

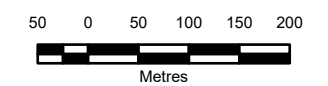
**LEGEND:**

- 5 m Index Contour
- Limit of LiDAR
- Average Annual Peak (50% AEP)
- 5% AEP Inundation - Open Water

**NOTES:**

1. AEP corresponds to the Annual Exceedance Probability.
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**DRAFT**



SCALE: 1:7,500 METRIC 11"x17"

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 Transverse Mercator Projection, NAD83 Yukon Albers CSRS.  
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 Canadian Geodetic Vertical Datum 2013 (CGVD2013).

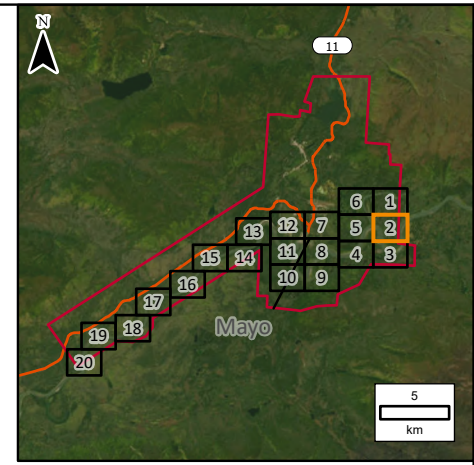
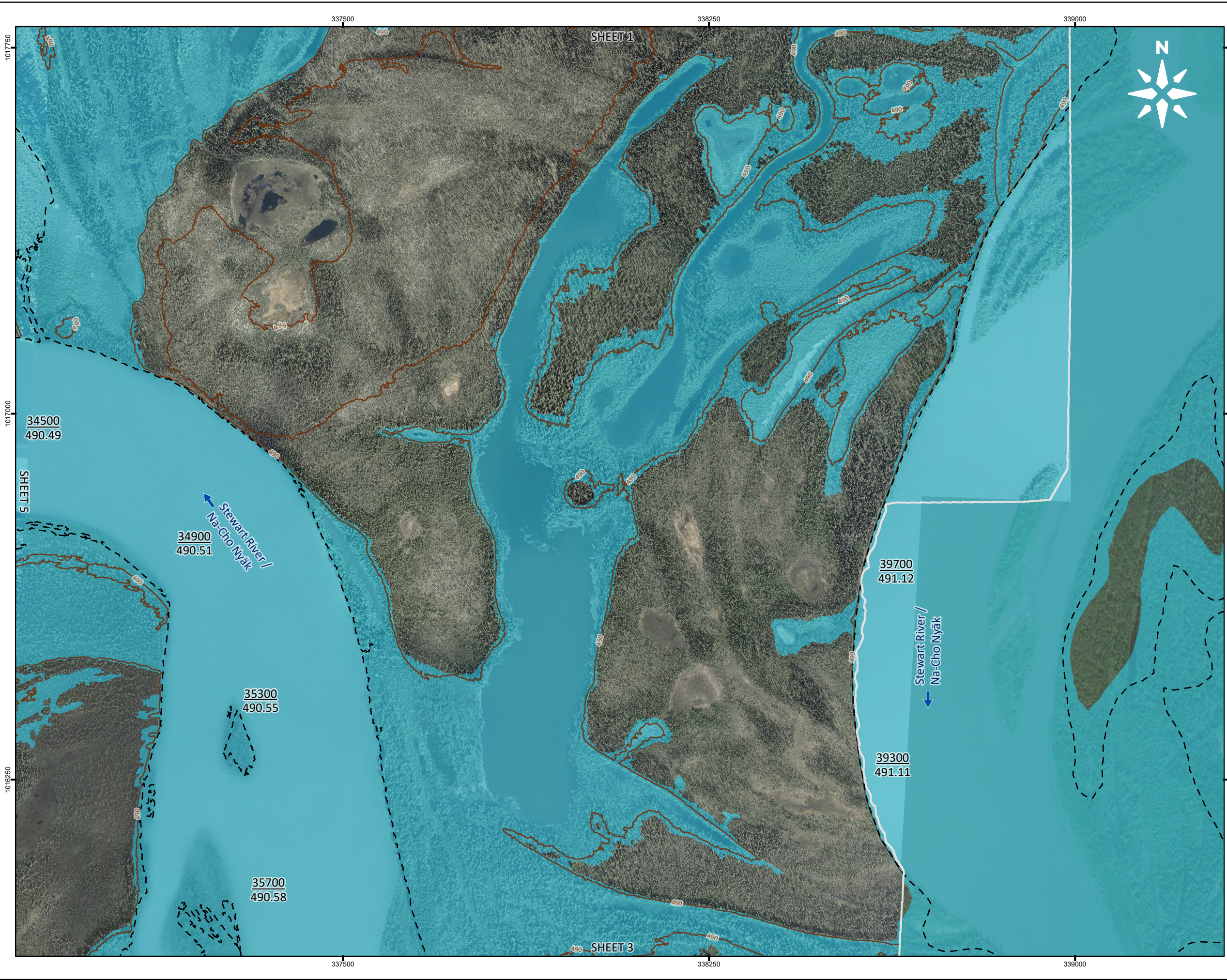
B	26/05/12	ISSUED FOR REVIEW	ALW	MAH
A	26/03/20	ISSUED FOR REVIEW	ALW	MAH
NO.	YYMMDD	DESCRIPTION	ISSUED BY	CHECK BY
REVISIONS / ISSUE				

MAYO FLOOD MAPPING STUDY

STEWART RIVER / NA-CHO NYAK

OPEN WATER 5% ANNUAL EXCEEDANCE PROBABILITY

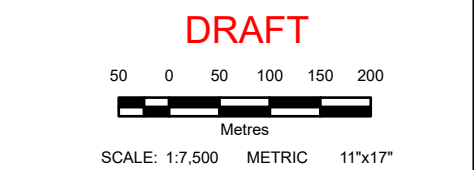
MAY 2026	SHEET 1 OF 20	REV: B
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**LEGEND:**

<u>21713.4</u>	River Stationing
<u>490.32</u>	Water Surface Elevation (m)
	5 m Index Contour
	Limit of LiDAR
	Average Annual Peak (50% AEP)
	5% AEP Inundation - Open Water

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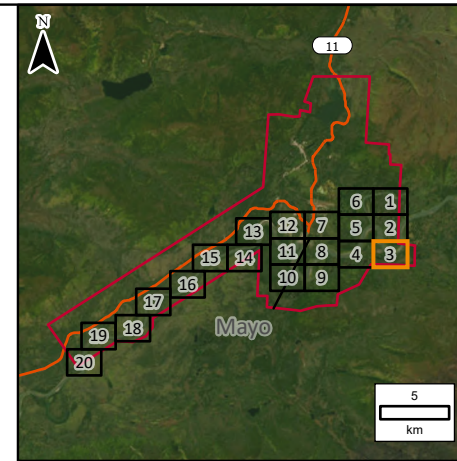
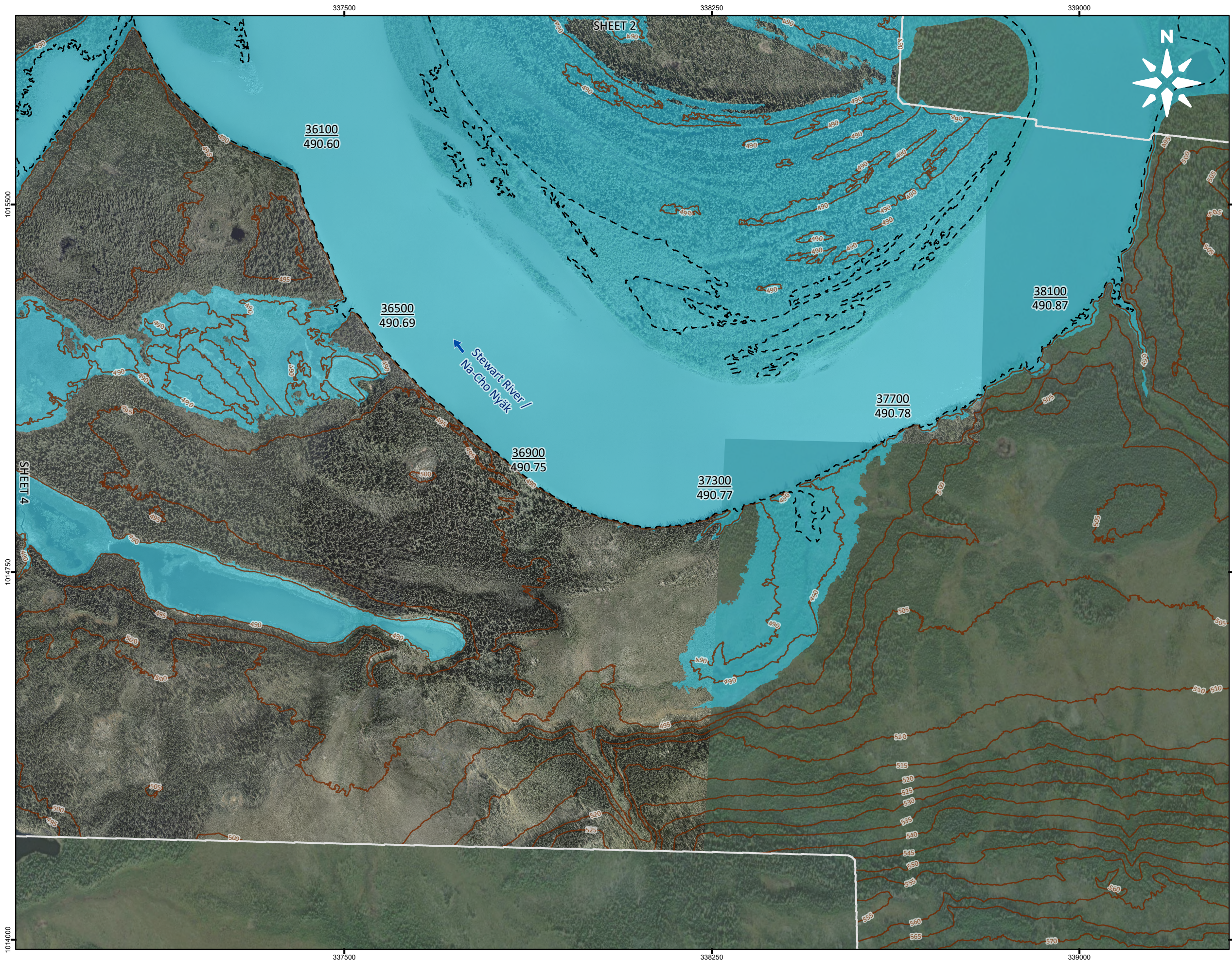
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<b>MAYO FLOOD MAPPING STUDY</b>	
<b>STEWART RIVER / NA-CHO NYÄK OPEN WATER 5% ANNUAL EXCEEDANCE PROBABILITY</b>	
MAY 2026	SHEET 2 OF 20
	REV: B

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File Name: R:\Projects\2024\24-2708-001\Design\GIS\Data\AcPro\Inundation Mapping\Inundation Mapping.aprx.24-2708-001-Fig4.1  
11"x17" PLOT SCALE: 1:1



