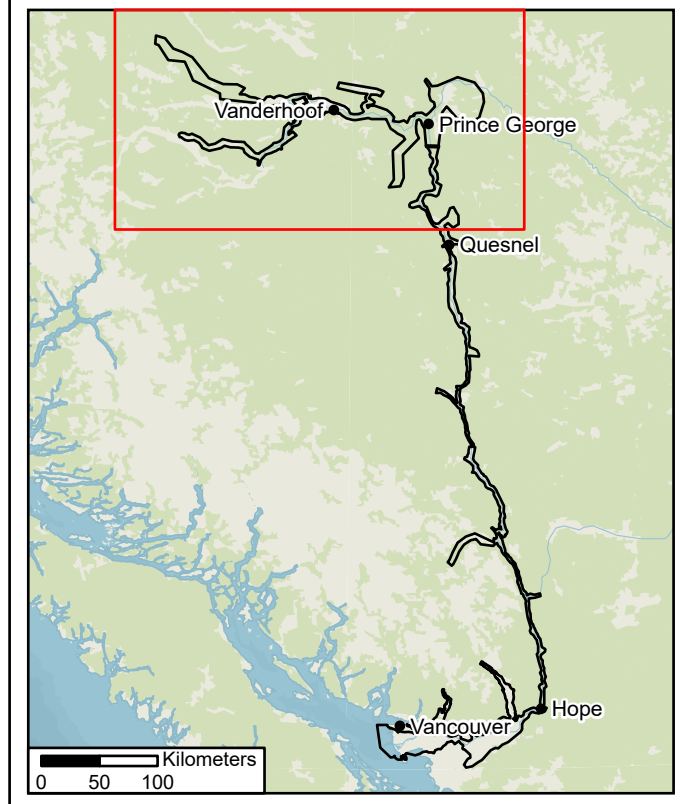


LEGEND

NECHAKO PROJECT EXTENT	LiDAR Data Source Provider, Capture Date	
ROADS	BC,2016	NRCAN,2019
RAILWAYS	BC,2017	NRCAN,2020
STREAMS	BC,2018	CITY OF BURNABY,2015
WATERCOURSE	BC,2019	CITY OF SURREY,2013
BASE INFLOW	BC,2020	CITY OF VANCOUVER,2013
NECHAKO STRUCTURES	BC,2021	

- NOTES:
1. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
 2. HORIZONTAL PROJECTION AND DATUM: NAD83 UTM ZONE 10N. VERTICAL DATUM: CGVD2013.
 3. PLACENAME AND ROAD DATA FROM OPEN STREET MAPS, DOWNLOADED AUGUST 27, 2024.
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 5. PROPERTY DATA FROM BC INTEGRATED CADASTRAL FABRIC, DOWNLOADED AUGUST 27, 2024.
 6. BASEMAP DATA SOURCE: ARCGIS ONLINE
 7. MAP TO BE READ IN CONJUNCTION WITH KCB REPORT "NECHAKO 2024 DAM BREACH ASSESSMENT".

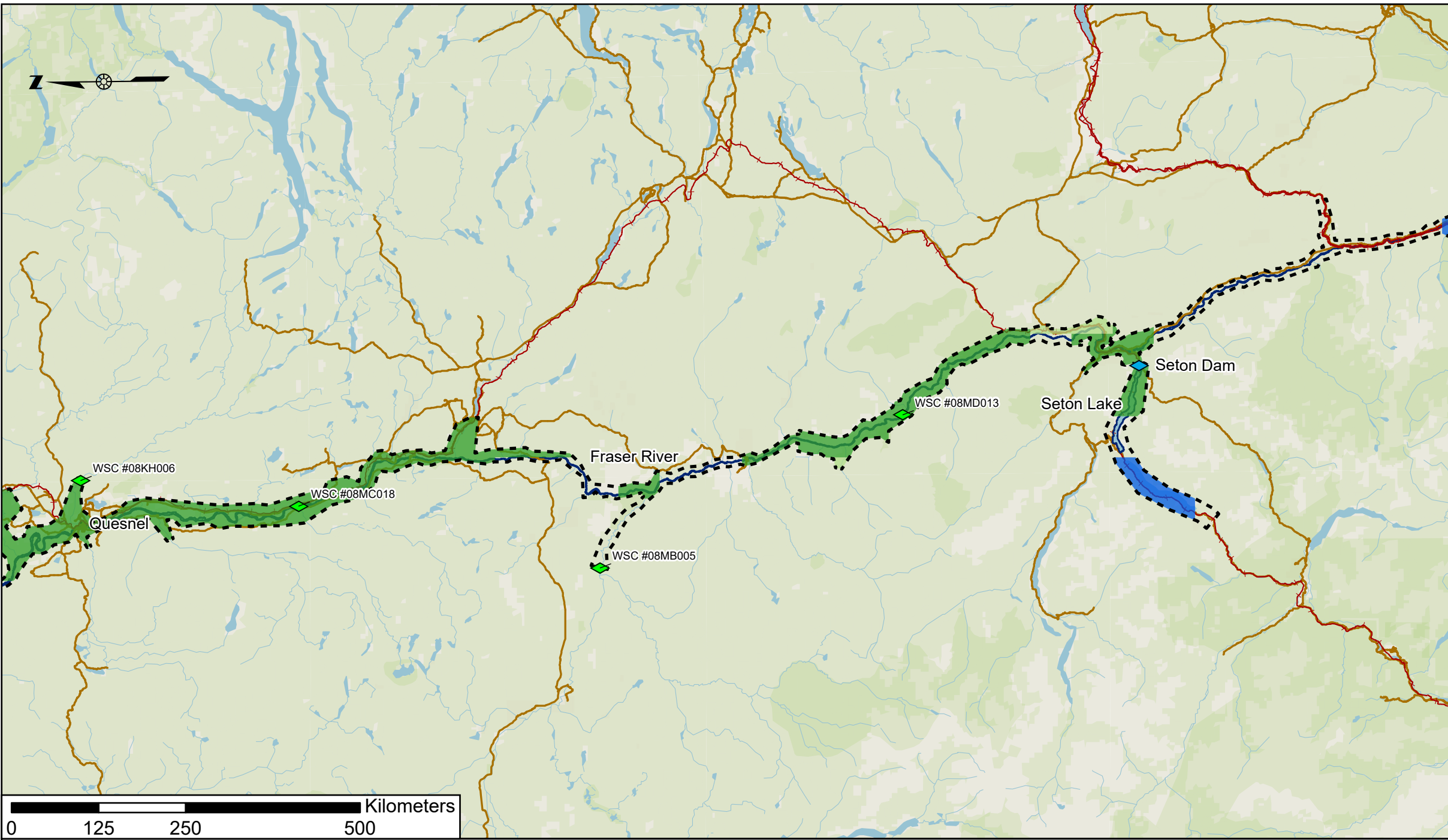
THIS MAP IS AN INSTRUMENT OF SERVICE OF KLOHN CRIPPEN BERGER (KCB). THE MAP HAS BEEN PREPARED FOR THE EXCLUSIVE USE OF RIO TINTO (RTA) FOR THE SPECIFIC APPLICATION TO THE NECHAKO RESERVOIR, AND IT MAY NOT BE RELIED UPON BY ANY OTHER PARTY WITHOUT KCB'S WRITTEN CONSENT.



NECHAKO 2024 DAM BREACH ASSESSMENT

DATA SITE OVERVIEW

DATE	6/20/2025	
SCALE	1:1,100,000	PROJECT No. P10436A04
		Map No. 01-1



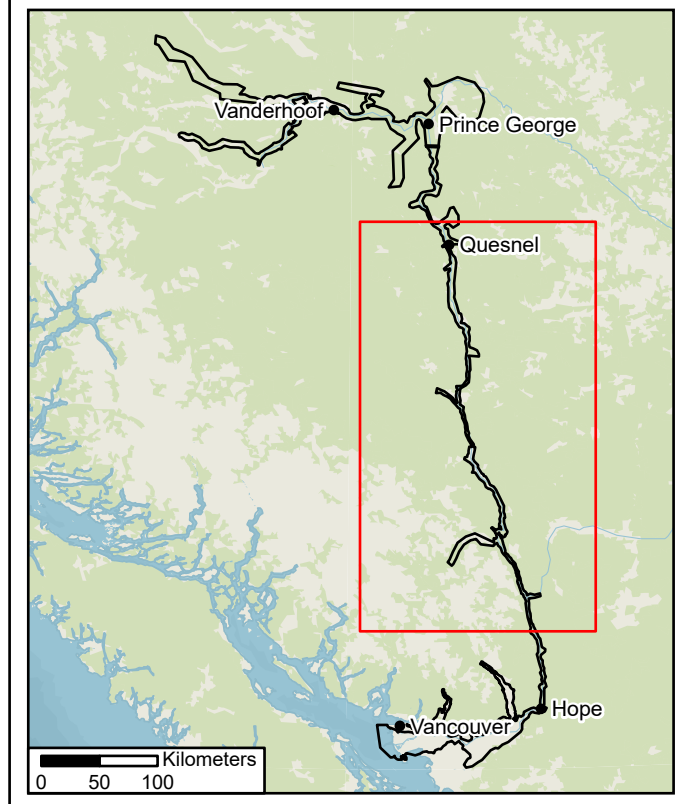
LEGEND

- | | | |
|------------------------|---|------------------------|
| NECHAKO PROJECT EXTENT | LiDAR Data Source Provider, Capture Date | |
| ROADS | BC,2016 | NRCAN,2019 |
| RAILWAYS | BC,2017 | NRCAN,2020 |
| STREAMS | BC,2018 | CITY OF BURNABY,2015 |
| WATERCOURSE | BC,2019 | CITY OF SURREY,2013 |
| BASE INFLOW | BC,2020 | CITY OF VANCOUVER,2013 |
| NECHAKO STRUCTURES | BC,2021 | |

NOTES:

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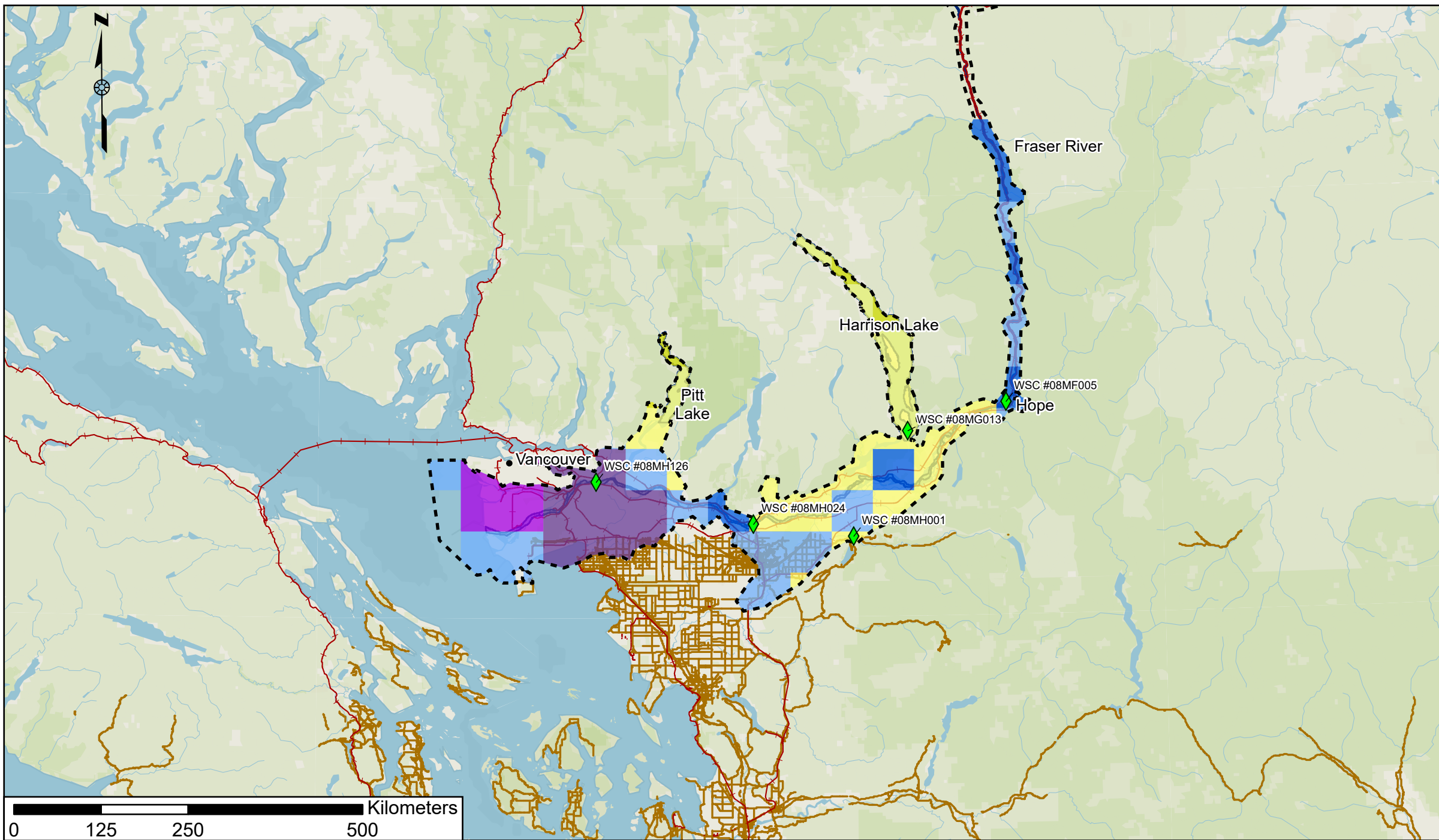
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NECHAKO 2024 DAM BREACH ASSESSMENT

DATA SITE OVERVIEW

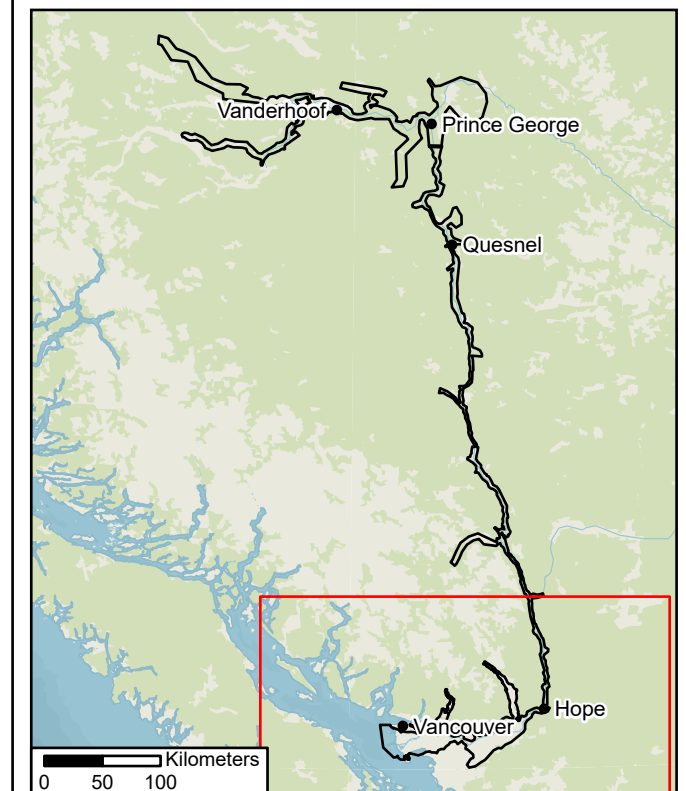
DATE	6/20/2025	
SCALE	1:1,100,000	PROJECT No. P10436A04
		Map No. 01-2



NOTES:

1. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
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3. PLACENAME AND ROAD DATA FROM OPEN STREET MAPS, DOWNLOADED AUGUST 27, 2024.
4. WATERCOURSE DATA FROM NATIONAL RESOURCES CANADA NATIONAL HYDROGRAPHIC NETWORK, DOWNLOADED AUGUST 27, 2024.
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LEGEND

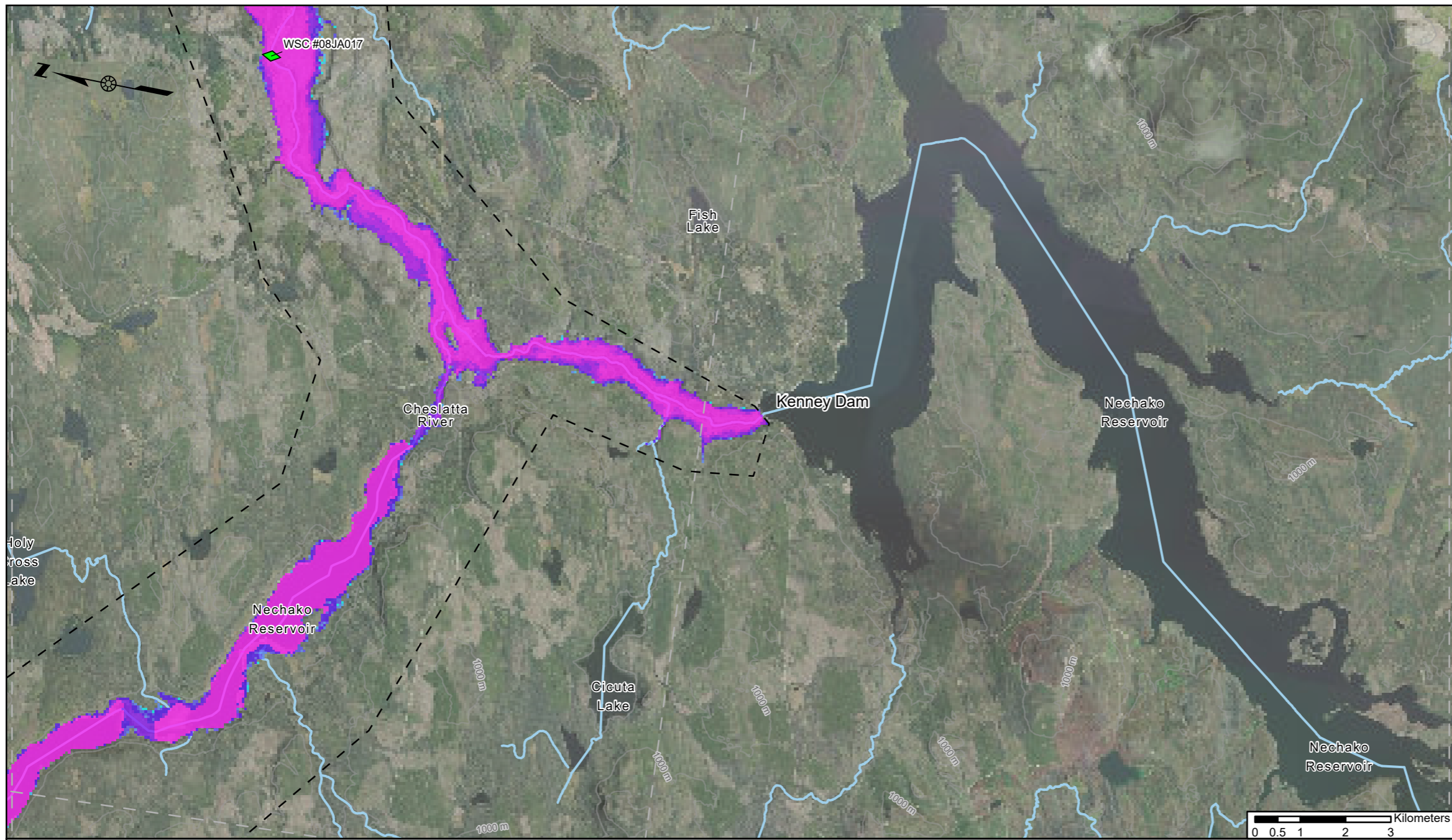
- | | | |
|------------------------|---|------------------------|
| NECHAKO PROJECT EXTENT | LiDAR Data Source Provider, Capture Date | |
| ROADS | BC,2016 | NRCAN,2019 |
| RAILWAYS | BC,2017 | NRCAN,2020 |
| STREAMS | BC,2018 | CITY OF BURNABY,2015 |
| WATERCOURSE | BC,2019 | CITY OF SURREY,2013 |
| BASE INFLOW | BC,2020 | CITY OF VANCOUVER,2013 |
| NECHAKO STRUCTURES | BC,2021 | |



NECHAKO 2024 DAM BREACH ASSESSMENT

DATA SITE OVERVIEW

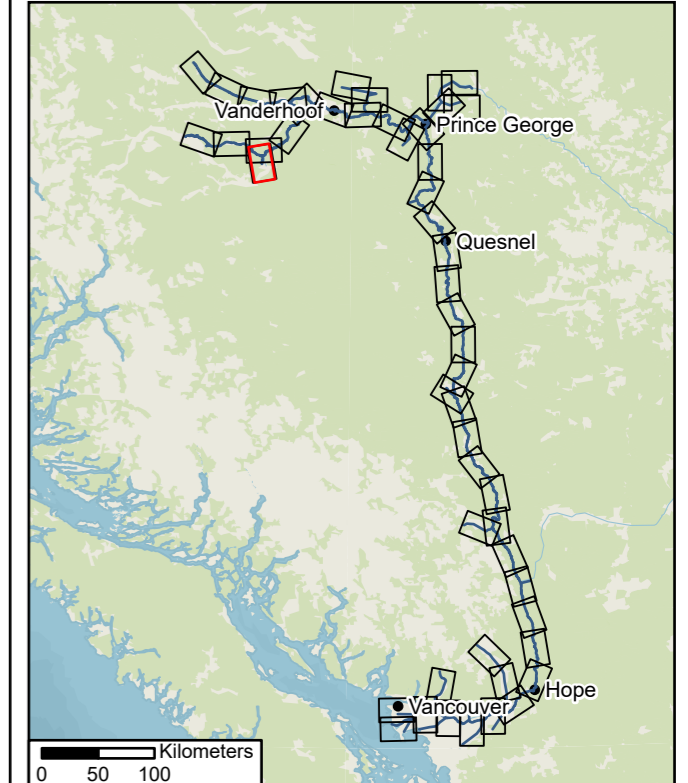
DATE	6/20/2025	
SCALE	1:1,100,000	PROJECT No. P10436A04
		Map No. 01-3



NOTES:

1. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
2. HORIZONTAL PROJECTION AND DATUM: NAD83 UTM ZONE 10N. VERTICAL DATUM: CGVD2013.
3. PLACENAME AND ROAD DATA FROM OPEN STREET MAPS, DOWNLOADED AUGUST 27, 2024.
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LEGEND

	CITY BOUNDARY		WATERCOURSE	MAXIMUM FLOW DEPTH (m)
	MAP SHEET EXTENT		INDEX CONTOURS (100 m)	
	MODEL EXTENT		CROSS-SECTION	
	BUILDING		BASE INFLOW	
	RAILWAY		< 0.3	
	PRIMARY ROAD		0.3 - 0.5	
			0.5 - 1	
			1 - 2	
			2 - 5	
			5 - 10	
			10 - 15	
			15 - 20	
			> 20	

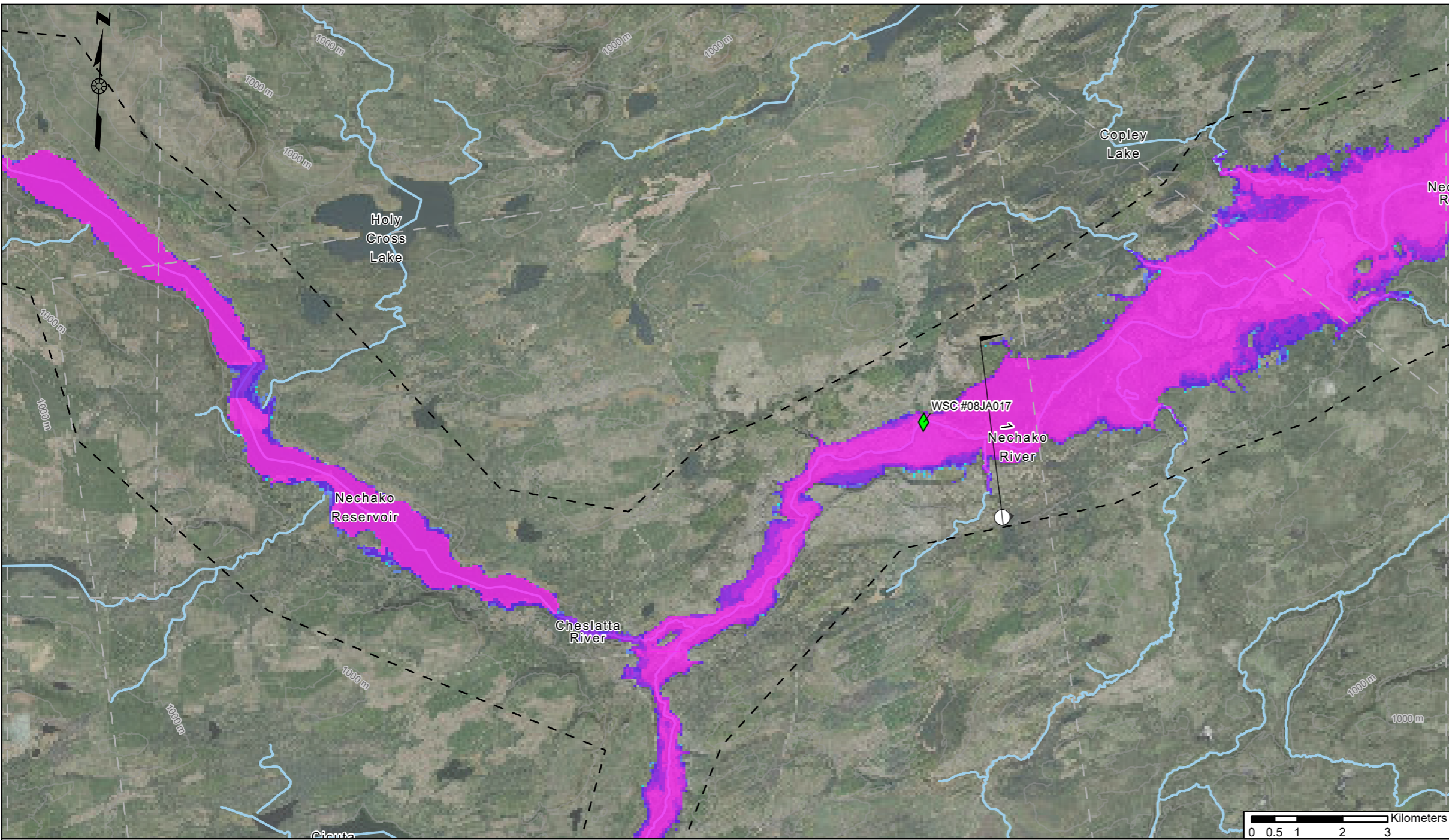
RioTinto **Klohn Crippen Berger**

NECHAKO 2024 DAM BREACH ASSESSMENT

**KENNEY DAM FAIR WEATHER FAILURE
MAXIMUM FLOW DEPTH**

DATE 6/20/2025

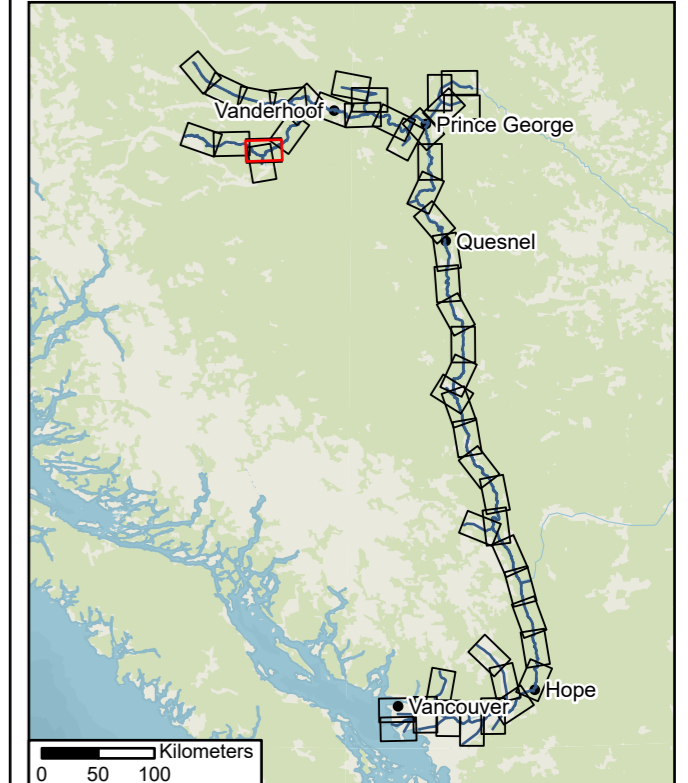
SCALE 1:100,000	PROJECT NO. P10436A04	MAP NO. 02-1
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NOTES:

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ID	Max Water Level (m)	Peak Flow (m3/s)	Front Arrival Time (dd hh:mm)	Peak Arrival Time (dd hh:mm)	Flood Duration (dd)
1	758.4	117120	0d 01:10	0d 03:00	4

LEGEND

CITY BOUNDARY	WATERCOURSE	MAXIMUM FLOW DEPTH (m)
MAP SHEET EXTENT	INDEX CONTOURS (100 m)	
MODEL EXTENT	CROSS-SECTION	
BUILDING	BASE INFLOW	
RAILWAY		
PRIMARY ROAD		
		0.3 - 0.5
		0.5 - 1
		1 - 2
		2 - 5
		5 - 10
		10 - 15
		15 - 20
		> 20

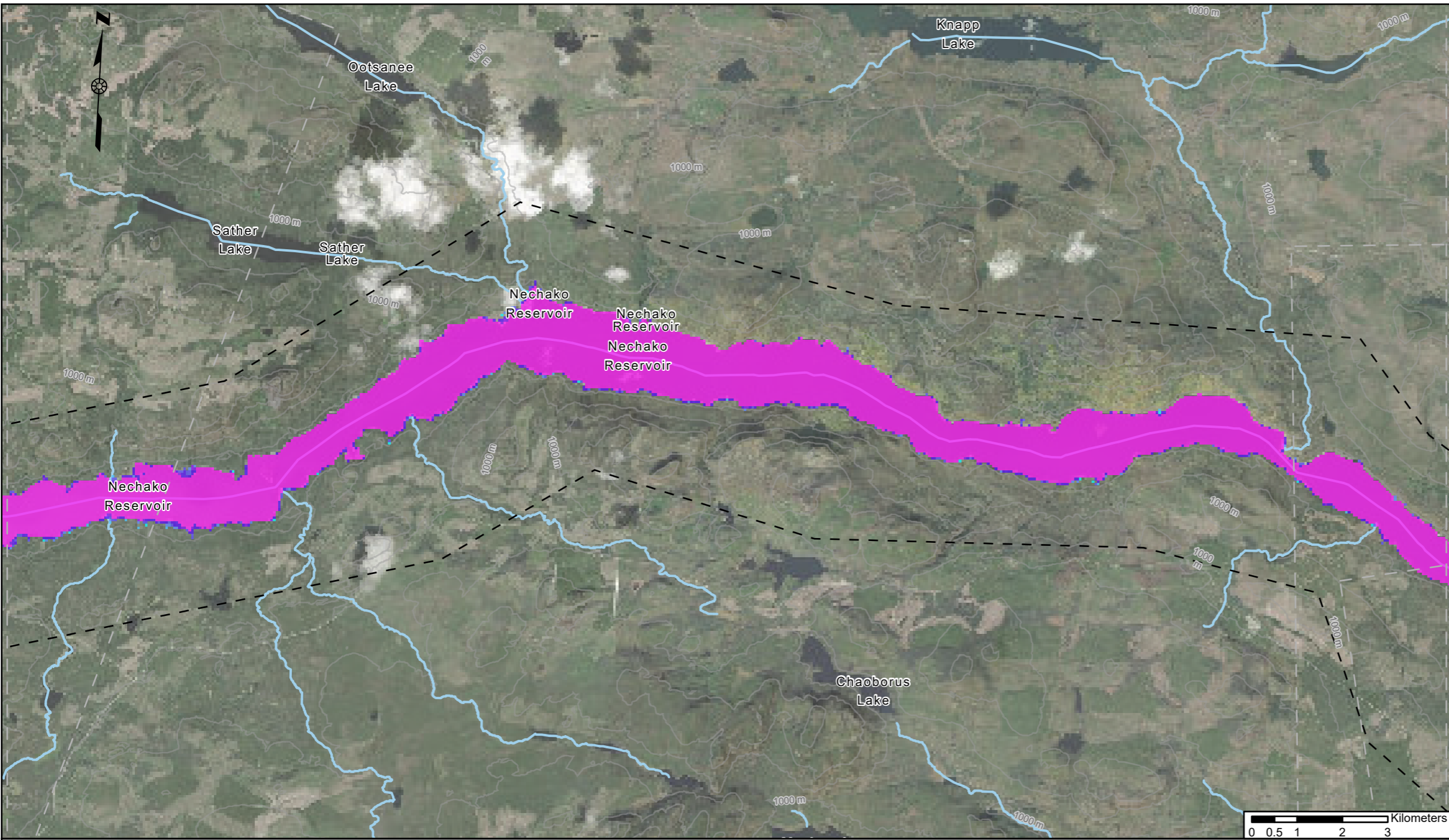
RioTinto **Klohn Crippen Berger**

NECHAKO 2024 DAM BREACH ASSESSMENT

KENNEY DAM FAIR WEATHER FAILURE
MAXIMUM FLOW DEPTH

DATE 6/20/2025

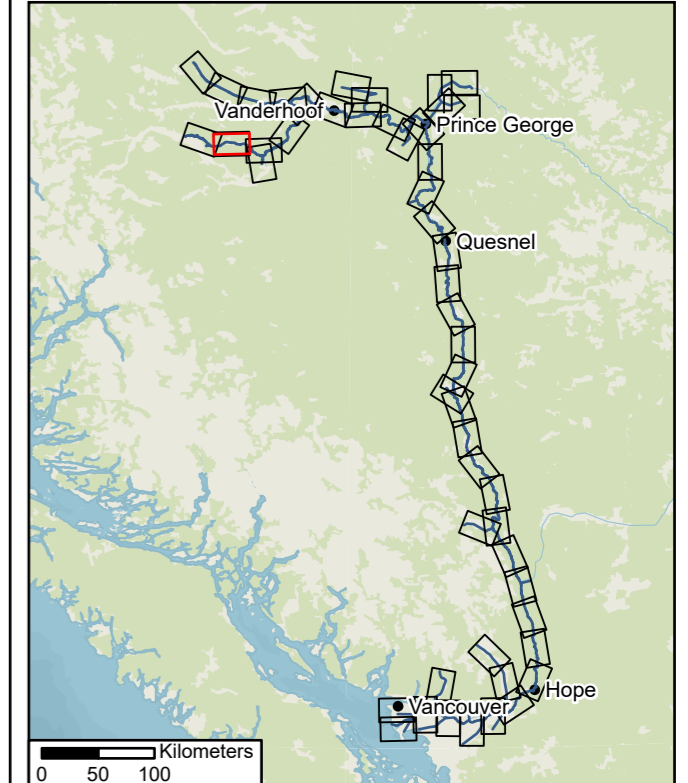
SCALE 1:100,000	PROJECT NO. P10436A04	MAP NO. 02-2
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NOTES:

1. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
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LEGEND

	CITY BOUNDARY		WATERCOURSE	MAXIMUM FLOW DEPTH (m) < 0.3 0.3 - 0.5 0.5 - 1 1 - 2 2 - 5 5 - 10 10 - 15 15 - 20 > 20
	MAP SHEET EXTENT		INDEX CONTOURS (100 m)	
	MODEL EXTENT		CROSS-SECTION	
	BUILDING		BASE INFLOW	
	RAILWAY			
	PRIMARY ROAD			

RioTinto **Klohn Crippen Berger**

NECHAKO 2024 DAM BREACH ASSESSMENT

**KENNEY DAM FAIR WEATHER FAILURE
MAXIMUM FLOW DEPTH**

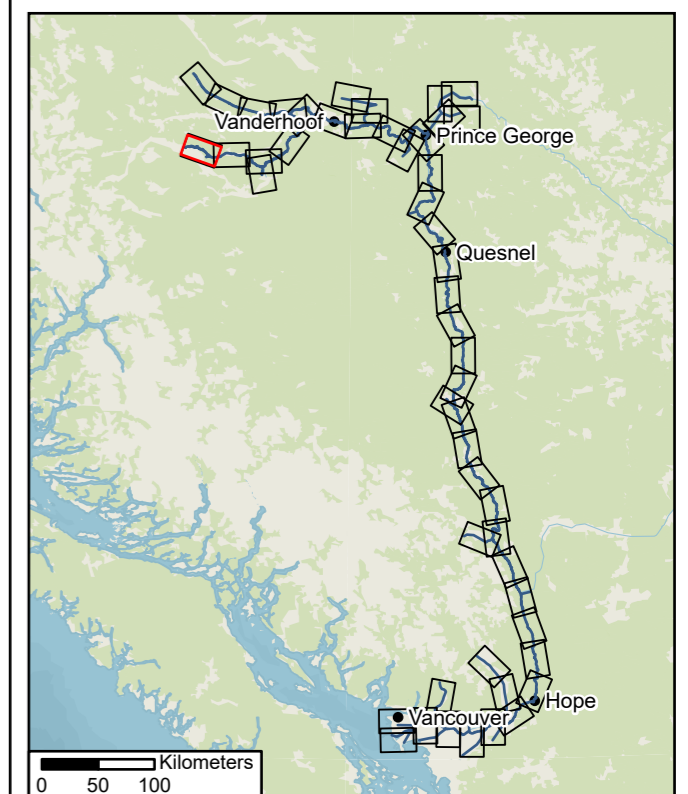
DATE 6/20/2025

SCALE 1:100,000	PROJECT NO. P10436A04	MAP NO. 02-3
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- NOTES:
1. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
 2. HORIZONTAL PROJECTION AND DATUM: NAD83 UTM ZONE 10N. VERTICAL DATUM: CGVD2013.
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LEGEND

	CITY BOUNDARY		WATERCOURSE	MAXIMUM FLOW DEPTH (m)
	MAP SHEET EXTENT		INDEX CONTOURS (100 m)	
	MODEL EXTENT		CROSS-SECTION	
	BUILDING		BASE INFLOW	
	RAILWAY			
	PRIMARY ROAD			
				< 0.3
				0.3 - 0.5
				0.5 - 1
				1 - 2
				2 - 5
				5 - 10
				10 - 15
				15 - 20
				> 20

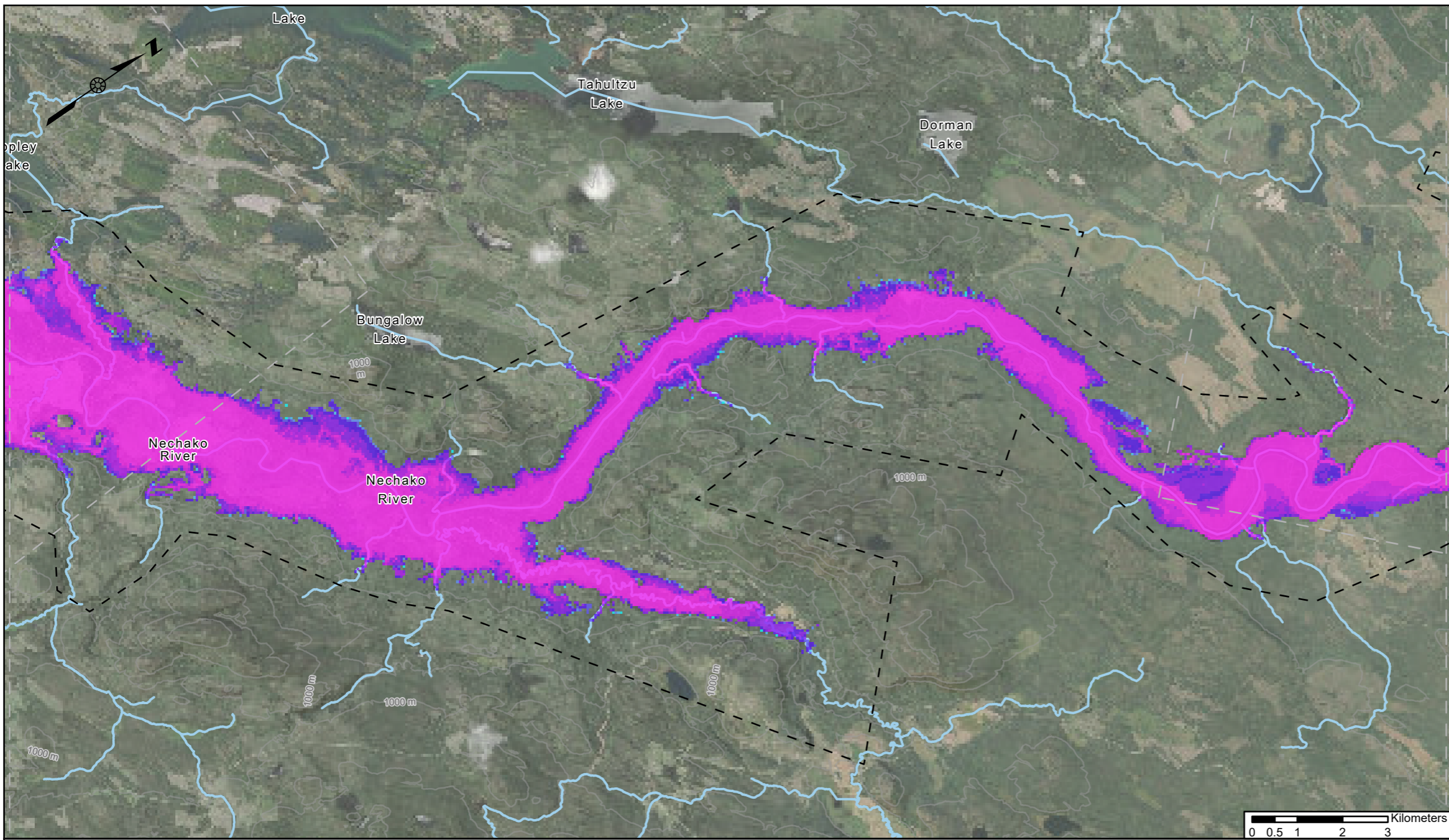
RioTinto **Klohn Crippen Berger**

NECHAKO 2024 DAM BREACH ASSESSMENT

**KENNEY DAM FAIR WEATHER FAILURE
MAXIMUM FLOW DEPTH**

DATE 6/20/2025

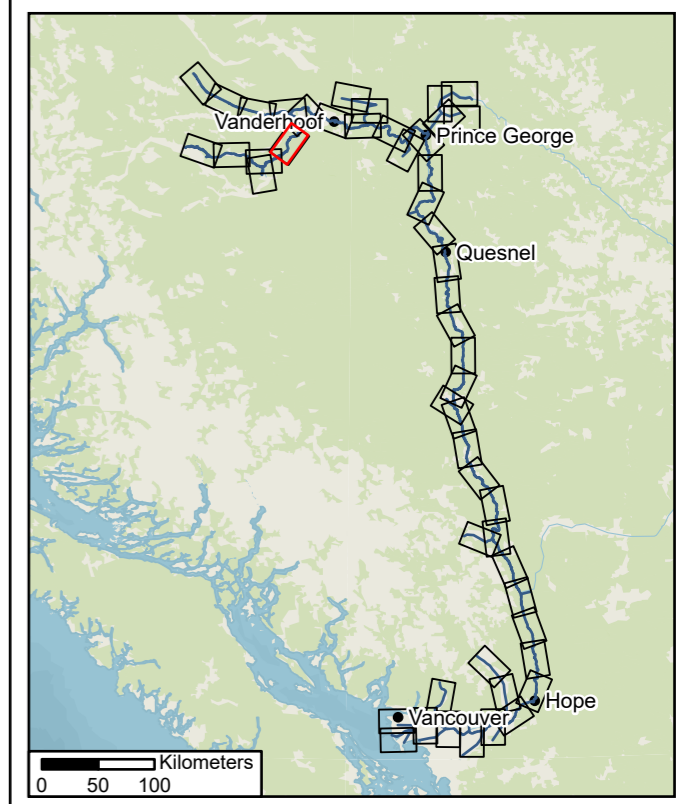
SCALE 1:100,000	PROJECT NO. P10436A04	MAP NO. 02-4
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NOTES:

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5. PROPERTY DATA FROM BC INTEGRATED CADASTRAL FABRIC, DOWNLOADED AUGUST 27, 2024.
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LEGEND

	CITY BOUNDARY		WATERCOURSE	MAXIMUM FLOW DEPTH (m)
	MAP SHEET EXTENT		INDEX CONTOURS (100 m)	
	MODEL EXTENT		CROSS-SECTION	
	BUILDING		BASE INFLOW	
	RAILWAY			
	PRIMARY ROAD			
				0.3 - 0.5
				0.5 - 1
				1 - 2
				2 - 5
				5 - 10
				10 - 15
				15 - 20
				> 20

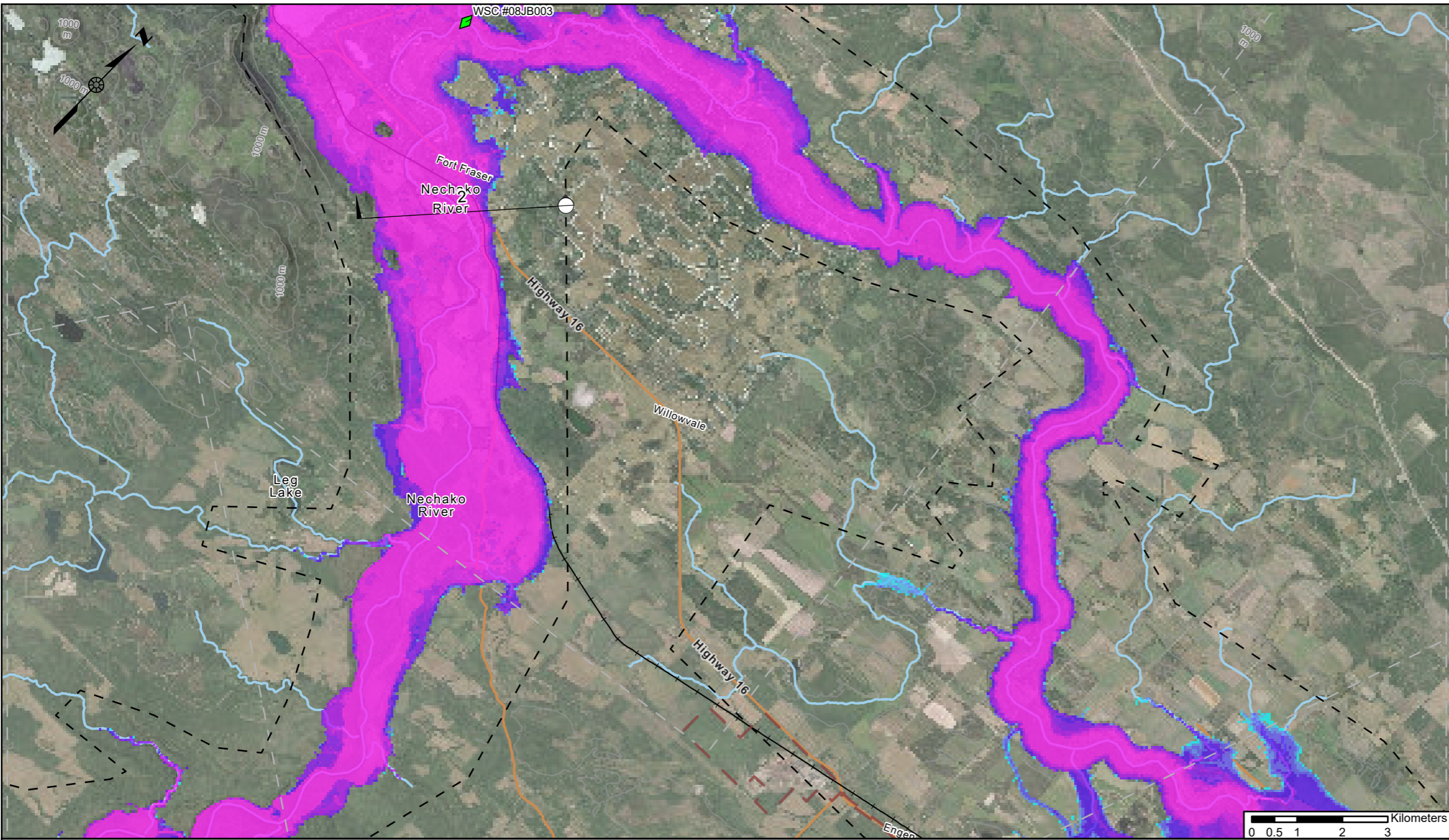
RioTinto **Klohn Crippen Berger**

NECHAKO 2024 DAM BREACH ASSESSMENT

**KENNEY DAM FAIR WEATHER FAILURE
MAXIMUM FLOW DEPTH**

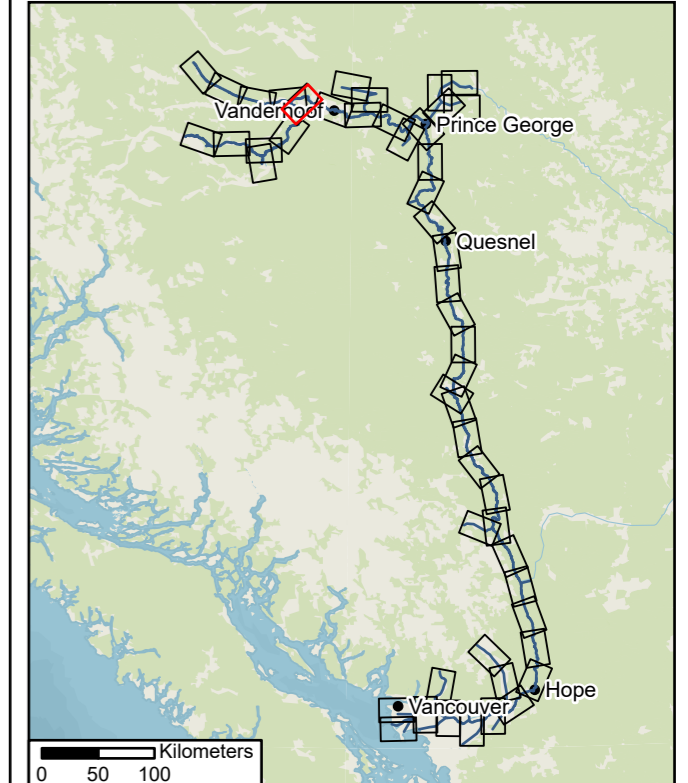
DATE 6/20/2025

SCALE 1:100,000	PROJECT NO. P10436A04	MAP NO. 02-5
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- NOTES:
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ID	Max Water Level (m)	Peak Flow (m3/s)	Front Arrival Time (dd hh:mm)	Peak Arrival Time (dd hh:mm)	Flood Duration (dd)
2	712.1	92200	0d 6:30	0d 15:50	13

LEGEND

- | | | | | |
|--|------------------|--|------------------------|--|
| | CITY BOUNDARY | | WATERCOURSE | MAXIMUM FLOW DEPTH (m)

< 0.3
0.3 - 0.5
0.5 - 1
1 - 2
2 - 5
5 - 10
10 - 15
15 - 20
> 20 |
| | MAP SHEET EXTENT | | INDEX CONTOURS (100 m) | |
| | MODEL EXTENT | | CROSS-SECTION | |
| | BUILDING | | BASE INFLOW | |
| | RAILWAY | | | |
| | PRIMARY ROAD | | | |
| | | | | |

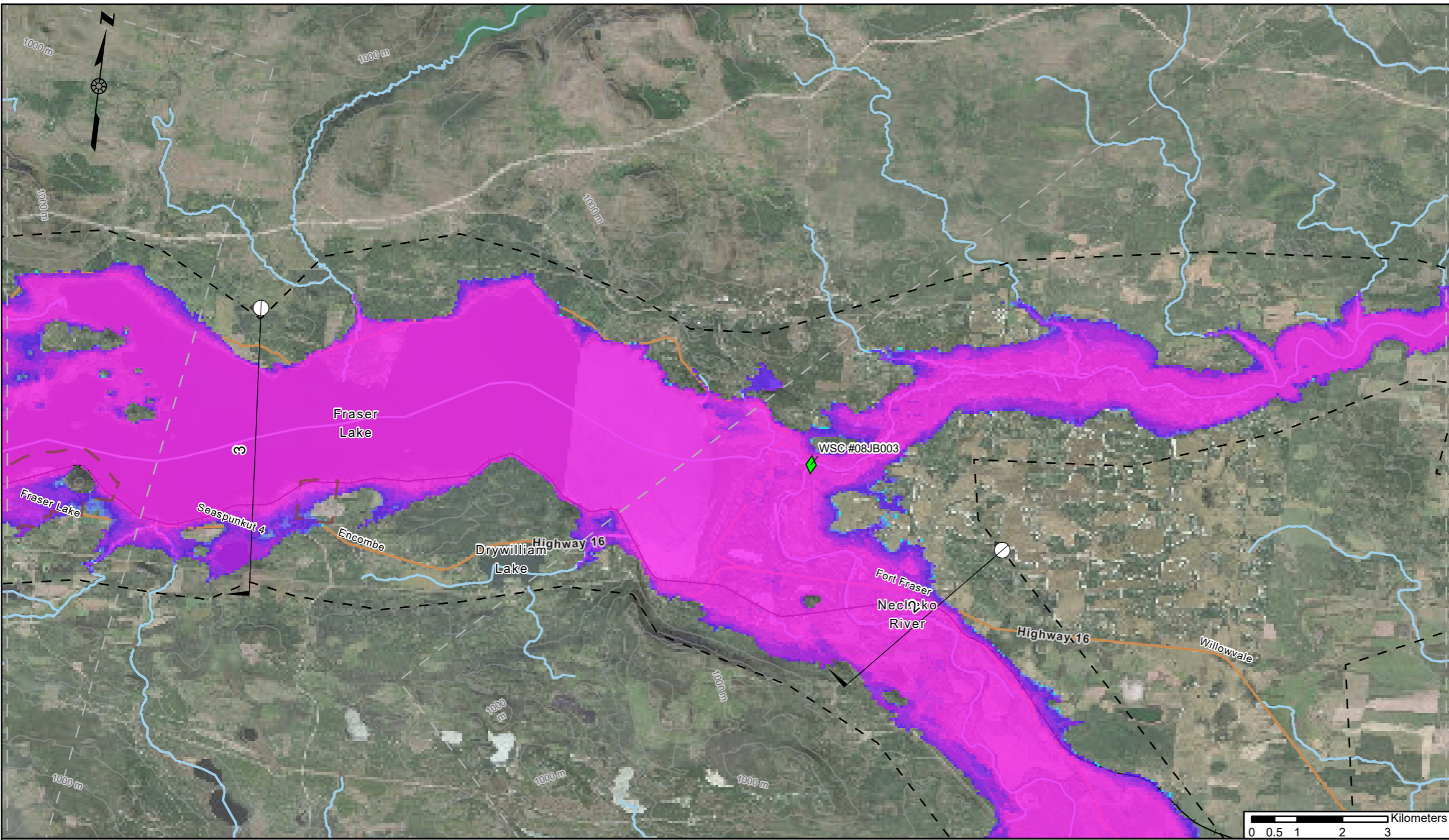
RioTinto **Klohn Crippen Berger**

NECHAKO 2024 DAM BREACH ASSESSMENT

**KENNEY DAM FAIR WEATHER FAILURE
MAXIMUM FLOW DEPTH**

DATE 6/20/2025

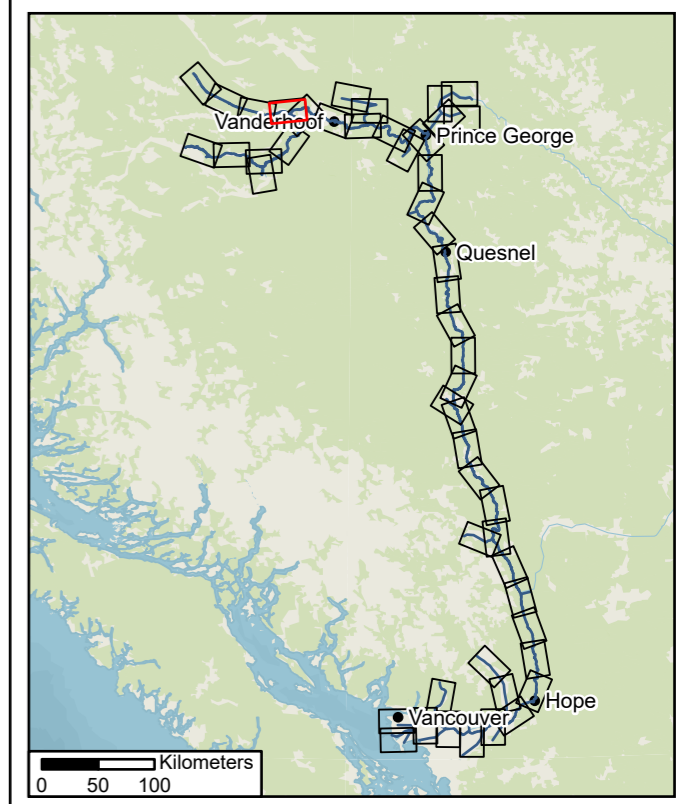
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NOTES:

1. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
2. HORIZONTAL PROJECTION AND DATUM: NAD83 UTM ZONE 10N. VERTICAL DATUM: CGVD2013.
3. PLACENAME AND ROAD DATA FROM OPEN STREET MAPS, DOWNLOADED AUGUST 27, 2024.
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ID	Max Water Level (m)	Peak Flow (m3/s)	Front Arrival Time (dd hh:mm)	Peak Arrival Time (dd hh:mm)	Flood Duration (dd)
2	712.1	92200	0d 6:30	0d 15:50	13
3	711.9	40050	0d 7:50	1d 21:30	15

LEGEND

	CITY BOUNDARY		WATERCOURSE	MAXIMUM FLOW DEPTH (m)
	MAP SHEET EXTENT		INDEX CONTOURS (100 m)	
	MODEL EXTENT		CROSS-SECTION	
	BUILDING		BASE INFLOW	
	RAILWAY			
	PRIMARY ROAD			

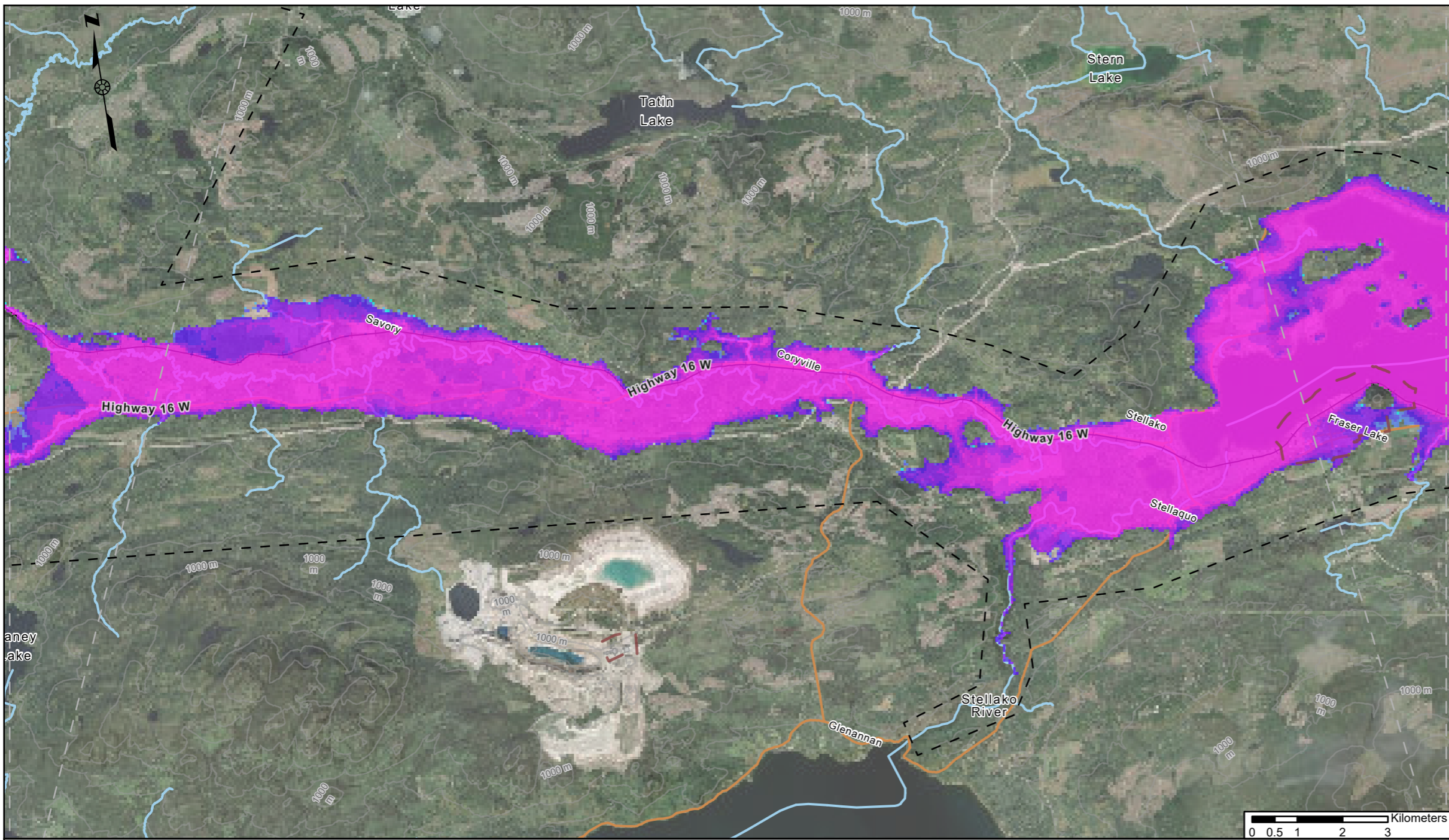
RioTinto **Klohn Crippen Berger**

NECHAKO 2024 DAM BREACH ASSESSMENT

**KENNEY DAM FAIR WEATHER FAILURE
MAXIMUM FLOW DEPTH**

DATE 6/20/2025

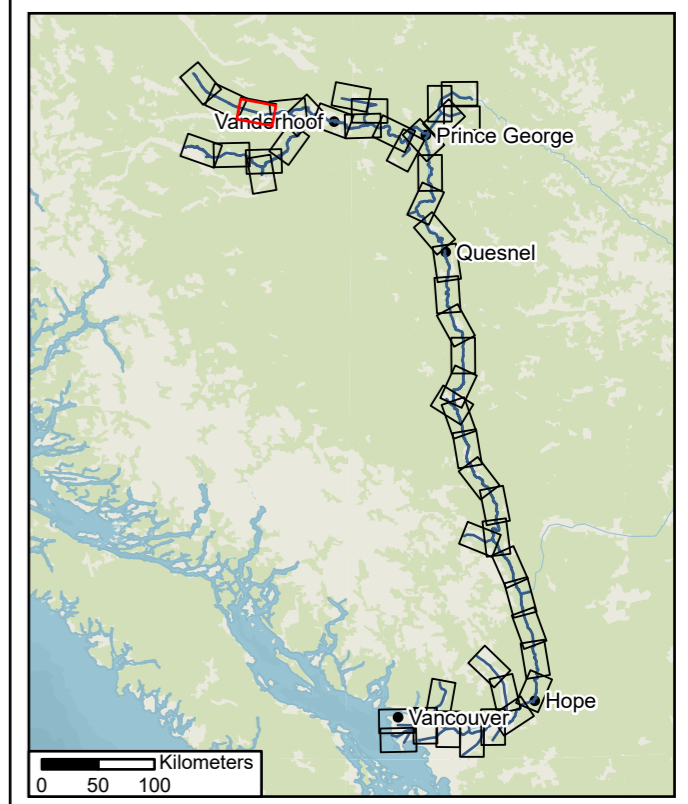
SCALE 1:100,000	PROJECT NO. P10436A04	MAP NO. 02-7
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NOTES:

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3. PLACENAME AND ROAD DATA FROM OPEN STREET MAPS, DOWNLOADED AUGUST 27, 2024.
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LEGEND

	CITY BOUNDARY		WATERCOURSE	MAXIMUM FLOW DEPTH (m) < 0.3 0.3 - 0.5 0.5 - 1 1 - 2 2 - 5 5 - 10 10 - 15 15 - 20 > 20
	MAP SHEET EXTENT		INDEX CONTOURS (100 m)	
	MODEL EXTENT		CROSS-SECTION	
	BUILDING		BASE INFLOW	
	RAILWAY			
	PRIMARY ROAD			

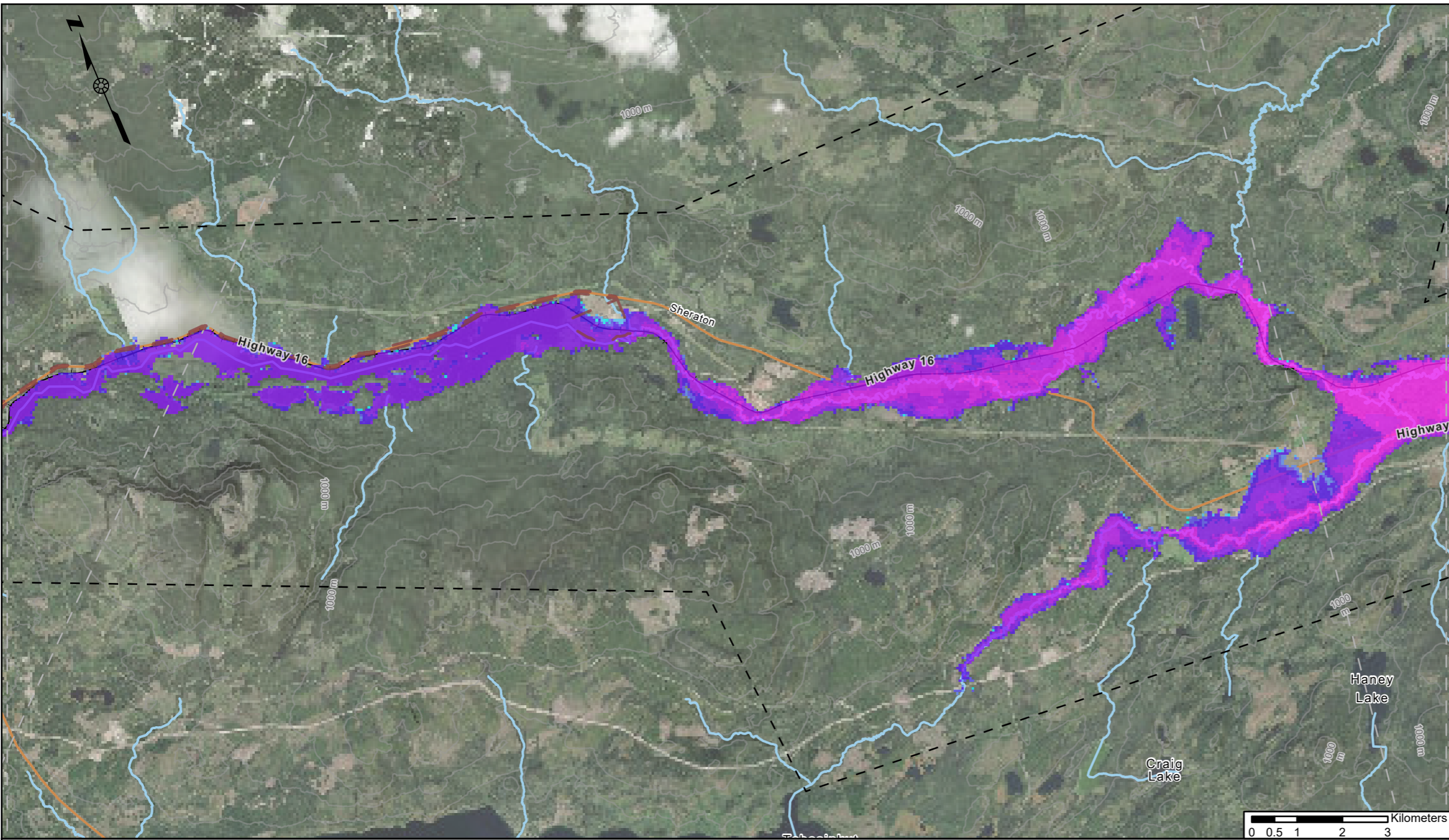
RioTinto **Klohn Crippen Berger**

NECHAKO 2024 DAM BREACH ASSESSMENT

**KENNEY DAM FAIR WEATHER FAILURE
MAXIMUM FLOW DEPTH**

DATE 6/20/2025

SCALE 1:100,000	PROJECT NO. P10436A04	MAP NO. 02-8
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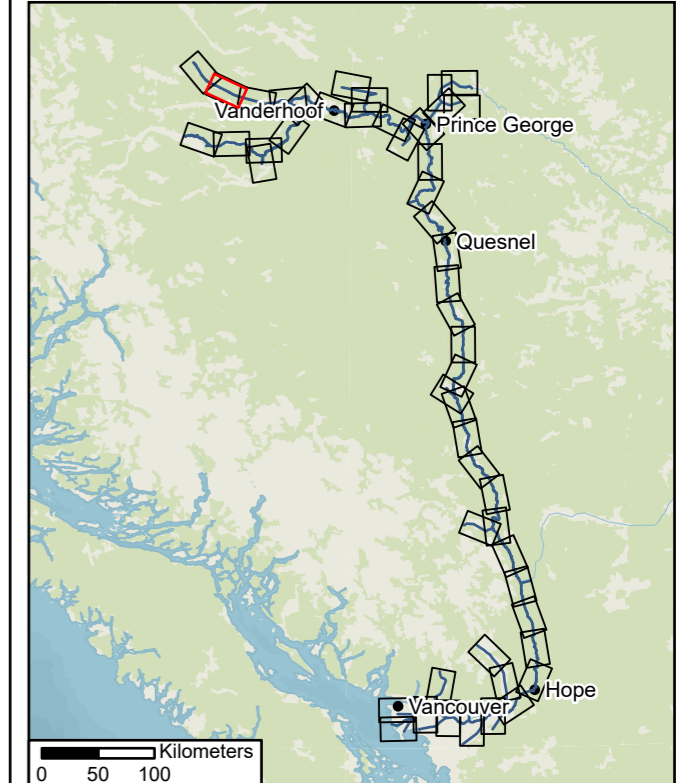
LEGEND

