Prepared by:

Dan Healy, PhD, PEng
Principal

Reviewed by:

Robyn Andrishak, MSc, PEng
Principal



Photo source: Northwest Hydraulic Consultants

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GARDEN RIVER FLOOD STUDY

OPEN WATER FLOOD INUNDATION MAP LIBRARY

Prepared for:

Alberta

Canada

May 8, 2026

NHC Ref. No. 1009251

nhc

Classification: Public

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OPEN WATER FLOOD INUNDATION INDEX MAP

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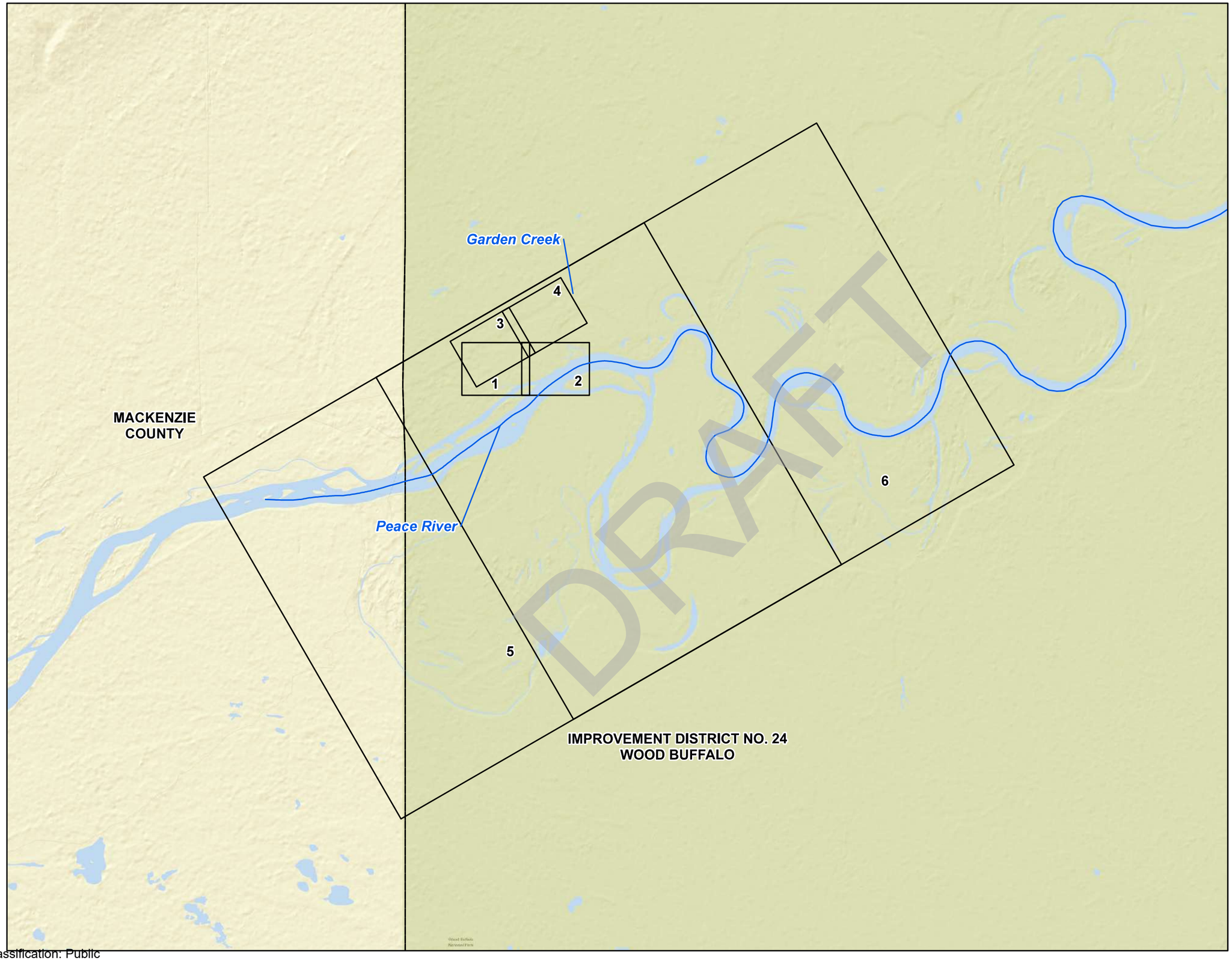

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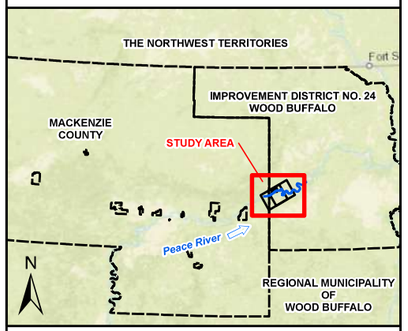

FLOW DIRECTION
RIVER CENTRELINE
MAP SHEETS
COUNTY DISTRICT

SCALE - 1:180,000
0 2.5 5 Km
N

Coordinate System: NAD 1983 CSRS 3TM 114;
Vertical Datum: CGVD28 HTv2.0; Units: Metres

Engineer	GIS	Reviewer
DJH	JY/DJH	RBA

Job Number	Date
1009251	8-MAY-2026

GARDEN RIVER FLOOD STUDY
OPEN WATER FLOOD INUNDATION INDEX MAP

SHEET 1 OF 1

J:\Y_P_Projects (Active)\1009251 Garden River Flood Study\90_GIS\400 OW Mapping\1009251_OW_Inundation_Library_FINAL.aprx

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1:2 OPEN WATER FLOOD INUNDATION MAP

(SHEETS 1 TO 6)

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SHEET 3



SHEET 2

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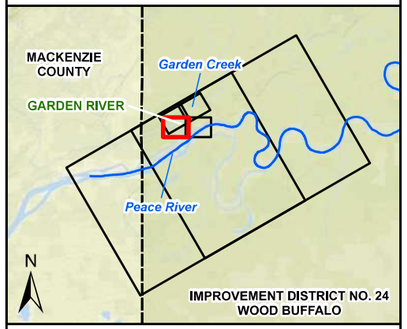

- MAJOR HIGHWAY
- LOCAL ROAD
- BRIDGE
- STUDY BOUNDARY
- RIVER CENTRELINE
- 100 m RIVER STATION
- 1 KM RIVER STATION
- FLOW DIRECTION

FLOOD INUNDATION EXTENT

- Directly Flooded

DISCHARGE
PEACE RIVER = 9,200 m^3/s
GARDEN CREEK = 16.8 m^3/s

SCALE - 1:10,000
0 0.1 0.1 0.2 0.3 0.3 0.4 Km

N

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GARDEN RIVER FLOOD STUDY

1:2 OPEN WATER FLOOD INUNDATION MAP

SHEET 1 OF 6

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SHEET 1

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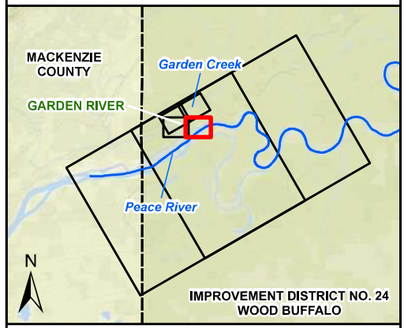

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1:2 OPEN WATER FLOOD INUNDATION MAP

SHEET 2 OF 6

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SHEET 4

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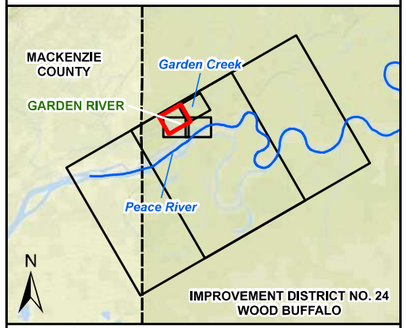

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GARDEN RIVER FLOOD STUDY
1:2 OPEN WATER FLOOD INUNDATION MAP

SHEET 3 OF 6

JY, P:_Projects (Active)\1009251 Garden River Flood Study\90_GIS\400 OW Mapping\1009251_OW_Inundation_Library_FINAL.aprx

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SHEET 3

15 km
16 km
17 km
18 km
19 km
20 km
Garden Creek
Highway 58

Alberta Canada

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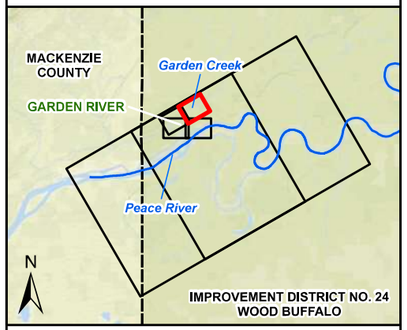

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GARDEN RIVER FLOOD STUDY
1:2 OPEN WATER FLOOD INUNDATION MAP

SHEET 4 OF 6

JY, P:_Projects (Active)\1009251 Garden River Flood Study\90_GIS\400 OW Mapping\1009251_OW_Inundation_Library_FINAL.aprx

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SHEET 6

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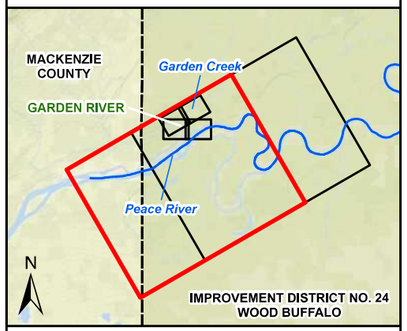

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GARDEN CREEK = 16.8 m^3/s

SCALE - 1:75,000
0 0.5 1 1.5 2 2.5 3 Km

N

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GARDEN RIVER FLOOD STUDY
1:2 OPEN WATER FLOOD INUNDATION MAP

SHEET 5 OF 6

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SHEET 5

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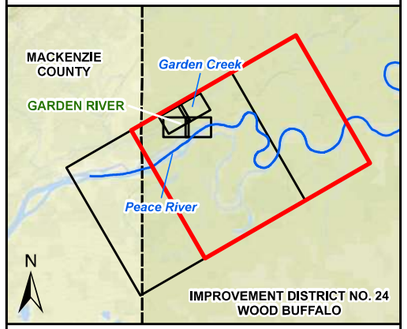

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GARDEN RIVER FLOOD STUDY
1:2 OPEN WATER FLOOD INUNDATION MAP

SHEET 6 OF 6

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1:5 OPEN WATER FLOOD INUNDATION MAP

(SHEETS 1 TO 6)

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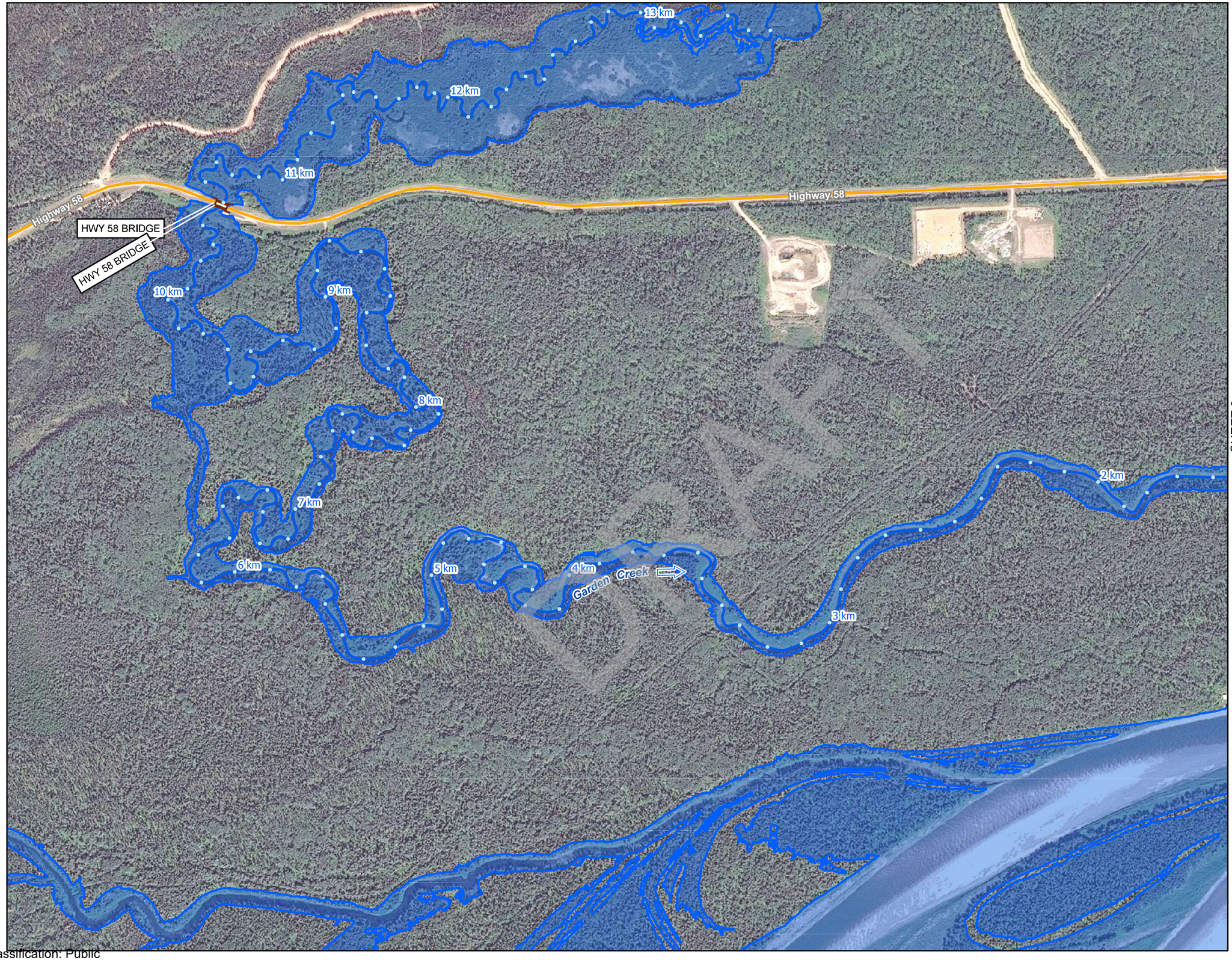
SHEET 3



SHEET 2

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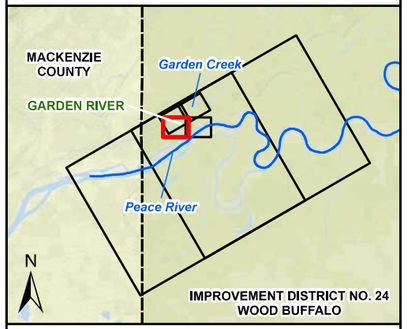

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GARDEN CREEK = 37.1 m^3/s

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0 0.1 0.1 0.2 0.3 0.3 0.4 Km

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GARDEN RIVER FLOOD STUDY
1:5 OPEN WATER FLOOD INUNDATION MAP

SHEET 1 OF 6

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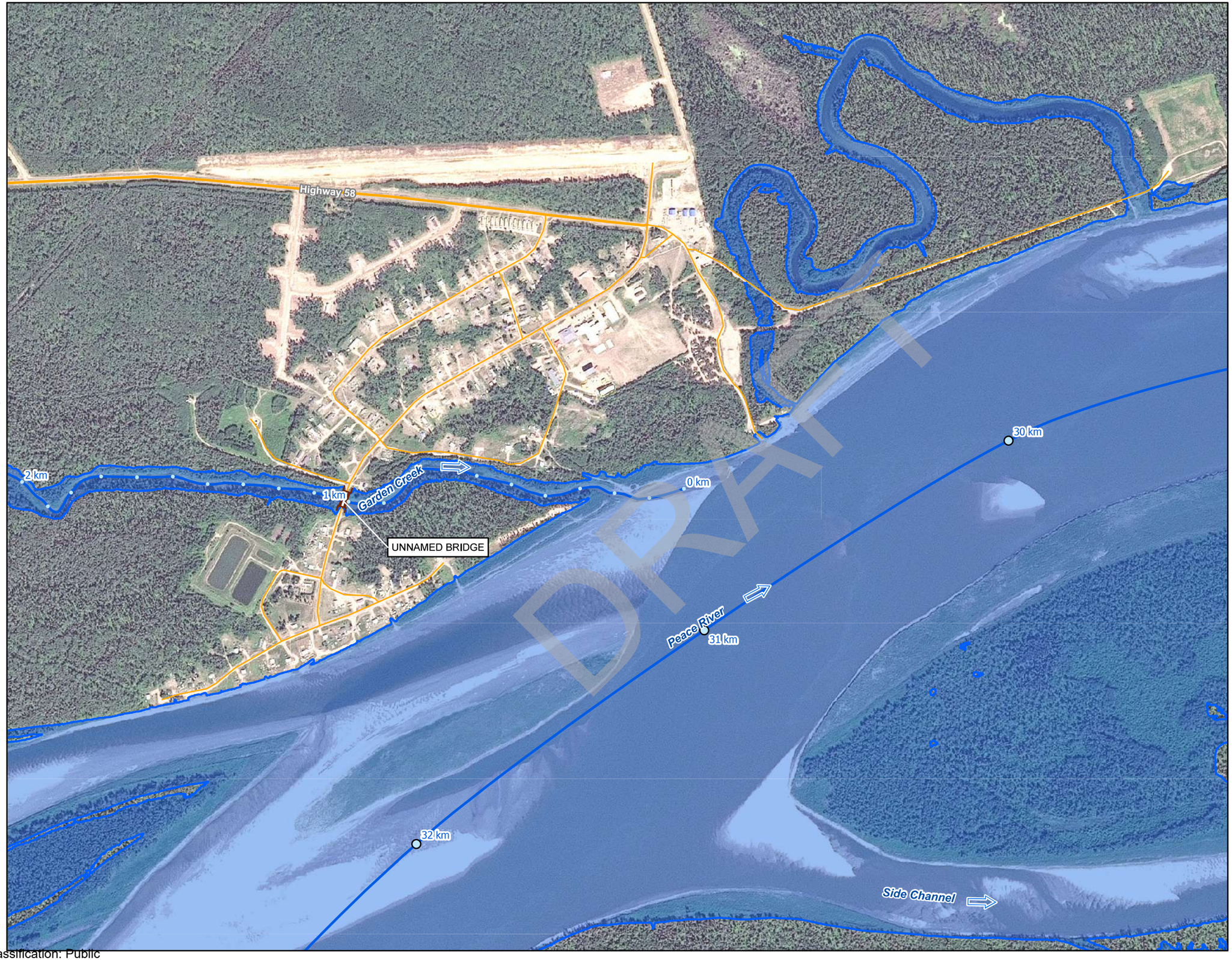

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SHEET 1

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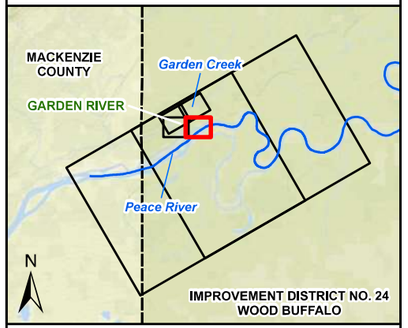

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GARDEN RIVER FLOOD STUDY
1:5 OPEN WATER FLOOD INUNDATION MAP

SHEET 2 OF 6

J:\Y_P_Projects (Active)\1009251 Garden River Flood Study\90_GIS\400 OW Mapping\1009251_OW_Inundation_Library_FINAL.aprx

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SHEET 4

Alberta Canada

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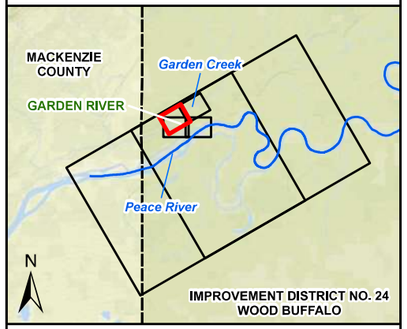

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DJH	JY/DJH	RBA

Job Number	Date
1009251	8-MAY-2026

GARDEN RIVER FLOOD STUDY

1:5 OPEN WATER FLOOD INUNDATION MAP

SHEET 3 OF 6

JY, P:_Projects (Active)\1009251 Garden River Flood Study\90_GIS\400 OW Mapping\1009251_OW_Inundation_Library_FINAL.aprx