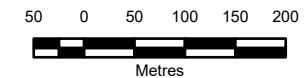
**LEGEND:**

- 21713.4 River Stationing
- 490.32 Water Surface Elevation (m)
- 5 m Index Contour
- Limit of LiDAR
- - Average Annual Peak (50% AEP)
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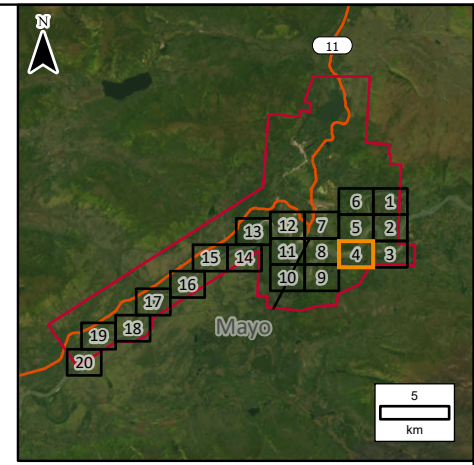
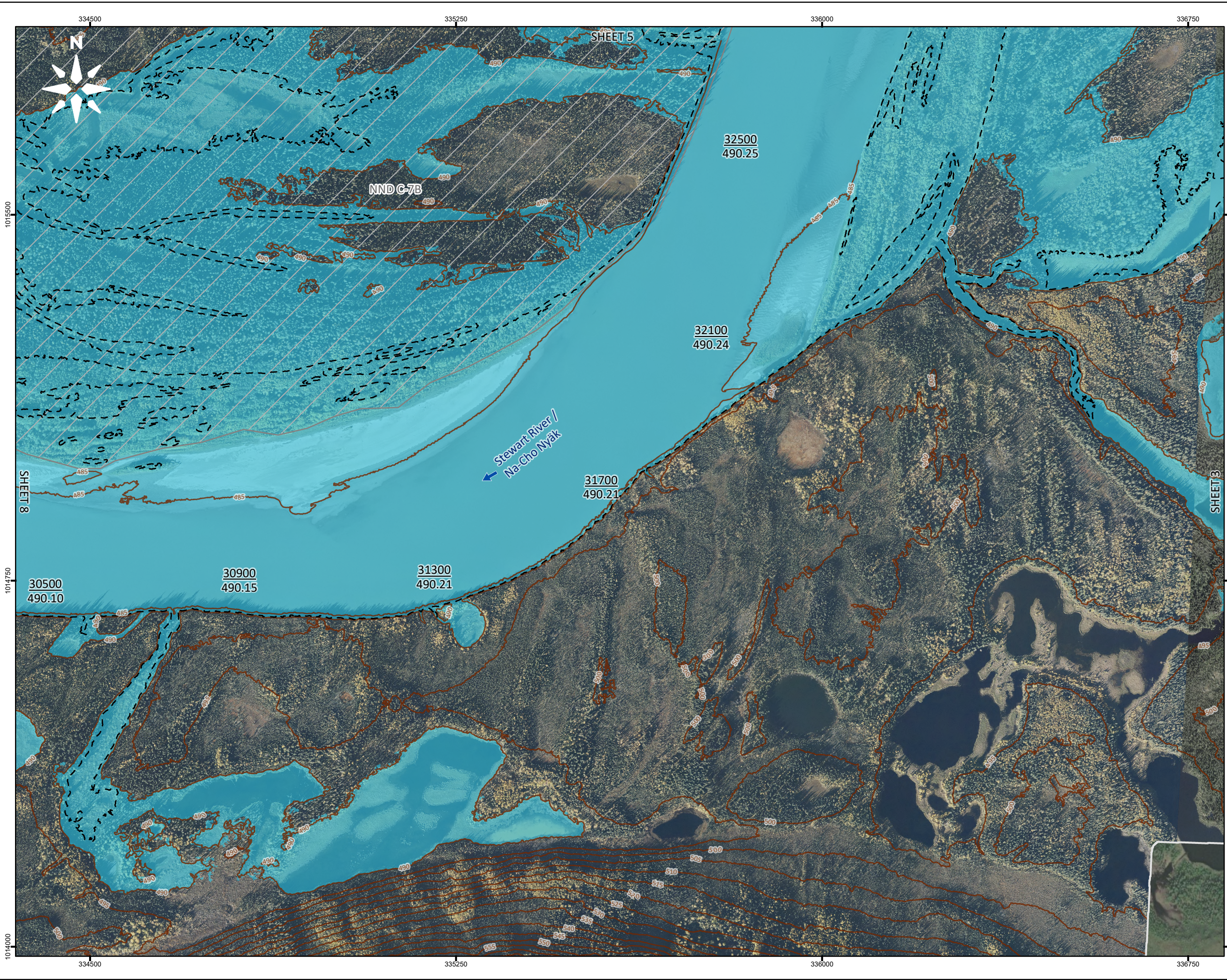


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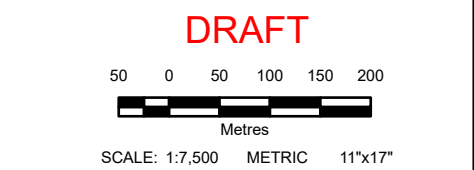
<b>KGS</b> GROUP	<b>Yukon</b> Canada
MAYO FLOOD MAPPING STUDY	
STEWART RIVER / NA-CHO NYÄK OPEN WATER 5% ANNUAL EXCEEDANCE PROBABILITY	
MAY 2026	SHEET 3 OF 20
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**LEGEND:**

	River Stationing
	Water Surface Elevation (m)
	5 m Index Contour
	Limit of LiDAR
	Average Annual Peak (50% AEP)
	5% AEP Inundation - Open Water
	First Nation Settlement Lands - Surveyed

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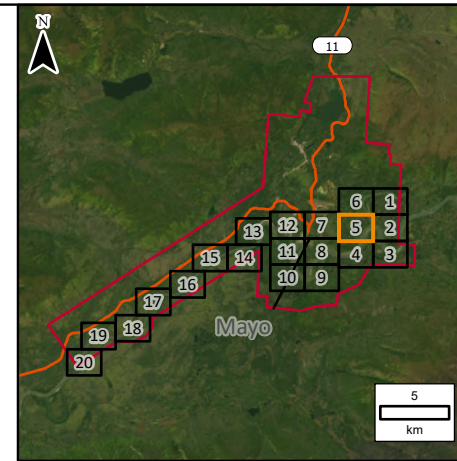
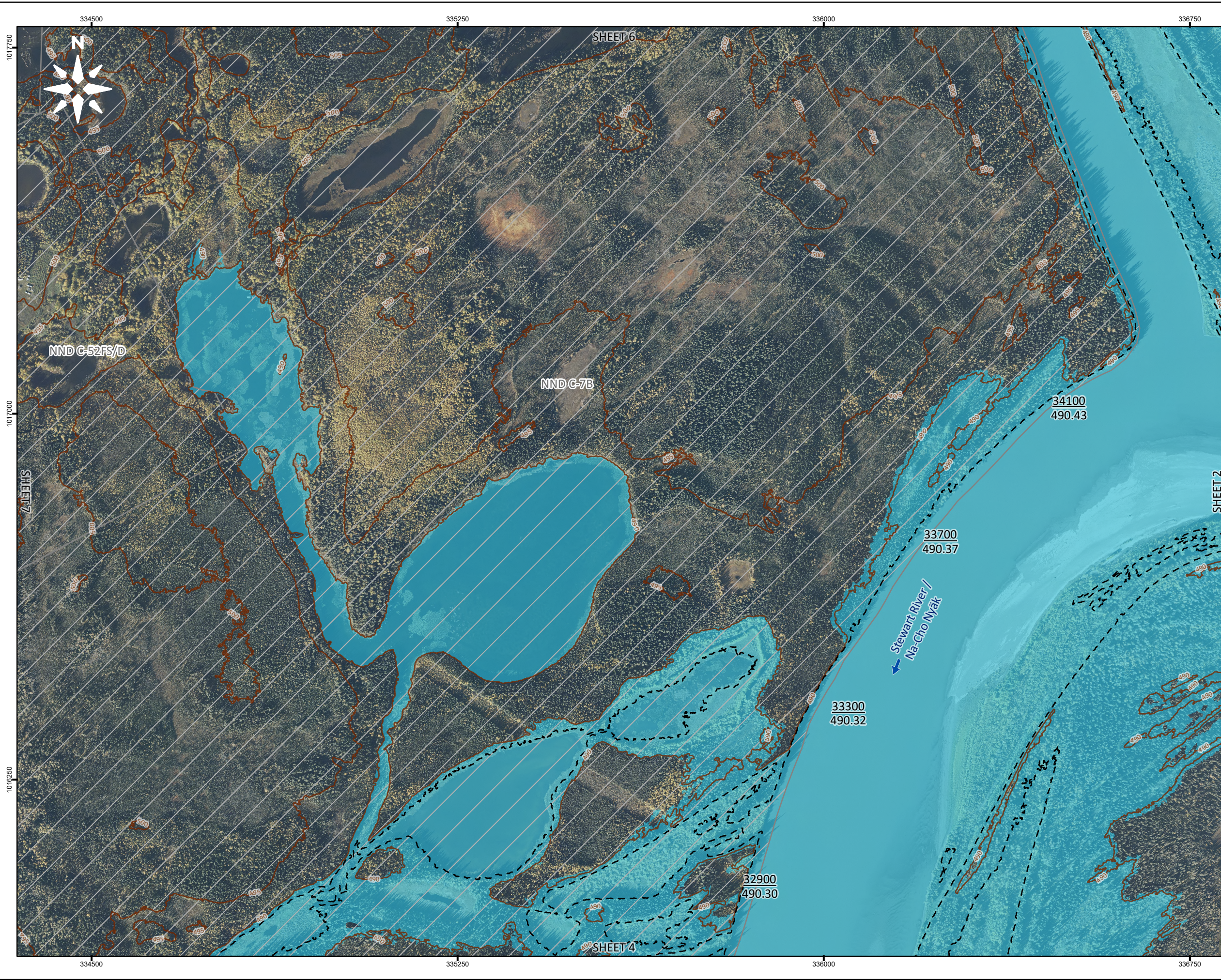


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REVISIONS / ISSUE

<b>MAYO FLOOD MAPPING STUDY</b>	
<b>STEWART RIVER / NA-CHO NYÄK OPEN WATER 5% ANNUAL EXCEEDANCE PROBABILITY</b>	
MAY 2026	SHEET 4 OF 20
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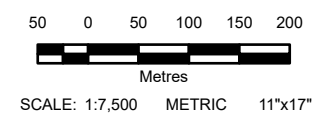


**LEGEND:**

<span style="color: blue;">21713.4</span>	River Stationing
490.32	Water Surface Elevation (m)
	5 m Index Contour
	Average Annual Peak (50% AEP)
	5% AEP Inundation - Open Water
	First Nation Settlement Lands - Surveyed

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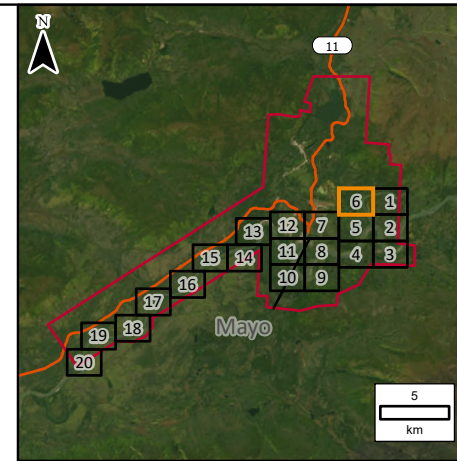
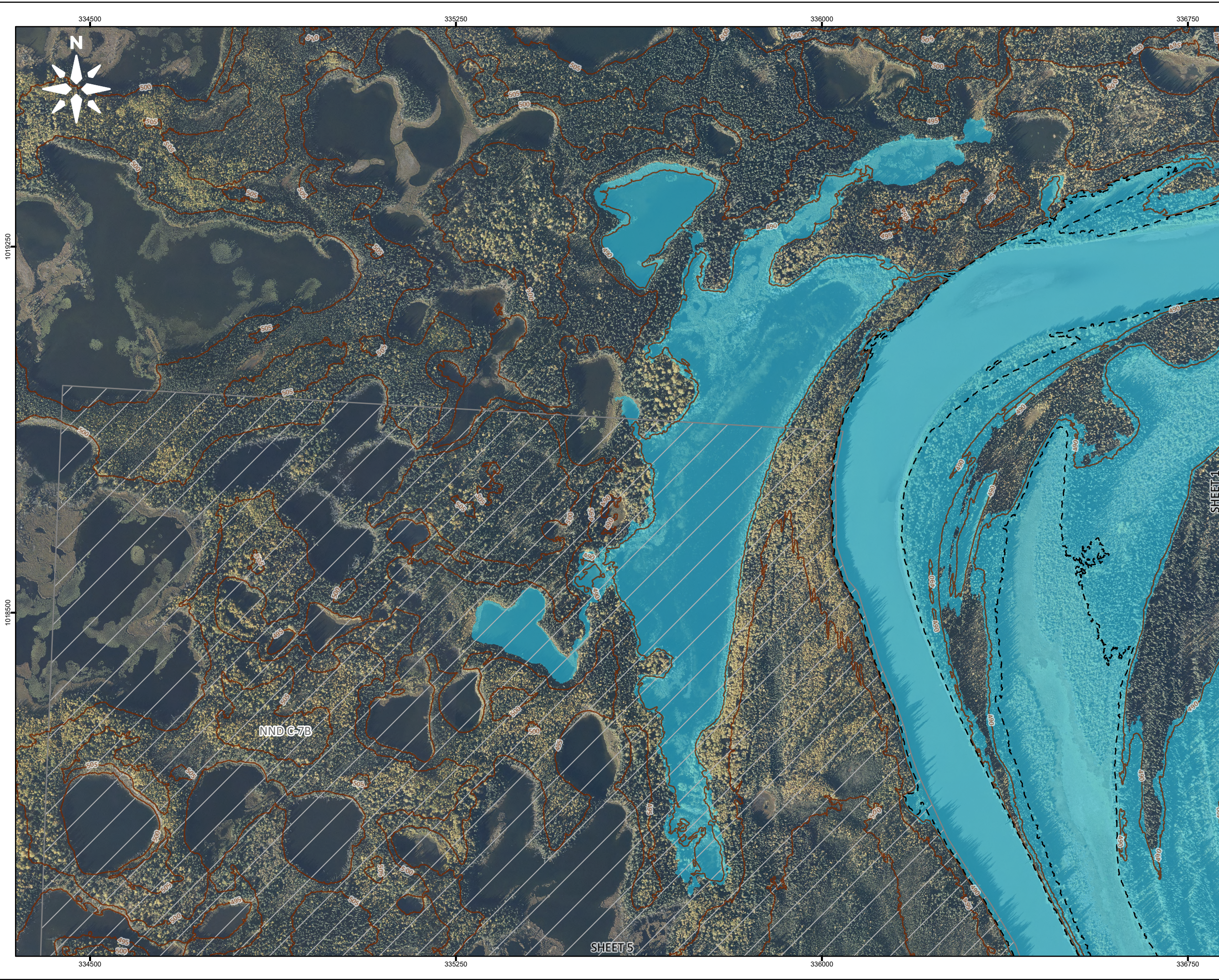
**DRAFT**



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Canadian Geodetic Vertical Datum 2013 (CGVD2013).