	CITY BOUNDARY		WATERCOURSE	MAXIMUM FLOW DEPTH (m) < 0.3 0.3 - 0.5 0.5 - 1 1 - 2 2 - 5 5 - 10 10 - 15 15 - 20 > 20
	MAP SHEET EXTENT		INDEX CONTOURS (100 m)	
	MODEL EXTENT		CROSS-SECTION	
	BUILDING		BASE INFLOW	
	RAILWAY			
	PRIMARY ROAD			

NOTES:

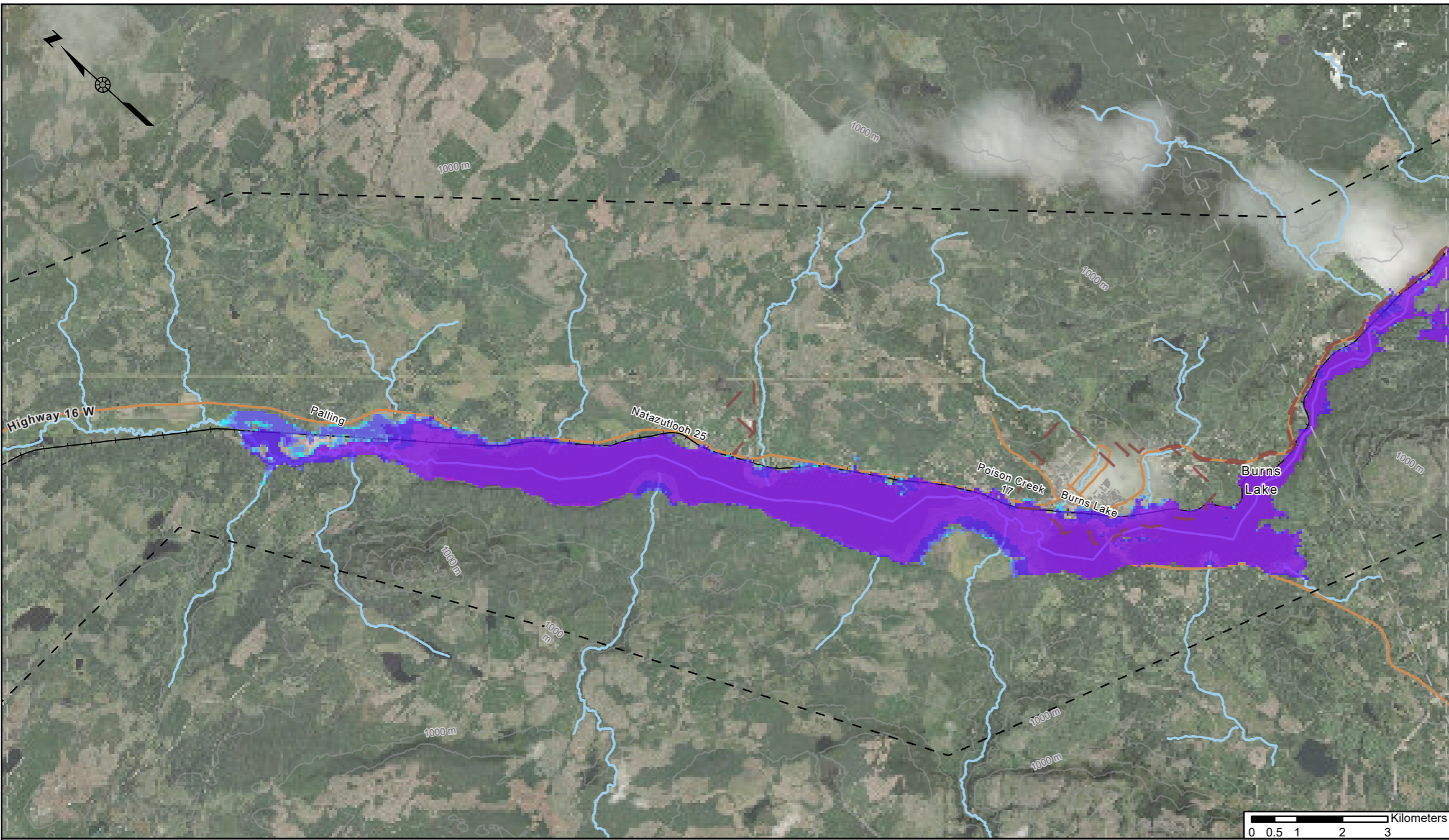
1. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
2. HORIZONTAL PROJECTION AND DATUM: NAD83 UTM ZONE 10N. VERTICAL DATUM: CGVD2013.
3. PLACENAME AND ROAD DATA FROM OPEN STREET MAPS, DOWNLOADED AUGUST 27, 2024.
4. WATERCOURSE DATA FROM NATIONAL RESOURCES CANADA NATIONAL HYDROGRAPHIC NETWORK, DOWNLOADED AUGUST 27, 2024.
5. PROPERTY DATA FROM BC INTEGRATED CADASTRAL FABRIC, DOWNLOADED AUGUST 27, 2024.
6. BASEMAP DATA SOURCE: ARCGIS ONLINE
7. MAP TO BE READ IN CONJUNCTION WITH KCB REPORT "NECHAKO 2024 DAM BREACH ASSESSMENT".

THIS MAP IS AN INSTRUMENT OF SERVICE OF KLOHN CRIPPEN BERGER (KCB). THE MAP HAS BEEN PREPARED FOR THE EXCLUSIVE USE OF RIO TINTO (RTA) FOR THE SPECIFIC APPLICATION TO THE NECHAKO RESERVOIR, AND IT MAY NOT BE RELIED UPON BY ANY OTHER PARTY WITHOUT KCB'S WRITTEN CONSENT.



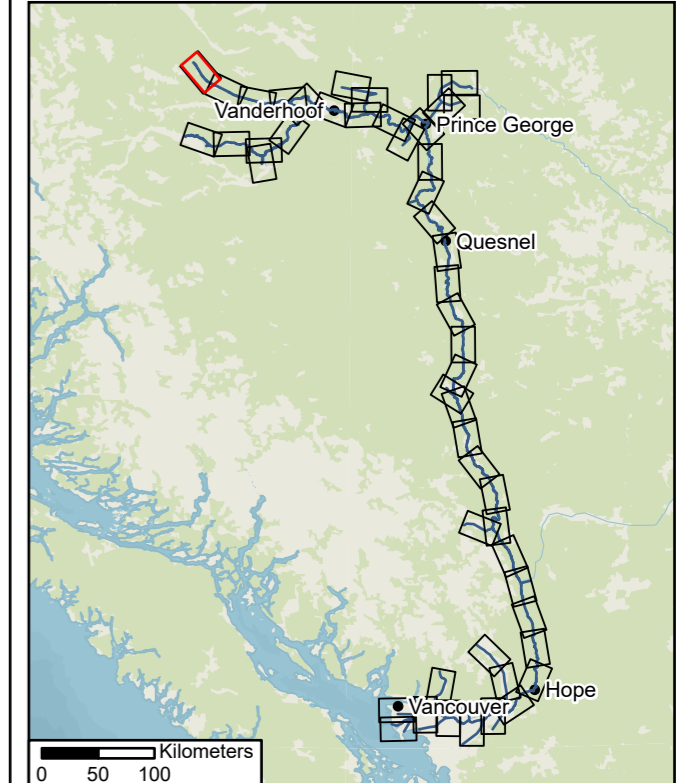
NECHAKO 2024 DAM BREACH ASSESSMENT
KENNEY DAM FAIR WEATHER FAILURE
MAXIMUM FLOW DEPTH

DATE	6/20/2025	
SCALE	1:100,000	PROJECT NO. P10436A04
		MAP NO. 02-9



- NOTES:
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 4. WATERCOURSE DATA FROM NATIONAL RESOURCES CANADA NATIONAL HYDROGRAPHIC NETWORK, DOWNLOADED AUGUST 27, 2024.
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LEGEND

	CITY BOUNDARY		WATERCOURSE	MAXIMUM FLOW DEPTH (m) < 0.3 0.3 - 0.5 0.5 - 1 1 - 2 2 - 5 5 - 10 10 - 15 15 - 20 > 20
	MAP SHEET EXTENT		INDEX CONTOURS (100 m)	
	MODEL EXTENT		CROSS-SECTION	
	BUILDING		BASE INFLOW	
	RAILWAY			
	PRIMARY ROAD			

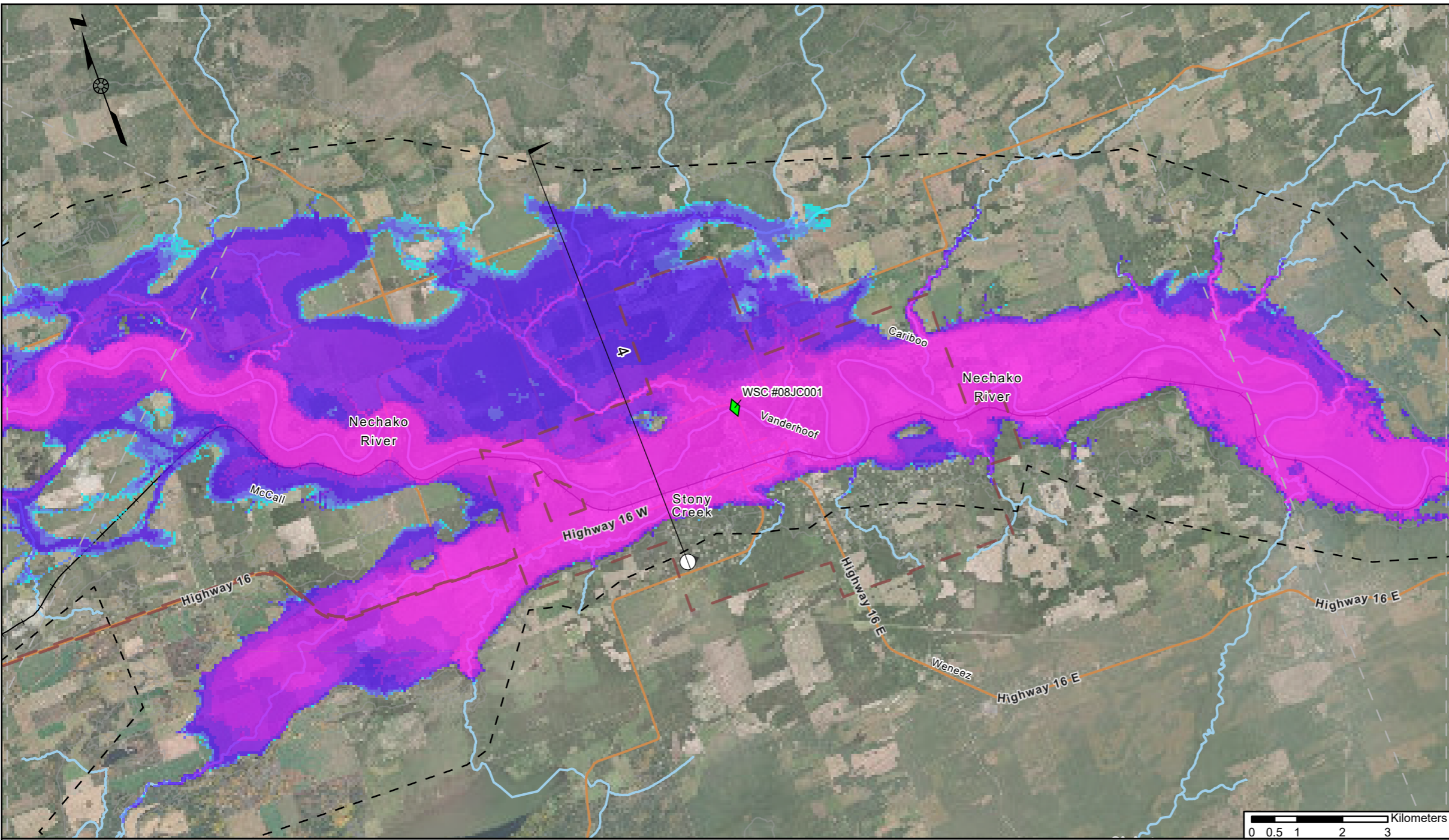
RioTinto **Klohn Crippen Berger**

NECHAKO 2024 DAM BREACH ASSESSMENT

**KENNEY DAM FAIR WEATHER FAILURE
MAXIMUM FLOW DEPTH**

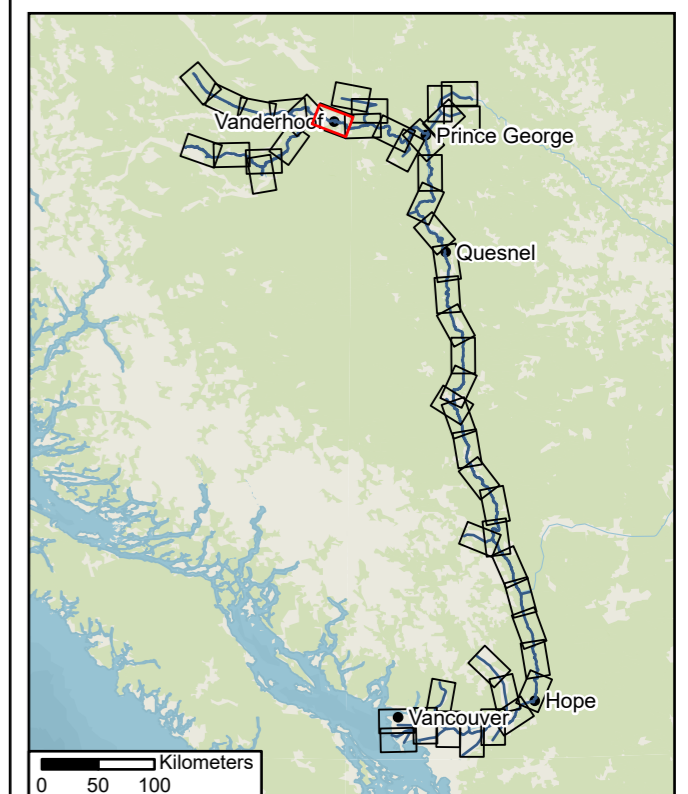
DATE 6/20/2025

SCALE 1:100,000	PROJECT NO. P10436A04	MAP NO. 02-10
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- NOTES:
1. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
 2. HORIZONTAL PROJECTION AND DATUM: NAD83 UTM ZONE 10N. VERTICAL DATUM: CGVD2013.
 3. PLACENAME AND ROAD DATA FROM OPEN STREET MAPS, DOWNLOADED AUGUST 27, 2024.
 4. WATERCOURSE DATA FROM NATIONAL RESOURCES CANADA NATIONAL HYDROGRAPHIC NETWORK, DOWNLOADED AUGUST 27, 2024.
 5. PROPERTY DATA FROM BC INTEGRATED CADASTRAL FABRIC, DOWNLOADED AUGUST 27, 2024.
 6. BASEMAP DATA SOURCE: ARCGIS ONLINE
 7. MAP TO BE READ IN CONJUNCTION WITH KCB REPORT "NECHAKO 2024 DAM BREACH ASSESSMENT".

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ID	Max Water Level (m)	Peak Flow (m3/s)	Front Arrival Time (dd hh:mm)	Peak Arrival Time (dd hh:mm)	Flood Duration (dd)
4	682.9	60810	0d 12:40	2d 08:00	>15

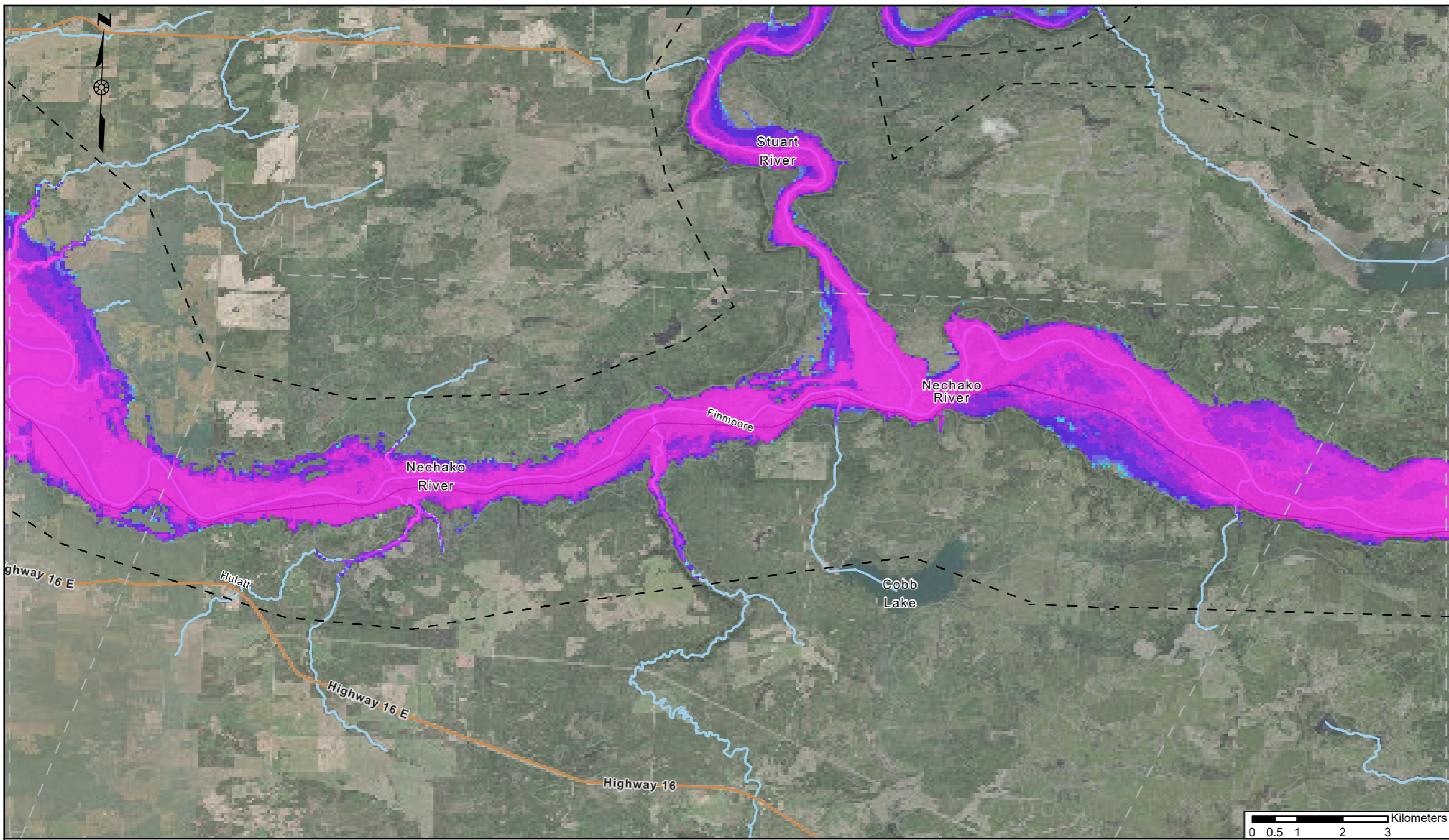
LEGEND

- | | | | | |
|--|------------------|--|------------------------|-------------------------------|
| | CITY BOUNDARY | | WATERCOURSE | MAXIMUM FLOW DEPTH (m) |
| | MAP SHEET EXTENT | | INDEX CONTOURS (100 m) | |
| | MODEL EXTENT | | CROSS-SECTION | |
| | BUILDING | | BASE INFLOW | |
| | RAILWAY | | | |
| | PRIMARY ROAD | | | |
| | | | | |



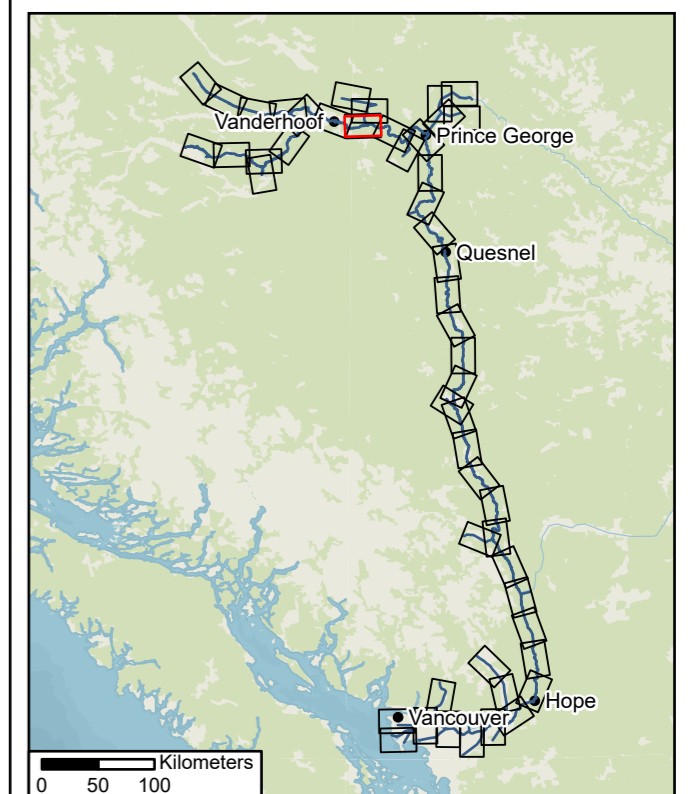
NECHAKO 2024 DAM BREACH ASSESSMENT
KENNEY DAM FAIR WEATHER FAILURE
MAXIMUM FLOW DEPTH

DATE	6/20/2025	
SCALE	1:100,000	PROJECT NO. P10436A04
		MAP NO. 02-11



- NOTES:
1. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
 2. HORIZONTAL PROJECTION AND DATUM: NAD83 UTM ZONE 10N. VERTICAL DATUM: CGVD2013.
 3. PLACENAME AND ROAD DATA FROM OPEN STREET MAPS, DOWNLOADED AUGUST 27, 2024.
 4. WATERCOURSE DATA FROM NATIONAL RESOURCES CANADA NATIONAL HYDROGRAPHIC NETWORK, DOWNLOADED AUGUST 27, 2024.
 5. PROPERTY DATA FROM BC INTEGRATED CADASTRAL FABRIC, DOWNLOADED AUGUST 27, 2024.
 6. BASEMAP DATA SOURCE: ARCGIS ONLINE
 7. MAP TO BE READ IN CONJUNCTION WITH KCB REPORT "NECHAKO 2024 DAM BREACH ASSESSMENT".

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LEGEND

	CITY BOUNDARY		WATERCOURSE	MAXIMUM FLOW DEPTH (m)
	MAP SHEET EXTENT		INDEX CONTOURS (100 m)	
	MODEL EXTENT		CROSS-SECTION	
	BUILDING		BASE INFLOW	
	RAILWAY			
	PRIMARY ROAD			

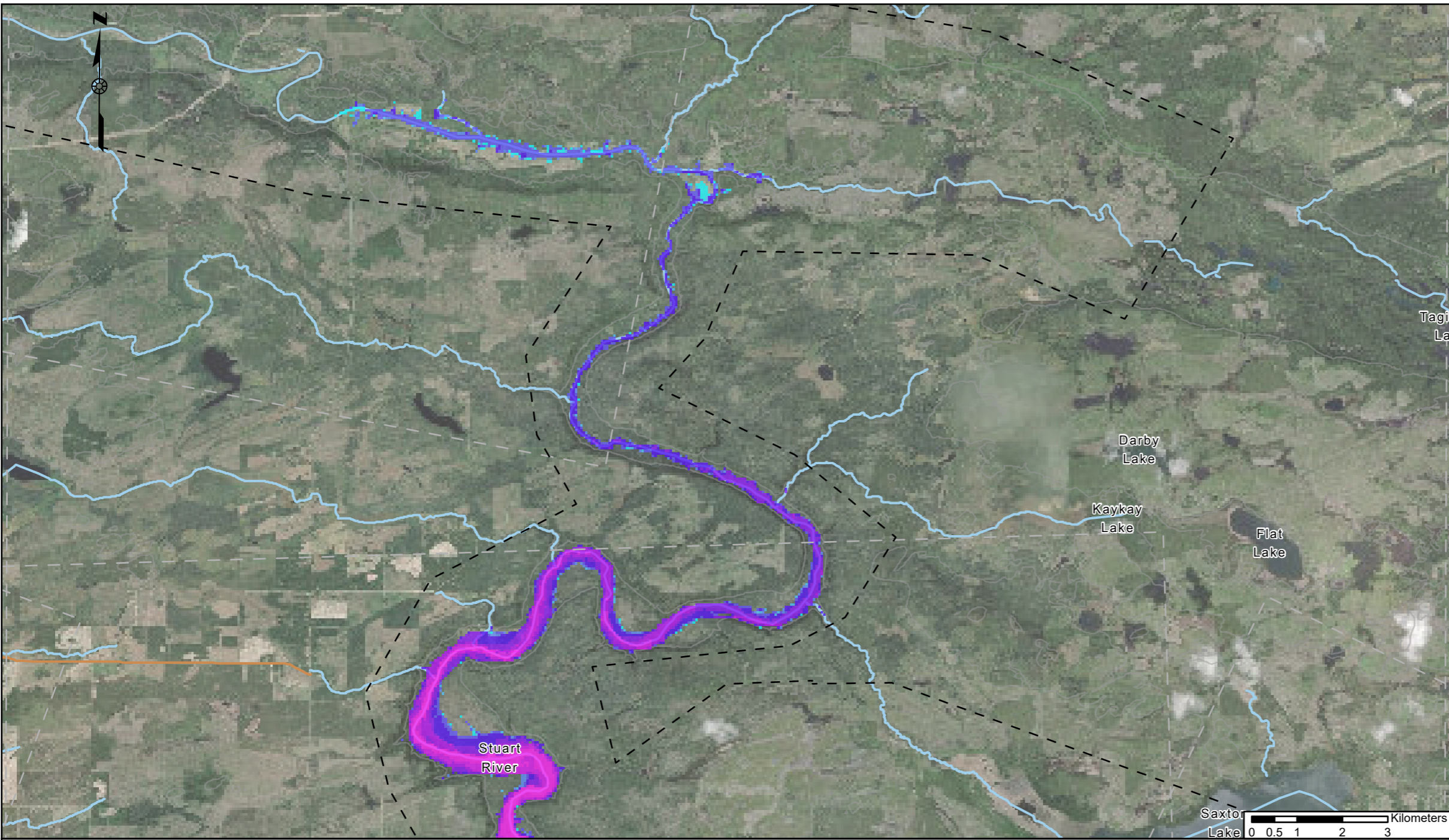
RioTinto **Klohn Crippen Berger**

NECHAKO 2024 DAM BREACH ASSESSMENT

**KENNEY DAM FAIR WEATHER FAILURE
MAXIMUM FLOW DEPTH**

DATE 6/20/2025

SCALE 1:100,000	PROJECT NO. P10436A04	MAP NO. 02-12
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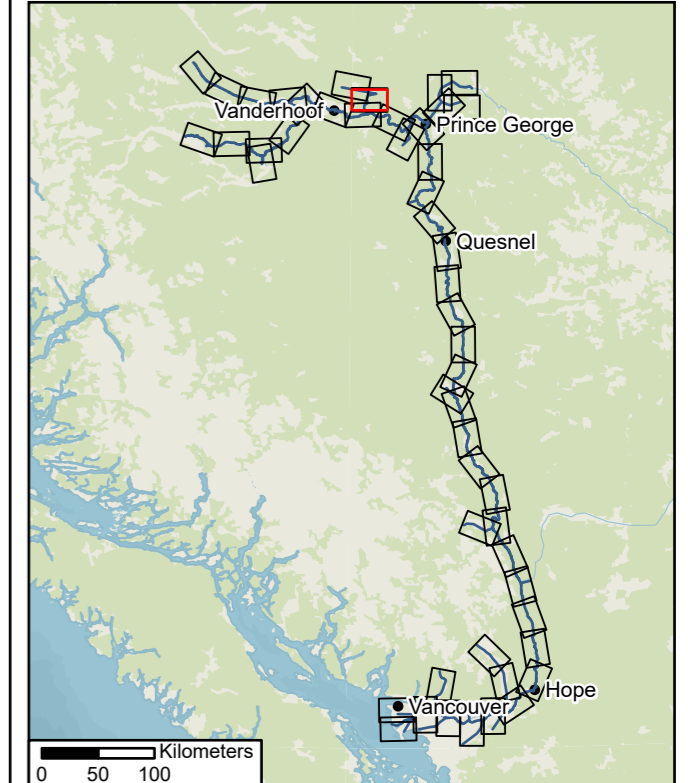
LEGEND

	CITY BOUNDARY		WATERCOURSE	MAXIMUM FLOW DEPTH (m)
	MAP SHEET EXTENT		INDEX CONTOURS (100 m)	
	MODEL EXTENT		CROSS-SECTION	
	BUILDING		BASE INFLOW	
	RAILWAY			
	PRIMARY ROAD			
				< 0.3
				0.3 - 0.5
				0.5 - 1
				1 - 2
				2 - 5
				5 - 10
				10 - 15
				15 - 20
				> 20

NOTES:

1. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
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3. PLACENAME AND ROAD DATA FROM OPEN STREET MAPS, DOWNLOADED AUGUST 27, 2024.
4. WATERCOURSE DATA FROM NATIONAL RESOURCES CANADA NATIONAL HYDROGRAPHIC NETWORK, DOWNLOADED AUGUST 27, 2024.
5. PROPERTY DATA FROM BC INTEGRATED CADASTRAL FABRIC, DOWNLOADED AUGUST 27, 2024.
6. BASEMAP DATA SOURCE: ARCGIS ONLINE
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NECHAKO 2024 DAM BREACH ASSESSMENT

KENNEY DAM FAIR WEATHER FAILURE

MAXIMUM FLOW DEPTH

DATE	6/20/2025	
SCALE	1:100,000	PROJECT NO. P10436A04
		MAP NO. 02-13



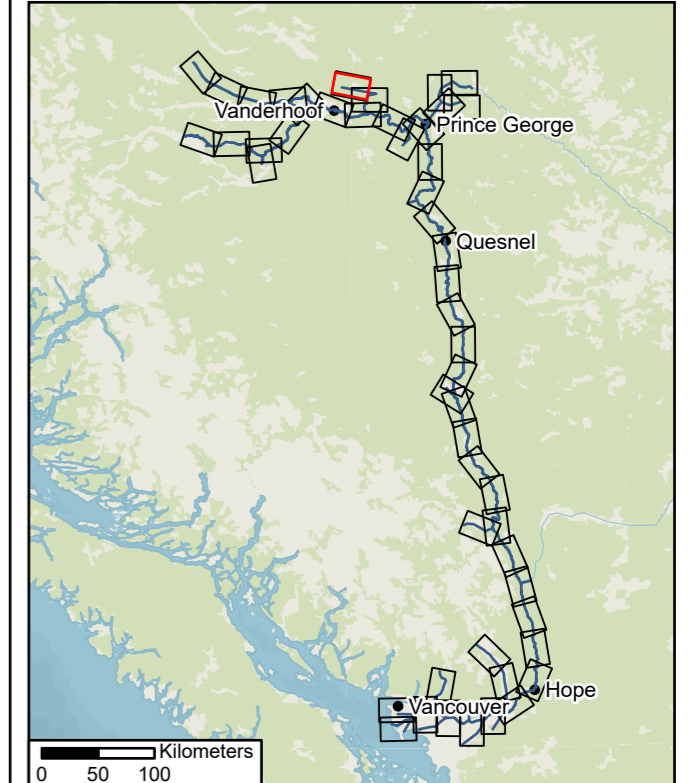
LEGEND

	CITY BOUNDARY		WATERCOURSE	MAXIMUM FLOW DEPTH (m)
	MAP SHEET EXTENT		INDEX CONTOURS (100 m)	
	MODEL EXTENT		CROSS-SECTION	
	BUILDING		BASE INFLOW	
	RAILWAY			
	PRIMARY ROAD			
				< 0.3
				0.3 - 0.5
				0.5 - 1
				1 - 2
				2 - 5
				5 - 10
				10 - 15
				15 - 20
				> 20

NOTES:

1. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
2. HORIZONTAL PROJECTION AND DATUM: NAD83 UTM ZONE 10N. VERTICAL DATUM: CGVD2013.
3. PLACENAME AND ROAD DATA FROM OPEN STREET MAPS, DOWNLOADED AUGUST 27, 2024.
4. WATERCOURSE DATA FROM NATIONAL RESOURCES CANADA NATIONAL HYDROGRAPHIC NETWORK, DOWNLOADED AUGUST 27, 2024.
5. PROPERTY DATA FROM BC INTEGRATED CADASTRAL FABRIC, DOWNLOADED AUGUST 27, 2024.
6. BASEMAP DATA SOURCE: ARCGIS ONLINE
7. MAP TO BE READ IN CONJUNCTION WITH KCB REPORT "NECHAKO 2024 DAM BREACH ASSESSMENT".