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SHEET 3

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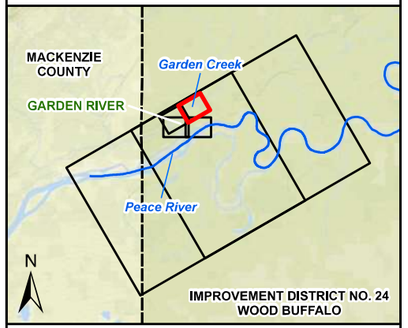

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GARDEN RIVER FLOOD STUDY
1:5 OPEN WATER FLOOD INUNDATION MAP

SHEET 4 OF 6

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SHEET 6

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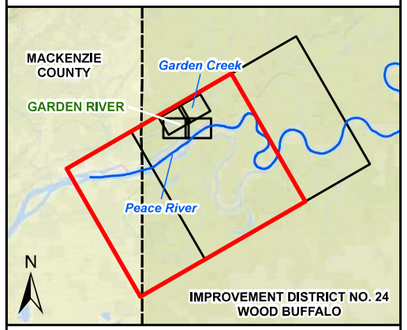

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GARDEN RIVER FLOOD STUDY
1:5 OPEN WATER FLOOD INUNDATION MAP

SHEET 5 OF 6

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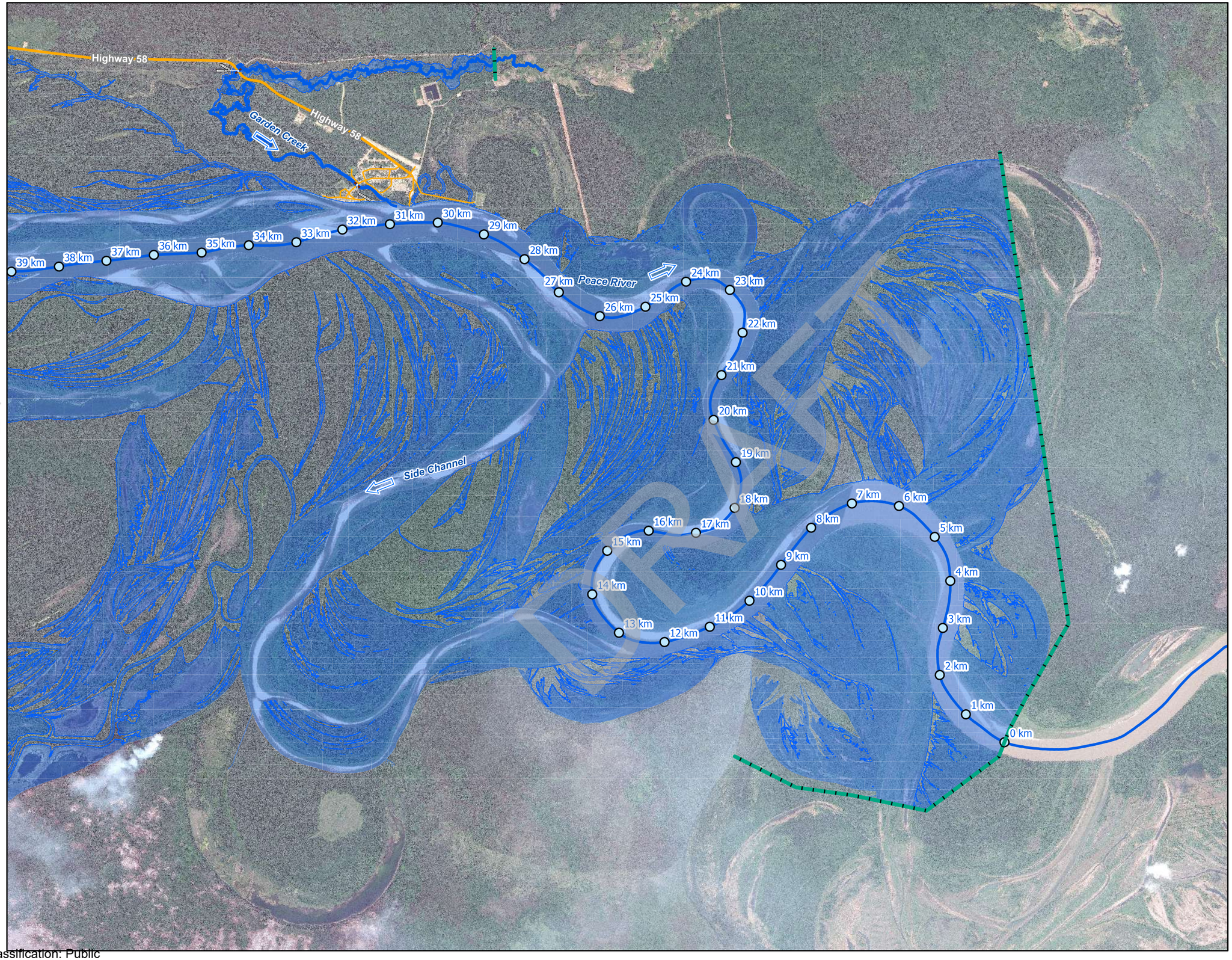

SHEET 5

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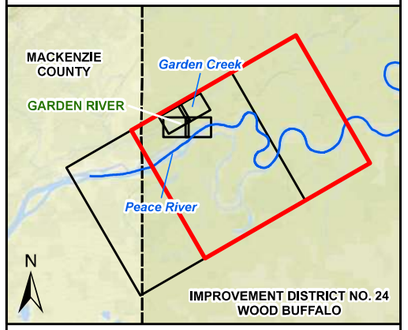

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SHEET 6 OF 6

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1:10 OPEN WATER FLOOD INUNDATION MAP

(SHEETS 1 TO 6)

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SHEET 3



SHEET 2

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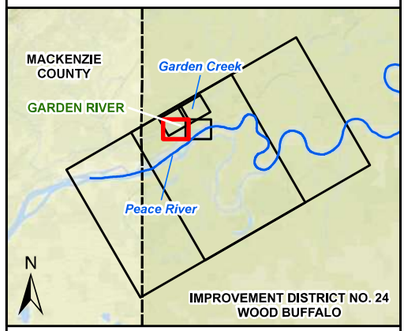

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InundationZone

- Directly Flooded

DISCHARGE
PEACE RIVER = 12,900 m^3/s
GARDEN CREEK = 52.7 m^3/s

SCALE - 1:10,000
0 0.1 0.1 0.2 0.3 0.3 0.4 Km

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SHEET 1

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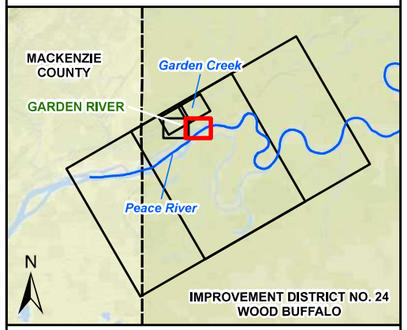

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N

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Vertical Datum: CGVD28 HTv2.0; Units: Metres

Engineer	GIS	Reviewer
DJH	JY/DJH	RBA

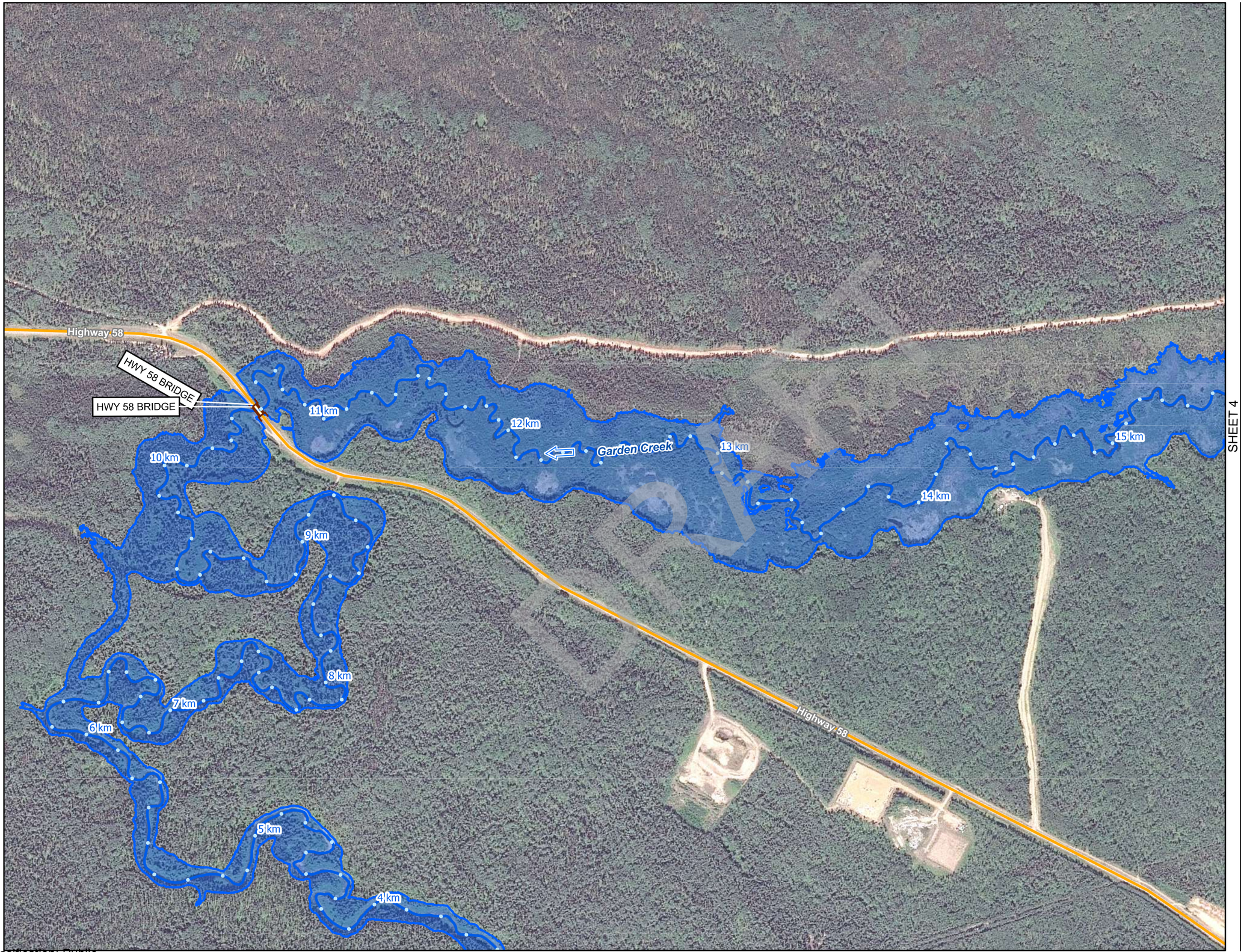
Job Number	Date
1009251	8-MAY-2026

GARDEN RIVER FLOOD STUDY
1:10 OPEN WATER FLOOD INUNDATION MAP

SHEET 2 OF 6

JY_P:_Projects (Active)\1009251 Garden River Flood Study\90_GIS\400 OW Mapping\1009251_OW_Inundation_Library_FINAL.aprx

Classification: Public



Alberta Canada

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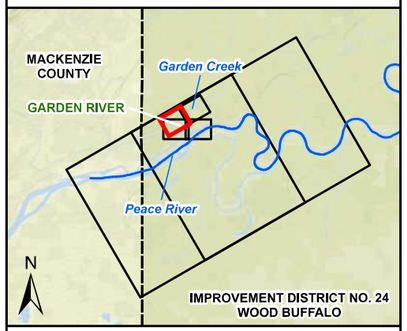

SHEET 4

- MAJOR HIGHWAY
- LOCAL ROAD
- BRIDGE
- STUDY BOUNDARY
- RIVER CENTRELINE
- 100 m RIVER STATION
- 1 KM RIVER STATION
- FLOW DIRECTION

InundationZone

- Directly Flooded

DISCHARGE
PEACE RIVER = 12,900 m^3/s
GARDEN CREEK = 52.7 m^3/s

SCALE - 1:10,000
0 0.1 0.1 0.2 0.3 0.3 0.4 Km

Coordinate System: NAD 1983 CSRS 3TM 114;
Vertical Datum: CGVD28 HTv2.0; Units: Metres

Engineer	GIS	Reviewer
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GARDEN RIVER FLOOD STUDY
1:10 OPEN WATER FLOOD INUNDATION MAP

SHEET 3 OF 6

J:\Y_P_Projects (Active)\1009251 Garden River Flood Study\90_GIS\400 OW Mapping\1009251_OW_Inundation_Library_FINAL.aprx

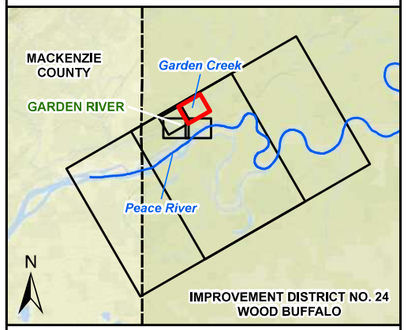
Classification: Public

SHEET 3

15 km
16 km
17 km
18 km
19 km
20 km
Garden Creek
Highway 58

Alberta Canada

nhc



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SHEET 4 OF 6

JY, P:_Projects (Active)\1009251 Garden River Flood Study\90_GIS\400 OW Mapping\1009251_OW_Inundation_Library_FINAL.aprx

Classification: Public



SHEET 6

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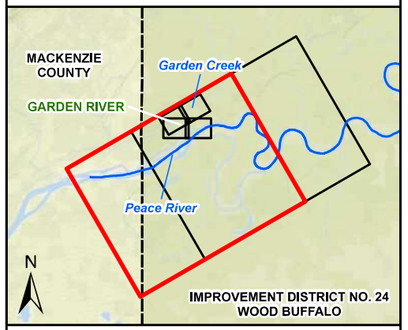

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0 0.5 1 1.5 2 2.5 3 Km

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GARDEN RIVER FLOOD STUDY
1:10 OPEN WATER FLOOD INUNDATION MAP

SHEET 5 OF 6

J:\Y_P_Projects (Active)\1009251 Garden River Flood Study\90_GIS\400 OW Mapping\1009251_OW_Inundation_Library_FINAL.aprx

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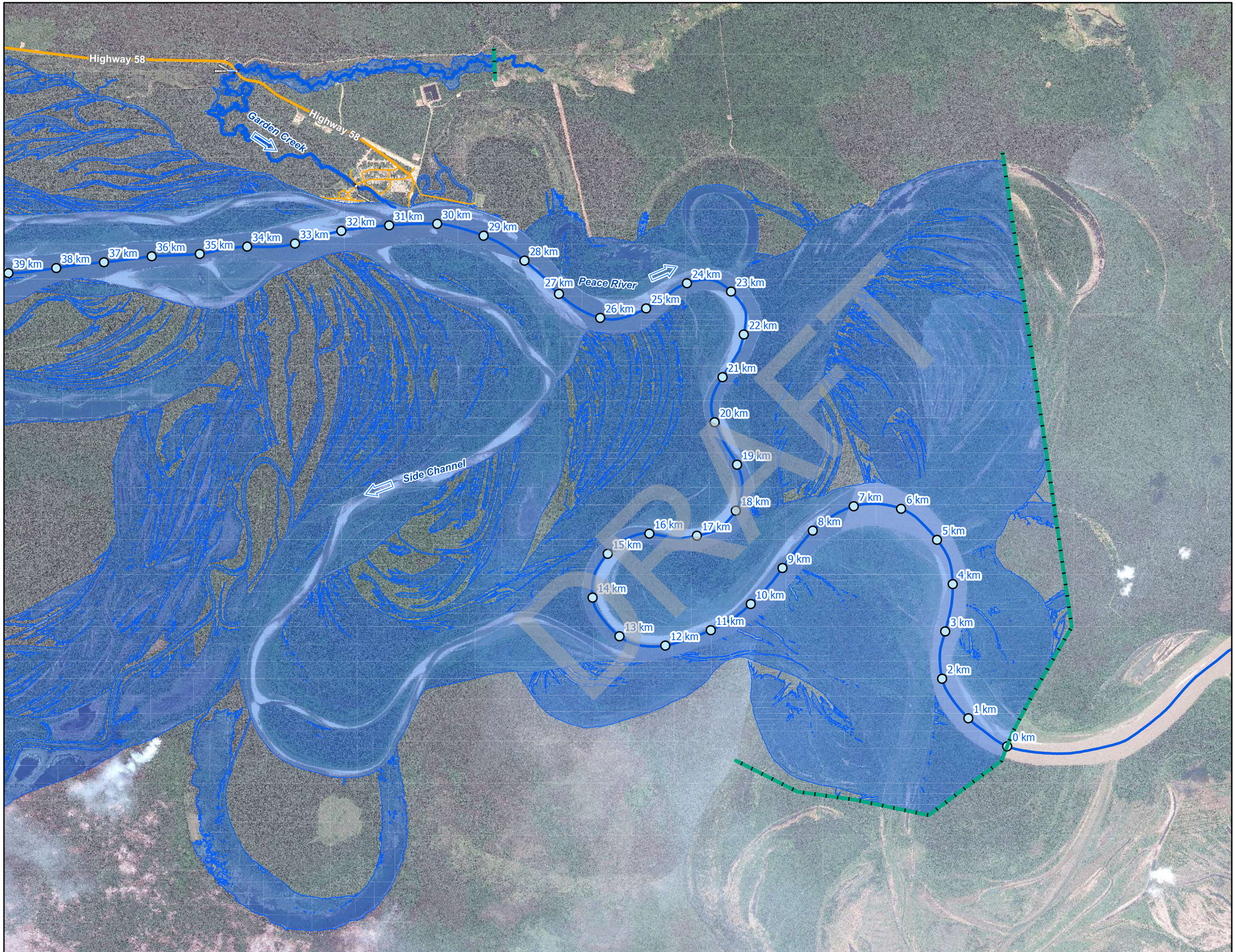

SHEET 5

Alberta Canada

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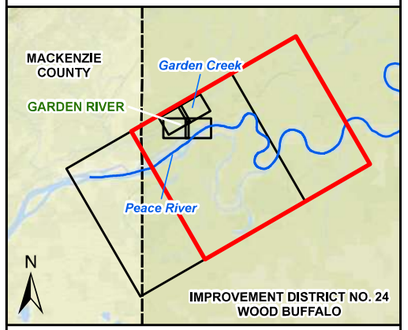

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GARDEN RIVER FLOOD STUDY
1:10 OPEN WATER FLOOD INUNDATION MAP

SHEET 6 OF 6

JY: P:_Projects (Active)\1009251 Garden River Flood Study\90_GIS\400 OW Mapping\1009251_OW_Inundation_Library_FINAL.aprx

Classification: Public

1:20 OPEN WATER FLOOD INUNDATION MAP

(SHEETS 1 TO 6)

DRAFT

Classification: Public

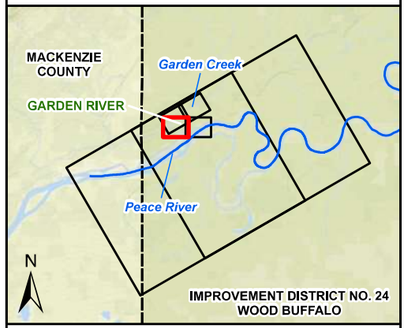
SHEET 3



SHEET 2

Alberta Canada

nhc



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- LOCAL ROAD
- BRIDGE
- STUDY BOUNDARY
- RIVER CENTRELINE
- 100 m RIVER STATION
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- FLOW DIRECTION

FLOOD INUNDATION EXTENT

- Directly Flooded

DISCHARGE
PEACE RIVER = 14,500 m^3/s
GARDEN CREEK = 68.4 m^3/s

SCALE - 1:10,000
0 0.1 0.1 0.2 0.3 0.3 0.4 Km

N

Coordinate System: NAD 1983 CSRS 3TM 114;
Vertical Datum: CGVD28 HTv2.0; Units: Metres

Engineer	GIS	Reviewer
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GARDEN RIVER FLOOD STUDY

