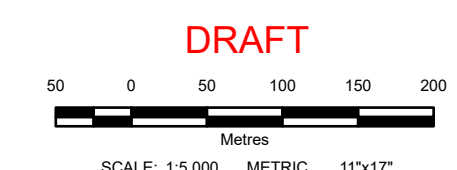


- LEGEND:**
- 21713.4  
490.32 River Stationing  
Water Surface Elevation (m)
  - Culvert
  - Local Road
  - 5 m Index Contour
  - Average Annual Peak (50% AEP)
  - 0.5% AEP Climate Change Inundation - Open Water
  - First Nation Settlement Lands - Surveyed

- NOTES:**
- AEP corresponds to the Annual Exceedance Probability.
  - This project is funded in part by the Government of Canada.
  - 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.
  - Culvert and Bridge data is a combination of data provided by the Yukon Government and crossings surveyed by KGS Group.
  - Imagery provided by the Yukon Government, captured in 2021 and 2022. Additional imagery provided by ESRI, captured in June 2021.
  - 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 3294.



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).

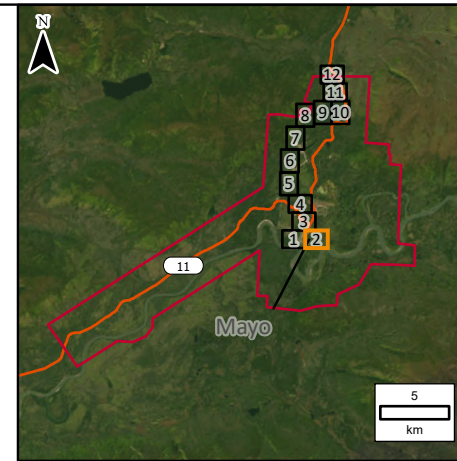
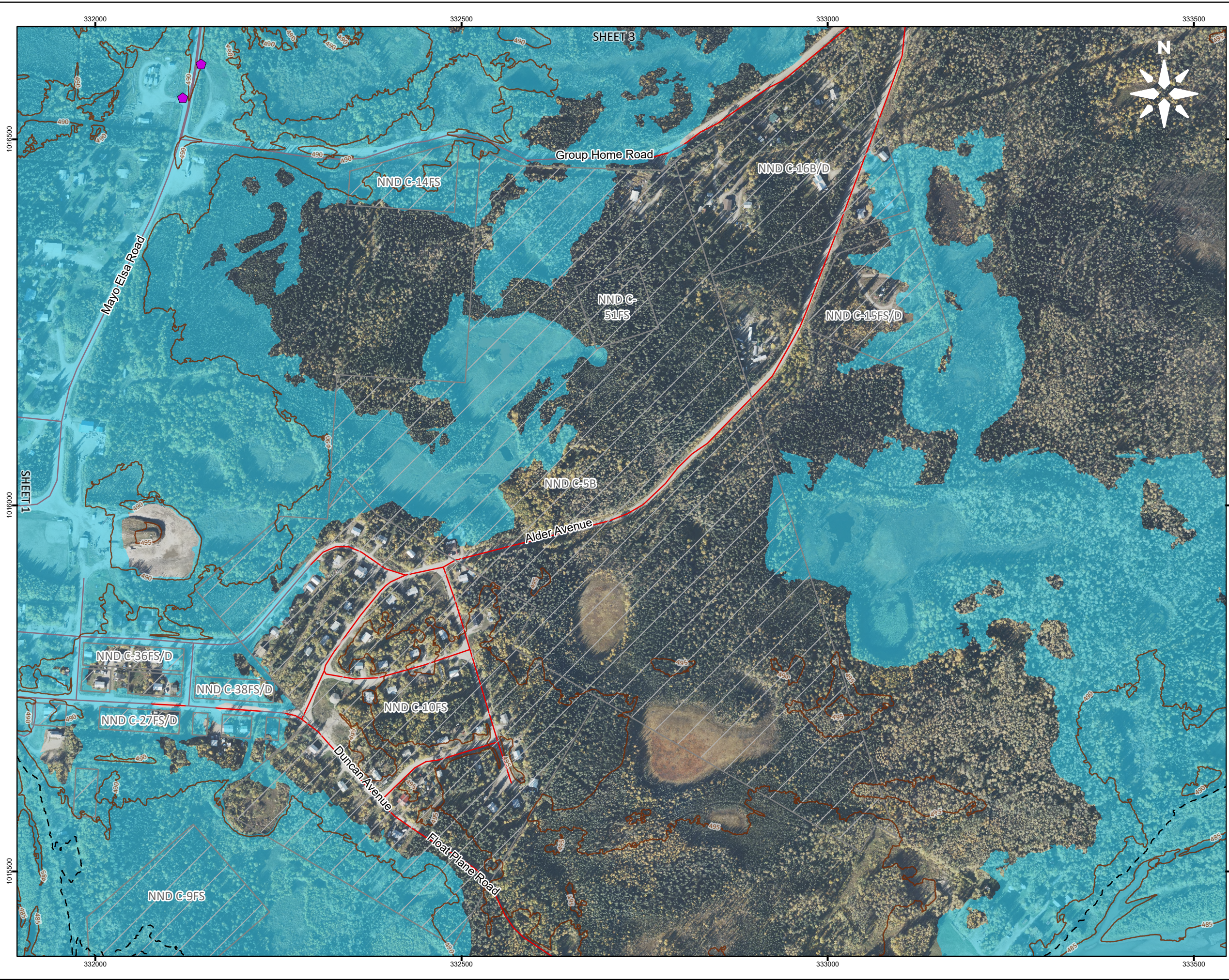
NO.	YYMMDD	DESCRIPTION	ISSUED BY	CHECK BY
B	26/05/12	ISSUED FOR REVIEW	ALW	MAH
A	26/03/20	ISSUED FOR REVIEW	ALW	MAH

REVISIONS / ISSUE

**MAYO FLOOD MAPPING STUDY**

**MAYO RIVER / TADZE NYAK  
CLIMATE CHANGE - OPEN WATER 0.5%  
ANNUAL EXCEEDANCE PROBABILITY**

MAY 2026	SHEET 1 OF 12	REV: B
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- LEGEND:**
- Culvert
  - Major Road
  - Local Road
  - 5 m Index Contour
  - Average Annual Peak (50% AEP)
  - 0.5% AEP Climate Change 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.
  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 3294.