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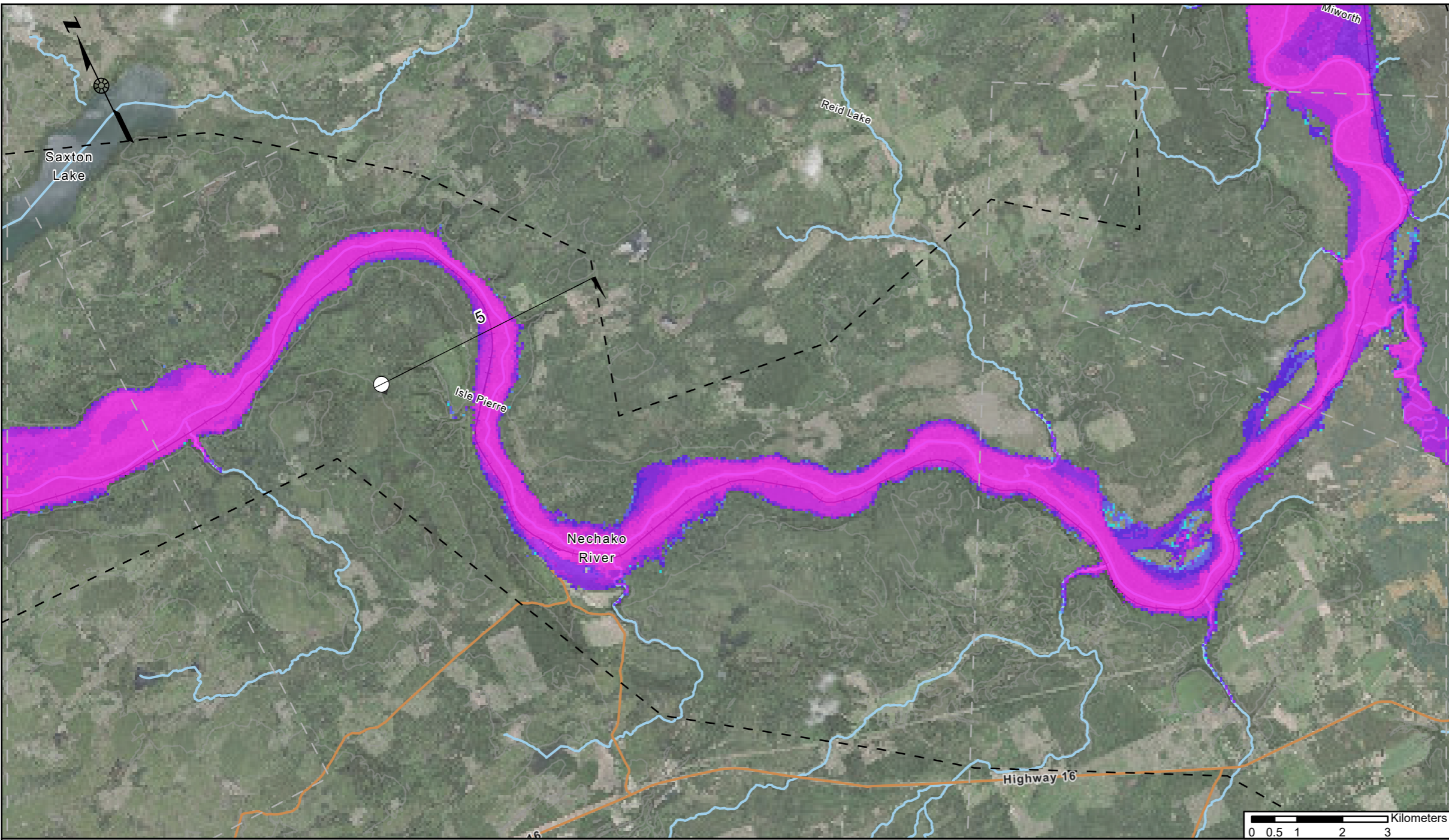


NECHAKO 2024 DAM BREACH ASSESSMENT

KENNEY DAM FAIR WEATHER FAILURE

MAXIMUM FLOW DEPTH

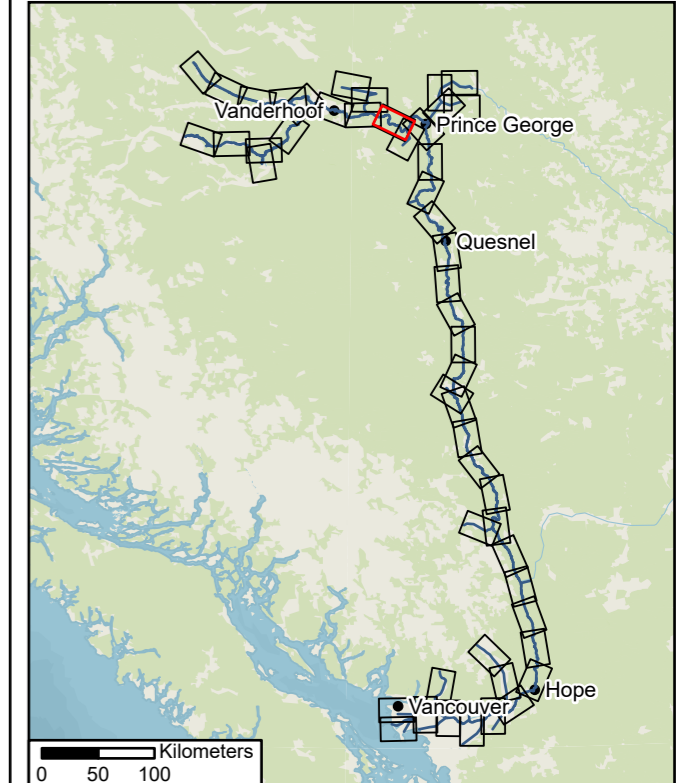
DATE	6/20/2025	
SCALE	1:100,000	PROJECT NO. P10436A04
		MAP NO. 02-14



NOTES:

1. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
2. HORIZONTAL PROJECTION AND DATUM: NAD83 UTM ZONE 10N. VERTICAL DATUM: CGVD2013.
3. PLACENAME AND ROAD DATA FROM OPEN STREET MAPS, DOWNLOADED AUGUST 27, 2024.
4. WATERCOURSE DATA FROM NATIONAL RESOURCES CANADA NATIONAL HYDROGRAPHIC NETWORK, DOWNLOADED AUGUST 27, 2024.
5. PROPERTY DATA FROM BC INTEGRATED CADASTRAL FABRIC, DOWNLOADED AUGUST 27, 2024.
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ID	Max Water Level (m)	Peak Flow (m3/s)	Front Arrival Time (dd hh:mm)	Peak Arrival Time (dd hh:mm)	Flood Duration (dd)
5	660.9	59080	1d 0:30	2d 22:00	>15

LEGEND

	CITY BOUNDARY		WATERCOURSE	MAXIMUM FLOW DEPTH (m)
	MAP SHEET EXTENT		INDEX CONTOURS (100 m)	
	MODEL EXTENT		CROSS-SECTION	
	BUILDING		BASE INFLOW	
	RAILWAY			
	PRIMARY ROAD			

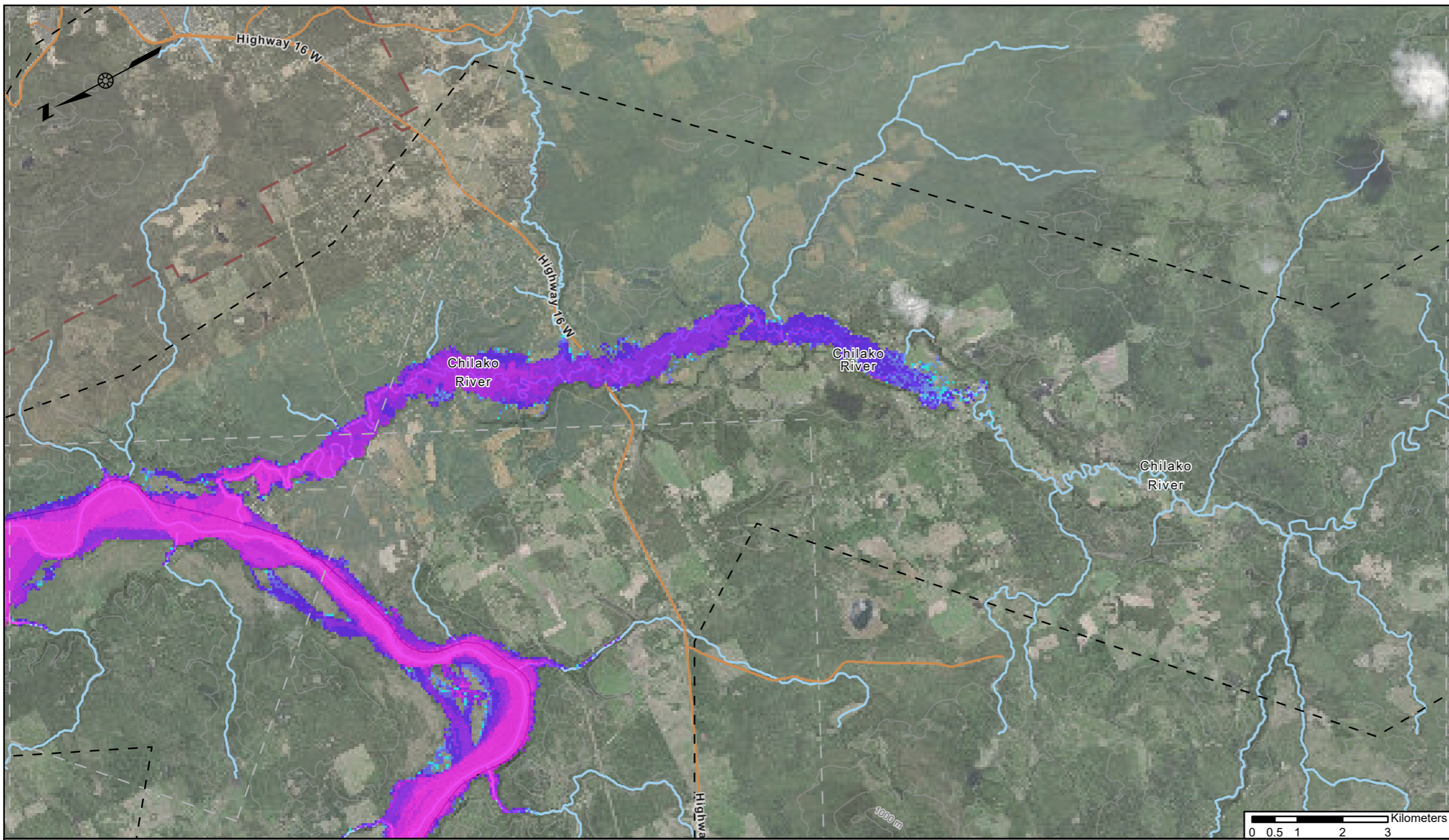


NECHAKO 2024 DAM BREACH ASSESSMENT

KENNEY DAM FAIR WEATHER FAILURE

MAXIMUM FLOW DEPTH

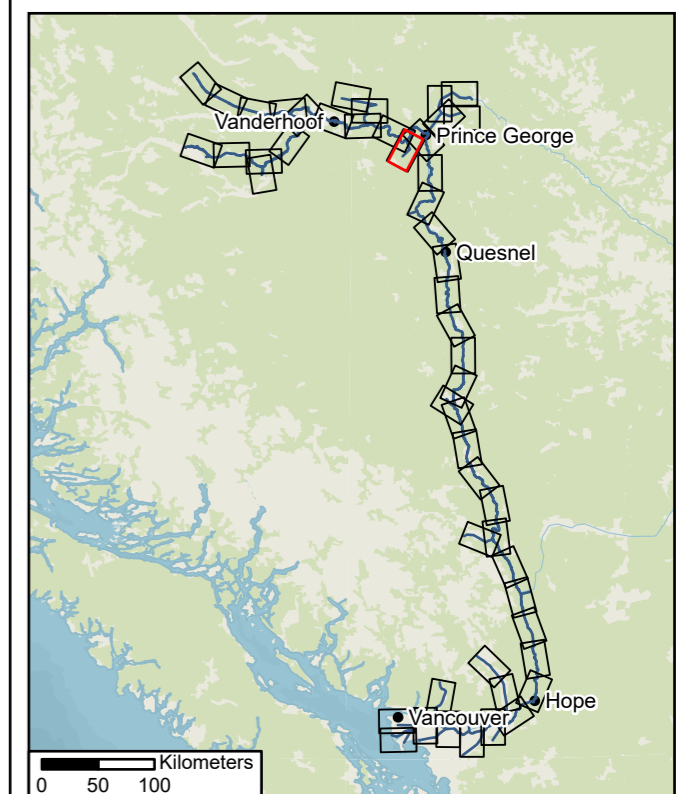
DATE	6/20/2025	
SCALE	1:100,000	PROJECT NO. P10436A04
		MAP NO. 02-15



NOTES:

1. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
2. HORIZONTAL PROJECTION AND DATUM: NAD83 UTM ZONE 10N. VERTICAL DATUM: CGVD2013.
3. PLACENAME AND ROAD DATA FROM OPEN STREET MAPS, DOWNLOADED AUGUST 27, 2024.
4. WATERCOURSE DATA FROM NATIONAL RESOURCES CANADA NATIONAL HYDROGRAPHIC NETWORK, DOWNLOADED AUGUST 27, 2024.
5. PROPERTY DATA FROM BC INTEGRATED CADASTRAL FABRIC, DOWNLOADED AUGUST 27, 2024.
6. BASEMAP DATA SOURCE: ARCGIS ONLINE
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LEGEND

	CITY BOUNDARY		WATERCOURSE	MAXIMUM FLOW DEPTH (m)
	MAP SHEET EXTENT		INDEX CONTOURS (100 m)	
	MODEL EXTENT		CROSS-SECTION	
	BUILDING		BASE INFLOW	
	RAILWAY			
	PRIMARY ROAD			
				< 0.3
				0.3 - 0.5
				0.5 - 1
				1 - 2
				2 - 5
				5 - 10
				10 - 15
				15 - 20
				> 20

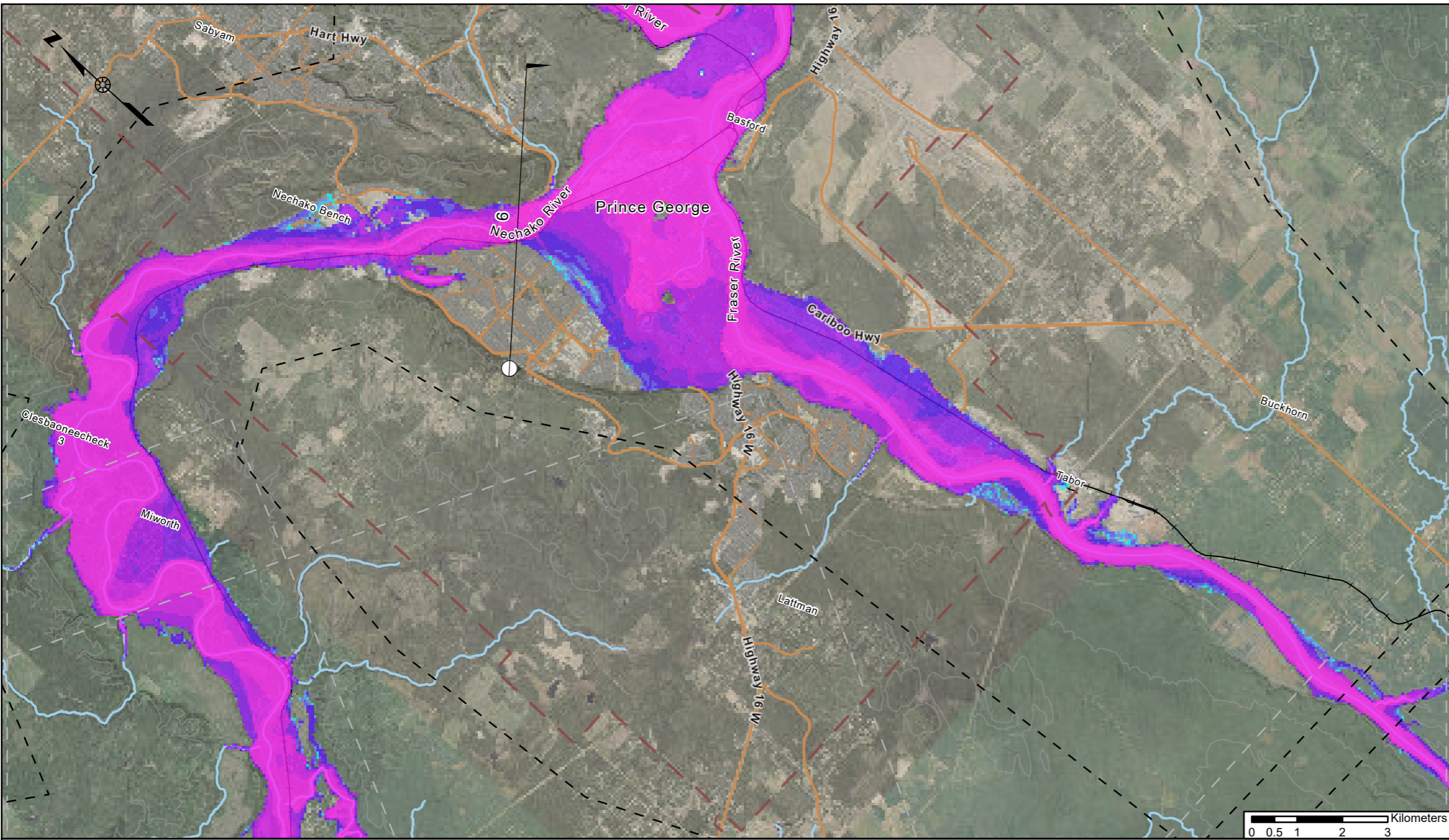
RioTinto **Klohn Crippen Berger**

NECHAKO 2024 DAM BREACH ASSESSMENT

**KENNEY DAM FAIR WEATHER FAILURE
MAXIMUM FLOW DEPTH**

DATE 6/20/2025

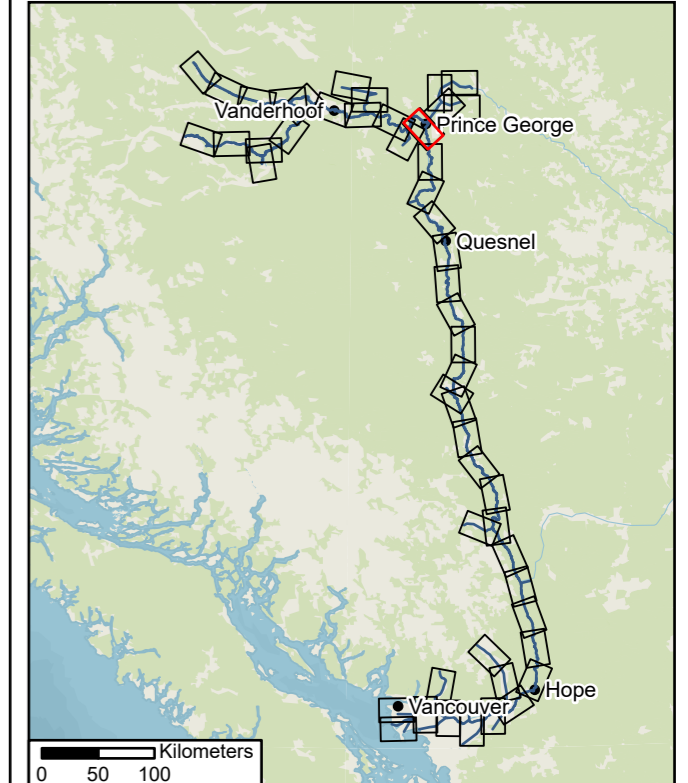
SCALE 1:100,000	PROJECT NO. P10436A04	MAP NO. 02-16
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NOTES:

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3. PLACENAME AND ROAD DATA FROM OPEN STREET MAPS, DOWNLOADED AUGUST 27, 2024.
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ID	Max Water Level (m)	Peak Flow (m3/s)	Front Arrival Time (dd hh:mm)	Peak Arrival Time (dd hh:mm)	Flood Duration (dd)
6	601.7	58660	1d 9:20	3d 03:50	>15

LEGEND

	CITY BOUNDARY		WATERCOURSE	MAXIMUM FLOW DEPTH (m)
	MAP SHEET EXTENT		INDEX CONTOURS (100 m)	
	MODEL EXTENT		CROSS-SECTION	
	BUILDING		BASE INFLOW	
	RAILWAY			
	PRIMARY ROAD			
				0.3 - 0.5
				0.5 - 1
				1 - 2
				2 - 5
				5 - 10
				10 - 15
				15 - 20
				> 20

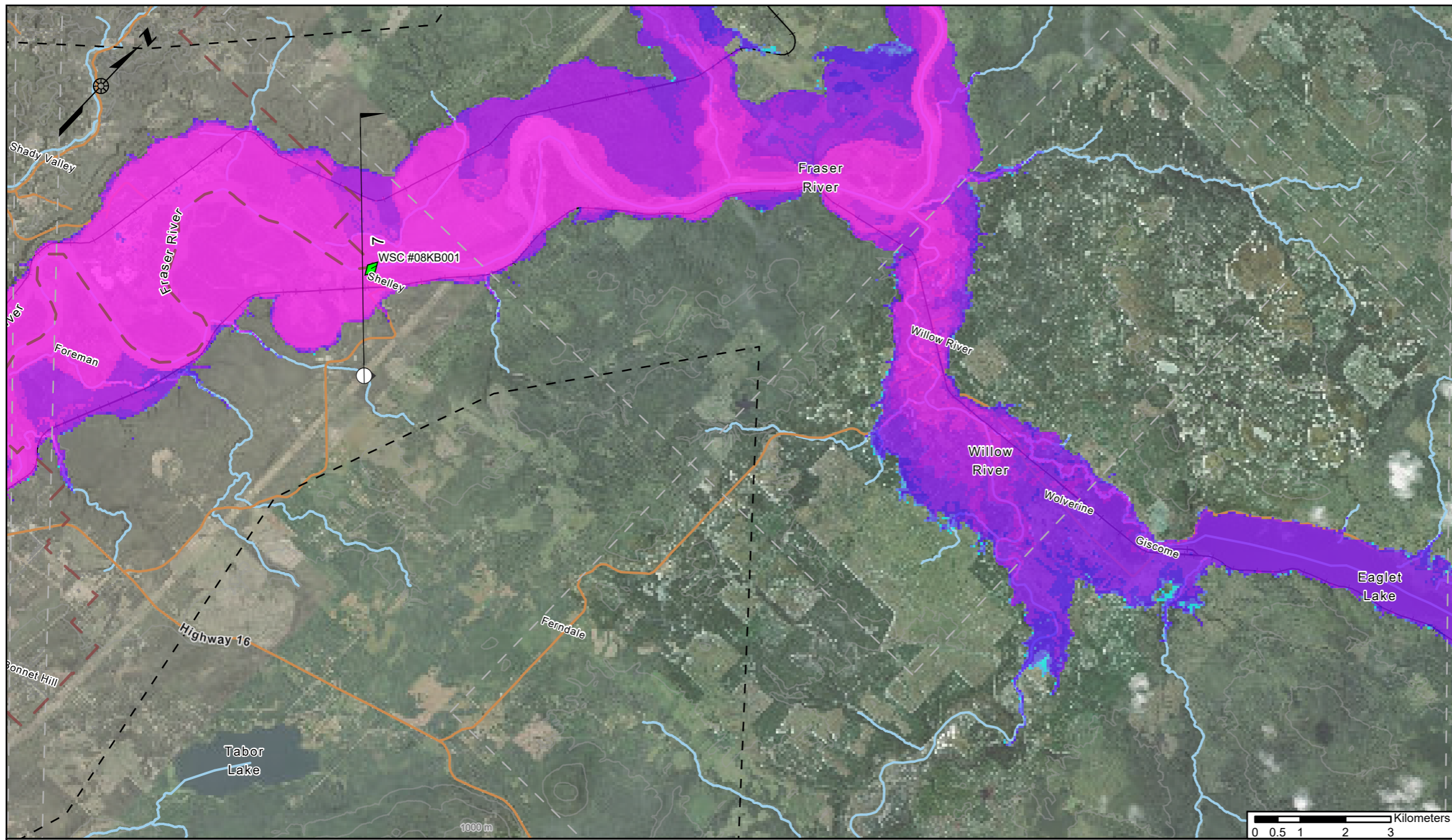


NECHAKO 2024 DAM BREACH ASSESSMENT

KENNEY DAM FAIR WEATHER FAILURE

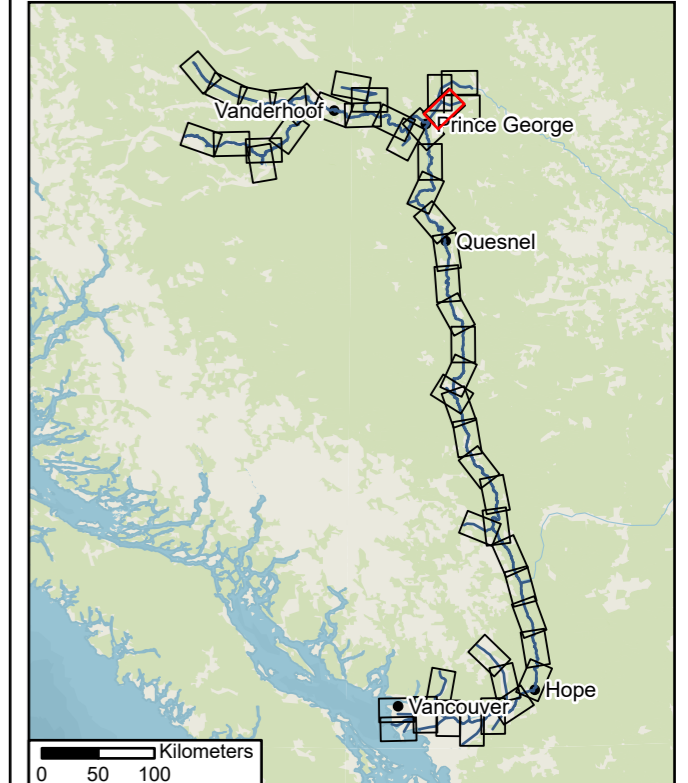
MAXIMUM FLOW DEPTH

DATE	6/20/2025	
SCALE	1:100,000	MAP NO. 02-17
PROJECT NO.	P10436A04	



- NOTES:
1. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
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 3. PLACENAME AND ROAD DATA FROM OPEN STREET MAPS, DOWNLOADED AUGUST 27, 2024.
 4. WATERCOURSE DATA FROM NATIONAL RESOURCES CANADA NATIONAL HYDROGRAPHIC NETWORK, DOWNLOADED AUGUST 27, 2024.
 5. PROPERTY DATA FROM BC INTEGRATED CADASTRAL FABRIC, DOWNLOADED AUGUST 27, 2024.
 6. BASEMAP DATA SOURCE: ARCGIS ONLINE
 7. MAP TO BE READ IN CONJUNCTION WITH KCB REPORT "NECHAKO 2024 DAM BREACH ASSESSMENT".

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ID	Max Water Level (m)	Peak Flow (m3/s)	Front Arrival Time (dd hh:mm)	Peak Arrival Time (dd hh:mm)	Flood Duration (dd)
7	601.3	11390	1d 18:10	2d 15:20	>15

LEGEND

- | | | | | |
|--|------------------|--|------------------------|-------------------------------|
| | CITY BOUNDARY | | WATERCOURSE | MAXIMUM FLOW DEPTH (m) |
| | MAP SHEET EXTENT | | INDEX CONTOURS (100 m) | |
| | MODEL EXTENT | | CROSS-SECTION | |
| | BUILDING | | BASE INFLOW | |
| | RAILWAY | | | |
| | PRIMARY ROAD | | | |
| | | | | |

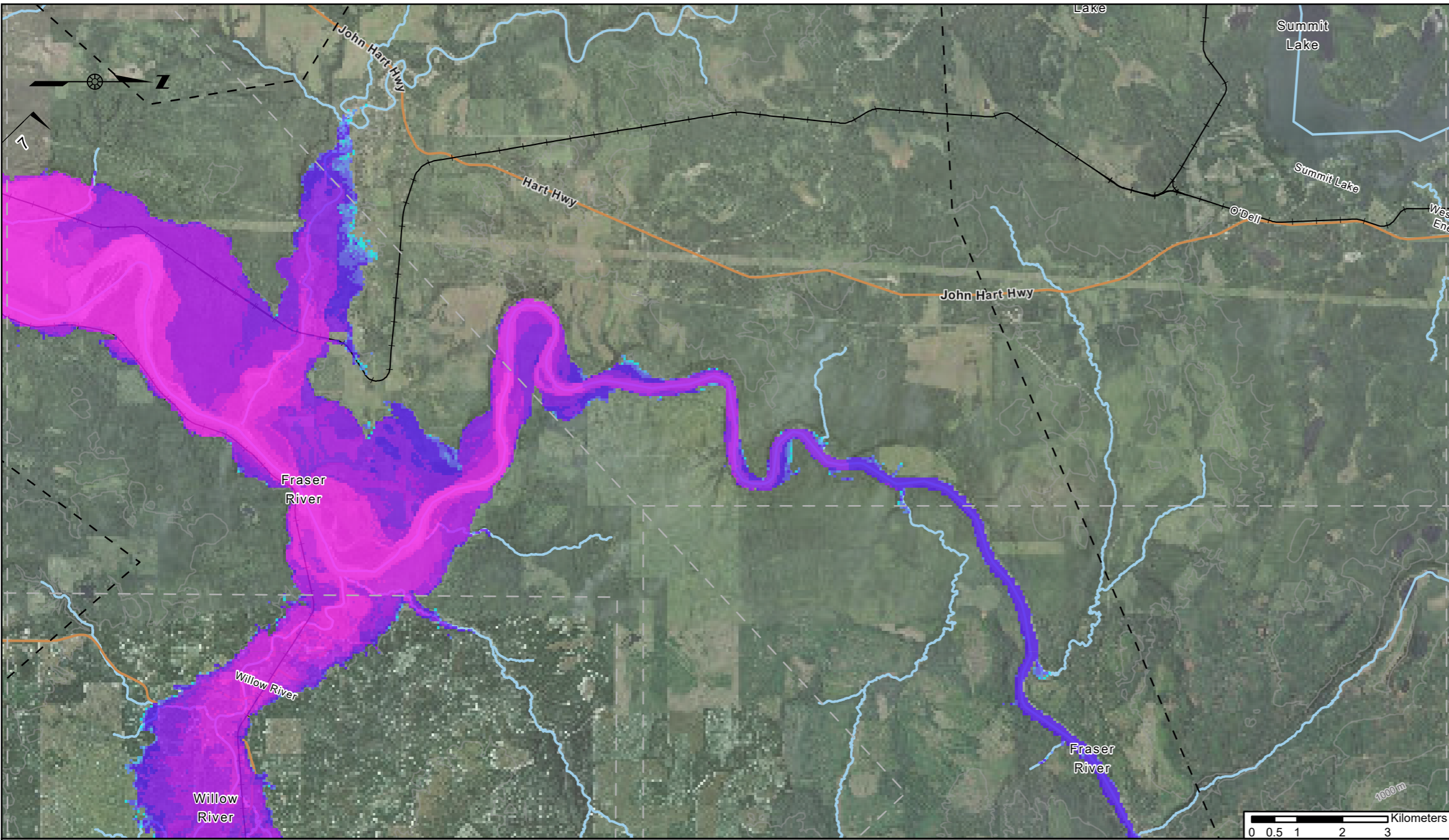
RioTinto **Klohn Crippen Berger**

NECHAKO 2024 DAM BREACH ASSESSMENT

KENNEY DAM FAIR WEATHER FAILURE
MAXIMUM FLOW DEPTH

DATE 6/20/2025

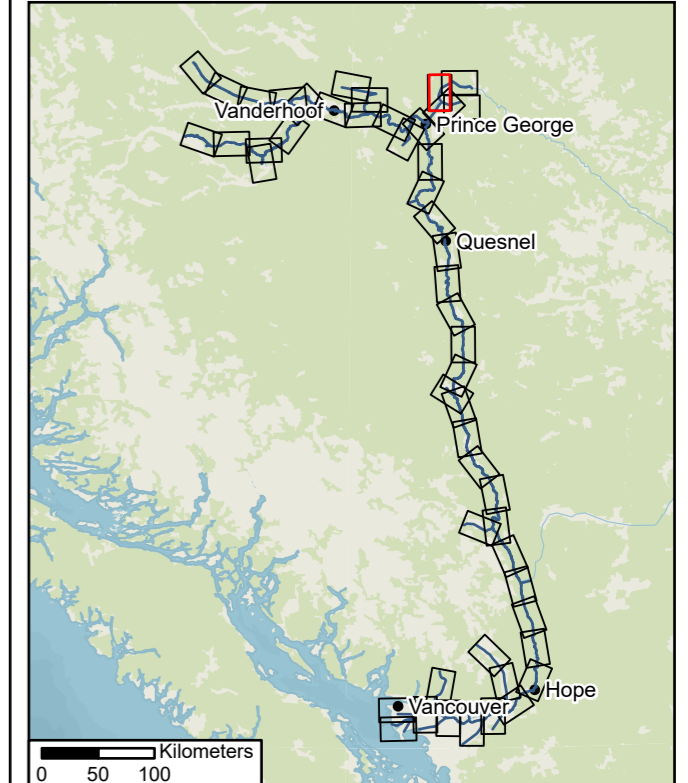
SCALE 1:100,000	PROJECT NO. P10436A04	MAP NO. 02-18
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NOTES:

1. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
2. HORIZONTAL PROJECTION AND DATUM: NAD83 UTM ZONE 10N. VERTICAL DATUM: CGVD2013.
3. PLACENAME AND ROAD DATA FROM OPEN STREET MAPS, DOWNLOADED AUGUST 27, 2024.
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5. PROPERTY DATA FROM BC INTEGRATED CADASTRAL FABRIC, DOWNLOADED AUGUST 27, 2024.
6. BASEMAP DATA SOURCE: ARCGIS ONLINE
7. MAP TO BE READ IN CONJUNCTION WITH KCB REPORT "NECHAKO 2024 DAM BREACH ASSESSMENT".

