

- Sheet Footprint
- FLOOD HAZARD MODELLING**
- STN 0.0 Stationing
- Flow Direction
- Area of Interest
- LiDAR Extent
- ROAD NETWORK**
- Major Road
- Local Road
- BOUNDARY**
- Yukon Border/Boundary

The accuracy of the flood extent does not exceed the accuracy of the terrain data. AtkinsRéalis will not be held responsible for interpretations made by its users of this document.



UPPER LIARD FLOOD MAPPING STUDY

Estimated 1% Annual Exceedance Probability (AEP) Event Under Climate Change Conditions

Sources :
 CANVEC, 1 : 50,000, NR Canada, 2025
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Flood Hazard Modelling, AtkinsRéalis, December 2025

Project 705450

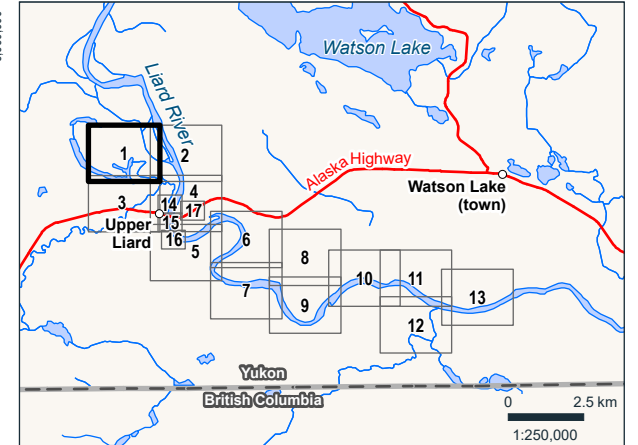
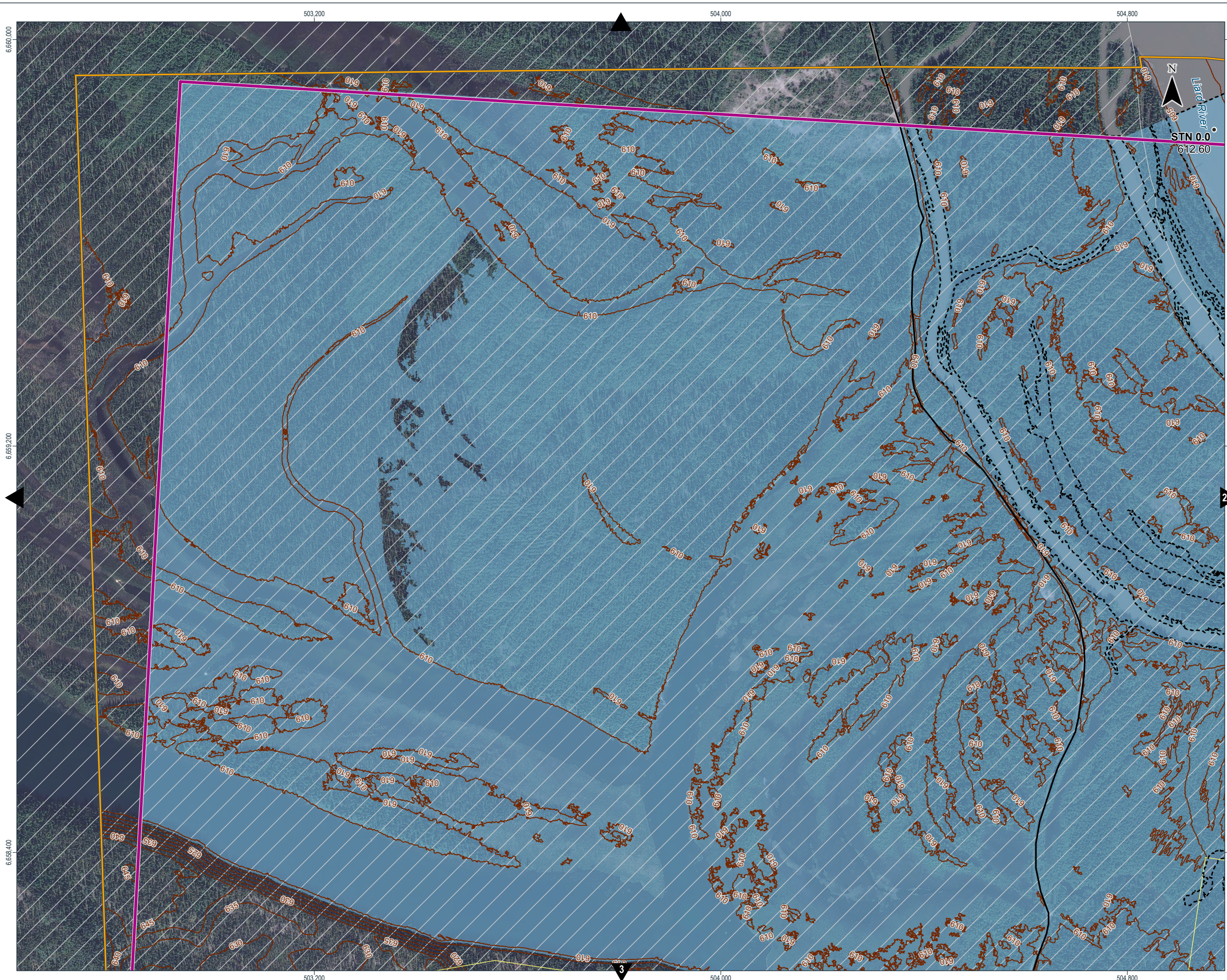
Coordinate System : NAD83 (SCRS) UTM Zone 9N
 Vertical datum : CGVD2013 / Geoid : CGG2013 a

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March 2026

Index Map



FLOOD HAZARD MODELLING

- STN 0.0 Stationing
- 611.04 Inundation Levels (m)
- 611.13 Ground Levels (m)
- Average Annual Peak (50% AEP)
- Blue Flood Inundation 1% AEP
- Blue Arrow Flow Direction
- Pink Area of Interest
- Yellow LiDAR Extent

ROAD NETWORK

- Orange Diamond Bridge
- Purple Circle Culvert
- Red Line Major Road
- Black Line Local Road
- Grey Line Road (unmaintained)

TOPOGRAPHY

- Brown Line Index Contour - 5 m Interval

BOUNDARY

- White Hatched Box First Nation Settlement Lands - Unsurveyed
- Yellow Box Land Parcel



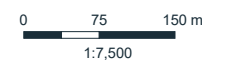
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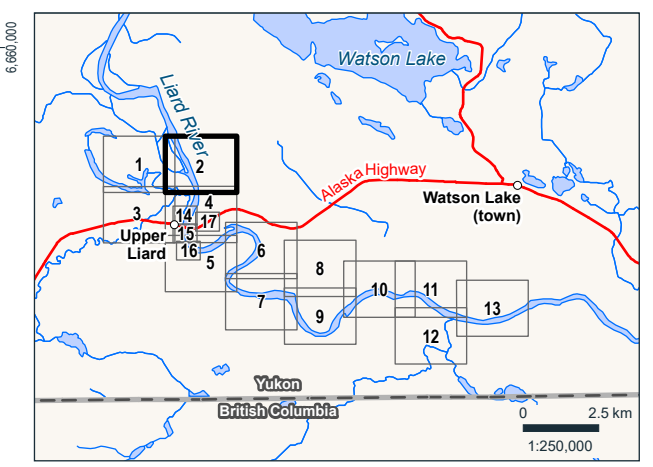
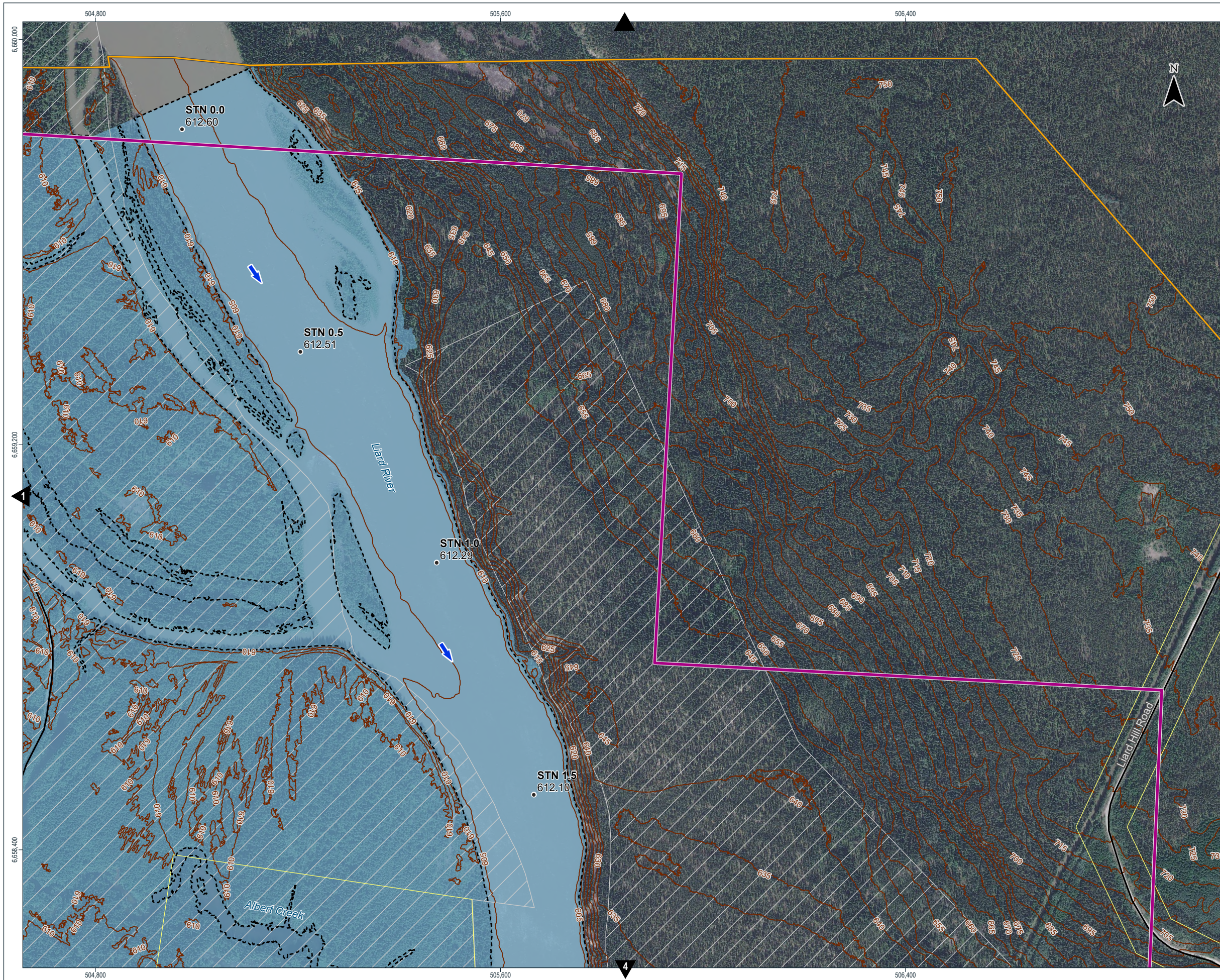
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- STN 0.0** Stationing
- 611.04 Inundation Levels (m)
- + 611.13 Ground Levels (m)
- - - Average Annual Peak (50% AEP)
- Flood Inundation 1% AEP
- Flow Direction
- Area of Interest
- LiDAR Extent