**DRAFT**

50 0 50 100 150 200  
Metres  
SCALE: 1:5,000 METRIC 11"x17"

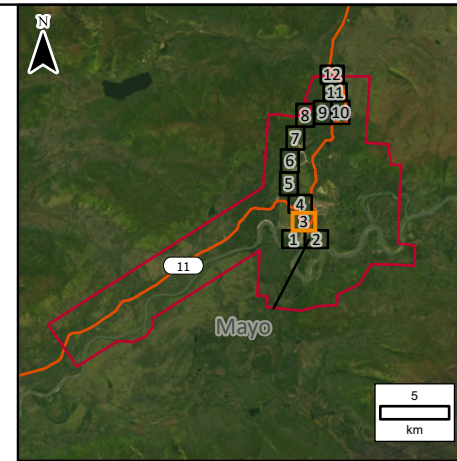
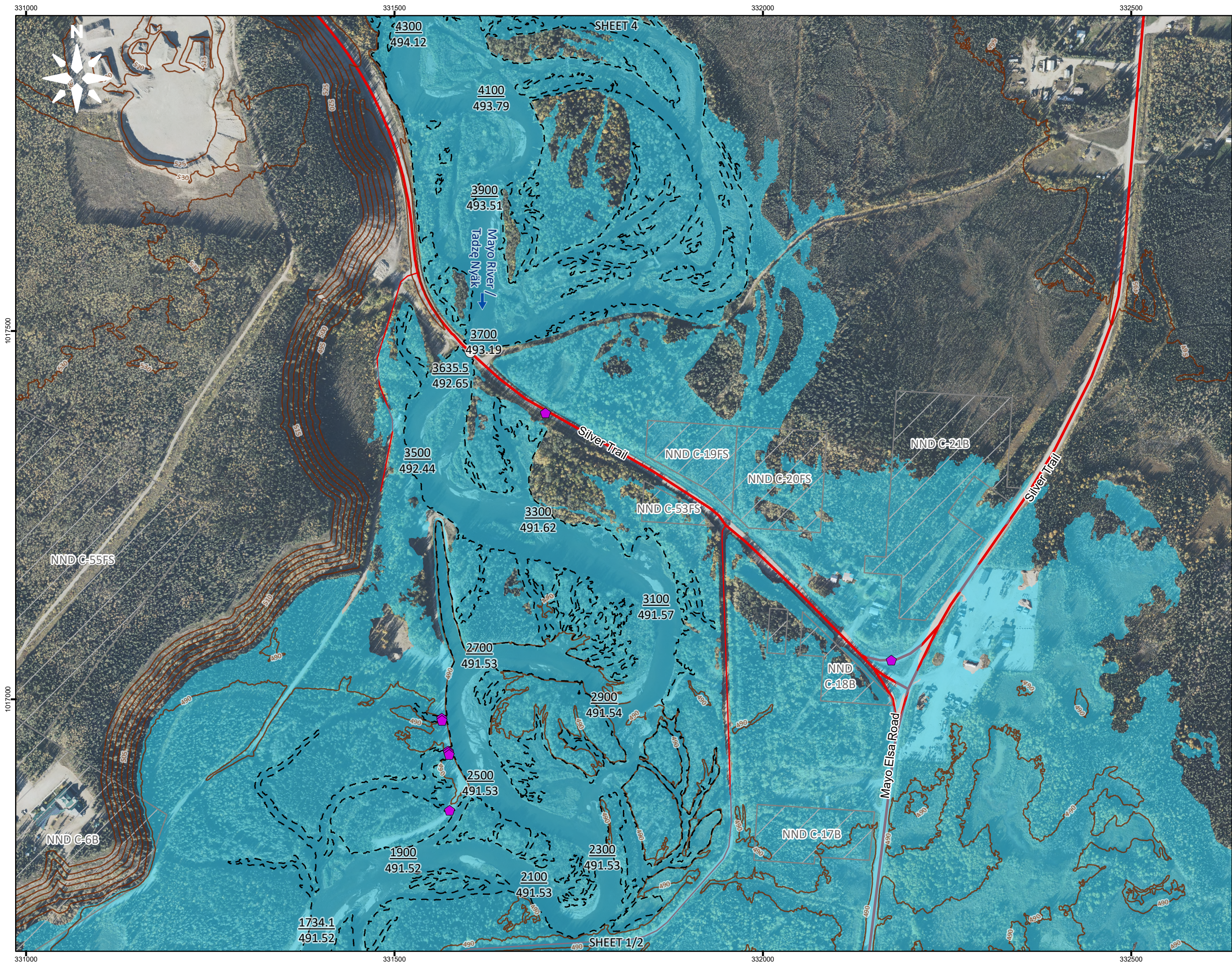
All units are metric and in metres unless otherwise specified. Transverse Mercator Projection, NAD83 Yukon Albers CSRS. Elevations are in metres above sea level (MSL). Canadian Geodetic Vertical Datum 2013 (CGVD2013).

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**

**MAYO RIVER / TADZE NYÁK  
CLIMATE CHANGE - OPEN WATER 0.5%  
ANNUAL EXCEEDANCE PROBABILITY**

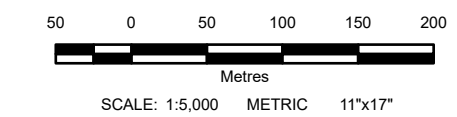
MAY 2026	SHEET 2 OF 12	REV: B
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- LEGEND:**
- 21713.4 River Stationing
  - 490.32 Water Surface Elevation (m)
  - Bridge
  - Culvert
  - Major Road
  - Local Road
  - 5 m Index Contour
  - Average Annual Peak (50% AEP)
  - 0.5% AEP Climate Change Inundation - 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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**DRAFT**



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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).