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ID	Max Water Level (m)	Peak Flow (m3/s)	Front Arrival Time (dd hh:mm)	Peak Arrival Time (dd hh:mm)	Flood Duration (dd)
7	601.3	11390	1d 18:10	2d 15:20	>15

LEGEND

	CITY BOUNDARY		WATERCOURSE	MAXIMUM FLOW DEPTH (m)
	MAP SHEET EXTENT		INDEX CONTOURS (100 m)	
	MODEL EXTENT		CROSS-SECTION	
	BUILDING		BASE INFLOW	
	RAILWAY			
	PRIMARY ROAD			
				0.3 - 0.5
				0.5 - 1
				1 - 2
				2 - 5
				5 - 10
				10 - 15
				15 - 20
				> 20

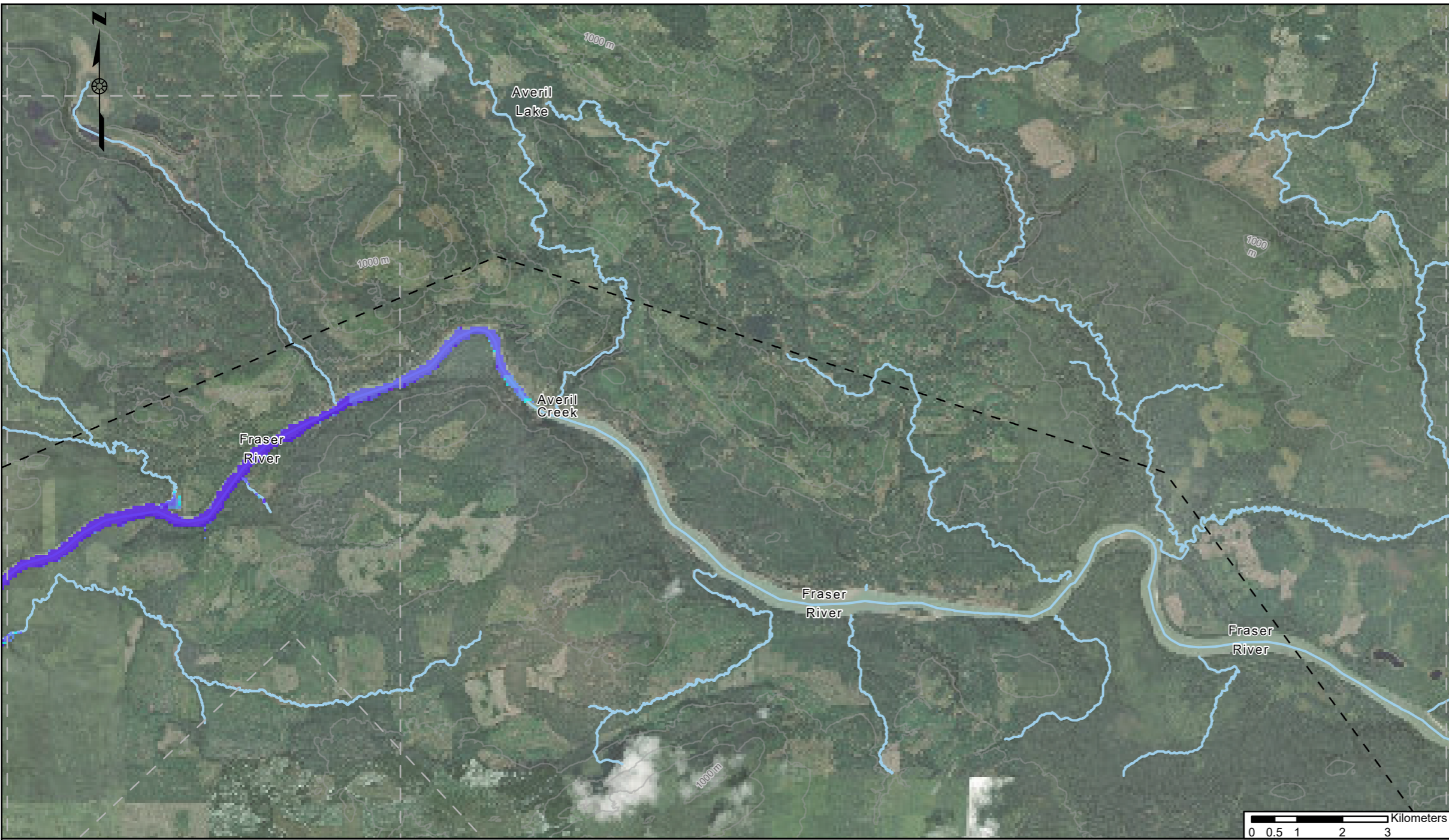
RioTinto **Klohn Crippen Berger**

NECHAKO 2024 DAM BREACH ASSESSMENT

**KENNEY DAM FAIR WEATHER FAILURE
MAXIMUM FLOW DEPTH**

DATE 6/20/2025

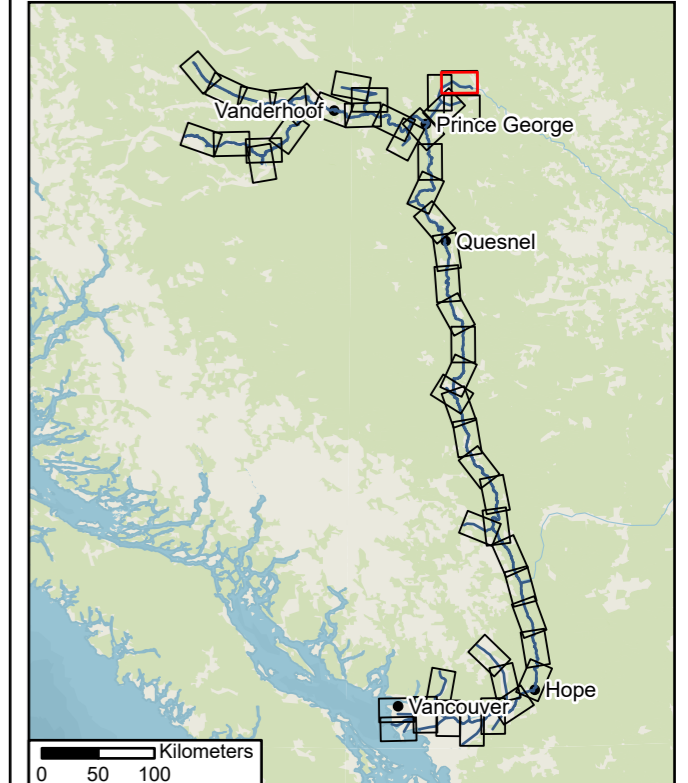
SCALE 1:100,000	PROJECT NO. P10436A04	MAP NO. 02-19
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NOTES:

1. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
2. HORIZONTAL PROJECTION AND DATUM: NAD83 UTM ZONE 10N. VERTICAL DATUM: CGVD2013.
3. PLACENAME AND ROAD DATA FROM OPEN STREET MAPS, DOWNLOADED AUGUST 27, 2024.
4. WATERCOURSE DATA FROM NATIONAL RESOURCES CANADA NATIONAL HYDROGRAPHIC NETWORK, DOWNLOADED AUGUST 27, 2024.
5. PROPERTY DATA FROM BC INTEGRATED CADASTRAL FABRIC, DOWNLOADED AUGUST 27, 2024.
6. BASEMAP DATA SOURCE: ARCGIS ONLINE
7. MAP TO BE READ IN CONJUNCTION WITH KCB REPORT "NECHAKO 2024 DAM BREACH ASSESSMENT".

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LEGEND

	CITY BOUNDARY		WATERCOURSE	MAXIMUM FLOW DEPTH (m)
	MAP SHEET EXTENT		INDEX CONTOURS (100 m)	
	MODEL EXTENT		CROSS-SECTION	
	BUILDING		BASE INFLOW	
	RAILWAY			
	PRIMARY ROAD			
				< 0.3
				0.3 - 0.5
				0.5 - 1
				1 - 2
				2 - 5
				5 - 10
				10 - 15
				15 - 20
				> 20

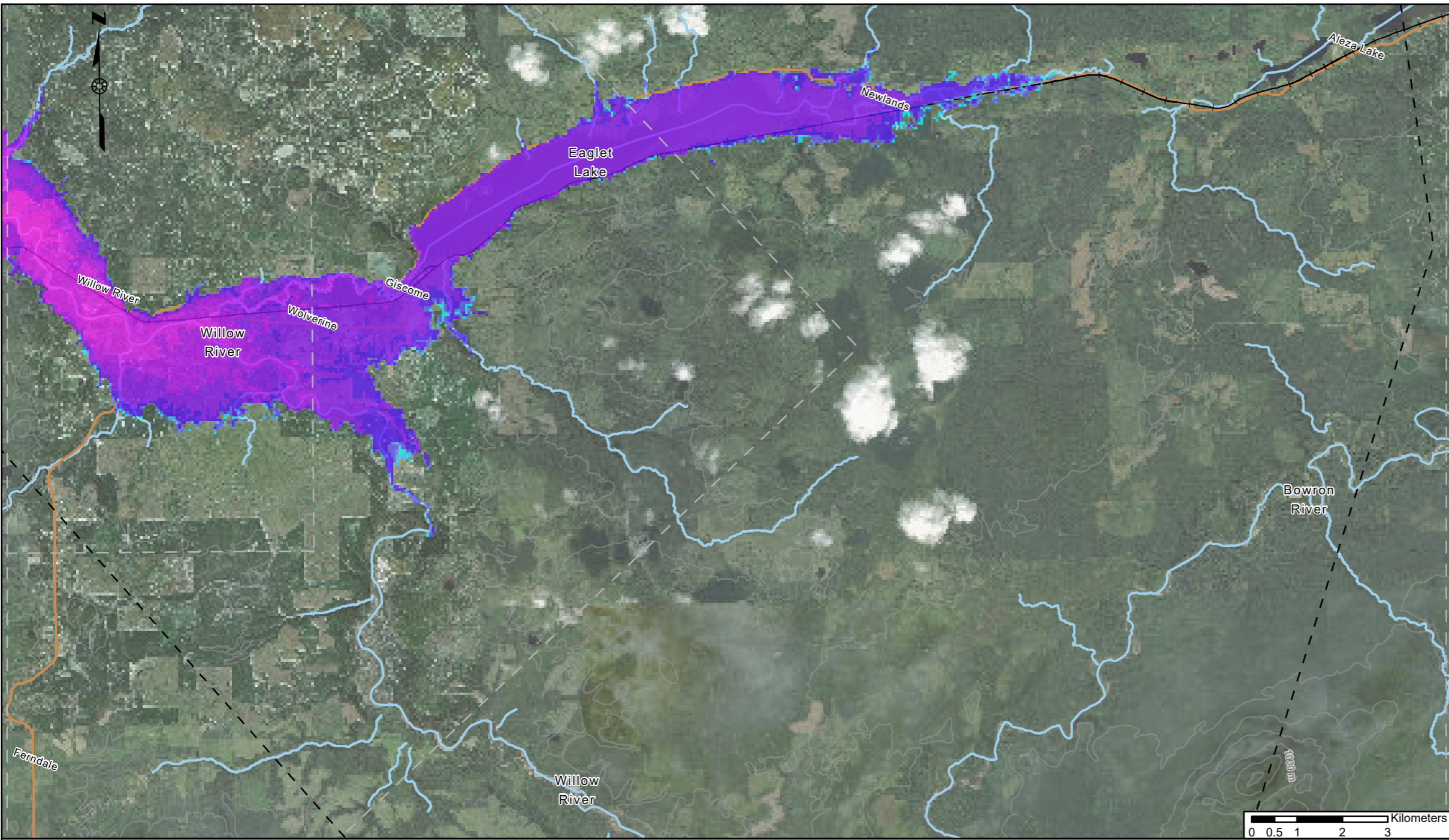
RioTinto **Klohn Crippen Berger**

NECHAKO 2024 DAM BREACH ASSESSMENT

**KENNEY DAM FAIR WEATHER FAILURE
MAXIMUM FLOW DEPTH**

DATE 6/20/2025

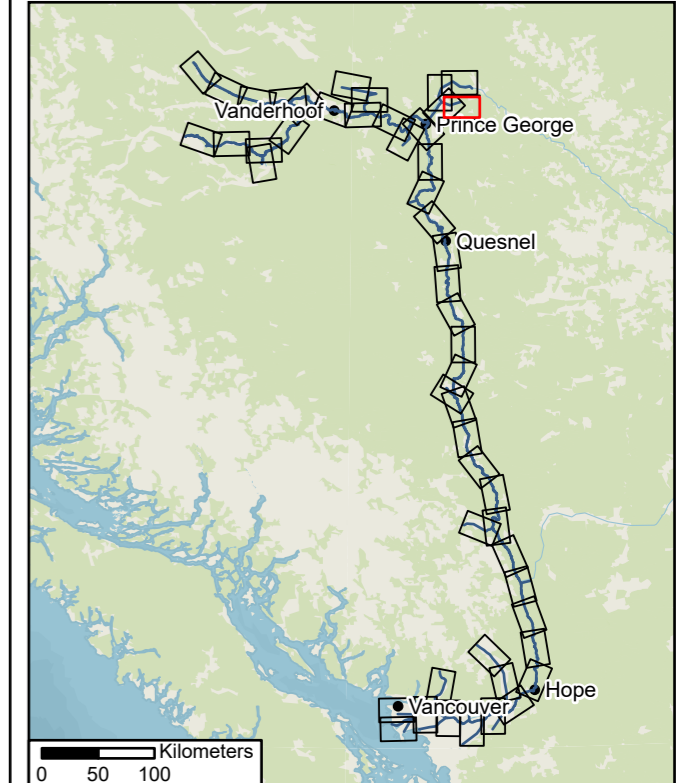
SCALE 1:100,000	PROJECT NO. P10436A04	MAP NO. 02-20
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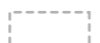

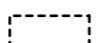
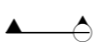


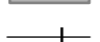










NOTES:


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3. PLACENAME AND ROAD DATA FROM OPEN STREET MAPS, DOWNLOADED AUGUST 27, 2024.
4. WATERCOURSE DATA FROM NATIONAL RESOURCES CANADA NATIONAL HYDROGRAPHIC NETWORK, DOWNLOADED AUGUST 27, 2024.
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LEGEND

	CITY BOUNDARY		WATERCOURSE	MAXIMUM FLOW DEPTH (m)	
	MAP SHEET EXTENT		INDEX CONTOURS (100 m)		
	MODEL EXTENT		CROSS-SECTION		
	BUILDING		BASE INFLOW		
	RAILWAY				
	PRIMARY ROAD				
					< 0.3
					0.3 - 0.5
					0.5 - 1
					1 - 2
					2 - 5
					5 - 10
					10 - 15
					15 - 20
					> 20

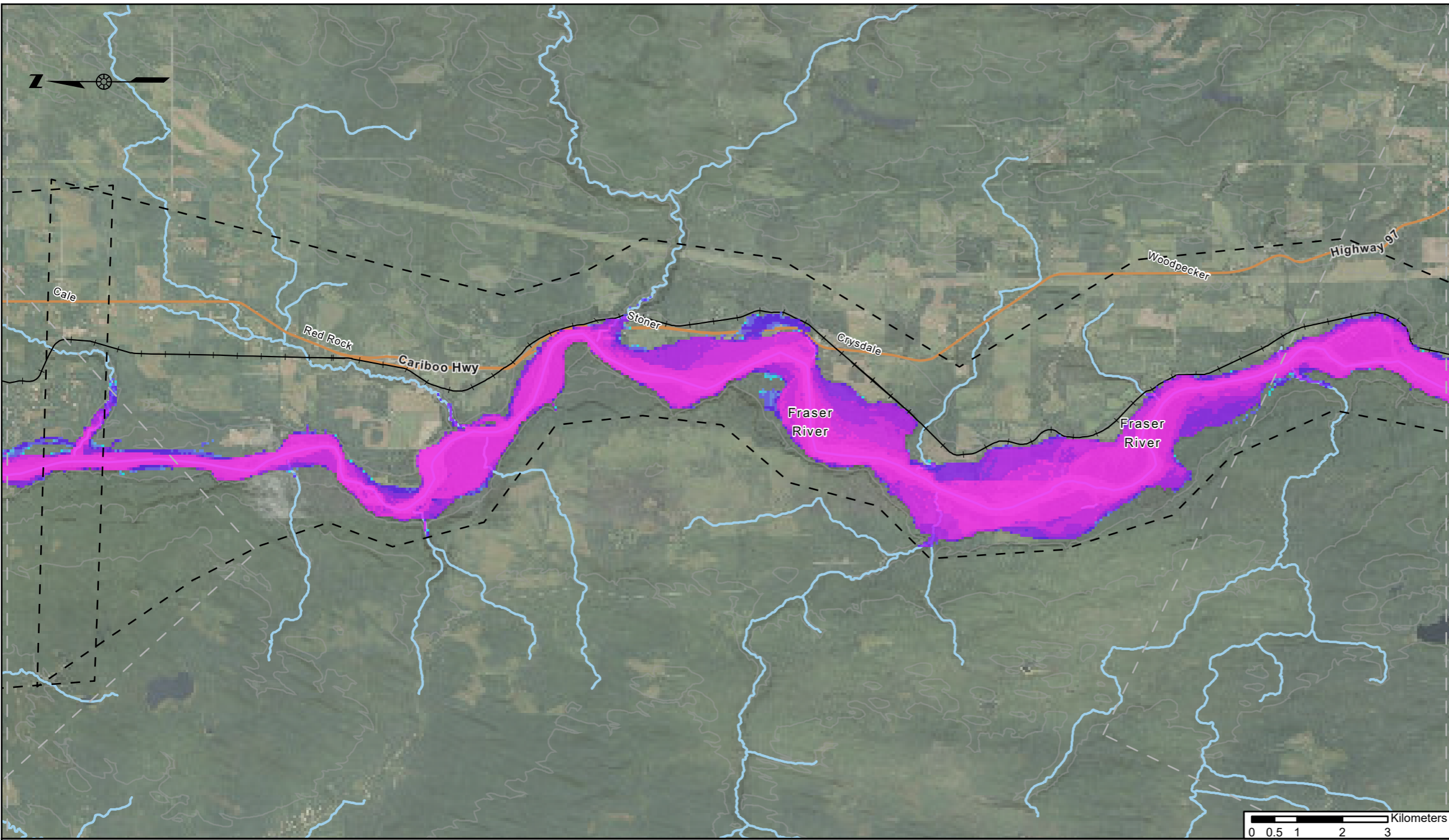
RioTinto  **Klohn Crippen Berger**

NECHAKO 2024 DAM BREACH ASSESSMENT

**KENNEY DAM FAIR WEATHER FAILURE
MAXIMUM FLOW DEPTH**

DATE 6/20/2025

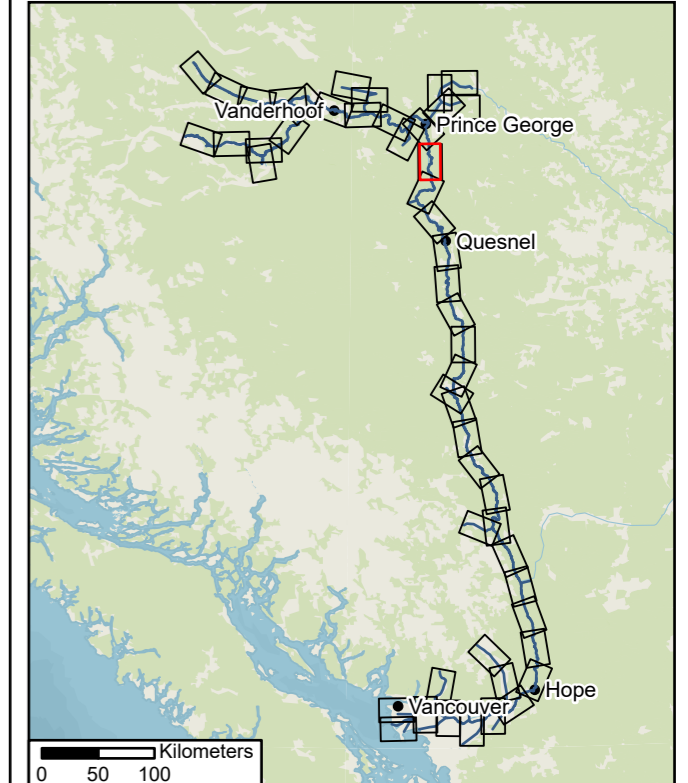
SCALE 1:100,000	PROJECT NO. P10436A04	MAP NO. 02-21
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NOTES:

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2. HORIZONTAL PROJECTION AND DATUM: NAD83 UTM ZONE 10N. VERTICAL DATUM: CGVD2013.
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LEGEND

	CITY BOUNDARY		WATERCOURSE	MAXIMUM FLOW DEPTH (m)
	MAP SHEET EXTENT		INDEX CONTOURS (100 m)	
	MODEL EXTENT		CROSS-SECTION	
	BUILDING		BASE INFLOW	
	RAILWAY			
	PRIMARY ROAD			
				< 0.3
				0.3 - 0.5
				0.5 - 1
				1 - 2
				2 - 5
				5 - 10
				10 - 15
				15 - 20
				> 20

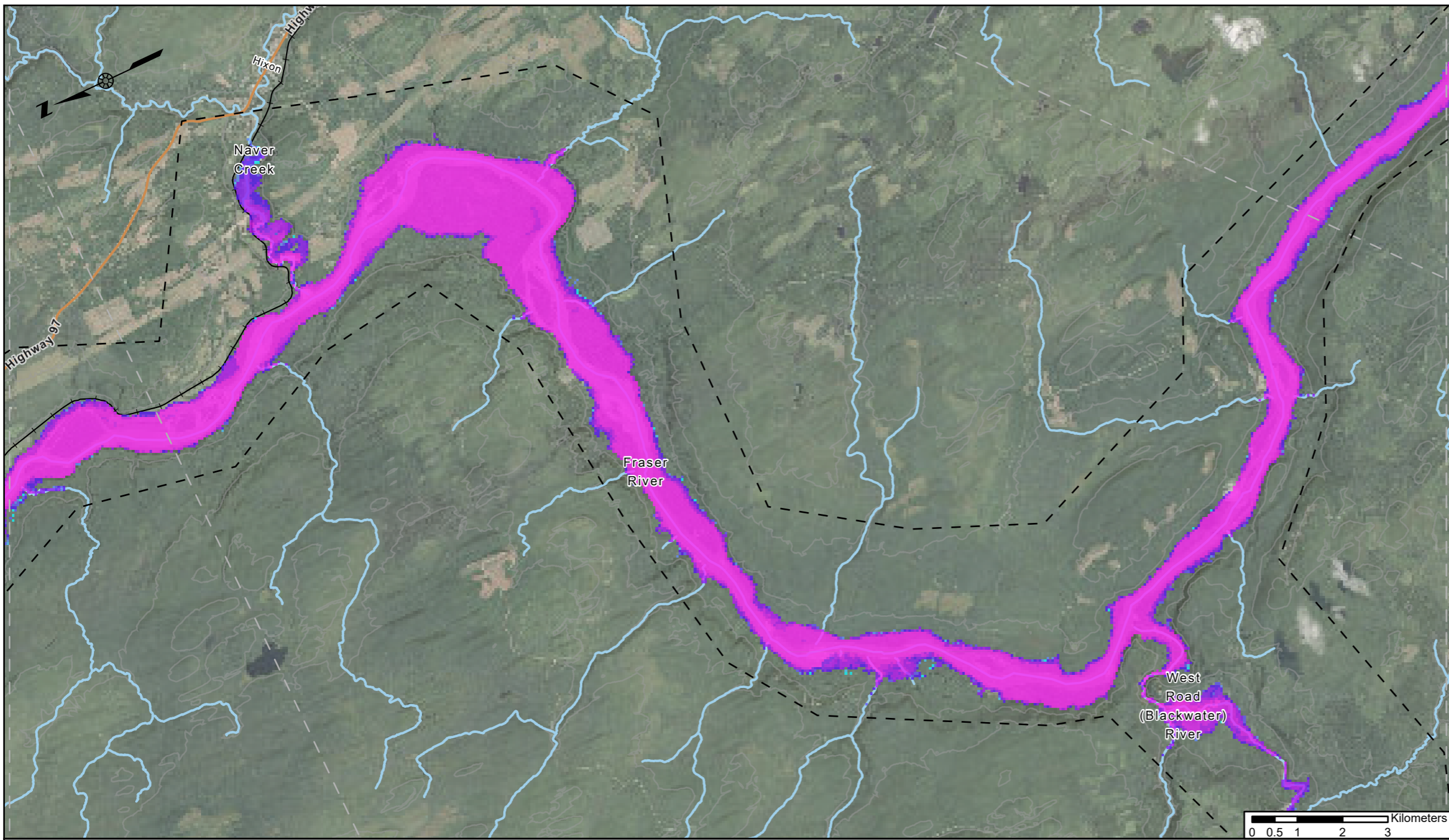
RioTinto **Klohn Crippen Berger**

NECHAKO 2024 DAM BREACH ASSESSMENT

**KENNEY DAM FAIR WEATHER FAILURE
MAXIMUM FLOW DEPTH**

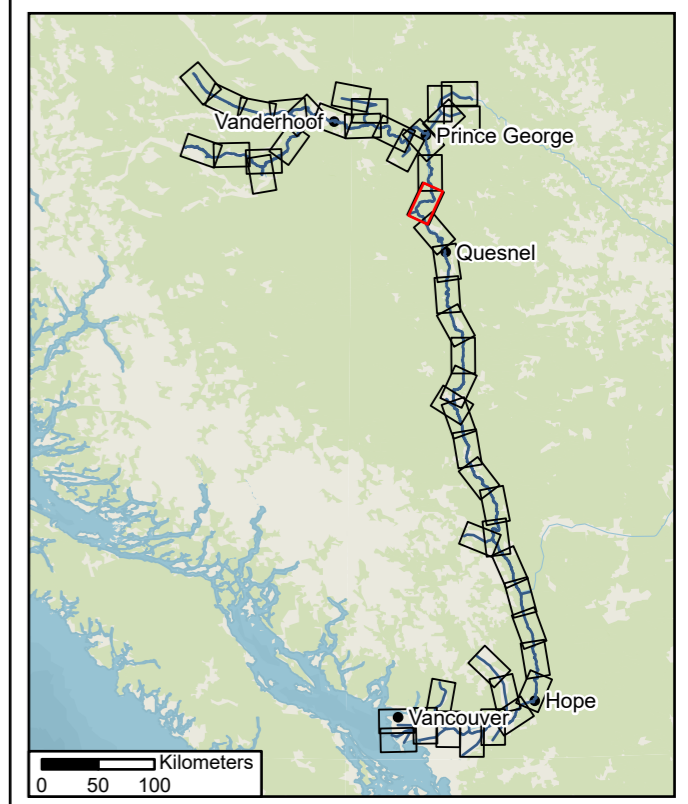
DATE 6/20/2025

SCALE 1:100,000	PROJECT NO. P10436A04	MAP NO. 02-22
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- NOTES:
1. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
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LEGEND

	CITY BOUNDARY		WATERCOURSE	MAXIMUM FLOW DEPTH (m) < 0.3 0.3 - 0.5 0.5 - 1 1 - 2 2 - 5 5 - 10 10 - 15 15 - 20 > 20
	MAP SHEET EXTENT		INDEX CONTOURS (100 m)	
	MODEL EXTENT		CROSS-SECTION	
	BUILDING		BASE INFLOW	
	RAILWAY			
	PRIMARY ROAD			

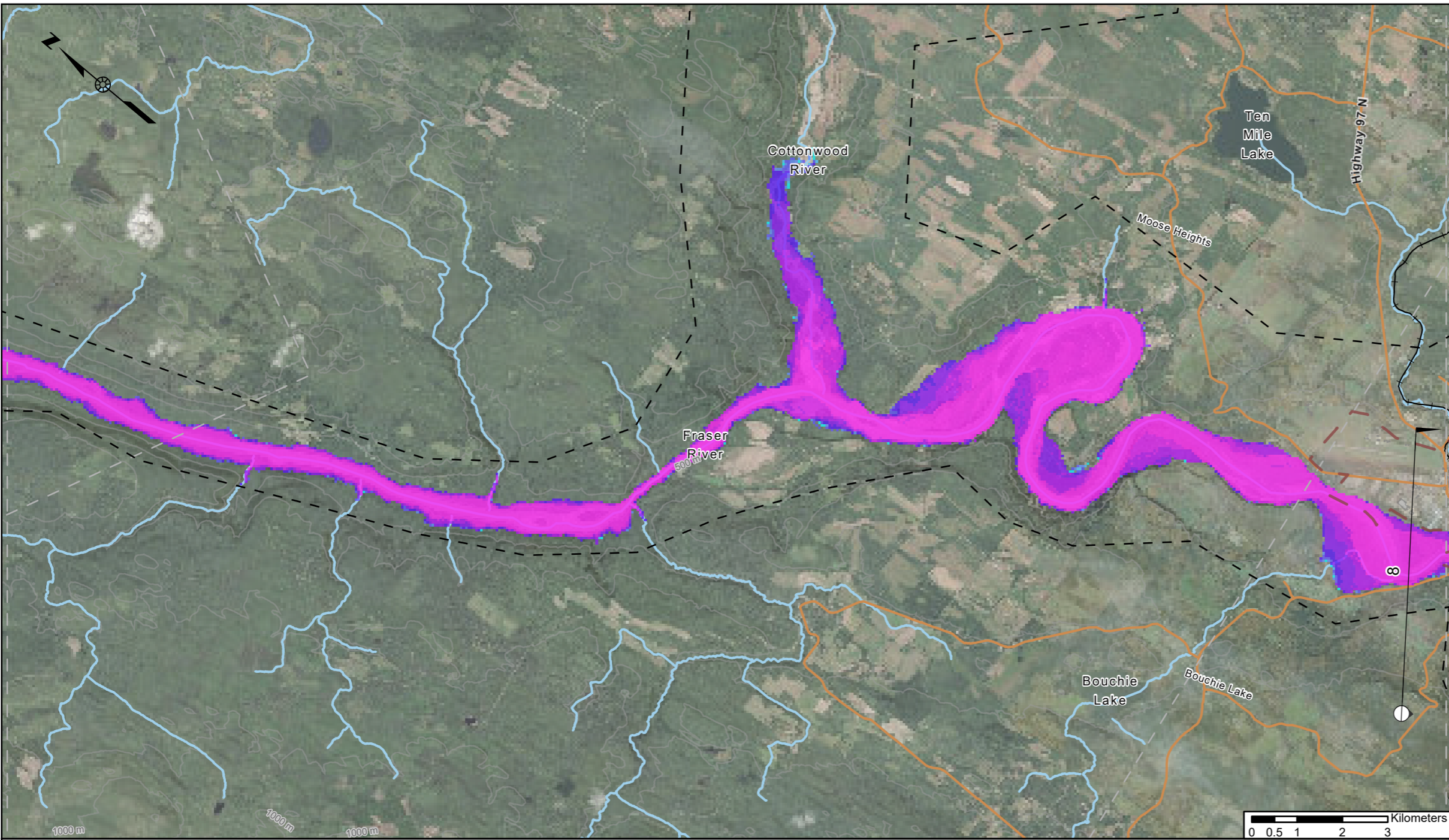
RioTinto **Klohn Crippen Berger**

NECHAKO 2024 DAM BREACH ASSESSMENT

**KENNEY DAM FAIR WEATHER FAILURE
MAXIMUM FLOW DEPTH**

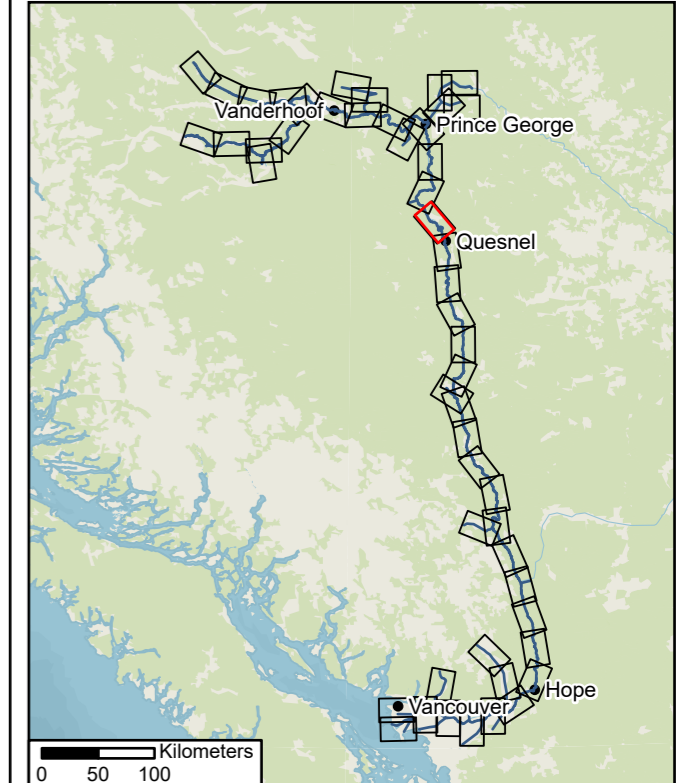
DATE 6/20/2025

SCALE 1:100,000	PROJECT NO. P10436A04	MAP NO. 02-23
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- NOTES:
1. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
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ID	Max Water Level (m)	Peak Flow (m3/s)	Front Arrival Time (dd hh:mm)	Peak Arrival Time (dd hh:mm)	Flood Duration (dd)
8	500.6	51560	2d 10:20	4d 14:40	>15