1:20 OPEN WATER FLOOD INUNDATION MAP

SHEET 1 OF 6

J:\Y_P:_Projects (Active)\1009251 Garden River Flood Study\90_GIS\400 OW Mapping\1009251_OW_Inundation_Library_FINAL.aprx

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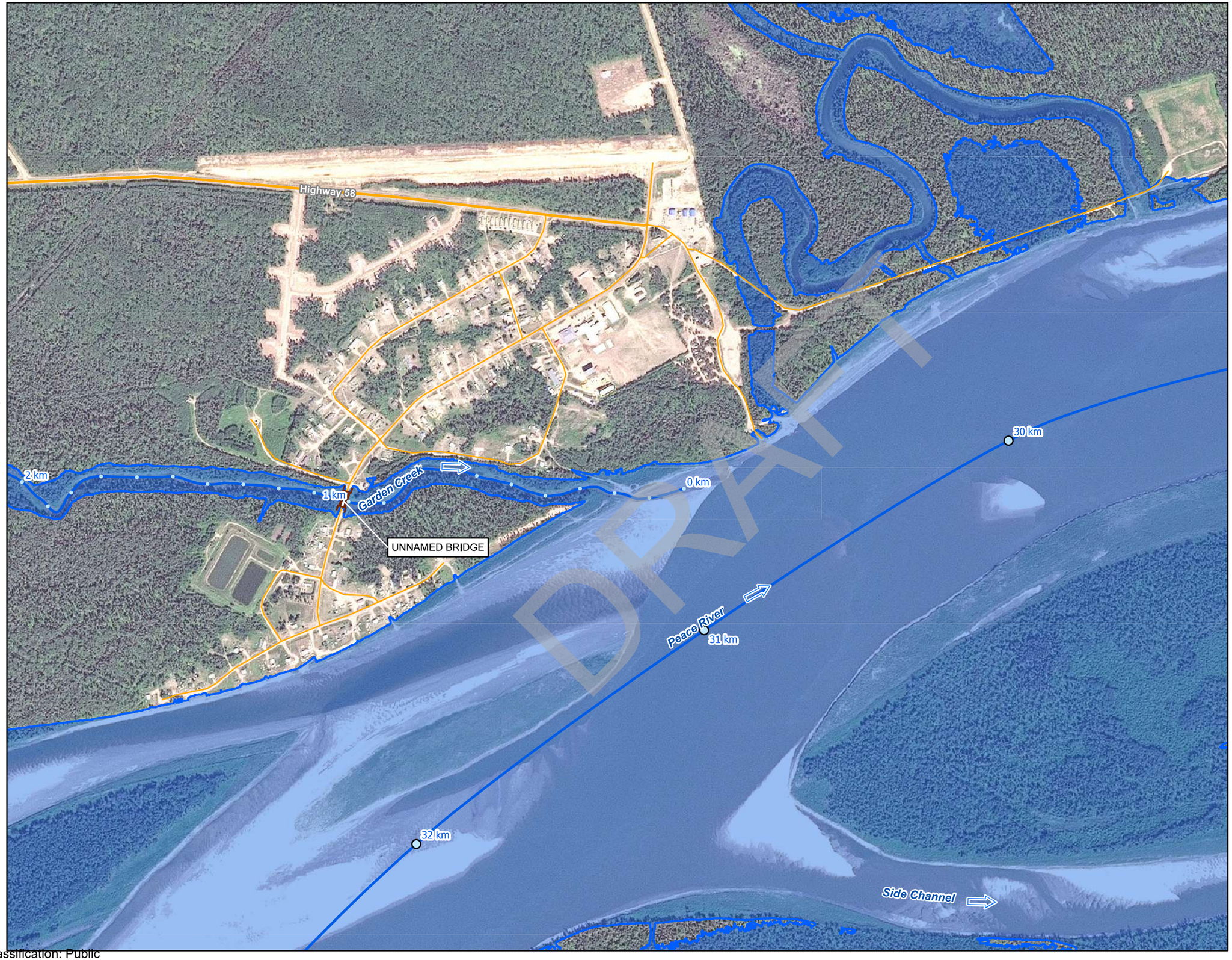
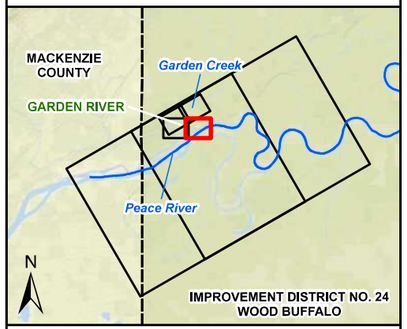


SHEET 1

Alberta Canada

nhc



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GARDEN RIVER FLOOD STUDY
1:20 OPEN WATER FLOOD INUNDATION MAP

SHEET 2 OF 6

JY: P:_Projects (Active)\1009251 Garden River Flood Study\90_GIS\400 OW Mapping\1009251_OW_Inundation_Library_FINAL.aprx

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SHEET 4

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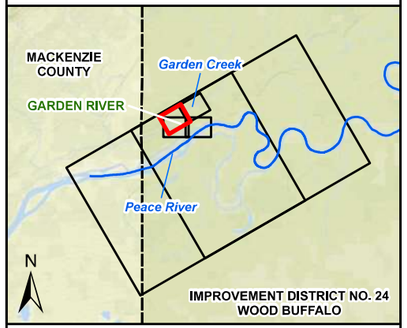

- MAJOR HIGHWAY
- LOCAL ROAD
- BRIDGE
- STUDY BOUNDARY
- RIVER CENTRELINE
- 100 m RIVER STATION
- 1 KM RIVER STATION
- FLOW DIRECTION

FLOOD INUNDATION EXTENT

- Directly Flooded

DISCHARGE
PEACE RIVER = 14,500 m^3/s
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SCALE - 1:10,000
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GARDEN RIVER FLOOD STUDY
1:20 OPEN WATER FLOOD INUNDATION MAP

SHEET 3 OF 6

JY, P:_Projects (Active)\1009251 Garden River Flood Study\90_GIS\400 OW Mapping\1009251_OW_Inundation_Library_FINAL.aprx

Classification: Public



SHEET 3

Alberta Canada

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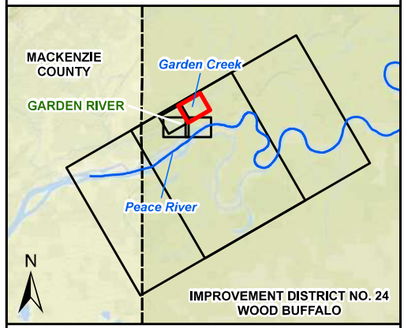

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FLOOD INUNDATION EXTENT

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GARDEN RIVER FLOOD STUDY
1:20 OPEN WATER FLOOD INUNDATION MAP

SHEET 4 OF 6

JY, P:_Projects (Active)\1009251 Garden River Flood Study\90_GIS\400 OW Mapping\1009251_OW_Inundation_Library_FINAL.aprx

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SHEET 6

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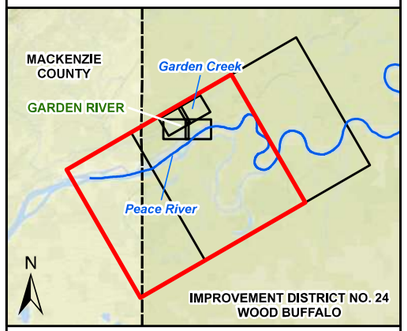

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- FLOW DIRECTION

FLOOD INUNDATION EXTENT

- Directly Flooded

DISCHARGE
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GARDEN CREEK = 68.4 m^3/s

SCALE - 1:75,000
0 0.5 1 1.5 2 2.5 3 Km

N

Coordinate System: NAD 1983 CSRS 3TM 114;
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GARDEN RIVER FLOOD STUDY
1:20 OPEN WATER FLOOD INUNDATION MAP

SHEET 5 OF 6

JY_P:_Projects (Active)\1009251 Garden River Flood Study\90_GIS\400 OW Mapping\1009251_OW_Inundation_Library_FINAL.aprx

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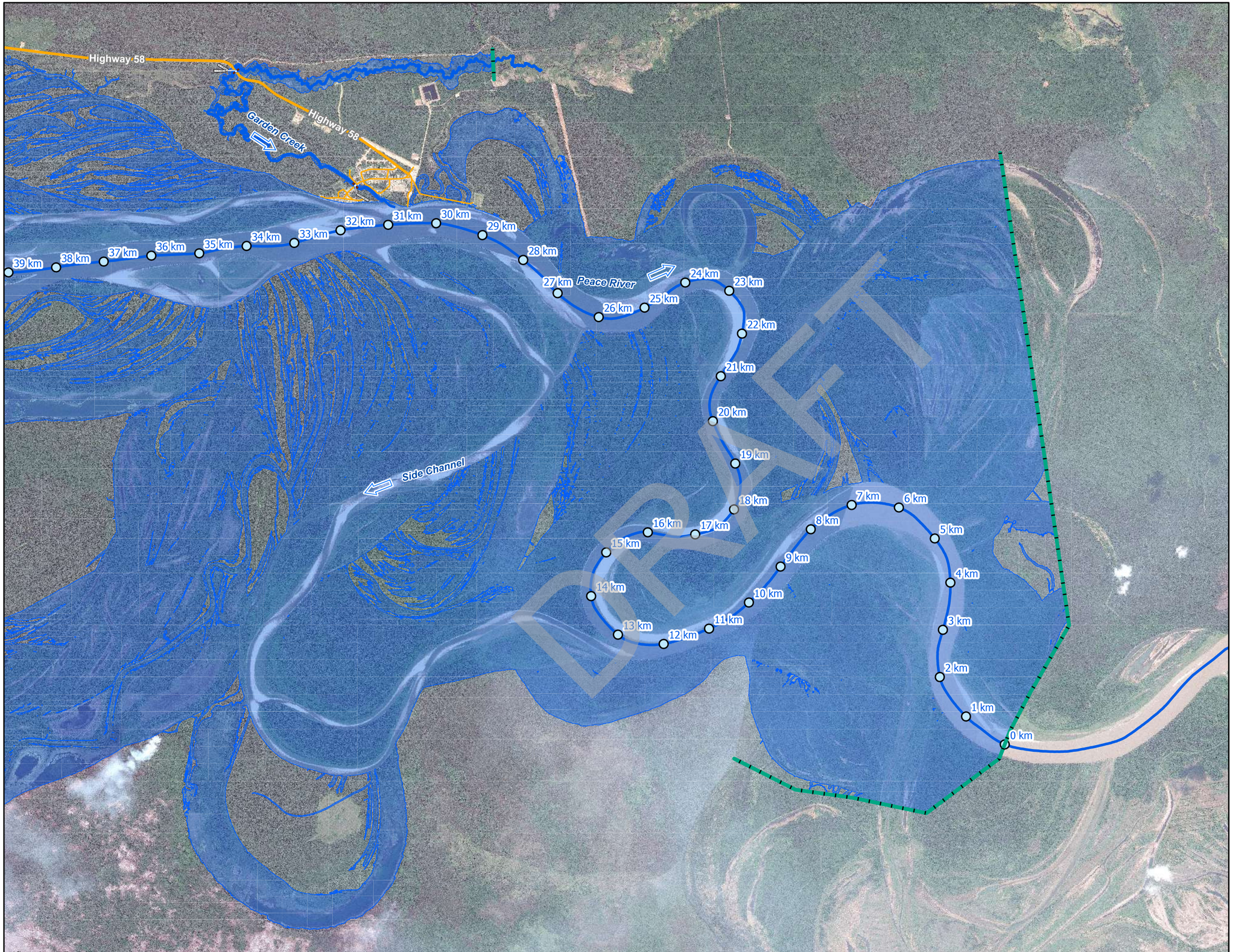
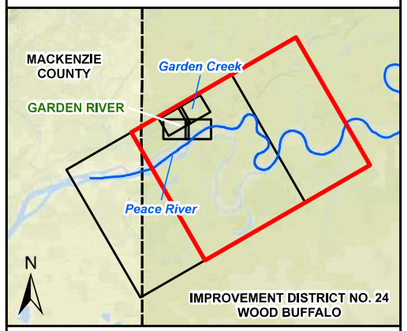


SHEET 5



MAJOR HIGHWAY
LOCAL ROAD
BRIDGE
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RIVER CENTRELINE
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1 KM RIVER STATION
FLOW DIRECTION
FLOOD INUNDATION EXTENT
Directly Flooded

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GARDEN RIVER FLOOD STUDY
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SHEET 6 OF 6

JY, P:_Projects (Active)\1009251 Garden River Flood Study\90_GIS\400 OW Mapping\1009251_OW_Inundation_Library_FINAL.aprx

Classification: Public

1:35 OPEN WATER FLOOD INUNDATION MAP

(SHEETS 1 TO 6)

DRAFT

Classification: Public

SHEET 3



SHEET 2

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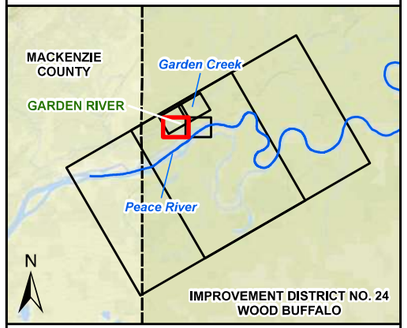

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- FLOW DIRECTION

FLOOD INUNDATION EXTENT

- Directly Flooded

DISCHARGE
PEACE RIVER = 15,700 m^3/s
GARDEN CREEK = 81.3 m^3/s

SCALE - 1:10,000
0 0.1 0.1 0.2 0.3 0.3 0.4 Km

N

Coordinate System: NAD 1983 CSRS 3TM 114;
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GARDEN RIVER FLOOD STUDY

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SHEET 1 OF 6

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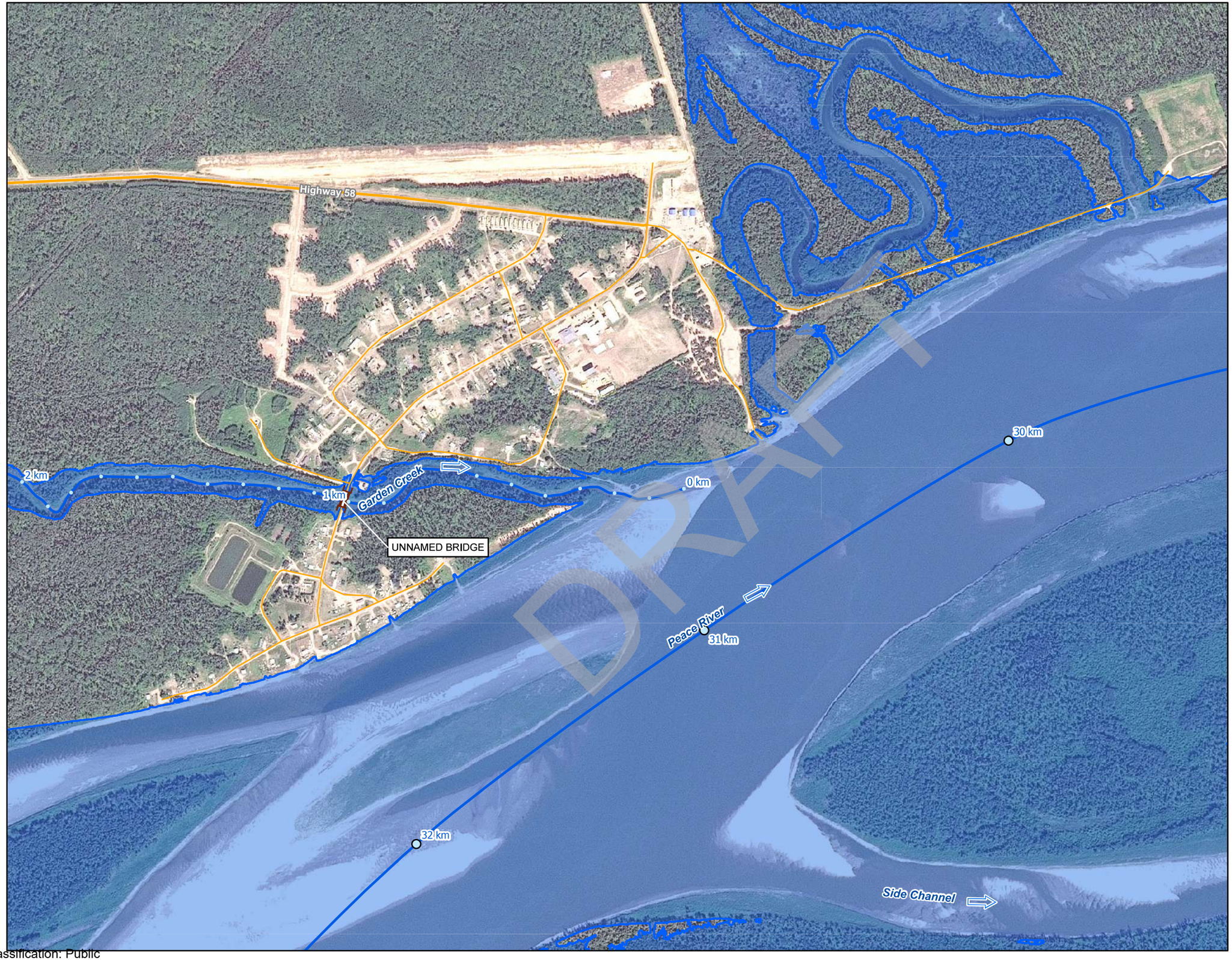

SHEET 1

Alberta Canada

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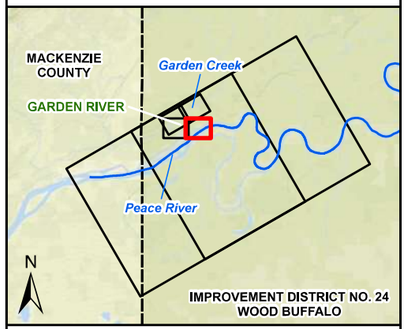

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GARDEN RIVER FLOOD STUDY
1:35 OPEN WATER FLOOD INUNDATION MAP

SHEET 2 OF 6

JY, P:_Projects (Active)\1009251 Garden River Flood Study\90_GIS\400 OW Mapping\1009251_OW_Inundation_Library_FINAL.aprx

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SHEET 4

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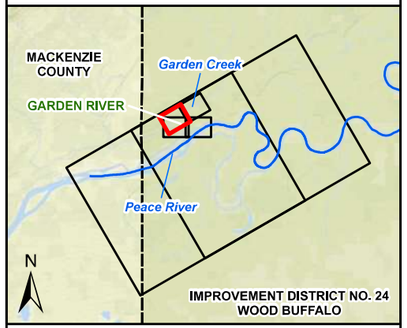

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SHEET 3 OF 6

JY, P:_Projects (Active)\1009251 Garden River Flood Study\90_GIS\400 OW Mapping\1009251_OW_Inundation_Library_FINAL.aprx

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SHEET 3

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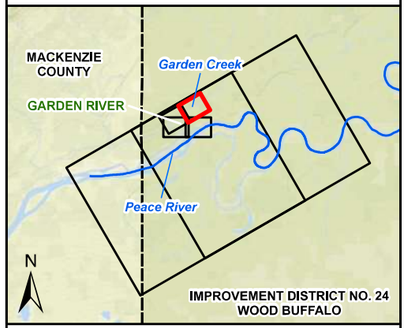

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SHEET 4 OF 6

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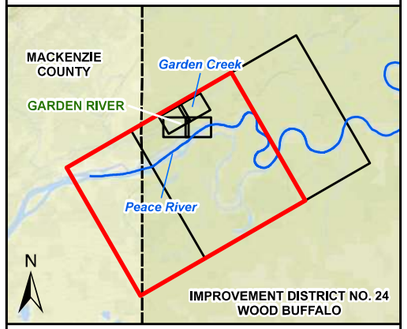

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GARDEN RIVER FLOOD STUDY
1:35 OPEN WATER FLOOD INUNDATION MAP

SHEET 5 OF 6

SHEET 6

JY, P:_Projects (Active)\1009251 Garden River Flood Study\90_GIS\400 OW Mapping\1009251_OW_Inundation_Library_FINAL.aprx