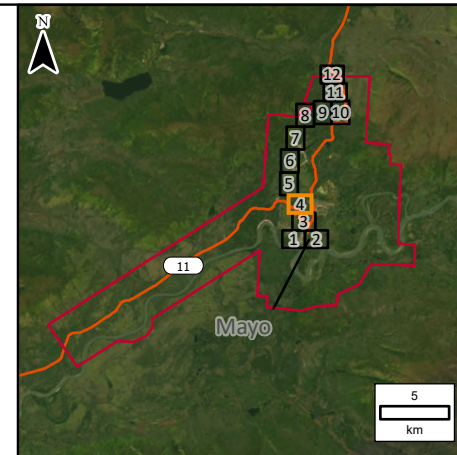
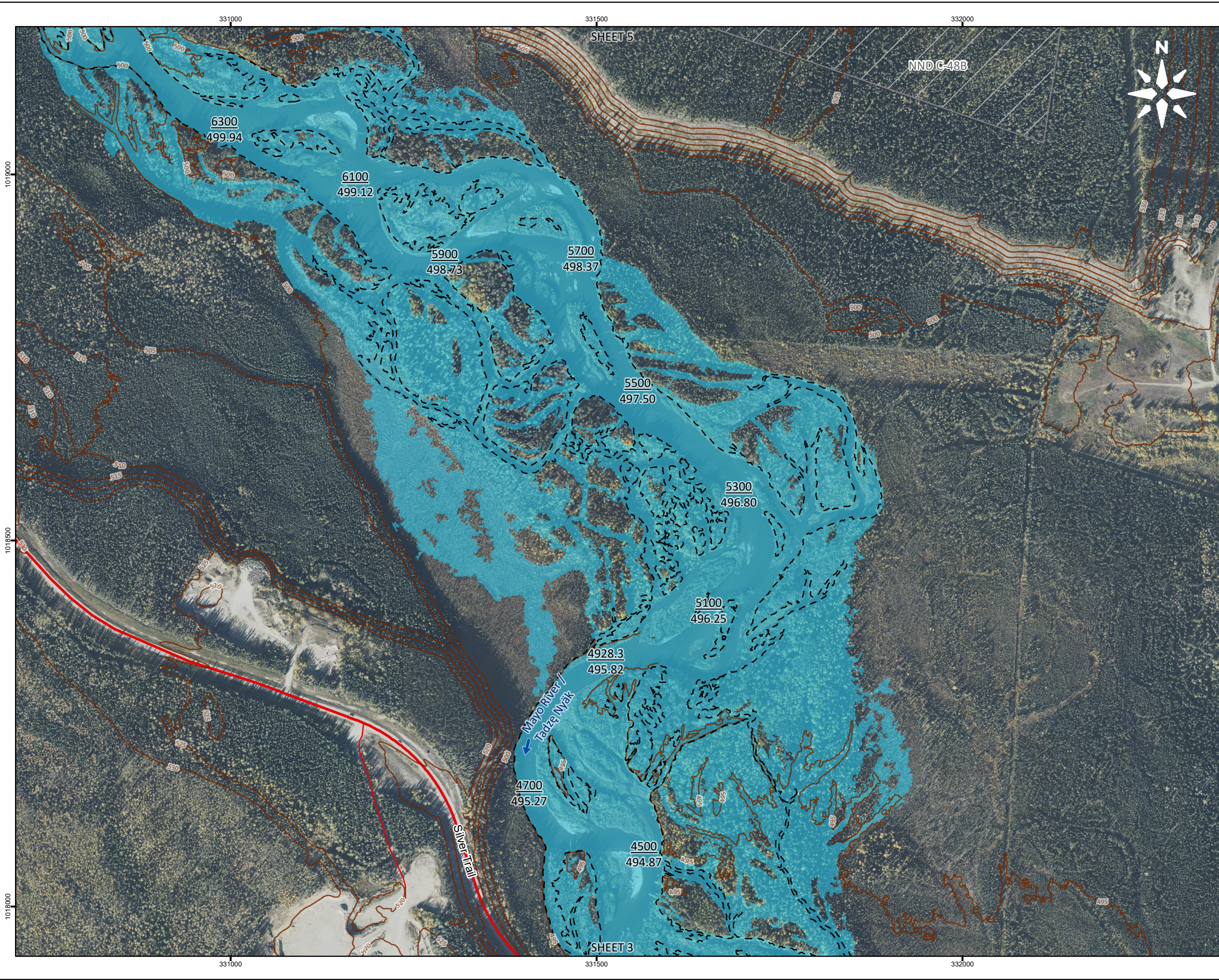
B	26/05/12	ISSUED FOR REVIEW	ALW	MAH
A	26/03/20	ISSUED FOR REVIEW	ALW	MAH
NO	YYMMDD	DESCRIPTION	ISSUED BY	CHECK BY

REVISIONS / ISSUE

**MAYO FLOOD MAPPING STUDY**

**MAYO RIVER / TADZE NYAK  
CLIMATE CHANGE - OPEN WATER 0.5%  
ANNUAL EXCEEDANCE PROBABILITY**

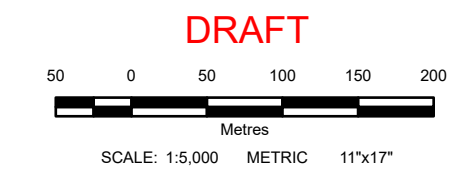
MAY 2026	SHEET 3 OF 12
	REV: B



**LEGEND:**

21713.4	River Stationing
490.32	Water Surface Elevation (m)
	Major Road
	Local Road
	5 m Index Contour
	Average Annual Peak (50% AEP)
	0.5% AEP Climate Change 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.
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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).