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A	26/03/20	ISSUED FOR REVIEW	ALW	MAH

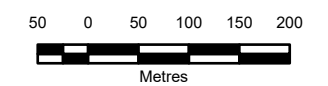
<b>REVISIONS / ISSUE</b>	
<b>MAYO FLOOD MAPPING STUDY</b>	
<b>STEWART RIVER / NA-CHO NYAK OPEN WATER 5% ANNUAL EXCEEDANCE PROBABILITY</b>	
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- LEGEND:**
- 5 m Index Contour
  - Average Annual Peak (50% AEP)
  - 5% AEP Inundation - Open Water
  - First Nation Settlement Lands - Surveyed

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**DRAFT**



SCALE: 1:7,500 METRIC 11"x17"

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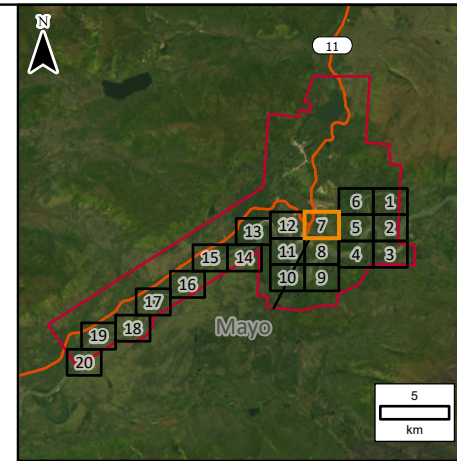
NO.	YYMMDD	DESCRIPTION	ISSUED BY	CHECK BY
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REVISIONS / ISSUE

**MAYO FLOOD MAPPING STUDY**

**STEWART RIVER / NA-CHO NYAK  
OPEN WATER 5%  
ANNUAL EXCEEDANCE PROBABILITY**

MAY 2026	SHEET 6 OF 20	REV: B
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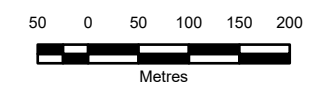
**LEGEND:**

- Culvert
- Major Road
- Local Road
- 5 m Index Contour
- Average Annual Peak (50% AEP)
- 5% AEP Inundation - Open Water
- Area Protected by Dike
- First Nation Settlement Lands - Surveyed

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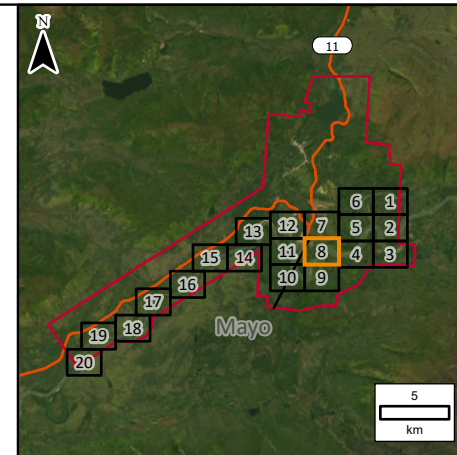
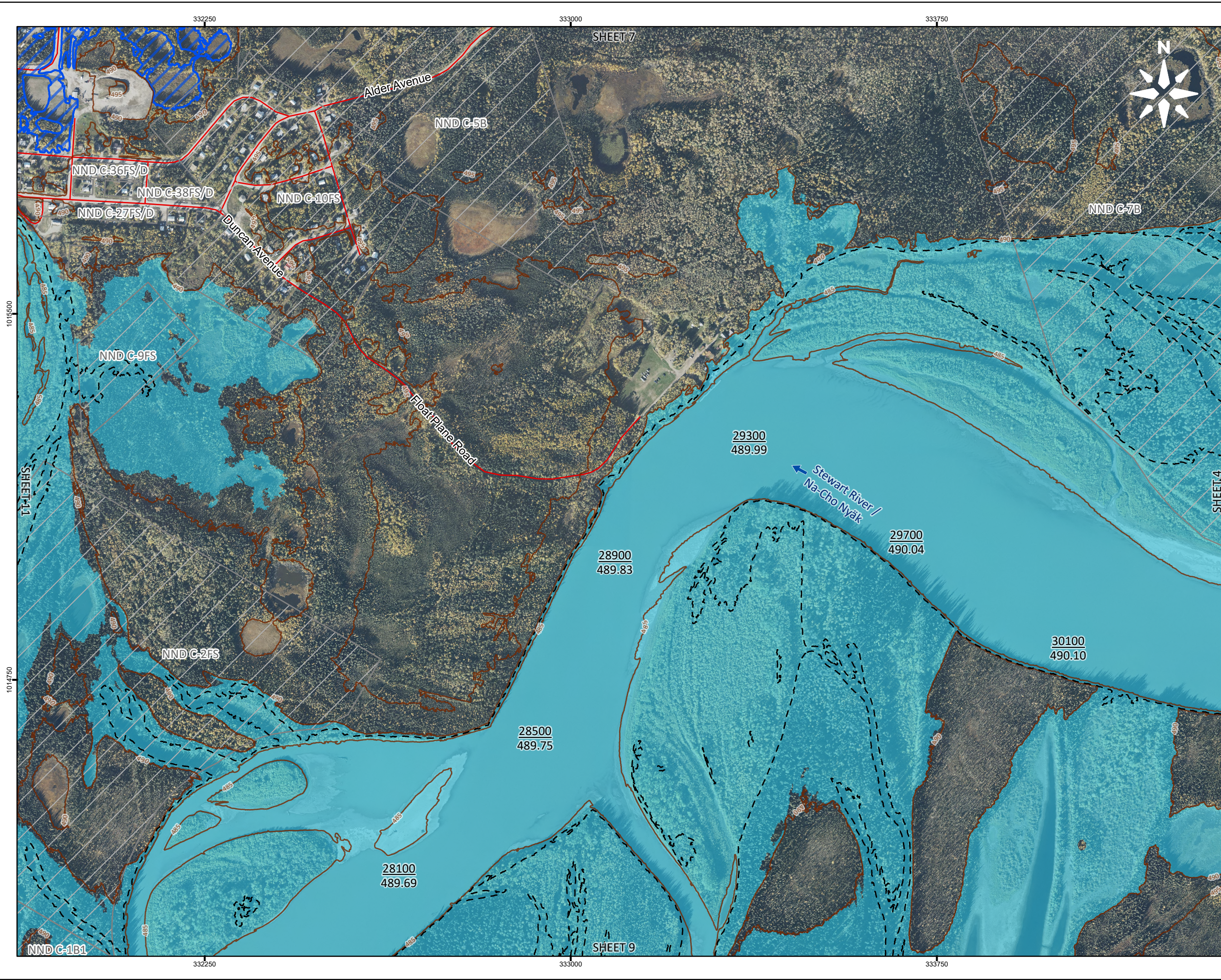
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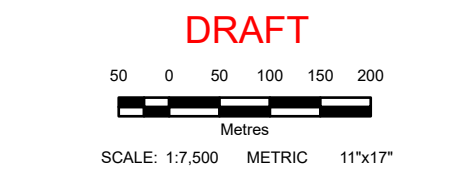
REVISIONS / ISSUE

MAYO FLOOD MAPPING STUDY		
STEWART RIVER / NA-CHO NYAK OPEN WATER 5% ANNUAL EXCEEDANCE PROBABILITY		
MAY 2026	SHEET 7 OF 20	REV: B



- LEGEND:**
- 21713.4 River Stationing
  - 490.32 Water Surface Elevation (m)
  - Local Road
  - 5 m Index Contour
  - - - Average Annual Peak (50% AEP)
  - 5% AEP Inundation - Open Water
  - Area Protected by Dike
  - First Nation Settlement Lands - Surveyed

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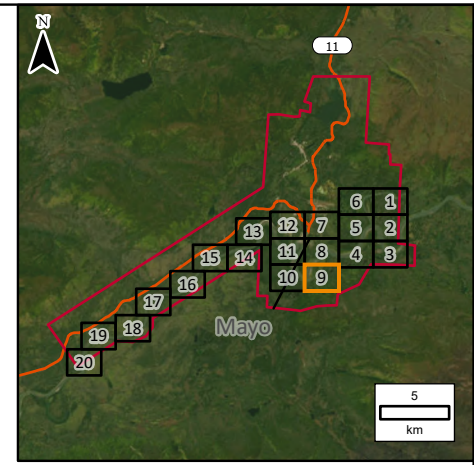
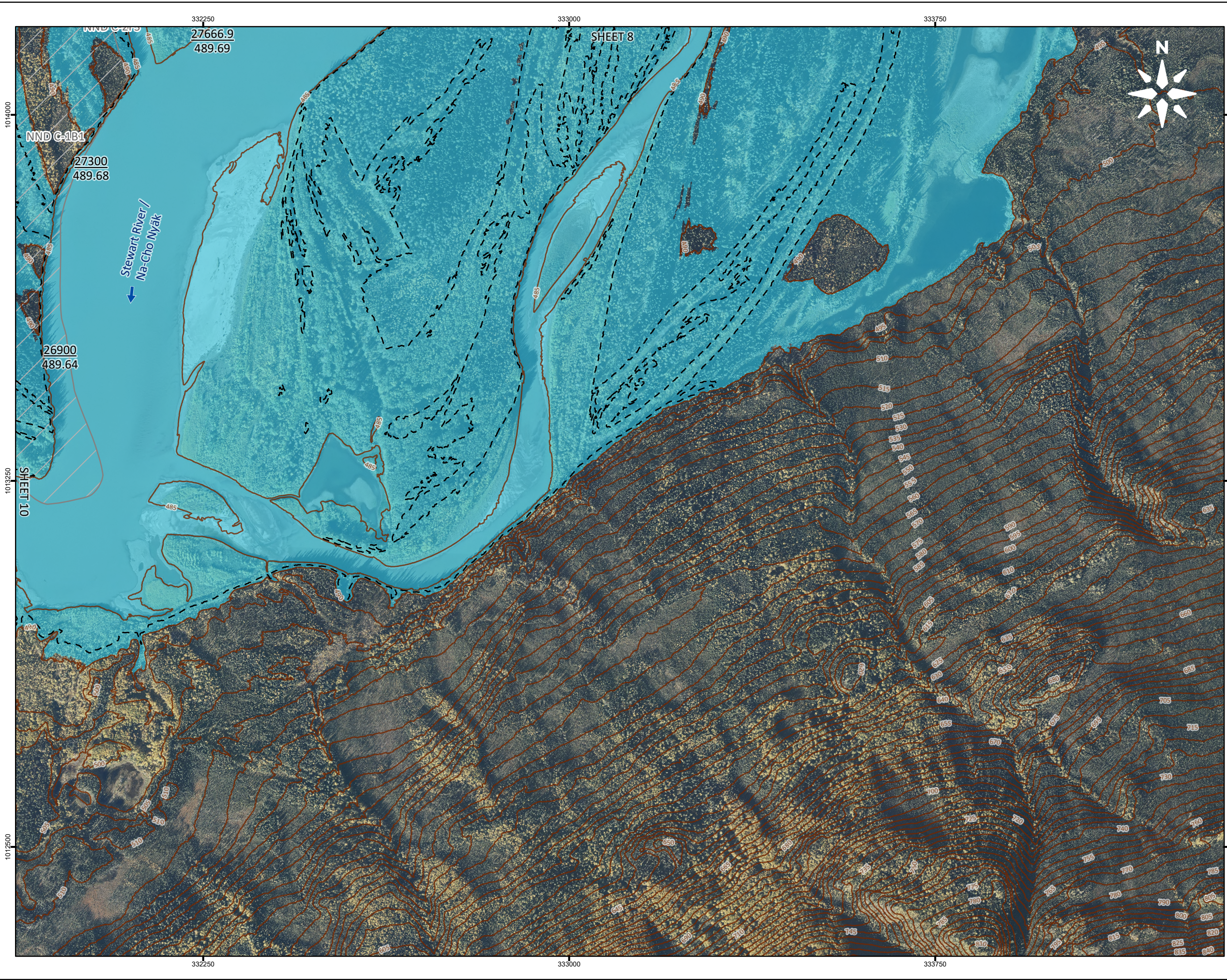
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**MAYO FLOOD MAPPING STUDY**

