

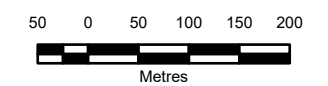
LEGEND:

- 5 m Index Contour
- Limit of LiDAR
- Average Annual Peak (50% AEP)
- 1% AEP Inundation - Open Water

NOTES:

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

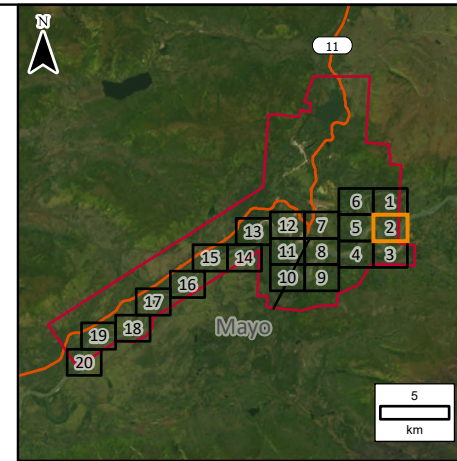
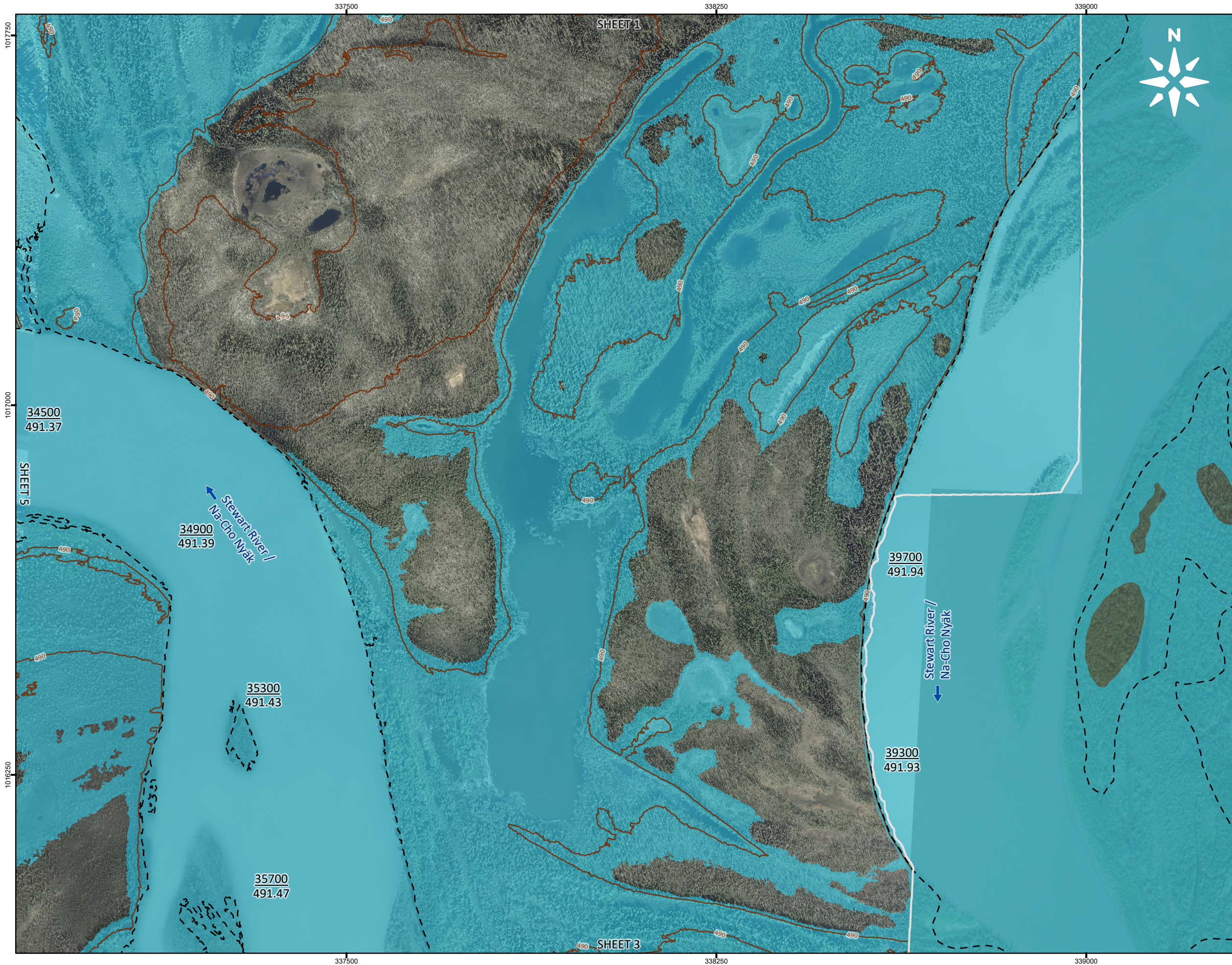
All units are metric and in metres unless otherwise specified.
Transverse Mercator Projection, NAD83 Yukon Albers CSRS.
Elevations are in metres above sea level (MSL).
Canadian Geodetic Vertical Datum 2013 (CGVD2013).

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 NYAK OPEN WATER 1% ANNUAL EXCEEDANCE PROBABILITY	
MAY 2026	SHEET 1 OF 20
	REV: B

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File Name: R:\Projects\2024\24-2708-001\Design\GIS\Data\AcFrol\Inundation Mapping.aprx.24-2708-001-Fig4.2
11"x17" PLOT SCALE 1:1



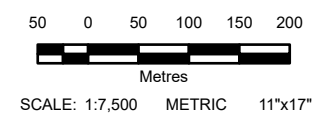
LEGEND:

- 21713.4 River Stationing
- 490.32 Water Surface Elevation (m)
- 5 m Index Contour
- Limit of LiDAR
- - - Average Annual Peak (50% AEP)
- 1% AEP Inundation - Open Water

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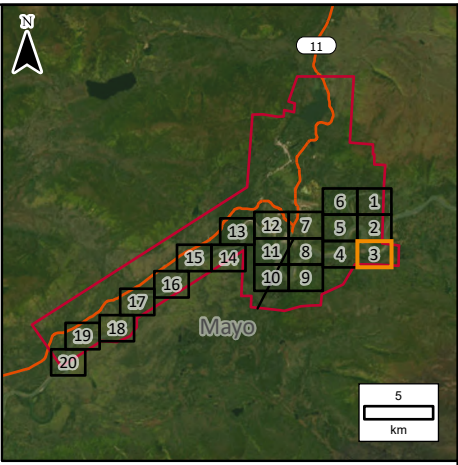
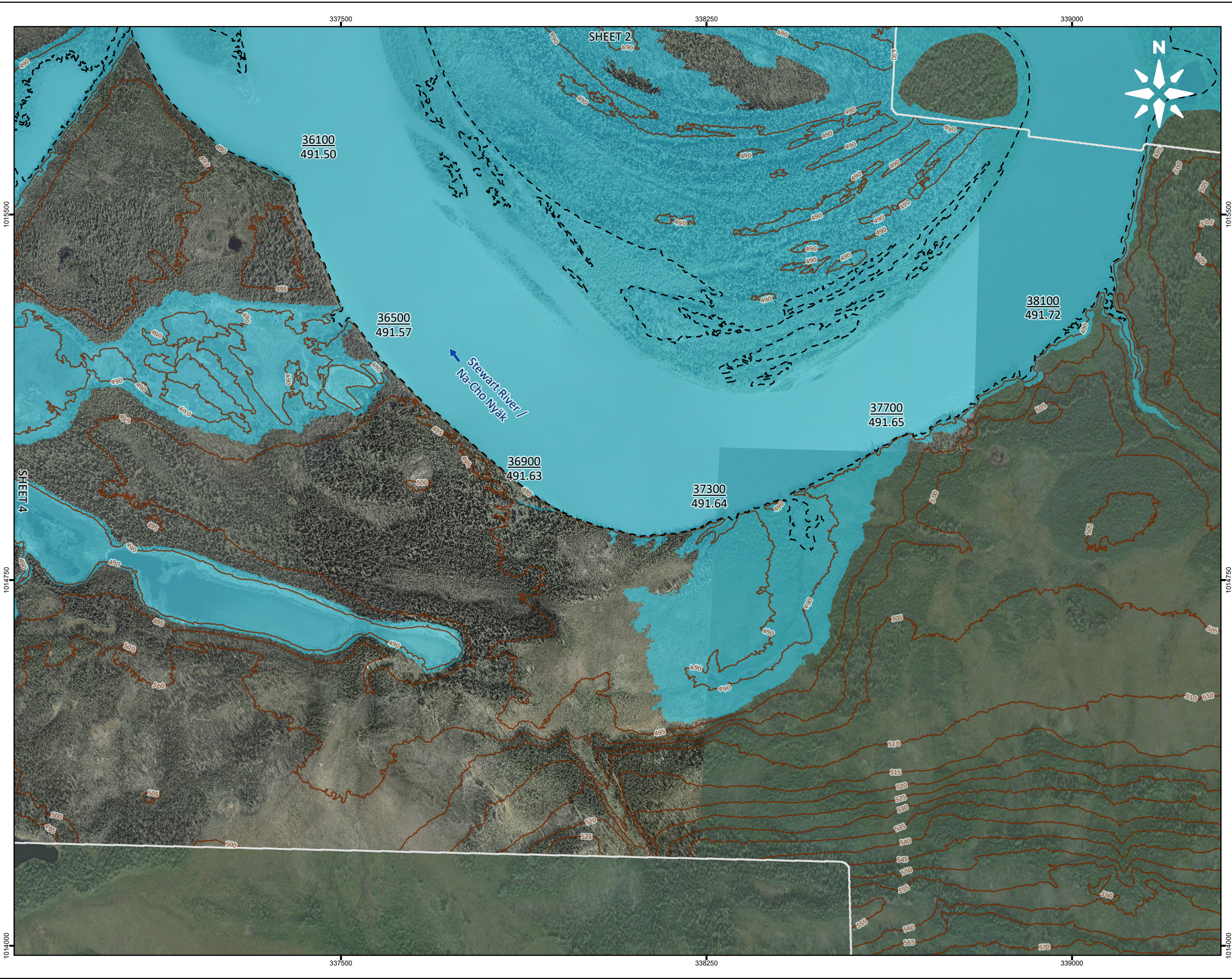
DRAFT



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KGS GROUP	Yukon Canada
MAYO FLOOD MAPPING STUDY	
STEWART RIVER / NA-CHO NYÄK OPEN WATER 1% ANNUAL EXCEEDANCE PROBABILITY	
MAY 2026	SHEET 2 OF 20
	REV: B

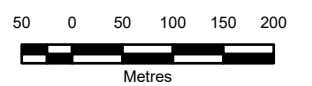


LEGEND:

<u>21713.4</u> 490.32	River Stationing Water Surface Elevation (m)
—	5 m Index Contour
—	Limit of LiDAR
- -	Average Annual Peak (50% AEP)
■	1% AEP Inundation - Open Water