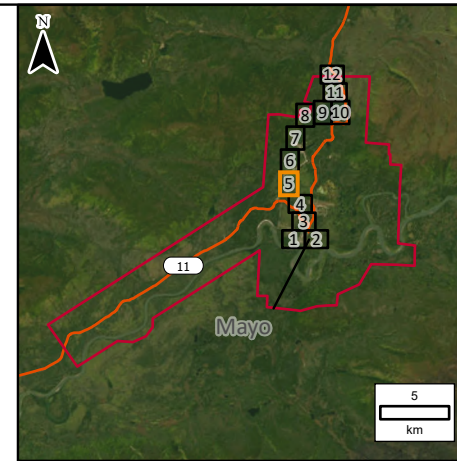
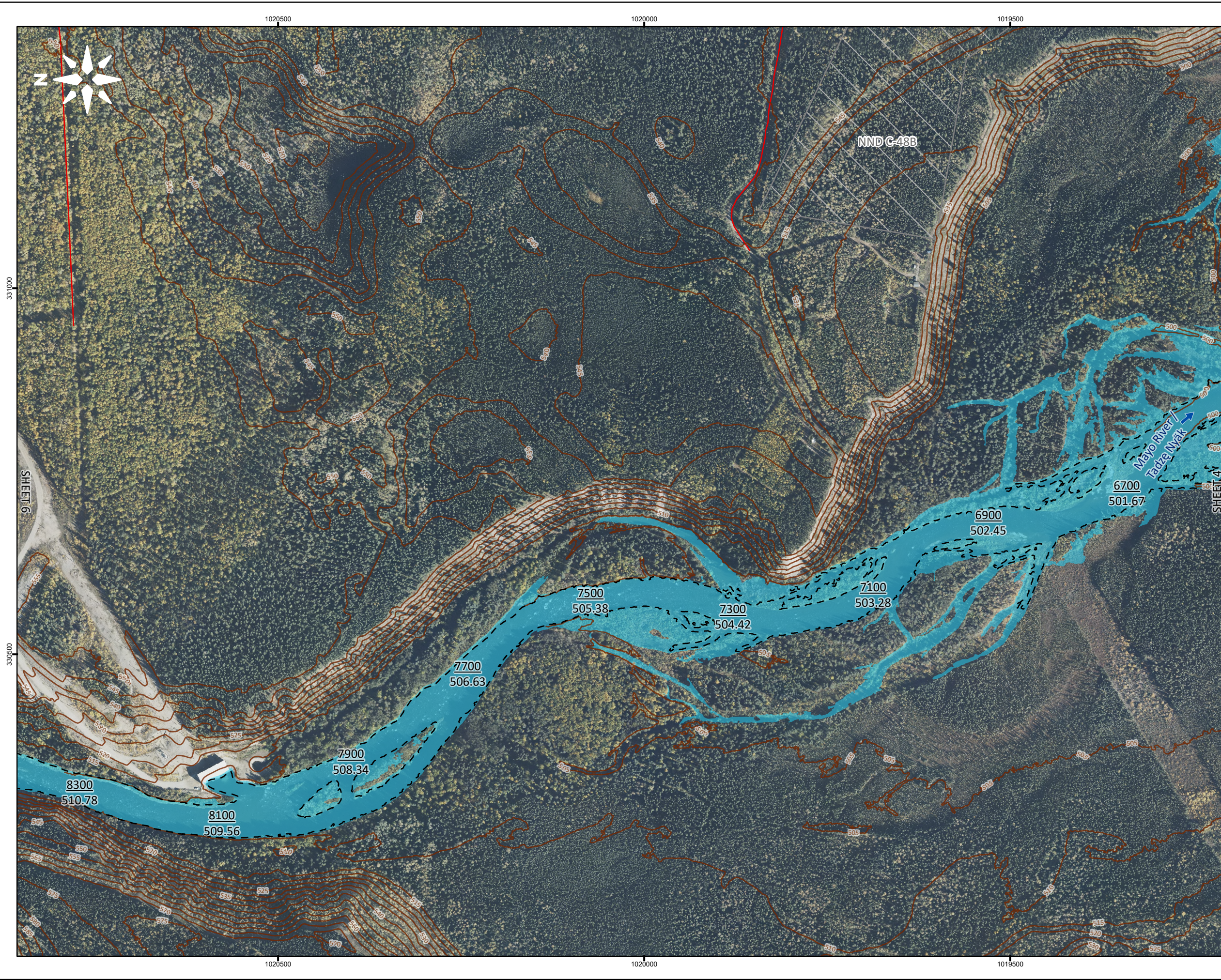
B	26/05/12	ISSUED FOR REVIEW	ALW	MAH
A	26/03/20	ISSUED FOR REVIEW	ALW	MAH
NO.	YYMMDD	DESCRIPTION	ISSUED BY	CHECK BY

REVISIONS / ISSUE

**MAYO FLOOD MAPPING STUDY**

**MAYO RIVER / TADZE NYAK  
CLIMATE CHANGE - OPEN WATER 0.5%  
ANNUAL EXCEEDANCE PROBABILITY**

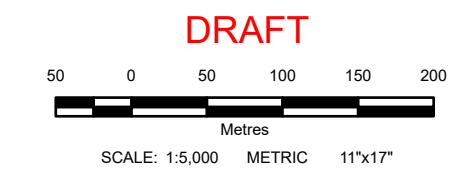
MAY 2026	SHEET 4 OF 12	REV: B
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**LEGEND:**

21713.4	River Stationing
490.32	Water Surface Elevation (m)
	Local Road
	5 m Index Contour
	Average Annual Peak (50% AEP)
	0.5% AEP Climate Change 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.