**STEWART RIVER / NA-CHO NYÄK  
OPEN WATER 5%  
ANNUAL EXCEEDANCE PROBABILITY**

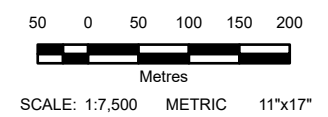
MAY 2026	SHEET 8 OF 20	REV: B
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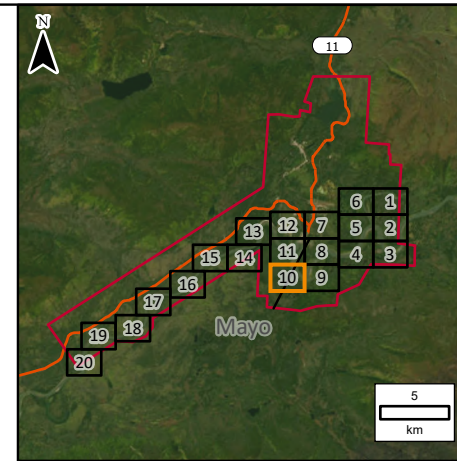
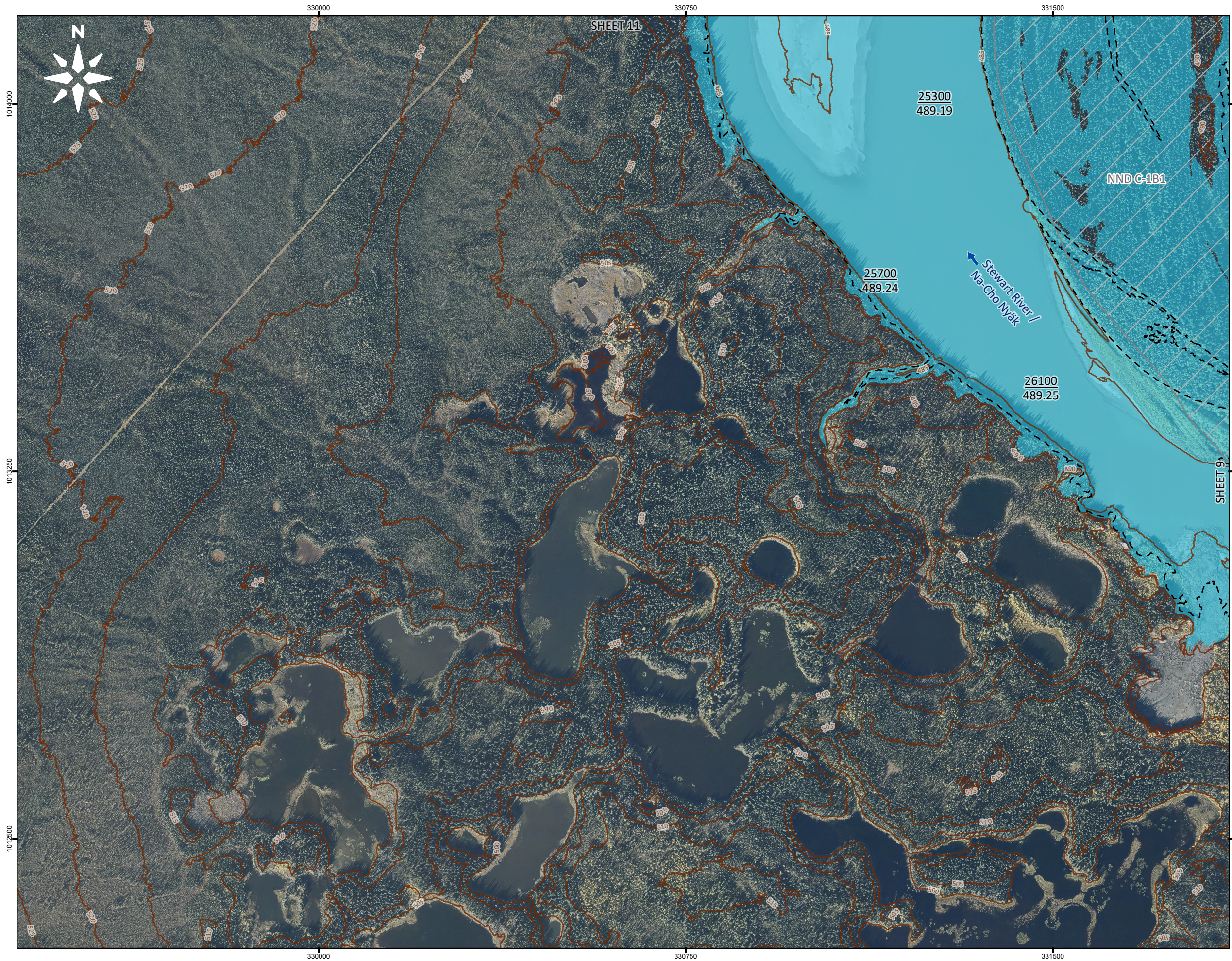
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**MAYO FLOOD MAPPING STUDY**

**STEWART RIVER / NA-CHO NYÄK  
OPEN WATER 5%  
ANNUAL EXCEEDANCE PROBABILITY**

MAY 2026	SHEET 9 OF 20	REV: B
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**LEGEND:**

- 21713.4 River Stationing
- 490.32 Water Surface Elevation (m)
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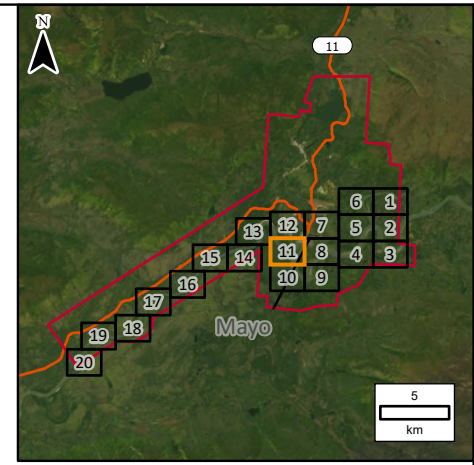
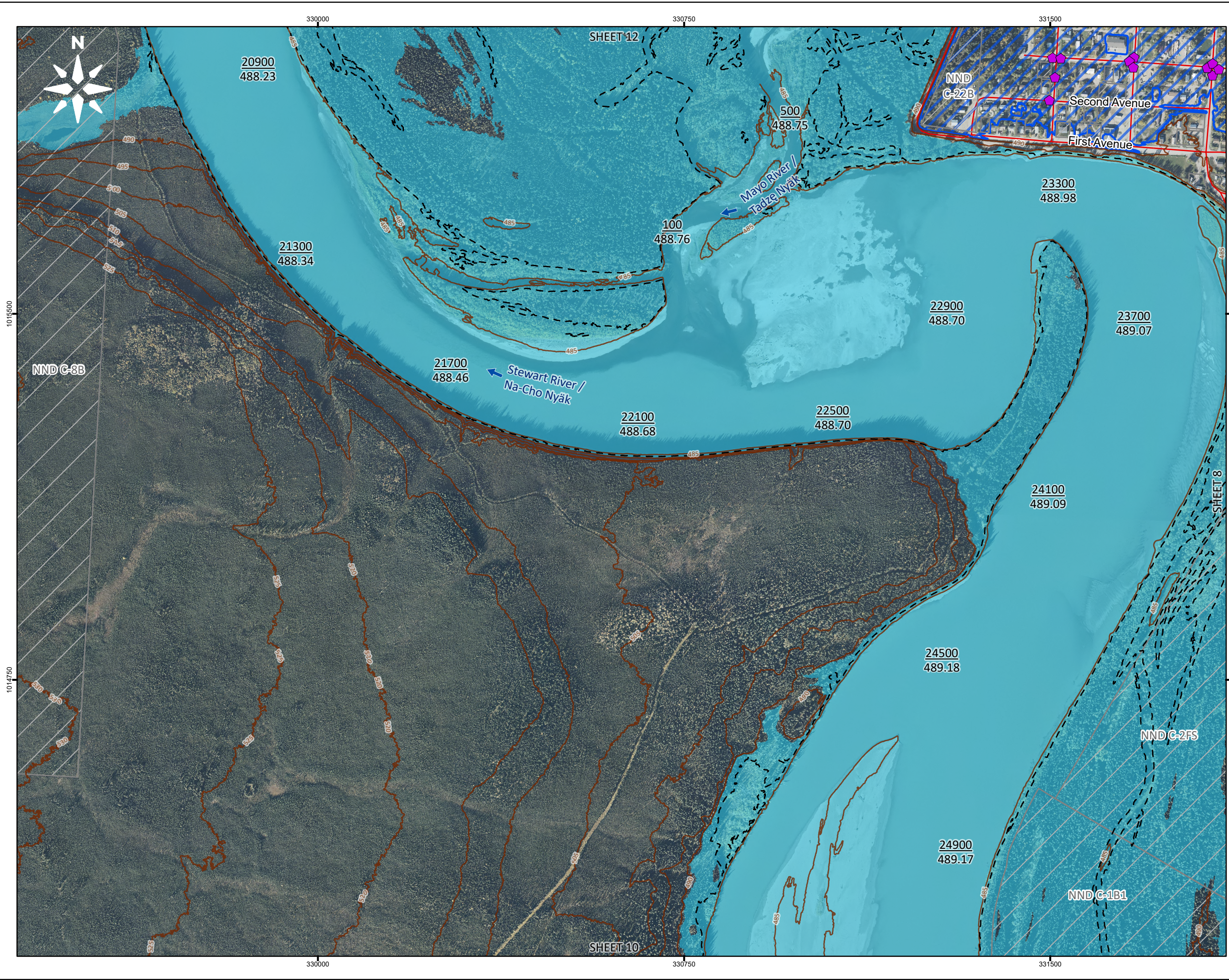


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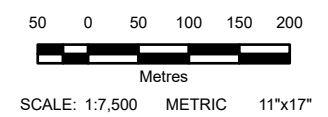
<b>KGS</b> GROUP	<b>Yukon</b> Canada
MAYO FLOOD MAPPING STUDY	
STEWART RIVER / NA-CHO NYÄK OPEN WATER 5% ANNUAL EXCEEDANCE PROBABILITY	
MAY 2026	SHEET 10 OF 20
	REV: B