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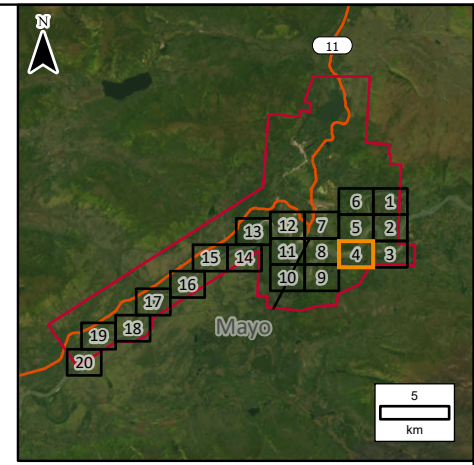
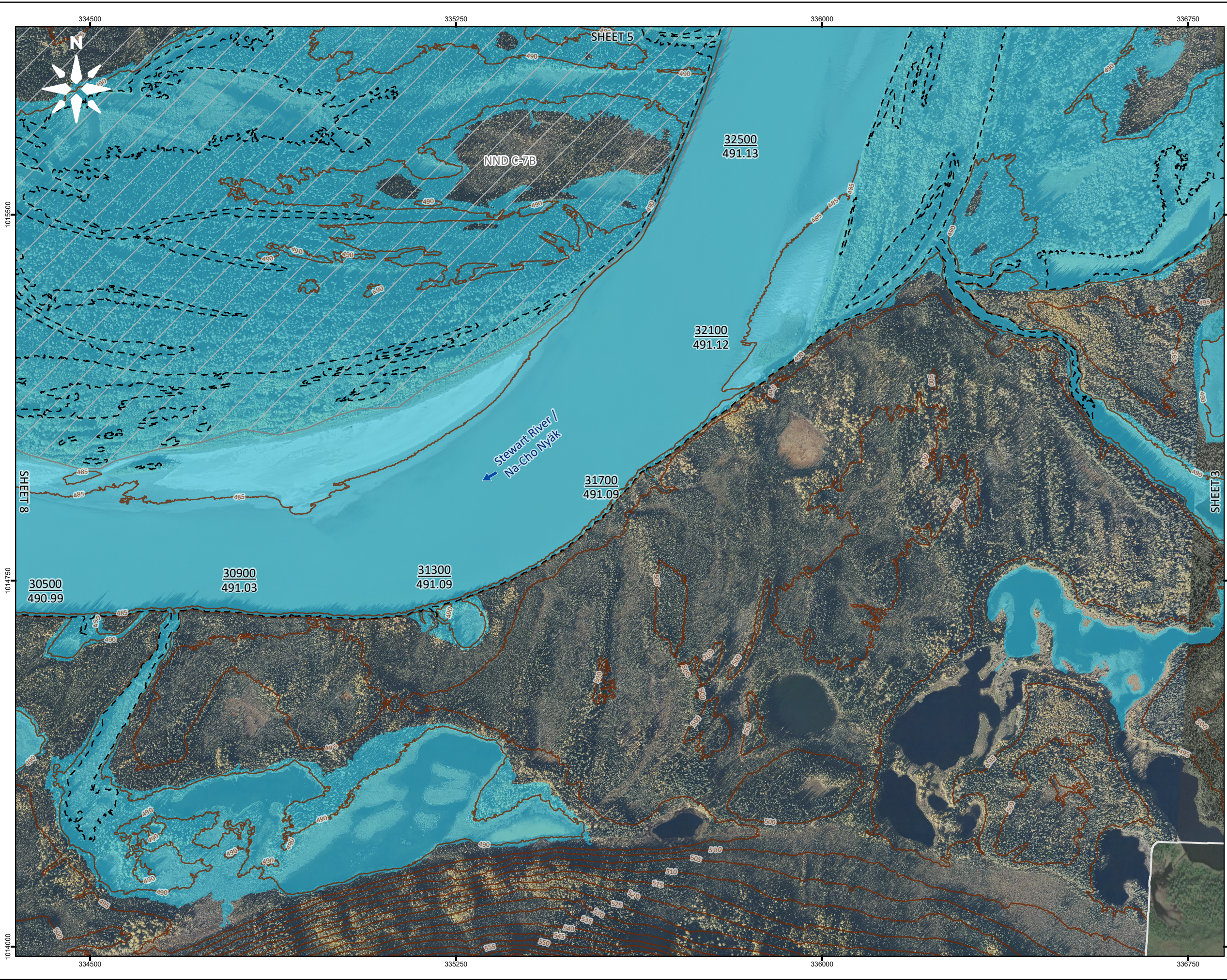
MAYO FLOOD MAPPING STUDY

STEWART RIVER / NA-CHO NYÄK
OPEN WATER 1%
ANNUAL EXCEEDANCE PROBABILITY

MAY 2026	SHEET 3 OF 20	REV: B
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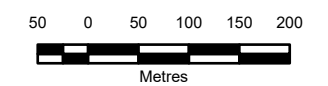
File Name: R:\Projects\2024\24-2708-001\Design\GIS\Data\AcPro\Inundation Mapping\aprx.24-2708-001-Fig4.2 11"x17" PLOT SCALE 1:1



- LEGEND:**
- 21713.4 River Stationing
 - 490.32 Water Surface Elevation (m)
 - 5 m Index Contour
 - Limit of LiDAR
 - - - Average Annual Peak (50% AEP)
 - 1% AEP Inundation - Open Water
 - First Nation Settlement Lands - Surveyed

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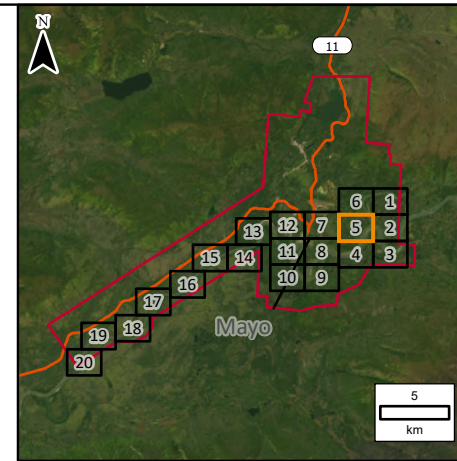
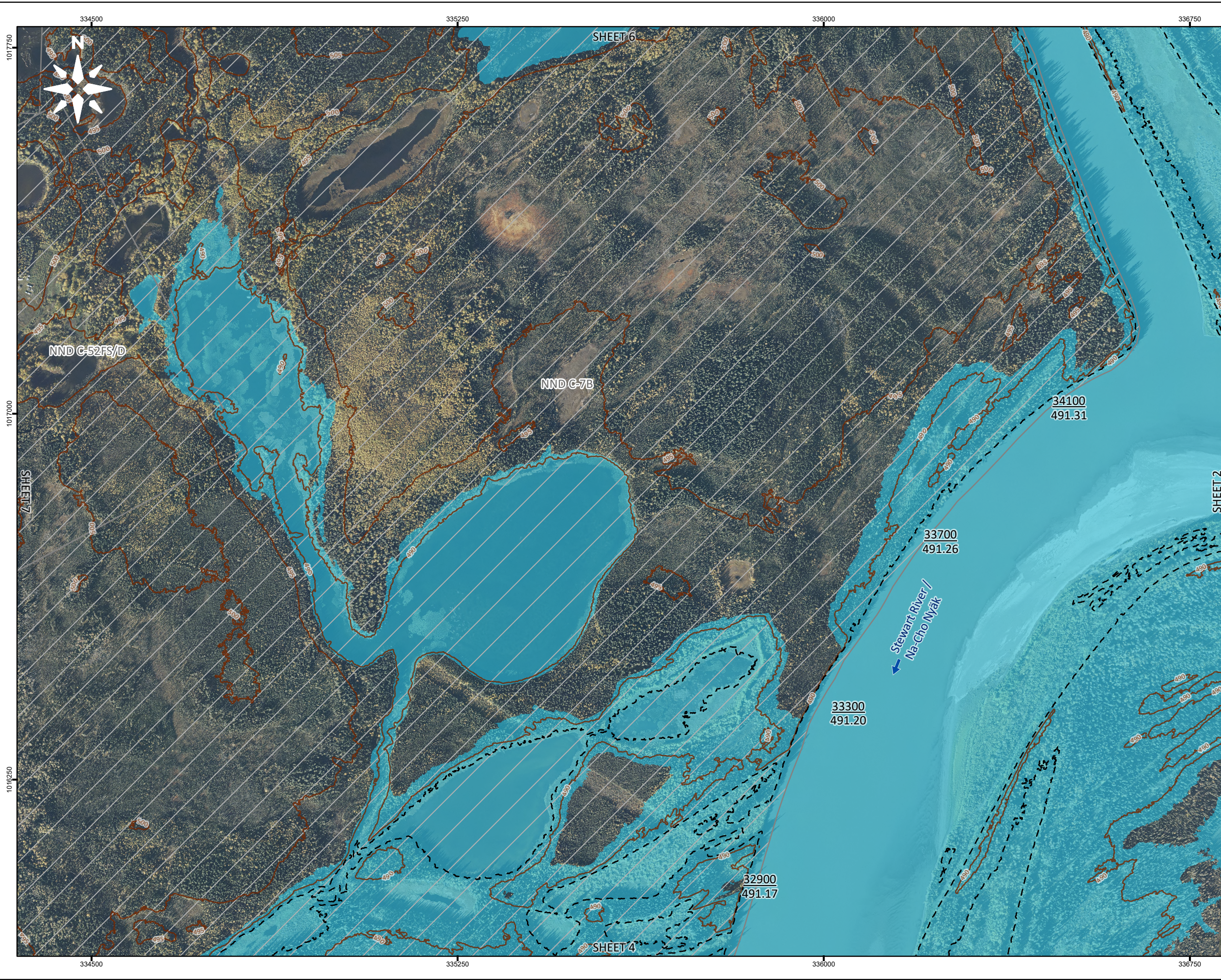
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NO.	YYMMDD	DESCRIPTION	ISSUED BY	CHECK BY

REVISIONS / ISSUE

MAYO FLOOD MAPPING STUDY

STEWART RIVER / NA-CHO NYÄK
OPEN WATER 1%
ANNUAL EXCEEDANCE PROBABILITY

MAY 2026	SHEET 4 OF 20	REV: B
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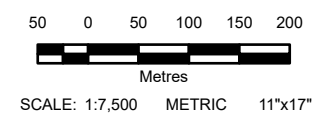


LEGEND:

<u>21713.4</u> 490.32	River Stationing Water Surface Elevation (m)
—	5 m Index Contour
- - -	Average Annual Peak (50% AEP)
■	1% AEP Inundation - Open Water
▨	First Nation Settlement Lands - Surveyed

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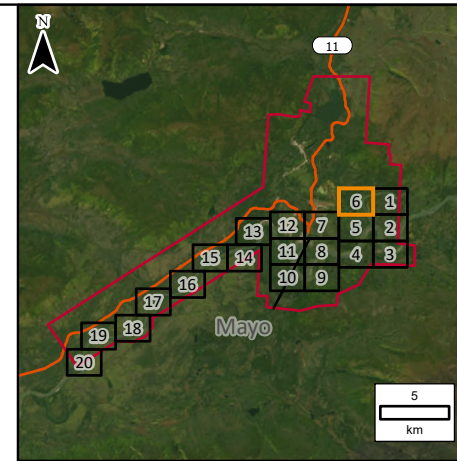
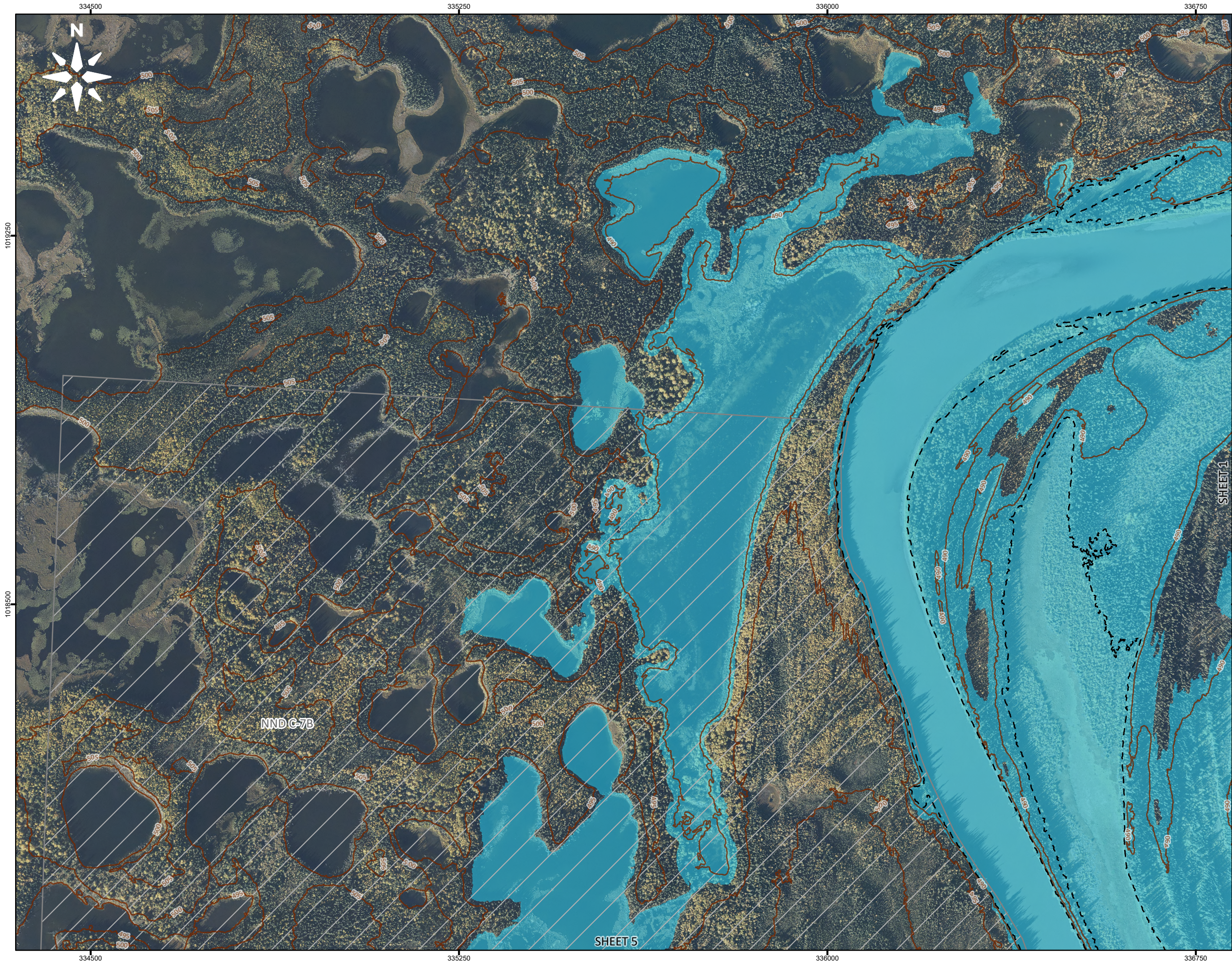
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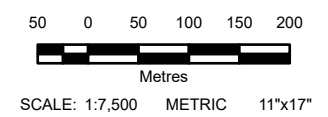
KGS GROUP	Yukon Canada
MAYO FLOOD MAPPING STUDY	
STEWART RIVER / NA-CHO NYAK OPEN WATER 1% ANNUAL EXCEEDANCE PROBABILITY	
MAY 2026	SHEET 5 OF 20
	REV: B