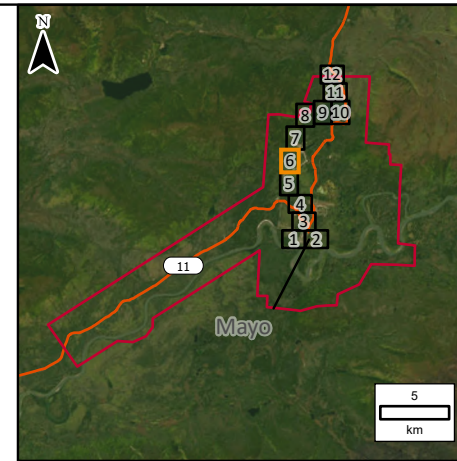
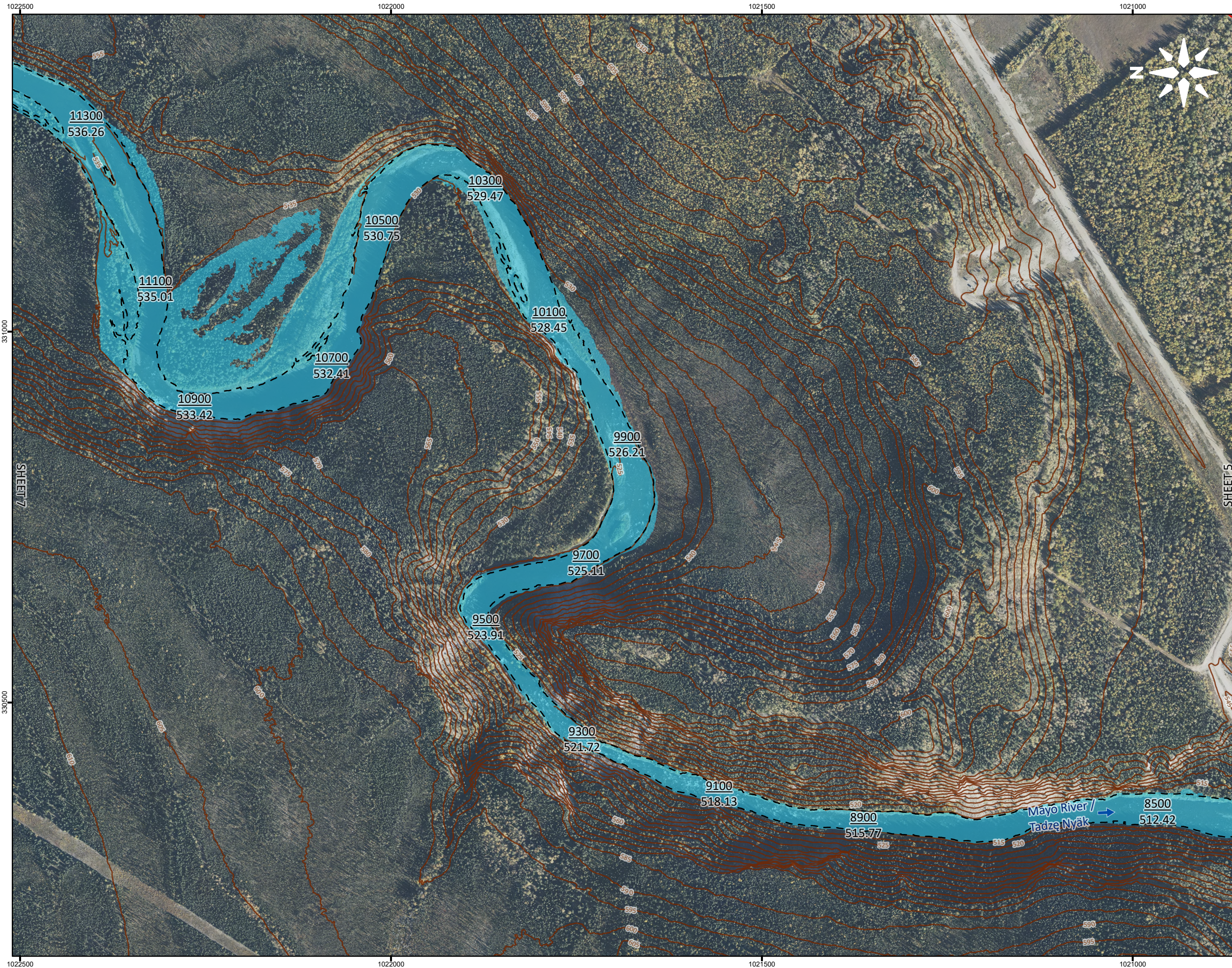


All units are metric and in metres unless otherwise specified.  
Transverse Mercator Projection, NAD83 Yukon Albers CSRS.  
Elevations are in metres above sea level (MSL).  
Canadian Geodetic Vertical Datum 2013 (CGVD2013).

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>MAYO FLOOD MAPPING STUDY</b>	
<b>MAYO RIVER / TADZE NYAK CLIMATE CHANGE - OPEN WATER 0.5% ANNUAL EXCEEDANCE PROBABILITY</b>	
MAY 2026	SHEET 5 OF 12
	REV: B



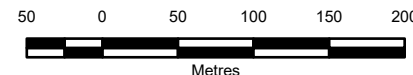
**LEGEND:**

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

**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**

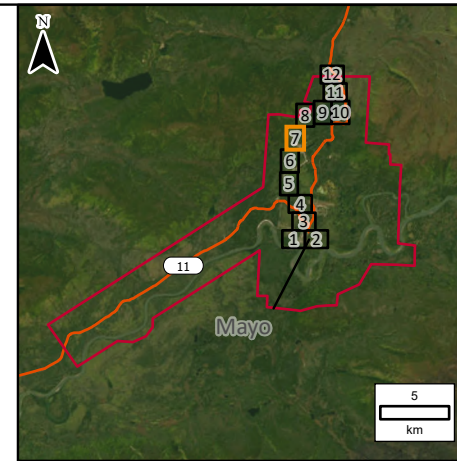


SCALE: 1:5,000 METRIC 11"x17"

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

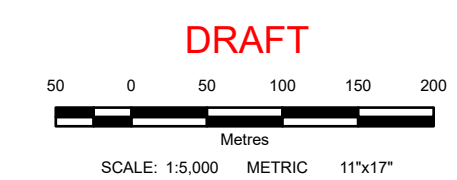
REVISIONS / ISSUE	
<b>KGS GROUP</b>	<b>Yukon Canada</b>
MAYO FLOOD MAPPING STUDY	
MAYO RIVER / TADZE NYAK CLIMATE CHANGE - OPEN WATER 0.5% ANNUAL EXCEEDANCE PROBABILITY	
MAY 2026	SHEET 6 OF 12
	REV: B



**LEGEND:**

21713.4	River Stationing
490.32	Water Surface Elevation (m)
	Local Road
	5 m Index Contour
	Limit of Model
	Limit of Mapping
	Average Annual Peak (50% AEP)
	0.5% AEP Climate Change Inundation - Open Water

- 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.

