

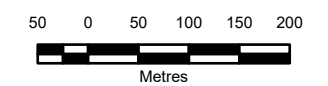
LEGEND:

- 5 m Index Contour
- Limit of LiDAR
- Average Annual Peak (50% AEP)
- 0.5% AEP Inundation - Open Water

NOTES:

1. AEP corresponds to the Annual Exceedance Probability.
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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.

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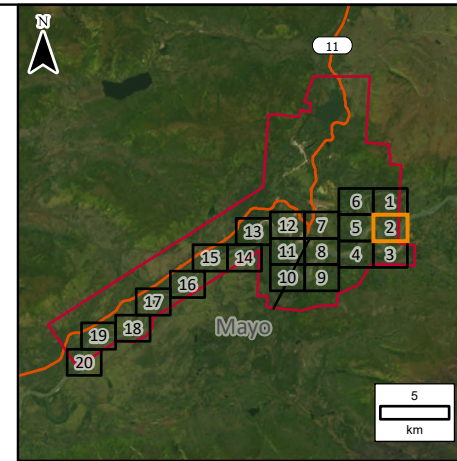
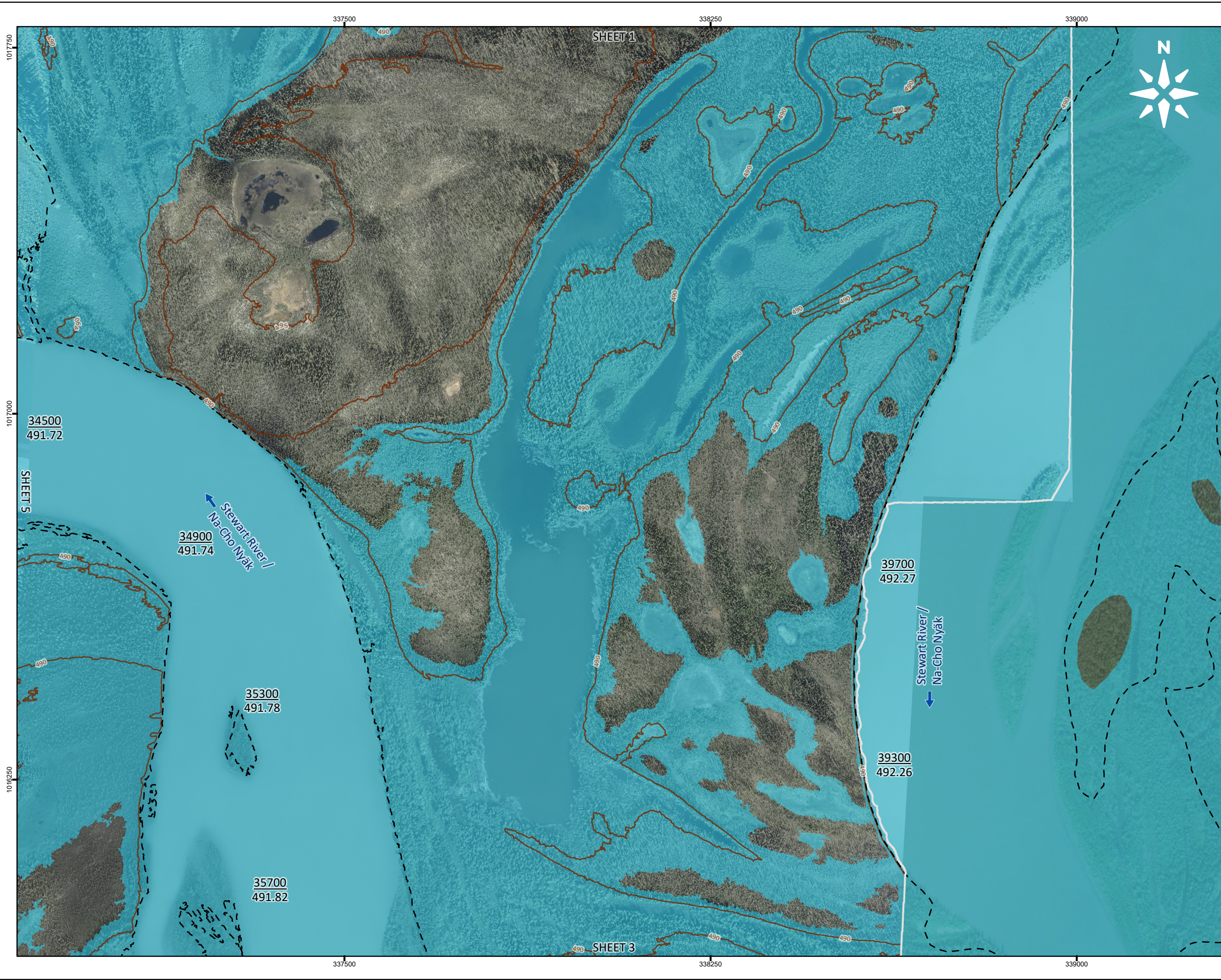
SCALE: 1:7,500 METRIC 11"x17"

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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).

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



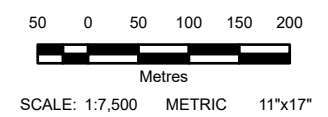
MAYO FLOOD MAPPING STUDY	
STEWART RIVER / NA-CHO NYÄK OPEN WATER 0.5% ANNUAL EXCEEDANCE PROBABILITY	
MAY 2026	SHEET 1 OF 20
	REV: C



- LEGEND:**
- 21713.4 River Stationing
 - 490.32 Water Surface Elevation (m)
 - 5 m Index Contour
 - Limit of LiDAR
 - - - Average Annual Peak (50% AEP)
 - 0.5% AEP Inundation - Open Water

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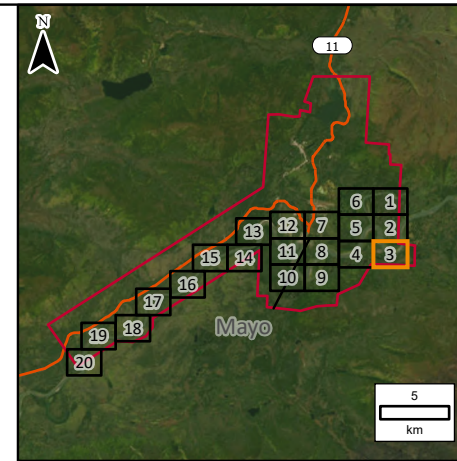
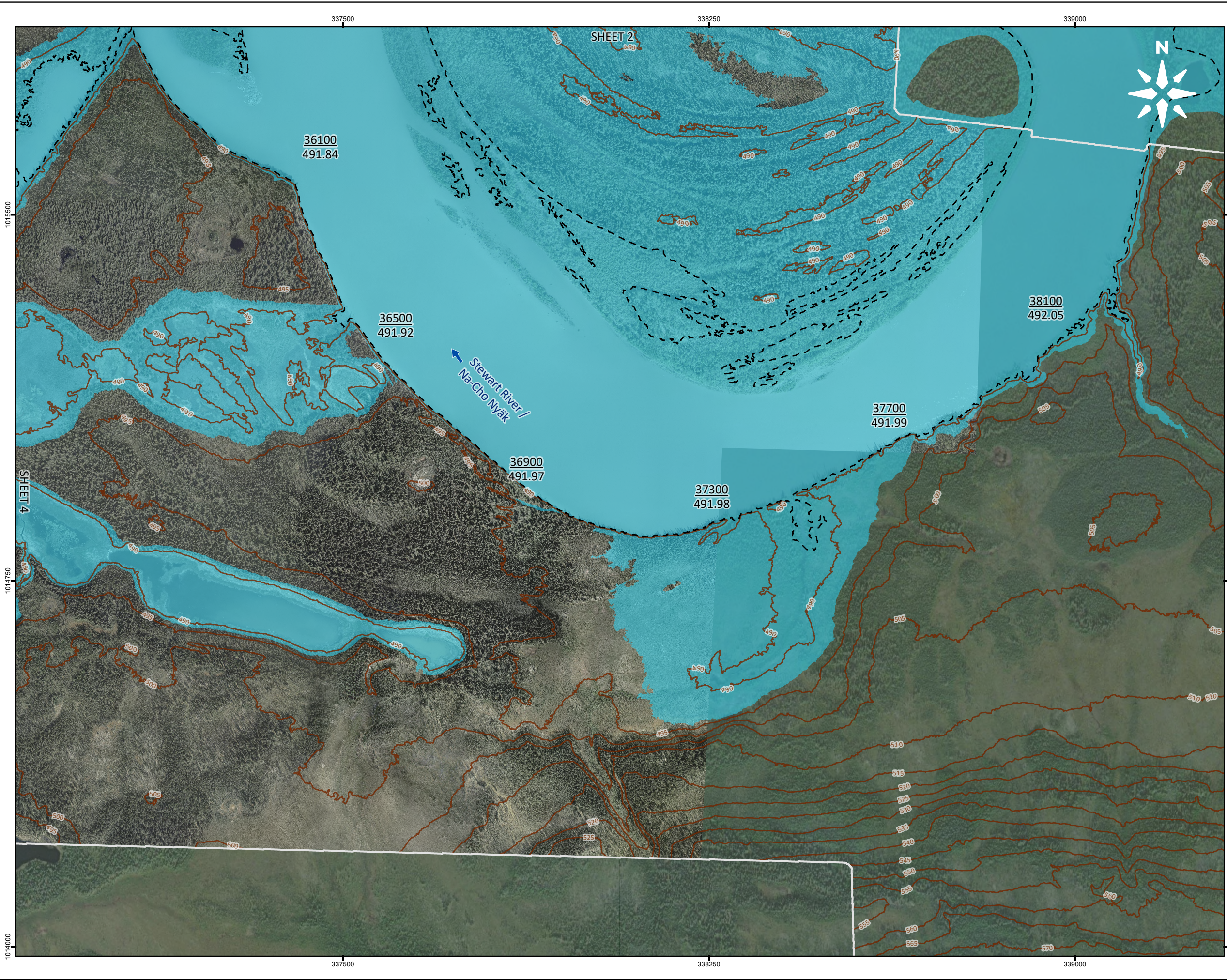
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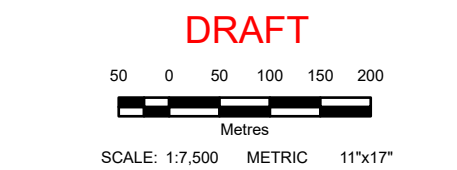
KGS GROUP	Yukon Canada
MAYO FLOOD MAPPING STUDY	
STEWART RIVER / NA-CHO NYÄK OPEN WATER 0.5% ANNUAL EXCEEDANCE PROBABILITY	
MAY 2026	SHEET 2 OF 20
	REV: C



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)
	0.5% AEP Inundation - Open Water