- LEGEND:**
- 5 m Index Contour
 - Average Annual Peak (50% AEP)
 - 1% AEP Inundation - Open Water
 - First Nation Settlement Lands - Surveyed

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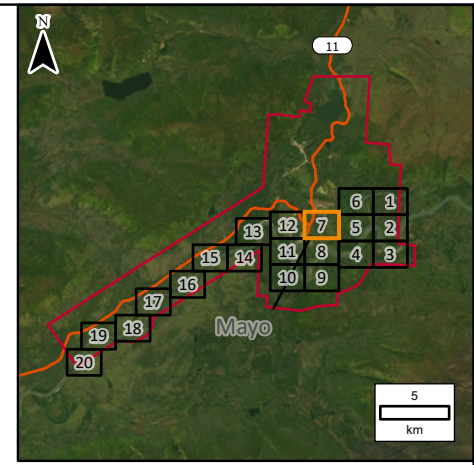
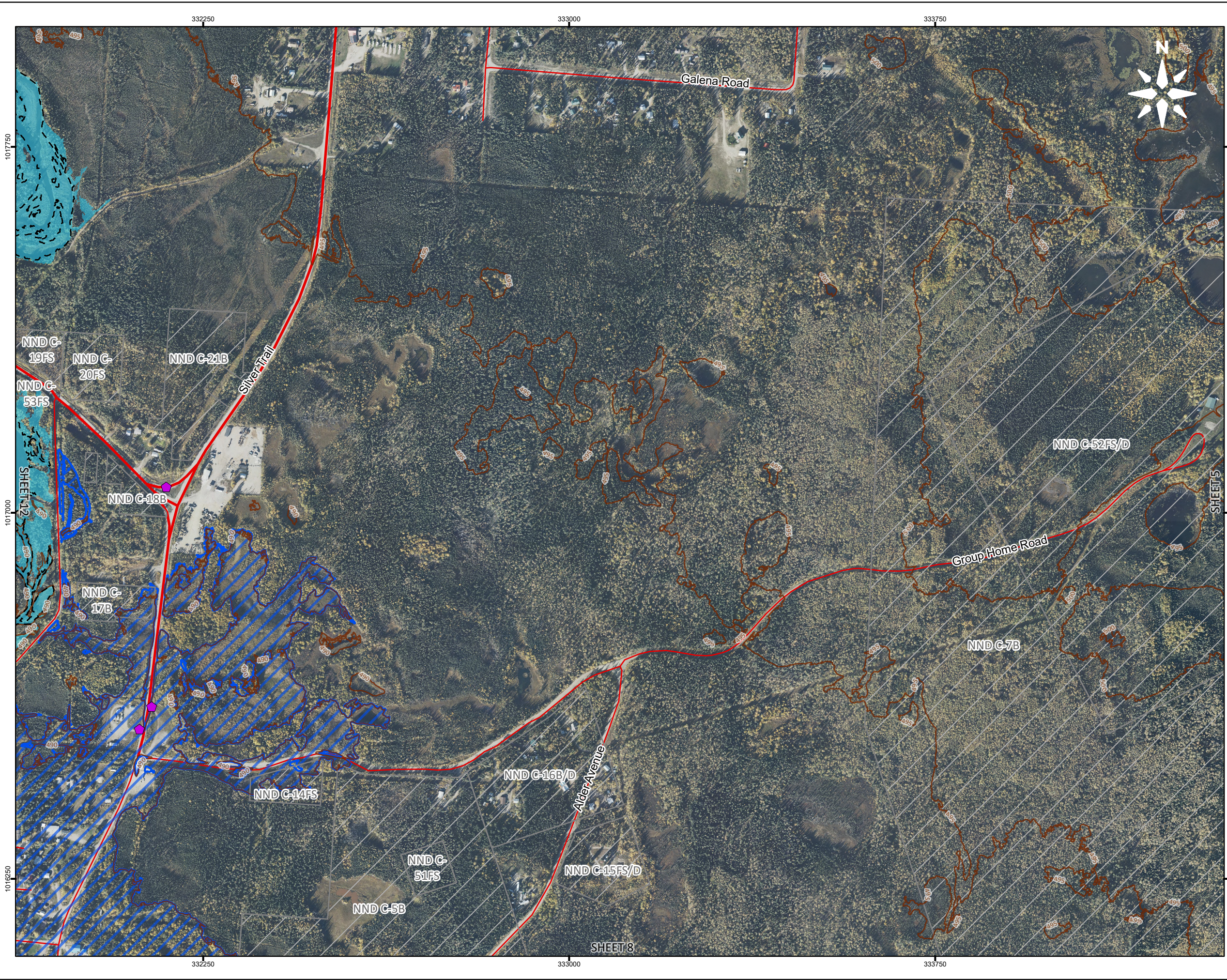
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REVISIONS / ISSUE

MAYO FLOOD MAPPING STUDY

**STEWART RIVER / NA-CHO NYAK
OPEN WATER 1%
ANNUAL EXCEEDANCE PROBABILITY**

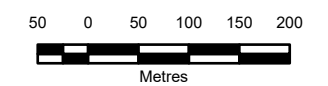
MAY 2026	SHEET 6 OF 20	REV: B
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- LEGEND:**
- Culvert
 - Major Road
 - Local Road
 - 5 m Index Contour
 - Average Annual Peak (50% AEP)
 - 1% AEP Inundation - Open Water
 - Area Protected by Dike
 - First Nation Settlement Lands - Surveyed

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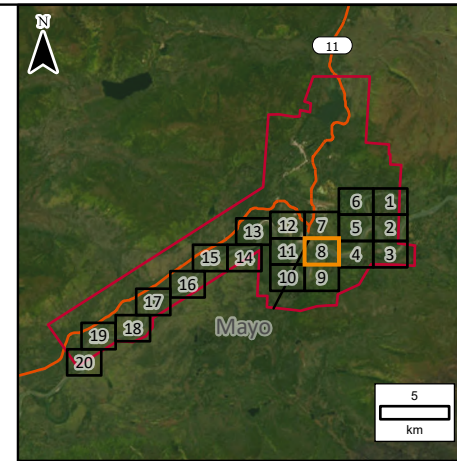
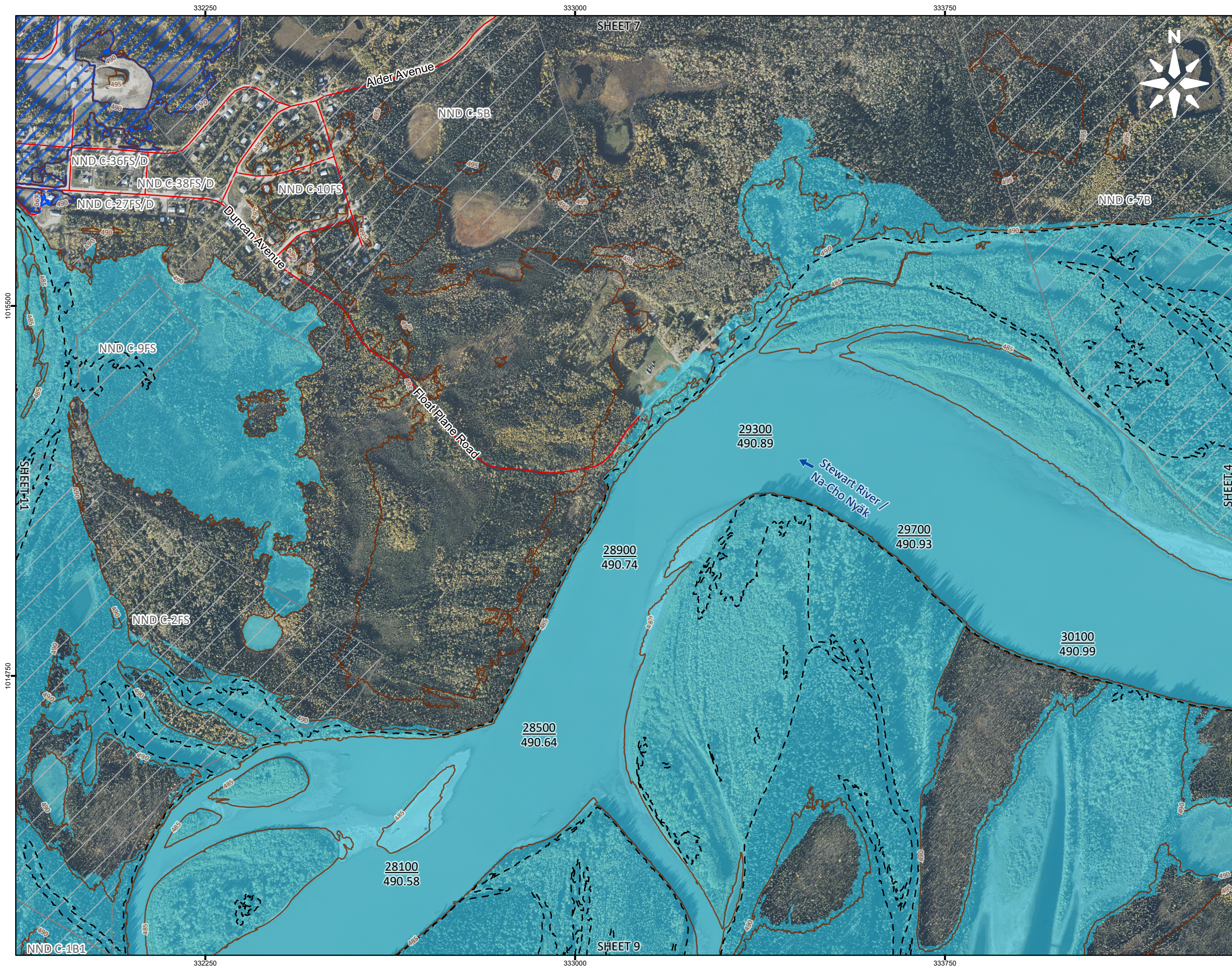
B	26/05/12	ISSUED FOR REVIEW	ALW	MAH
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NO.	YYMMDD	DESCRIPTION	ISSUED BY	CHECK BY

REVISIONS / ISSUE

MAYO FLOOD MAPPING STUDY

**STEWART RIVER / NA-CHO NYAK
OPEN WATER 1%
ANNUAL EXCEEDANCE PROBABILITY**

MAY 2026	SHEET 7 OF 20	REV: B
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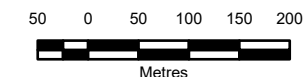
LEGEND:

- 21713.4 River Stationing
- 490.32 Water Surface Elevation (m)
- Local Road
- 5 m Index Contour
- - - Average Annual Peak (50% AEP)
- 1% AEP Inundation - Open Water
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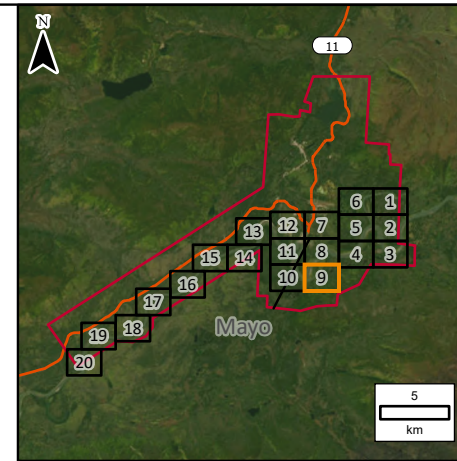
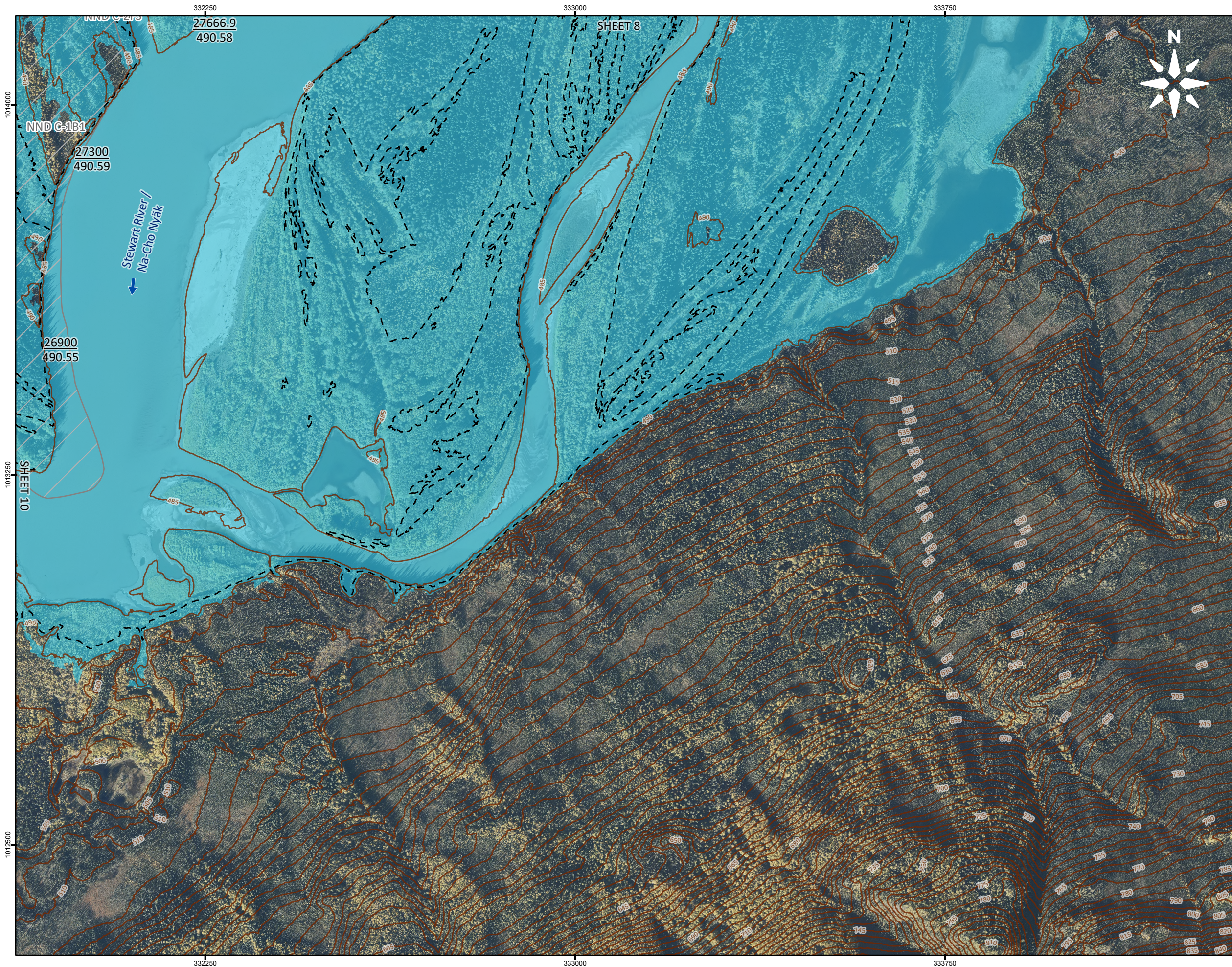
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MAYO FLOOD MAPPING STUDY

STEWART RIVER / NA-CHO NYÄK
OPEN WATER 1%
ANNUAL EXCEEDANCE PROBABILITY

MAY 2026 SHEET 8 OF 20 REV: B

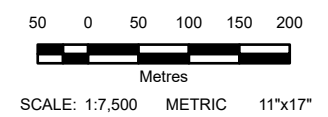


LEGEND:

<u>21713.4</u> 490.32	River Stationing Water Surface Elevation (m)
	5 m Index Contour
	Average Annual Peak (50% AEP)
	1% AEP Inundation - Open Water
	First Nation Settlement Lands - Surveyed

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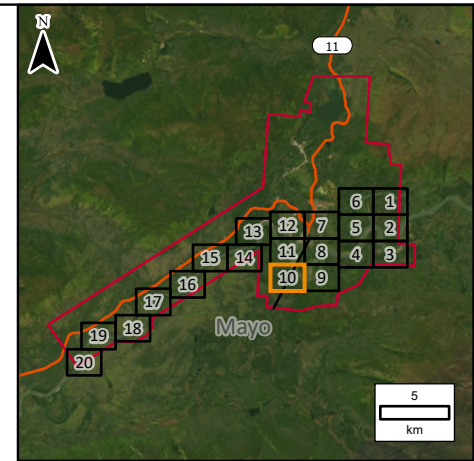
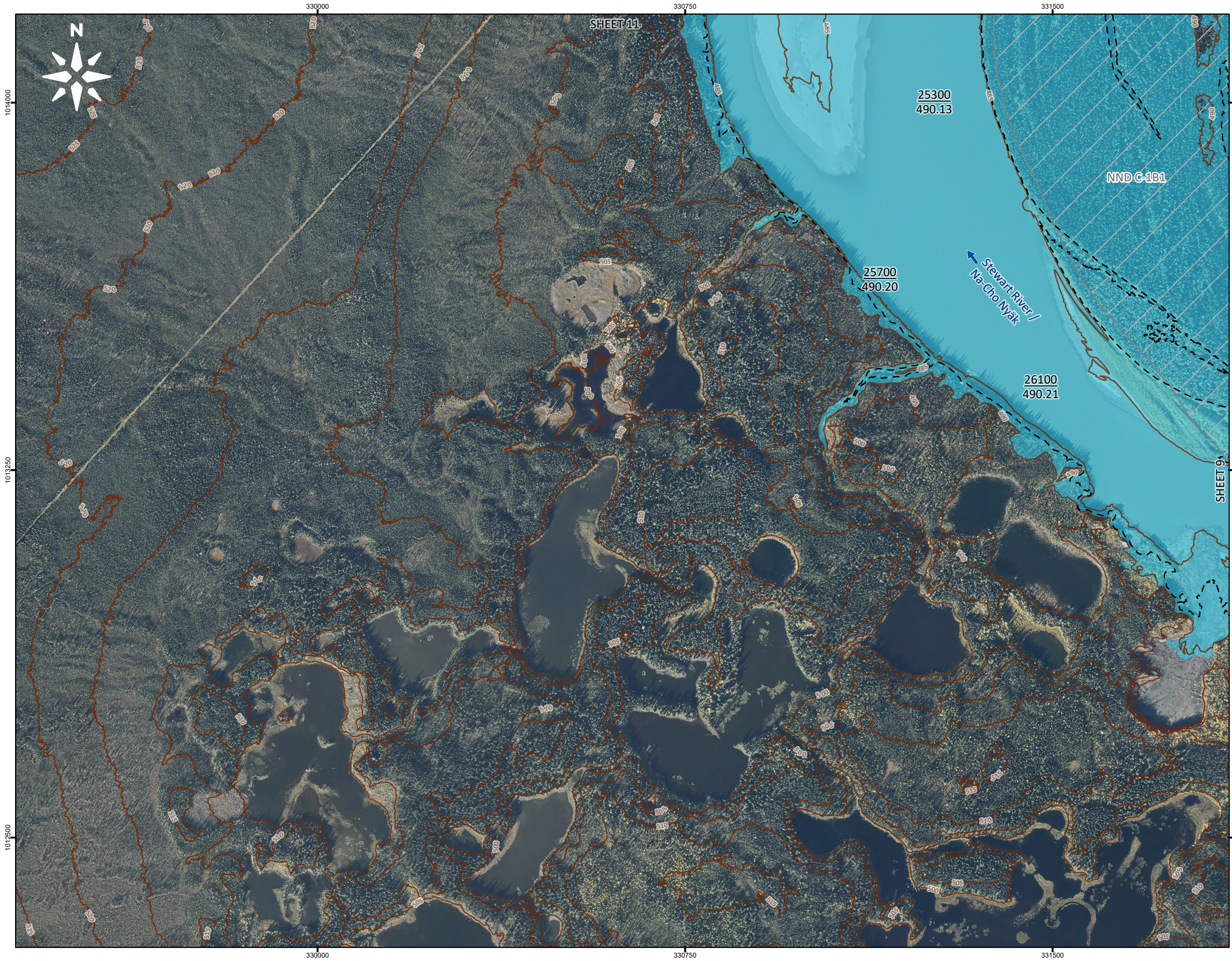


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MAYO FLOOD MAPPING STUDY	
STEWART RIVER / NA-CHO NYÄK OPEN WATER 1% ANNUAL EXCEEDANCE PROBABILITY	
MAY 2026	SHEET 9 OF 20
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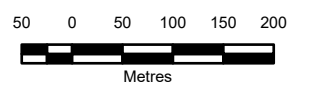
LEGEND:

- 21713.4
490.32 River Stationing
- 490.32 Water Surface Elevation (m)
- 5 m Index Contour
- - - Average Annual Peak (50% AEP)
- 1% AEP Inundation - Open Water
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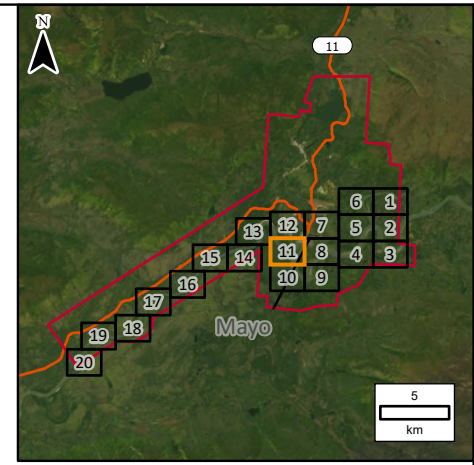
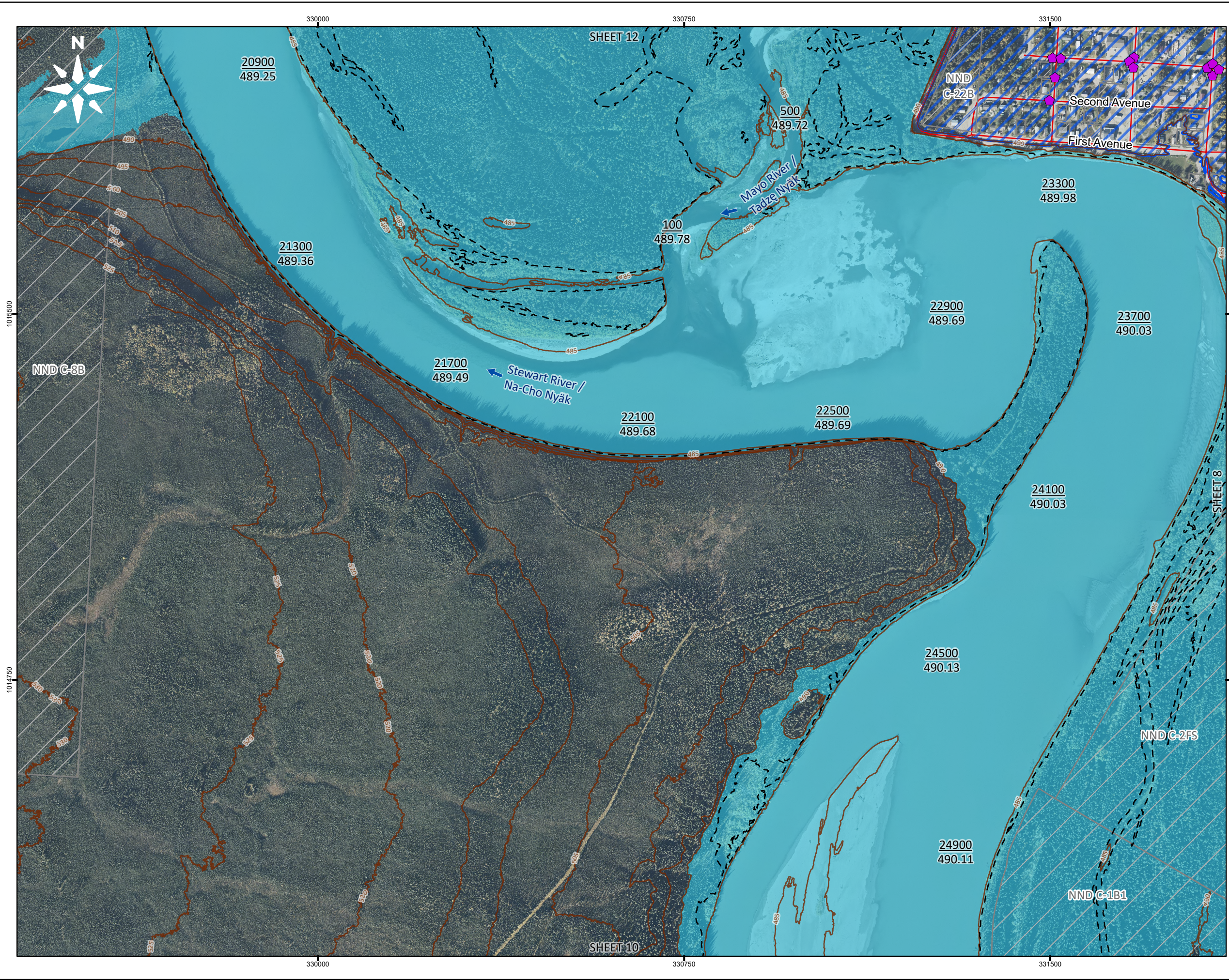