- LEGEND:**
- 21713.4 River Stationing
  - 490.32 Water Surface Elevation (m)
  - ◆ Culvert
  - Local Road
  - 5 m Index Contour
  - - - Average Annual Peak (50% AEP)
  - 5% AEP Inundation - Open Water
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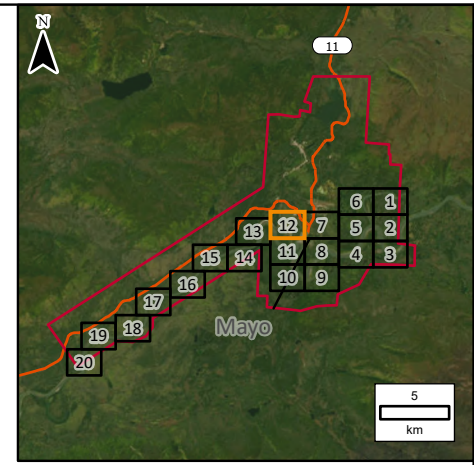
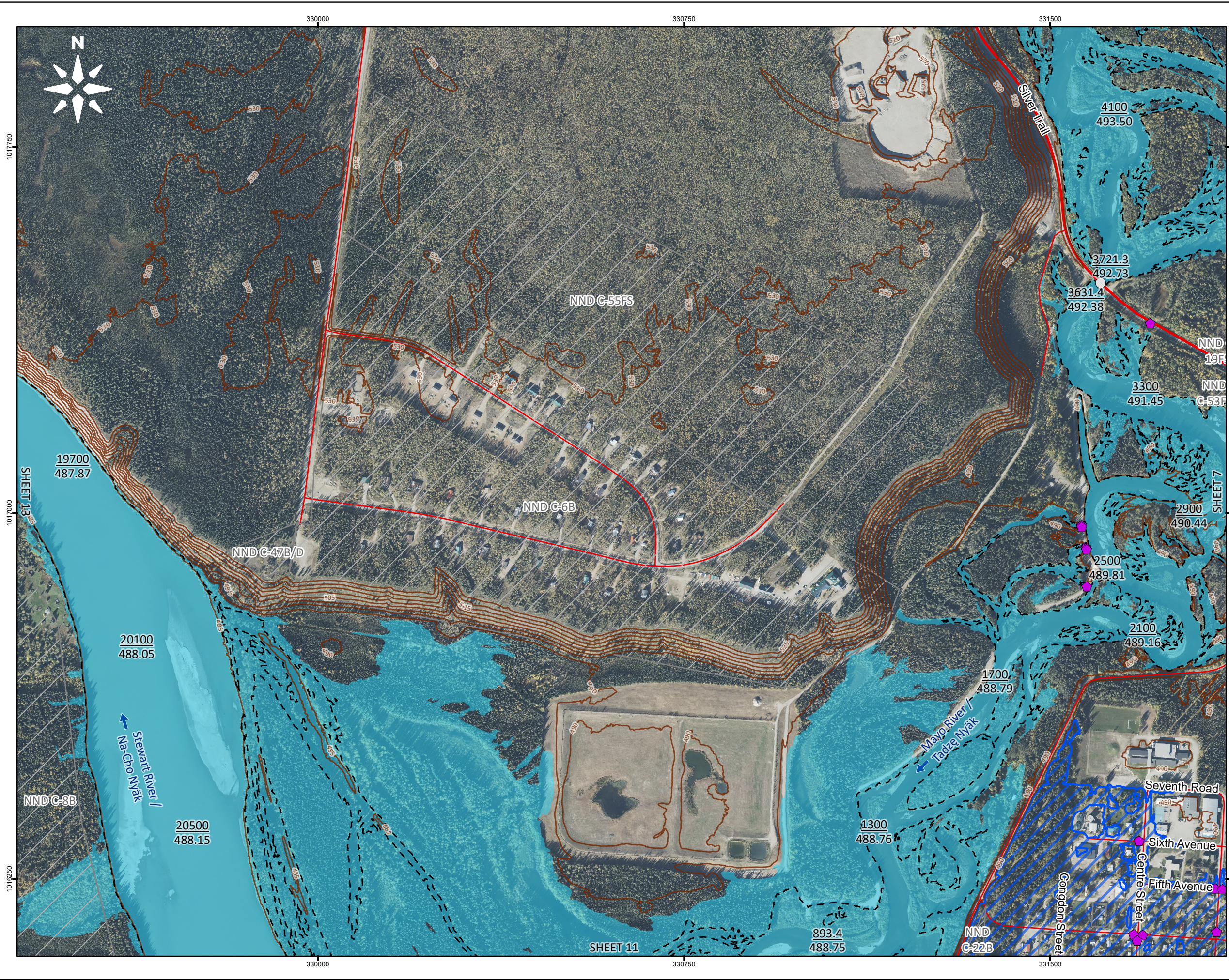
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**MAYO FLOOD MAPPING STUDY**

**STEWART RIVER / NA-CHO NYÄK  
OPEN WATER 5%  
ANNUAL EXCEEDANCE PROBABILITY**

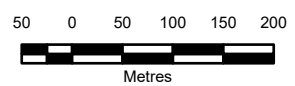
MAY 2026	SHEET 11 OF 20	REV: B
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- LEGEND:**
- 21713.4 / 490.32 River Stationing
  - 490.32 Water Surface Elevation (m)
  - Bridge
  - ◆ Culvert
  - Major Road
  - - Local Road
  - 5 m Index Contour
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  5. Imagery provided by the Yukon Government, captured in 2021 and 2022. Additional imagery provided by ESRI, captured in June 2021.
  6. Stewart River flood flows generate higher water levels than Mayo River flood flows within the Mayo town site and along the Mayo River below station 1992.

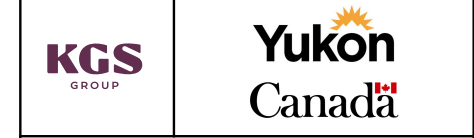
**DRAFT**



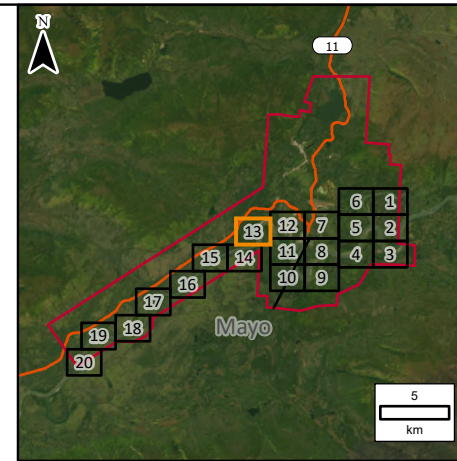
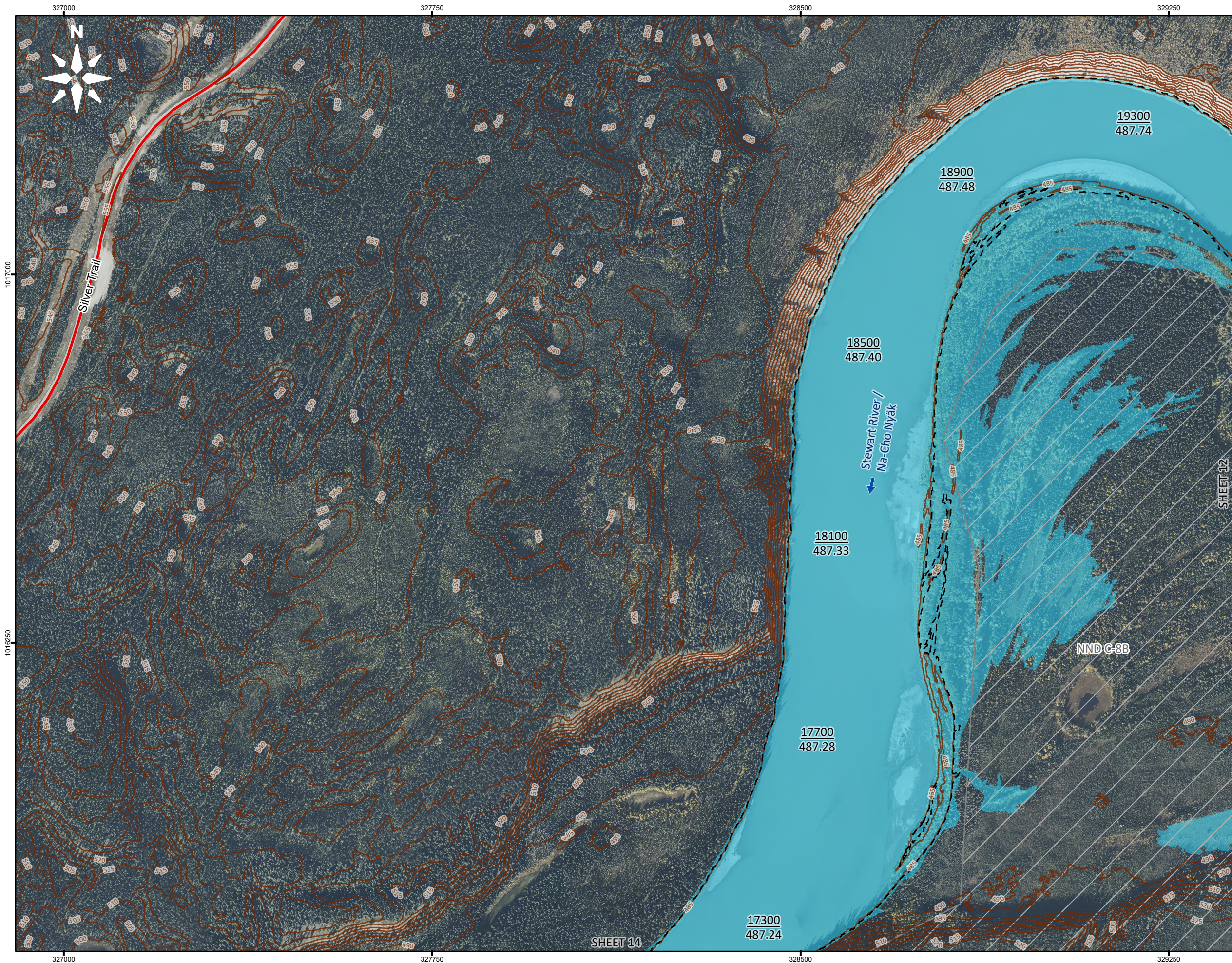
SCALE: 1:7,500 METRIC 11"x17"

All units are metric and in metres unless otherwise specified. Transverse Mercator Projection, NAD83 Yukon Albers CSRS. Elevations are in metres above sea level (MSL). Canadian Geodetic Vertical Datum 2013 (CGVD2013).

B	26/05/12	ISSUED FOR REVIEW	ALW	MAH
A	26/03/20	ISSUED FOR REVIEW	ALW	MAH
NO	YYMMDD	DESCRIPTION	ISSUED BY	CHECK BY
REVISIONS / ISSUE				



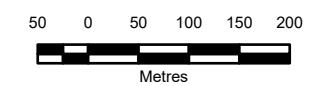
MAYO FLOOD MAPPING STUDY	
STEWART RIVER / NA-CHO NYÄK OPEN WATER 5% ANNUAL EXCEEDANCE PROBABILITY	
MAY 2026	SHEET 12 OF 20
	REV: B



- LEGEND:**
- 21713.4 River Stationing
  - 490.32 Water Surface Elevation (m)
  - Major Road
  - 5 m Index Contour
  - - - Average Annual Peak (50% AEP)
  - 5% AEP Inundation - Open Water
  - First Nation Settlement Lands - Surveyed

- NOTES:**
1. AEP corresponds to the Annual Exceedance Probability.
  2. This project is funded in part by the Government of Canada.
  3. Ground surface representation is provided at a 1 m spatial resolution and is derived from LiDAR, dated September 2021, June 2022, and June 2025. Features smaller than this resolution may not be well-represented.
  4. Culvert and Bridge data is a combination of data provided by the Yukon Government and crossings surveyed by KGS Group.
  5. Imagery provided by the Yukon Government, captured in 2021 and 2022. Additional imagery provided by ESRI, captured in June 2021.

**DRAFT**



SCALE: 1:7,500 METRIC 11"x17"

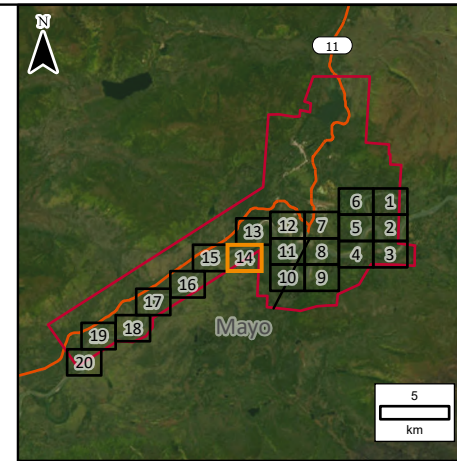
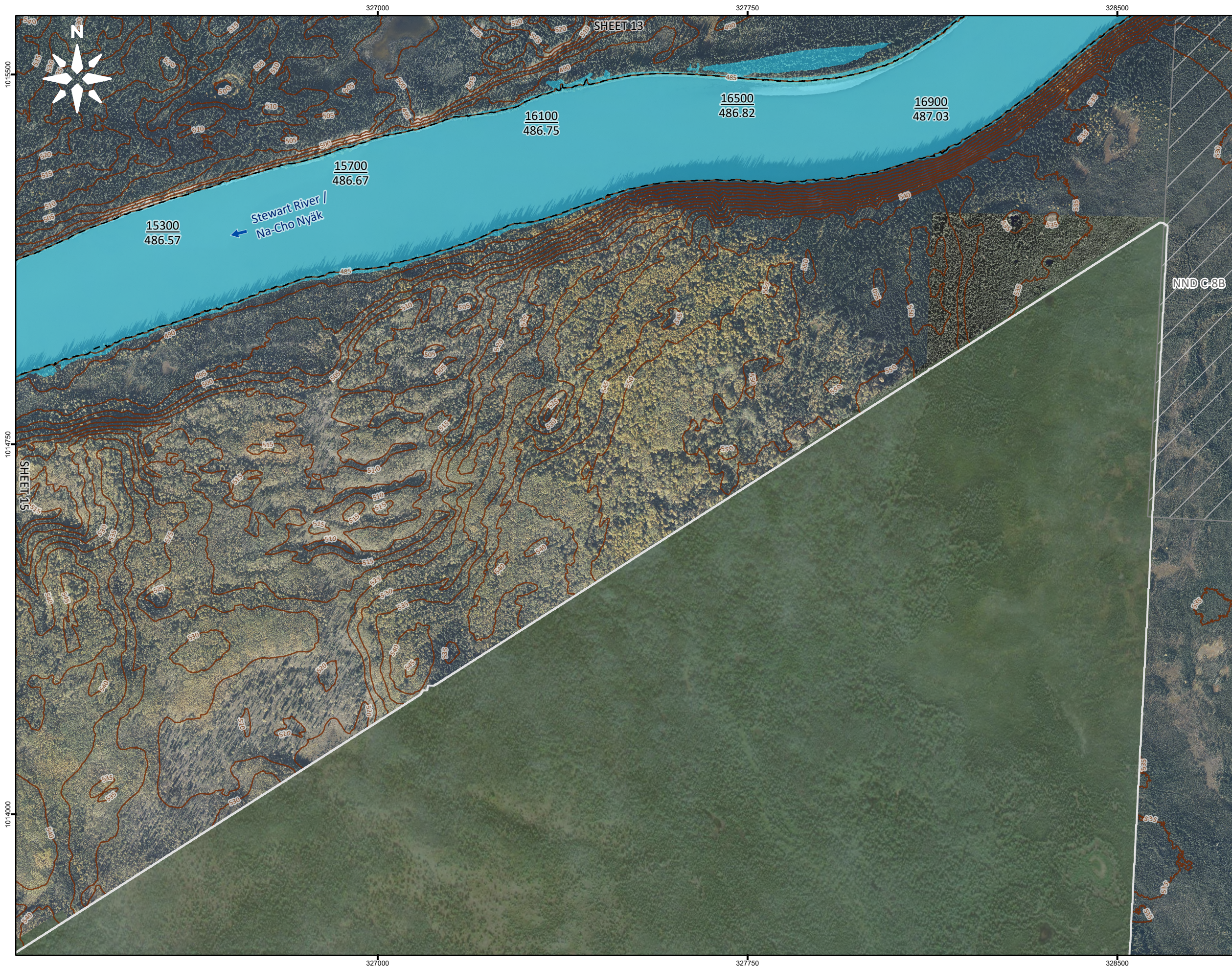
All units are metric and in metres unless otherwise specified.  
Transverse Mercator Projection, NAD83 Yukon Albers CSRS.  
Elevations are in metres above sea level (MSL).  
Canadian Geodetic Vertical Datum 2013 (CGVD2013).