LEGEND

- | | | |
|------------------|------------------------|-------------------------------|
| CITY BOUNDARY | WATERCOURSE | MAXIMUM FLOW DEPTH (m) |
| MAP SHEET EXTENT | INDEX CONTOURS (100 m) | |
| MODEL EXTENT | CROSS-SECTION | |
| BUILDING | BASE INFLOW | |
| RAILWAY | | |
| PRIMARY ROAD | | |
| | | |

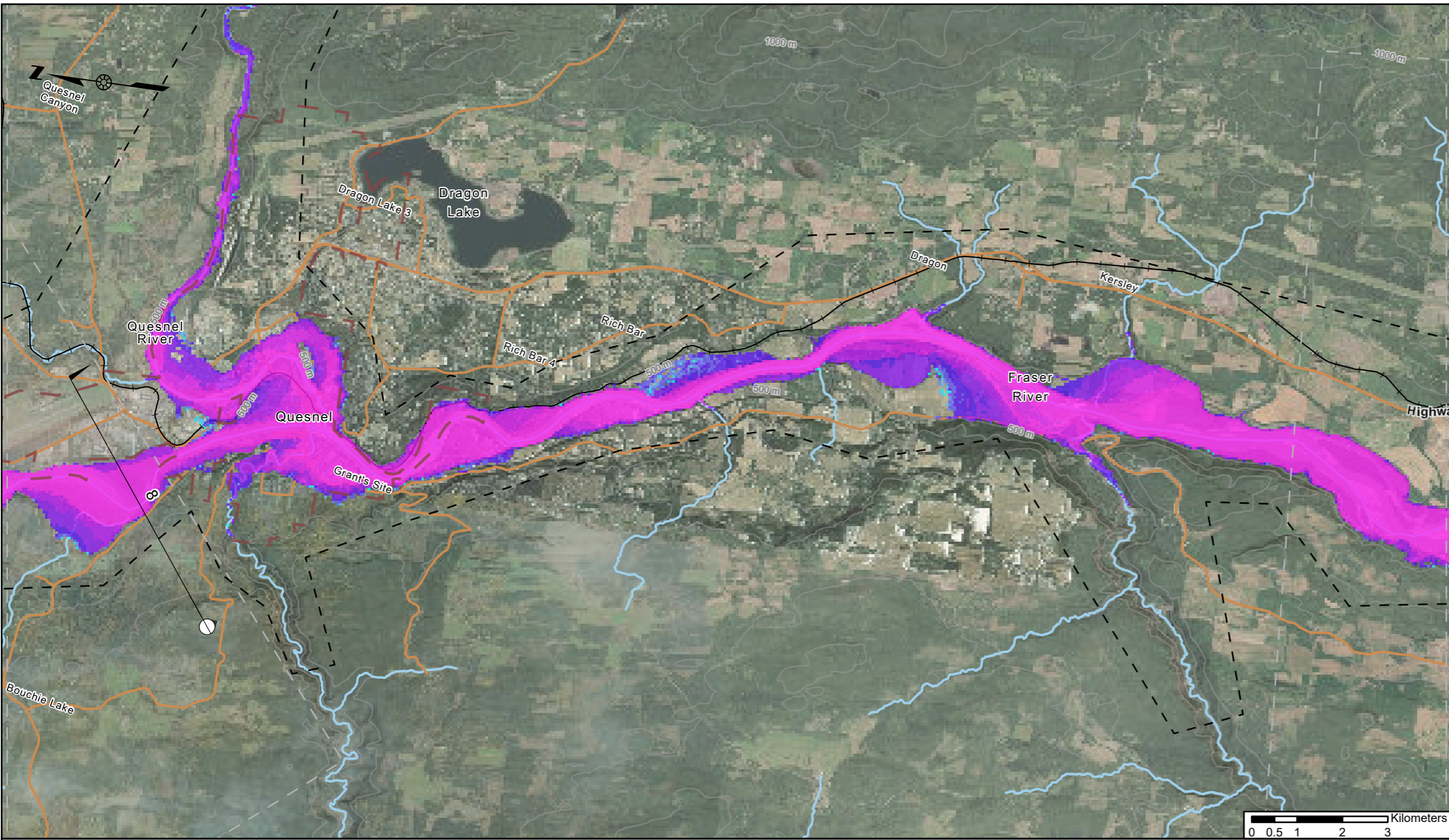
RioTinto **Klohn Crippen Berger**

NECHAKO 2024 DAM BREACH ASSESSMENT

**KENNEY DAM FAIR WEATHER FAILURE
MAXIMUM FLOW DEPTH**

DATE 6/20/2025

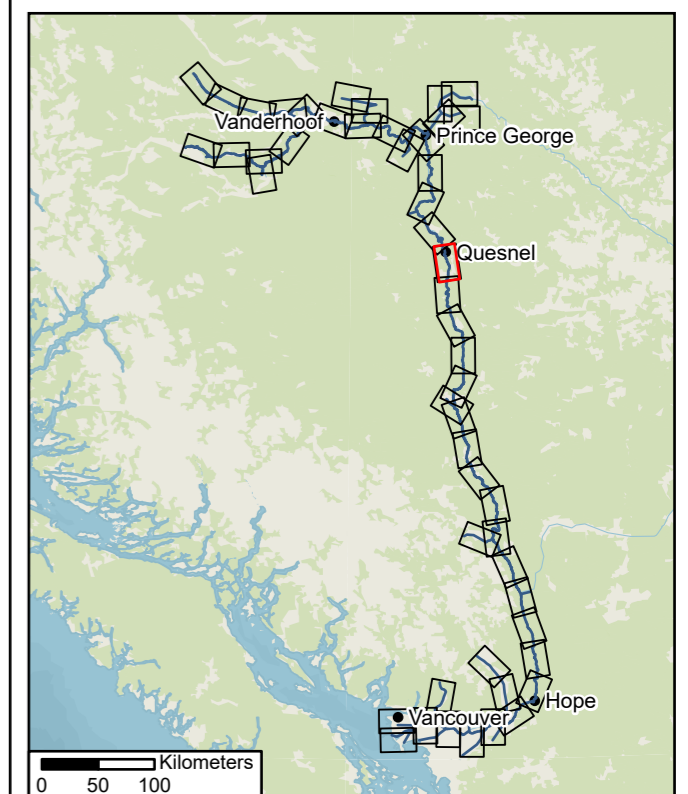
SCALE 1:100,000	PROJECT NO. P10436A04	MAP NO. 02-24
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NOTES:

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ID	Max Water Level (m)	Peak Flow (m3/s)	Front Arrival Time (dd hh:mm)	Peak Arrival Time (dd hh:mm)	Flood Duration (dd)
8	500.6	51560	2d 10:20	4d 14:40	>15

LEGEND

	CITY BOUNDARY		WATERCOURSE	MAXIMUM FLOW DEPTH (m)
	MAP SHEET EXTENT		INDEX CONTOURS (100 m)	
	MODEL EXTENT		CROSS-SECTION	
	BUILDING		BASE INFLOW	
	RAILWAY			
	PRIMARY ROAD			

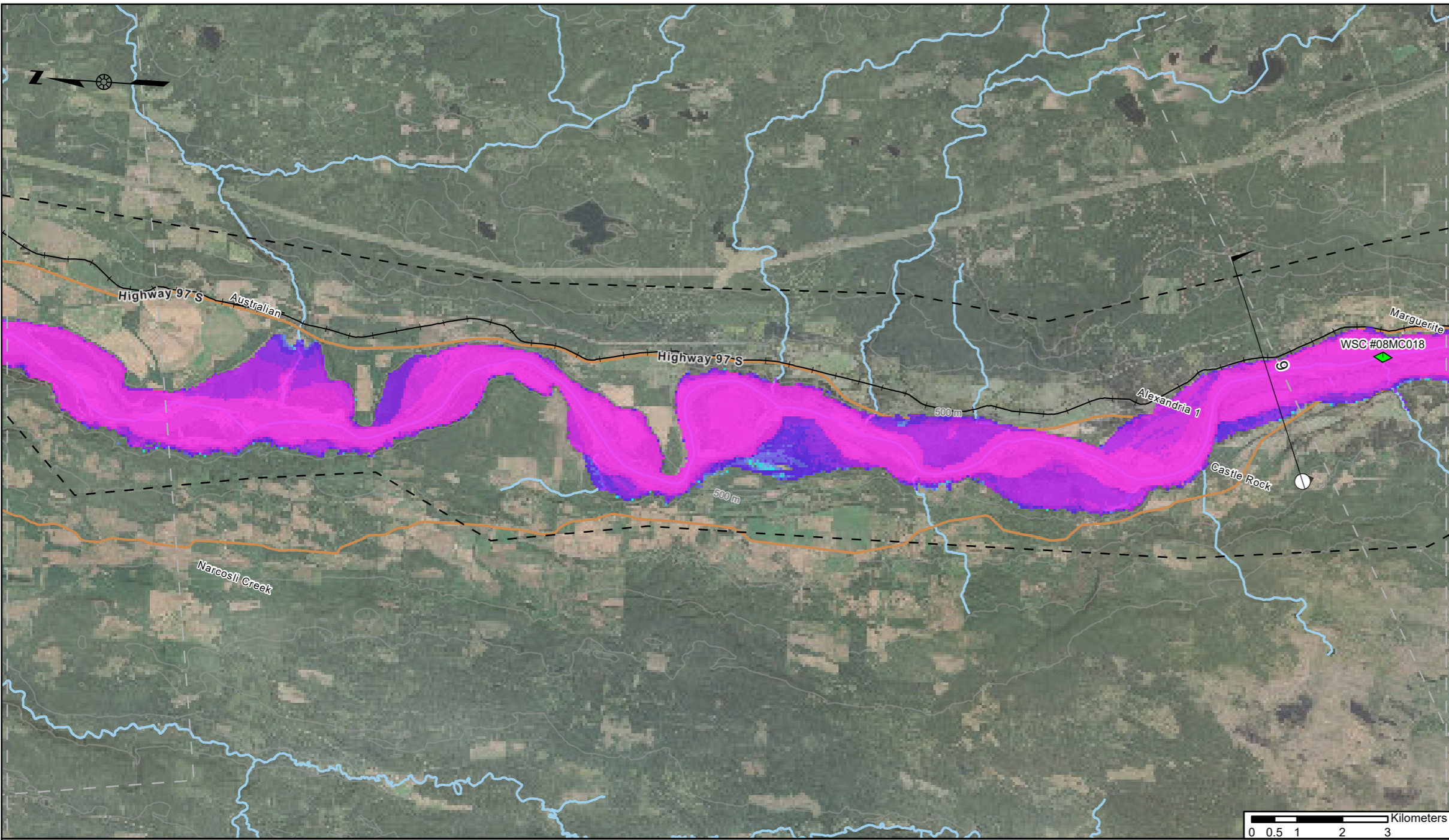


NECHAKO 2024 DAM BREACH ASSESSMENT

KENNEY DAM FAIR WEATHER FAILURE

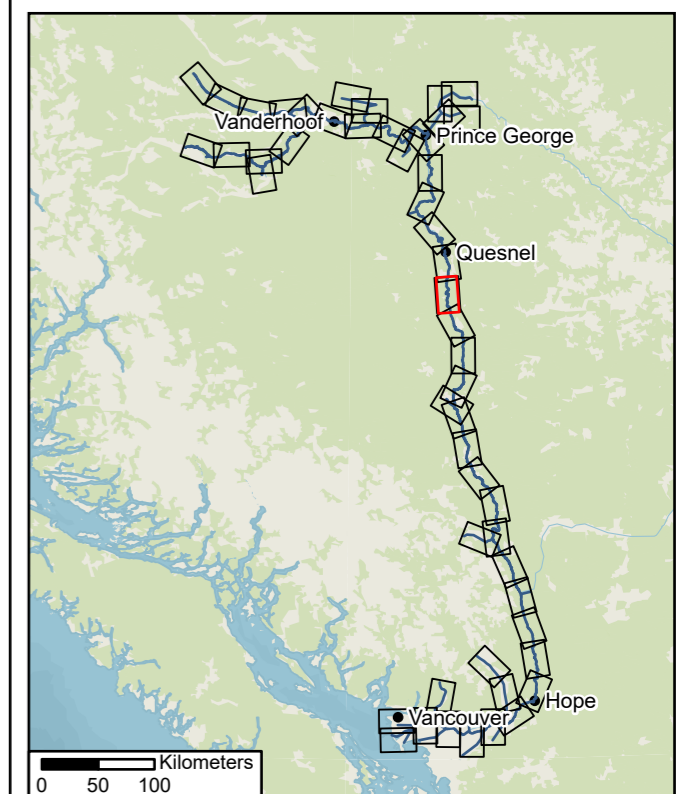
MAXIMUM FLOW DEPTH

DATE	6/20/2025	
SCALE	1:100,000	MAP NO. 02-25
PROJECT NO.	P10436A04	



- NOTES:
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ID	Max Water Level (m)	Peak Flow (m3/s)	Front Arrival Time (dd hh:mm)	Peak Arrival Time (dd hh:mm)	Flood Duration (dd)
9	472.2	50200	2d 20:00	5d 00:20	>15

LEGEND

- | | | |
|------------------|------------------------|-------------------------------|
| CITY BOUNDARY | WATERCOURSE | MAXIMUM FLOW DEPTH (m) |
| MAP SHEET EXTENT | INDEX CONTOURS (100 m) | |
| MODEL EXTENT | CROSS-SECTION | |
| BUILDING | BASE INFLOW | |
| RAILWAY | | |
| PRIMARY ROAD | | |
| | | |
| | | 0.3 - 0.5 |
| | | 0.5 - 1 |
| | | 1 - 2 |
| | | 2 - 5 |
| | | 5 - 10 |
| | | 10 - 15 |
| | | 15 - 20 |
| | | > 20 |

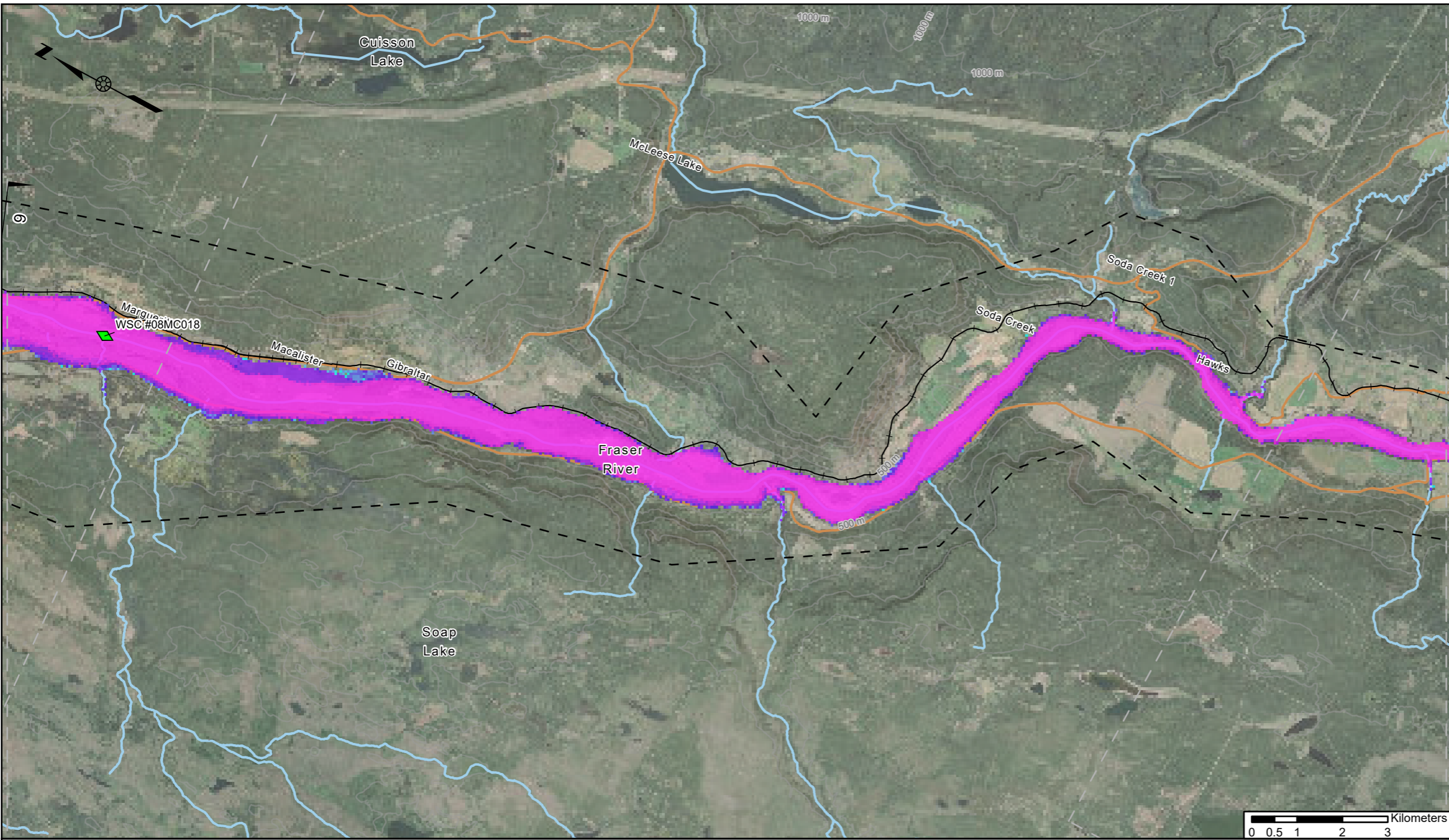
RioTinto **Klohn Crippen Berger**

NECHAKO 2024 DAM BREACH ASSESSMENT

KENNEY DAM FAIR WEATHER FAILURE
MAXIMUM FLOW DEPTH

DATE 6/20/2025

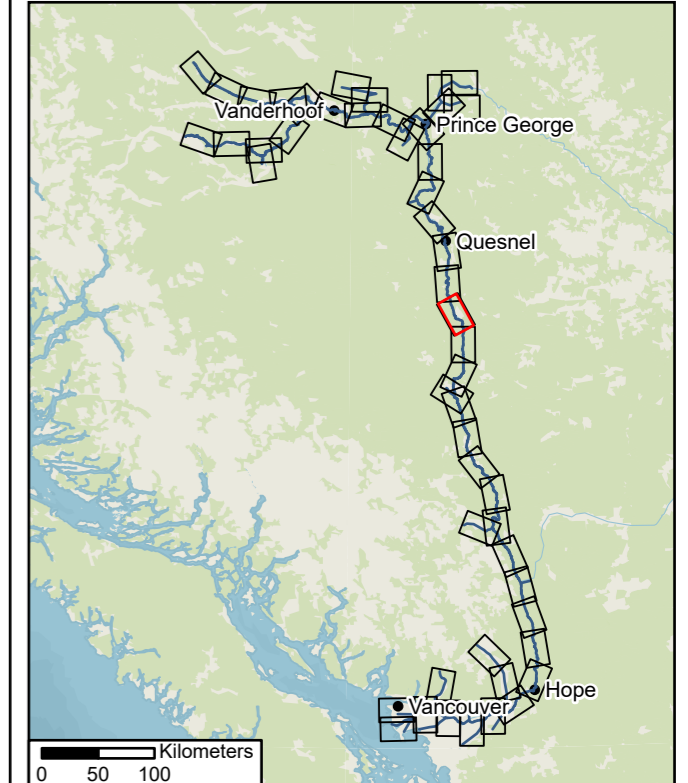
SCALE 1:100,000	PROJECT NO. P10436A04	MAP NO. 02-26
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NOTES:

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2. HORIZONTAL PROJECTION AND DATUM: NAD83 UTM ZONE 10N. VERTICAL DATUM: CGVD2013.
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ID	Max Water Level (m)	Peak Flow (m3/s)	Front Arrival Time (dd hh:mm)	Peak Arrival Time (dd hh:mm)	Flood Duration (dd)
9	472.2	50200	2d 20:00	5d 00:20	>15

LEGEND

	CITY BOUNDARY		WATERCOURSE	MAXIMUM FLOW DEPTH (m)
	MAP SHEET EXTENT		INDEX CONTOURS (100 m)	
	MODEL EXTENT		CROSS-SECTION	
	BUILDING		BASE INFLOW	
	RAILWAY			
	PRIMARY ROAD			
				< 0.3
				0.3 - 0.5
				0.5 - 1
				1 - 2
				2 - 5
				5 - 10
				10 - 15
				15 - 20
				> 20

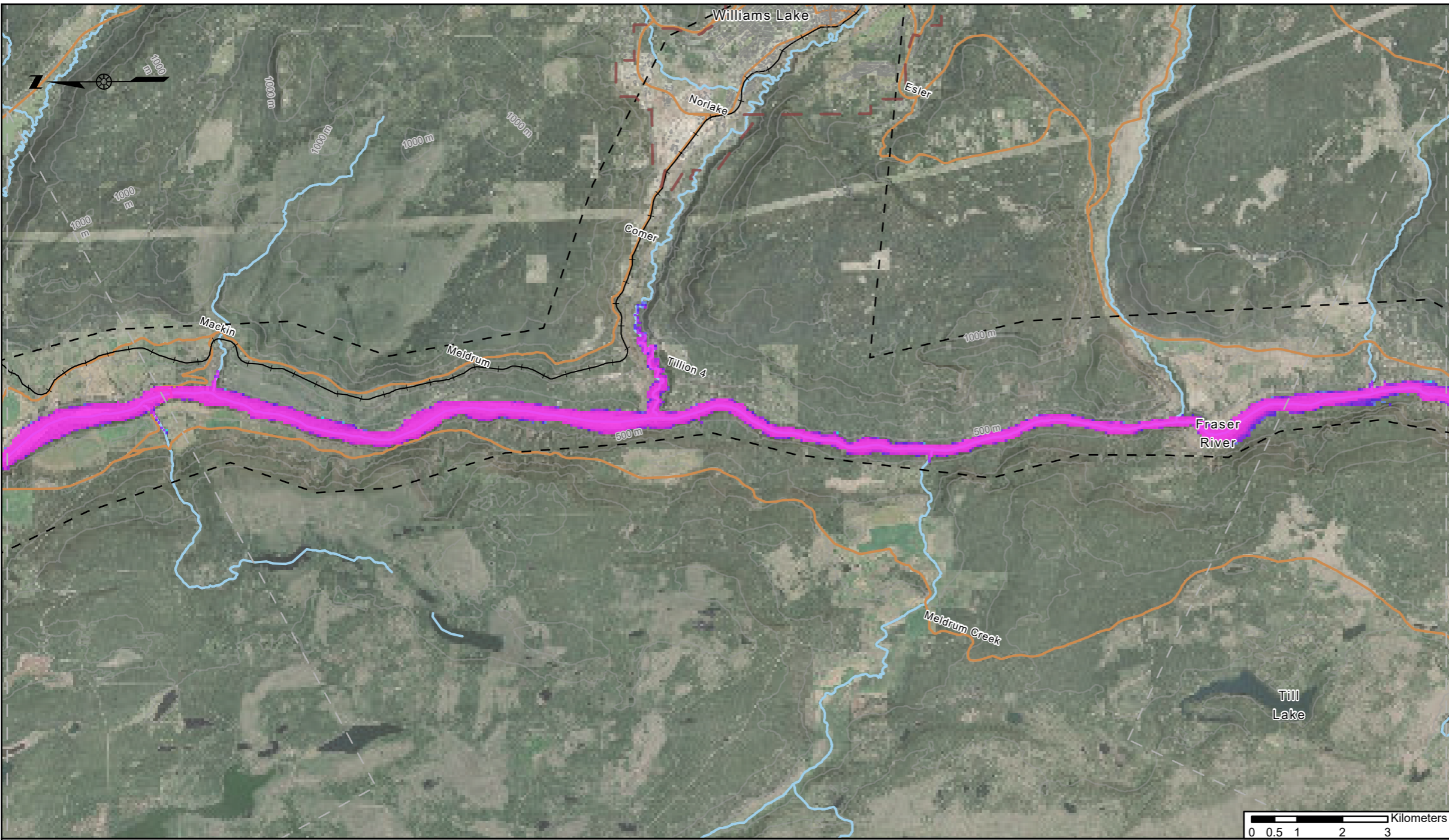


NECHAKO 2024 DAM BREACH ASSESSMENT

KENNEY DAM FAIR WEATHER FAILURE

MAXIMUM FLOW DEPTH

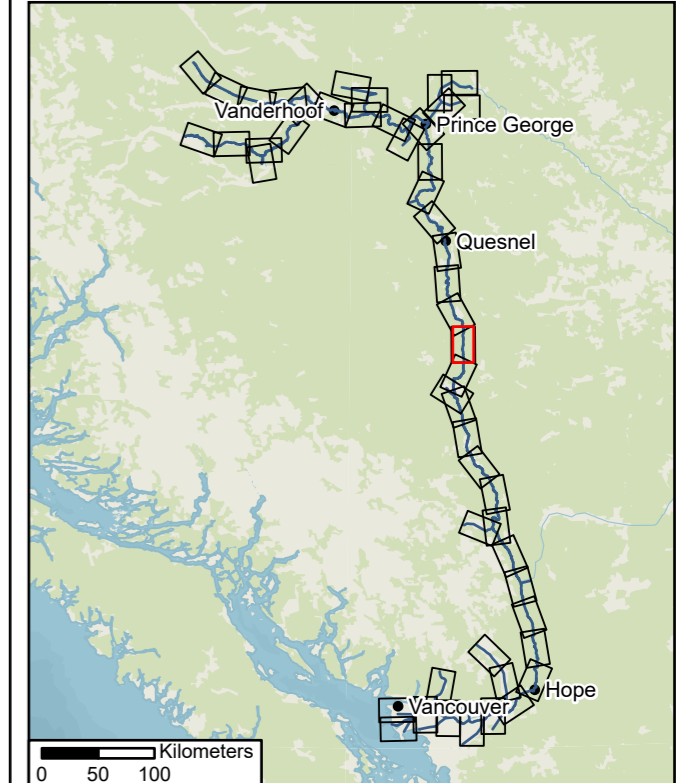
DATE	6/20/2025	
SCALE	1:100,000	PROJECT NO. P10436A04
		MAP NO. 02-27



NOTES:

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LEGEND

	CITY BOUNDARY		WATERCOURSE	MAXIMUM FLOW DEPTH (m)
	MAP SHEET EXTENT		INDEX CONTOURS (100 m)	
	MODEL EXTENT		CROSS-SECTION	
	BUILDING		BASE INFLOW	
	RAILWAY			
	PRIMARY ROAD			
				< 0.3
				0.3 - 0.5
				0.5 - 1
				1 - 2
				2 - 5
				5 - 10
				10 - 15
				15 - 20
				> 20

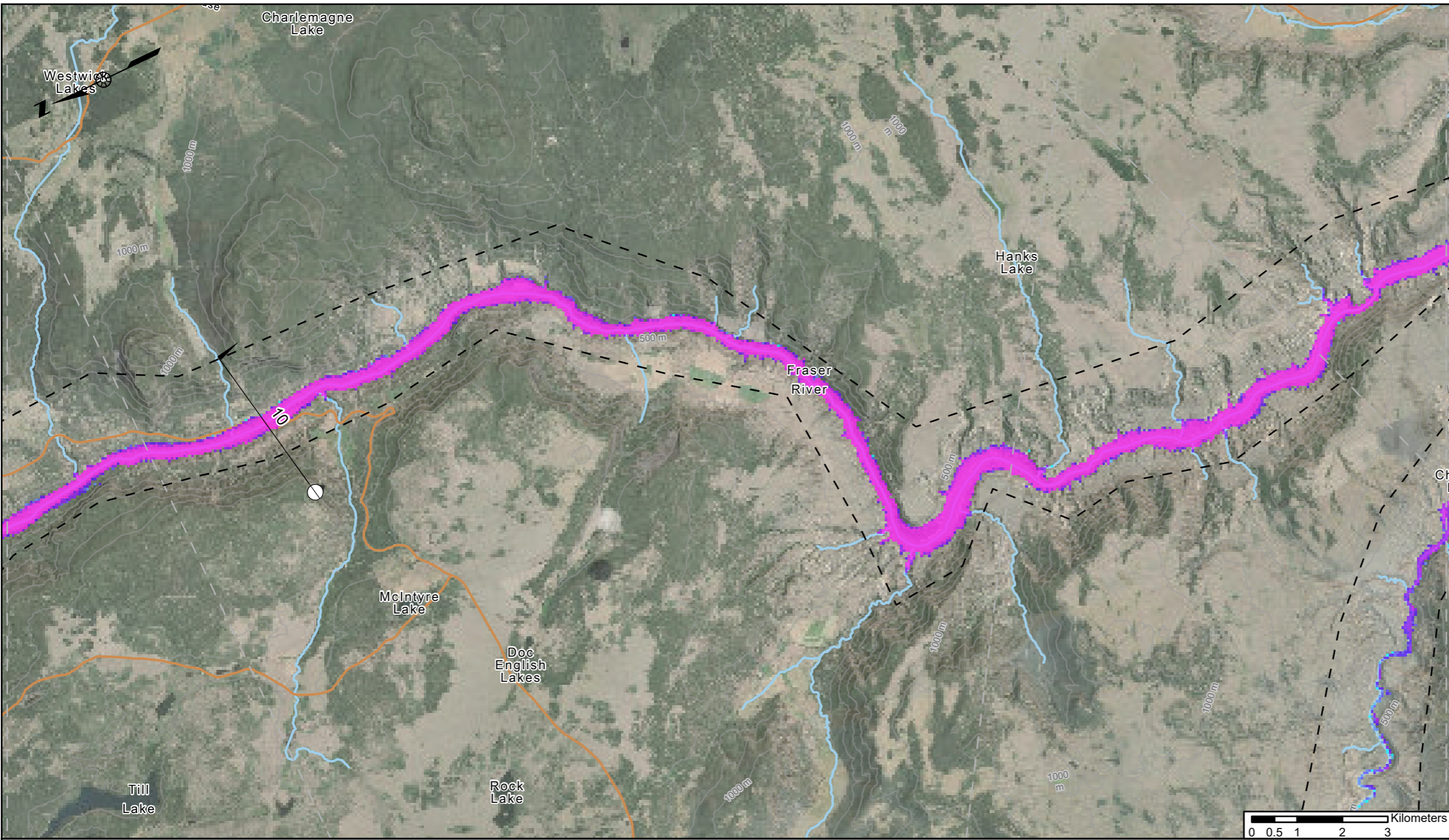
RioTinto **Klohn Crippen Berger**

NECHAKO 2024 DAM BREACH ASSESSMENT

**KENNEY DAM FAIR WEATHER FAILURE
MAXIMUM FLOW DEPTH**

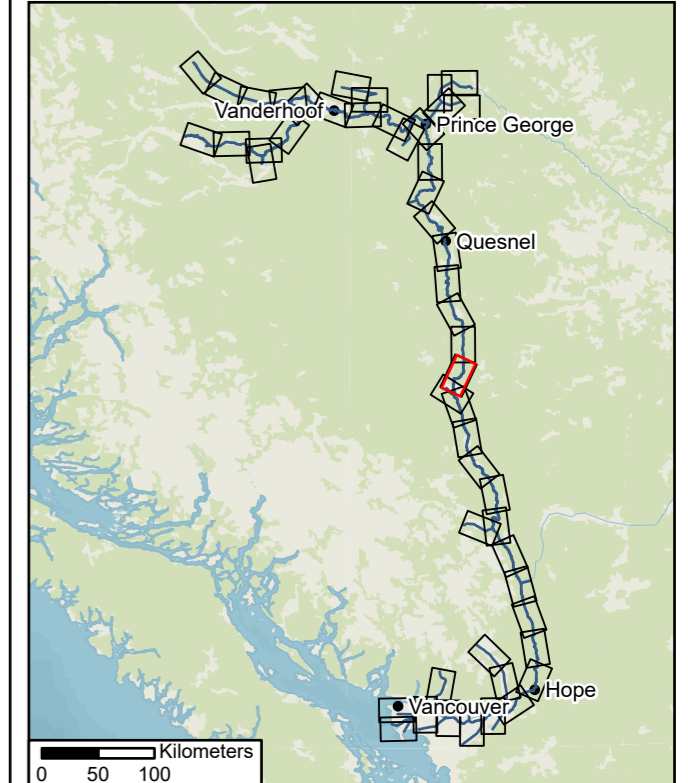
DATE 6/20/2025

SCALE 1:100,000	PROJECT NO. P10436A04	MAP NO. 02-28
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- NOTES:
1. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
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ID	Max Water Level (m)	Peak Flow (m3/s)	Front Arrival Time (dd hh:mm)	Peak Arrival Time (dd hh:mm)	Flood Duration (dd)
10	437.2	49640	3d 4:20	5d 08:20	>15