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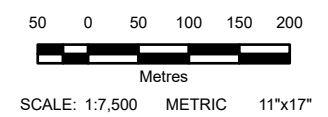
KGS GROUP	Yukon Canada
MAYO FLOOD MAPPING STUDY	
STEWART RIVER / NA-CHO NYÄK OPEN WATER 1% ANNUAL EXCEEDANCE PROBABILITY	
MAY 2026	SHEET 10 OF 20
	REV: B



- LEGEND:**
- 21713.4 River Stationing
 - 490.32 Water Surface Elevation (m)
 - Culvert
 - Local Road
 - 5 m Index Contour
 - - Average Annual Peak (50% AEP)
 - 1% AEP Inundation - Open Water
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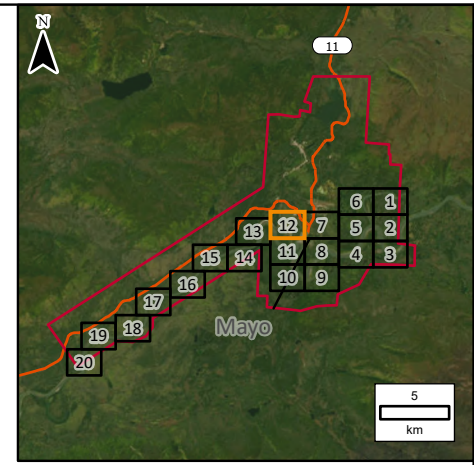
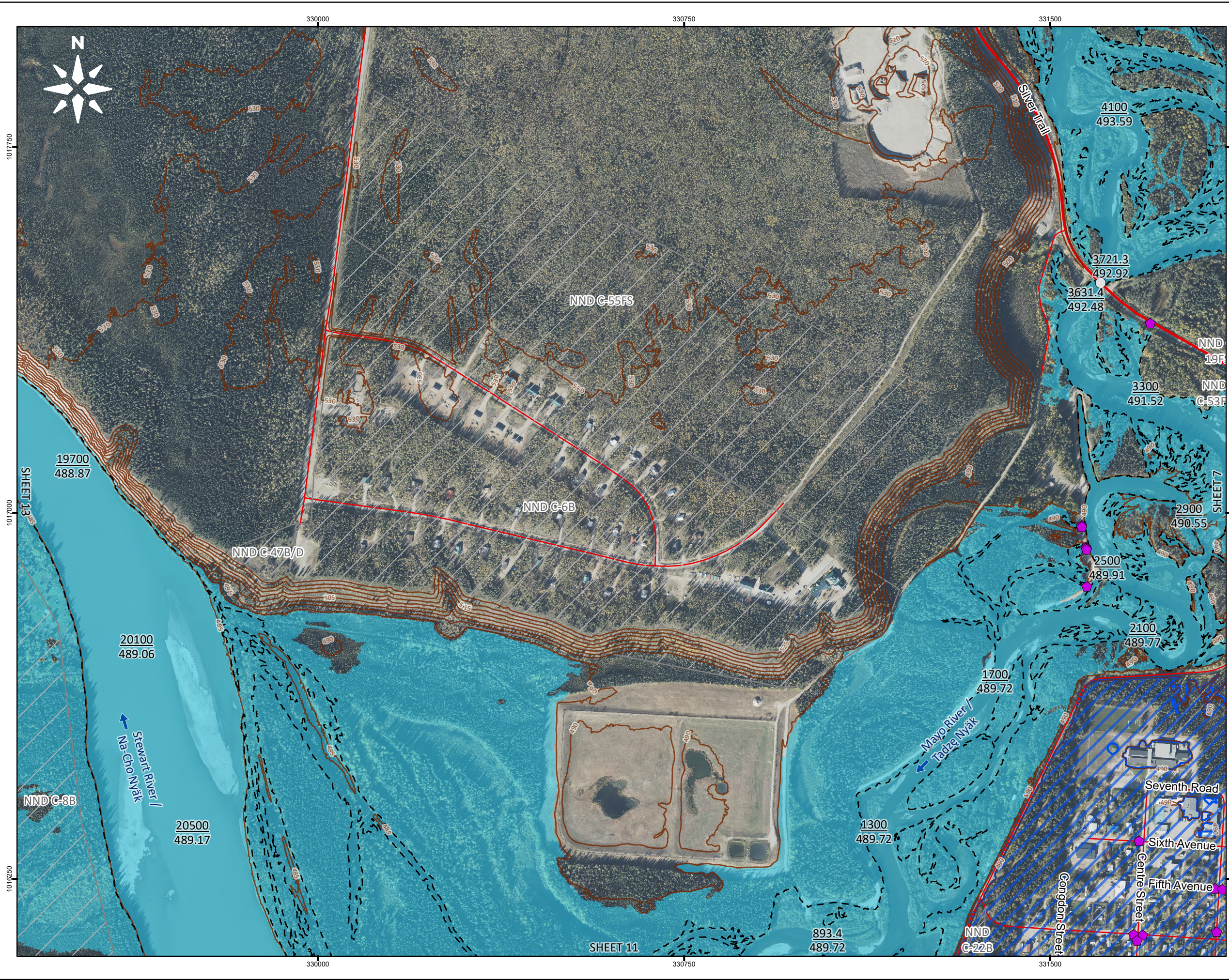
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MAYO FLOOD MAPPING STUDY

**STEWART RIVER / NA-CHO NYÄK
OPEN WATER 1%
ANNUAL EXCEEDANCE PROBABILITY**

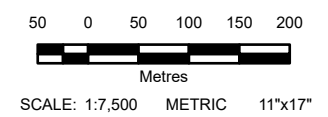
MAY 2026	SHEET 11 OF 20	REV: B
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- LEGEND:**
- 21713.4 River Stationing
 - 490.32 Water Surface Elevation (m)
 - Bridge
 - ◆ Culvert
 - Major Road
 - Local Road
 - 5 m Index Contour
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 5. Imagery provided 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 2370.

DRAFT



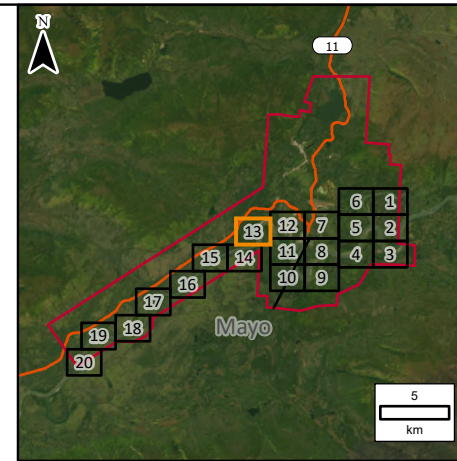
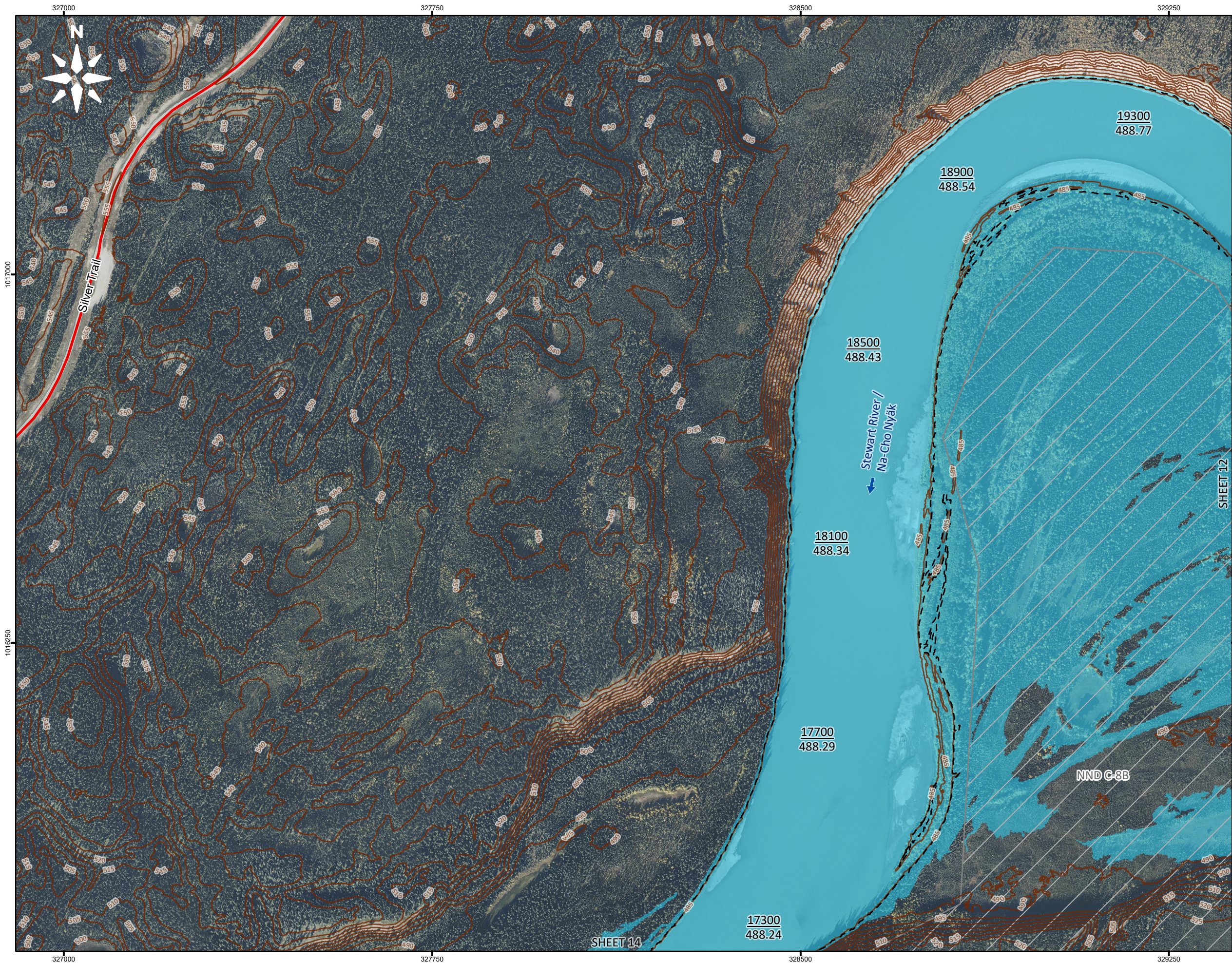
All units are metric and in metres unless otherwise specified. Transverse Mercator Projection, NAD83 Yukon Albers CSRS. Elevations are in metres above sea level (MSL). Canadian Geodetic Vertical Datum 2013 (CGVD2013).