ROAD NETWORK

- ◆ Bridge
- Culvert
- Major Road
- Local Road
- Road (unmaintained)

TOPOGRAPHY

- 600— Index Contour - 5 m Interval

BOUNDARY

- ▨ First Nation Settlement Lands - Unsurveyed
- ▭ Land Parcel



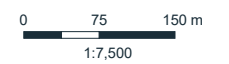
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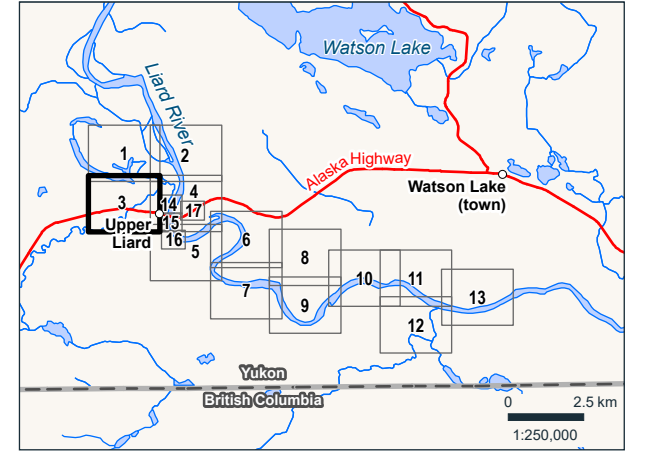
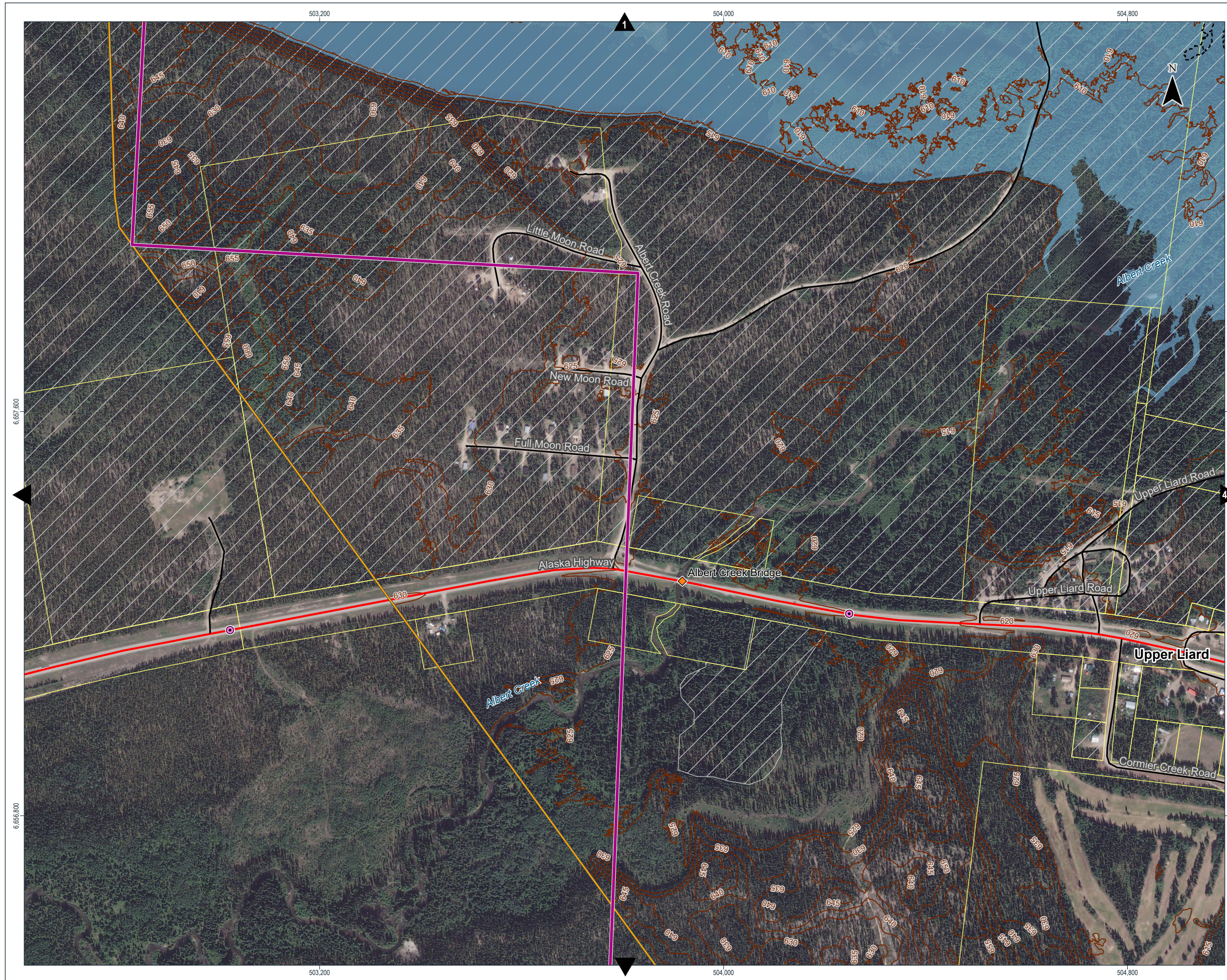
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 - + 611.13 Ground Levels (m)
 - - - Average Annual Peak (50% AEP)
 - Blue Area Flood Inundation 1% AEP
 - Blue Arrow Flow Direction
 - Purple Outline Area of Interest
 - Yellow Outline LiDAR Extent
- ROAD NETWORK**
- Orange Diamond Bridge
 - Purple Circle with Dot Culvert
 - Red Line Major Road
 - Black Line Local Road
 - Grey Line Road (unmaintained)
- TOPOGRAPHY**
- Brown Line Index Contour - 5 m Interval
- BOUNDARY**
- White Outline First Nation Settlement Lands - Unsurveyed
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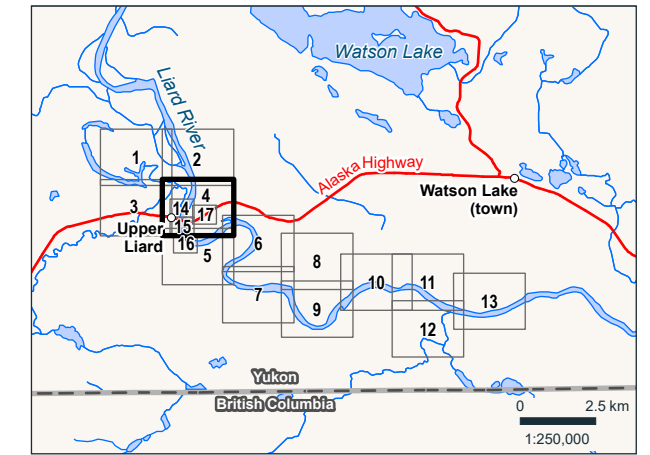
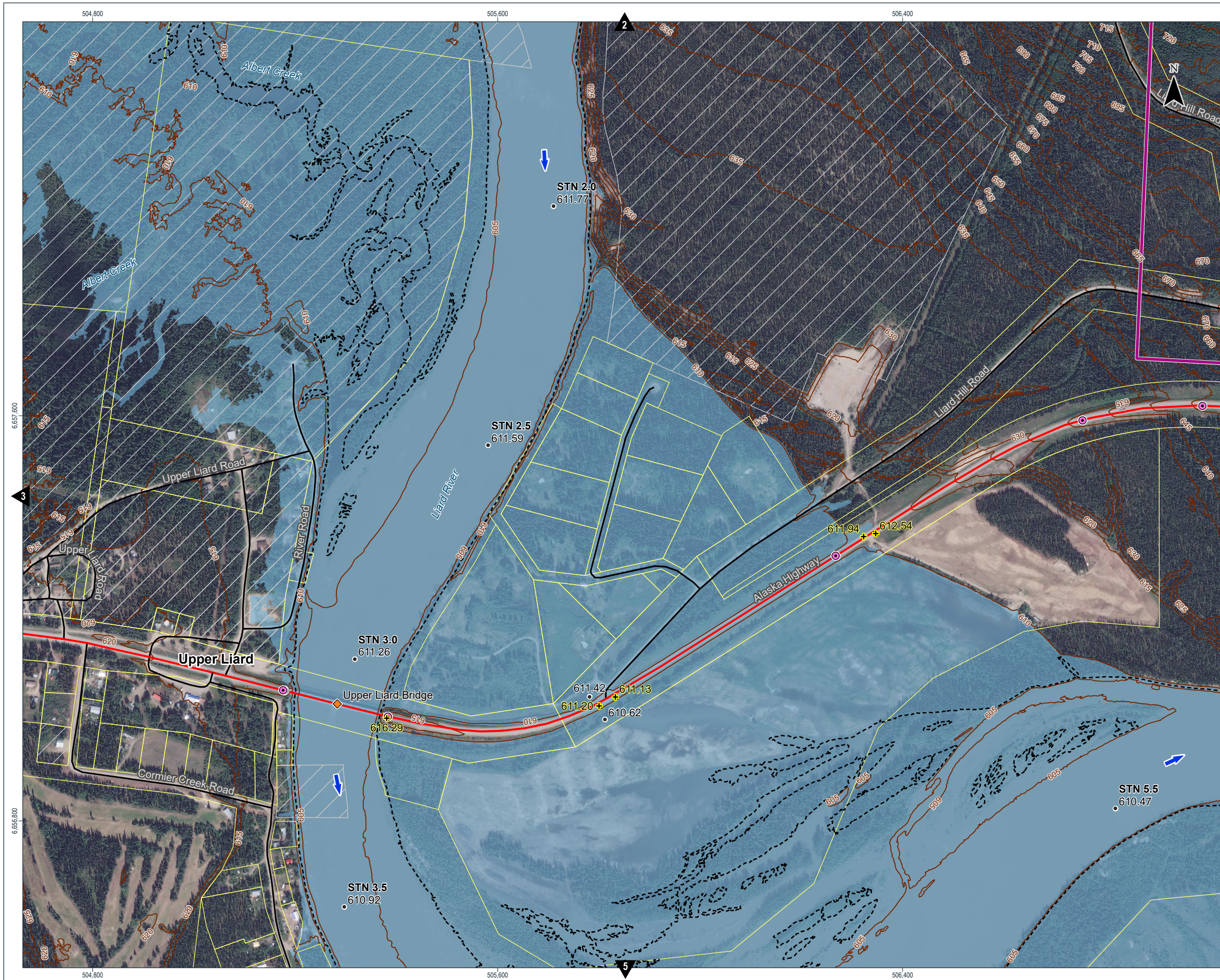
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- ➔ Flow Direction
- ▭ Area of Interest
- ▭ LiDAR Extent