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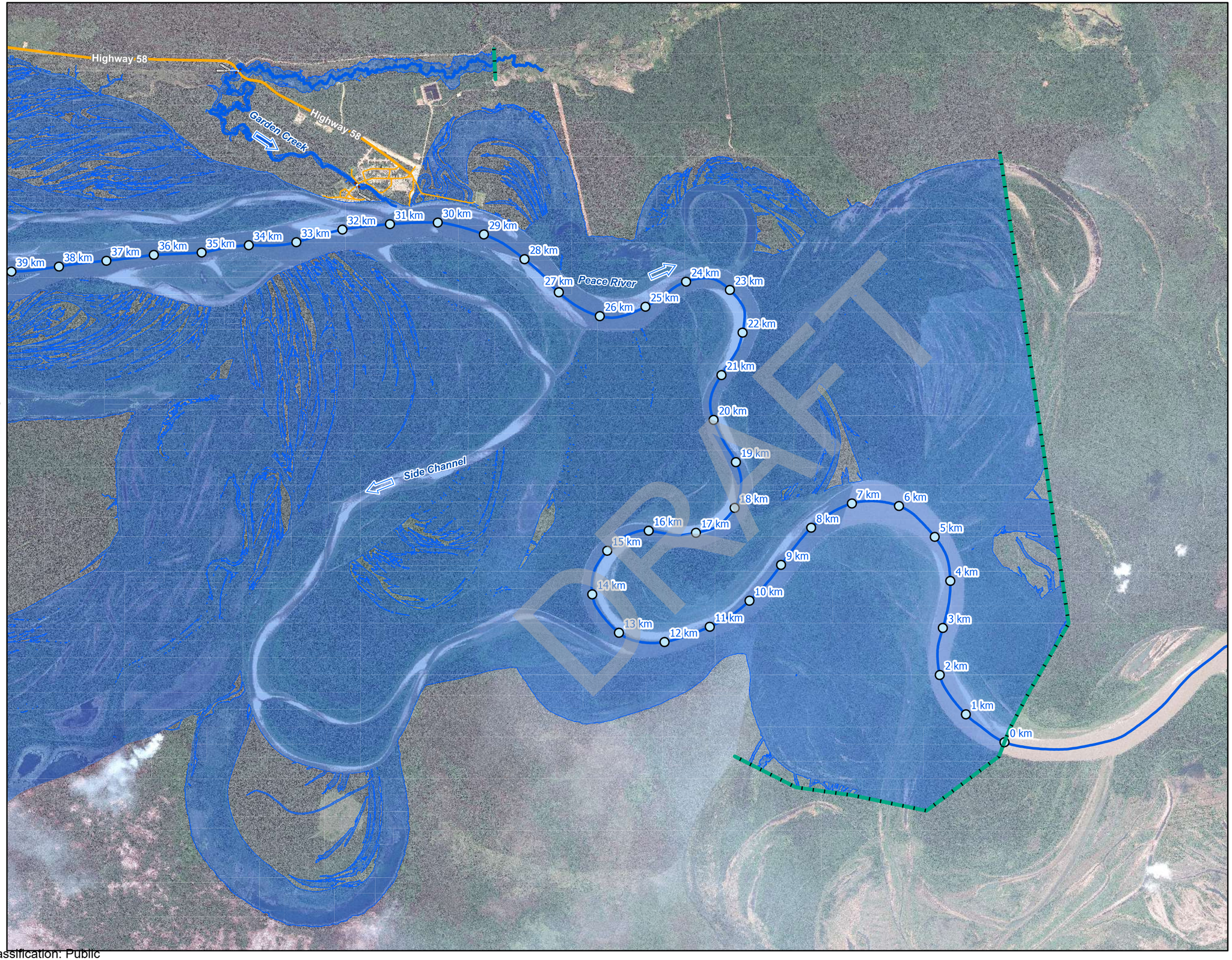
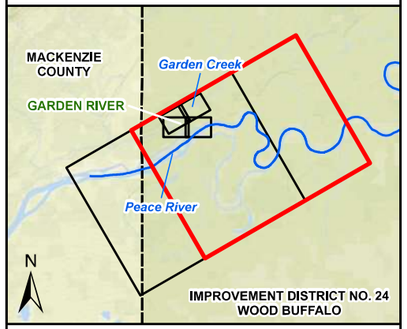


SHEET 5

Alberta Canada

nhc



- MAJOR HIGHWAY
- LOCAL ROAD
- BRIDGE
- STUDY BOUNDARY
- RIVER CENTRELINE
- 100 m RIVER STATION
- 1 KM RIVER STATION
- FLOW DIRECTION

FLOOD INUNDATION EXTENT

- Directly Flooded

DISCHARGE
PEACE RIVER = 15,700 m^3/s
GARDEN CREEK = 81.3 m^3/s

SCALE - 1:75,000
0 0.5 1 1.5 2 2.5 3 Km

N

Coordinate System: NAD 1983 CSRS 3TM 114;
Vertical Datum: CGVD28 HTv2.0; Units: Metres

Engineer	GIS	Reviewer
DJH	JY/DJH	RBA

Job Number	Date
1009251	8-MAY-2026

GARDEN RIVER FLOOD STUDY
1:35 OPEN WATER FLOOD INUNDATION MAP

SHEET 6 OF 6

JY, P:_Projects (Active)\1009251 Garden River Flood Study\90_GIS\400 OW Mapping\1009251_OW_Inundation_Library_FINAL.aprx

Classification: Public

1:50 OPEN WATER FLOOD INUNDATION MAP

(SHEETS 1 TO 6)

DRAFT

Classification: Public

SHEET 3



SHEET 2

Alberta Canada

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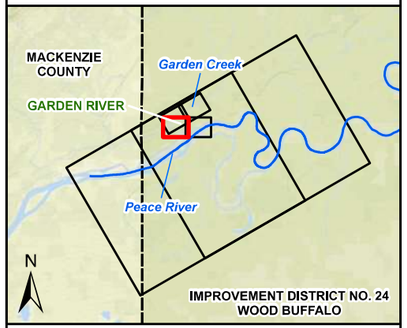

- MAJOR HIGHWAY
- LOCAL ROAD
- BRIDGE
- STUDY BOUNDARY
- RIVER CENTRELINE
- 100 m RIVER STATION
- 1 KM RIVER STATION
- FLOW DIRECTION

FLOOD INUNDATION EXTENT

- Directly Flooded

DISCHARGE
PEACE RIVER = 16,600 m^3/s
GARDEN CREEK = 89.3 m^3/s

SCALE - 1:10,000
0 0.1 0.1 0.2 0.3 0.3 0.4 Km

N

Coordinate System: NAD 1983 CSRS 3TM 114;
Vertical Datum: CGVD28 HTv2.0; Units: Metres

Engineer	GIS	Reviewer
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Job Number	Date
1009251	8-MAY-2026

GARDEN RIVER FLOOD STUDY
1:50 OPEN WATER FLOOD INUNDATION MAP

SHEET 1 OF 6

J:\Y_P_Projects (Active)\1009251 Garden River Flood Study\90_GIS\400 OW Mapping\1009251_OW_Inundation_Library_FINAL.aprx

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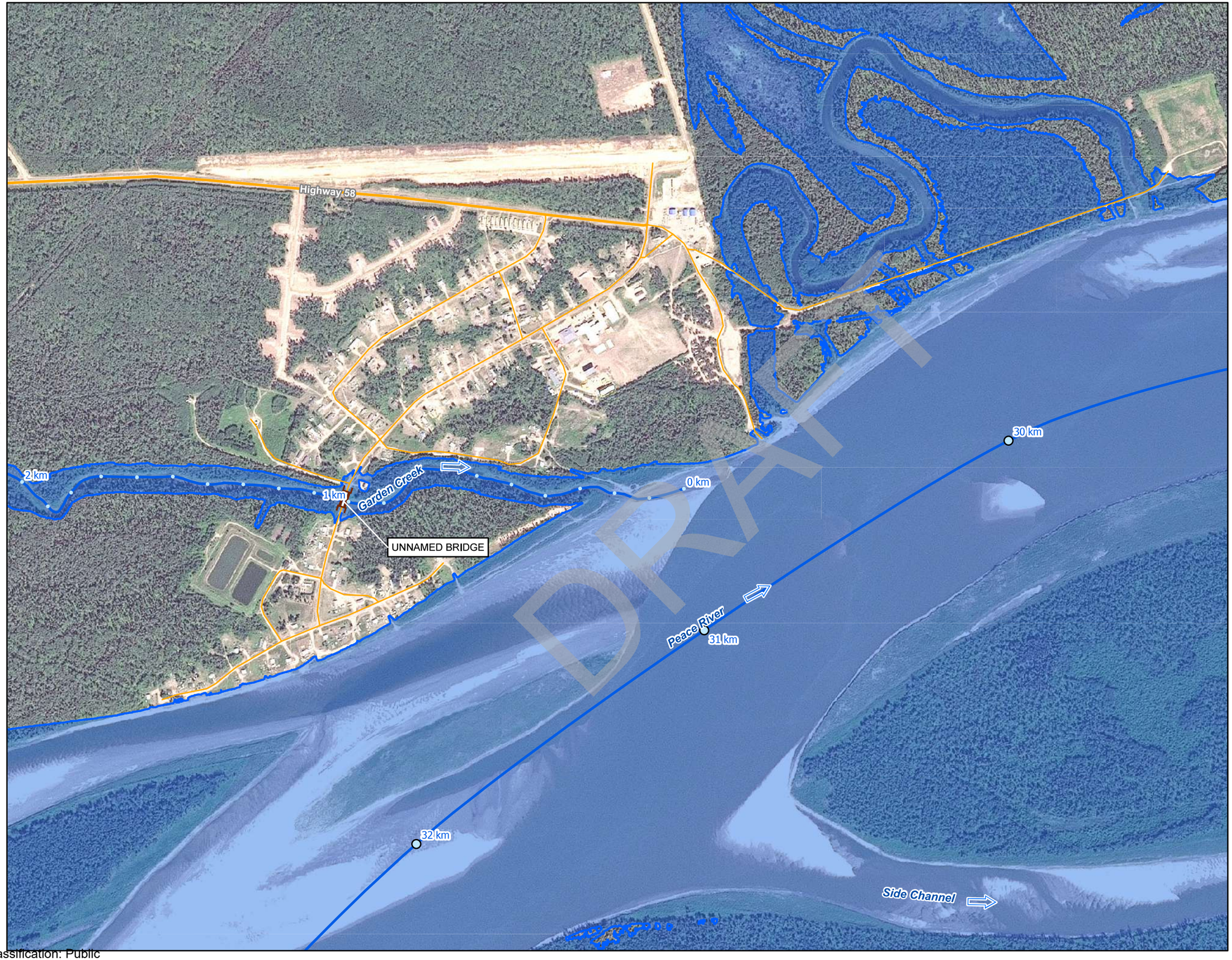

SHEET 1

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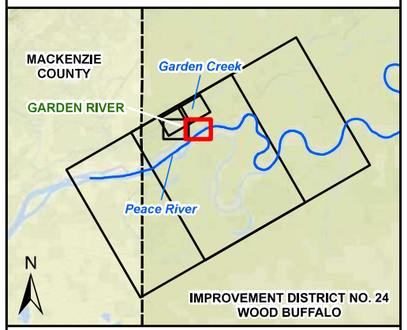

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0 0.1 0.1 0.2 0.3 0.3 0.4 Km

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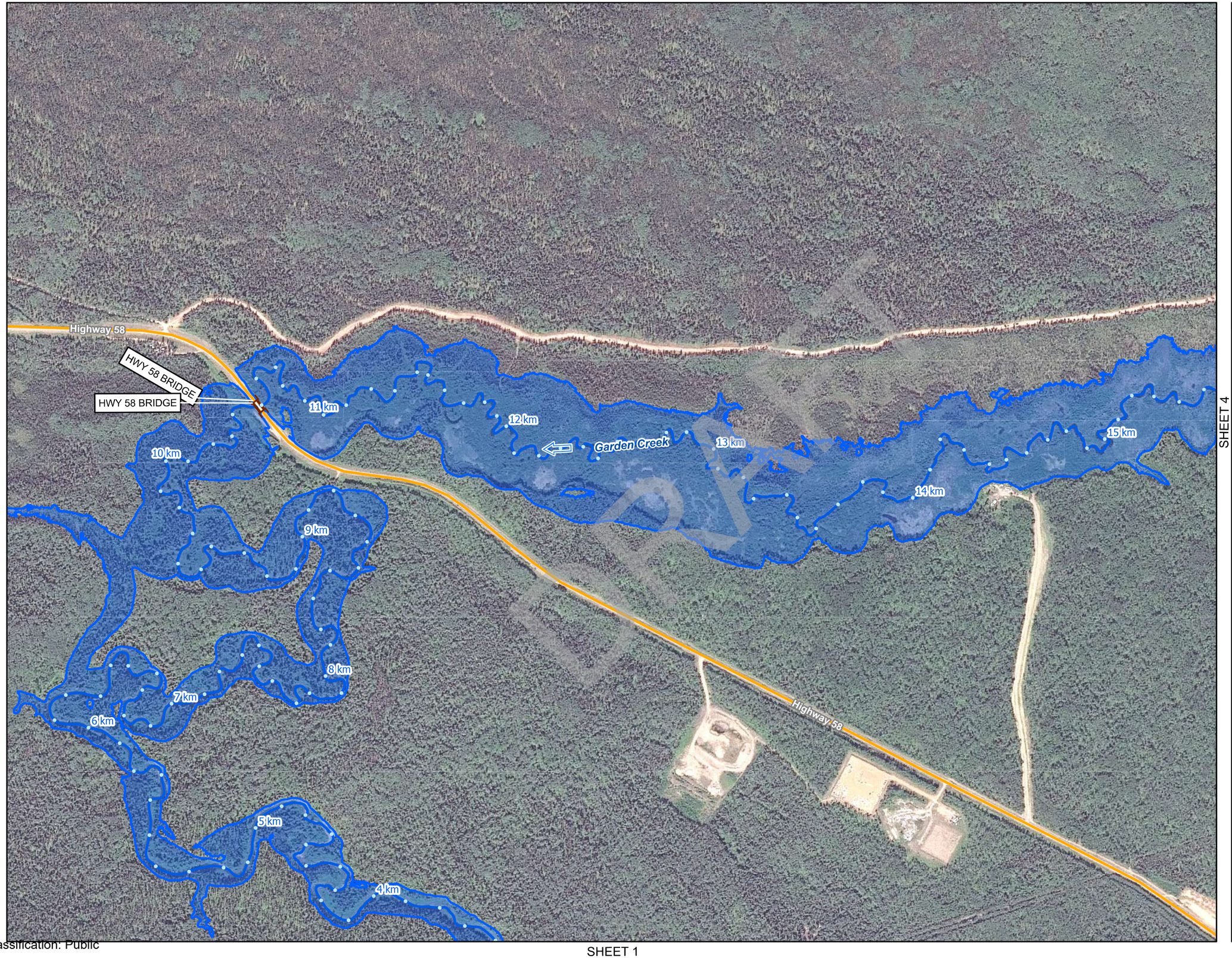
GARDEN RIVER FLOOD STUDY
1:50 OPEN WATER FLOOD INUNDATION MAP

SHEET 2 OF 6

DRAFT

JY, P:_Projects (Active)\1009251 Garden River Flood Study\90_GIS\400 OW Mapping\1009251_OW_Inundation_Library_FINAL.aprx

Classification: Public



SHEET 4

Alberta Canada

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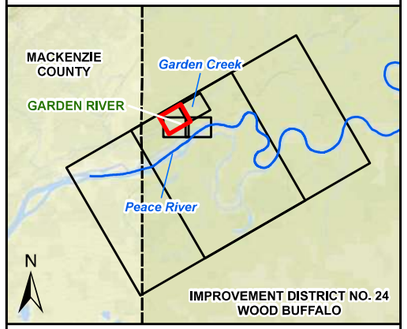

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FLOOD INUNDATION EXTENT

- Directly Flooded

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SCALE - 1:10,000
0 0.1 0.1 0.2 0.3 0.3 0.4 Km

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GARDEN RIVER FLOOD STUDY
1:50 OPEN WATER FLOOD INUNDATION MAP

SHEET 3 OF 6

JY, P:_Projects (Active)\1009251 Garden River Flood Study\90_GIS\400 OW Mapping\1009251_OW_Inundation_Library_FINAL.aprx

SHEET 3

15 km
16 km
17 km
18 km
19 km
20 km
Garden Creek
Highway 58

Alberta Canada

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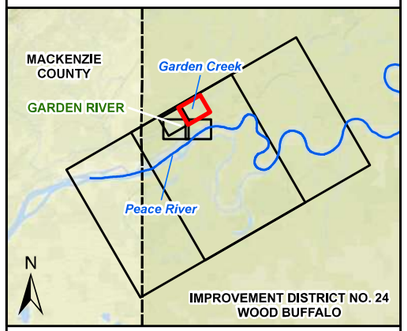

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GARDEN RIVER FLOOD STUDY
1:50 OPEN WATER FLOOD INUNDATION MAP

SHEET 4 OF 6

J:\Y_P:_Projects (Active)\1009251 Garden River Flood Study\90_GIS\400 OW Mapping\1009251_OW_Inundation_Library_FINAL.aprx

Classification: Public



Alberta Canada

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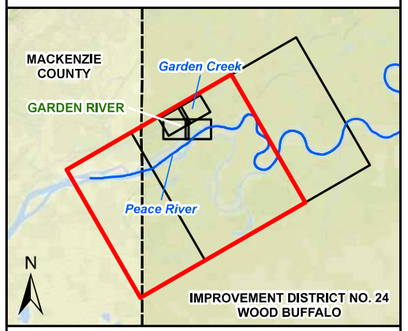

SHEET 6

- MAJOR HIGHWAY
- LOCAL ROAD
- BRIDGE
- STUDY BOUNDARY
- RIVER CENTRELINE
- 100 m RIVER STATION
- 1 KM RIVER STATION
- FLOW DIRECTION

FLOOD INUNDATION EXTENT

- Directly Flooded

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GARDEN CREEK = 89.3 m^3/s

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0 0.5 1 1.5 2 2.5 3 Km

N

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GARDEN RIVER FLOOD STUDY
1:50 OPEN WATER FLOOD INUNDATION MAP

SHEET 5 OF 6

JY_P:_Projects (Active)\1009251 Garden River Flood Study\90_GIS\400 OW Mapping\1009251_OW_Inundation_Library_FINAL.aprx

Classification: Public



SHEET 5

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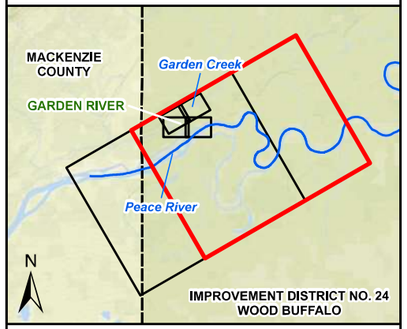

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1009251	8-MAY-2026

GARDEN RIVER FLOOD STUDY
1:50 OPEN WATER FLOOD INUNDATION MAP

SHEET 6 OF 6

JY, P:_Projects (Active)\1009251 Garden River Flood Study\90_GIS\400 OW Mapping\1009251_OW_Inundation_Library_FINAL.aprx

Classification: Public

1:75 OPEN WATER FLOOD INUNDATION MAP

(SHEETS 1 TO 6)

DRAFT

Classification: Public

SHEET 3



SHEET 2

Alberta Canada

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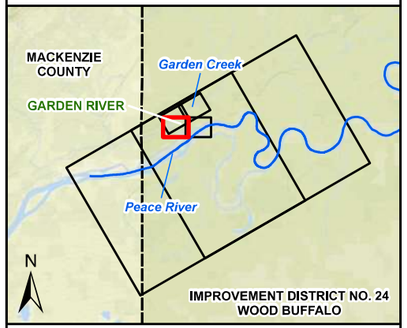