B	26/05/12	ISSUED FOR REVIEW	ALW	MAH
A	26/03/20	ISSUED FOR REVIEW	ALW	MAH
NO.	YYMMDD	DESCRIPTION	ISSUED BY	CHECK BY
REVISIONS / ISSUE				

<b>KGS</b> GROUP	<b>Yukon</b> Canada
MAYO FLOOD MAPPING STUDY	
STEWART RIVER / NA-CHO NYÄK OPEN WATER 5% ANNUAL EXCEEDANCE PROBABILITY	
MAY 2026	SHEET 13 OF 20
	REV: B

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File Name: R:\Projects\2024\24-2708-001\Design\GIS\Inundation Mapping\Inundation Mapping.aprx:24-2708-001-Fig4.1  
11"x17" PLOT SCALE: 1:1



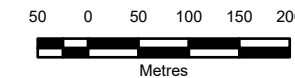
**LEGEND:**

- 21713.4 River Stationing
- 490.32 Water Surface Elevation (m)
- 5 m Index Contour
- Limit of LiDAR
- Average Annual Peak (50% AEP)
- 5% AEP Inundation - Open Water
- First Nation Settlement Lands - Surveyed

**NOTES:**

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2. This project is funded in part by the Government of Canada.
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SCALE: 1:7,500 METRIC 11"x17"

All units are metric and in metres unless otherwise specified.  
Transverse Mercator Projection, NAD83 Yukon Albers CSRS.  
Elevations are in metres above sea level (MSL).  
Canadian Geodetic Vertical Datum 2013 (CGVD2013).

B	26/05/12	ISSUED FOR REVIEW	ALW	MAH
A	26/03/20	ISSUED FOR REVIEW	ALW	MAH
NO.	YYMMDD	DESCRIPTION	ISSUED BY	CHECK BY
REVISIONS / ISSUE				

**MAYO FLOOD MAPPING STUDY**

**STEWART RIVER / NA-CHO NYÄK**

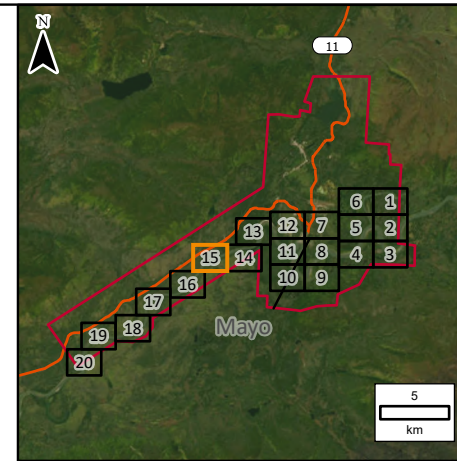
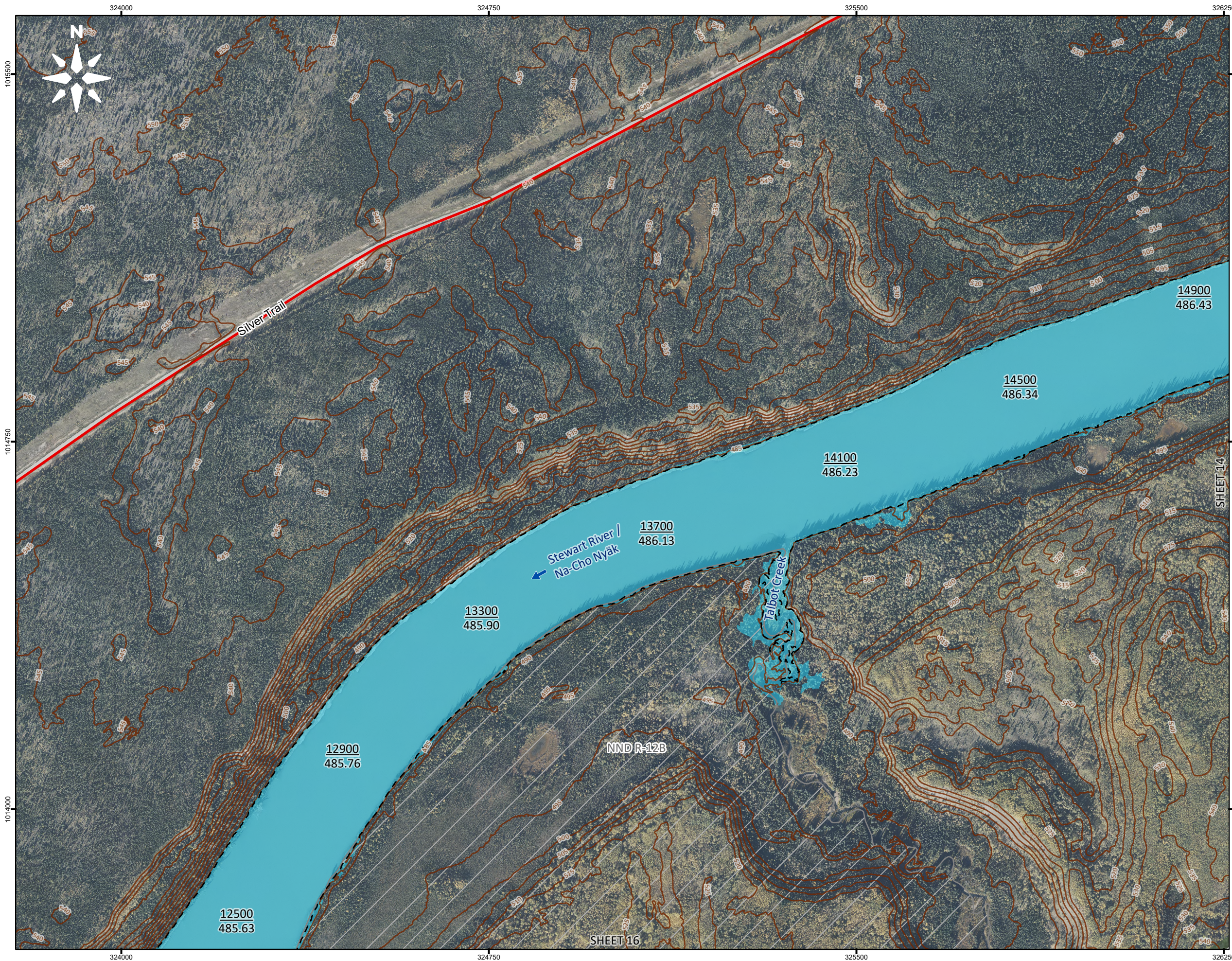
**OPEN WATER 5%**

**ANNUAL EXCEEDANCE PROBABILITY**

MAY 2026	SHEET 14 OF 20	REV: B
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Portions of data Produced by KGS Group, under Licence with the Government of Yukon. Contains information licensed under the Open Government Licence - Yukon.

File Name: R:\Projects\2024\24-2708-001\Design\GIS\Data\AcFrol\Inundation Mapping\Inundation Mapping.aprx.24-2708-001-Fig.4.1 11"x17" PLOT SCALE 1:1



**LEGEND:**

- 21713.4 River Stationing
- 490.32 Water Surface Elevation (m)
- Major Road
- 5 m Index Contour
- Limit of LiDAR
- - Average Annual Peak (50% AEP)
- 5% AEP Inundation - Open Water
- First Nation Settlement Lands - Surveyed

**NOTES:**

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2. This project is funded in part by the Government of Canada.
3. Ground surface representation is provided at a 1 m spatial resolution and is derived from LiDAR, dated September 2021, June 2022, and June 2025. Features smaller than this resolution may not be well-represented.
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5. Imagery provided by the Yukon Government, captured in 2021 and 2022. Additional imagery provided by ESRI, captured in June 2021.

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50 0 50 100 150 200



SCALE: 1:7,500 METRIC 11"x17"

All units are metric and in metres unless otherwise specified. Transverse Mercator Projection, NAD83 Yukon Albers CSRS. Elevations are in metres above sea level (MSL). Canadian Geodetic Vertical Datum 2013 (CGVD2013).

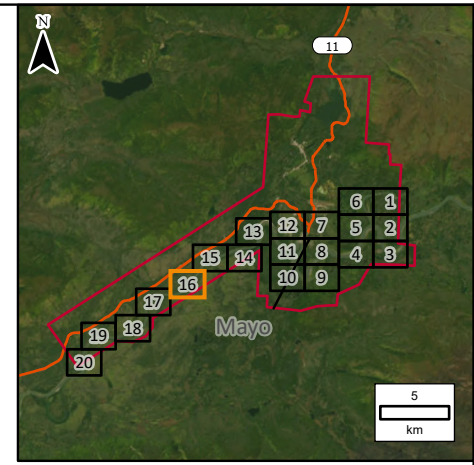
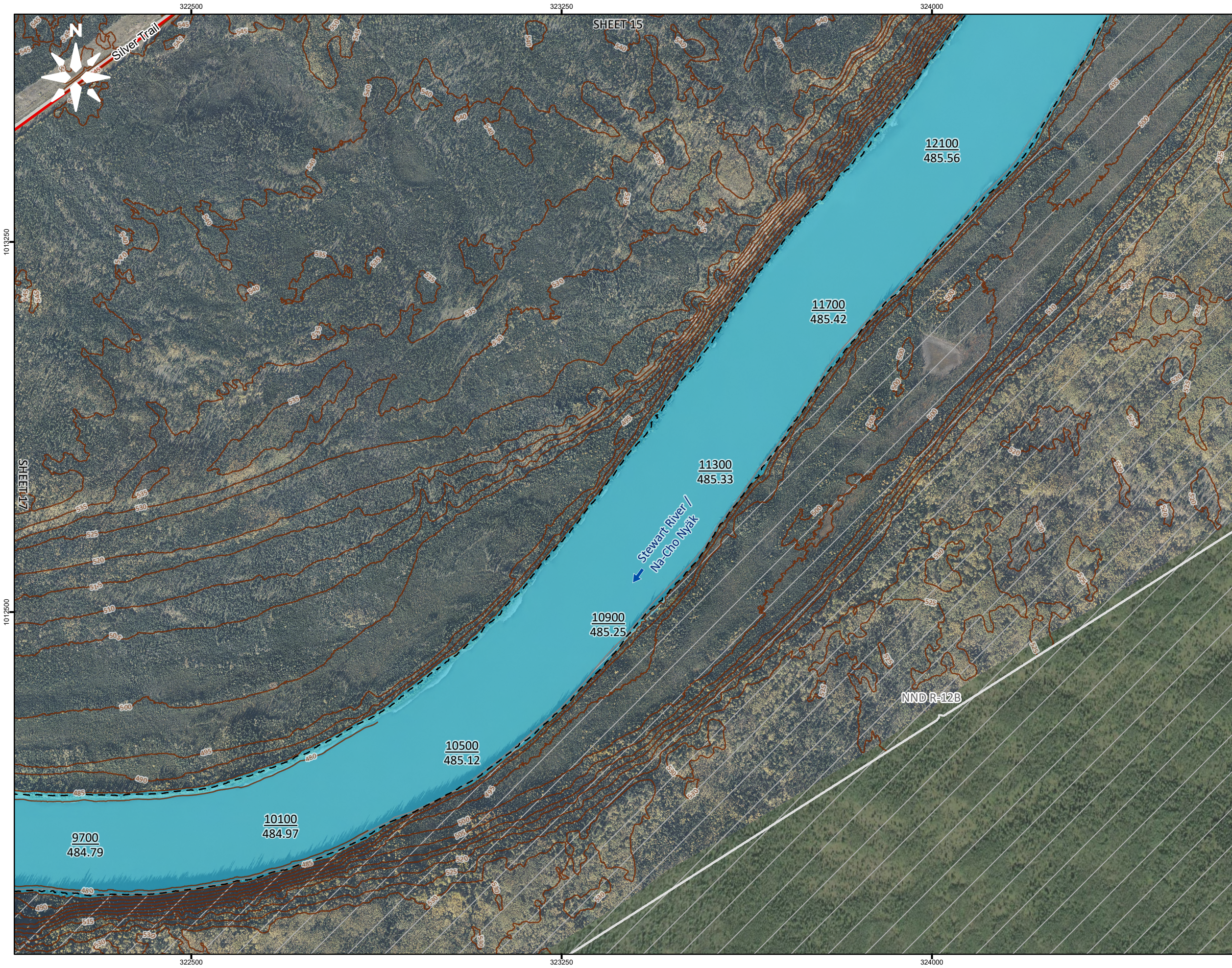
NO.	YYMMDD	DESCRIPTION	ISSUED BY	CHECK BY
B	26/05/12	ISSUED FOR REVIEW	ALW	MAH
A	26/03/20	ISSUED FOR REVIEW	ALW	MAH