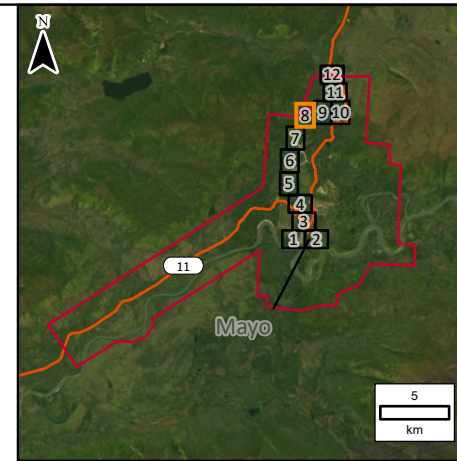
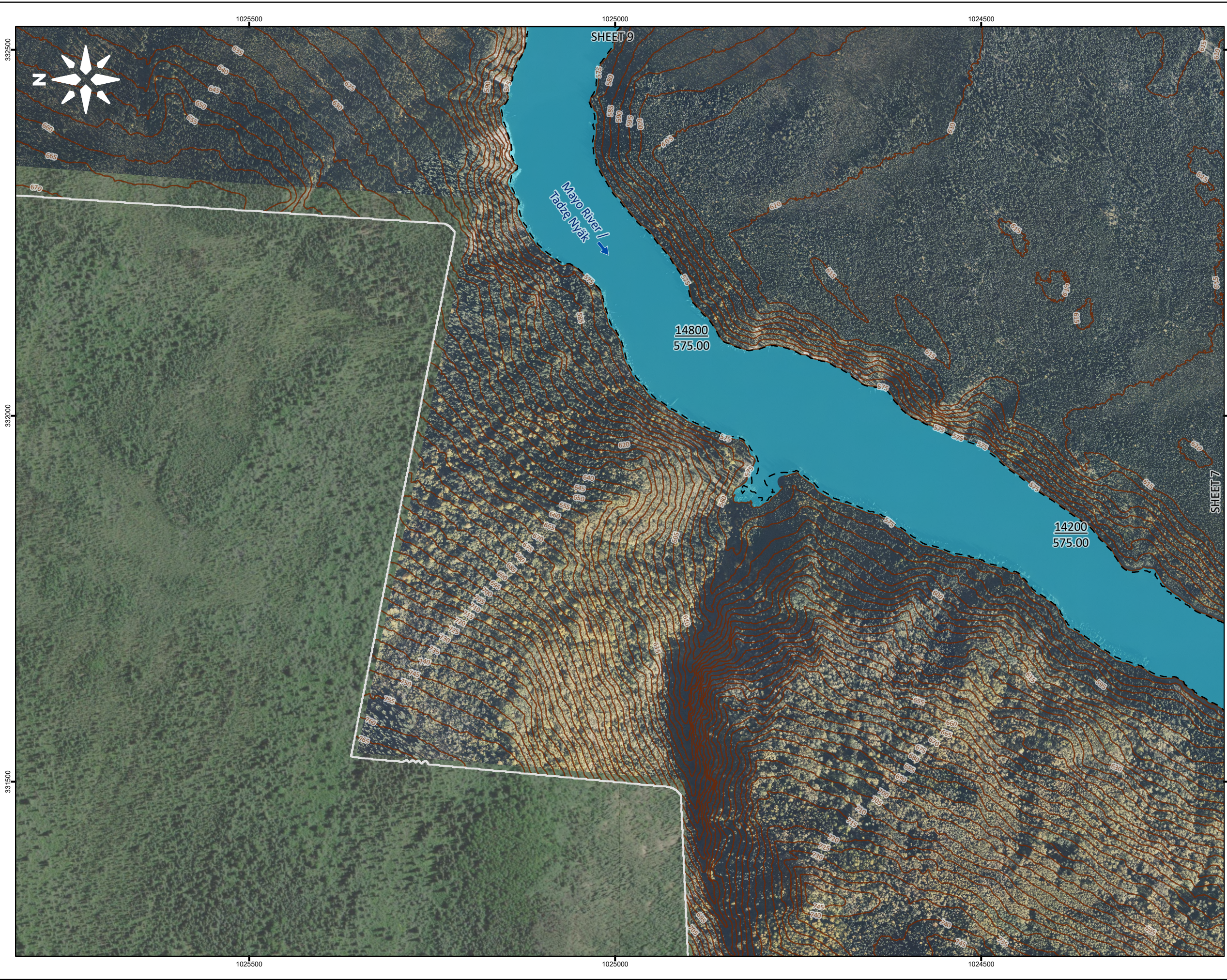


All units are metric and in metres unless otherwise specified.  
 Transverse Mercator Projection, NAD83 Yukon Albers CSRS.  
 Elevations are in metres above sea level (MSL).  
 Canadian Geodetic Vertical Datum 2013 (CGVD2013).

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>MAYO FLOOD MAPPING STUDY</b>	
<b>MAYO RIVER / TADZE NYAK CLIMATE CHANGE - OPEN WATER 0.5% ANNUAL EXCEEDANCE PROBABILITY</b>	
MAY 2026	SHEET 7 OF 12
	REV: B



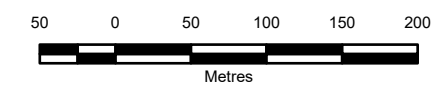
**LEGEND:**

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

**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.

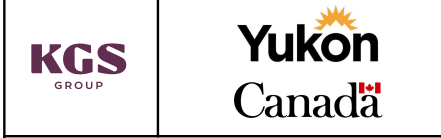
**DRAFT**



SCALE: 1:5,000 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).

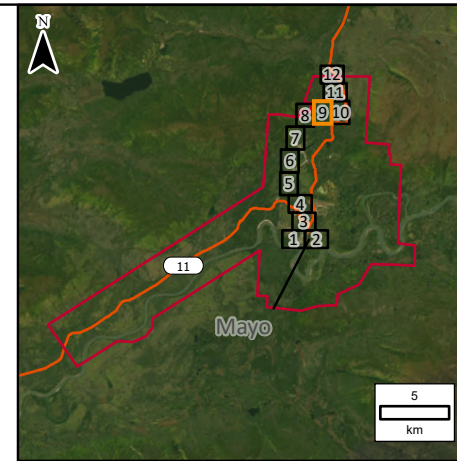
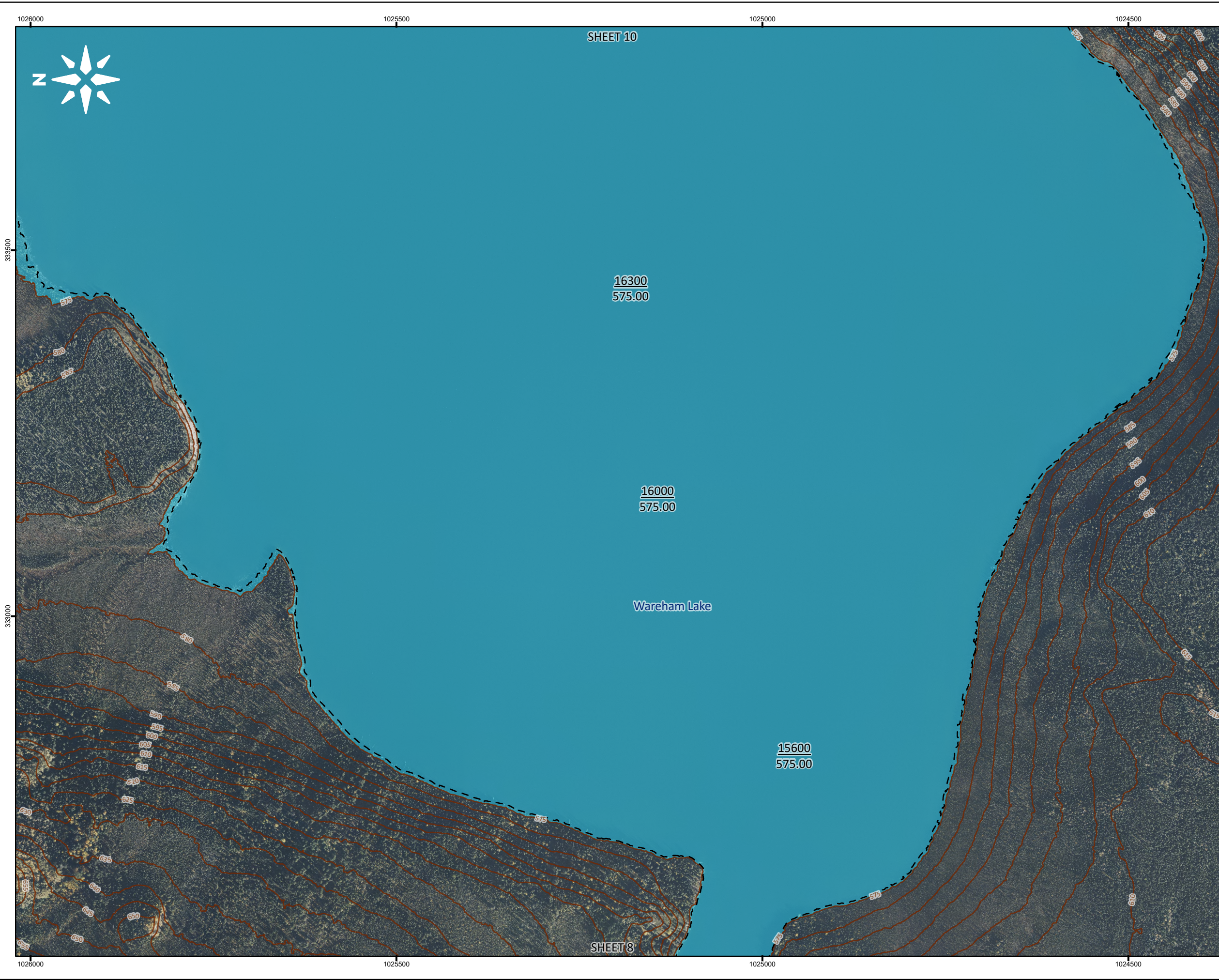
B	26/05/12	ISSUED FOR REVIEW	ALW	MAH
A	26/03/20	ISSUED FOR REVIEW	ALW	MAH
NO.	YYMMDD	DESCRIPTION	ISSUED BY	CHECK BY
REVISIONS / ISSUE				