LEGEND

- | | | | | |
|--|------------------|--|------------------------|-------------------------------|
| | CITY BOUNDARY | | WATERCOURSE | MAXIMUM FLOW DEPTH (m) |
| | MAP SHEET EXTENT | | INDEX CONTOURS (100 m) | |
| | MODEL EXTENT | | CROSS-SECTION | |
| | BUILDING | | BASE INFLOW | |
| | RAILWAY | | | |
| | PRIMARY ROAD | | | |
| | | | | |
| | | | | < 0.3 |
| | | | | 0.3 - 0.5 |
| | | | | 0.5 - 1 |
| | | | | 1 - 2 |
| | | | | 2 - 5 |
| | | | | 5 - 10 |
| | | | | 10 - 15 |
| | | | | 15 - 20 |
| | | | | > 20 |

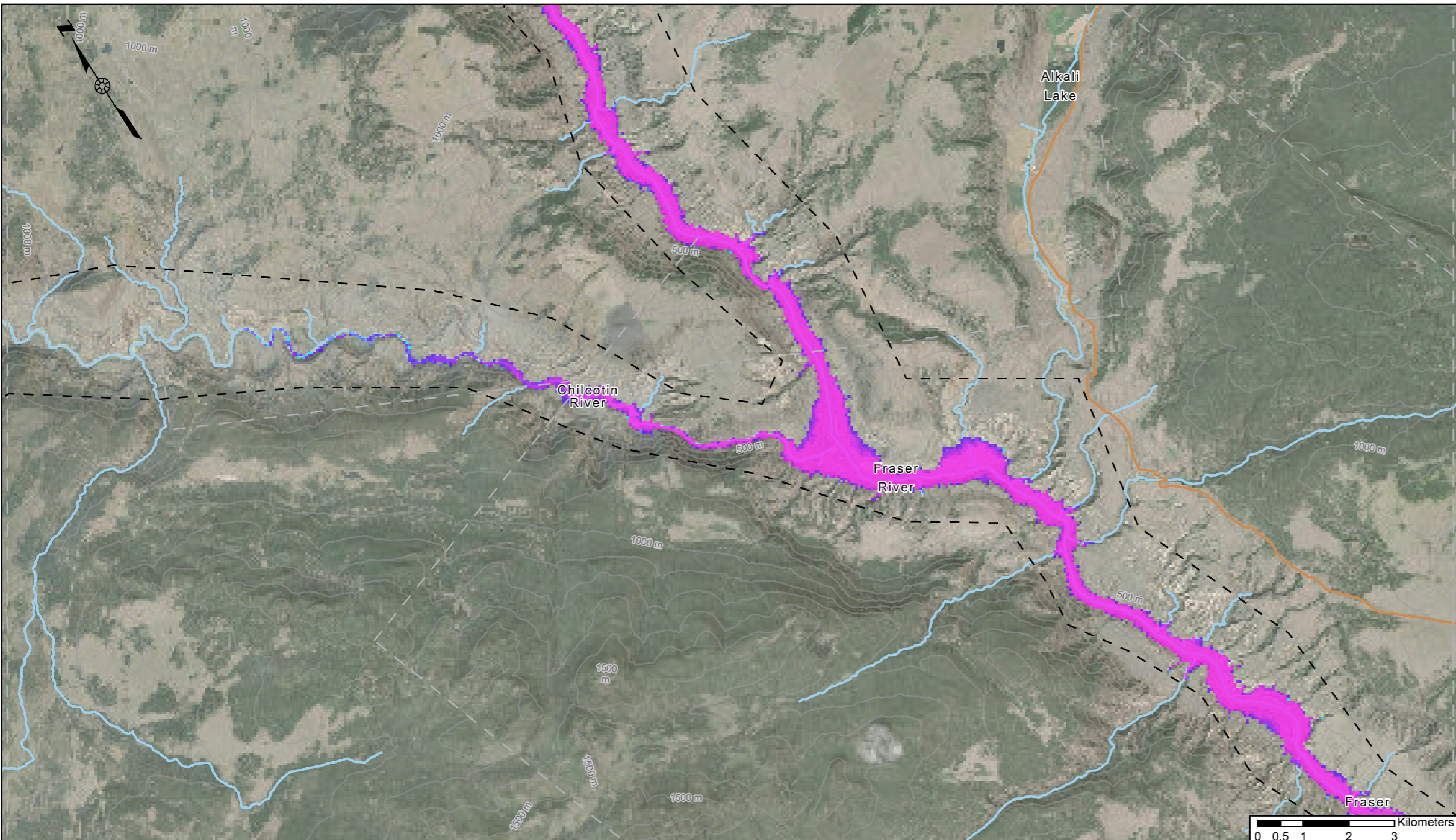
RioTinto **Klohn Crippen Berger**

NECHAKO 2024 DAM BREACH ASSESSMENT

KENNEY DAM FAIR WEATHER FAILURE
MAXIMUM FLOW DEPTH

DATE 6/20/2025

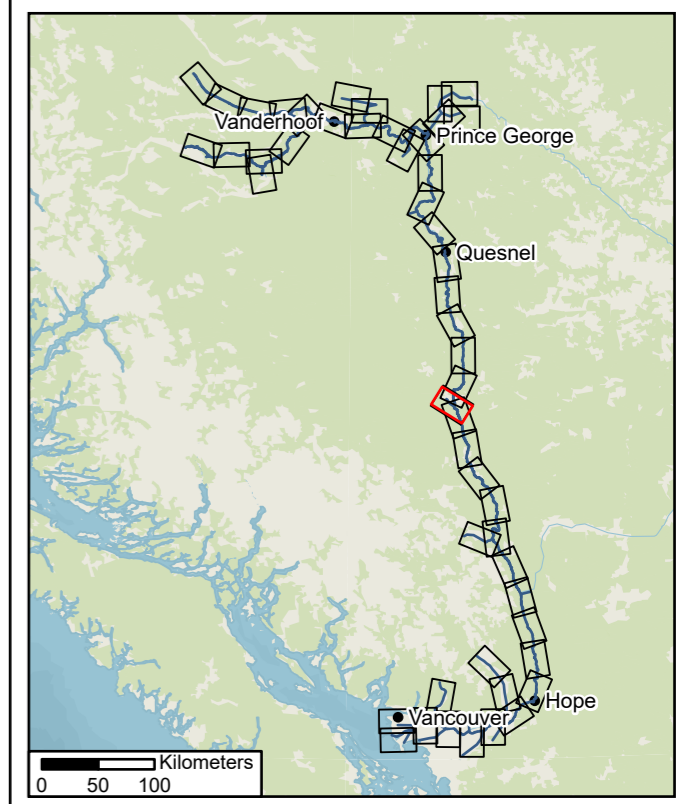
SCALE 1:100,000	PROJECT NO. P10436A04	MAP NO. 02-29
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NOTES:

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6. BASEMAP DATA SOURCE: ARCGIS ONLINE
7. MAP TO BE READ IN CONJUNCTION WITH KCB REPORT "NECHAKO 2024 DAM BREACH ASSESSMENT".

THIS MAP IS AN INSTRUMENT OF SERVICE OF KLOHN CRIPPEN BERGER (KCB). THE MAP HAS BEEN PREPARED FOR THE EXCLUSIVE USE OF RIO TINTO (RTA) FOR THE SPECIFIC APPLICATION TO THE NECHAKO RESERVOIR, AND IT MAY NOT BE RELIED UPON BY ANY OTHER PARTY WITHOUT KCB'S WRITTEN CONSENT.



LEGEND

	CITY BOUNDARY		WATERCOURSE	MAXIMUM FLOW DEPTH (m)
	MAP SHEET EXTENT		INDEX CONTOURS (100 m)	
	MODEL EXTENT		CROSS-SECTION	
	BUILDING		BASE INFLOW	
	RAILWAY			
	PRIMARY ROAD			
				< 0.3
				0.3 - 0.5
				0.5 - 1
				1 - 2
				2 - 5
				5 - 10
				10 - 15
				15 - 20
				> 20

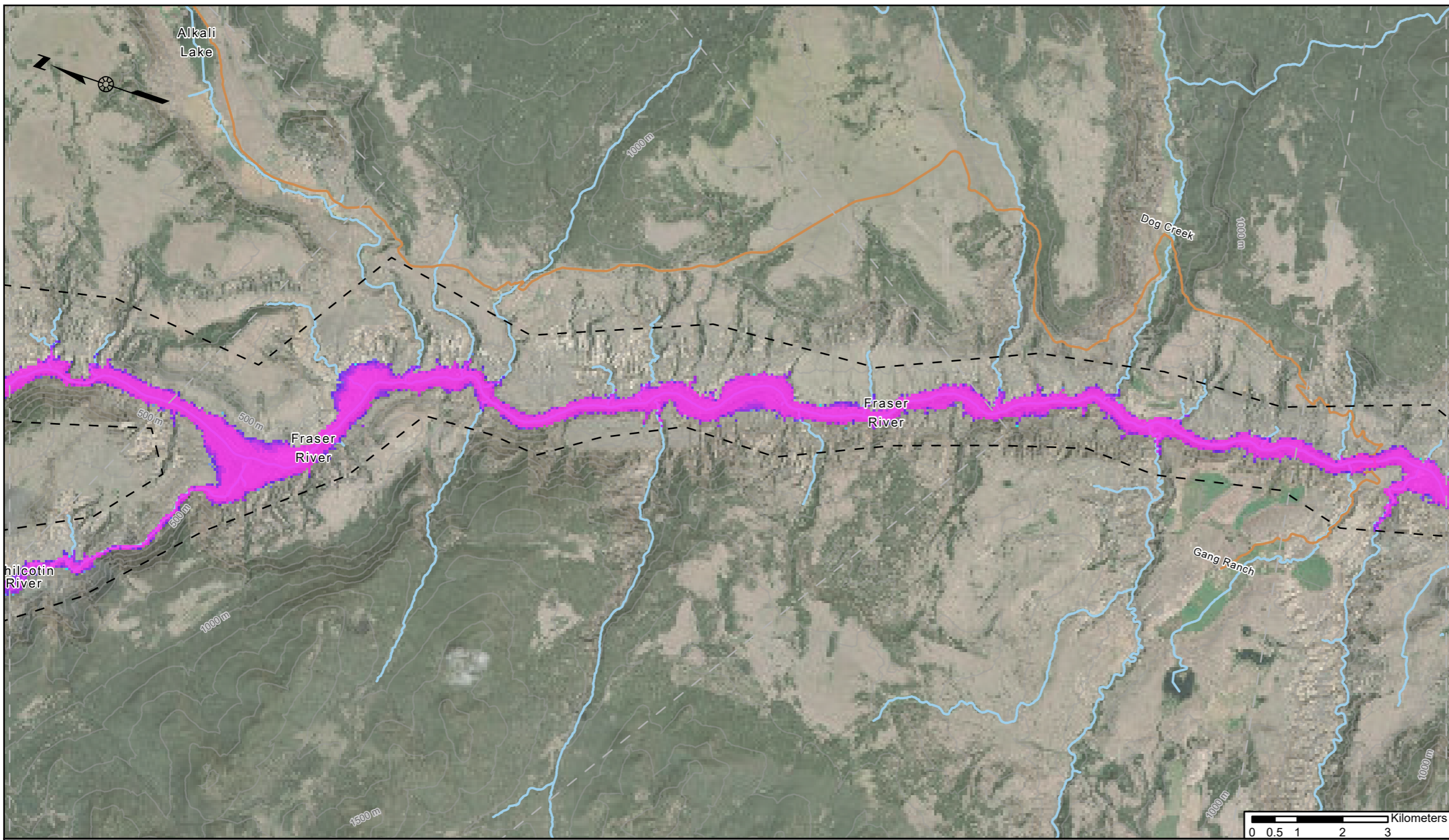
RioTinto **Klohn Crippen Berger**

NECHAKO 2024 DAM BREACH ASSESSMENT

**KENNEY DAM FAIR WEATHER FAILURE
MAXIMUM FLOW DEPTH**

DATE 6/20/2025

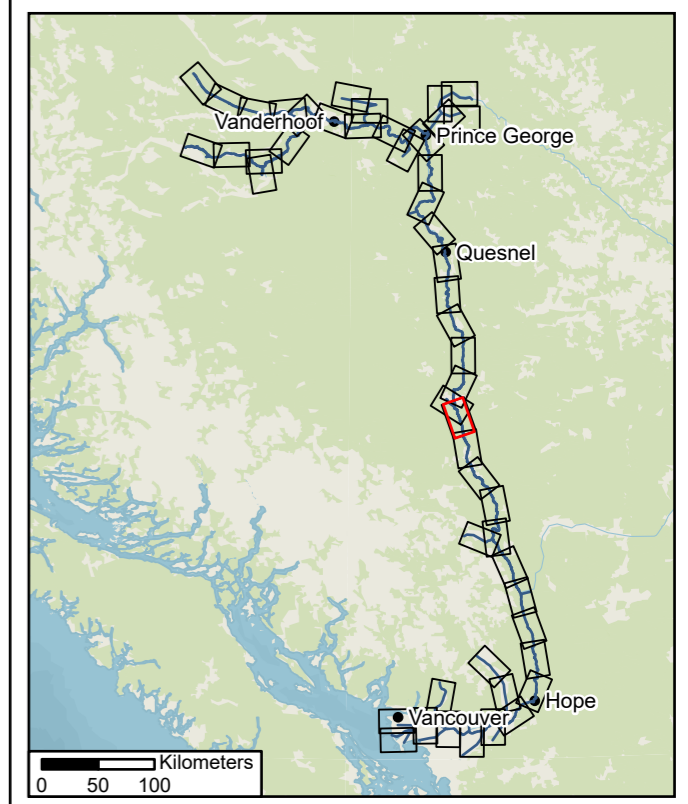
SCALE 1:100,000	PROJECT NO. P10436A04	MAP NO. 02-30
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NOTES:

1. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
2. HORIZONTAL PROJECTION AND DATUM: NAD83 UTM ZONE 10N. VERTICAL DATUM: CGVD2013.
3. PLACENAME AND ROAD DATA FROM OPEN STREET MAPS, DOWNLOADED AUGUST 27, 2024.
4. WATERCOURSE DATA FROM NATIONAL RESOURCES CANADA NATIONAL HYDROGRAPHIC NETWORK, DOWNLOADED AUGUST 27, 2024.
5. PROPERTY DATA FROM BC INTEGRATED CADASTRAL FABRIC, DOWNLOADED AUGUST 27, 2024.
6. BASEMAP DATA SOURCE: ARCGIS ONLINE
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LEGEND

	CITY BOUNDARY		WATERCOURSE	MAXIMUM FLOW DEPTH (m)
	MAP SHEET EXTENT		INDEX CONTOURS (100 m)	
	MODEL EXTENT		CROSS-SECTION	
	BUILDING		BASE INFLOW	
	RAILWAY			
	PRIMARY ROAD			
				< 0.3
				0.3 - 0.5
				0.5 - 1
				1 - 2
				2 - 5
				5 - 10
				10 - 15
				15 - 20
				> 20

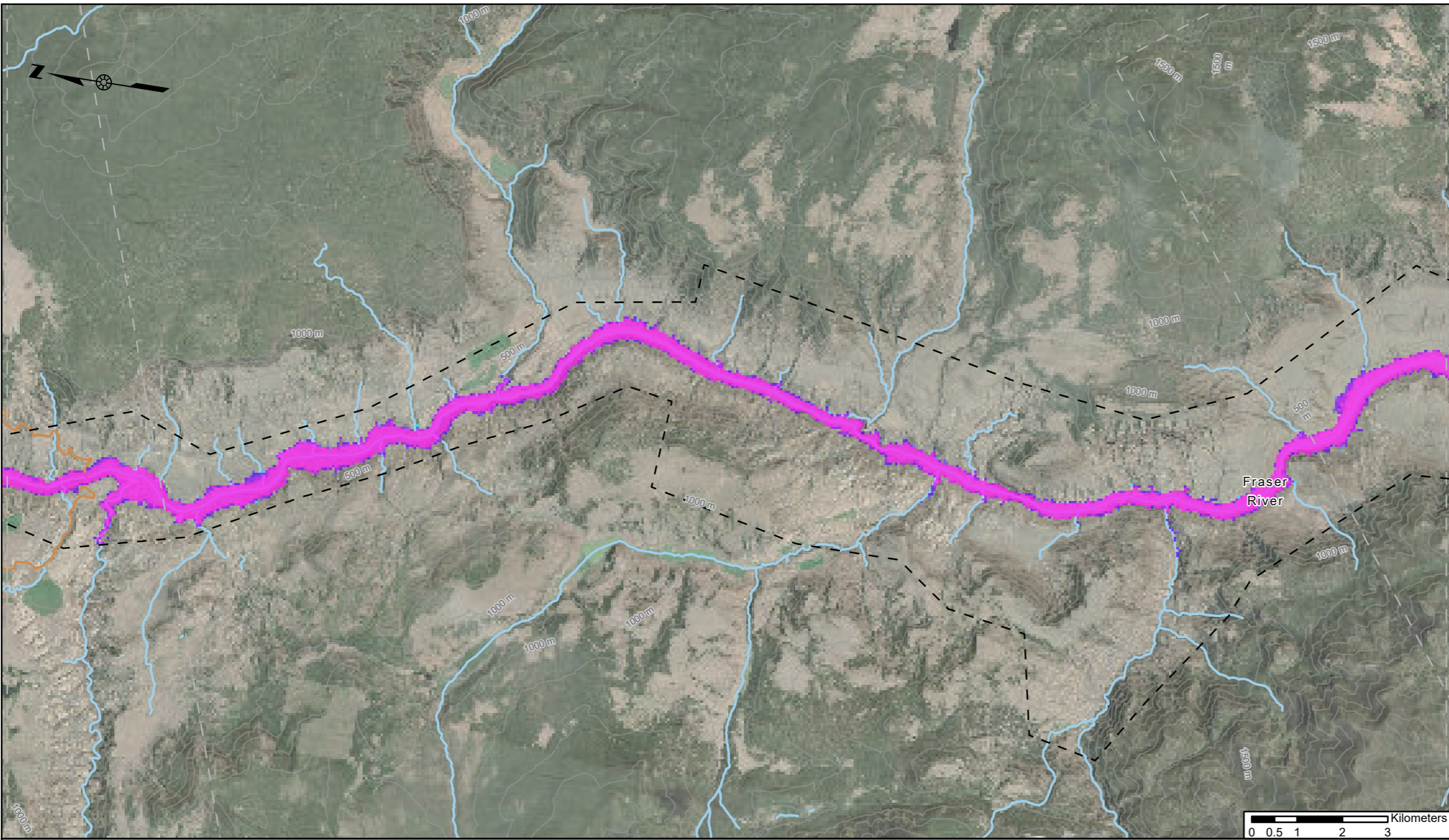
RioTinto **Klohn Crippen Berger**

NECHAKO 2024 DAM BREACH ASSESSMENT

**KENNEY DAM FAIR WEATHER FAILURE
MAXIMUM FLOW DEPTH**

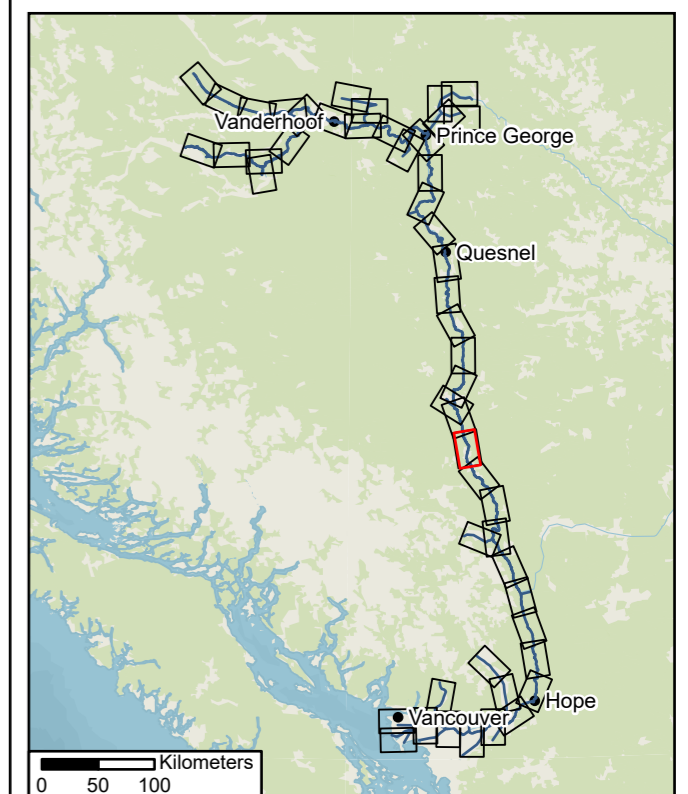
DATE 6/20/2025

SCALE 1:100,000	PROJECT NO. P10436A04	MAP NO. 02-31
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- NOTES:
1. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
 2. HORIZONTAL PROJECTION AND DATUM: NAD83 UTM ZONE 10N. VERTICAL DATUM: CGVD2013.
 3. PLACENAME AND ROAD DATA FROM OPEN STREET MAPS, DOWNLOADED AUGUST 27, 2024.
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LEGEND

	CITY BOUNDARY		WATERCOURSE	MAXIMUM FLOW DEPTH (m)
	MAP SHEET EXTENT		INDEX CONTOURS (100 m)	
	MODEL EXTENT		CROSS-SECTION	
	BUILDING		BASE INFLOW	
	RAILWAY		< 0.3	
	PRIMARY ROAD		0.3 - 0.5	
			0.5 - 1	
			1 - 2	
			2 - 5	
			5 - 10	
			10 - 15	
			15 - 20	
			> 20	

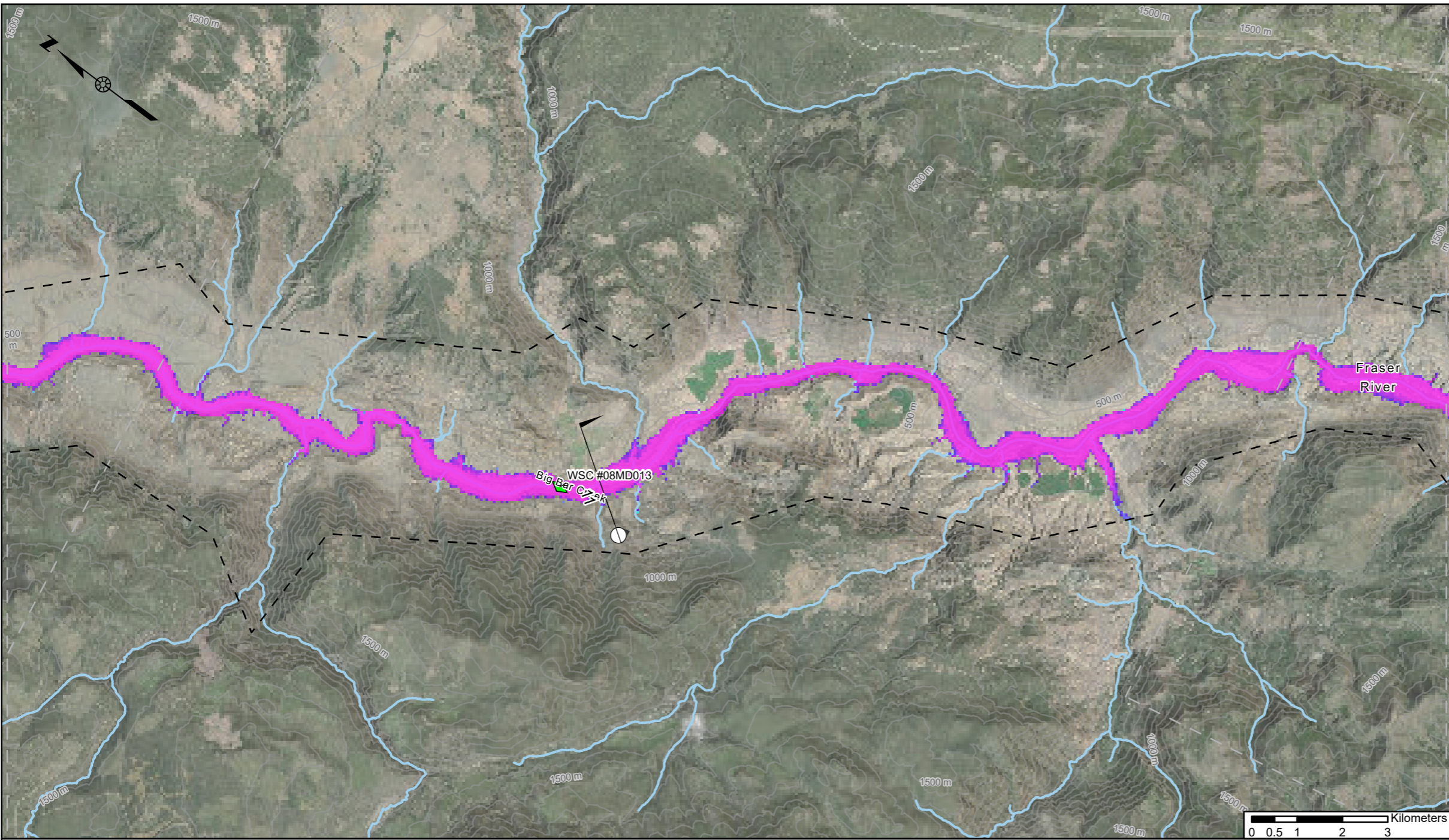
RioTinto **Klohn Crippen Berger**

NECHAKO 2024 DAM BREACH ASSESSMENT

KENNEY DAM FAIR WEATHER FAILURE
MAXIMUM FLOW DEPTH

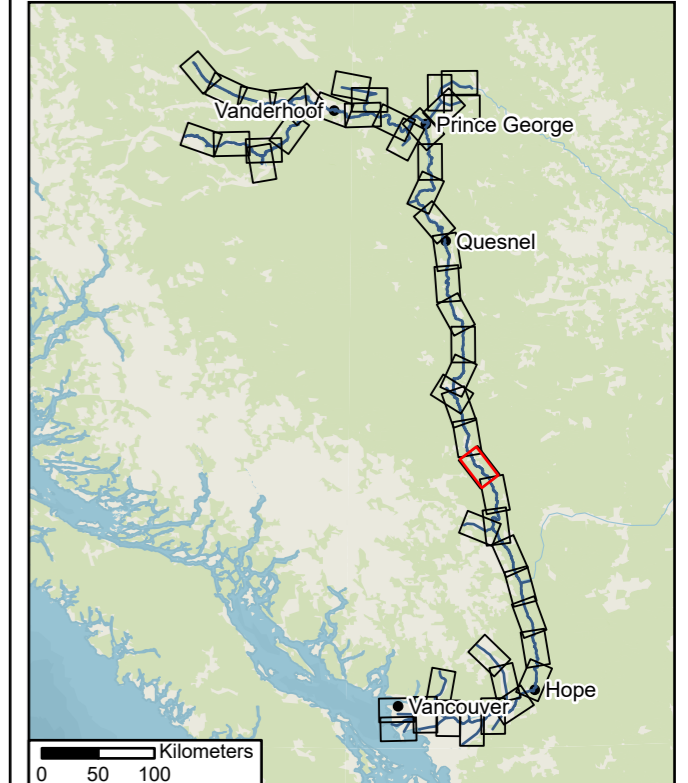
DATE 6/20/2025

SCALE 1:100,000	PROJECT NO. P10436A04	MAP NO. 02-32
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- NOTES:
1. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
 2. HORIZONTAL PROJECTION AND DATUM: NAD83 UTM ZONE 10N. VERTICAL DATUM: CGVD2013.
 3. PLACENAME AND ROAD DATA FROM OPEN STREET MAPS, DOWNLOADED AUGUST 27, 2024.
 4. WATERCOURSE DATA FROM NATIONAL RESOURCES CANADA NATIONAL HYDROGRAPHIC NETWORK, DOWNLOADED AUGUST 27, 2024.
 5. PROPERTY DATA FROM BC INTEGRATED CADASTRAL FABRIC, DOWNLOADED AUGUST 27, 2024.
 6. BASEMAP DATA SOURCE: ARCGIS ONLINE
 7. MAP TO BE READ IN CONJUNCTION WITH KCB REPORT "NECHAKO 2024 DAM BREACH ASSESSMENT".

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ID	Max Water Level (m)	Peak Flow (m3/s)	Front Arrival Time (dd hh:mm)	Peak Arrival Time (dd hh:mm)	Flood Duration (dd)
11	345.7	49340	3d 15:10	5d 17:40	>15

LEGEND

- | | | | | |
|--|------------------|--|------------------------|-------------------------------|
| | CITY BOUNDARY | | WATERCOURSE | MAXIMUM FLOW DEPTH (m) |
| | MAP SHEET EXTENT | | INDEX CONTOURS (100 m) | |
| | MODEL EXTENT | | CROSS-SECTION | |
| | BUILDING | | BASE INFLOW | |
| | RAILWAY | | | |
| | PRIMARY ROAD | | | |
| | | | | |

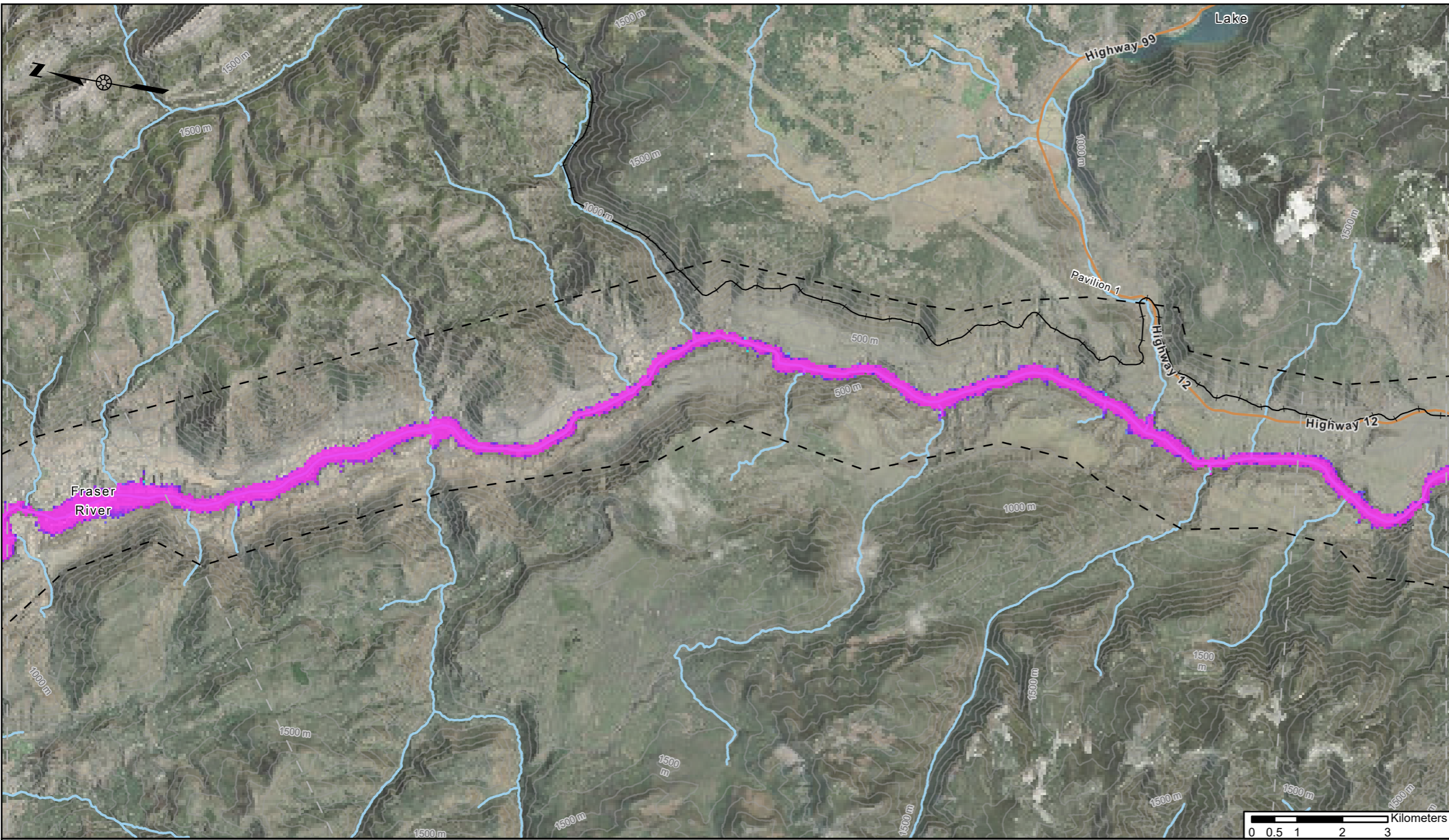
RioTinto **Klohn Crippen Berger**

NECHAKO 2024 DAM BREACH ASSESSMENT

KENNEY DAM FAIR WEATHER FAILURE
MAXIMUM FLOW DEPTH

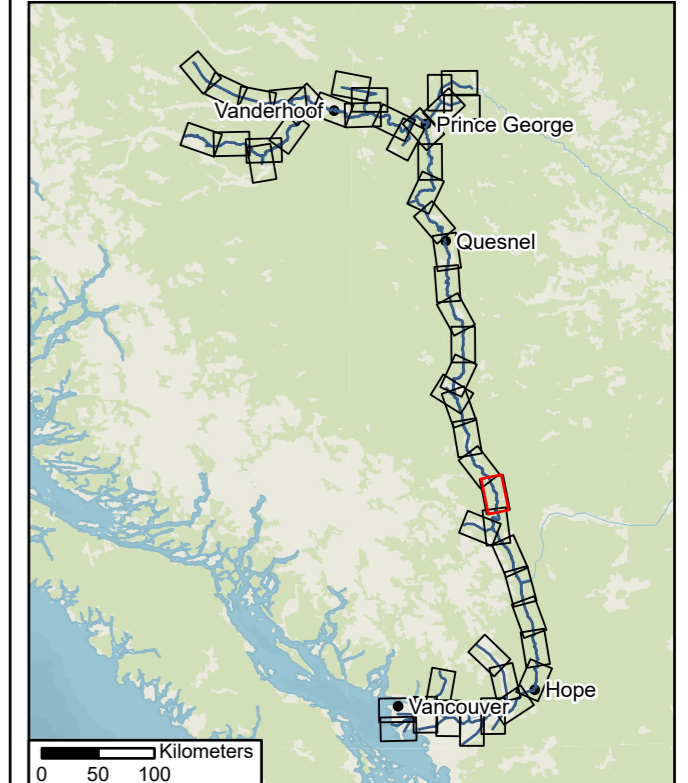
DATE 6/20/2025

SCALE 1:100,000	PROJECT NO. P10436A04	MAP NO. 02-33
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- NOTES:
1. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
 2. HORIZONTAL PROJECTION AND DATUM: NAD83 UTM ZONE 10N. VERTICAL DATUM: CGVD2013.
 3. PLACENAME AND ROAD DATA FROM OPEN STREET MAPS, DOWNLOADED AUGUST 27, 2024.
 4. WATERCOURSE DATA FROM NATIONAL RESOURCES CANADA NATIONAL HYDROGRAPHIC NETWORK, DOWNLOADED AUGUST 27, 2024.
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LEGEND