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FLOOD INUNDATION EXTENT

- Directly Flooded

DISCHARGE
PEACE RIVER = 17,500 m^3/s
GARDEN CREEK = 98.8 m^3/s

SCALE - 1:10,000
0 0.1 0.1 0.2 0.3 0.3 0.4 Km

N

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1009251	8-MAY-2026

GARDEN RIVER FLOOD STUDY

1:75 OPEN WATER FLOOD INUNDATION MAP

SHEET 1 OF 6

J:\Y_P_Projects (Active)\1009251 Garden River Flood Study\90_GIS\400 OW Mapping\1009251_OW_Inundation_Library_FINAL.aprx

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SHEET 1

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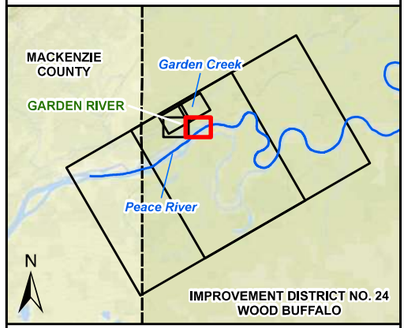

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1009251	8-MAY-2026

GARDEN RIVER FLOOD STUDY
1:75 OPEN WATER FLOOD INUNDATION MAP

SHEET 2 OF 6

J:\Y_P_Projects (Active)\1009251 Garden River Flood Study\90_GIS\400 OW Mapping\1009251_OW_Inundation_Library_FINAL.aprx

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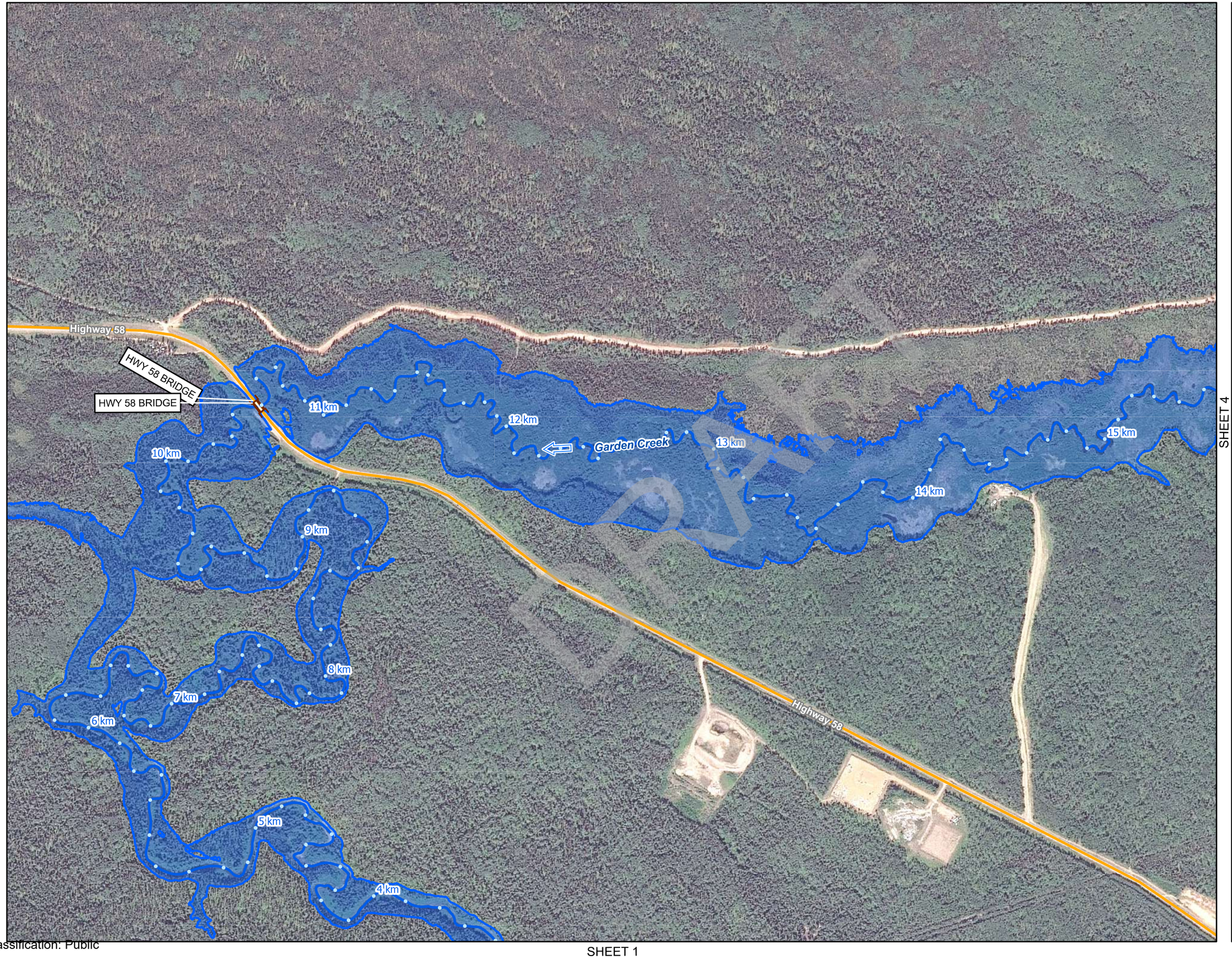
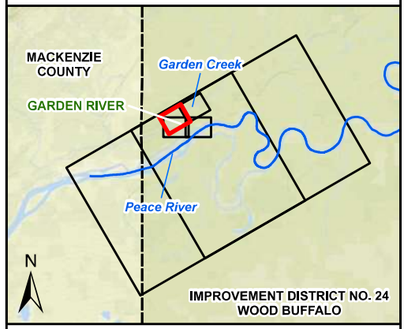


SHEET 4

Alberta Canada

nhc



- MAJOR HIGHWAY
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1009251	8-MAY-2026

GARDEN RIVER FLOOD STUDY
1:75 OPEN WATER FLOOD INUNDATION MAP

SHEET 3 OF 6

JY, P:_Projects (Active)\1009251 Garden River Flood Study\90_GIS\400 OW Mapping\1009251_OW_Inundation_Library_FINAL.aprx



SHEET 3

Alberta Canada

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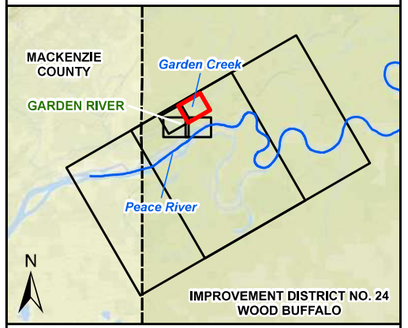

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GARDEN RIVER FLOOD STUDY
1:75 OPEN WATER FLOOD INUNDATION MAP

SHEET 4 OF 6

JY, P:_Projects (Active)\1009251 Garden River Flood Study\90_GIS\400 OW Mapping\1009251_OW_Inundation_Library_FINAL.aprx

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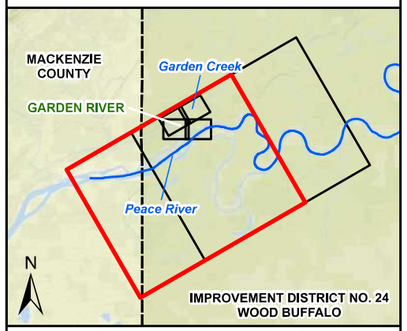

SHEET 6

- MAJOR HIGHWAY
- LOCAL ROAD
- BRIDGE
- STUDY BOUNDARY
- RIVER CENTRELINE
- 100 m RIVER STATION
- 1 KM RIVER STATION
- FLOW DIRECTION

FLOOD INUNDATION EXTENT

- Directly Flooded

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0 0.5 1 1.5 2 2.5 3 Km

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GARDEN RIVER FLOOD STUDY

1:75 OPEN WATER FLOOD INUNDATION MAP

SHEET 5 OF 6

JY_P:_Projects (Active)\1009251 Garden River Flood Study\90_GIS\400 OW Mapping\1009251_OW_Inundation_Library_FINAL.aprx

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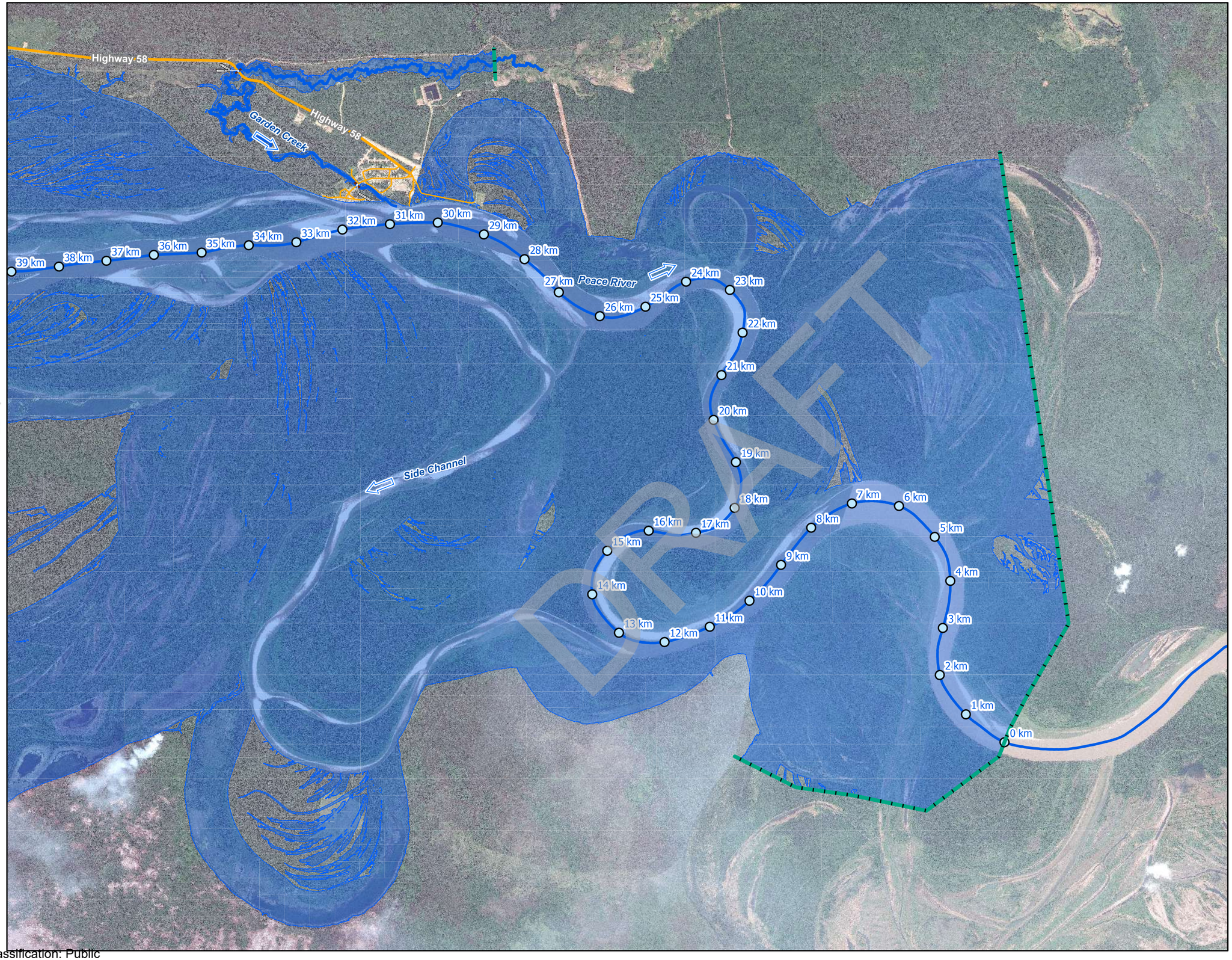
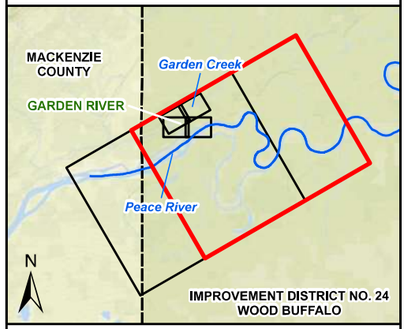


SHEET 5

Alberta Canada

nhc



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GARDEN RIVER FLOOD STUDY
1:75 OPEN WATER FLOOD INUNDATION MAP

SHEET 6 OF 6

JY, P:_Projects (Active)\1009251 Garden River Flood Study\90_GIS\400 OW Mapping\1009251_OW_Inundation_Library_FINAL.aprx

Classification: Public

1:100 OPEN WATER FLOOD INUNDATION MAP

(SHEETS 1 TO 6)

DRAFT

Classification: Public

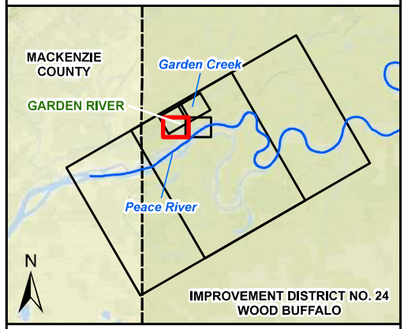
SHEET 3



SHEET 2

Alberta Canada

nhc



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FLOOD INUNDATION EXTENT

- Directly Flooded

DISCHARGE
PEACE RIVER = 18,200 m^3/s
GARDEN CREEK = 105.0 m^3/s

SCALE - 1:10,000
0 0.1 0.1 0.2 0.3 0.3 0.4 Km

N

Coordinate System: NAD 1983 CSRS 3TM 114;
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GARDEN RIVER FLOOD STUDY
1:100 OPEN WATER FLOOD INUNDATION MAP

SHEET 1 OF 6

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SHEET 1



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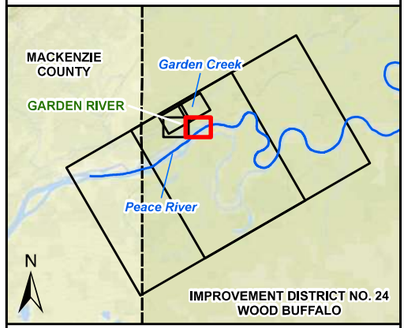

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GARDEN RIVER FLOOD STUDY
1:100 OPEN WATER FLOOD INUNDATION MAP

SHEET 2 OF 6

JY, P:_Projects (Active)\1009251 Garden River Flood Study\90_GIS\400 OW Mapping\1009251_OW_Inundation_Library_FINAL.aprx

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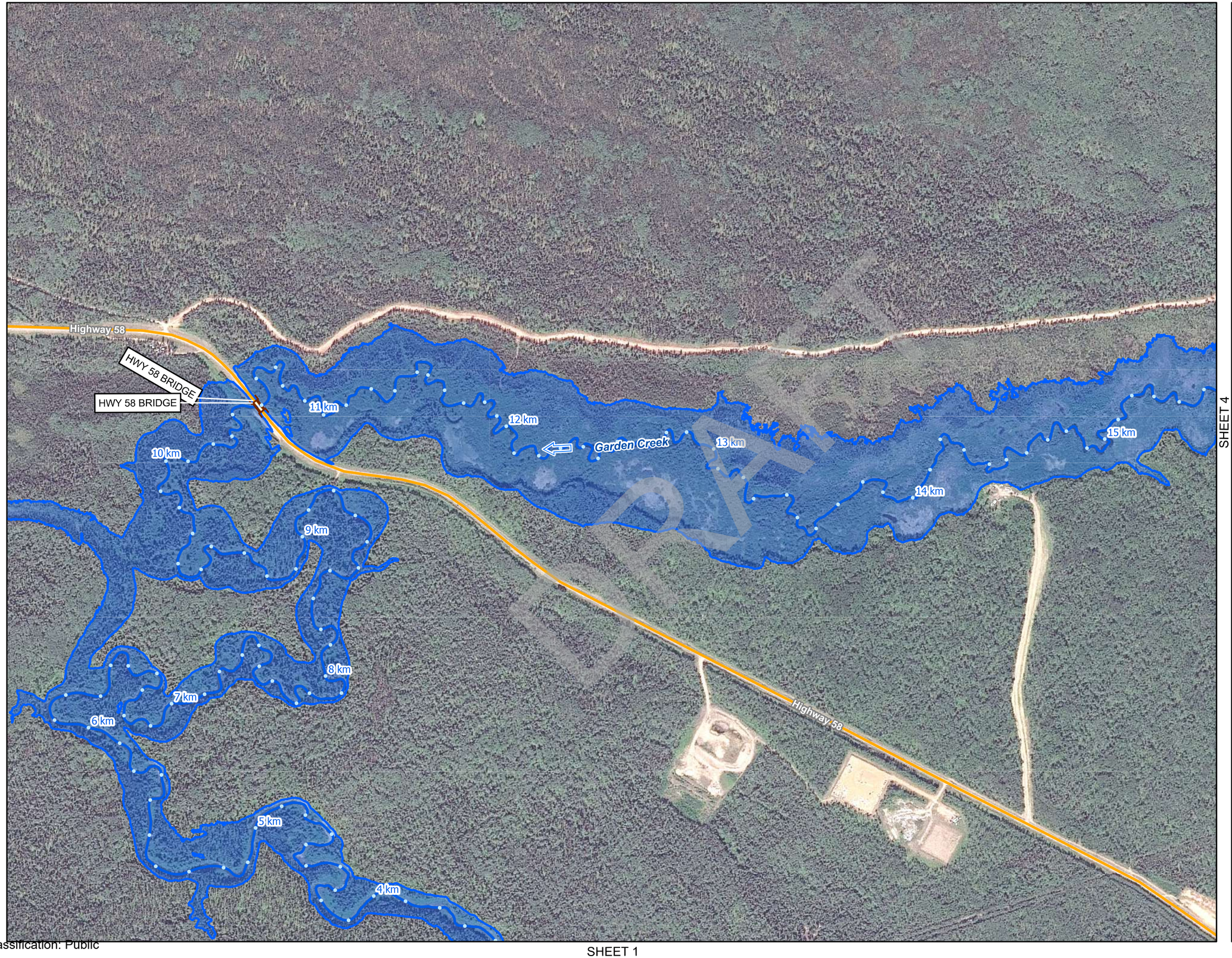

Alberta Canada

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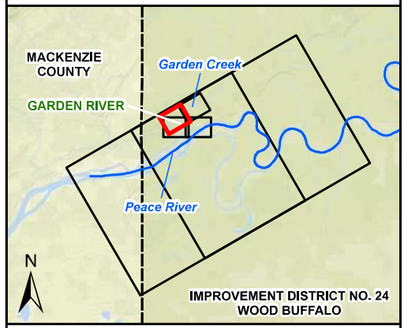

SHEET 4

- MAJOR HIGHWAY
- LOCAL ROAD
- BRIDGE
- STUDY BOUNDARY
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FLOOD INUNDATION EXTENT

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GARDEN CREEK = 105.0 m^3/s

SCALE - 1:10,000
0 0.1 0.1 0.2 0.3 0.3 0.4 Km

N

Coordinate System: NAD 1983 CSRS 3TM 114;
Vertical Datum: CGVD28 HTv2.0; Units: Metres

Engineer	GIS	Reviewer
DJH	JY/DJH	RBA

Job Number	Date
1009251	8-MAY-2026

GARDEN RIVER FLOOD STUDY
1:100 OPEN WATER FLOOD INUNDATION MAP

SHEET 3 OF 6

JY, P:_Projects (Active)\1009251 Garden River Flood Study\90_GIS\400 OW Mapping\1009251_OW_Inundation_Library_FINAL.aprx

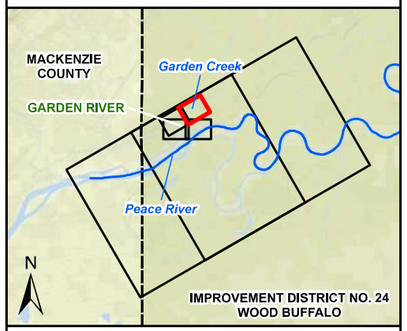
Classification: Public

SHEET 3

15 km
16 km
17 km
18 km
19 km
20 km
Garden Creek
Highway 58

Alberta Canada

nhc



- MAJOR HIGHWAY
- LOCAL ROAD
- BRIDGE
- STUDY BOUNDARY
- RIVER CENTRELINE
- 100 m RIVER STATION
- 1 KM RIVER STATION
- FLOW DIRECTION