REVISIONS / ISSUE

**MAYO FLOOD MAPPING STUDY**

**STEWART RIVER / NA-CHO NYAK  
OPEN WATER 5%  
ANNUAL EXCEEDANCE PROBABILITY**

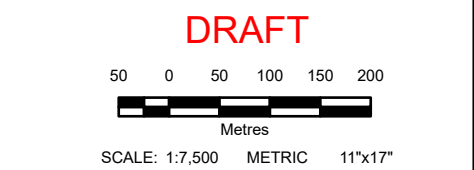
MAY 2026	SHEET 15 OF 20	REV: B
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**LEGEND:**

<u>21713.4</u> 490.32	River Stationing Water Surface Elevation (m)
	Major Road
	5 m Index Contour
	Limit of LiDAR
	Average Annual Peak (50% AEP)
	5% AEP Inundation - Open Water
	First Nation Settlement Lands - Surveyed

- NOTES:**
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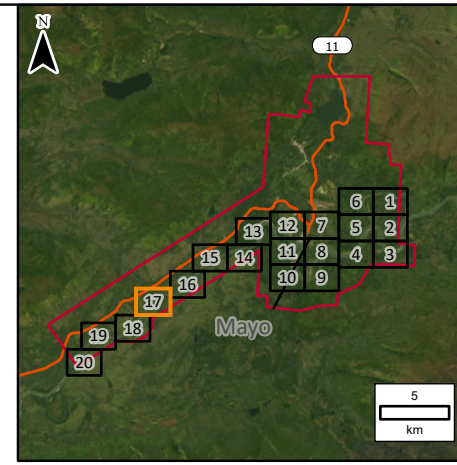
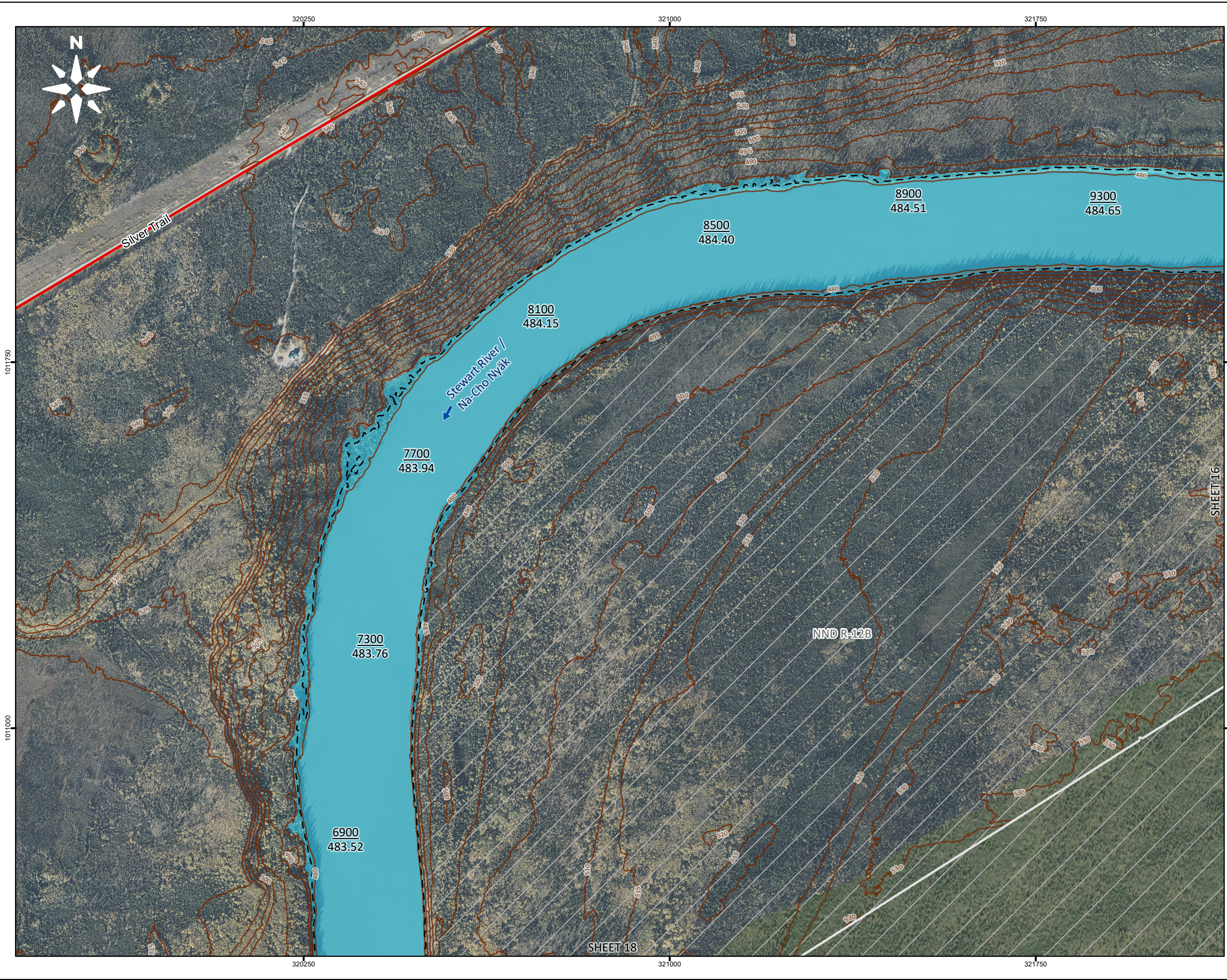


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Transverse Mercator Projection, NAD83 Yukon Albers CSRS.  
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Canadian Geodetic Vertical Datum 2013 (CGVD2013).

B	26/05/12	ISSUED FOR REVIEW	ALW	MAH
A	26/03/20	ISSUED FOR REVIEW	ALW	MAH
NO.	YYMMDD	DESCRIPTION	ISSUED BY	CHECK BY

REVISIONS / ISSUE

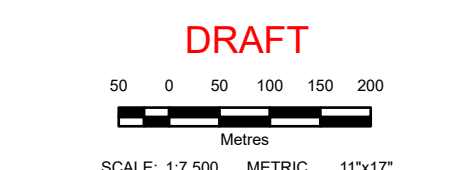
<b>MAYO FLOOD MAPPING STUDY</b>	
<b>STEWART RIVER / NA-CHO NYÄK OPEN WATER 5% ANNUAL EXCEEDANCE PROBABILITY</b>	
MAY 2026	SHEET 16 OF 20
	REV: B



**LEGEND:**

21713.4	River Stationing
490.32	Water Surface Elevation (m)
	Major Road
	5 m Index Contour
	Limit of LiDAR
	Average Annual Peak (50% AEP)
	5% AEP Inundation - Open Water
	First Nation Settlement Lands - Surveyed

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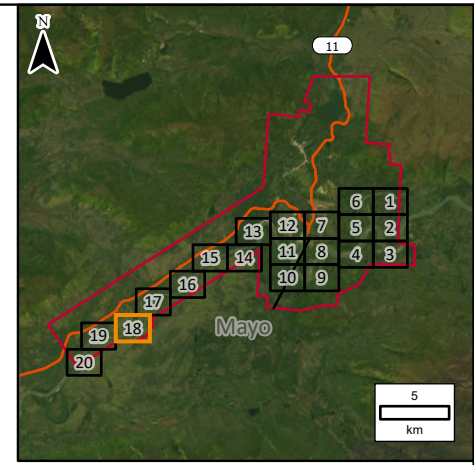
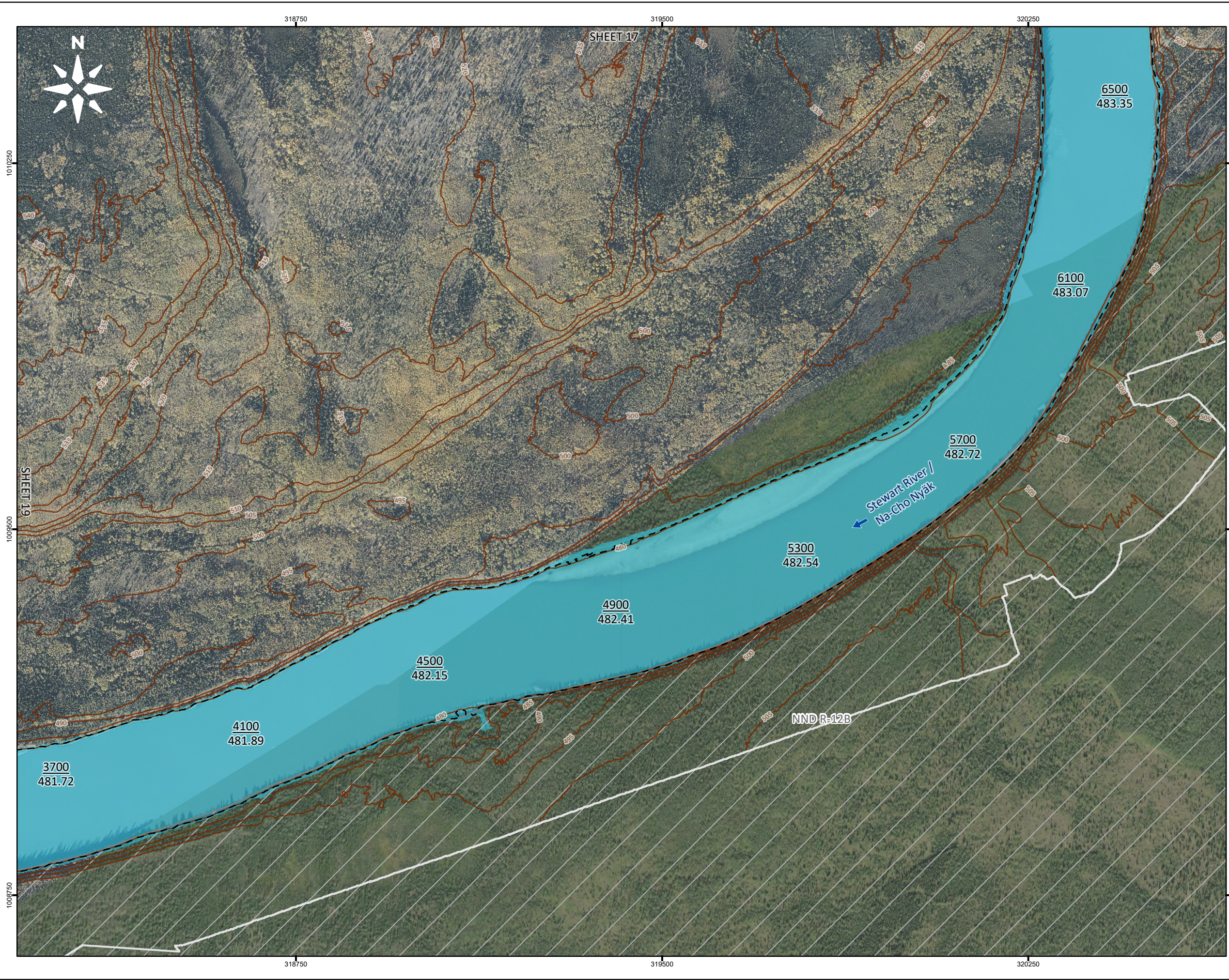


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Canadian Geodetic Vertical Datum 2013 (CGVD2013).