ROAD NETWORK

- ◆ Bridge
- Culvert
- Major Road
- Local Road
- Road (unmaintained)

TOPOGRAPHY

- 600 — Index Contour - 5 m Interval

BOUNDARY

- ▭ First Nation Settlement Lands - Unsurveyed
- ▭ Land Parcel



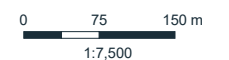
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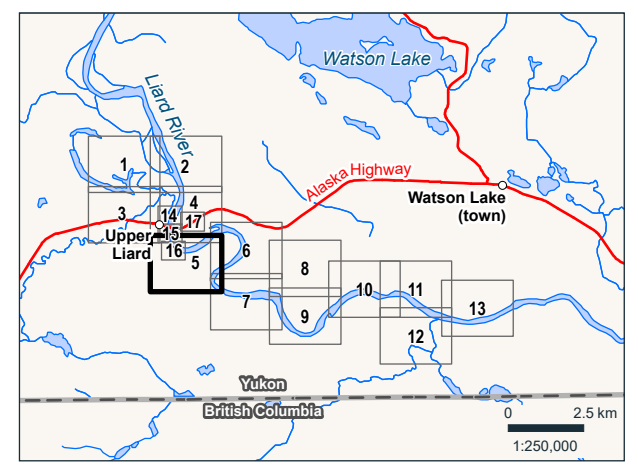
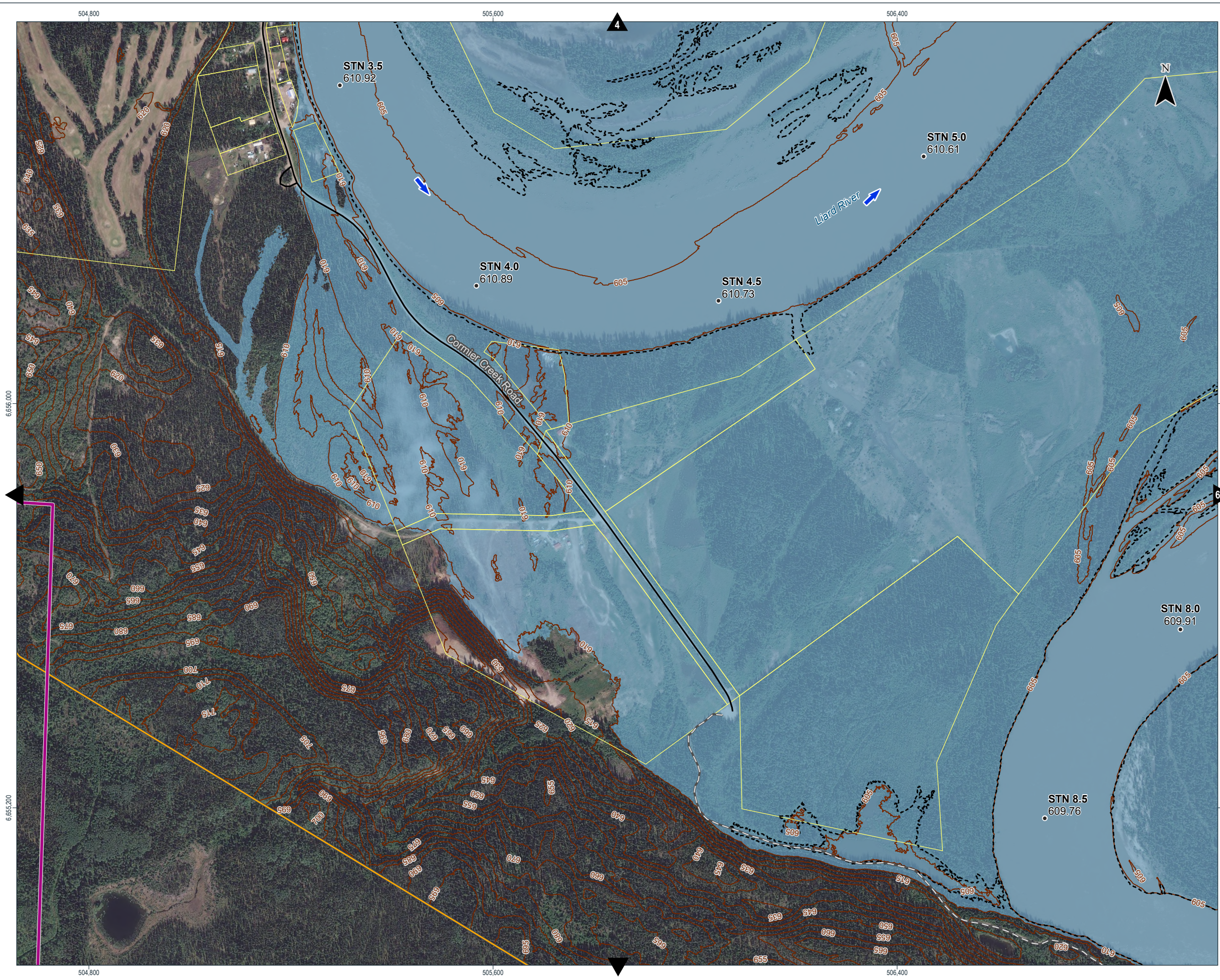
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- ROAD NETWORK**
- ◆ Bridge
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 - Major Road
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- TOPOGRAPHY**
- - - 600 Index Contour - 5 m Interval
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UPPER LIARD FLOOD MAPPING STUDY

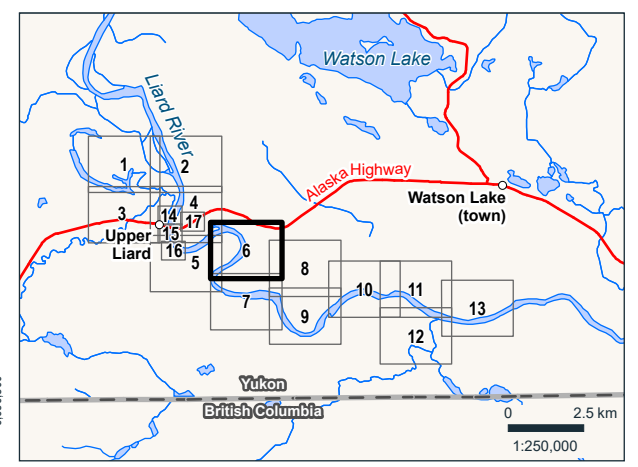
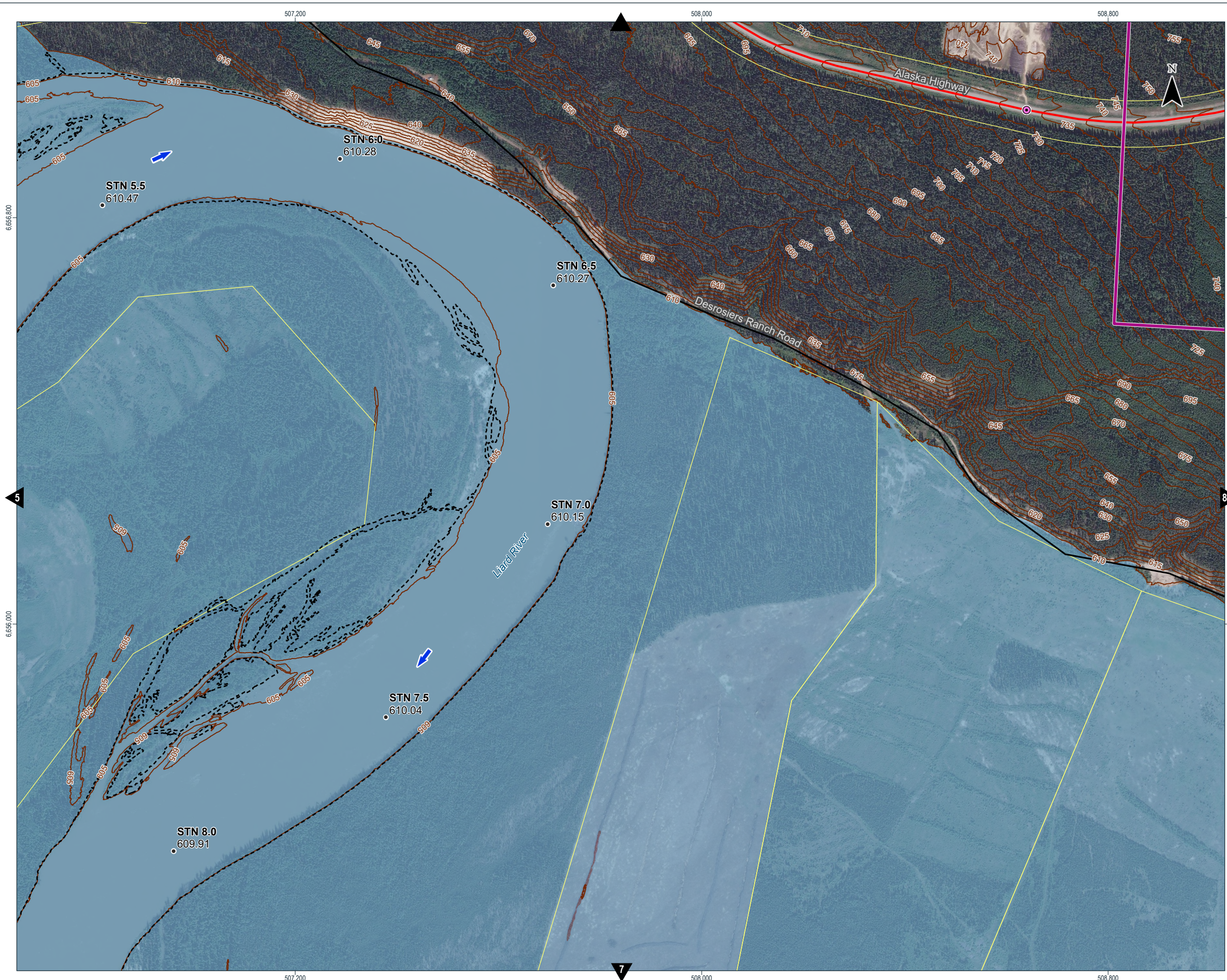
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 1:7,500