**MAYO FLOOD MAPPING STUDY**

**MAYO RIVER / TADZE NYAK  
CLIMATE CHANGE - OPEN WATER 0.5%  
ANNUAL EXCEEDANCE PROBABILITY**

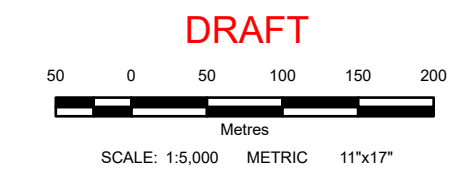
MAY 2026	SHEET 8 OF 12	REV: B
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**LEGEND:**

<span style="color: blue;">21713.4</span>	River Stationing
<span style="color: blue;">490.32</span>	Water Surface Elevation (m)
<span style="color: brown;">—</span>	5 m Index Contour
<span style="color: black;">- -</span>	Average Annual Peak (50% AEP)
<span style="color: cyan;">■</span>	0.5% AEP Climate Change Inundation - Open Water

- 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.
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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

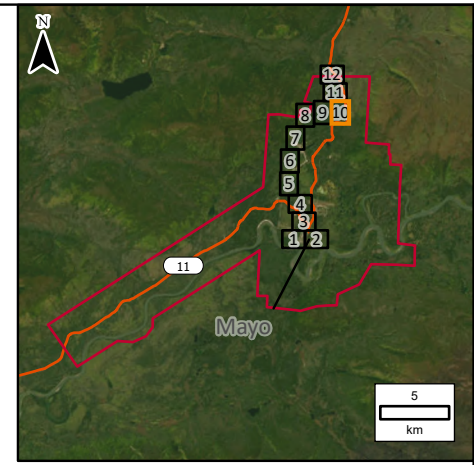
MAYO FLOOD MAPPING STUDY

MAYO RIVER / TADZE NYAK  
CLIMATE CHANGE - OPEN WATER 0.5% ANNUAL EXCEEDANCE PROBABILITY

MAY 2026	SHEET 9 OF 12	REV: B
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File Name: R:\Projects\2024\24-2708-001\Design\Hyd\GIS\Data\ArcPro\Inundation Mapping.aprx, 24-2708-001-Fig3.4 11"x17" PLOT SCALE 1:1

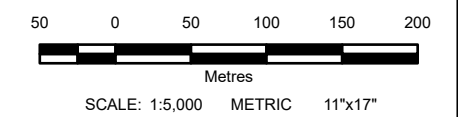


**LEGEND:**

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

- NOTES:**
1. AEP corresponds to the Annual Exceedance Probability.
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**DRAFT**