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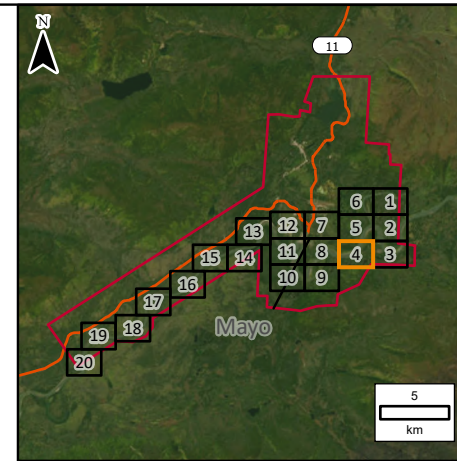
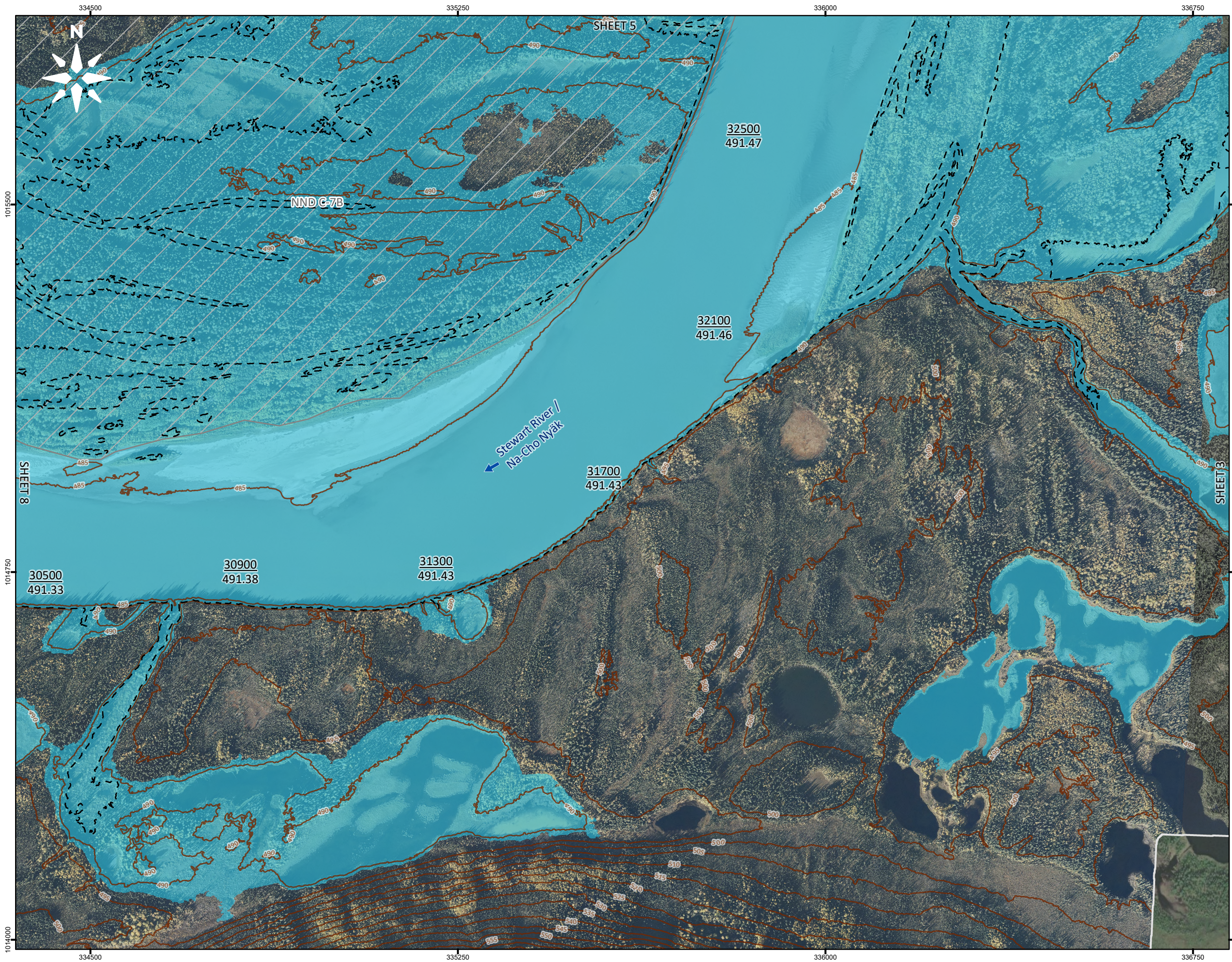
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REVISIONS / ISSUE

MAYO FLOOD MAPPING STUDY

**STEWART RIVER / NA-CHO NYÄK
OPEN WATER 0.5%
ANNUAL EXCEEDANCE PROBABILITY**

MAY 2026	SHEET 3 OF 20	REV: C
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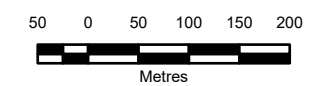
LEGEND:

- 21713.4 River Stationing
- 490.32 Water Surface Elevation (m)
- 5 m Index Contour
- - - Limit of LiDAR
- - - Average Annual Peak (50% AEP)
- 0.5% AEP Inundation - Open Water
- ▨ First Nation Settlement Lands - Surveyed

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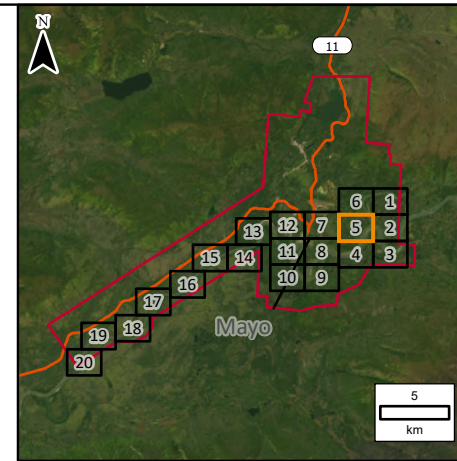
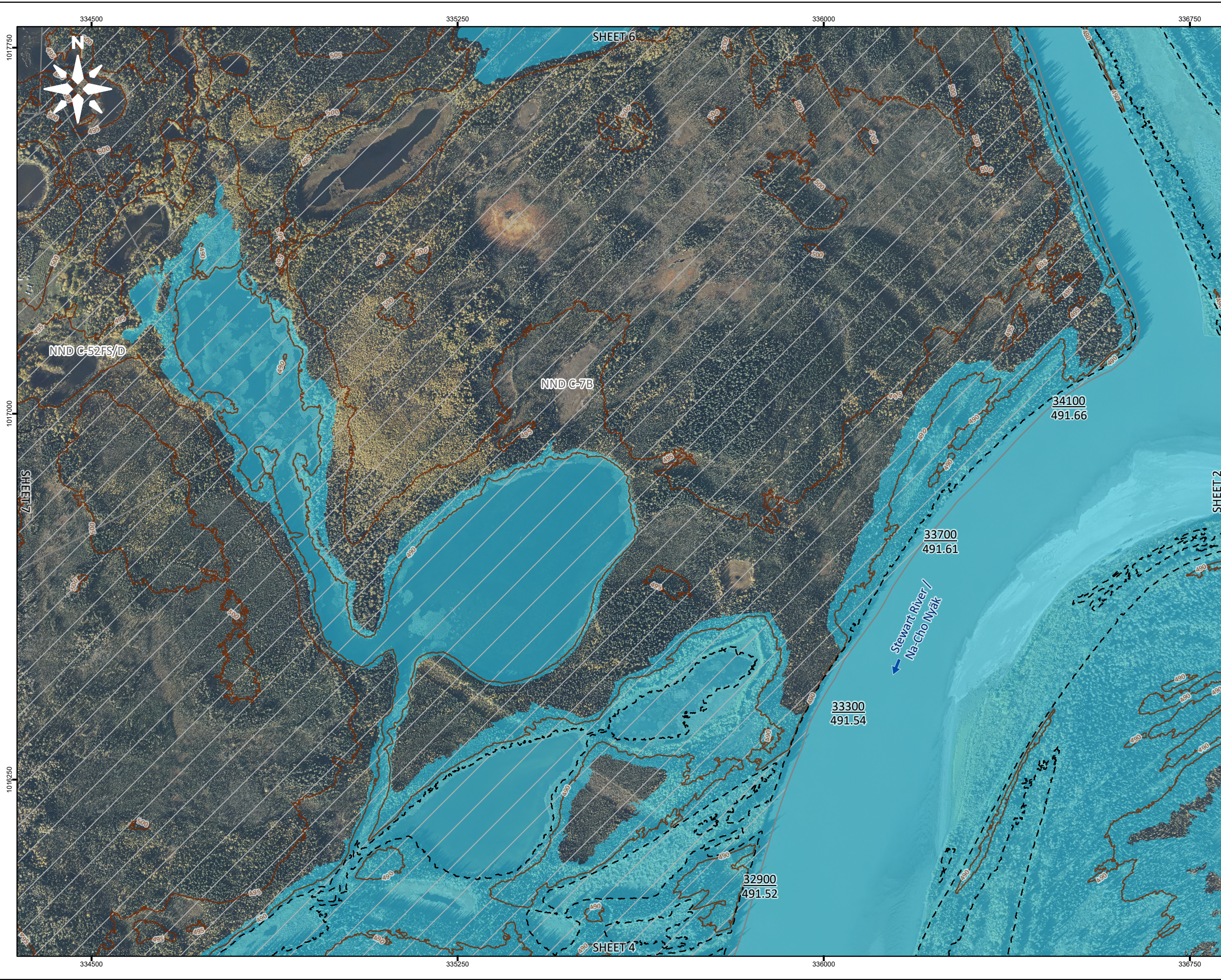


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KGS GROUP	Yukon Canada
MAYO FLOOD MAPPING STUDY	
STEWART RIVER / NA-CHO NYÄK OPEN WATER 0.5% ANNUAL EXCEEDANCE PROBABILITY	
MAY 2026	SHEET 4 OF 20
	REV: C



LEGEND:

21713.4	River Stationing
490.32	Water Surface Elevation (m)
—	5 m Index Contour
- - -	Average Annual Peak (50% AEP)
■	0.5% AEP Inundation - Open Water
	First Nation Settlement Lands - Surveyed

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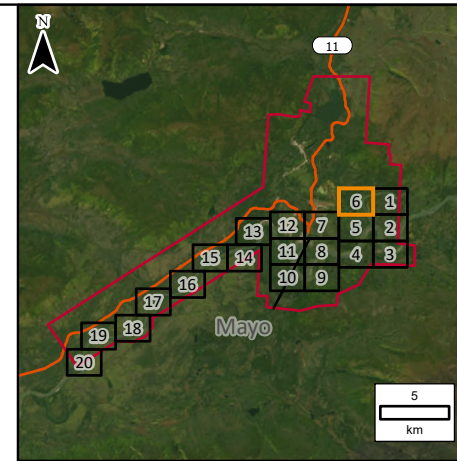
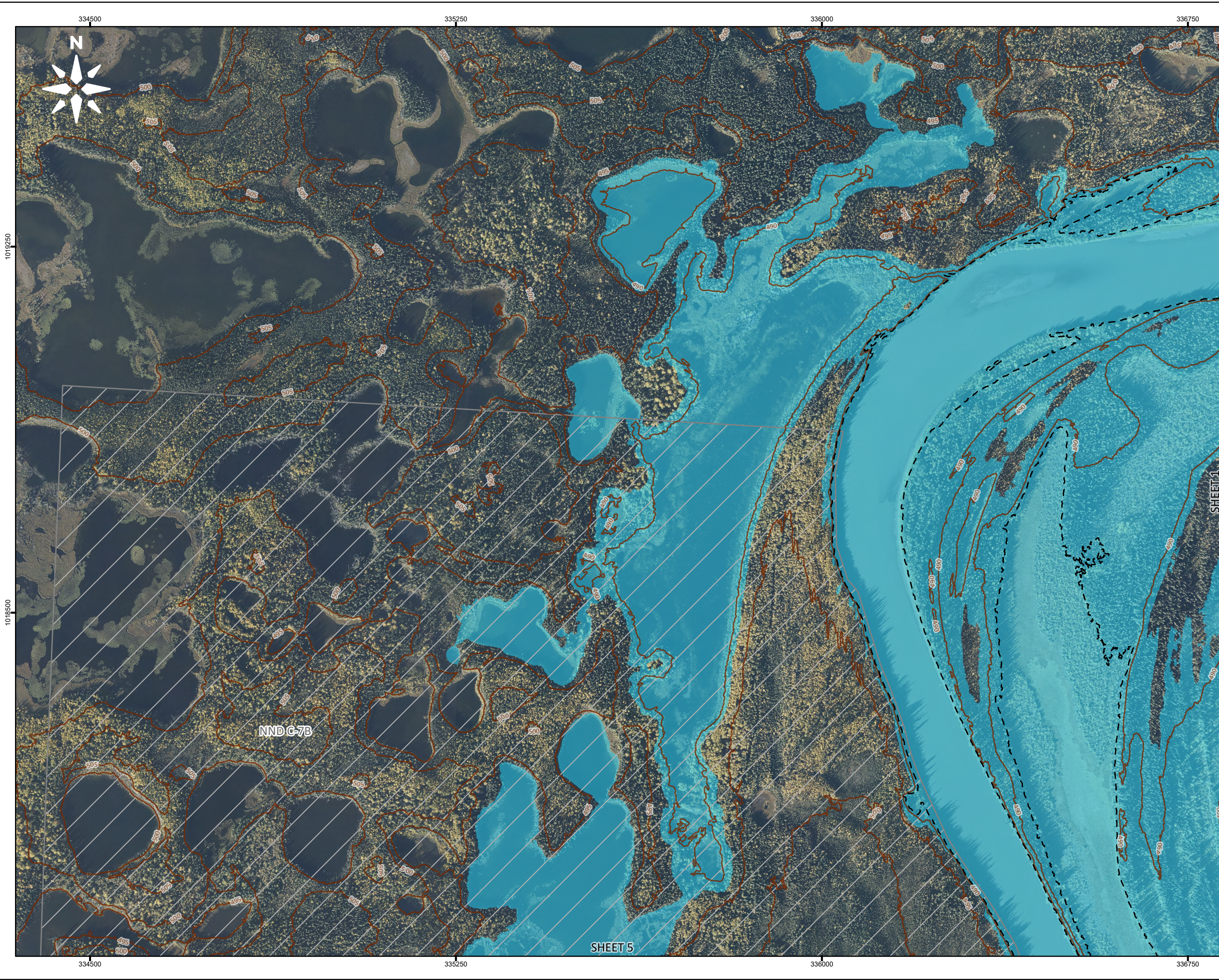
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Metres
SCALE: 1:7,500 METRIC 11"x17"