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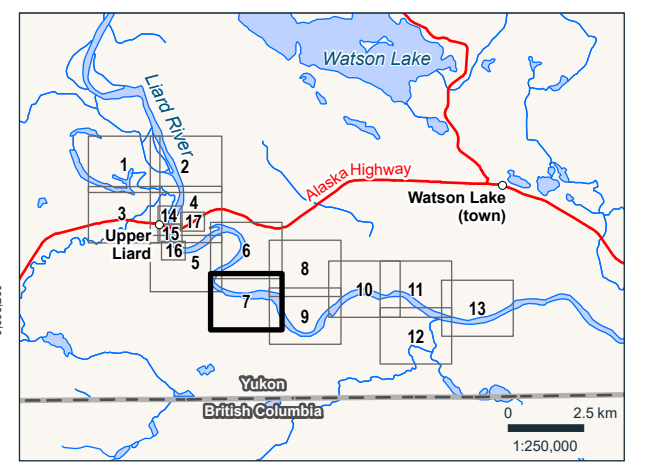
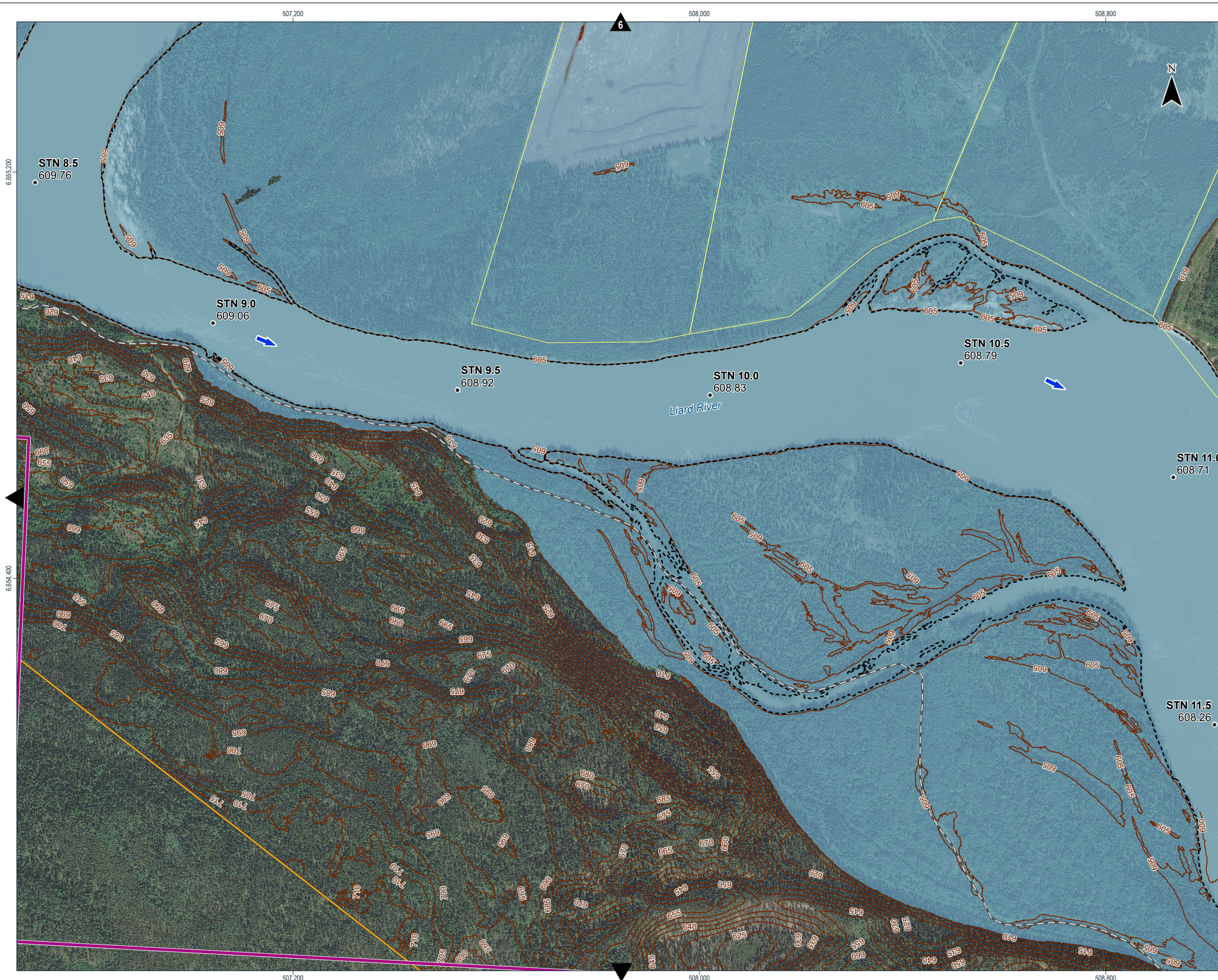
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ROAD NETWORK

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TOPOGRAPHY

- 600— Index Contour - 5 m Interval

BOUNDARY

- ▭ First Nation Settlement Lands - Unsurveyed
- ▭ Land Parcel



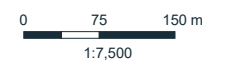
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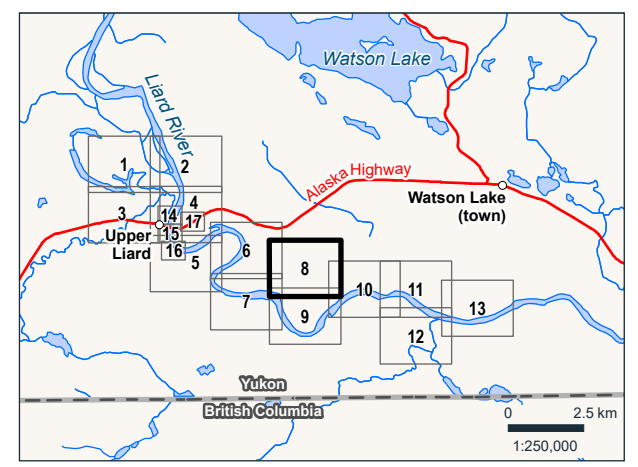
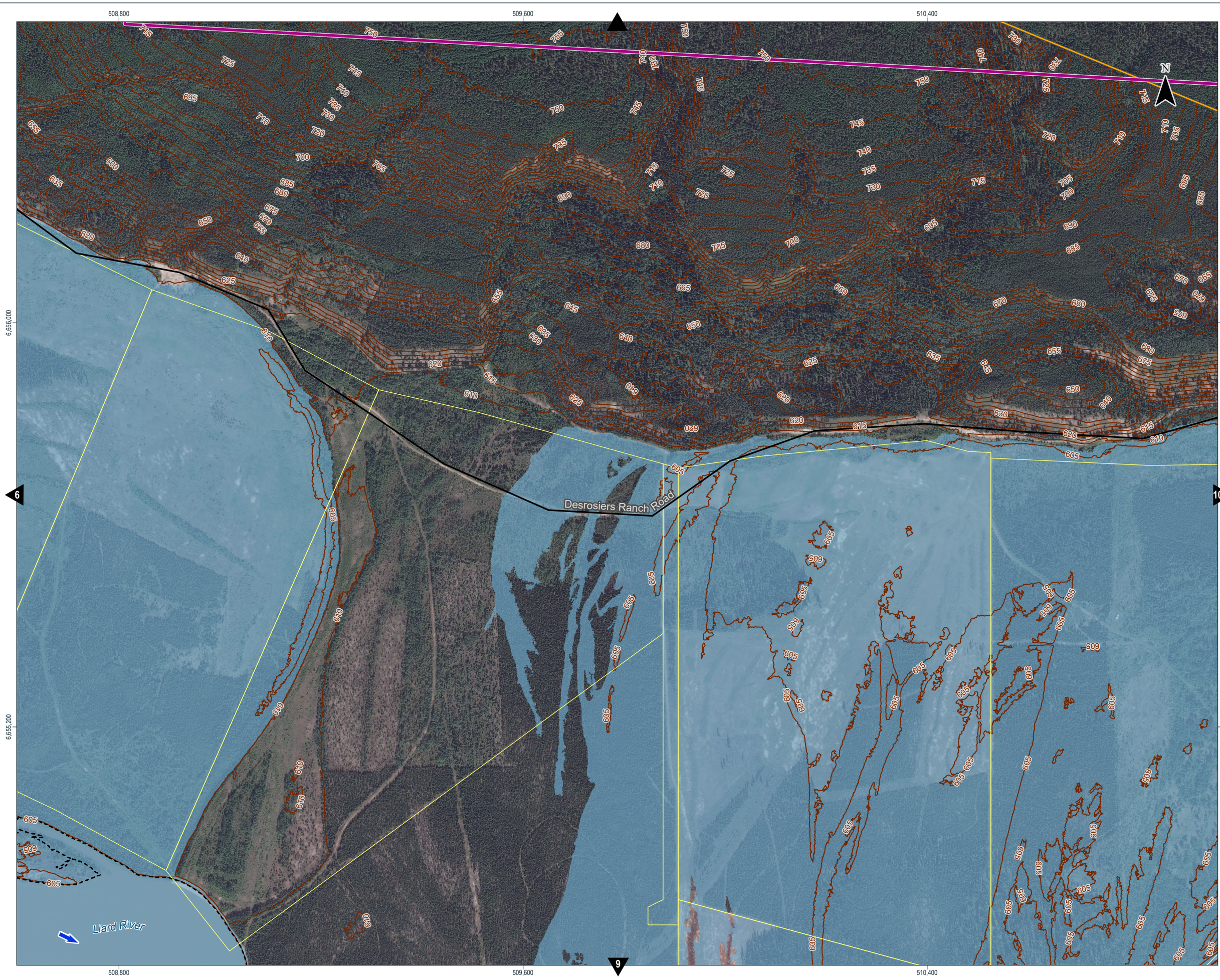
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March 2026