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 NYAK
OPEN WATER 1%
ANNUAL EXCEEDANCE PROBABILITY**

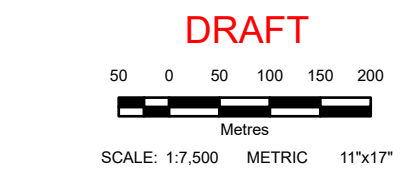
MAY 2026	SHEET 12 OF 20	REV: B
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LEGEND:

$\frac{21713.4}{490.32}$	River Stationing
$\frac{490.32}{21713.4}$	Water Surface Elevation (m)
	Major Road
	5 m Index Contour
	Average Annual Peak (50% AEP)
	1% AEP Inundation - Open Water
	First Nation Settlement Lands - Surveyed

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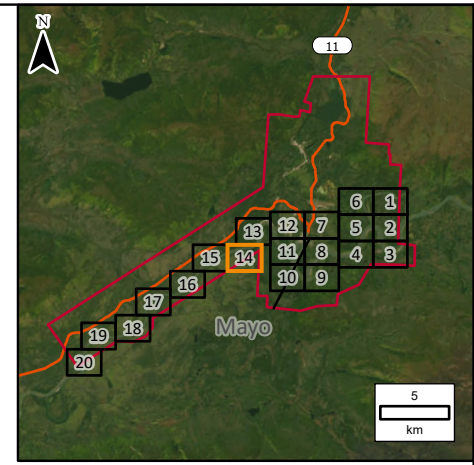
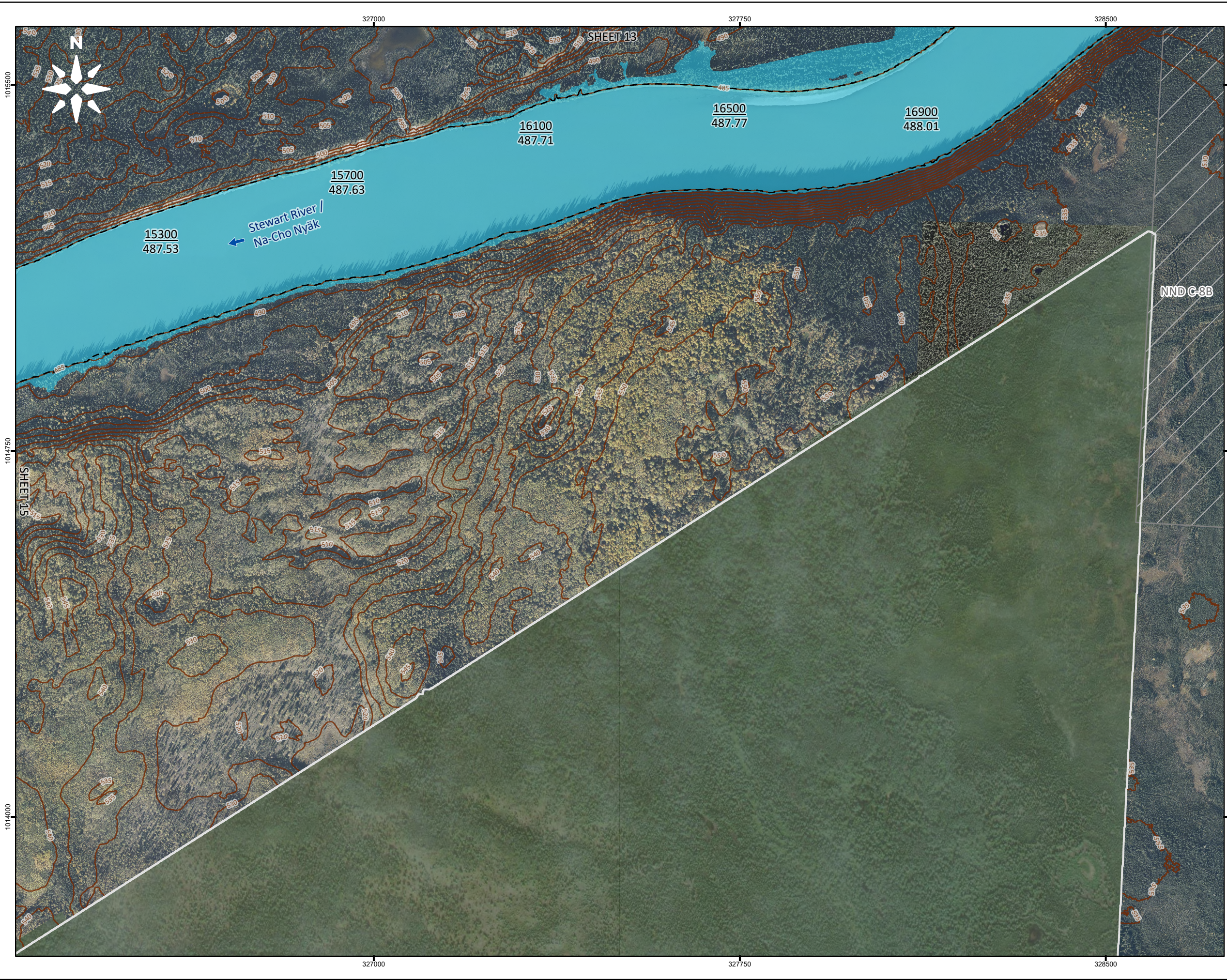
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Transverse Mercator Projection, NAD83 Yukon Albers CSRS.
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Canadian Geodetic Vertical Datum 2013 (CGVD2013).

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

MAYO FLOOD MAPPING STUDY	
STEWART RIVER / NA-CHO NYÄK OPEN WATER 1% ANNUAL EXCEEDANCE PROBABILITY	
MAY 2026	SHEET 13 OF 20
	REV: B

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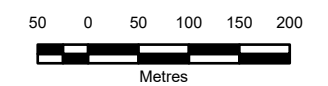
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11"x17" PLOT SCALE: 1:1



- LEGEND:**
- 21713.4 River Stationing
 - 490.32 Water Surface Elevation (m)
 - 5 m Index Contour
 - Limit of LiDAR
 - - Average Annual Peak (50% AEP)
 - 1% AEP Inundation - Open Water
 - First Nation Settlement Lands - Surveyed

- NOTES:**
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DRAFT



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

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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

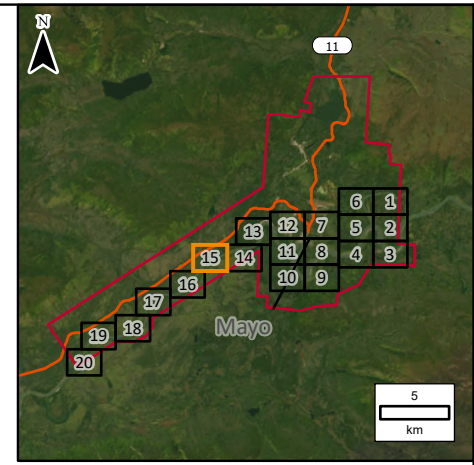
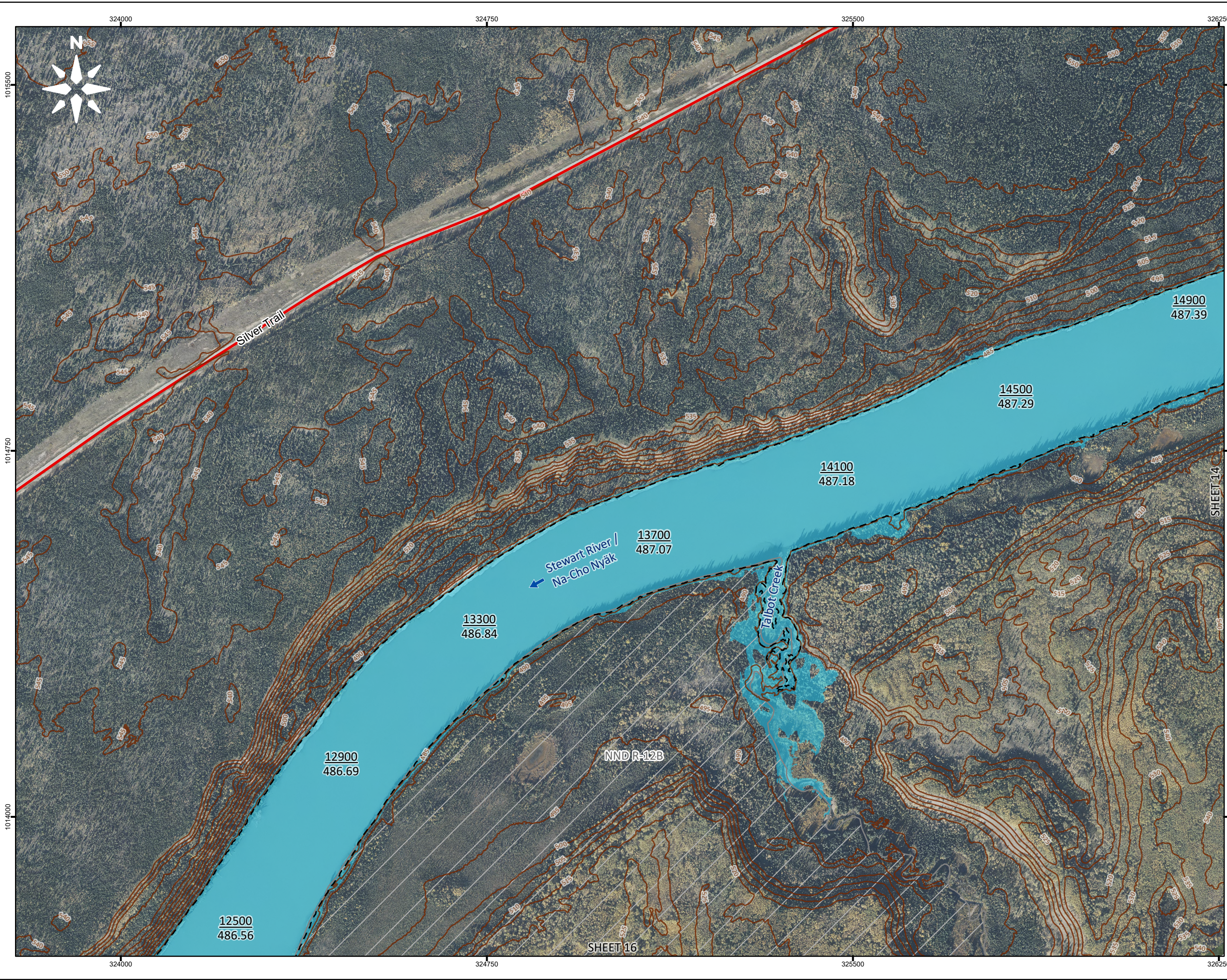
MAYO FLOOD MAPPING STUDY

STEWART RIVER / NA-CHO NYÄK
OPEN WATER 1%
ANNUAL EXCEEDANCE PROBABILITY

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11"x17" PLOT SCALE: 1:1

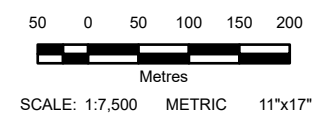


LEGEND:

21713.4	River Stationing
490.32	Water Surface Elevation (m)
—	Major Road
—	5 m Index Contour
—	Limit of LiDAR
- - -	Average Annual Peak (50% AEP)
■	1% AEP Inundation - Open Water
	First Nation Settlement Lands - Surveyed