FLOOD INUNDATION EXTENT
- Directly Flooded

DISCHARGE
PEACE RIVER = 18,200 m^3/s
GARDEN CREEK = 105.0 m^3/s

SCALE - 1:10,000
0 0.1 0.1 0.2 0.3 0.3 0.4 Km

N

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GARDEN RIVER FLOOD STUDY
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SHEET 4 OF 6

JY, P:_Projects (Active)\1009251 Garden River Flood Study\90_GIS\400 OW Mapping\1009251_OW_Inundation_Library_FINAL.aprx

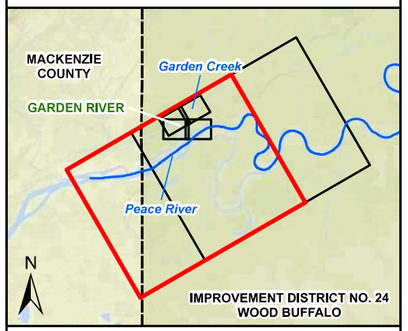
Classification: Public



SHEET 6

Alberta Canada

nhc



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GARDEN CREEK = 105.0 m^3/s

SCALE - 1:75,000
0 0.5 1 1.5 2 2.5 3 Km

N

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GARDEN RIVER FLOOD STUDY
1:100 OPEN WATER FLOOD INUNDATION MAP

SHEET 5 OF 6

J:\Y_P_Projects (Active)\1009251 Garden River Flood Study\90_GIS\400 OW Mapping\1009251_OW_Inundation_Library_FINAL.aprx

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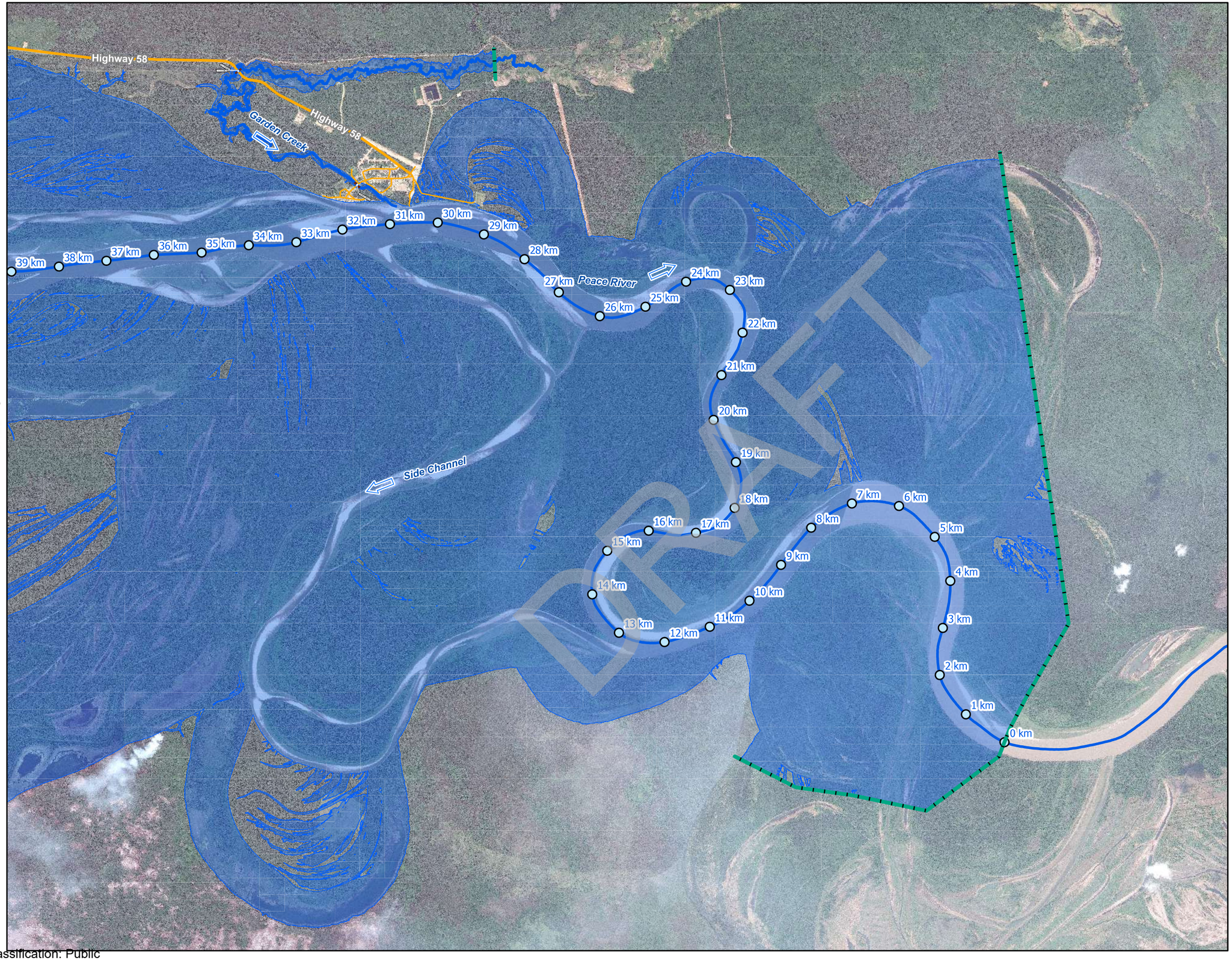
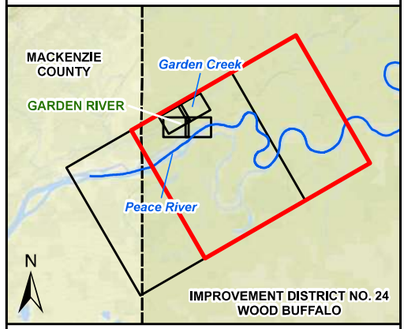


SHEET 5

Alberta Canada

nhc



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SHEET 6 OF 6

JY, P:_Projects (Active)\1009251 Garden River Flood Study\90_GIS\400 OW Mapping\1009251_OW_Inundation_Library_FINAL.aprx

Classification: Public

1:200 OPEN WATER FLOOD INUNDATION MAP

(SHEETS 1 TO 6)

DRAFT

Classification: Public

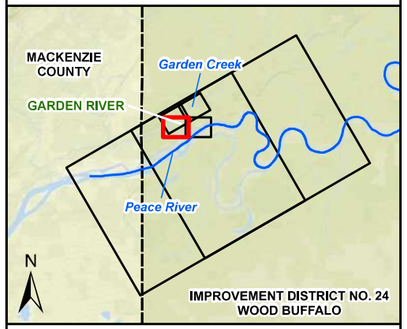
SHEET 3



SHEET 2

Alberta Canada

nhc



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GARDEN RIVER FLOOD STUDY
1:200 OPEN WATER FLOOD INUNDATION MAP

SHEET 1 OF 6

JY, P:_Projects (Active)\1009251 Garden River Flood Study\90_GIS\400 OW Mapping\1009251_OW_Inundation_Library_FINAL.aprx

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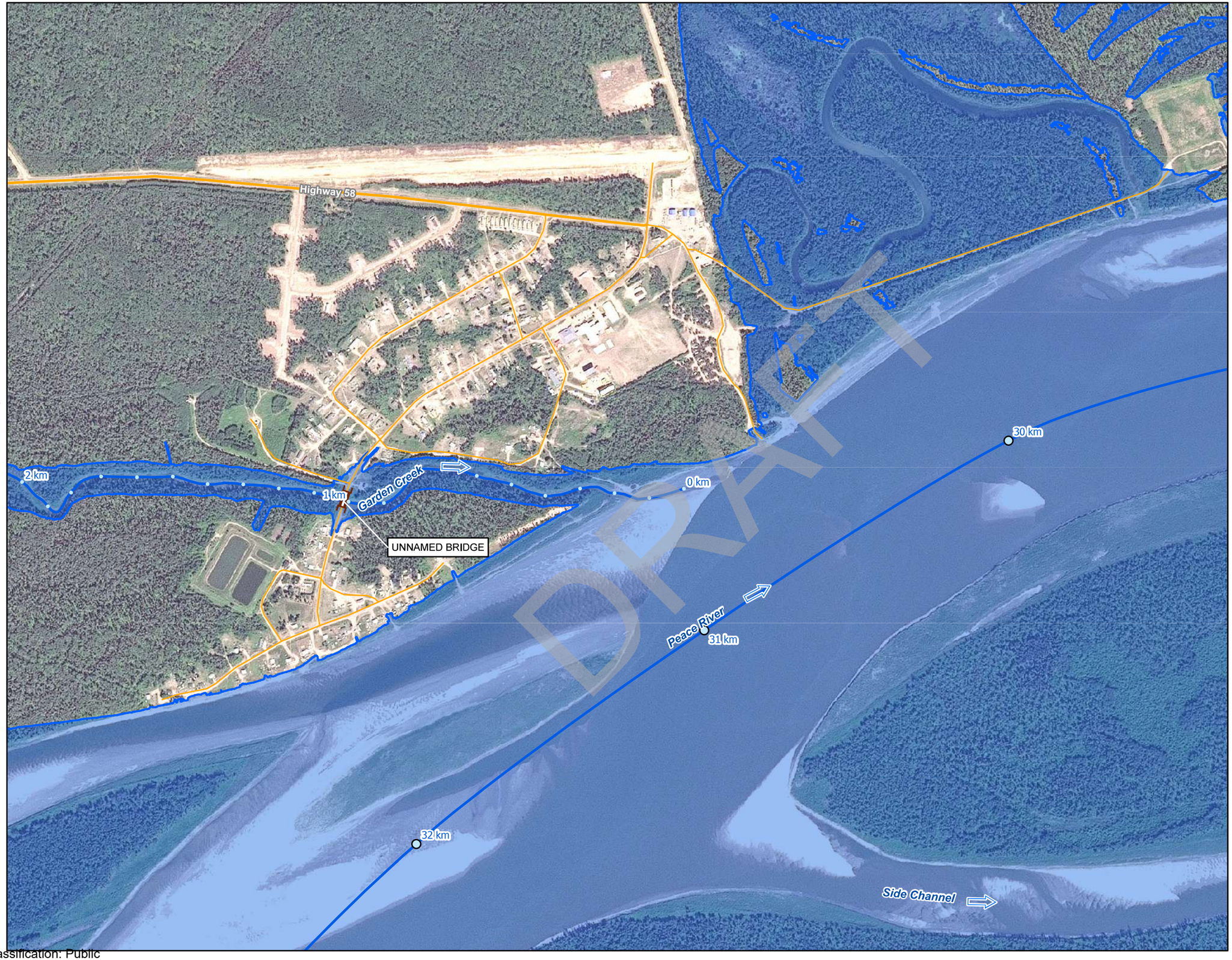
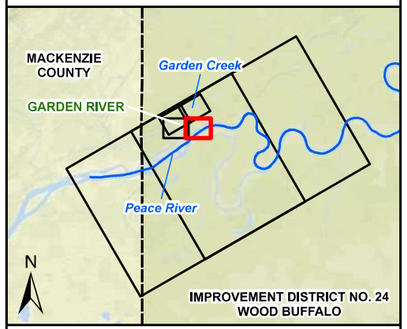


SHEET 1

Alberta Canada

nhc



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GARDEN RIVER FLOOD STUDY
1:200 OPEN WATER FLOOD INUNDATION MAP

SHEET 2 OF 6

JY, P:_Projects (Active)\1009251 Garden River Flood Study\90_GIS\400 OW Mapping\1009251_OW_Inundation_Library_FINAL.aprx

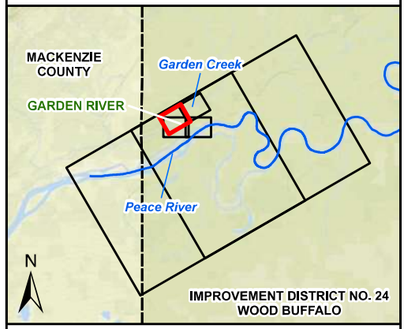
Classification: Public



SHEET 4

Alberta Canada

nhc



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GARDEN RIVER FLOOD STUDY
1:200 OPEN WATER FLOOD INUNDATION MAP

SHEET 3 OF 6

JY, P:_Projects (Active)\1009251 Garden River Flood Study\90_GIS\400 OW Mapping\1009251_OW_Inundation_Library_FINAL.aprx

Classification: Public

SHEET 3

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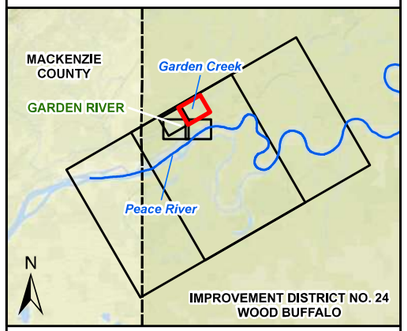

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GARDEN RIVER FLOOD STUDY
1:200 OPEN WATER FLOOD INUNDATION MAP

SHEET 4 OF 6

JY, P:_Projects (Active)\1009251 Garden River Flood Study\90_GIS\400 OW Mapping\1009251_OW_Inundation_Library_FINAL.aprx

Classification: Public



SHEET 6

Alberta Canada

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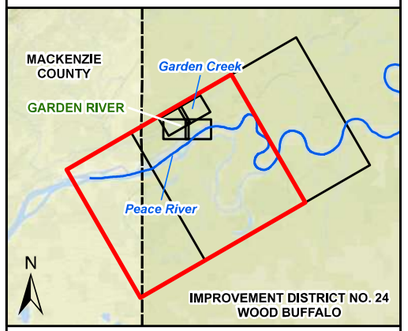

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FLOOD INUNDATION EXTENT

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SCALE - 1:75,000
0 0.5 1 1.5 2 2.5 3 Km

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Engineer	GIS	Reviewer
DJH	JY/DJH	RBA

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GARDEN RIVER FLOOD STUDY
1:200 OPEN WATER FLOOD INUNDATION MAP

SHEET 5 OF 6

JY_P:_Projects (Active)\1009251 Garden River Flood Study\90_GIS\400 OW Mapping\1009251_OW_Inundation_Library_FINAL.aprx

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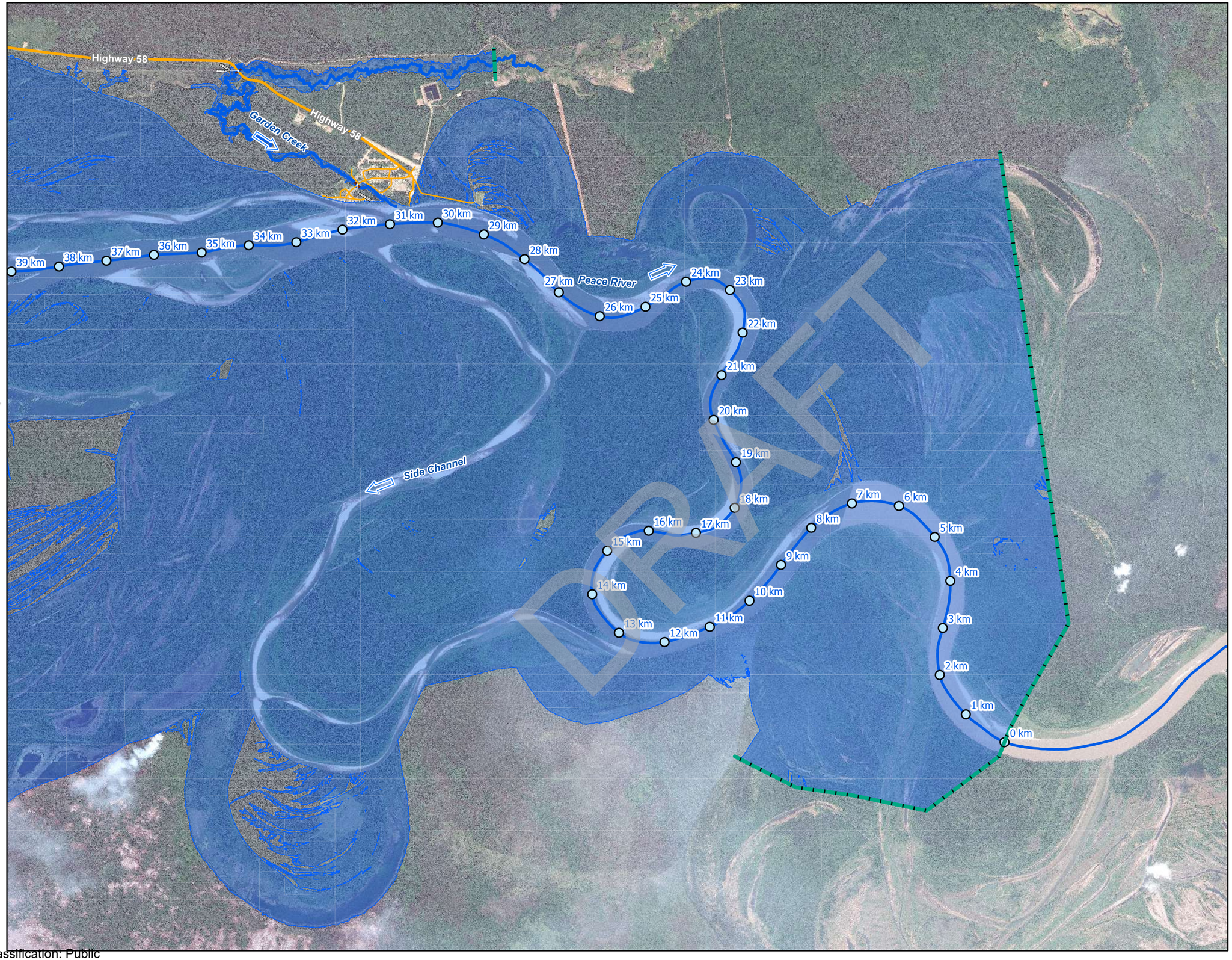
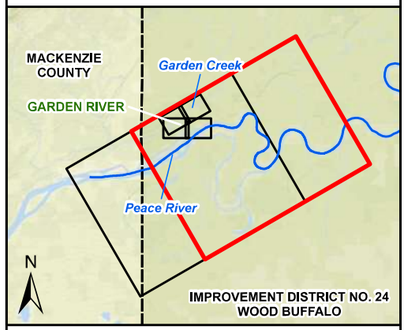


SHEET 5

Alberta Canada

nhc



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1009251	8-MAY-2026

GARDEN RIVER FLOOD STUDY
1:200 OPEN WATER FLOOD INUNDATION MAP

SHEET 6 OF 6

JY, P:_Projects (Active)\1009251 Garden River Flood Study\90_GIS\400 CW Mapping\1009251_OW_Inundation_Library_FINAL.aprx

Classification: Public

1:350 OPEN WATER FLOOD INUNDATION MAP

(SHEETS 1 TO 6)

DRAFT

Classification: Public

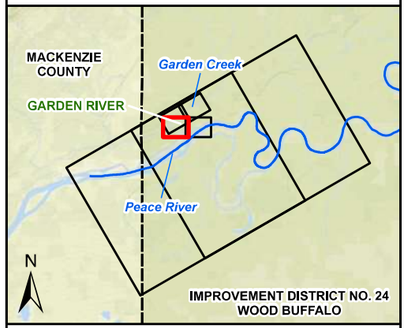
SHEET 3



SHEET 2

Alberta Canada

nhc



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FLOOD INUNDATION EXTENT

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DISCHARGE
PEACE RIVER = 21,400 m^3/s
GARDEN CREEK = 134.0 m^3/s