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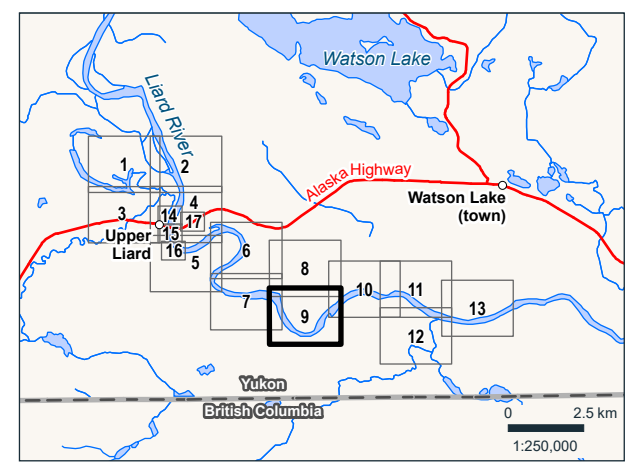
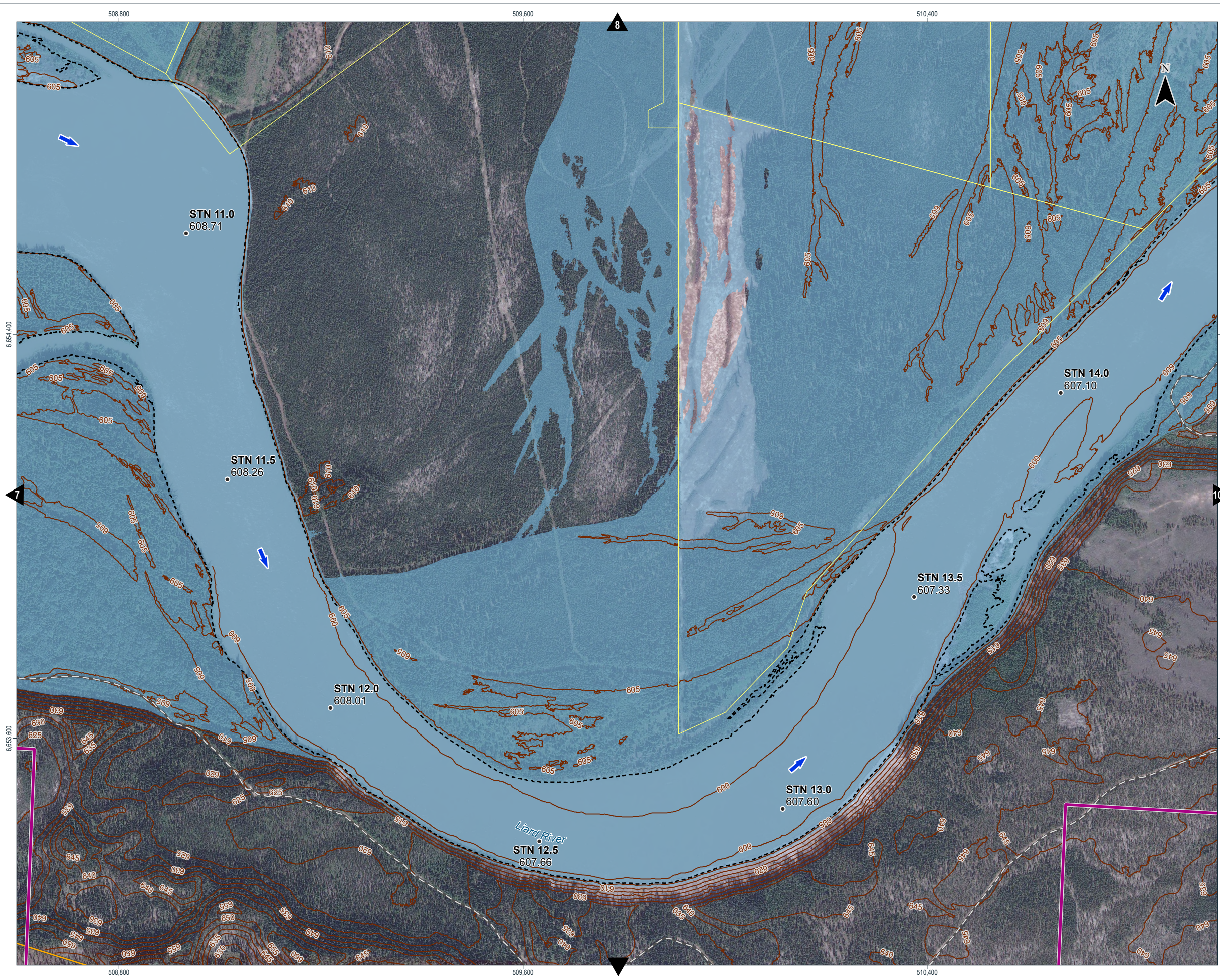
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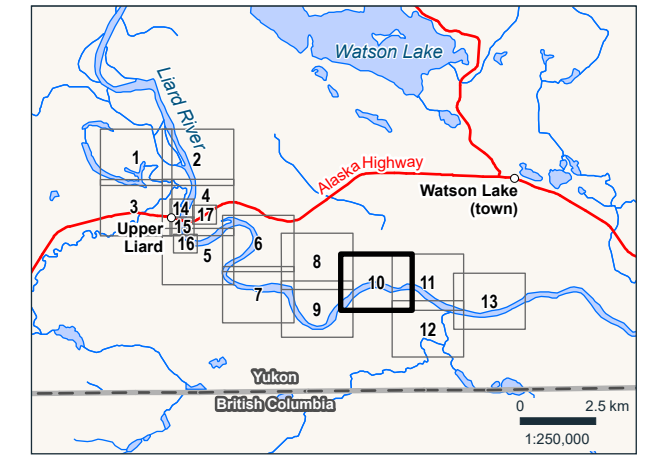
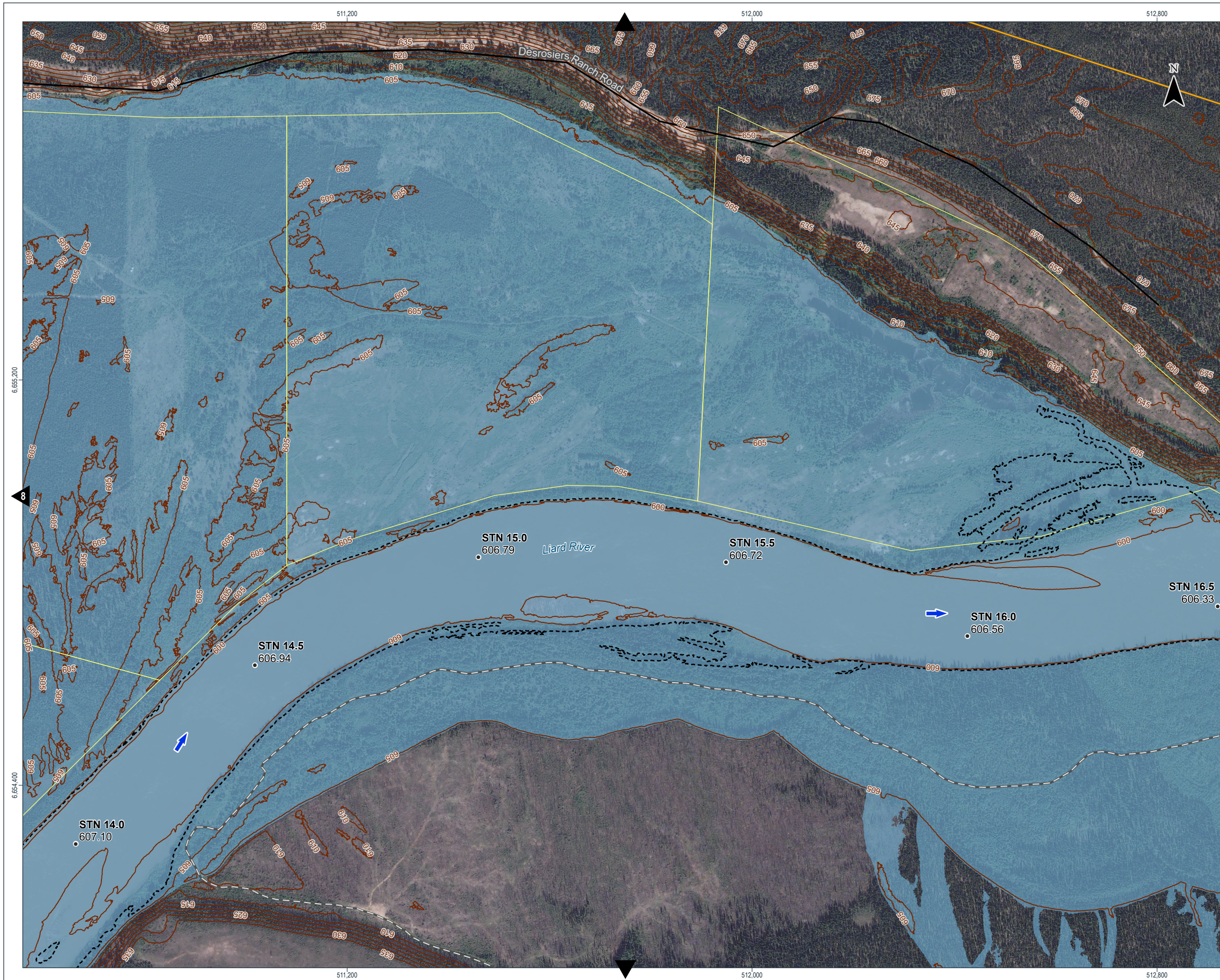
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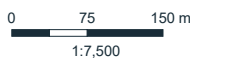
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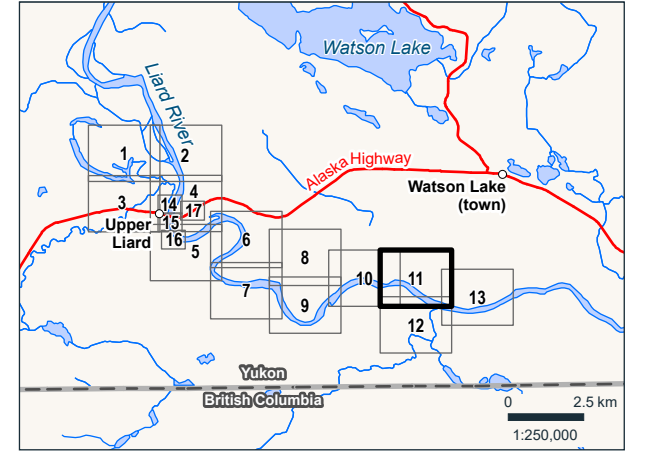
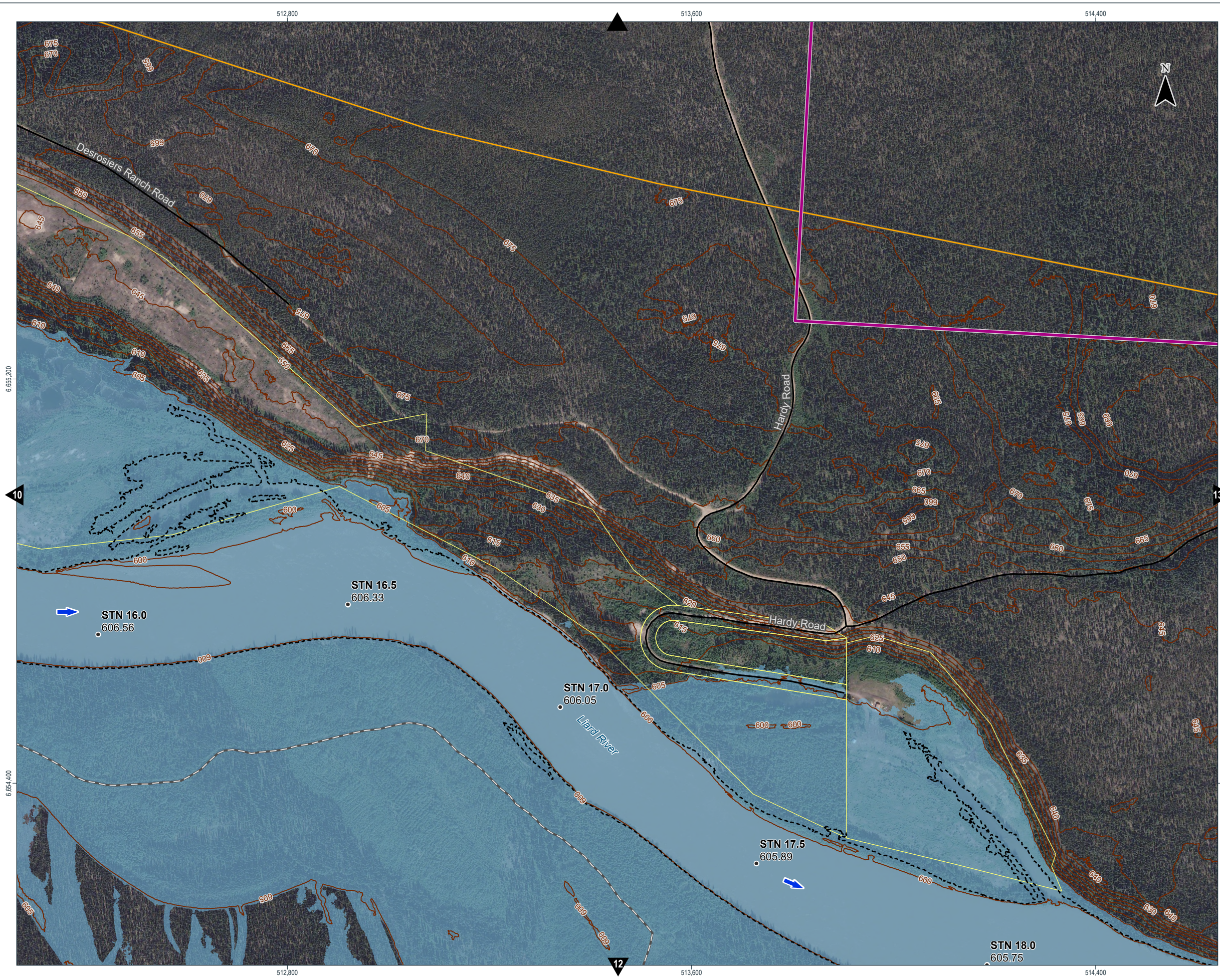
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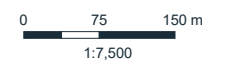
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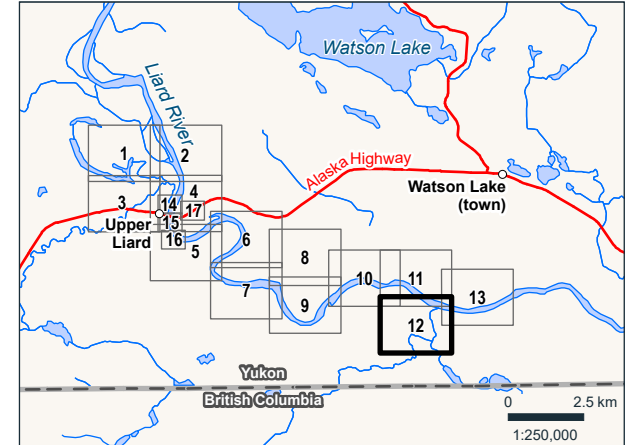
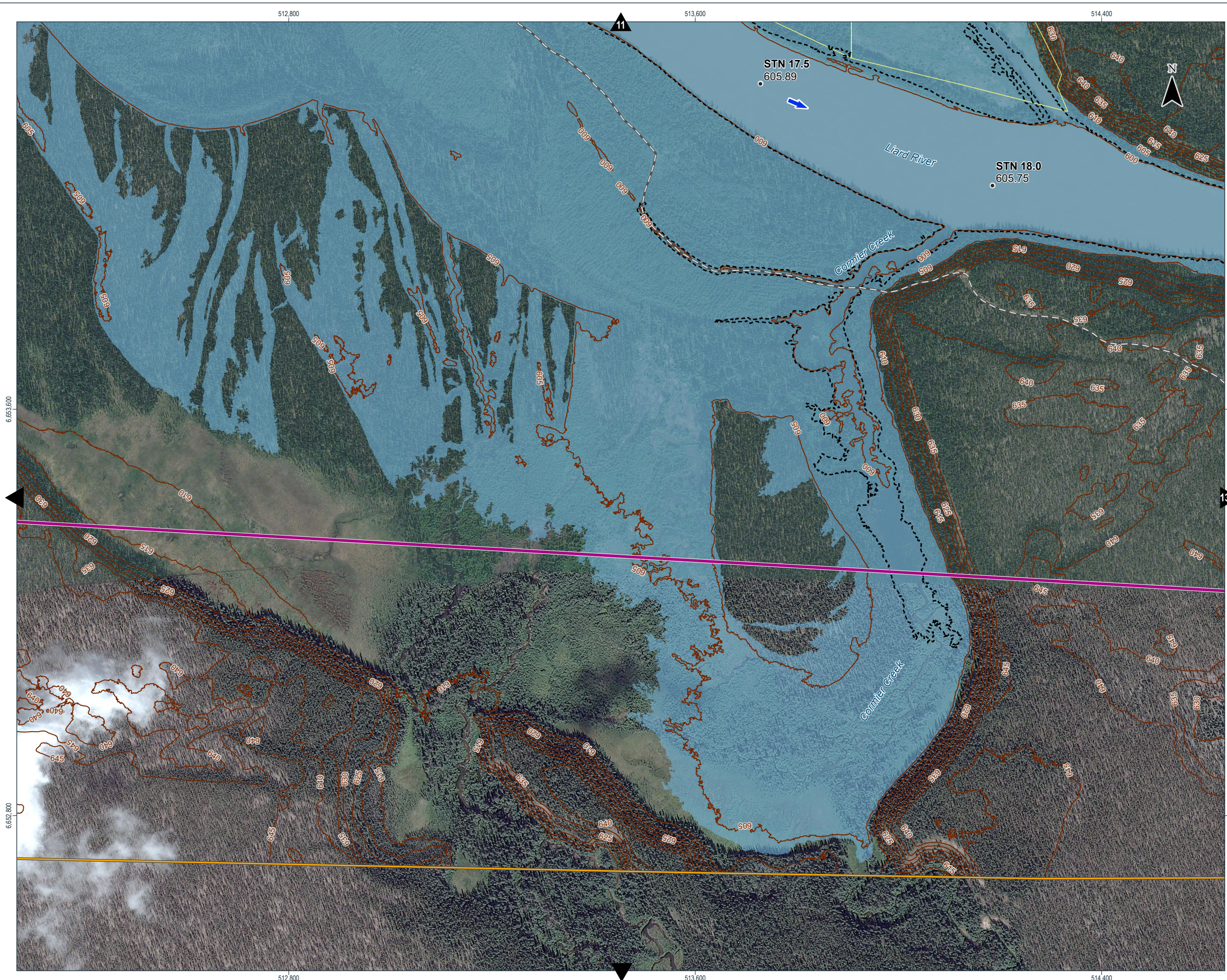
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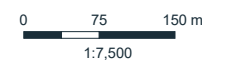
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Estimated 1% Annual Exceedance Probability (AEP) Event Under Climate Change Conditions