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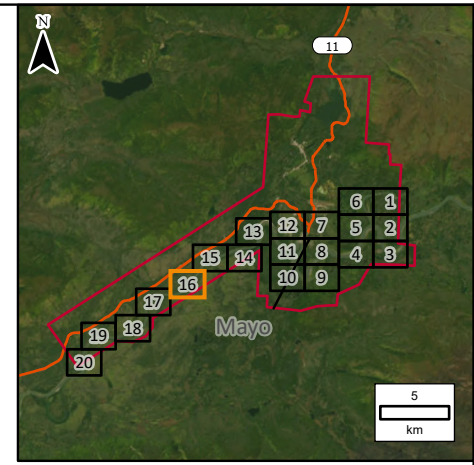
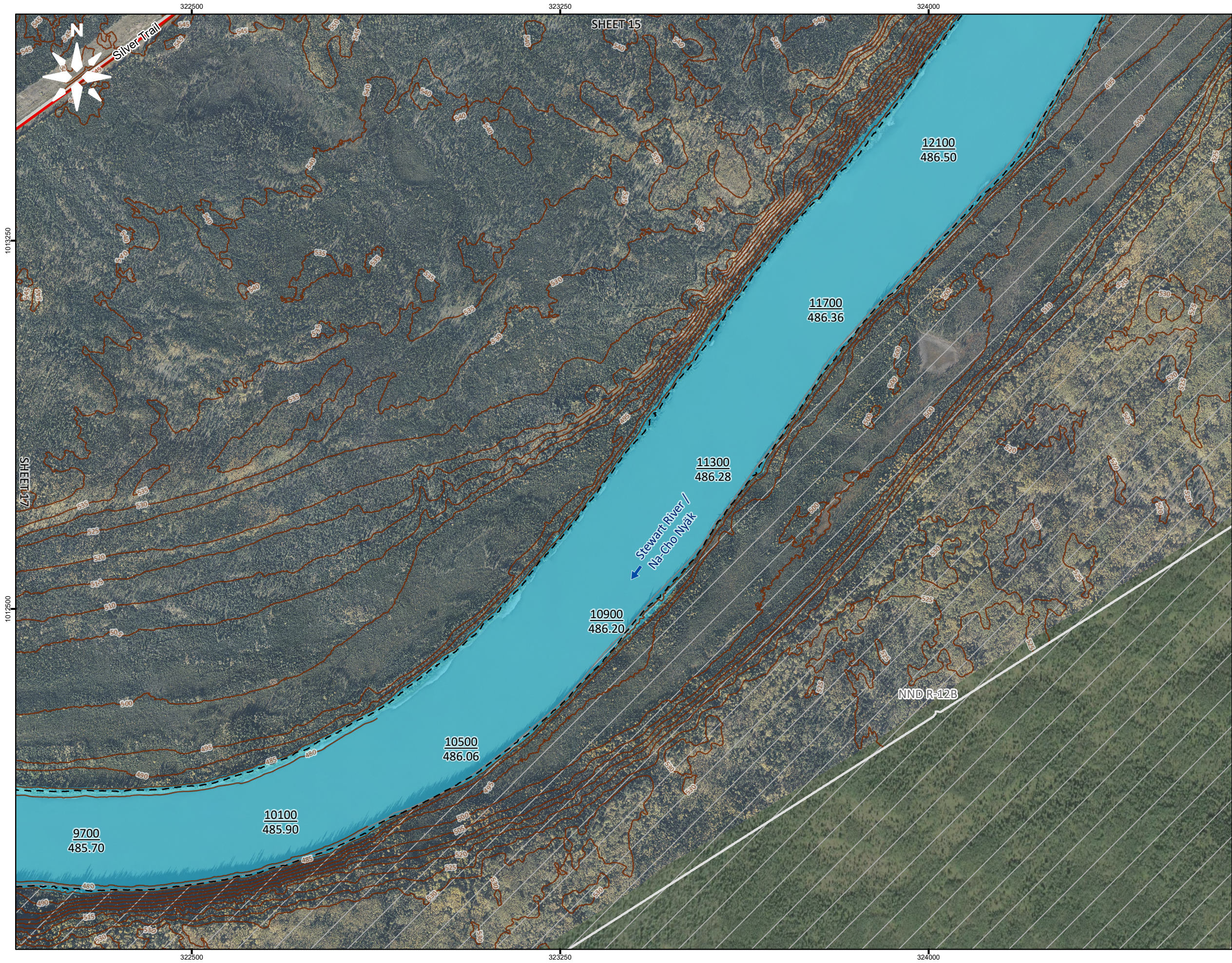
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Transverse Mercator Projection, NAD83 Yukon Albers CSRS.
Elevations are in metres above sea level (MSL).
Canadian Geodetic Vertical Datum 2013 (CGVD2013).

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				

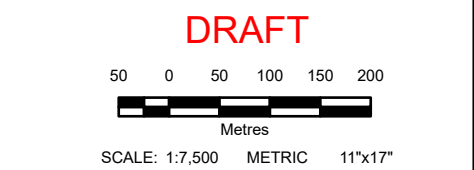
KGS GROUP	Yukon Canada
MAYO FLOOD MAPPING STUDY	
STEWART RIVER / NA-CHO NYAK OPEN WATER 1% ANNUAL EXCEEDANCE PROBABILITY	
MAY 2026	SHEET 15 OF 20
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LEGEND:

<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)
	1% AEP Inundation - Open Water
	First Nation Settlement Lands - Surveyed

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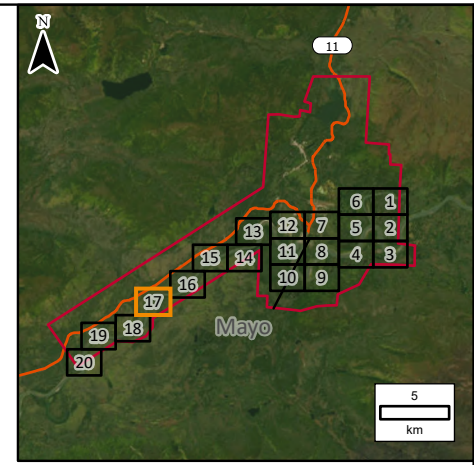
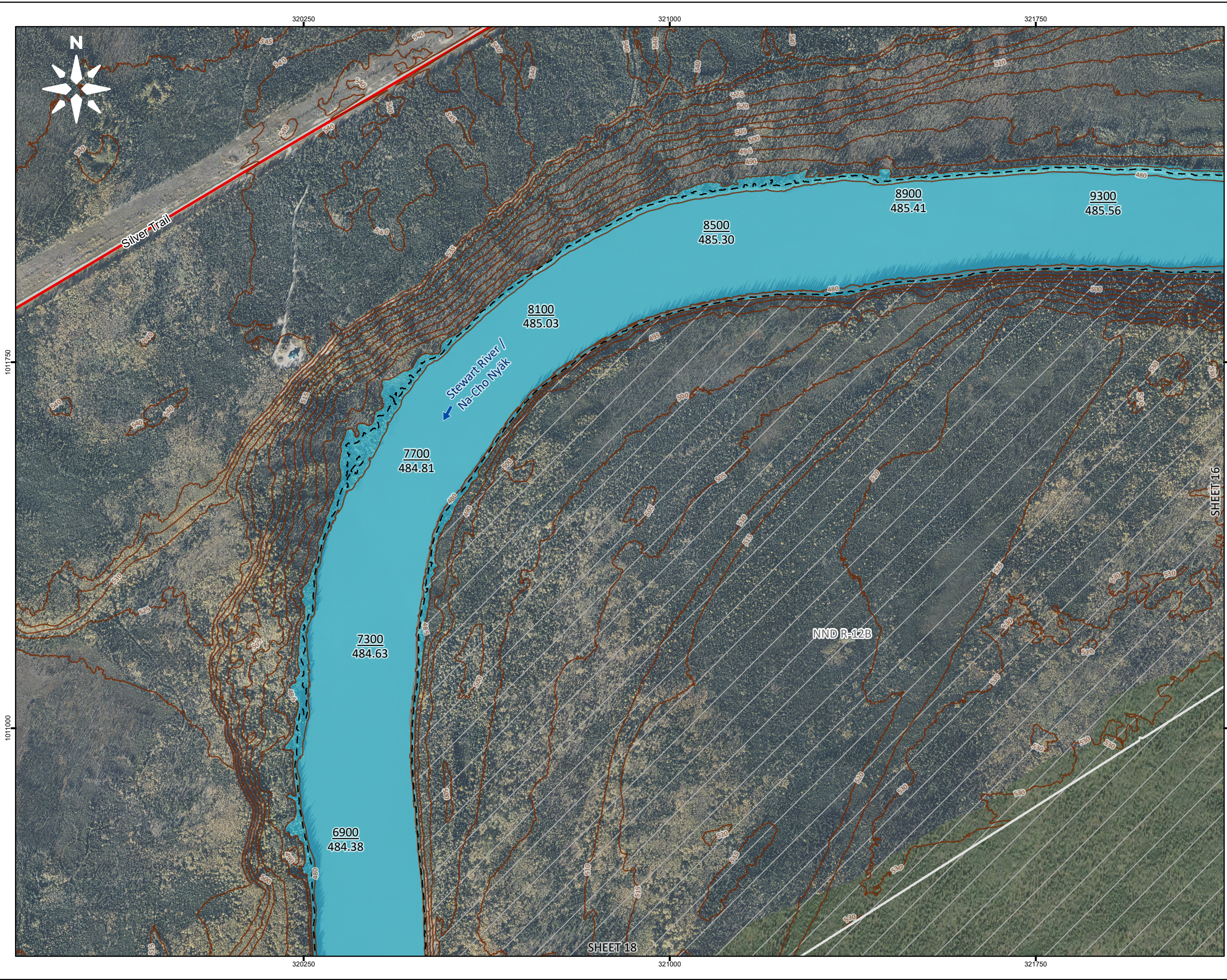


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Canadian Geodetic Vertical Datum 2013 (CGVD2013).

B	26/05/12	ISSUED FOR REVIEW	ALW	MAH
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MAYO FLOOD MAPPING STUDY	
STEWART RIVER / NA-CHO NYÄK OPEN WATER 1% ANNUAL EXCEEDANCE PROBABILITY	
MAY 2026	SHEET 16 OF 20
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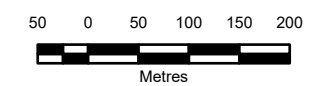


LEGEND:

21713.4	River Stationing
490.32	Water Surface Elevation (m)
	Major Road
	5 m Index Contour
	Limit of LiDAR
	Average Annual Peak (50% AEP)
	1% AEP Inundation - Open Water
	First Nation Settlement Lands - Surveyed

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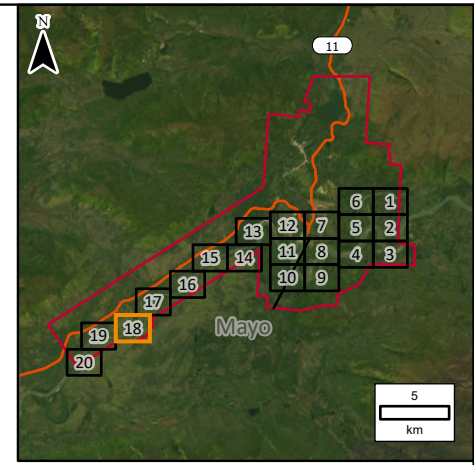
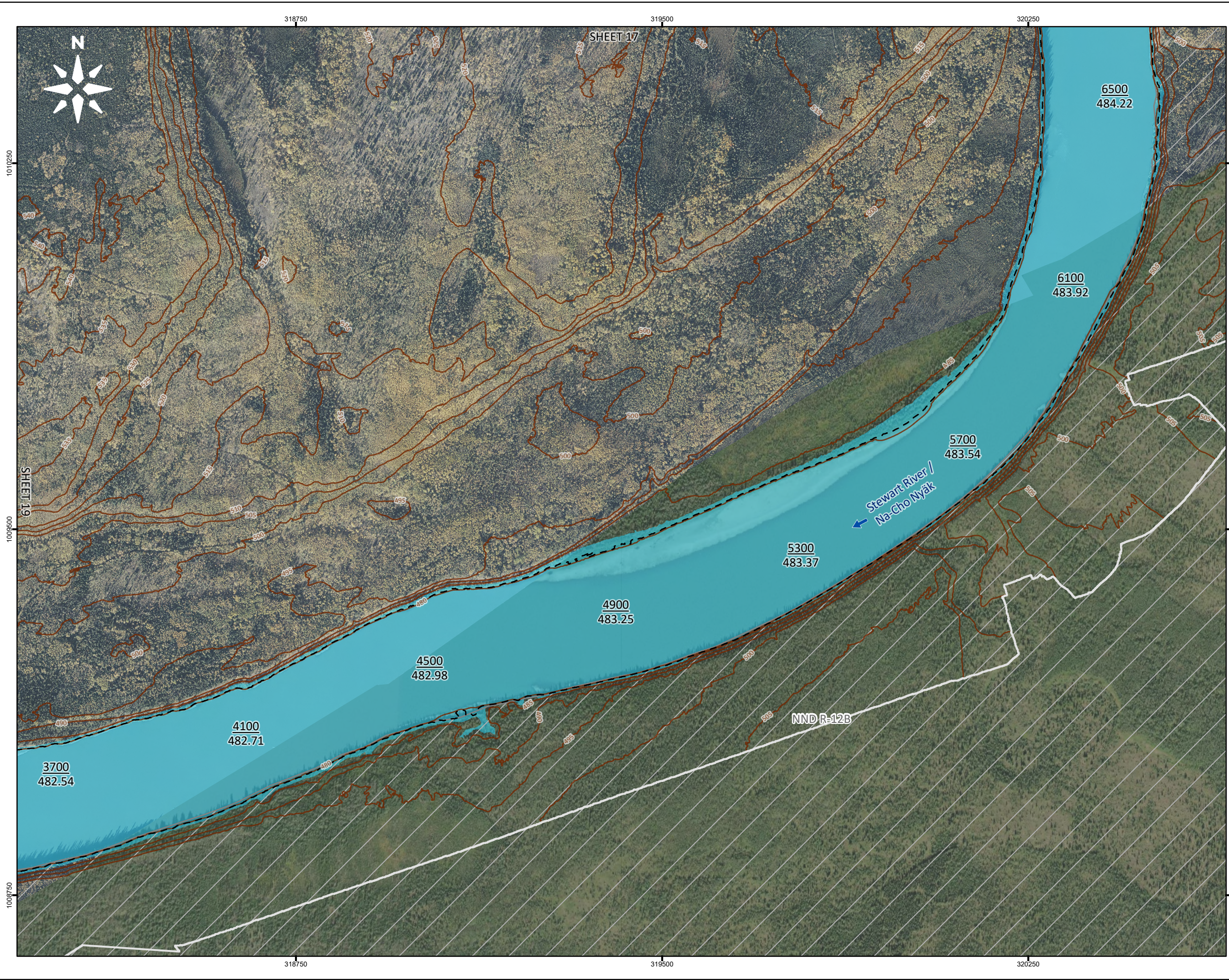
SCALE: 1:7,500 METRIC 11"x17"

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Canadian Geodetic Vertical Datum 2013 (CGVD2013).