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KGS GROUP	Yukon Canada
MAYO FLOOD MAPPING STUDY	
STEWART RIVER / NA-CHO NYAK	
OPEN WATER 0.5%	
ANNUAL EXCEEDANCE PROBABILITY	
MAY 2026	SHEET 5 OF 20
	REV: C



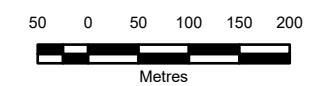
LEGEND:

- 5 m Index Contour
- Average Annual Peak (50% AEP)
- 0.5% AEP Inundation - Open Water
- First Nation Settlement Lands - Surveyed

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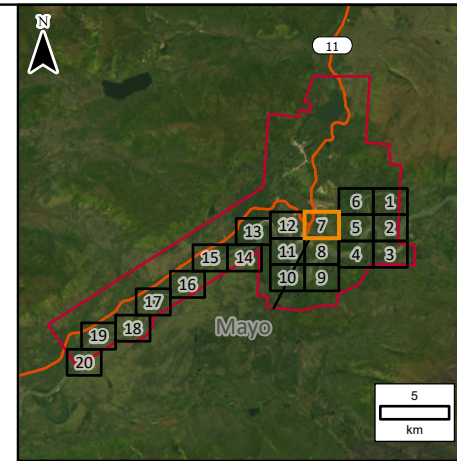
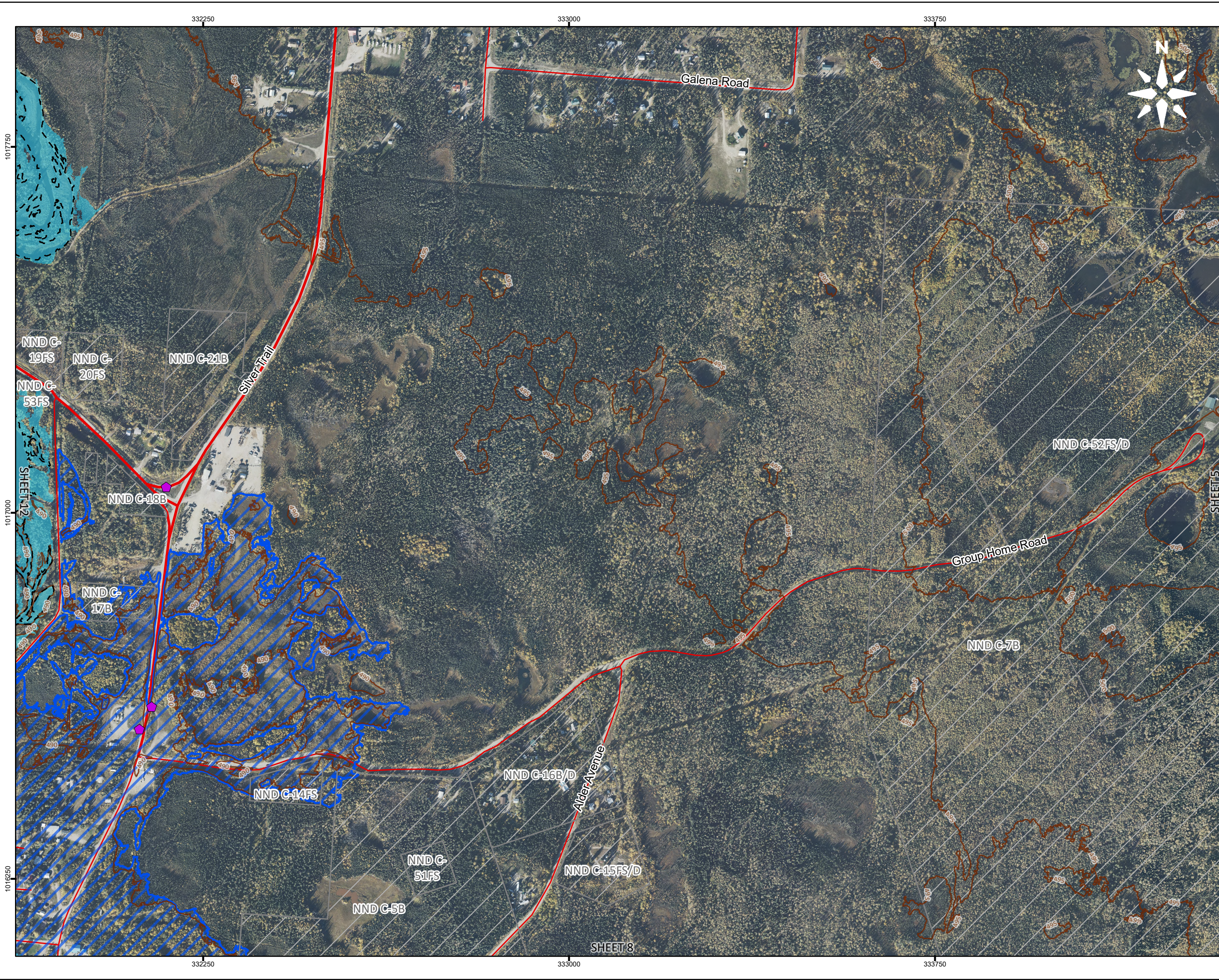


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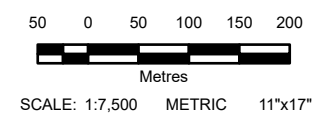
MAYO FLOOD MAPPING STUDY	
STEWART RIVER / NA-CHO NYAK OPEN WATER 0.5% ANNUAL EXCEEDANCE PROBABILITY	
MAY 2026	SHEET 6 OF 20
	REV: C



- LEGEND:**
- Culvert
 - Major Road
 - Local Road
 - 5 m Index Contour
 - Average Annual Peak (50% AEP)
 - 0.5% AEP Inundation - Open Water
 - Area Protected by Dike
 - First Nation Settlement Lands - Surveyed

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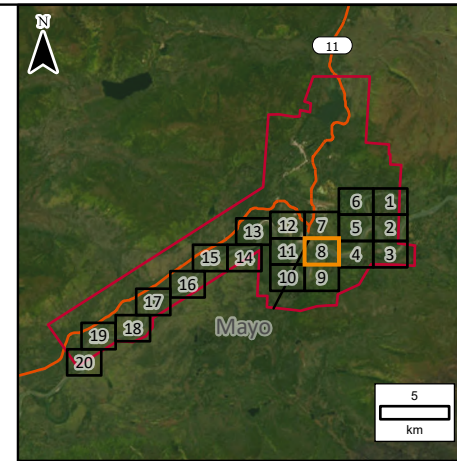
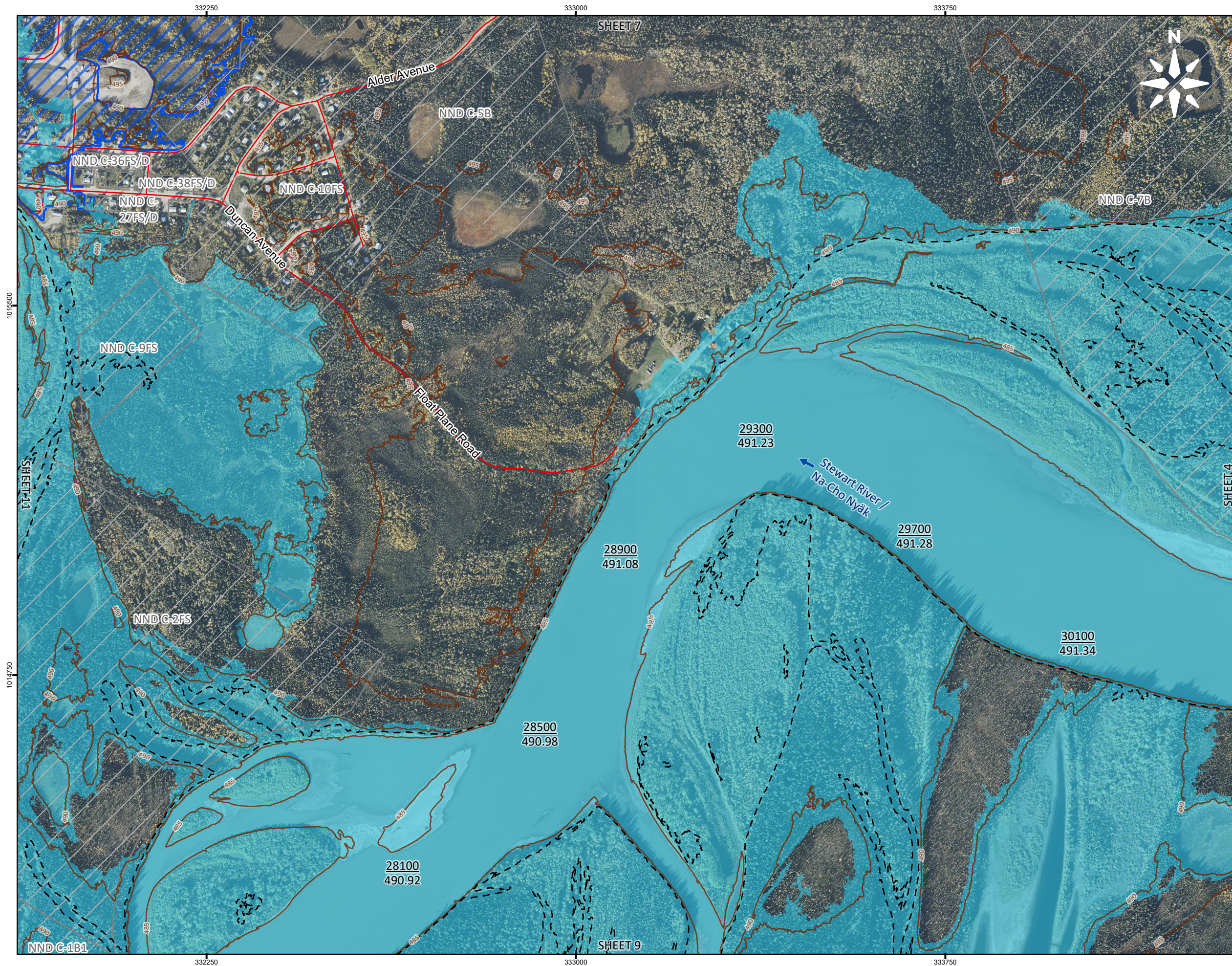
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MAYO FLOOD MAPPING STUDY

**STEWART RIVER / NA-CHO NYAK
OPEN WATER 0.5%
ANNUAL EXCEEDANCE PROBABILITY**

MAY 2026	SHEET 7 OF 20	REV: C
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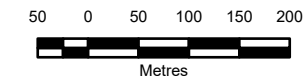
LEGEND:

- 21713.4 River Stationing
- 490.32 Water Surface Elevation (m)
- Local Road
- 5 m Index Contour
- - - Average Annual Peak (50% AEP)
- 0.5% AEP Inundation - Open Water
- Area Protected by Dike
- First Nation Settlement Lands - Surveyed