Sources :
 CANVEC, 1 : 50,000, NR Canada, 2025
 LIDAR capture by McElhannay Ltd on August 2 and 8, 2024
 Bathymetry Survey by AtkinsRéalis from June 4 to 18, 2025
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 Flood Hazard Modelling, AtkinsRéalis, December 2025

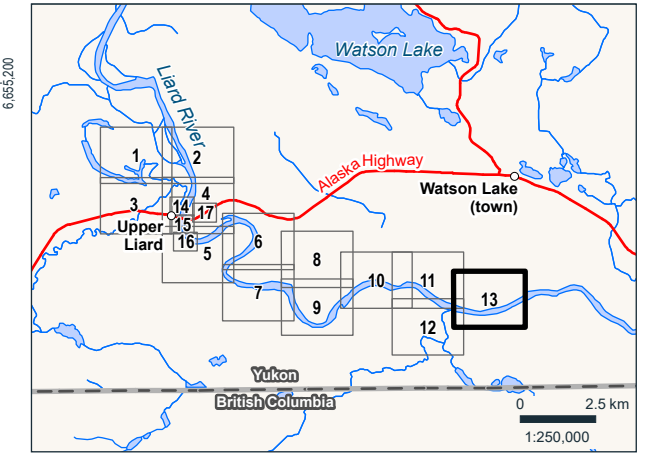
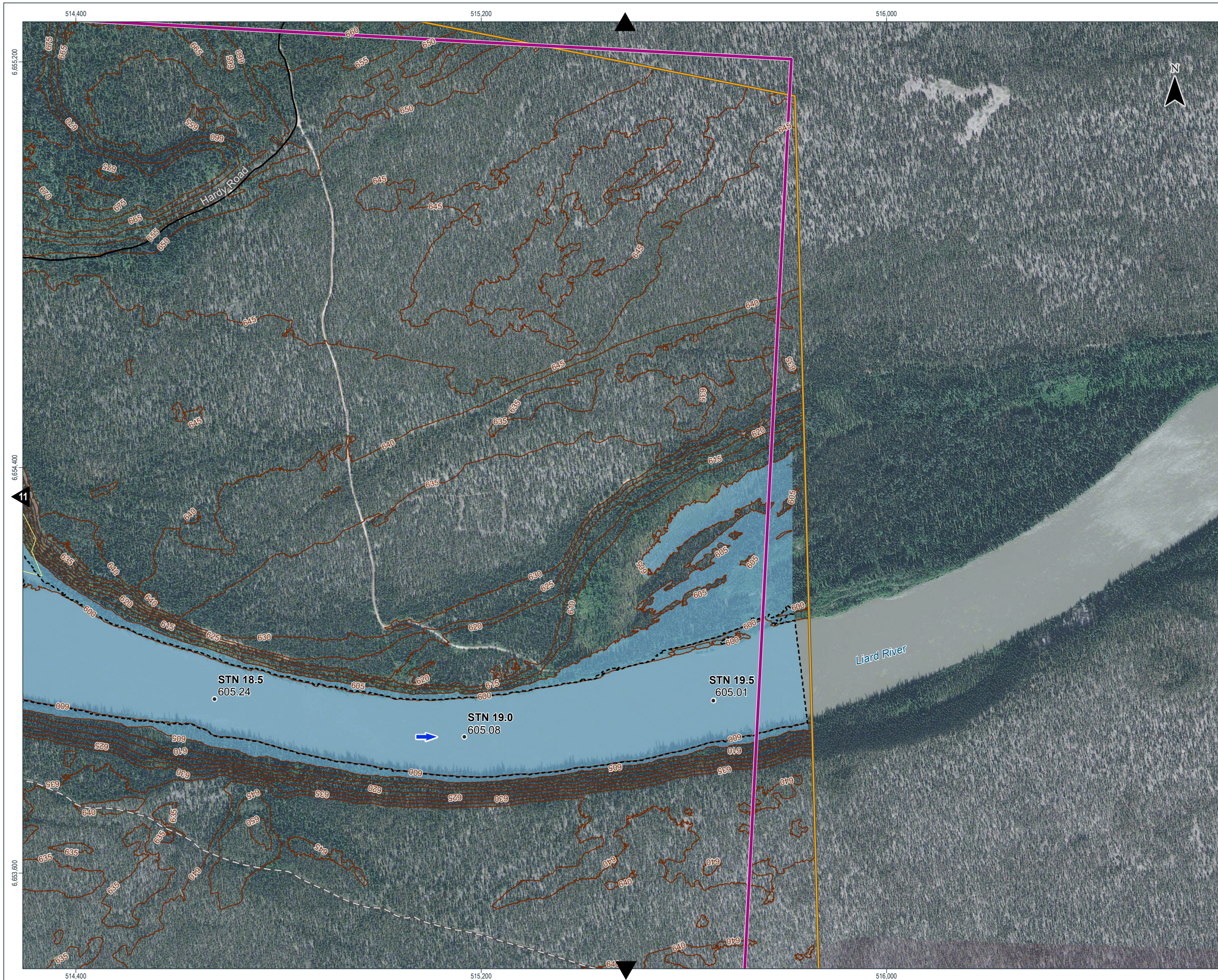
Project 705450
 Coordinate System : NAD83 (SCRS) UTM Zone 9N
 Vertical datum : CGVD2013 / Geoid : CGG2013 a