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REVISIONS / ISSUE

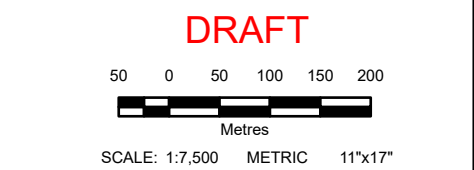
MAYO FLOOD MAPPING STUDY	
STEWART RIVER / NA-CHO NYÄK OPEN WATER 1% ANNUAL EXCEEDANCE PROBABILITY	
MAY 2026	SHEET 17 OF 20
	REV: B



LEGEND:

<u>21713.4</u> 490.32	River Stationing Water Surface Elevation (m)
	5 m Index Contour
	Limit of LiDAR
	Average Annual Peak (50% AEP)
	1% AEP Inundation - Open Water
	First Nation Settlement Lands - Surveyed

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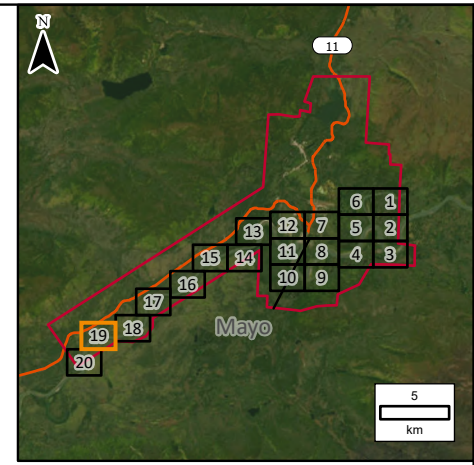
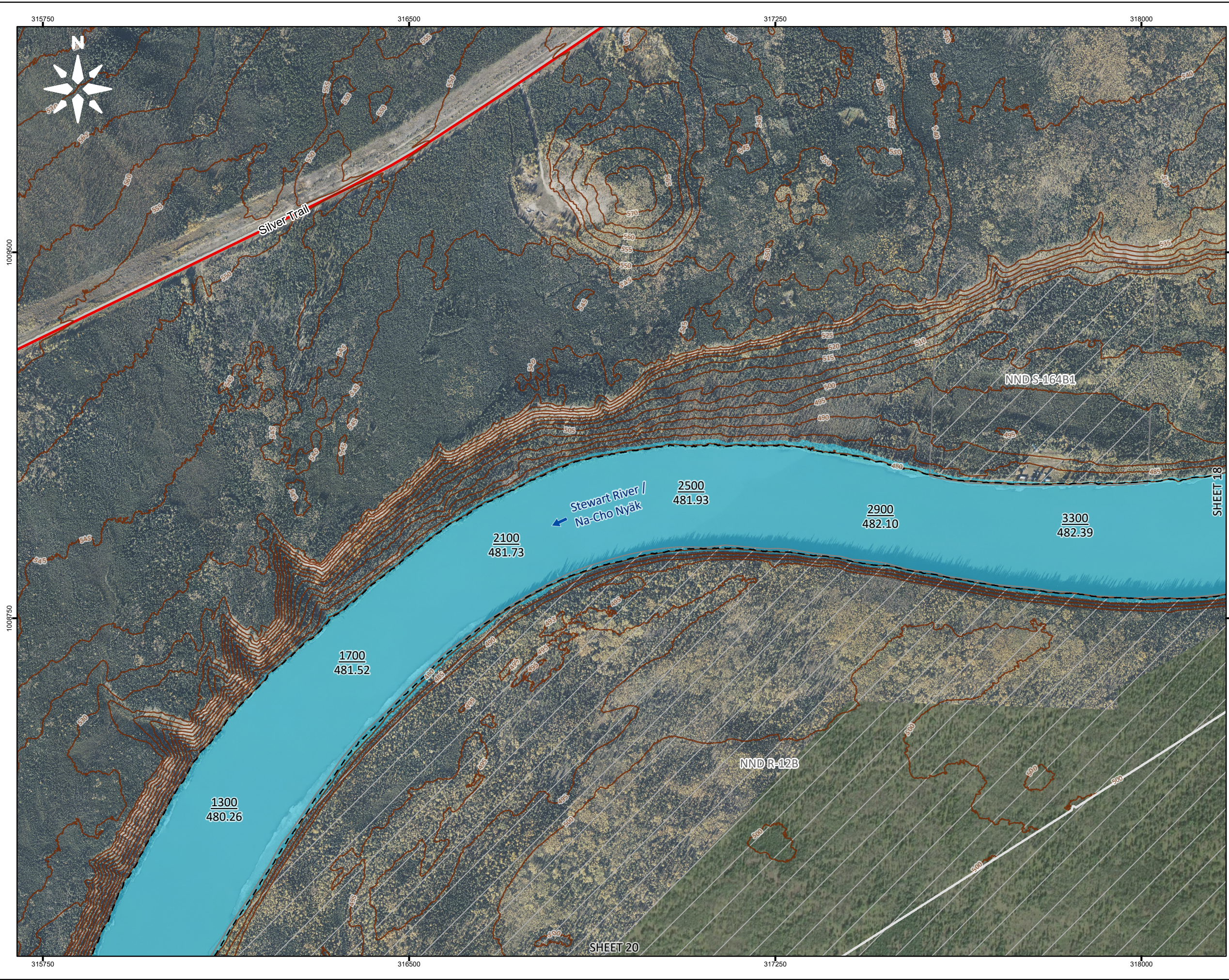
B	26/05/12	ISSUED FOR REVIEW	ALW	MAH
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REVISIONS / ISSUE

MAYO FLOOD MAPPING STUDY	
STEWART RIVER / NA-CHO NYAK OPEN WATER 1% ANNUAL EXCEEDANCE PROBABILITY	
MAY 2026	SHEET 18 OF 20
	REV: B

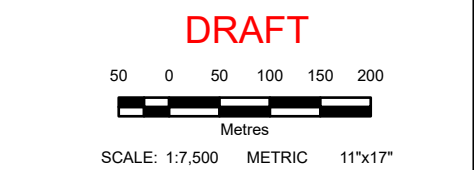
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File Name: R:\Projects\2024\24-2708-001\Design\GIS\Data\AcPro\Inundation Mapping\Inundation Mapping.aprx.24-2708-001-Fig4.2
11"x17" PLOT SCALE 1:1



- 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)
 - 1% AEP Inundation - Open Water
 - First Nation Settlement Lands - Surveyed



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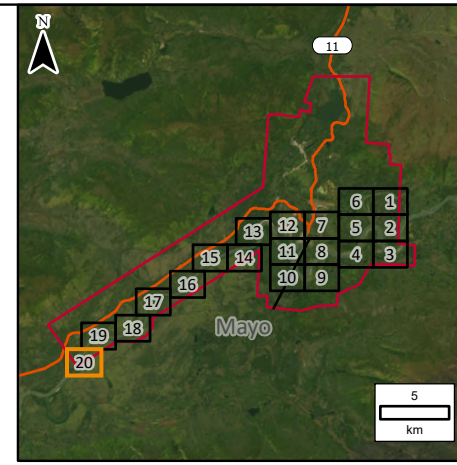
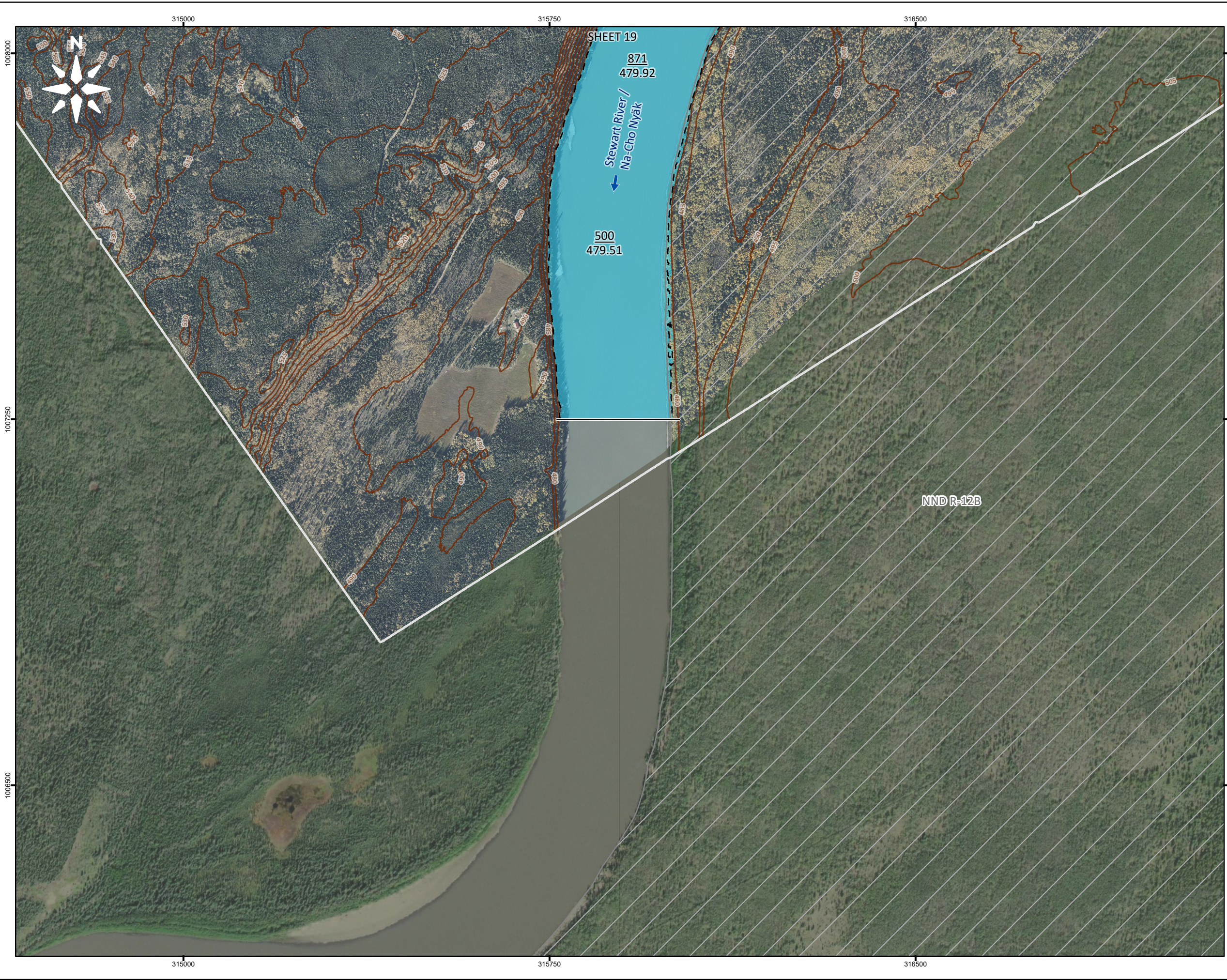
REVISIONS / ISSUE

MAYO FLOOD MAPPING STUDY

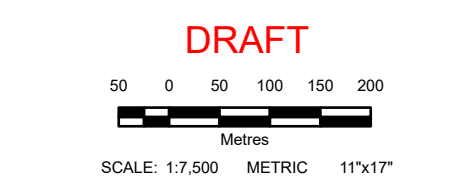
**STEWART RIVER / NA-CHO NYÄK
OPEN WATER 1%
ANNUAL EXCEEDANCE PROBABILITY**

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)
 - 1% AEP Inundation - Open Water
 - First Nation Settlement Lands - Surveyed

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REVISIONS / ISSUE

MAYO FLOOD MAPPING STUDY

**STEWART RIVER / NA-CHO NYÄK
OPEN WATER 1%
ANNUAL EXCEEDANCE PROBABILITY**

MAY 2026	SHEET 20 OF 20	REV: B
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