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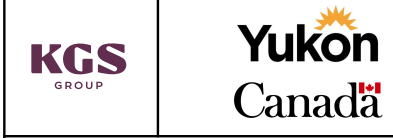
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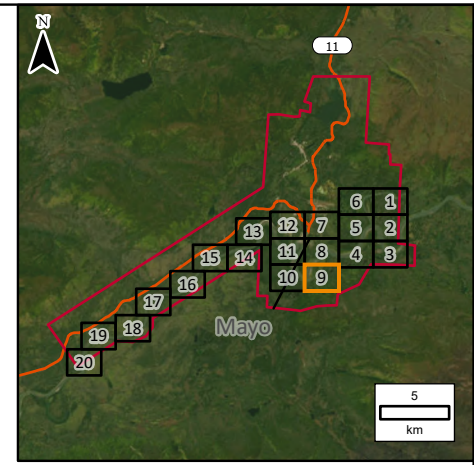
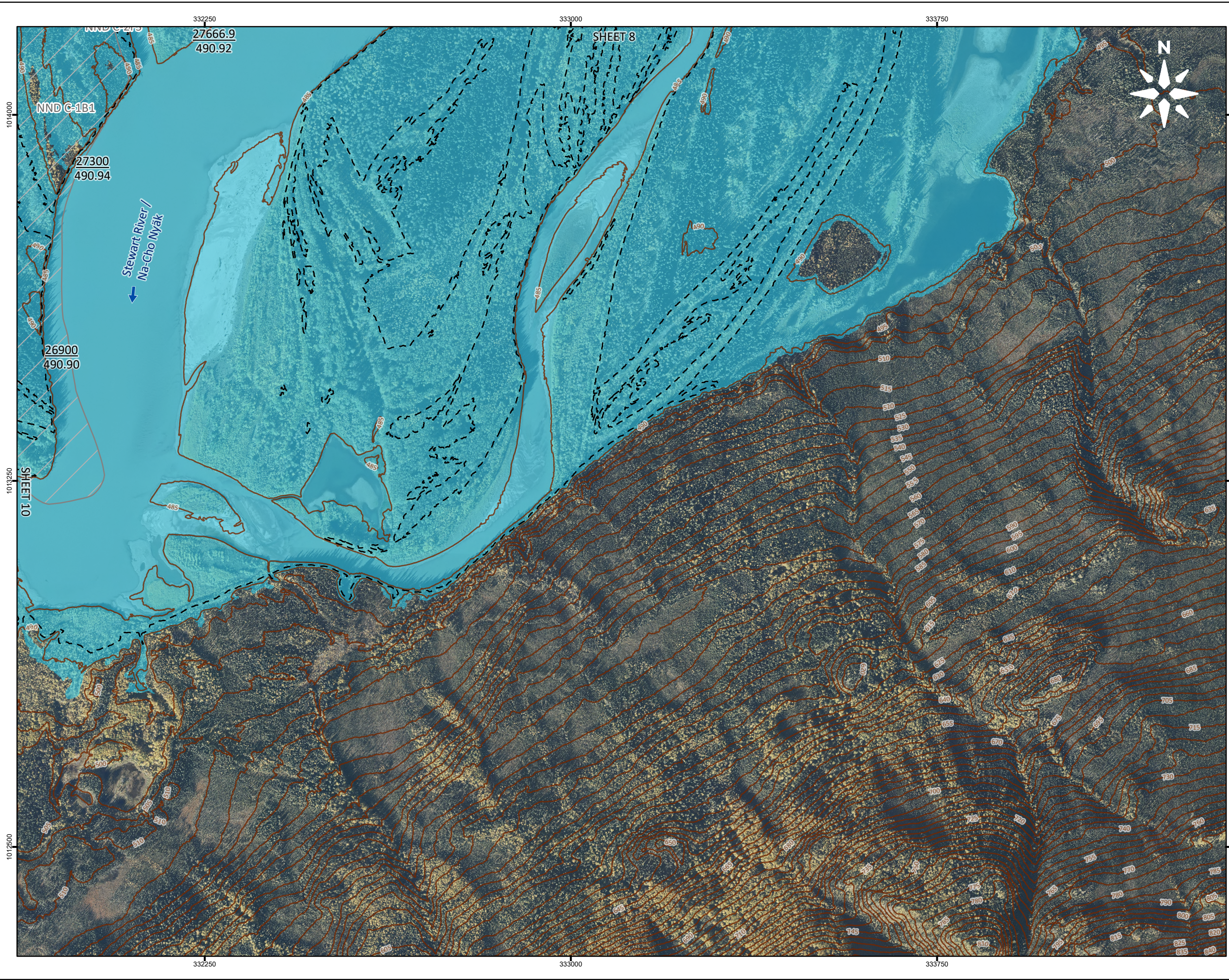
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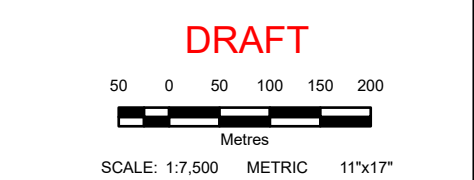
MAYO FLOOD MAPPING STUDY		
STEWART RIVER / NA-CHO NYAK OPEN WATER 0.5% ANNUAL EXCEEDANCE PROBABILITY		
MAY 2026	SHEET 8 OF 20	REV: C



LEGEND:

$\frac{21713.4}{490.32}$	River Stationing Water Surface Elevation (m)
	5 m Index Contour
	Average Annual Peak (50% AEP)
	0.5% AEP Inundation - Open Water
	First Nation Settlement Lands - Surveyed

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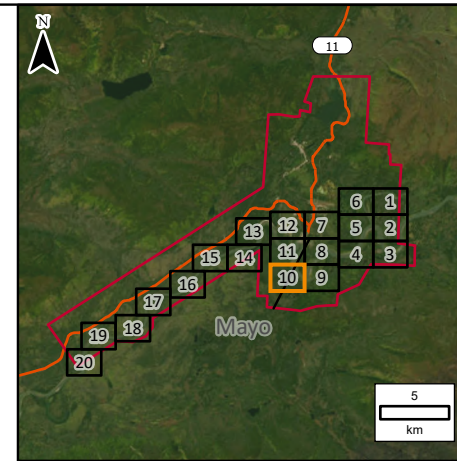
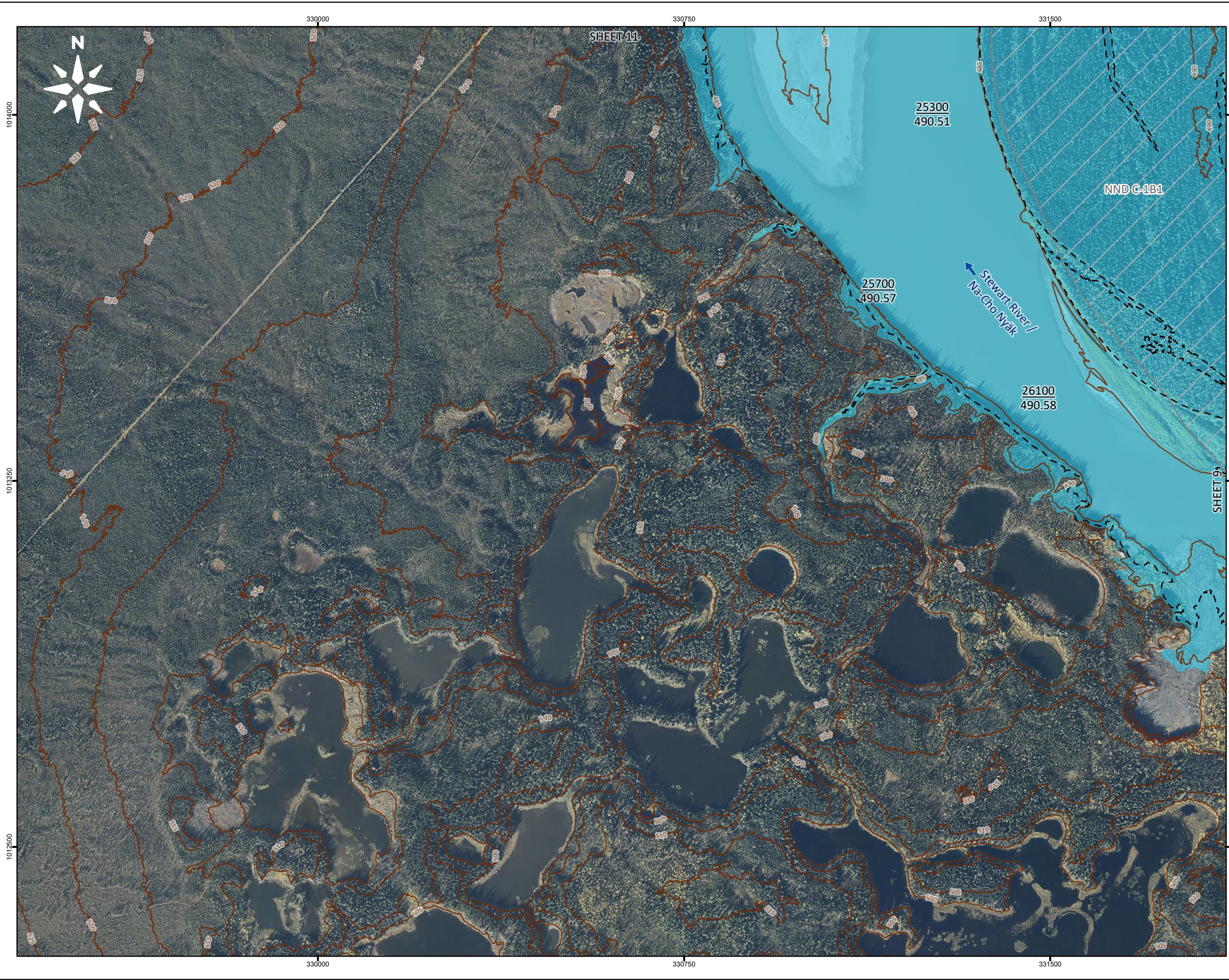


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MAYO FLOOD MAPPING STUDY	
STEWART RIVER / NA-CHO NYAK OPEN WATER 0.5% ANNUAL EXCEEDANCE PROBABILITY	
MAY 2026	SHEET 9 OF 20
	REV: C



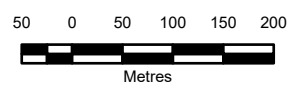
LEGEND:

- 21713.4 River Stationing
- 490.32 Water Surface Elevation (m)
- 5 m Index Contour
- - Average Annual Peak (50% AEP)
- 0.5% AEP Inundation - Open Water
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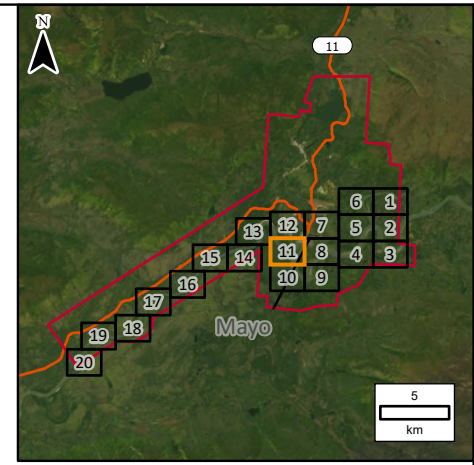
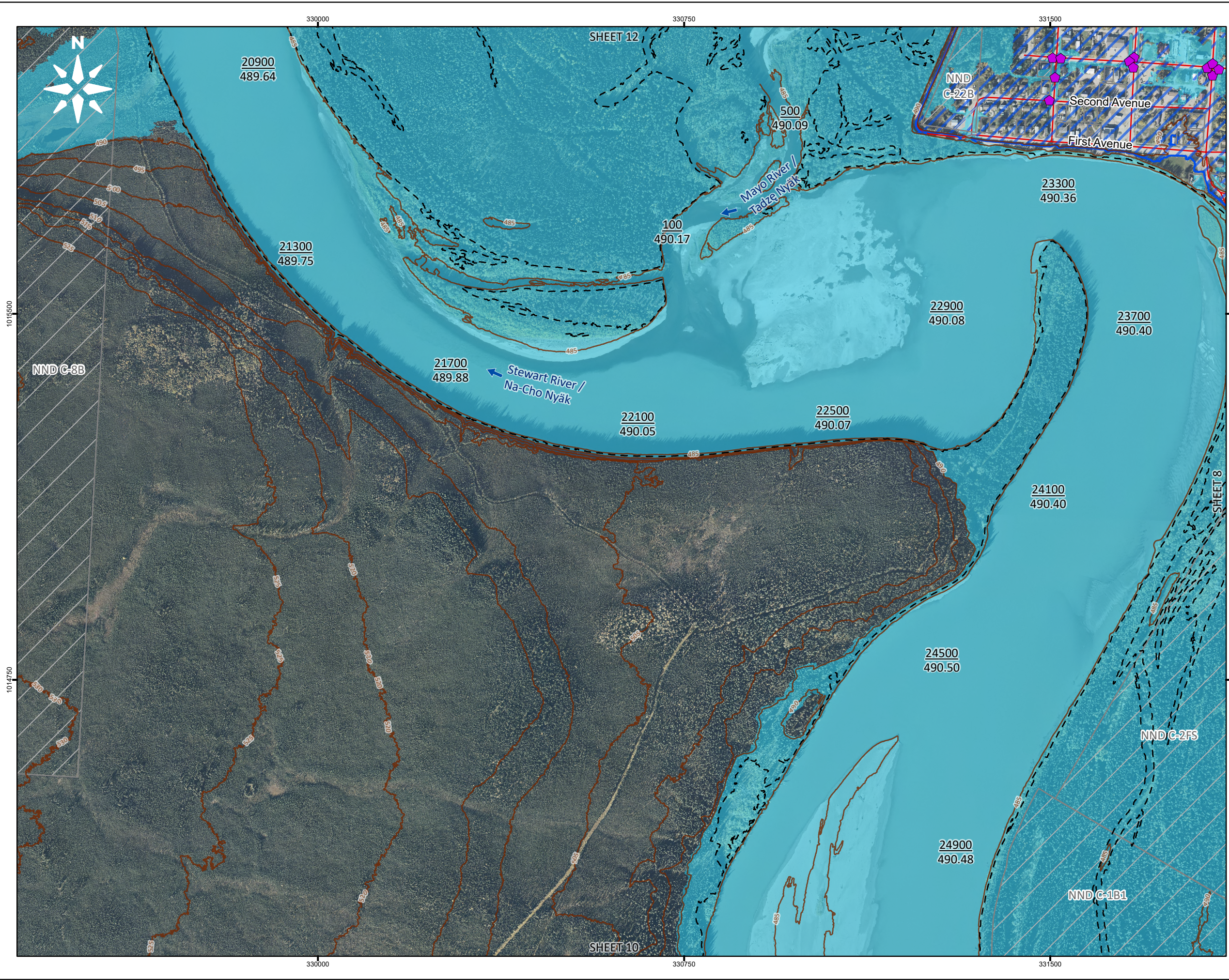