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A	26/03/20	ISSUED FOR REVIEW	ALW	MAH
NO.	YYMMDD	DESCRIPTION	ISSUED BY	CHECK BY

REVISIONS / ISSUE

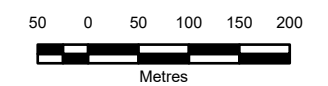
MAYO FLOOD MAPPING STUDY	
STEWART RIVER / NA-CHO NYÄK OPEN WATER 5% ANNUAL EXCEEDANCE PROBABILITY	
MAY 2026	SHEET 17 OF 20
	REV: B



- LEGEND:**
- 21713.4 River Stationing
  - 490.32 Water Surface Elevation (m)
  - 5 m Index Contour
  - Limit of LiDAR
  - Average Annual Peak (50% AEP)
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SCALE: 1:7,500 METRIC 11"x17"

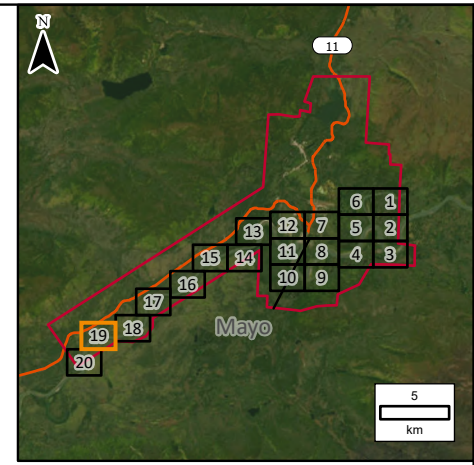
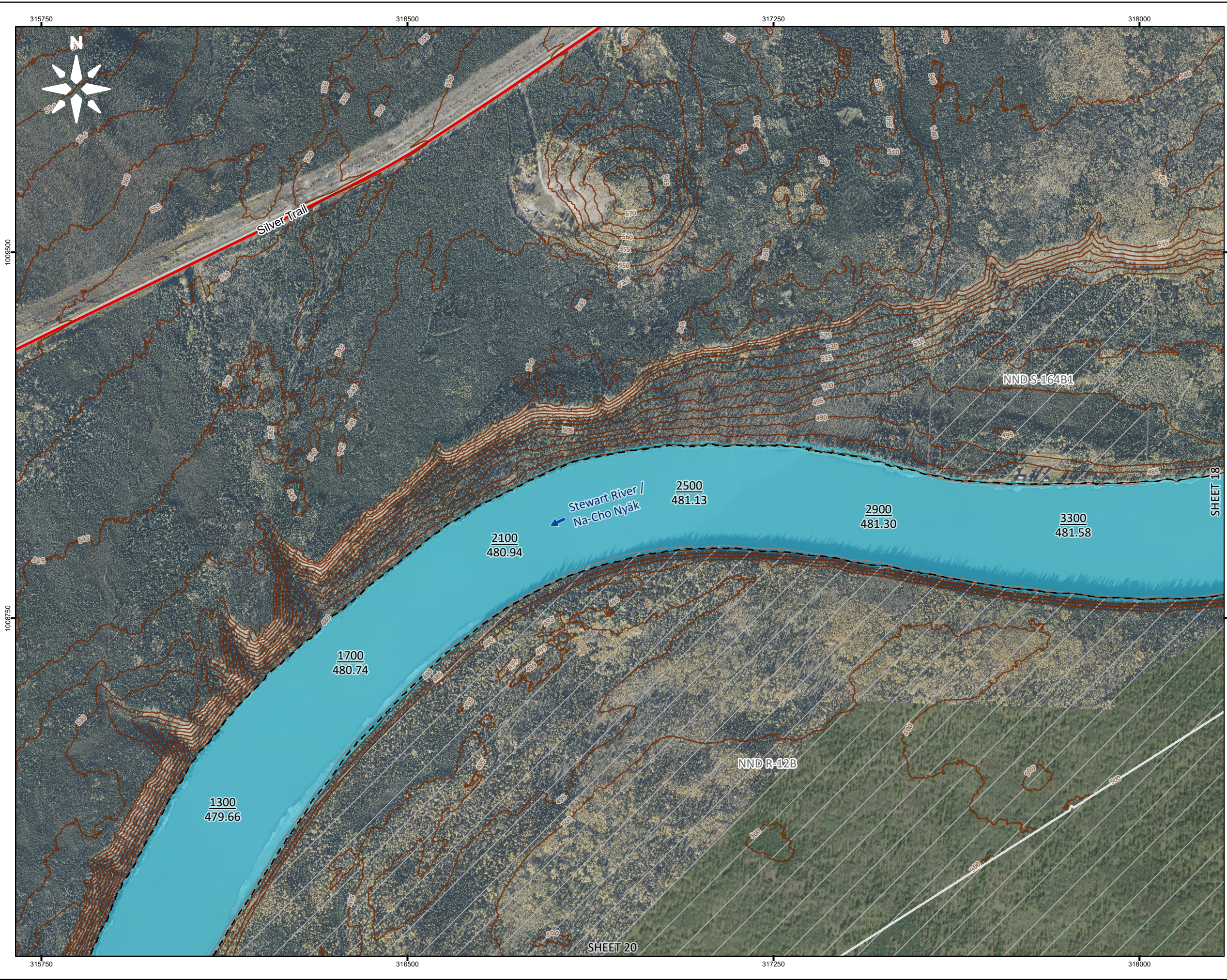
All units are metric and in metres unless otherwise specified. Transverse Mercator Projection, NAD83 Yukon Albers CSRS. Elevations are in metres above sea level (MSL). Canadian Geodetic Vertical Datum 2013 (CGVD2013).

B	26/05/12	ISSUED FOR REVIEW	ALW	MAH
A	26/03/20	ISSUED FOR REVIEW	ALW	MAH
NO.	YYMMDD	DESCRIPTION	ISSUED BY	CHECK BY
REVISIONS / ISSUE				

<b>KGS</b> GROUP	<b>Yukon</b> Canada
MAYO FLOOD MAPPING STUDY	
STEWART RIVER / NA-CHO NYAK OPEN WATER 5% ANNUAL EXCEEDANCE PROBABILITY	
MAY 2026	SHEET 18 OF 20
	REV: B

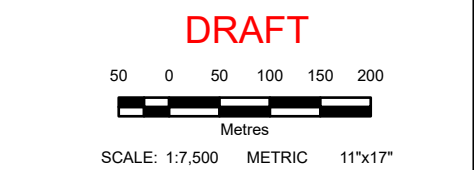
Portions of data Produced by KGS Group, under Licence with the Government of Yukon.  
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File Name: R:\Projects\2024\24-2708-001\Design\GIS\Data\AcPro\Inundation Mapping\Inundation Mapping.aprx.24-2708-001-Fig.4.1  
11"x17" PLOT SCALE 1:1



- LEGEND:**
- 21713.4  
490.32 River Stationing  
Water Surface Elevation (m)
  - Major Road
  - 5 m Index Contour
  - Limit of LiDAR
  - Average Annual Peak (50% AEP)
  - 5% AEP Inundation - Open Water
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NO	YYMMDD	DESCRIPTION	ISSUED BY	CHECK BY

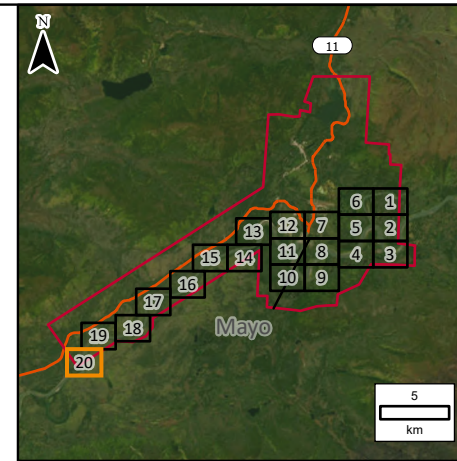
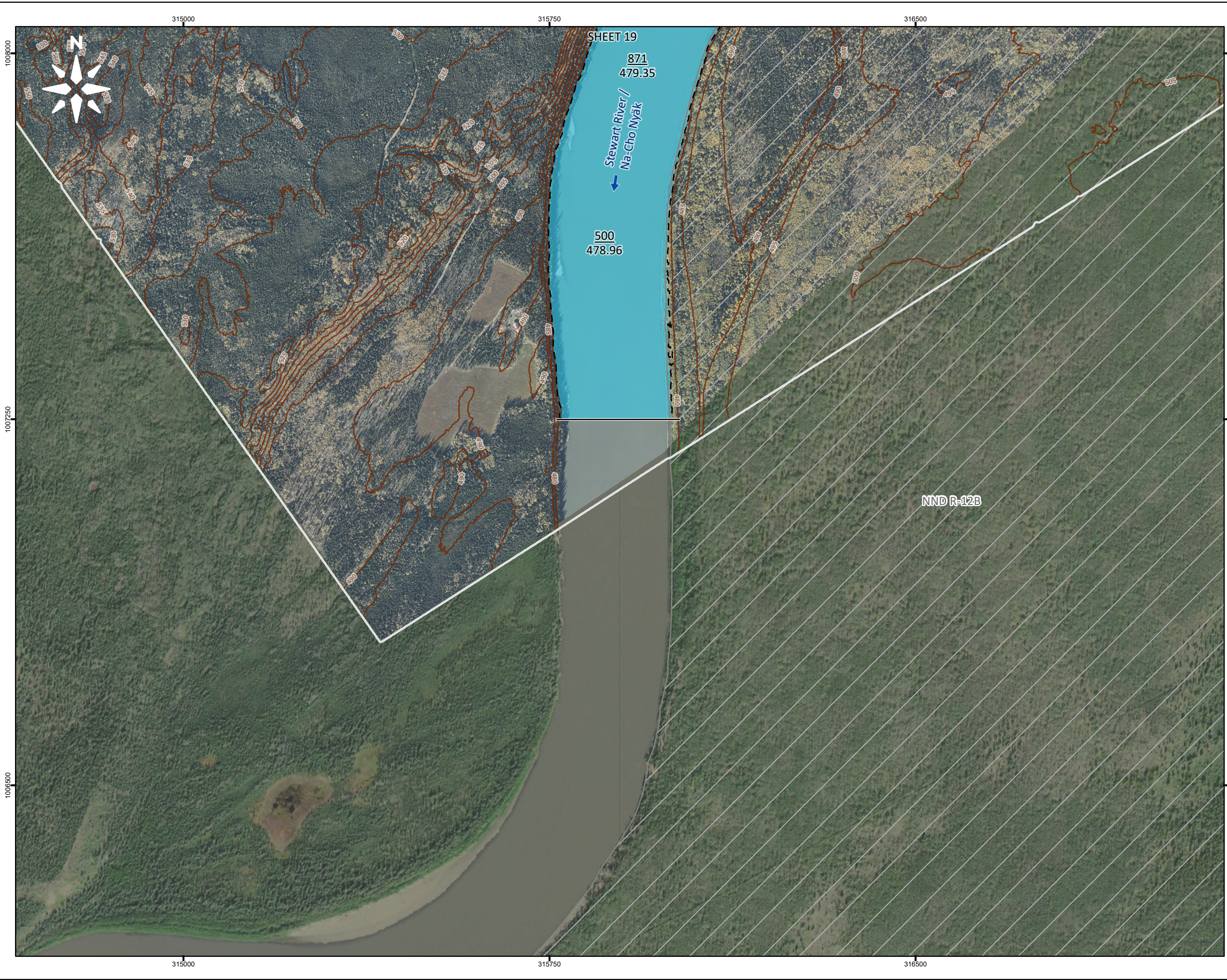
REVISIONS / ISSUE

**MAYO FLOOD MAPPING STUDY**

**STEWART RIVER / NA-CHO NYÄK  
OPEN WATER 5%  
ANNUAL EXCEEDANCE PROBABILITY**

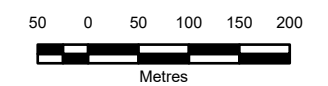
MAY 2026	SHEET 19 OF 20
	REV: B



- LEGEND:**
- 21713.4 River Stationing
  - 490.32 Water Surface Elevation (m)
  - 5 m Index Contour
  - Limit of LiDAR
  - Limit of Mapping
  - - Average Annual Peak (50% AEP)
  - 5% AEP Inundation - Open Water
  - First Nation Settlement Lands - Surveyed

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B	26/05/12	ISSUED FOR REVIEW	ALW	MAH
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REVISIONS / ISSUE

**MAYO FLOOD MAPPING STUDY**

**STEWART RIVER / NA-CHO NYÄK  
OPEN WATER 5%  
ANNUAL EXCEEDANCE PROBABILITY**

MAY 2026	SHEET 20 OF 20	REV: B
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