SCALE - 1:10,000
0 0.1 0.1 0.2 0.3 0.3 0.4 Km

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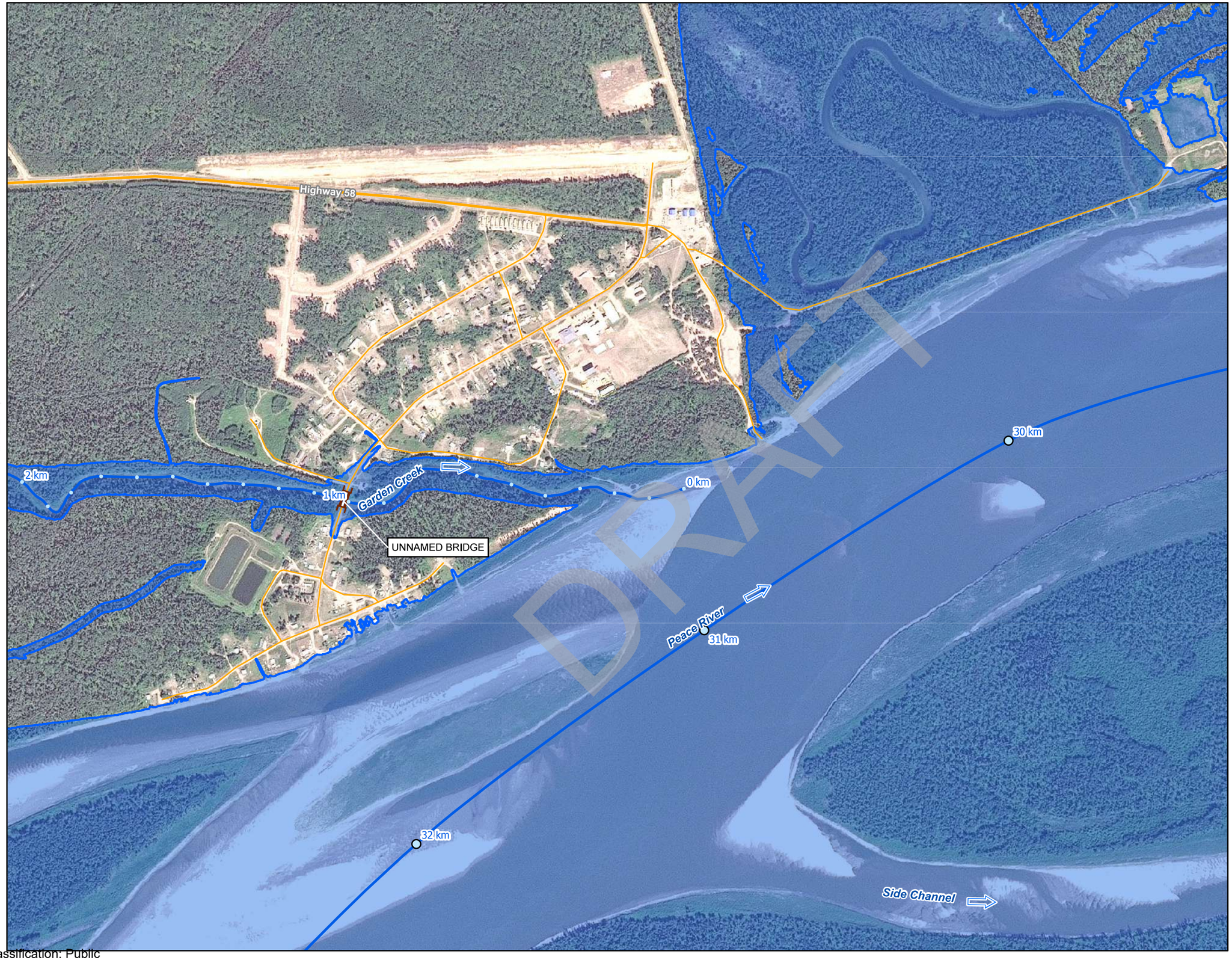
GARDEN RIVER FLOOD STUDY
1:350 OPEN WATER FLOOD INUNDATION MAP

SHEET 1 OF 6

J:\Y_P_Projects (Active)\1009251 Garden River Flood Study\90_GIS\400 OW Mapping\1009251_OW_Inundation_Library_FINAL.aprx

Classification: Public

SHEET 1



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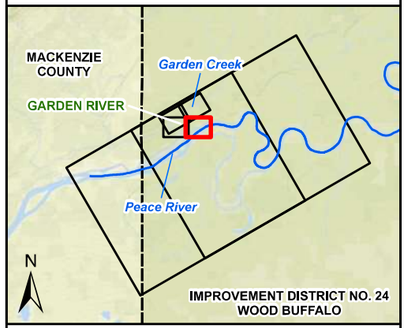

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GARDEN RIVER FLOOD STUDY
1:350 OPEN WATER FLOOD INUNDATION MAP

SHEET 2 OF 6

JY, P:_Projects (Active)\1009251 Garden River Flood Study\90_GIS\400 OW Mapping\1009251_OW_Inundation_Library_FINAL.aprx

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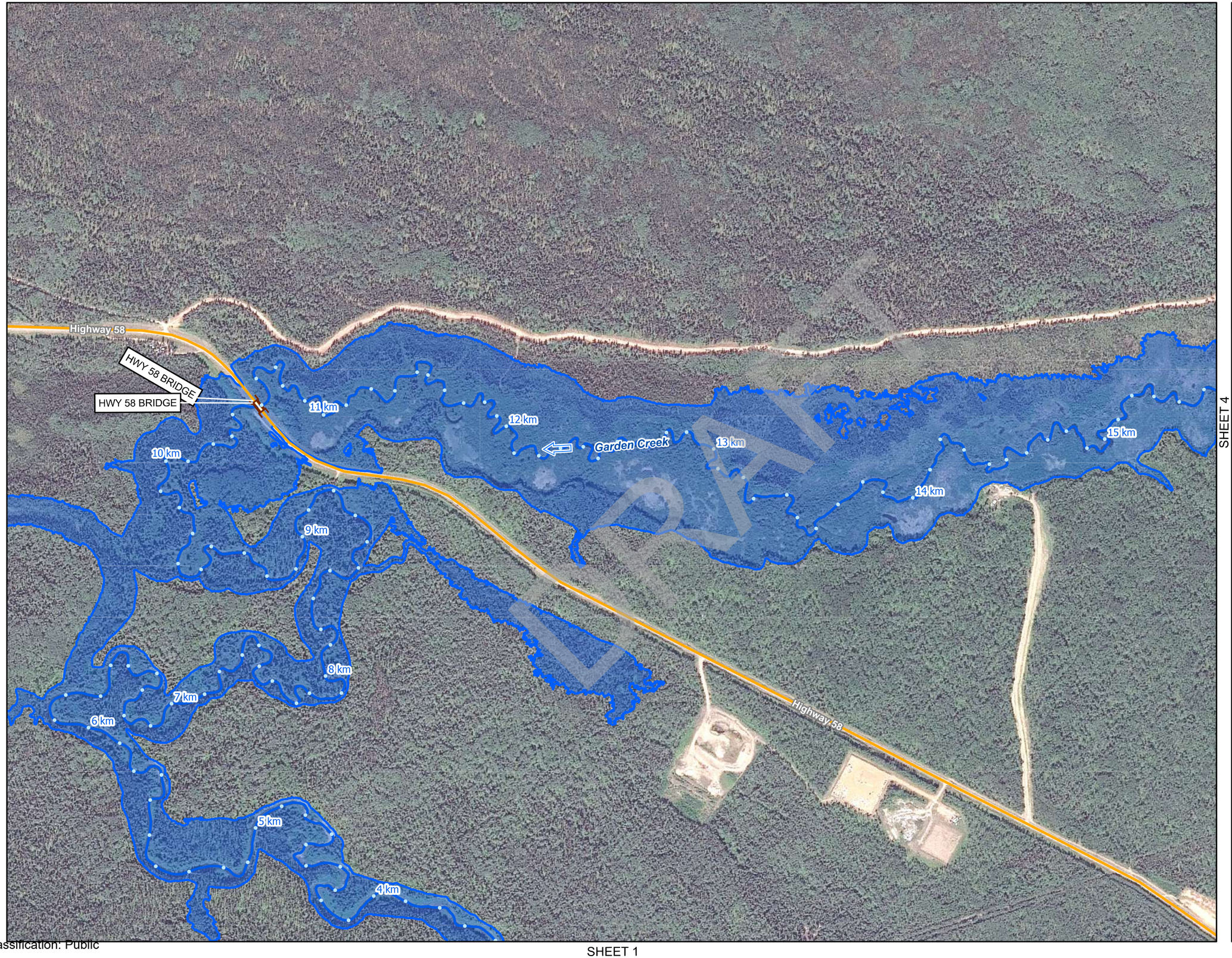

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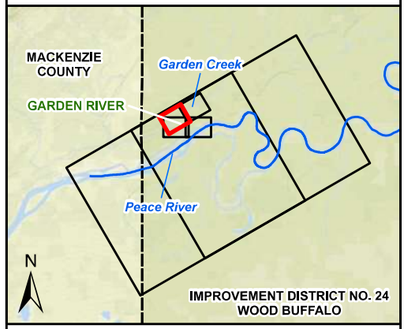

SHEET 4

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GARDEN RIVER FLOOD STUDY
1:350 OPEN WATER FLOOD INUNDATION MAP

SHEET 3 OF 6

JY, P:_Projects (Active)\1009251 Garden River Flood Study\90_GIS\400 OW Mapping\1009251_OW_Inundation_Library_FINAL.aprx

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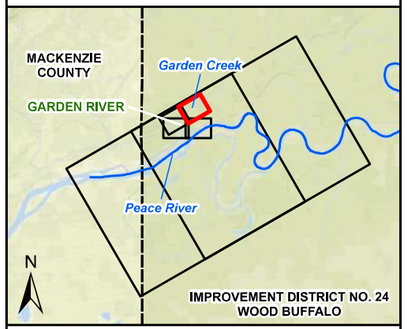
SHEET 3

Alberta Canada

nhc



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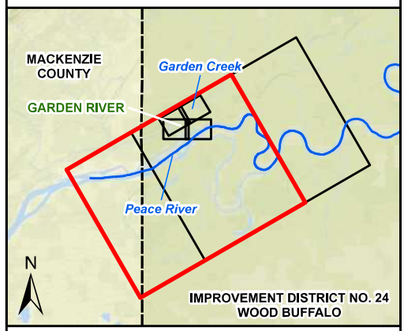

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GARDEN RIVER FLOOD STUDY
1:350 OPEN WATER FLOOD INUNDATION MAP

SHEET 5 OF 6

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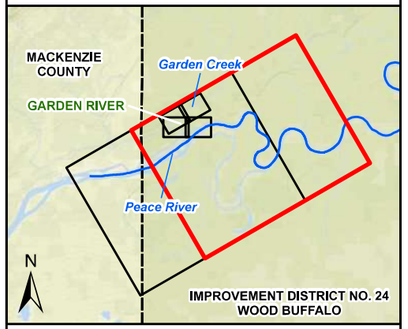
Classification: Public



SHEET 5

Alberta Canada

nhc



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GARDEN RIVER FLOOD STUDY

1:350 OPEN WATER FLOOD INUNDATION MAP

SHEET 6 OF 6

JY, P:_Projects (Active)\1009251 Garden River Flood Study\90_GIS\400 OW Mapping\1009251_OW_Inundation_Library_FINAL.aprx

Classification: Public

1:500 OPEN WATER FLOOD INUNDATION MAP

(SHEETS 1 TO 6)

DRAFT

Classification: Public

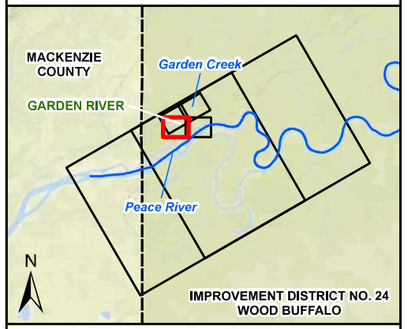
SHEET 3



SHEET 2

Alberta Canada

nhc



- MAJOR HIGHWAY
- LOCAL ROAD
- BRIDGE
- STUDY BOUNDARY
- RIVER CENTRELINE
- 100 m RIVER STATION
- 1 KM RIVER STATION
- FLOW DIRECTION

FLOOD INUNDATION EXTENT

- Directly Flooded

DISCHARGE
PEACE RIVER = 22,400 m^3/s
GARDEN CREEK = 142.0 m^3/s

SCALE - 1:10,000
0 0.1 0.1 0.2 0.3 0.3 0.4 Km

N

Coordinate System: NAD 1983 CSRS 3TM 114;
Vertical Datum: CGVD28 HTv2.0; Units: Metres

Engineer	GIS	Reviewer
DJH	JY/DJH	RBA

Job Number	Date
1009251	8-MAY-2026

GARDEN RIVER FLOOD STUDY

1:500 OPEN WATER FLOOD INUNDATION MAP

SHEET 1 OF 6

J:\Y_P_Projects (Active)\1009251 Garden River Flood Study\90_GIS\400 OW Mapping\1009251_OW_Inundation_Library_FINAL.aprx

Classification: Public



SHEET 1

Alberta Canada

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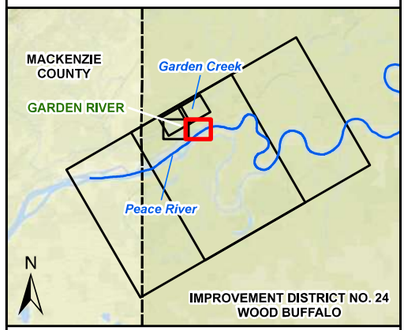

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1009251	8-MAY-2026

GARDEN RIVER FLOOD STUDY
1:500 OPEN WATER FLOOD INUNDATION MAP

SHEET 2 OF 6

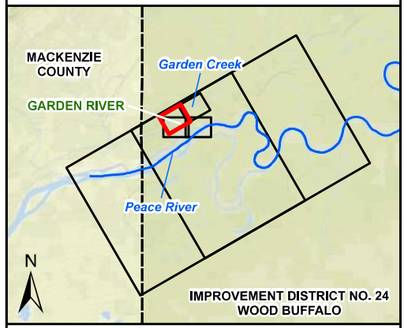
DRAFT

JY: P:_Projects (Active)\1009251 Garden River Flood Study\90_GIS\400 OW Mapping\1009251_OW_Inundation_Library_FINAL.aprx

Classification: Public

Alberta Canada

nhc



SHEET 4

MAJOR HIGHWAY
LOCAL ROAD
BRIDGE
STUDY BOUNDARY
RIVER CENTRELINE
100 m RIVER STATION
1 KM RIVER STATION
FLOW DIRECTION

FLOOD INUNDATION EXTENT
Directly Flooded

DISCHARGE
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GARDEN RIVER FLOOD STUDY
1:500 OPEN WATER FLOOD INUNDATION MAP

SHEET 3 OF 6

JY, P:_Projects (Active)\1009251 Garden River Flood Study\90_GIS\400 OW Mapping\1009251_OW_Inundation_Library_FINAL.aprx

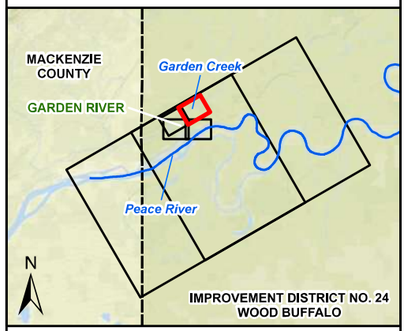
Classification: Public

SHEET 3

15 km
16 km
17 km
18 km
19 km
20 km
Garden Creek
Highway 58

Alberta Canada

nhc



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GARDEN RIVER FLOOD STUDY
1:500 OPEN WATER FLOOD INUNDATION MAP

SHEET 4 OF 6

JY, P:_Projects (Active)\1009251 Garden River Flood Study\90_GIS\400 OW Mapping\1009251_OW_Inundation_Library_FINAL.aprx

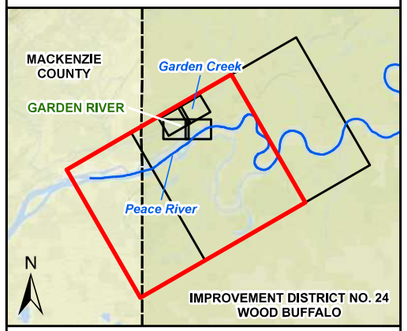
Classification: Public



SHEET 6

Alberta Canada

nhc



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- RIVER CENTRELINE
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- FLOW DIRECTION

FLOOD INUNDATION EXTENT

- Directly Flooded

DISCHARGE
PEACE RIVER = 22,400 m^3/s
GARDEN CREEK = 142.0 m^3/s

SCALE - 1:75,000
0 0.5 1 1.5 2 2.5 3 Km

Coordinate System: NAD 1983 CSRS 3TM 114;
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Engineer	GIS	Reviewer
DJH	JY/DJH	RBA

Job Number	Date
1009251	8-MAY-2026

GARDEN RIVER FLOOD STUDY
1:500 OPEN WATER FLOOD INUNDATION MAP

SHEET 5 OF 6

JY_P:_Projects (Active)\1009251 Garden River Flood Study\90_GIS\400 OW Mapping\1009251_OW_Inundation_Library_FINAL.aprx

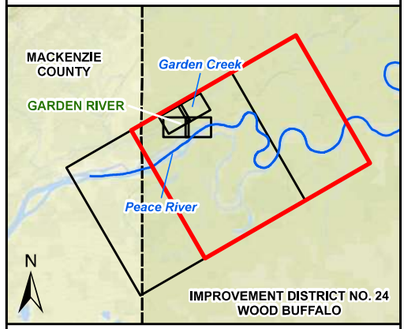
Classification: Public



SHEET 5

Alberta Canada

nhc



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Job Number	Date
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GARDEN RIVER FLOOD STUDY
1:500 OPEN WATER FLOOD INUNDATION MAP

SHEET 6 OF 6

JY, P:_Projects (Active)\1009251 Garden River Flood Study\90_GIS\400 OW Mapping\1009251_OW_Inundation_Library_FINAL.aprx

Classification: Public

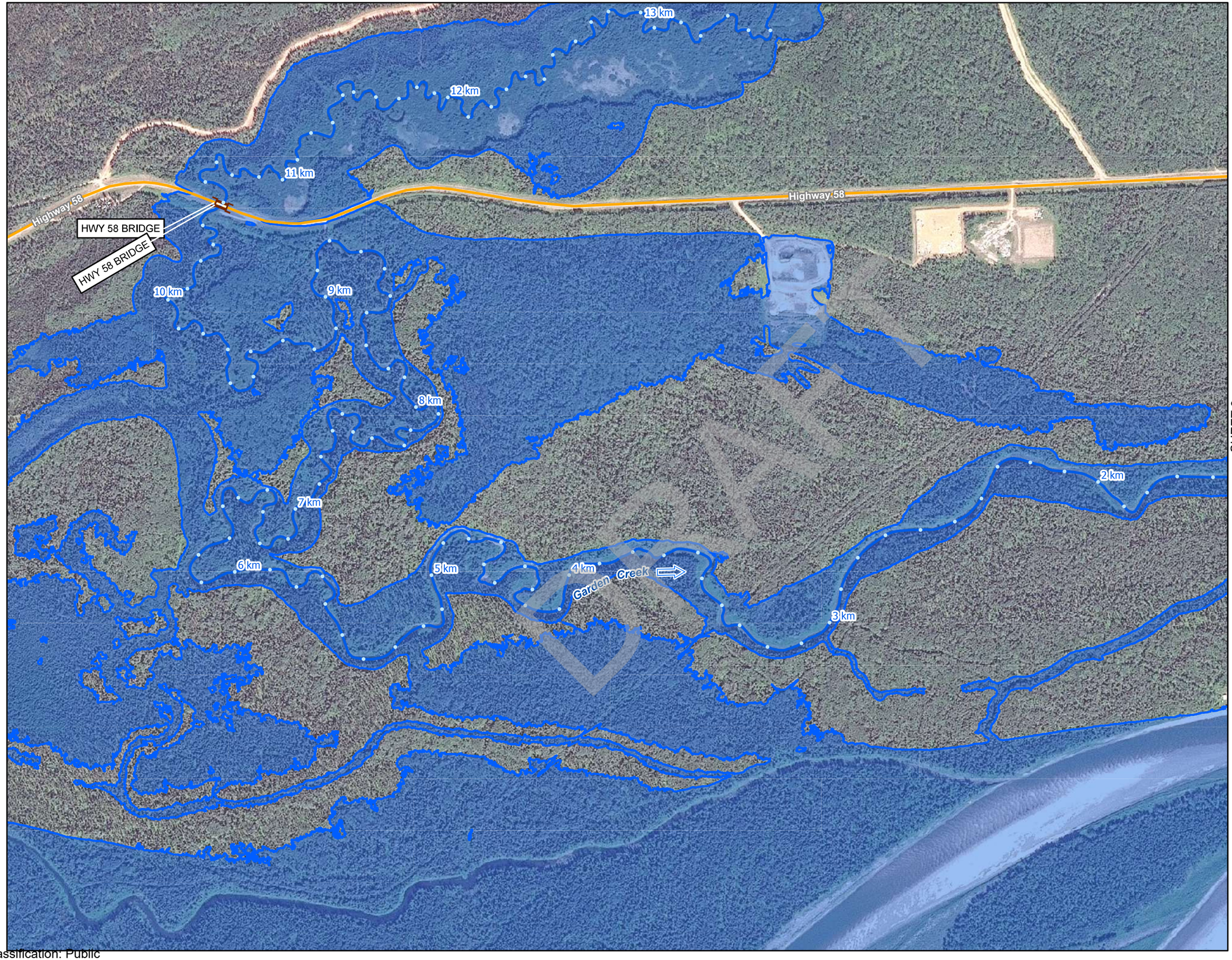
1:750 OPEN WATER FLOOD INUNDATION MAP

(SHEETS 1 TO 6)