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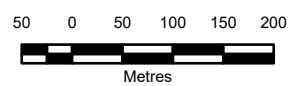
KGS GROUP	Yukon Canada
MAYO FLOOD MAPPING STUDY	
STEWART RIVER / NA-CHO NYÄK OPEN WATER 0.5% ANNUAL EXCEEDANCE PROBABILITY	
MAY 2026	SHEET 10 OF 20
	REV: C



- LEGEND:**
- 21713.4 River Stationing
 - 490.32 Water Surface Elevation (m)
 - ◆ Culvert
 - Local Road
 - 5 m Index Contour
 - - - Average Annual Peak (50% AEP)
 - 0.5% AEP Inundation - Open Water
 - ▨ Area Protected by Dike
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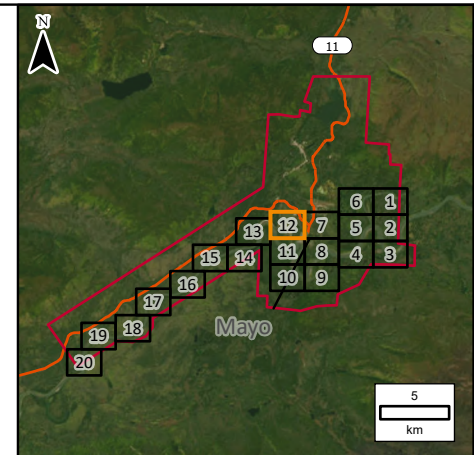
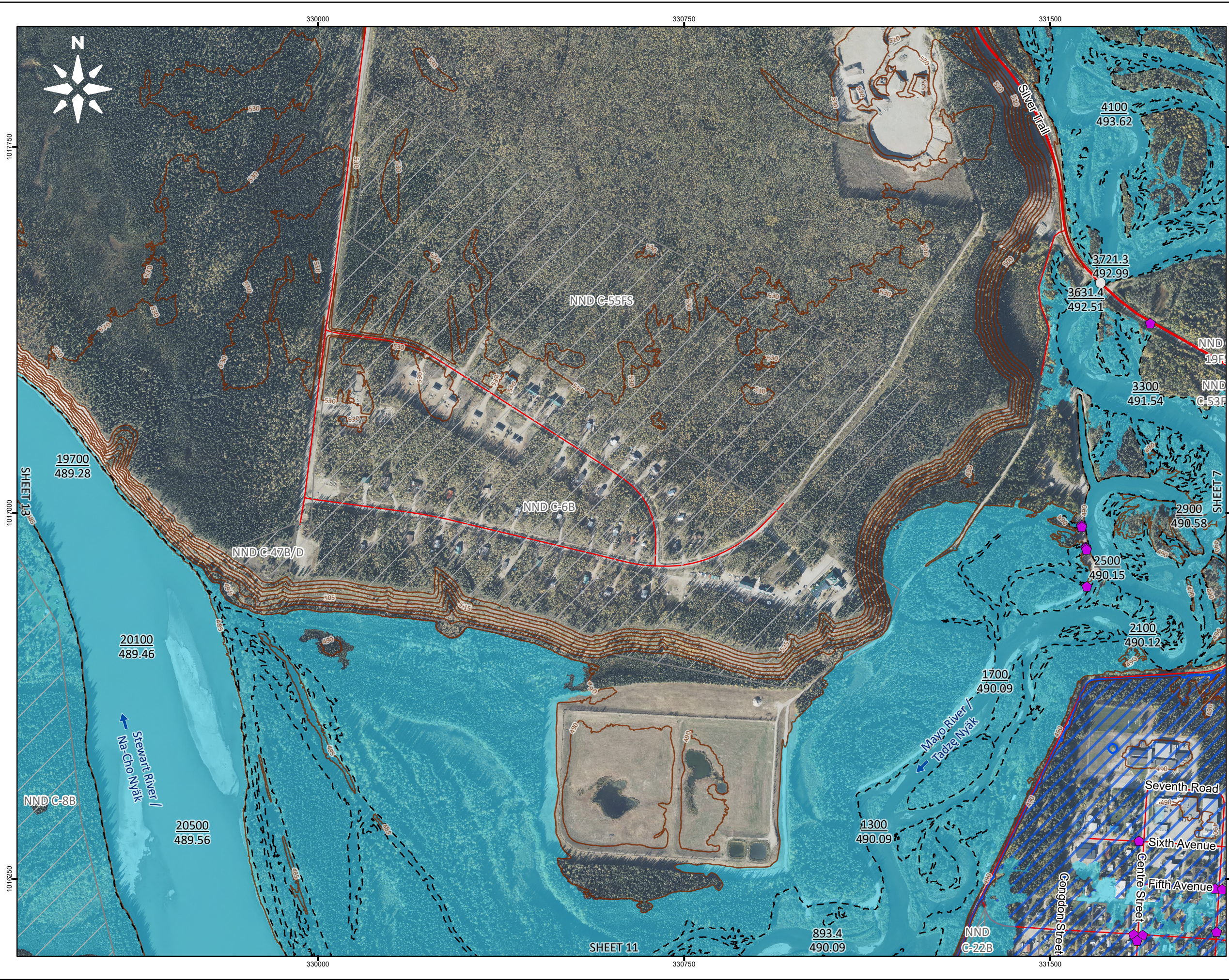


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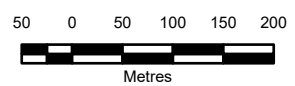
KGS GROUP	Yukon Canada
MAYO FLOOD MAPPING STUDY	
STEWART RIVER / NA-CHO NYÄK OPEN WATER 0.5% ANNUAL EXCEEDANCE PROBABILITY	
MAY 2026	SHEET 11 OF 20
	REV: C



- 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 2633.

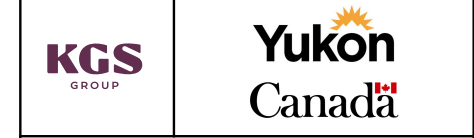
DRAFT



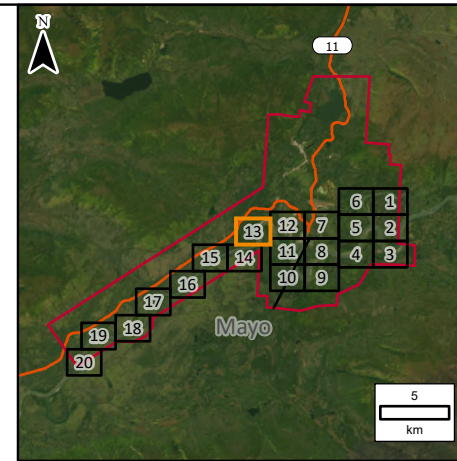
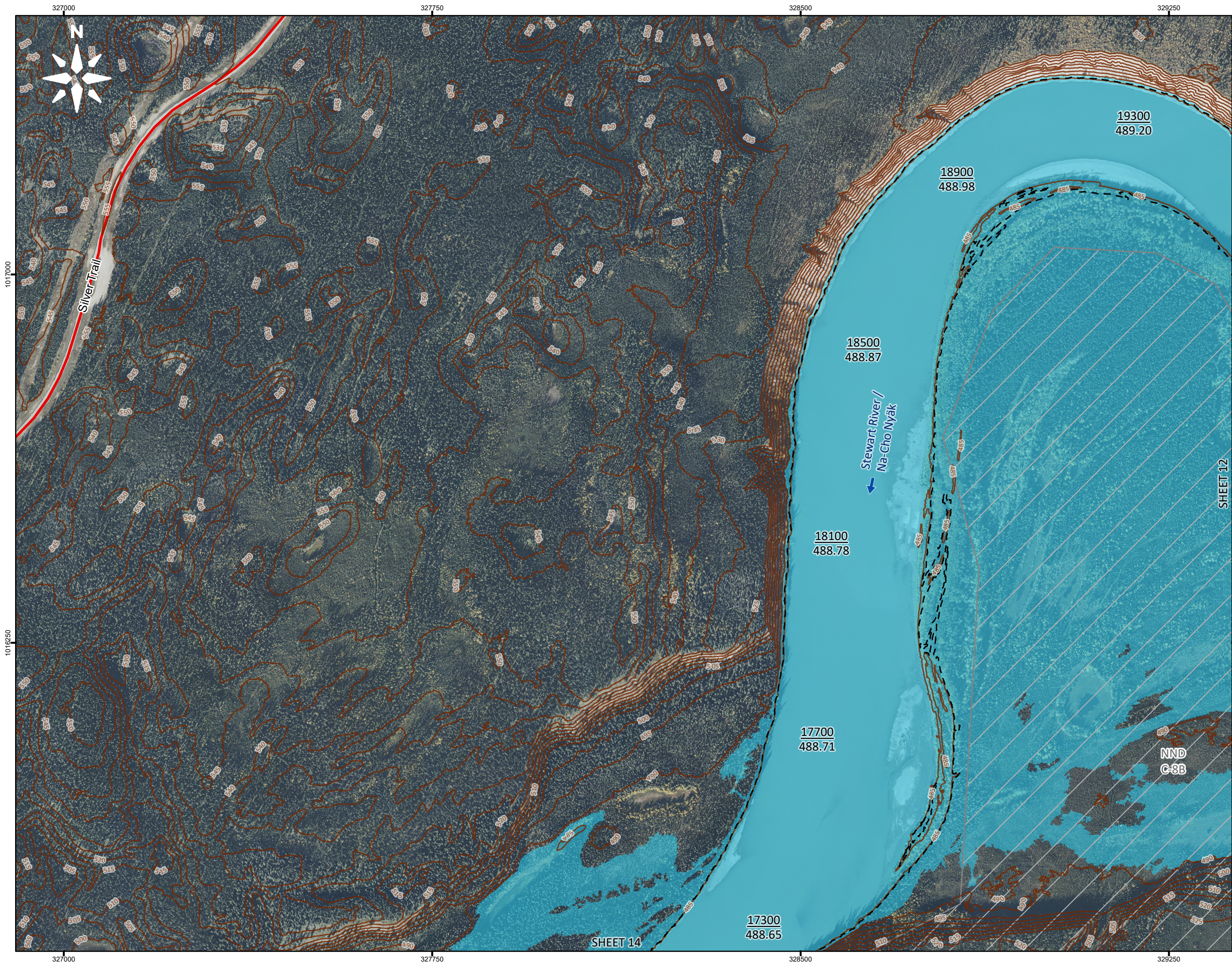
SCALE: 1:7,500 METRIC 11"x17"

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



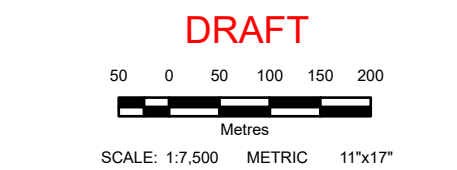
MAYO FLOOD MAPPING STUDY	
STEWART RIVER / NA-CHO NYÄK OPEN WATER 0.5% ANNUAL EXCEEDANCE PROBABILITY	
MAY 2026	SHEET 12 OF 20
	REV: C



LEGEND:

<u>21713.4</u> 490.32	River Stationing Water Surface Elevation (m)
	Major Road
	5 m Index Contour
	Average Annual Peak (50% AEP)
	0.5% AEP Inundation - Open Water
	First Nation Settlement Lands - Surveyed