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FLOOD HAZARD MODELLING

- STN 0.0** Stationing
- 611.04 Inundation Levels (m)
- + 611.13 Ground Levels (m)
- Average Annual Peak (50% AEP)
- Flood Inundation 1% AEP
- Flow Direction
- Area of Interest
- LiDAR Extent

ROAD NETWORK

- ◆ Bridge
- Culvert
- Major Road
- Local Road
- Road (unmaintained)

TOPOGRAPHY

- 600— Index Contour - 5 m Interval

BOUNDARY

- ▨ First Nation Settlement Lands - Unsurveyed
- Land Parcel



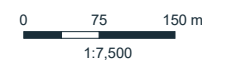
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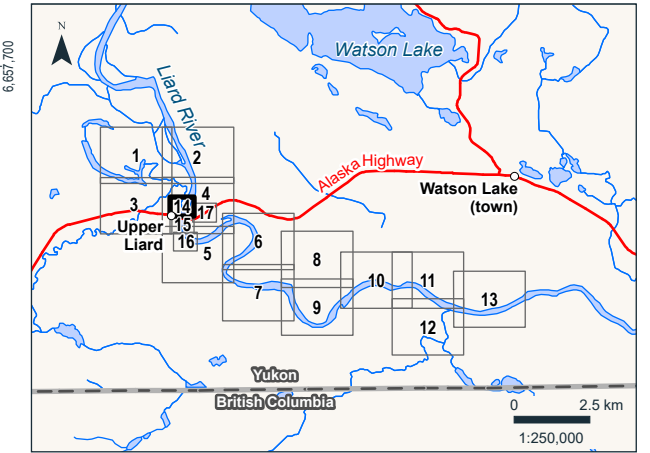
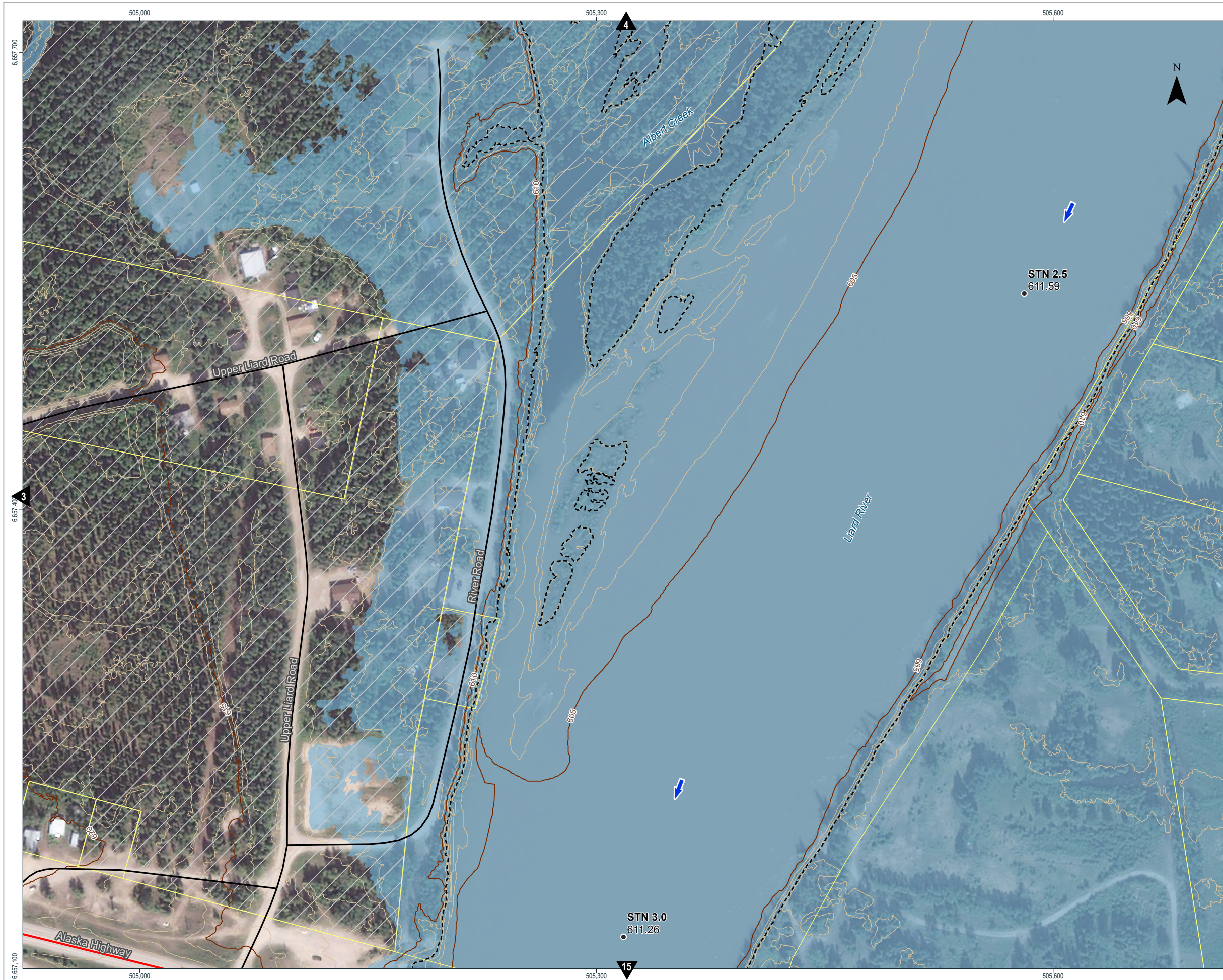
Project 705450
 Coordinate System : NAD83 (SCRS) UTM Zone 9N
 Vertical datum : CGVD2013 / Geoid : CGG2013 a

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FLOOD HAZARD MODELLING

- STN 0.0** Stationing
- 611.04 Inundation Levels (m)
- + 611.13 Ground Levels (m)
- Average Annual Peak (50% AEP)
- Flood Inundation 1% AEP
- ➔ Flow Direction
- ▭ Area of Interest
- ▭ LiDAR Extent

ROAD NETWORK

- ◆ Bridge
- Major Road
- Culvert
- Local Road
- Road (unmaintained)

TOPOGRAPHY

- 600— Index Contour - 5 m Interval
- Contour - 1 m Interval

BOUNDARY

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UPPER LIARD FLOOD MAPPING STUDY

Estimated 1% Annual Exceedance Probability (AEP) Event Under Climate Change Conditions

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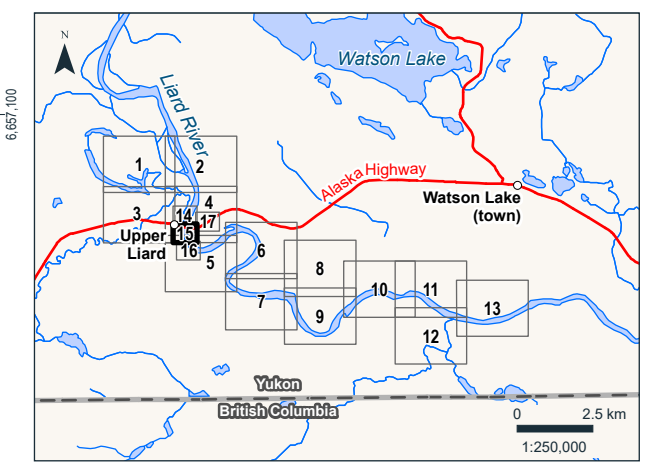
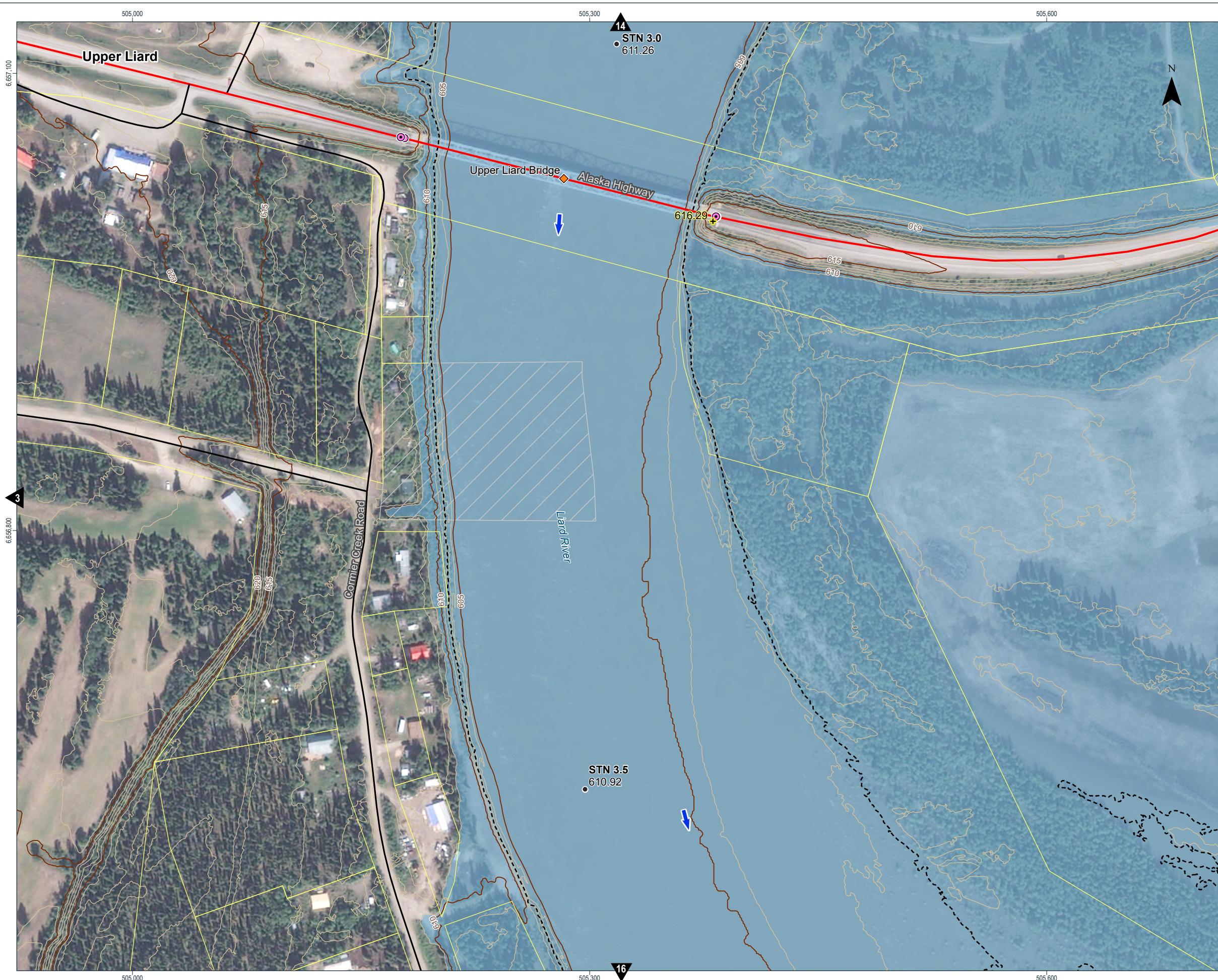
Project 705450
 Coordinate System : NAD83 (SCRS) UTM Zone 9N
 Vertical datum : CGVD2013 / Geoid : CGG2013 a