DRAFT

Classification: Public

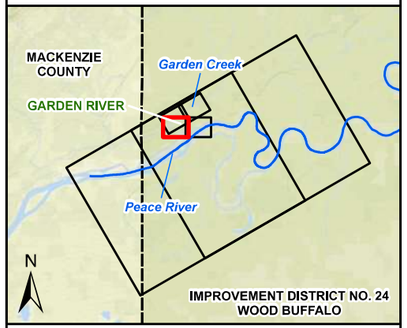
SHEET 3



SHEET 2

Alberta Canada

nhc



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- LOCAL ROAD
- BRIDGE
- STUDY BOUNDARY
- RIVER CENTRELINE
- 100 m RIVER STATION
- 1 KM RIVER STATION
- FLOW DIRECTION

FLOOD INUNDATION EXTENT

- Directly Flooded

DISCHARGE
PEACE RIVER = 23,500 m^3/s
GARDEN CREEK = 152.0 m^3/s

SCALE - 1:10,000
0 0.1 0.1 0.2 0.3 0.3 0.4 Km

N

Coordinate System: NAD 1983 CSRS 3TM 114;
Vertical Datum: CGVD28 HTv2.0; Units: Metres

Engineer	GIS	Reviewer
DJH	JY/DJH	RBA

Job Number	Date
1009251	8-MAY-2026

GARDEN RIVER FLOOD STUDY
1:750 OPEN WATER FLOOD INUNDATION MAP

SHEET 1 OF 6

J:\Y_P_Projects (Active)\1009251 Garden River Flood Study\90_GIS\400 OW Mapping\1009251_OW_Inundation_Library_FINAL.aprx

Classification: Public

SHEET 1



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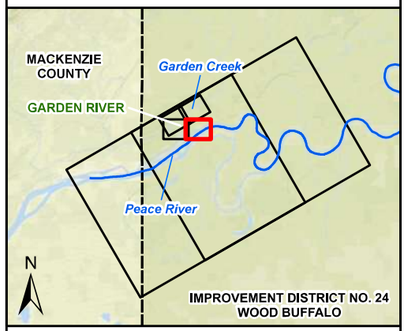

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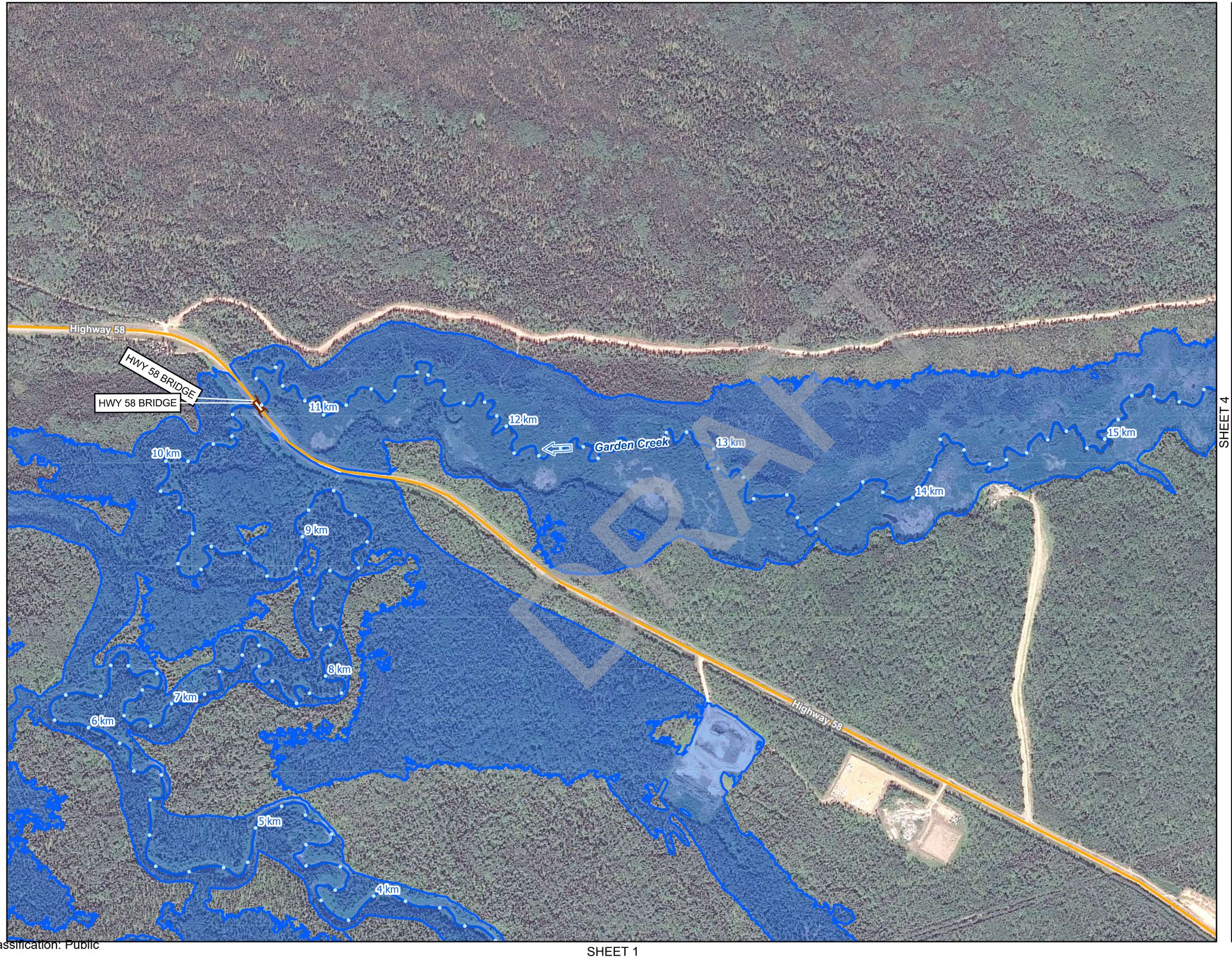
GARDEN RIVER FLOOD STUDY
1:750 OPEN WATER FLOOD INUNDATION MAP

SHEET 2 OF 6

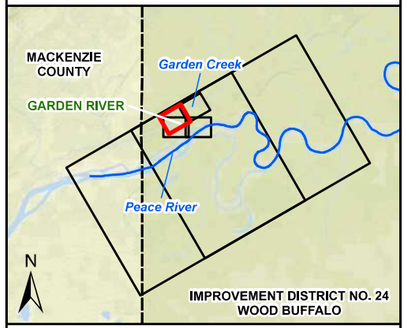
JY, P:_Projects (Active)\1009251 Garden River Flood Study\90_GIS\400 OW Mapping\1009251_OW_Inundation_Library_FINAL.aprx

Classification: Public



Alberta Canada

nhc



SHEET 4

- MAJOR HIGHWAY
- LOCAL ROAD
- BRIDGE
- STUDY BOUNDARY
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GARDEN RIVER FLOOD STUDY
1:750 OPEN WATER FLOOD INUNDATION MAP

SHEET 3 OF 6

JY, P:_Projects (Active)\1009251 Garden River Flood Study\90_GIS\400 OW Mapping\1009251_OW_Inundation_Library_FINAL.aprx

Classification: Public

SHEET 3

15 km
16 km
17 km
18 km
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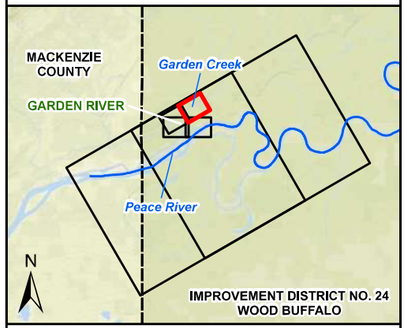
20 km
Garden Creek
Highway 58



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GARDEN RIVER FLOOD STUDY
1:750 OPEN WATER FLOOD INUNDATION MAP

SHEET 4 OF 6

J:\Y_P_Projects (Active)\1009251 Garden River Flood Study\90_GIS\400 OW Mapping\1009251_OW_Inundation_Library_FINAL.aprx

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SHEET 6

Alberta Canada

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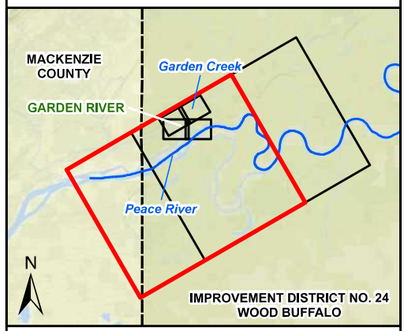

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GARDEN RIVER FLOOD STUDY
1:750 OPEN WATER FLOOD INUNDATION MAP

SHEET 5 OF 6

JY_P:_Projects (Active)\1009251 Garden River Flood Study\90_GIS\400 OW Mapping\1009251_OW_Inundation_Library_FINAL.aprx

Classification: Public



SHEET 5

Alberta Canada

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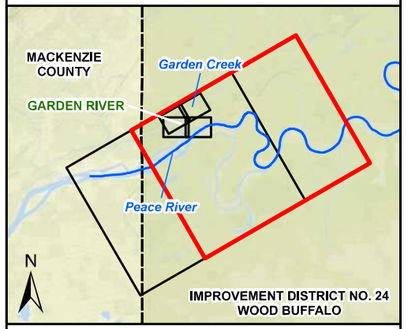

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Job Number	Date
1009251	8-MAY-2026

GARDEN RIVER FLOOD STUDY
1:750 OPEN WATER FLOOD INUNDATION MAP

SHEET 6 OF 6

J:\Y_P_Projects (Active)\1009251 Garden River Flood Study\90_GIS\400 GW Mapping\1009251_OW_Inundation_Library_FINAL.aprx

Classification: Public

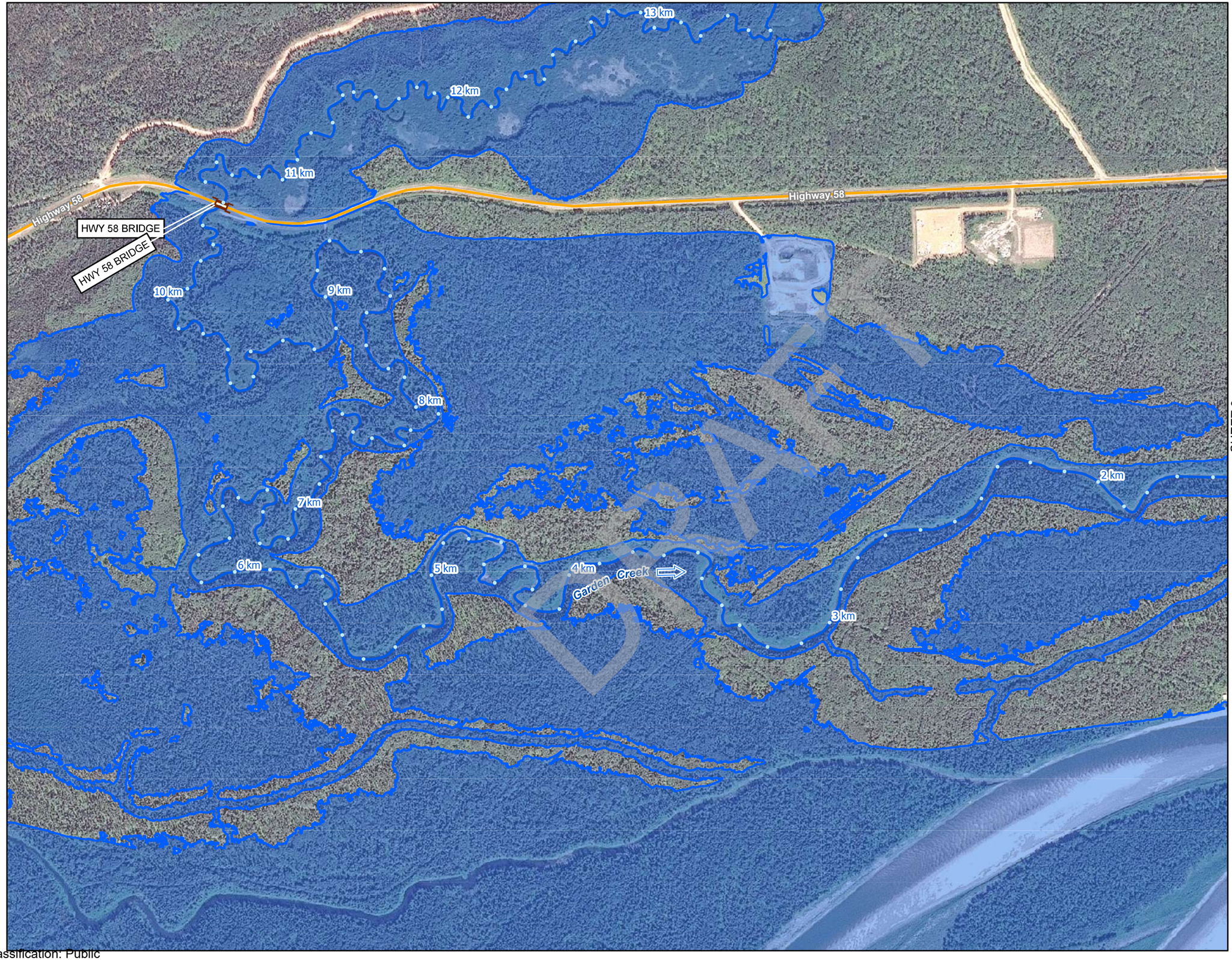
1:1000 OPEN WATER FLOOD INUNDATION MAP

(SHEETS 1 TO 6)

DRAFT

Classification: Public

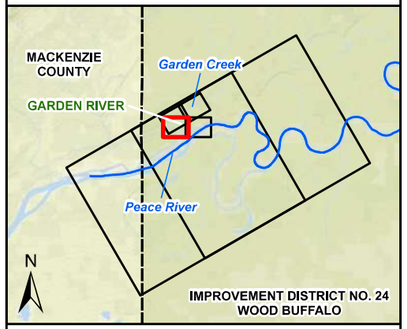
SHEET 3



SHEET 2

Alberta Canada

nhc



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FLOOD INUNDATION EXTENT

- Directly Flooded

DISCHARGE
PEACE RIVER = 24,300 m^3/s
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SCALE - 1:10,000
0 0.1 0.1 0.2 0.3 0.3 0.4 Km

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GARDEN RIVER FLOOD STUDY
1:1000 OPEN WATER FLOOD INUNDATION MAP

SHEET 1 OF 6

J:\Y_P:_Projects (Active)\1009251 Garden River Flood Study\90_GIS\400 OW Mapping\1009251_OW_Inundation_Library_FINAL.aprx

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SHEET 1



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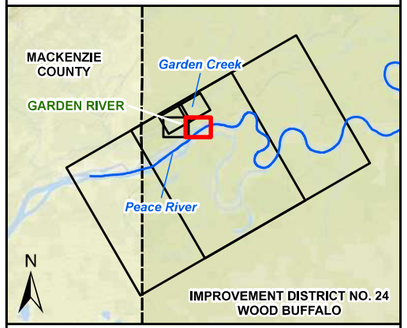

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GARDEN RIVER FLOOD STUDY
1:1000 OPEN WATER FLOOD INUNDATION MAP

SHEET 2 OF 6

JY, P:_Projects (Active)\1009251 Garden River Flood Study\90_GIS\400 OW Mapping\1009251_OW_Inundation_Library_FINAL.aprx

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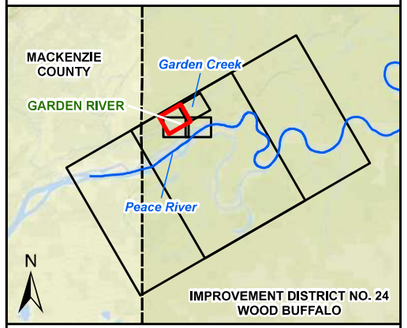
SHEET 4

Alberta Canada

nhc



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GARDEN RIVER FLOOD STUDY
1:1000 OPEN WATER FLOOD INUNDATION MAP

SHEET 3 OF 6

JY, P:_Projects (Active)\1009251 Garden River Flood Study\90_GIS\400 OW Mapping\1009251_OW_Inundation_Library_FINAL.aprx

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SHEET 3

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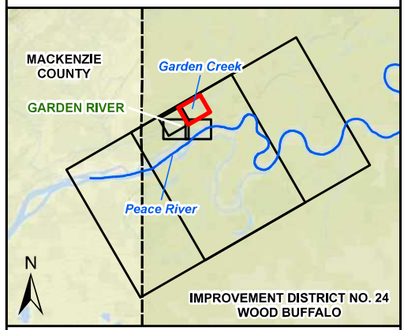

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GARDEN RIVER FLOOD STUDY
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SHEET 4 OF 6

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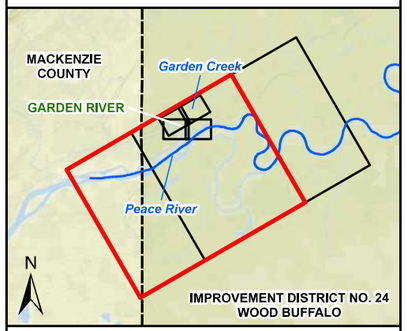
SHEET 6

Alberta Canada

nhc



- MAJOR HIGHWAY
- LOCAL ROAD
- BRIDGE
- STUDY BOUNDARY
- RIVER CENTRELINE
- 100 m RIVER STATION
- 1 KM RIVER STATION
- FLOW DIRECTION

FLOOD INUNDATION EXTENT

- Directly Flooded

DISCHARGE
PEACE RIVER = 24,300 m^3/s
GARDEN CREEK = 158.0 m^3/s

SCALE - 1:75,000
0 0.5 1 1.5 2 2.5 3 Km

N

Coordinate System: NAD 1983 CSRS 3TM 114;
Vertical Datum: CGVD28 HTv2.0; Units: Metres

Engineer	GIS	Reviewer
DJH	JY/DJH	RBA

Job Number	Date
1009251	8-MAY-2026

GARDEN RIVER FLOOD STUDY
1:1000 OPEN WATER FLOOD INUNDATION MAP

SHEET 5 OF 6

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Classification: Public



SHEET 5

Alberta Canada

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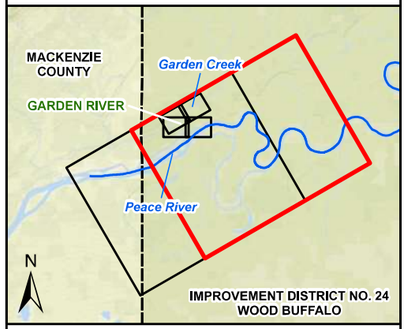

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SHEET 6 OF 6

JY, P:_Projects (Active)\1009251 Garden River Flood Study\90_GIS\400 OW Mapping\1009251_OW_Inundation_Library_FINAL.aprx

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