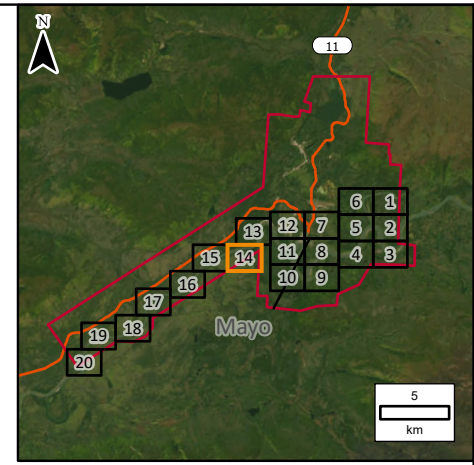
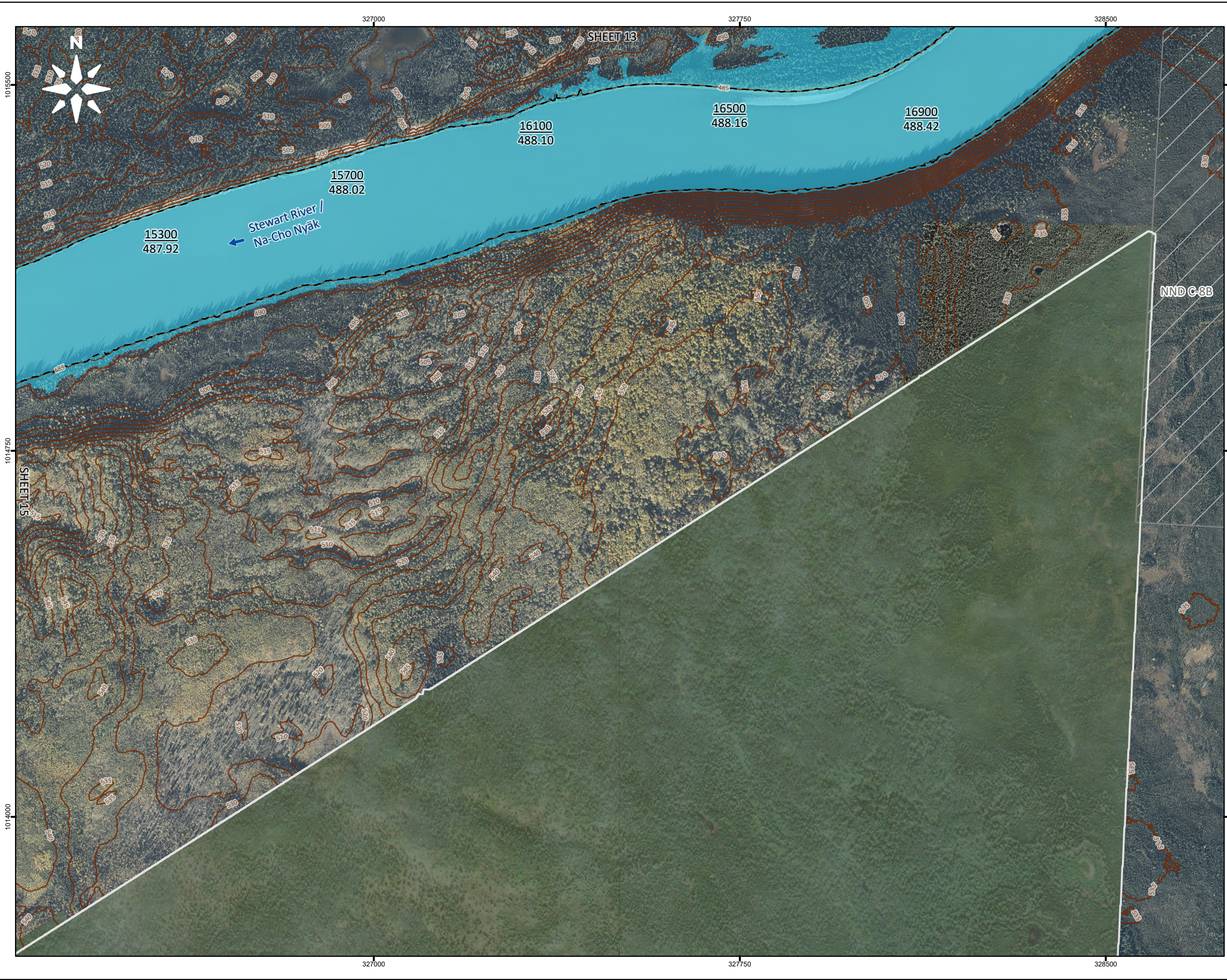
- NOTES:**
1. AEP corresponds to the Annual Exceedance Probability.
 2. This project is funded in part by the Government of Canada.
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 4. Culvert and Bridge data is a combination of data provided by the Yukon Government and crossings surveyed by KGS Group.
 5. Imagery provided by the Yukon Government, captured in 2021 and 2022. Additional imagery provided by ESRI, captured in June 2021.



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Canadian Geodetic Vertical Datum 2013 (CGVD2013).

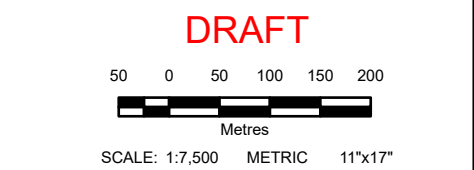
C	26/05/22	ISSUED FOR REVIEW	ALW	MAH
B	26/03/20	ISSUED FOR REVIEW	ALW	MAH
NO.	YYMMDD	DESCRIPTION	ISSUED BY	CHECK BY
REVISIONS / ISSUE				

MAYO FLOOD MAPPING STUDY	
STEWART RIVER / NA-CHO NYÄK OPEN WATER 0.5% ANNUAL EXCEEDANCE PROBABILITY	
MAY 2026	SHEET 13 OF 20
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- LEGEND:**
- 21713.4 River Stationing
 - 490.32 Water Surface Elevation (m)
 - 5 m Index Contour
 - Limit of LiDAR
 - - Average Annual Peak (50% AEP)
 - 0.5% AEP Inundation - Open Water
 - First Nation Settlement Lands - Surveyed

- NOTES:**
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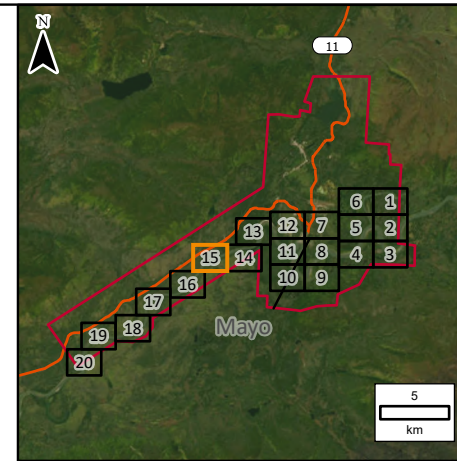
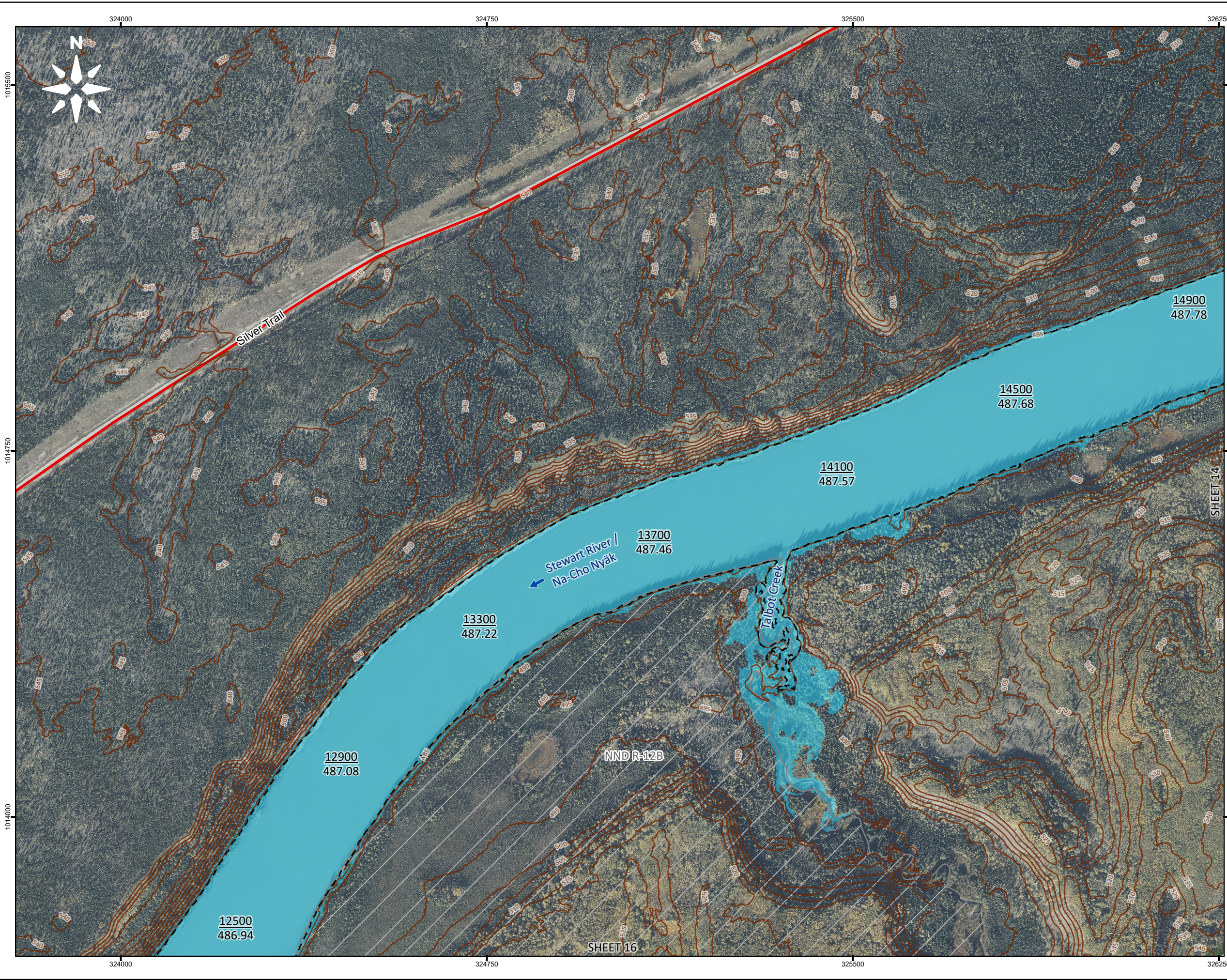
C	26/05/12	ISSUED FOR REVIEW	ALW	MAH
B	26/03/20	ISSUED FOR REVIEW	ALW	MAH
NO.	YYMMDD	DESCRIPTION	ISSUED BY	CHECK BY

REVISIONS / ISSUE

MAYO FLOOD MAPPING STUDY

STEWART RIVER / NA-CHO NYÄK
OPEN WATER 0.5%
ANNUAL EXCEEDANCE PROBABILITY

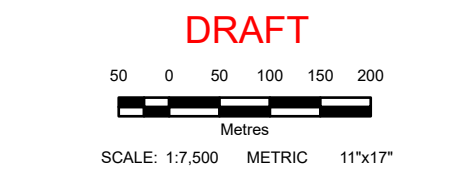
MAY 2026	SHEET 14 OF 20	REV: C
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LEGEND:

21713.4	River Stationing
490.32	Water Surface Elevation (m)
—	Major Road
—	5 m Index Contour
—	Limit of LiDAR
- -	Average Annual Peak (50% AEP)
■	0.5% AEP Inundation - Open Water
□	First Nation Settlement Lands - Surveyed