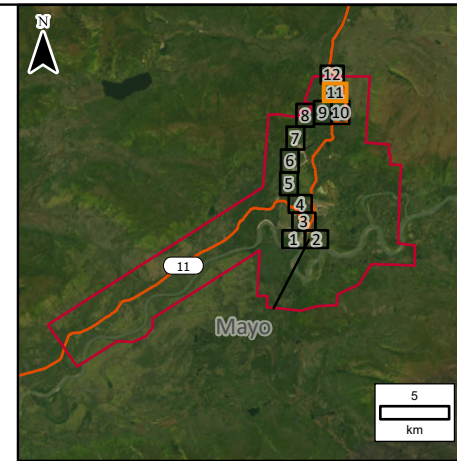
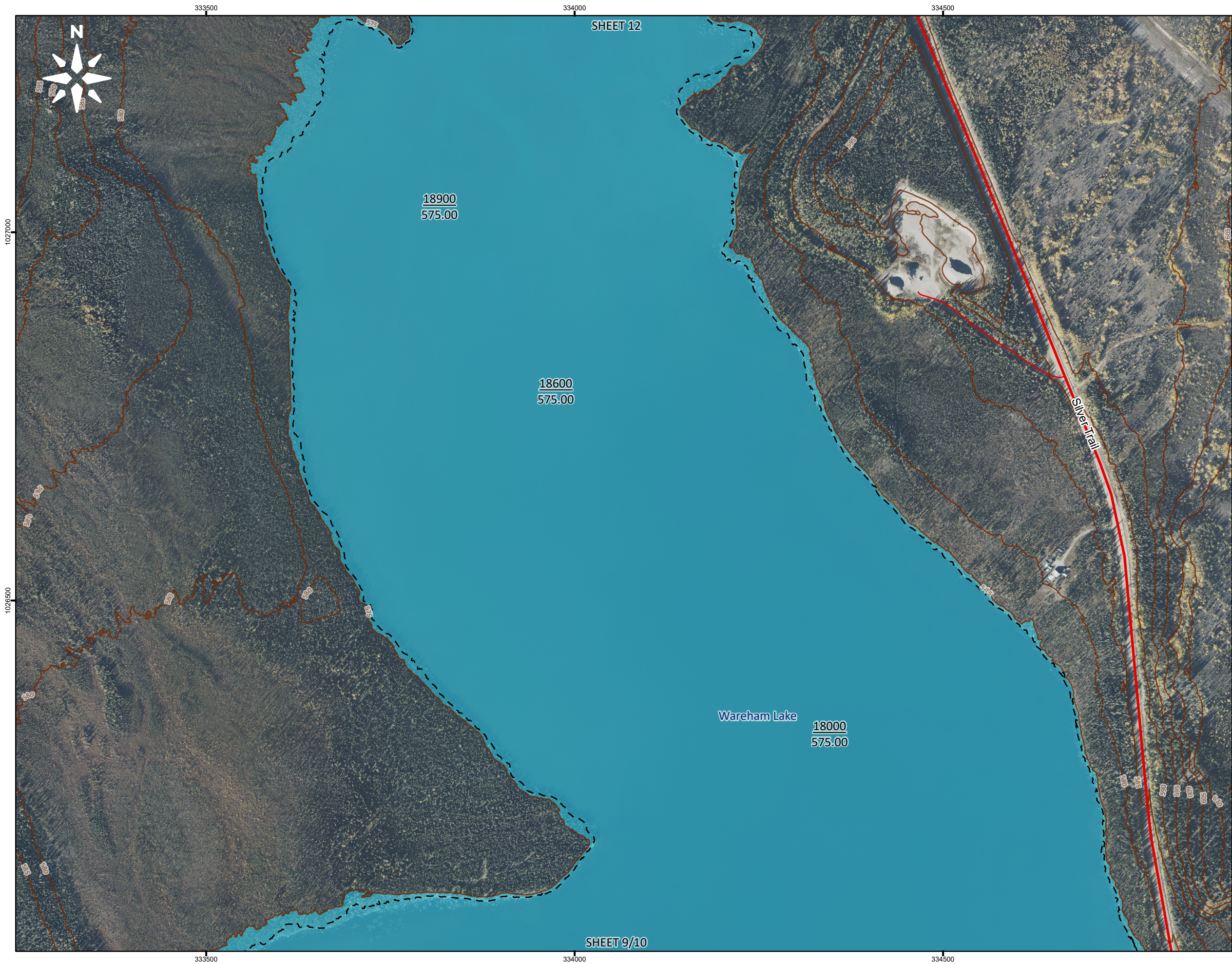


All units are metric and in metres unless otherwise specified. Transverse Mercator Projection, NAD83 Yukon Albers CSRS. Elevations are in metres above sea level (MSL). Canadian Geodetic Vertical Datum 2013 (CGVD2013).

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

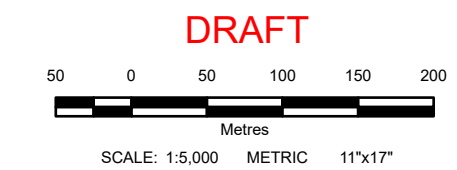
REVISIONS / ISSUE

<b>MAYO FLOOD MAPPING STUDY</b>	
<b>MAYO RIVER / TADZE NYAK CLIMATE CHANGE - OPEN WATER 0.5% ANNUAL EXCEEDANCE PROBABILITY</b>	
MAY 2026	SHEET 10 OF 12
	REV: B



- LEGEND:**
- 21713.4 River Stationing
  - 490.32 Water Surface Elevation (m)
  - Major Road
  - Local Road
  - 5 m Index Contour
  - - Average Annual Peak (50% AEP)
  - 0.5% AEP Climate Change Inundation - Open Water

- 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.
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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).

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

REVISIONS / ISSUE

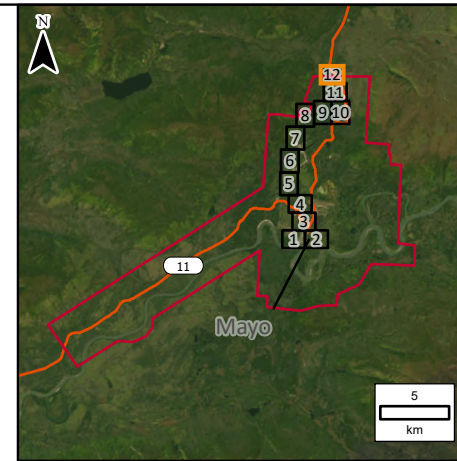
MAYO FLOOD MAPPING STUDY

MAYO RIVER / TADZE NYAK  
CLIMATE CHANGE - OPEN WATER 0.5%  
ANNUAL EXCEEDANCE PROBABILITY

MAY 2026	SHEET 11 OF 12	REV: B
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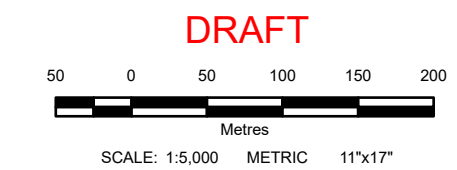
File Name: R:\Projects\2024\24-2708-001\Design\Hyd\GIS\Data\ArcPro\Inundation Mapping.aprx, 24-2708-001-Fig3.4 11"x17" PLOT SCALE: 1:1



**LEGEND:**

21713.4	River Stationing
490.32	Water Surface Elevation (m)
	Major Road
	Local Road
	5 m Index Contour
	Limit of Mapping
	Average Annual Peak (50% AEP)
	0.5% AEP Climate Change Inundation - Open Water

- 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.



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

<b>MAYO FLOOD MAPPING STUDY</b>	
MAYO RIVER / TADZE NYÄK CLIMATE CHANGE - OPEN WATER 0.5% ANNUAL EXCEEDANCE PROBABILITY	
MAY 2026	SHEET 12 OF 12
	REV: B