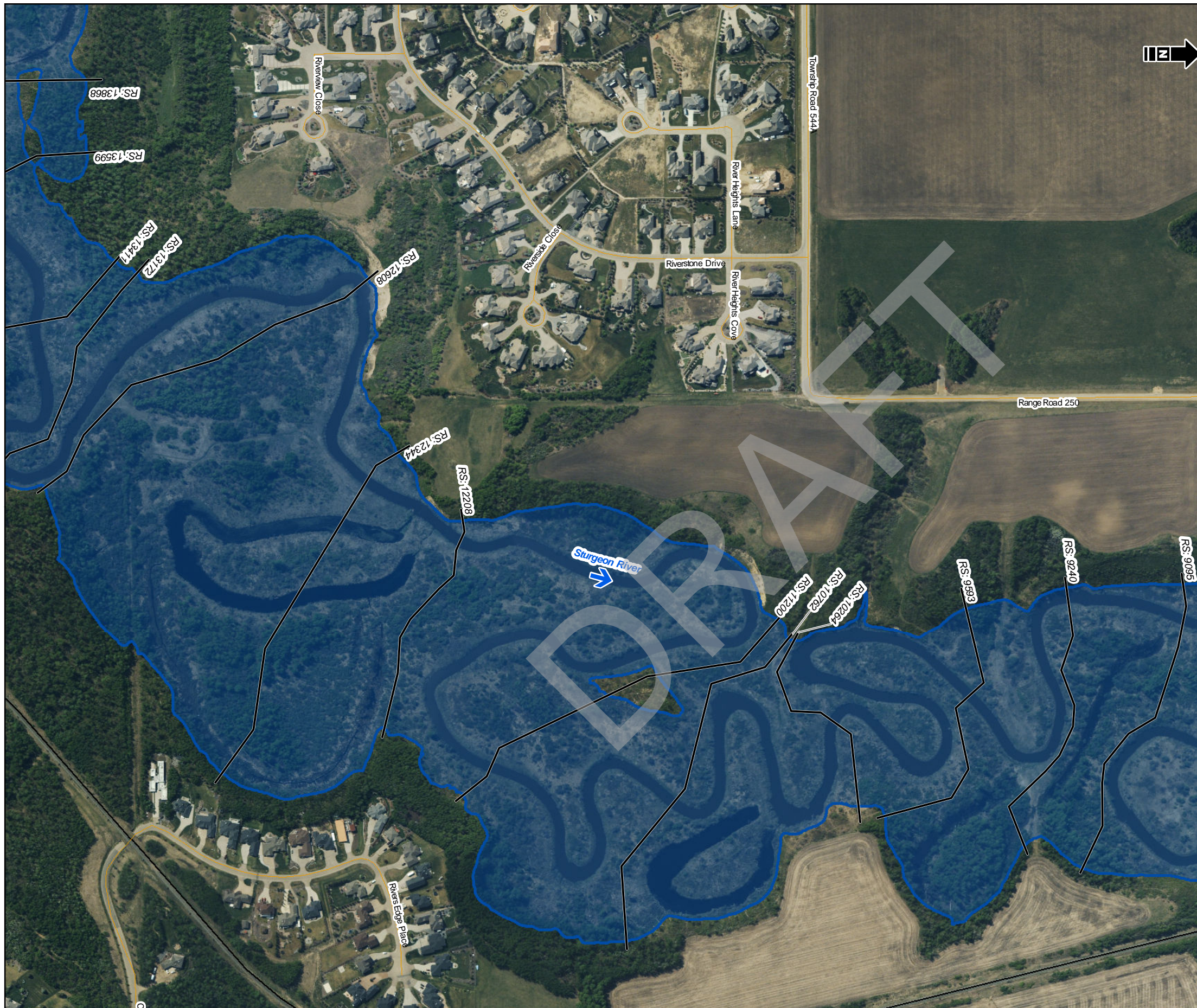
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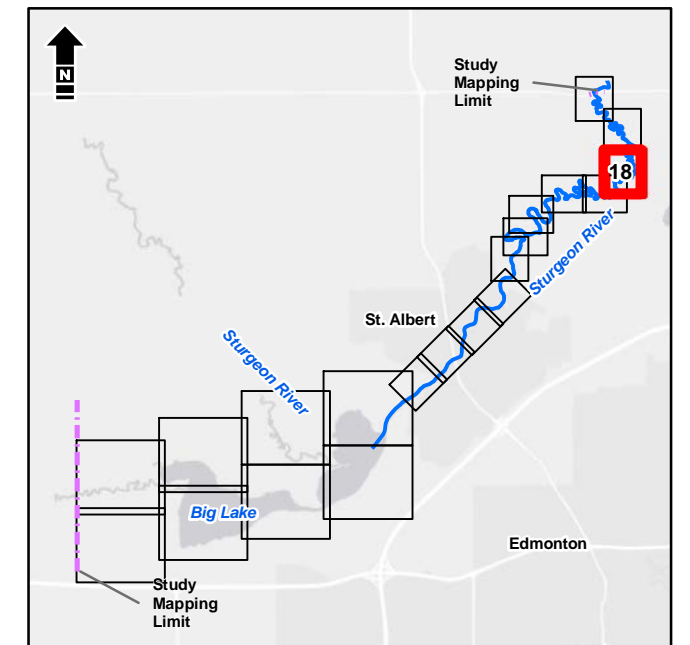
Alberta Environmental Parks and Recreation | Open Water Inundation Mapping | Figure-Open Water Inundation Mapbook\_Template.mxd, Tabloid\_L\_27\_Apr\_20\_03:08 PM - m.willkinson - TD005





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1:5,000 metres  
0 50 100  
NAD 1983 CSRS 3TM 114

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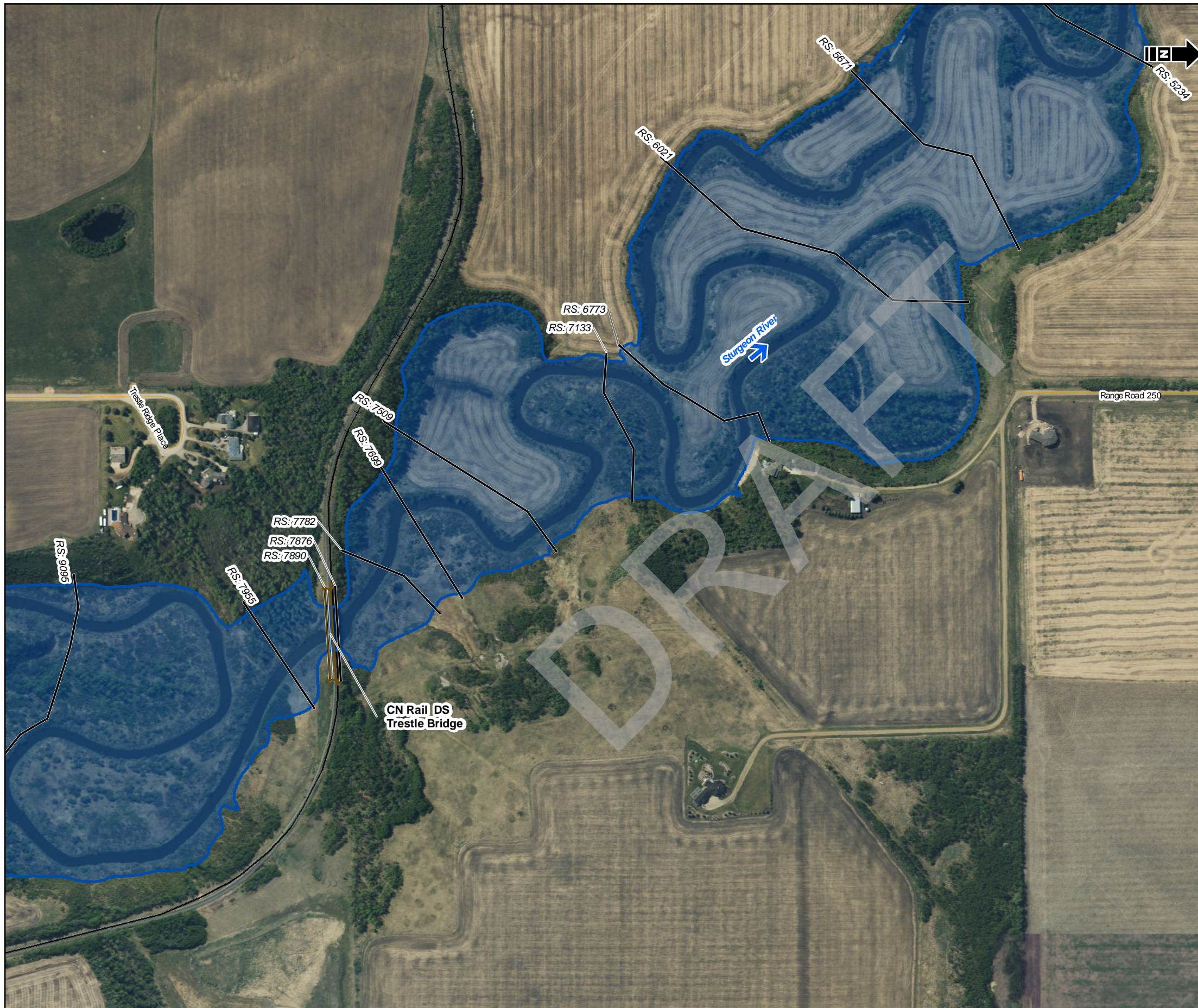
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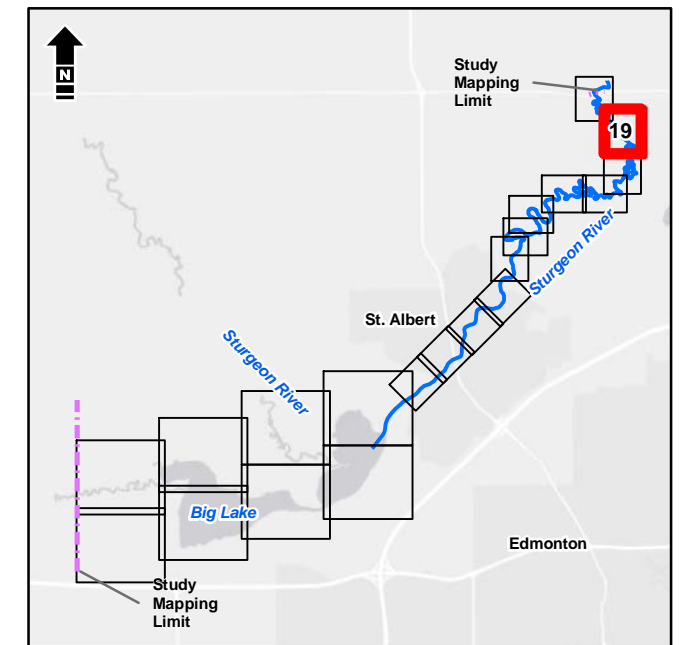