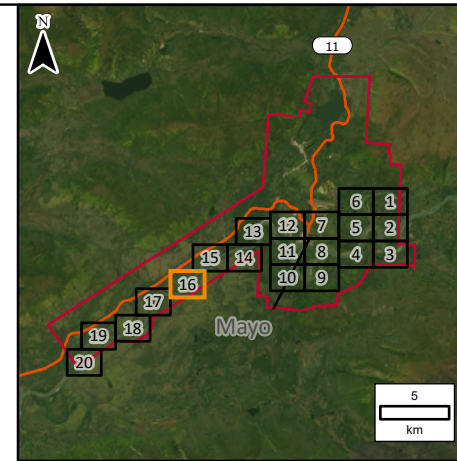
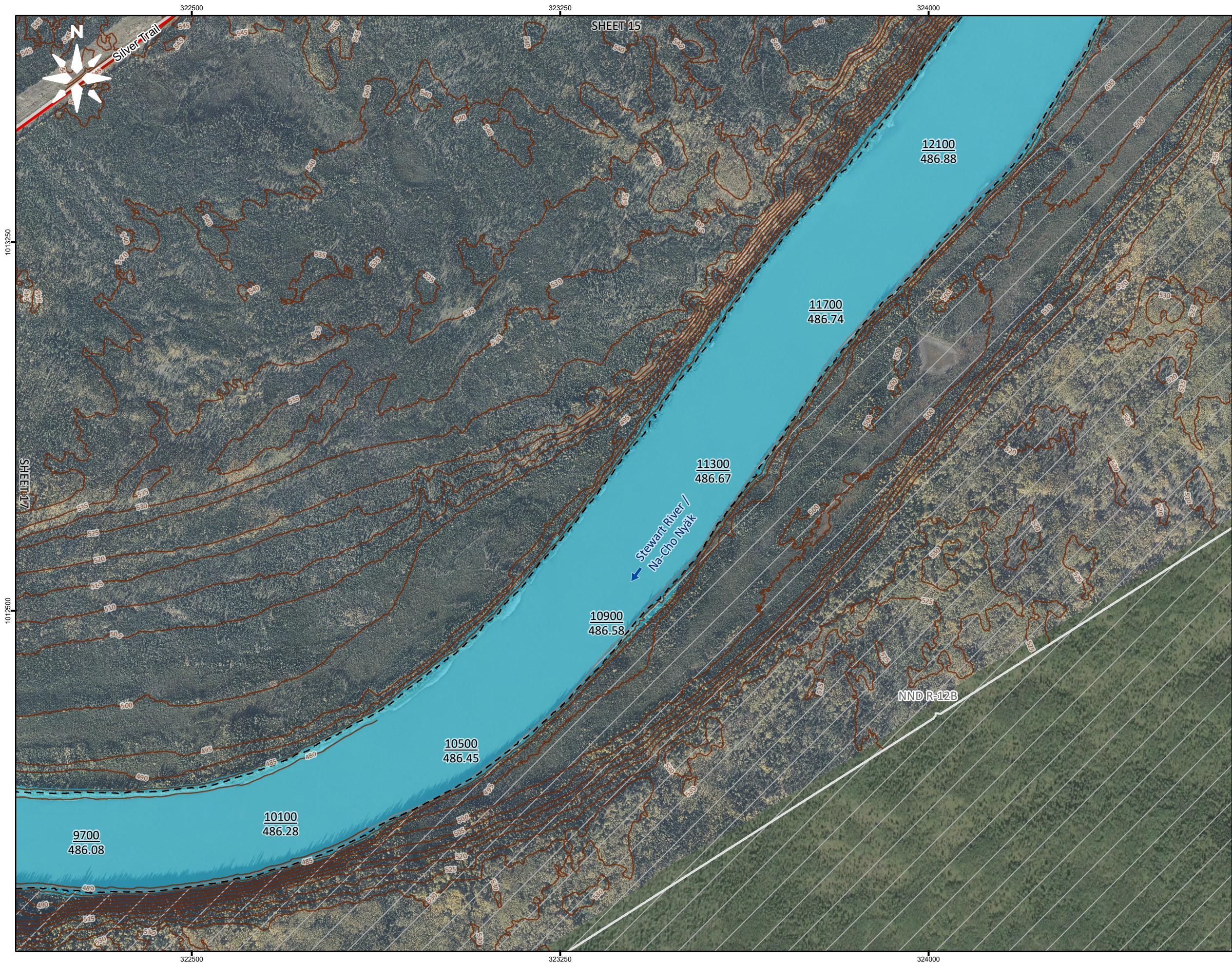
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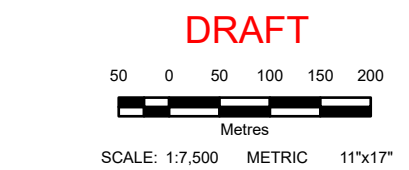
C	26/05/22	ISSUED FOR REVIEW	ALW	MAH
B	26/03/20	ISSUED FOR REVIEW	ALW	MAH
NO.	YYMMDD	DESCRIPTION	ISSUED BY	CHECK BY
REVISIONS / ISSUE				

KGS GROUP	Yukon Canada
MAYO FLOOD MAPPING STUDY	
STEWART RIVER / NA-CHO NYÄK OPEN WATER 0.5% ANNUAL EXCEEDANCE PROBABILITY	
MAY 2026	SHEET 15 OF 20
	REV: C



- 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)
 - 0.5% AEP Inundation - Open Water
 - First Nation Settlement Lands - Surveyed

- NOTES:**
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Elevations are in metres above sea level (MSL).
Canadian Geodetic Vertical Datum 2013 (CGVD2013).

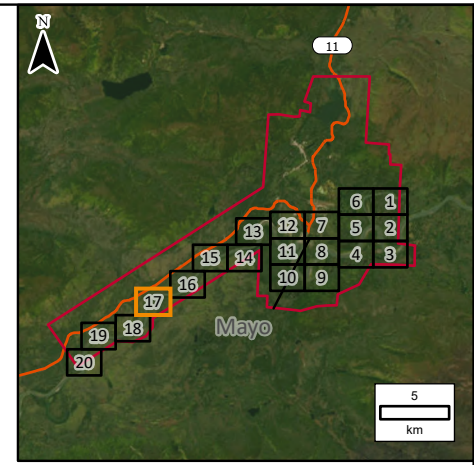
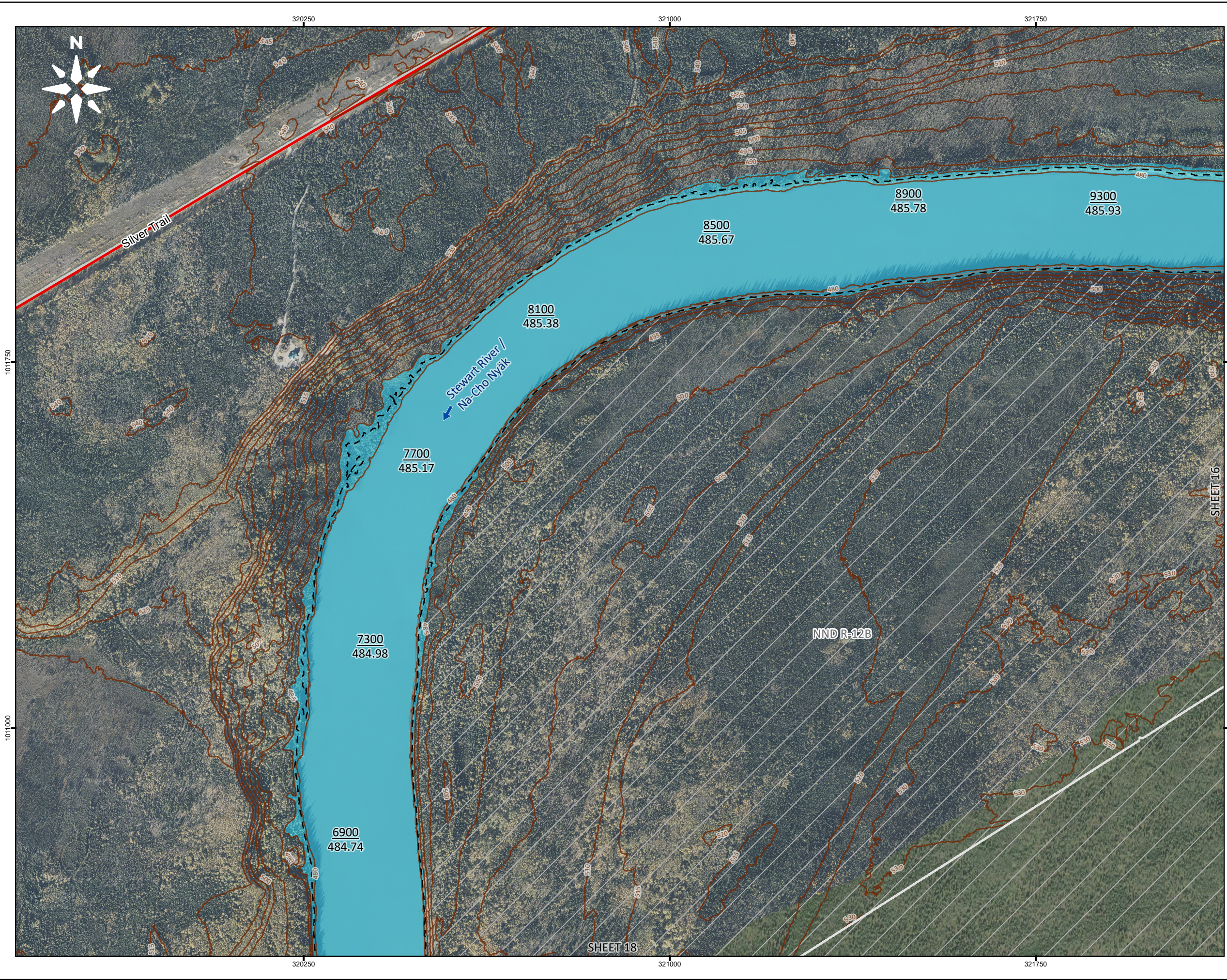
C	26/05/12	ISSUED FOR REVIEW	ALW	MAH
B	26/03/20	ISSUED FOR REVIEW	ALW	MAH
NO.	YYMMDD	DESCRIPTION	ISSUED BY	CHECK BY

REVISIONS / ISSUE

MAYO FLOOD MAPPING STUDY

STEWART RIVER / NA-CHO NYÄK
OPEN WATER 0.5%
ANNUAL EXCEEDANCE PROBABILITY

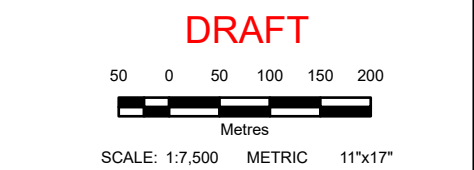
MAY 2026	SHEET 16 OF 20	REV: C
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LEGEND:

21713.4 490.32	River Stationing Water Surface Elevation (m)
	Major Road
	5 m Index Contour
	Limit of LiDAR
	Average Annual Peak (50% AEP)
	0.5% AEP Inundation - Open Water
	First Nation Settlement Lands - Surveyed

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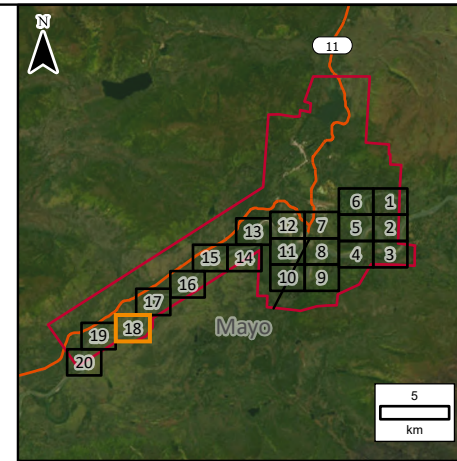
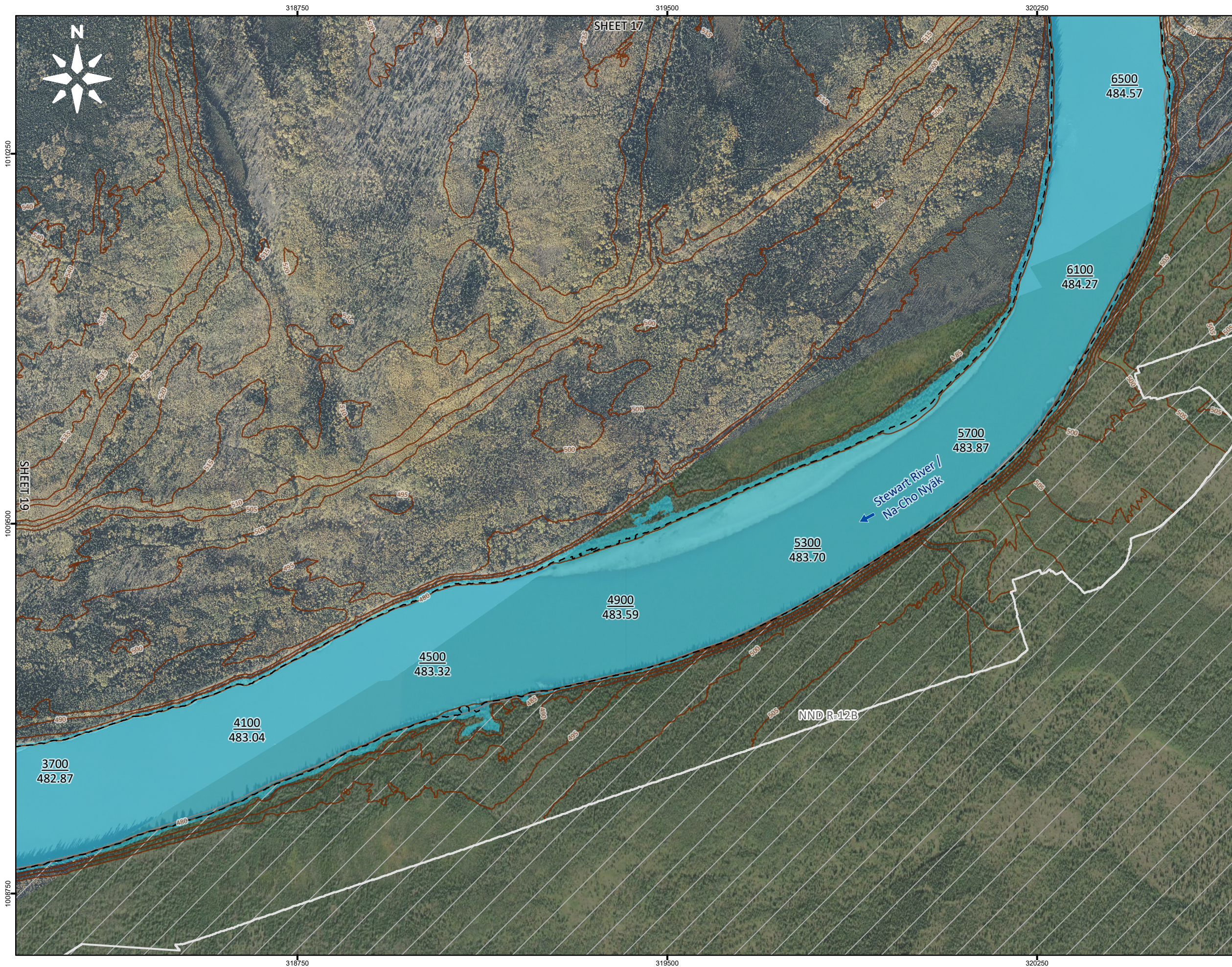


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Canadian Geodetic Vertical Datum 2013 (CGVD2013).