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March 2026

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- FLOOD HAZARD MODELLING**
- STN 0.0 Stationing
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 - 611.13 Ground Levels (m)
 - Average Annual Peak (50% AEP)
 - Flood Inundation 1% AEP
 - Flow Direction
 - Area of Interest
 - LiDAR Extent

- ROAD NETWORK**
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 - Culvert
 - Major Road
 - Local Road
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- TOPOGRAPHY**
- 600 Index Contour - 5 m Interval
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- BOUNDARY**
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 - Land Parcel



UPPER LIARD FLOOD MAPPING STUDY

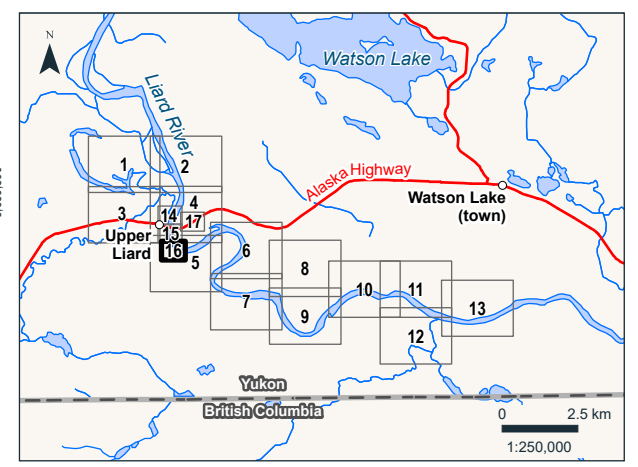
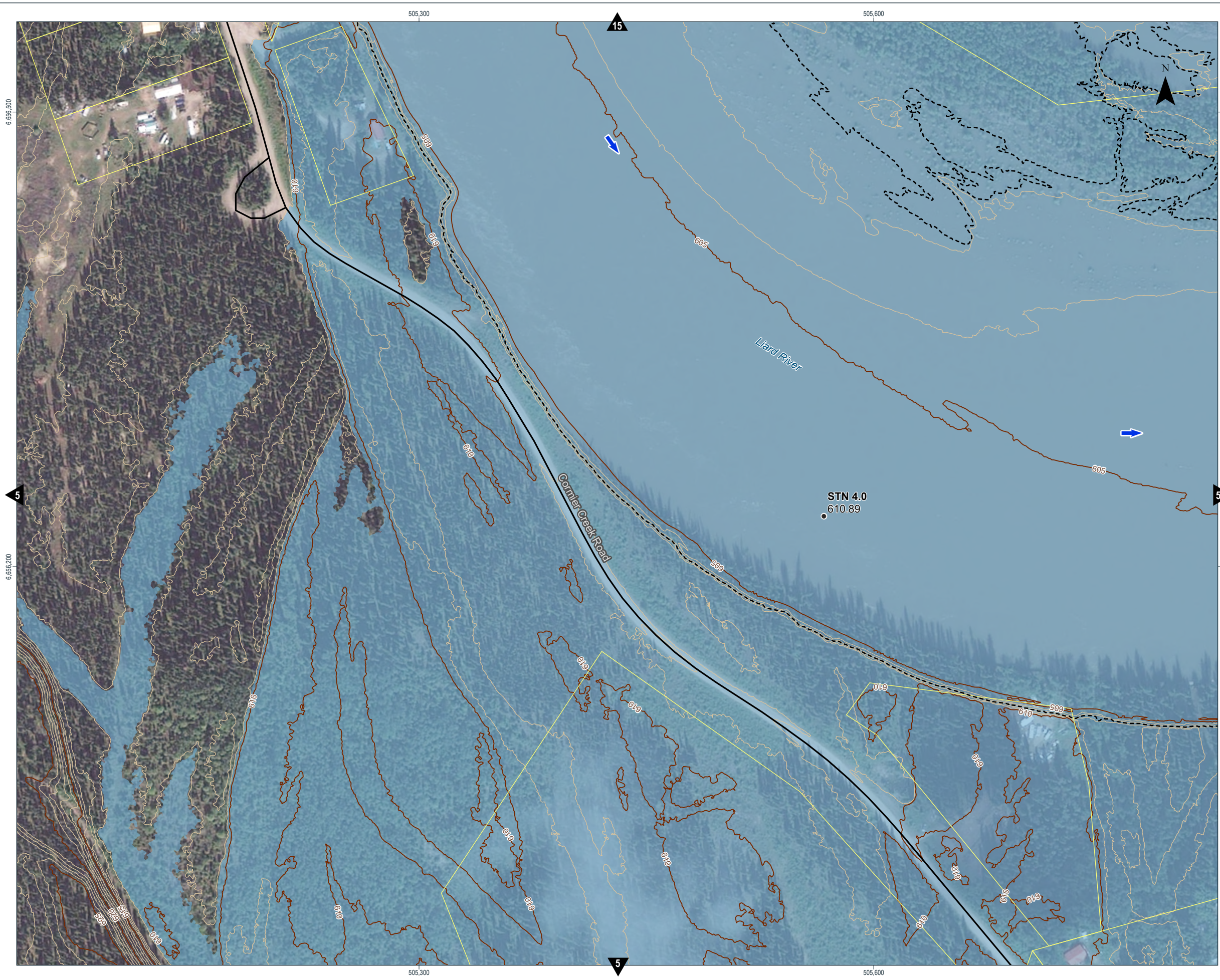
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Project 705450
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 Vertical datum : CGVD2013 / Geoid : CGG2013 a

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FLOOD HAZARD MODELLING

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- Contour - 1 m Interval

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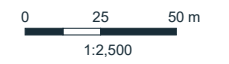


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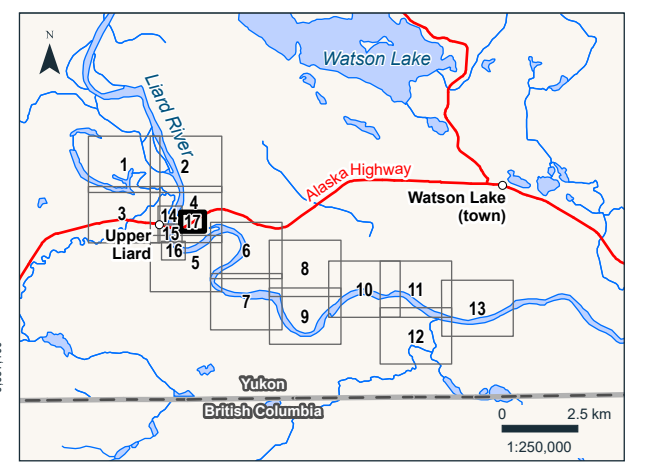
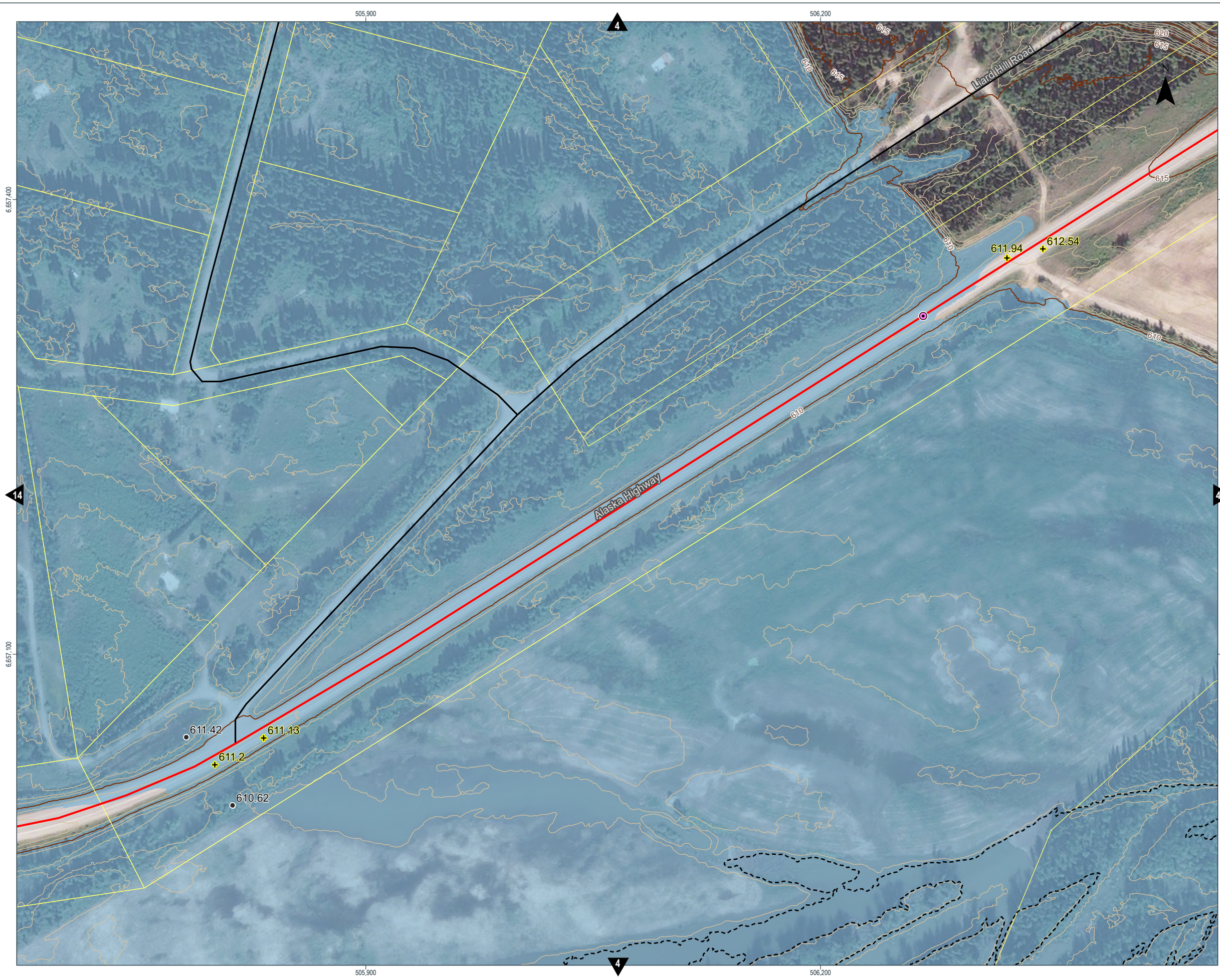
Project 705450
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 Vertical datum : CGVD2013 / Geoid : CGG2013 a



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March 2026

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- FLOOD HAZARD MODELLING**
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