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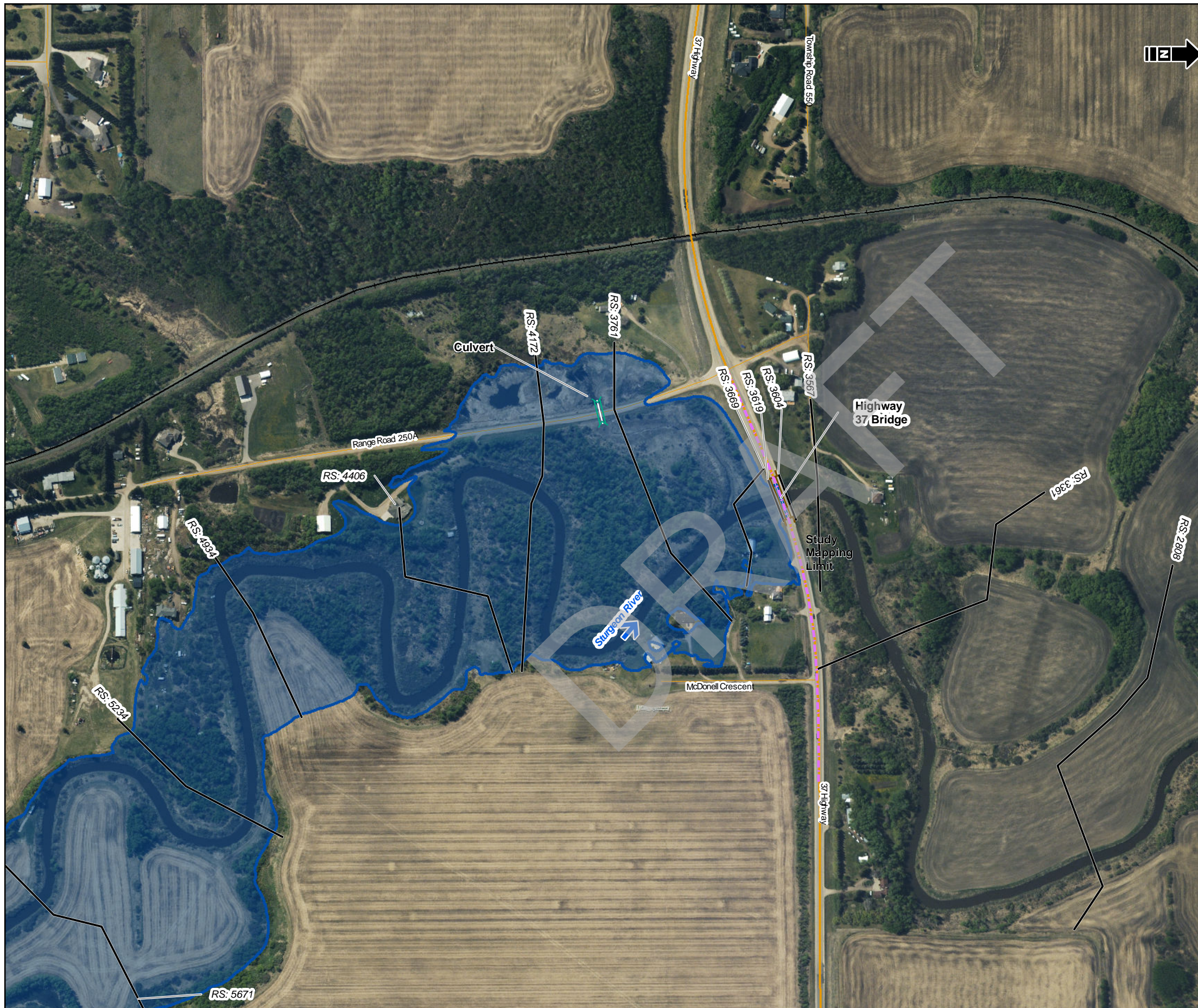
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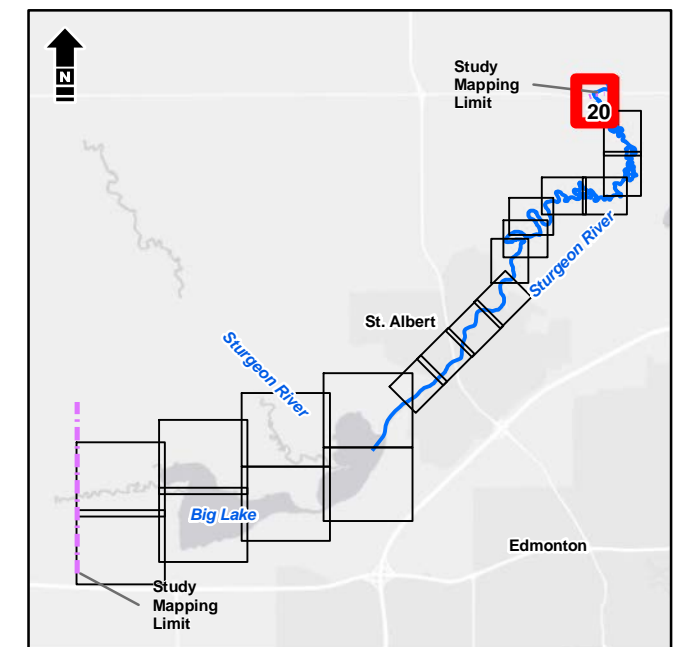
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