C	26/05/22	ISSUED FOR REVIEW	ALW	MAH
B	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 0.5% ANNUAL EXCEEDANCE PROBABILITY	
MAY 2026	SHEET 17 OF 20
	REV: C



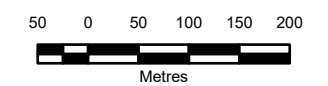
LEGEND:

- 21713.4 River Stationing
- 490.32 Water Surface Elevation (m)
- 5 m Index Contour
- Limit of LiDAR
- Average Annual Peak (50% AEP)
- 0.5% AEP Inundation - Open Water
- First Nation Settlement Lands - Surveyed

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

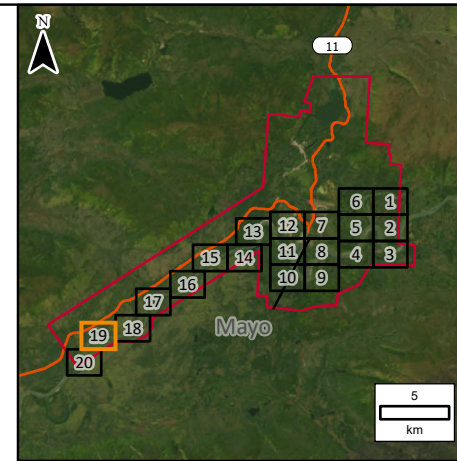
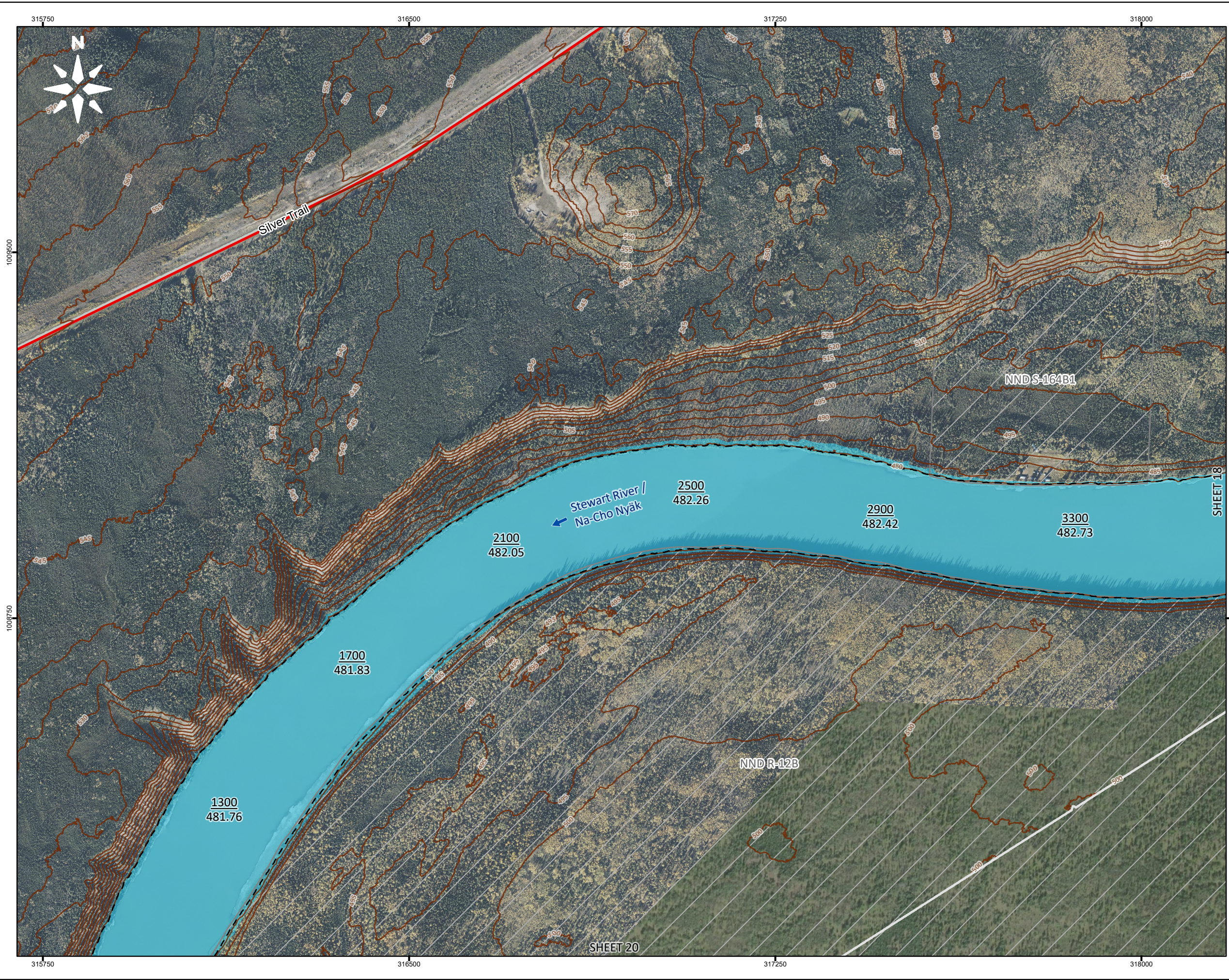
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REVISIONS / ISSUE				

KGS GROUP	Yukon Canada
MAYO FLOOD MAPPING STUDY	
STEWART RIVER / NA-CHO NYÄK OPEN WATER 0.5% ANNUAL EXCEEDANCE PROBABILITY	
MAY 2026	SHEET 18 OF 20
	REV: C

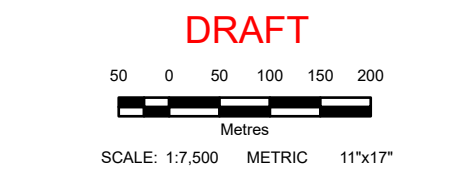
Portions of data Produced by KGS Group, under Licence with the Government of Yukon.
Contains information licensed under the Open Government Licence - Yukon.

File Name: R:\Projects\2024\24-2708-001\Design\Hyd\GIS\Data\ArcPro\Inundation Mapping.aprx, 24-2708-001-Fig4.3
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)
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 - First Nation Settlement Lands - Surveyed

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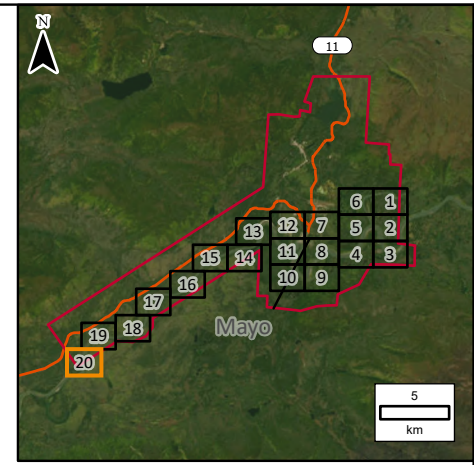
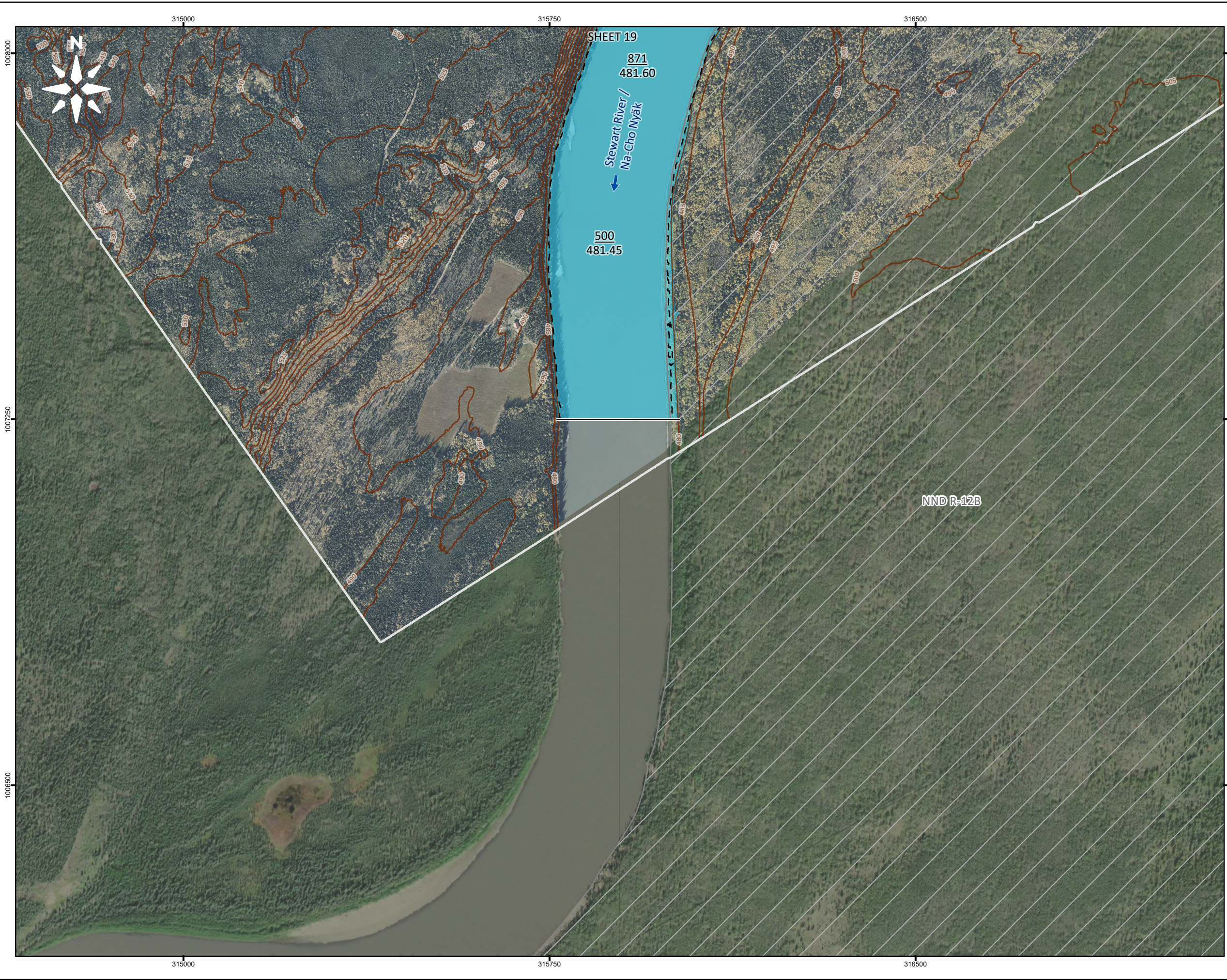
MAYO FLOOD MAPPING STUDY

STEWART RIVER / NA-CHO NYÄK

OPEN WATER 0.5%

ANNUAL EXCEEDANCE PROBABILITY

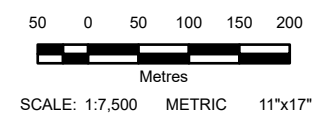
MAY 2026	SHEET 19 OF 20	REV: C
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- LEGEND:**
- 21713.4 River Stationing
 - 490.32 Water Surface Elevation (m)
 - 5 m Index Contour
 - Limit of LiDAR
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MAYO FLOOD MAPPING STUDY

**STEWART RIVER / NA-CHO NYÄK
OPEN WATER 0.5%
ANNUAL EXCEEDANCE PROBABILITY**

MAY 2026	SHEET 20 OF 20
	REV: C