	CITY BOUNDARY		WATERCOURSE	MAXIMUM FLOW DEPTH (m)
	MAP SHEET EXTENT		INDEX CONTOURS (100 m)	
	MODEL EXTENT		CROSS-SECTION	
	BUILDING		BASE INFLOW	
	RAILWAY			
	PRIMARY ROAD			
				< 0.3
				0.3 - 0.5
				0.5 - 1
				1 - 2
				2 - 5
				5 - 10
				10 - 15
				15 - 20
				> 20

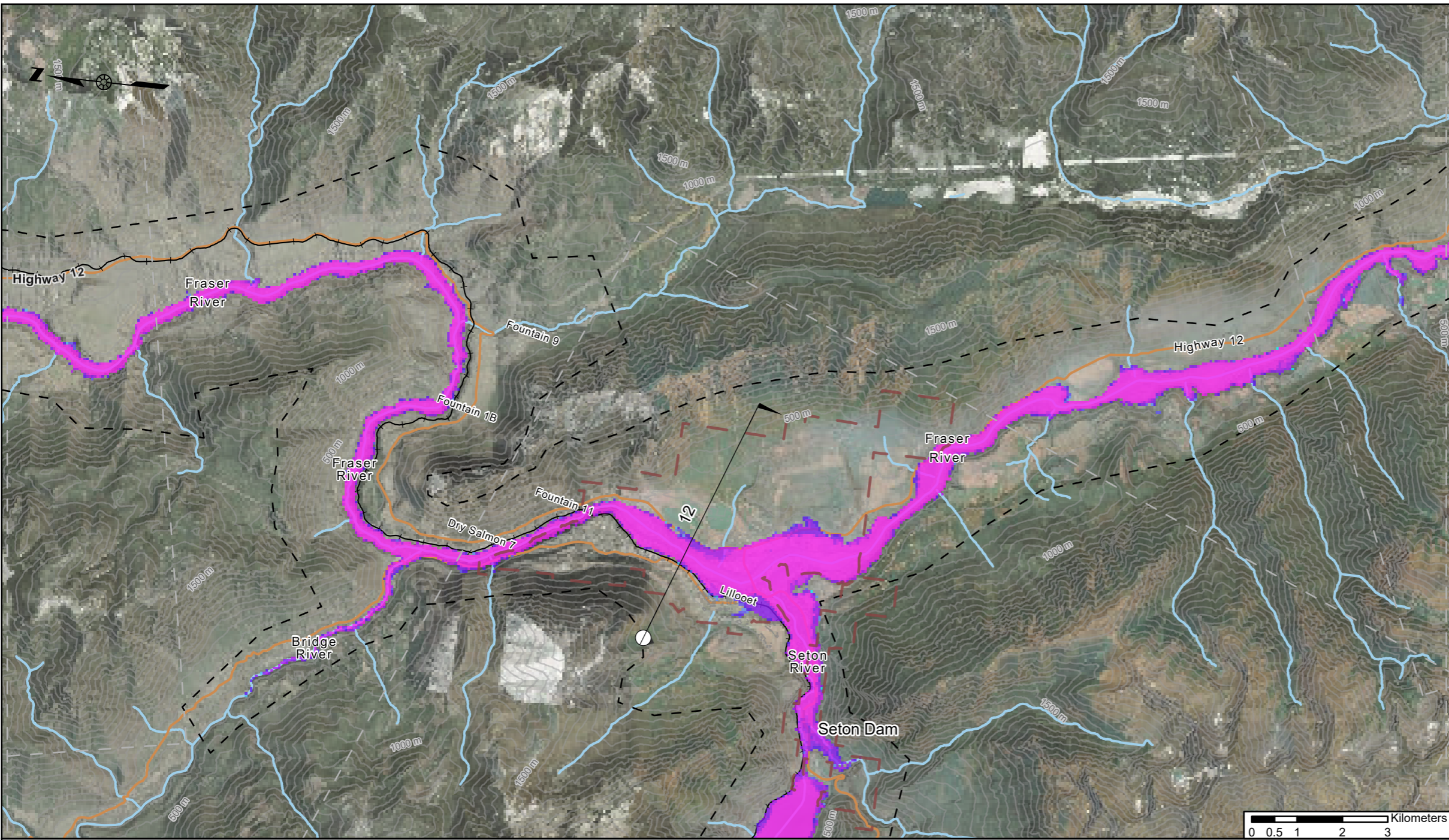
RioTinto **Klohn Crippen Berger**

NECHAKO 2024 DAM BREACH ASSESSMENT

**KENNEY DAM FAIR WEATHER FAILURE
MAXIMUM FLOW DEPTH**

DATE 6/20/2025

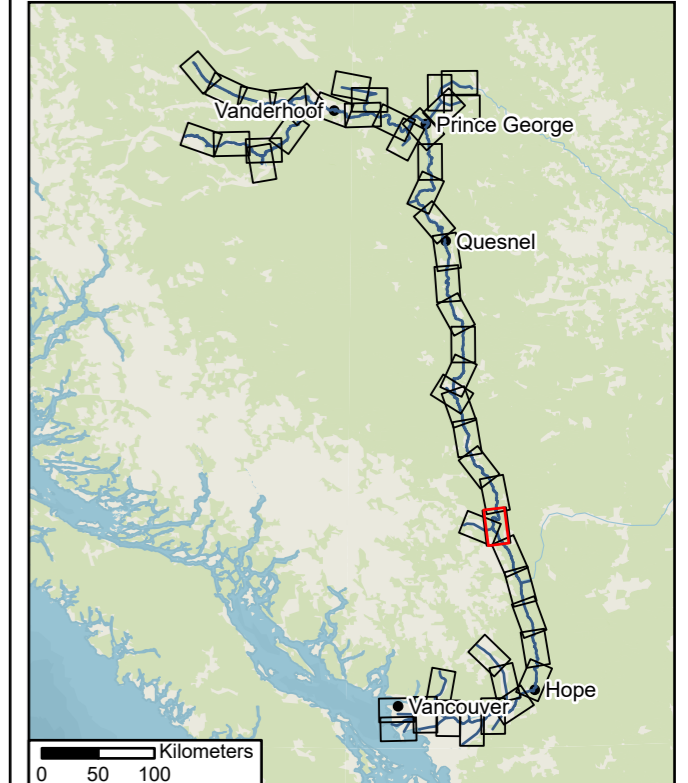
SCALE 1:100,000	PROJECT NO. P10436A04	MAP NO. 02-34
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NOTES:

1. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
2. HORIZONTAL PROJECTION AND DATUM: NAD83 UTM ZONE 10N. VERTICAL DATUM: CGVD2013.
3. PLACENAME AND ROAD DATA FROM OPEN STREET MAPS, DOWNLOADED AUGUST 27, 2024.
4. WATERCOURSE DATA FROM NATIONAL RESOURCES CANADA NATIONAL HYDROGRAPHIC NETWORK, DOWNLOADED AUGUST 27, 2024.
5. PROPERTY DATA FROM BC INTEGRATED CADASTRAL FABRIC, DOWNLOADED AUGUST 27, 2024.
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ID	Max Water Level (m)	Peak Flow (m3/s)	Front Arrival Time (dd hh:mm)	Peak Arrival Time (dd hh:mm)	Flood Duration (dd)
12	248.0	49190	3d 21:40	5d 22:40	>15

LEGEND

CITY BOUNDARY	WATERCOURSE	MAXIMUM FLOW DEPTH (m)
MAP SHEET EXTENT	INDEX CONTOURS (100 m)	
MODEL EXTENT	CROSS-SECTION	
BUILDING	BASE INFLOW	
RAILWAY		
PRIMARY ROAD		

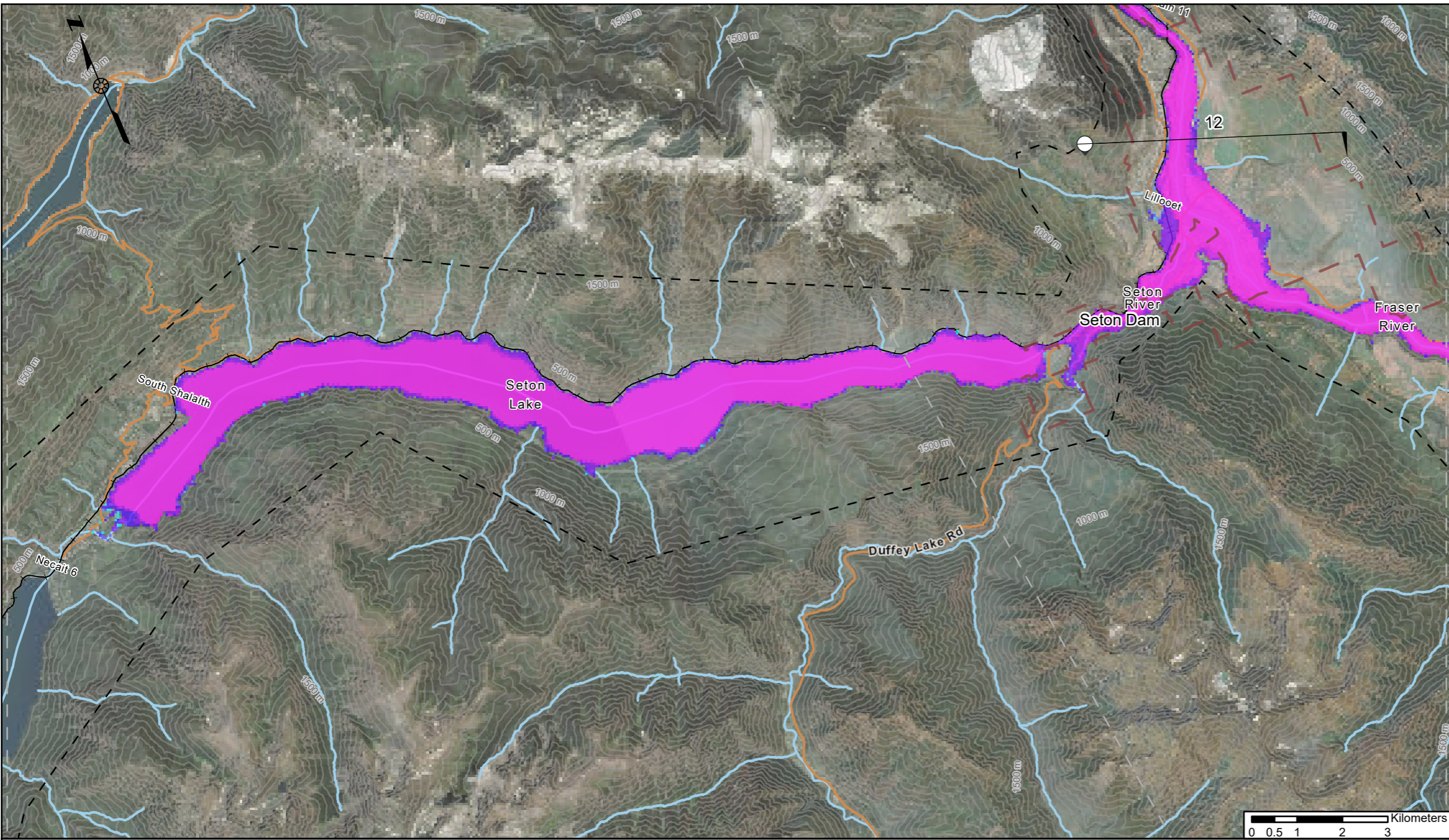
RioTinto **Klohn Crippen Berger**

NECHAKO 2024 DAM BREACH ASSESSMENT

**KENNEY DAM FAIR WEATHER FAILURE
MAXIMUM FLOW DEPTH**

DATE 6/20/2025

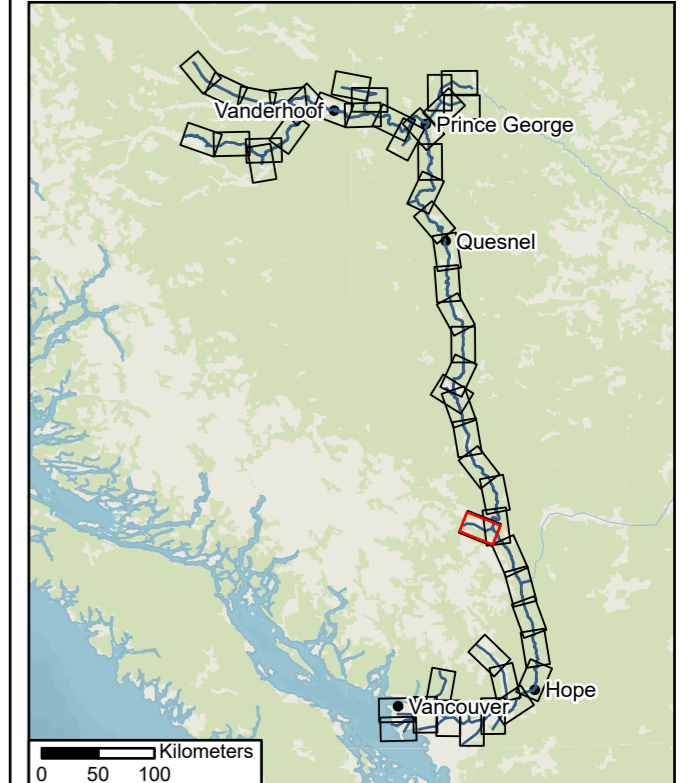
SCALE 1:100,000	PROJECT NO. P10436A04	MAP NO. 02-35
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NOTES:

1. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
2. HORIZONTAL PROJECTION AND DATUM: NAD83 UTM ZONE 10N. VERTICAL DATUM: CGVD2013.
3. PLACENAME AND ROAD DATA FROM OPEN STREET MAPS, DOWNLOADED AUGUST 27, 2024.
4. WATERCOURSE DATA FROM NATIONAL RESOURCES CANADA NATIONAL HYDROGRAPHIC NETWORK, DOWNLOADED AUGUST 27, 2024.
5. PROPERTY DATA FROM BC INTEGRATED CADASTRAL FABRIC, DOWNLOADED AUGUST 27, 2024.
6. BASEMAP DATA SOURCE: ARCGIS ONLINE
7. MAP TO BE READ IN CONJUNCTION WITH KCB REPORT "NECHAKO 2024 DAM BREACH ASSESSMENT".

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ID	Max Water Level (m)	Peak Flow (m3/s)	Front Arrival Time (dd hh:mm)	Peak Arrival Time (dd hh:mm)	Flood Duration (dd)
12	248.0	49190	3d 21:40	5d 22:40	>15

LEGEND

	CITY BOUNDARY		WATERCOURSE	MAXIMUM FLOW DEPTH (m)
	MAP SHEET EXTENT		INDEX CONTOURS (100 m)	
	MODEL EXTENT		CROSS-SECTION	
	BUILDING		BASE INFLOW	
	RAILWAY			
	PRIMARY ROAD			

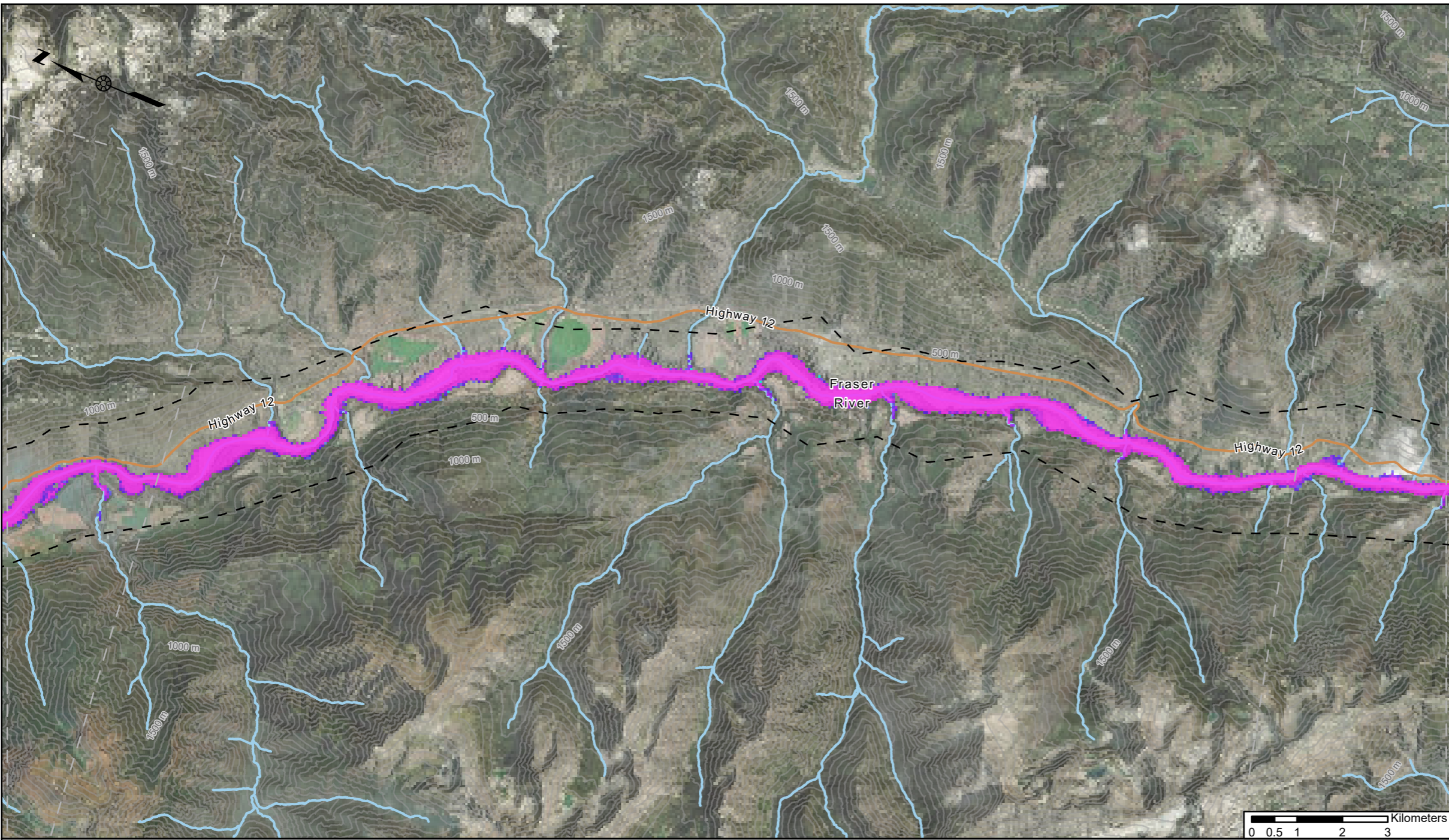
RioTinto **Klohn Crippen Berger**

NECHAKO 2024 DAM BREACH ASSESSMENT

**KENNEY DAM FAIR WEATHER FAILURE
MAXIMUM FLOW DEPTH**

DATE 6/20/2025

SCALE 1:100,000	PROJECT NO. P10436A04	MAP NO. 02-36
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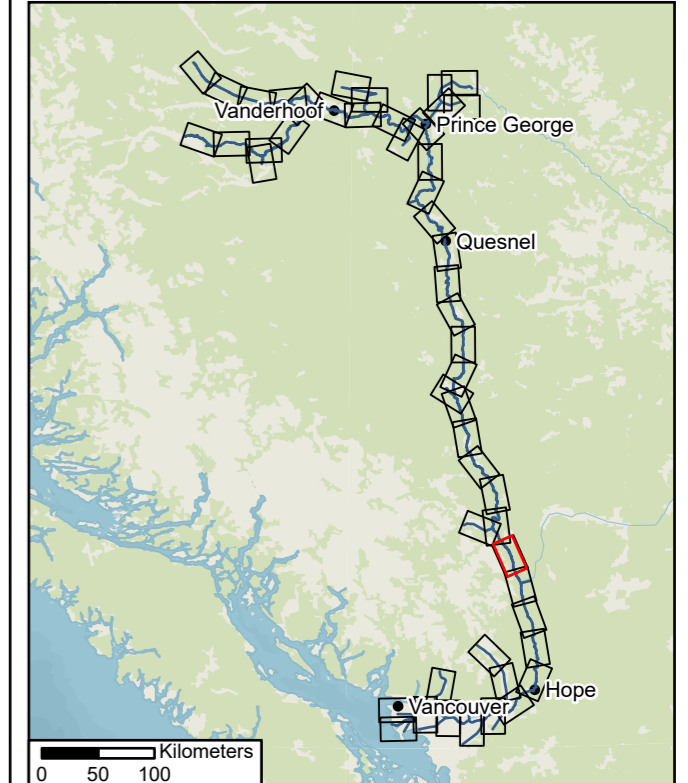
LEGEND

	CITY BOUNDARY		WATERCOURSE	MAXIMUM FLOW DEPTH (m)
	MAP SHEET EXTENT		INDEX CONTOURS (100 m)	
	MODEL EXTENT		CROSS-SECTION	
	BUILDING		BASE INFLOW	
	RAILWAY			
	PRIMARY ROAD			

NOTES:

1. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
2. HORIZONTAL PROJECTION AND DATUM: NAD83 UTM ZONE 10N. VERTICAL DATUM: CGVD2013.
3. PLACENAME AND ROAD DATA FROM OPEN STREET MAPS, DOWNLOADED AUGUST 27, 2024.
4. WATERCOURSE DATA FROM NATIONAL RESOURCES CANADA NATIONAL HYDROGRAPHIC NETWORK, DOWNLOADED AUGUST 27, 2024.
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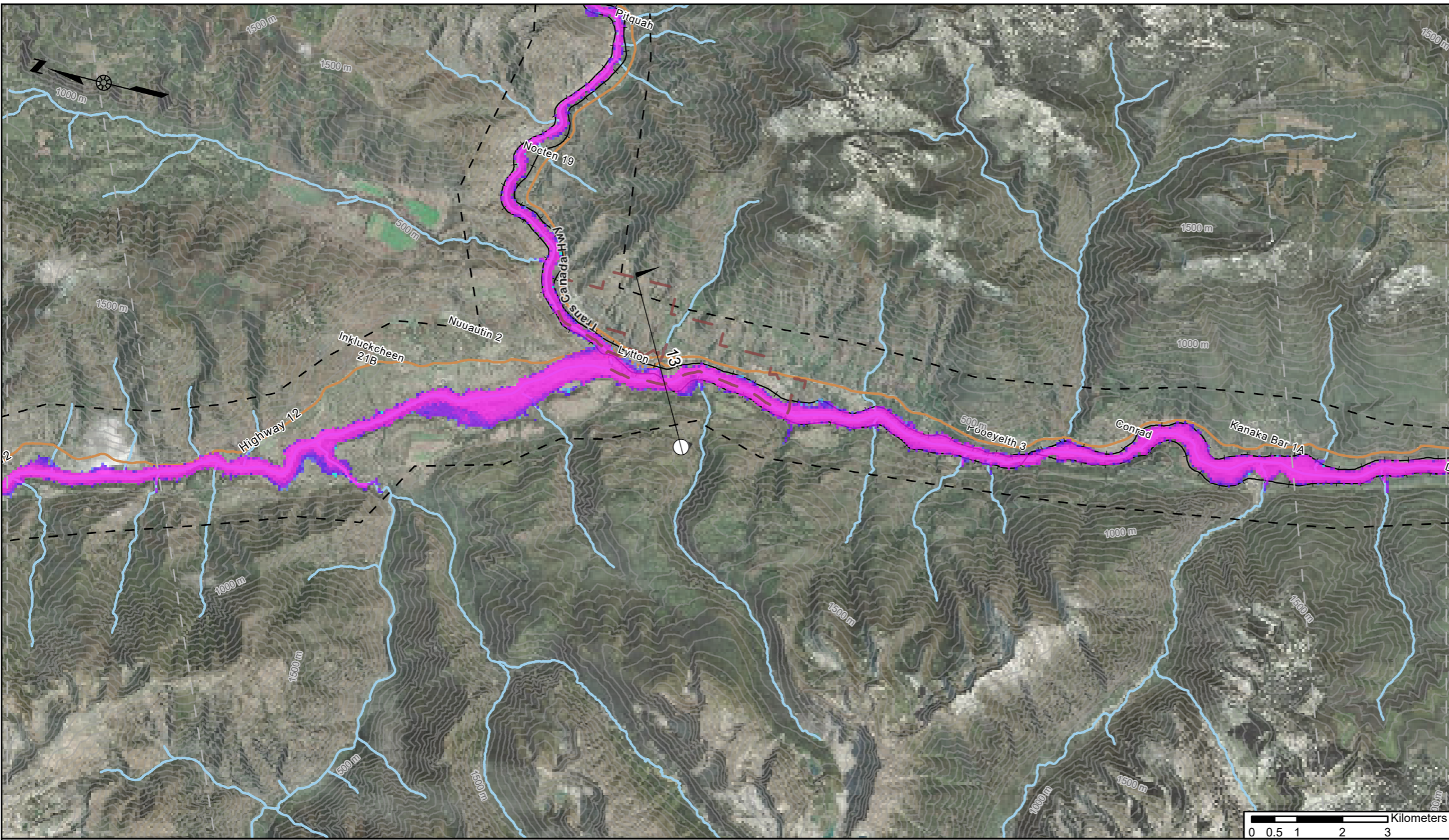


NECHAKO 2024 DAM BREACH ASSESSMENT

KENNEY DAM FAIR WEATHER FAILURE

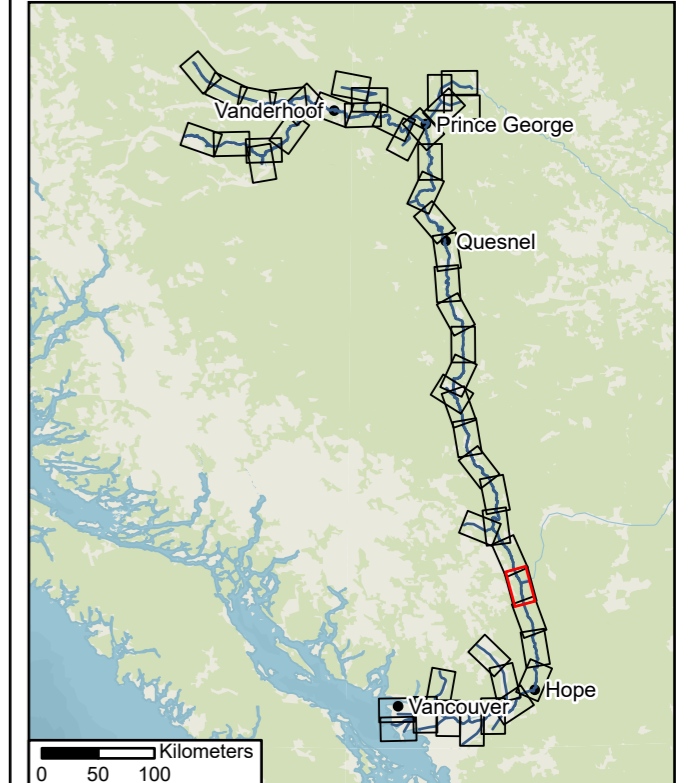
MAXIMUM FLOW DEPTH

DATE	6/20/2025	
SCALE	1:100,000	PROJECT NO. P10436A04
		MAP NO. 02-37



- NOTES:
1. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
 2. HORIZONTAL PROJECTION AND DATUM: NAD83 UTM ZONE 10N. VERTICAL DATUM: CGVD2013.
 3. PLACENAME AND ROAD DATA FROM OPEN STREET MAPS, DOWNLOADED AUGUST 27, 2024.
 4. WATERCOURSE DATA FROM NATIONAL RESOURCES CANADA NATIONAL HYDROGRAPHIC NETWORK, DOWNLOADED AUGUST 27, 2024.
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ID	Max Water Level (m)	Peak Flow (m3/s)	Front Arrival Time (dd hh:mm)	Peak Arrival Time (dd hh:mm)	Flood Duration (dd)
13	195.3	48340	4d 4:00	6d 14:20	>15

LEGEND

- | | | | | | |
|--|------------------|--|------------------------|-------------------------------|-----------|
| | CITY BOUNDARY | | WATERCOURSE | MAXIMUM FLOW DEPTH (m) | |
| | MAP SHEET EXTENT | | INDEX CONTOURS (100 m) | | |
| | MODEL EXTENT | | CROSS-SECTION | | |
| | BUILDING | | BASE INFLOW | | |
| | RAILWAY | | | | |
| | PRIMARY ROAD | | | | |
| | | | | | |
| | | | | | 0.3 - 0.5 |
| | | | | | 0.5 - 1 |
| | | | | | 1 - 2 |
| | | | | | 2 - 5 |
| | | | | | 5 - 10 |
| | | | | | 10 - 15 |
| | | | | | 15 - 20 |
| | | | | | > 20 |

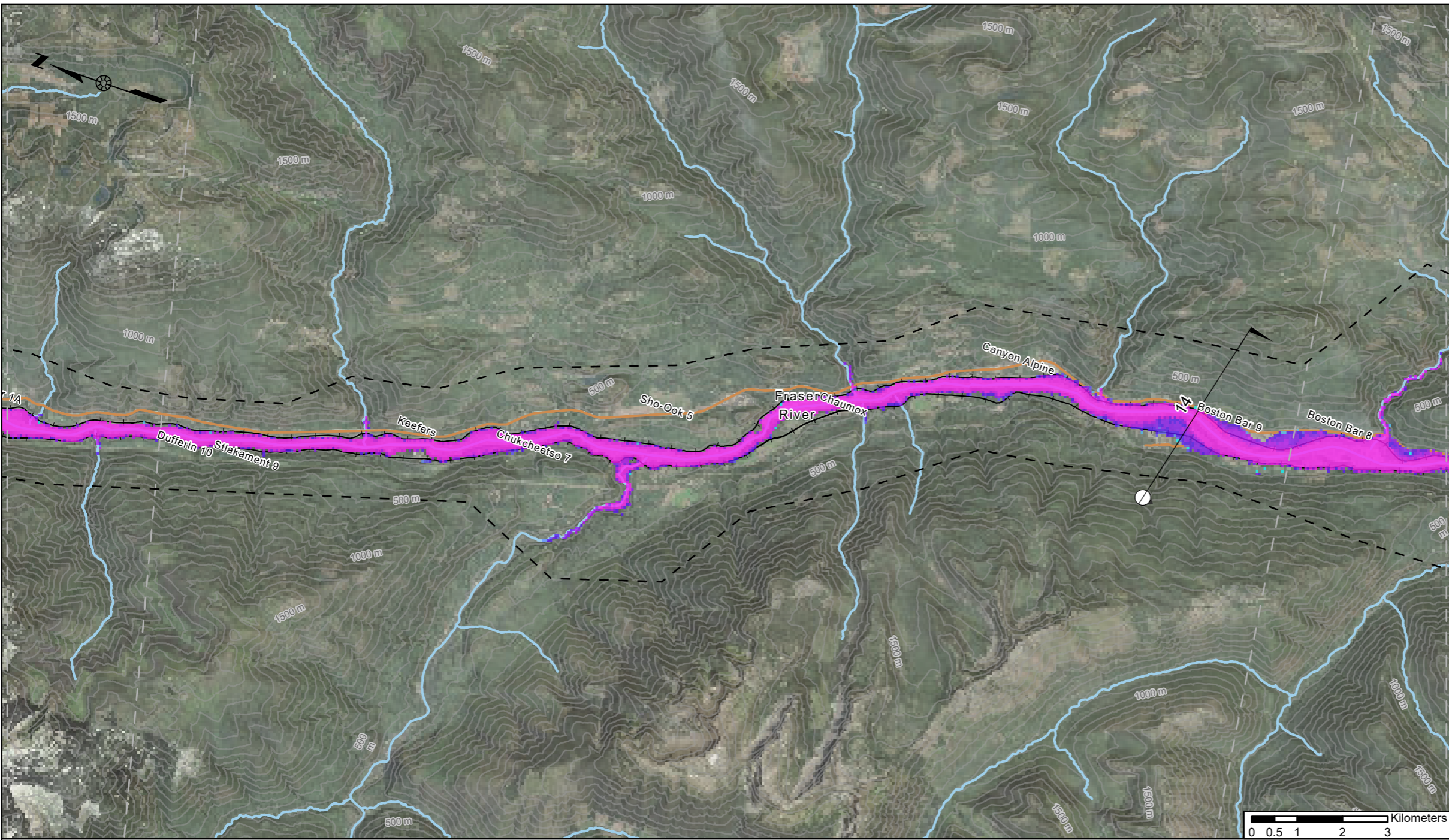
RioTinto **Klohn Crippen Berger**

NECHAKO 2024 DAM BREACH ASSESSMENT

KENNEY DAM FAIR WEATHER FAILURE
MAXIMUM FLOW DEPTH

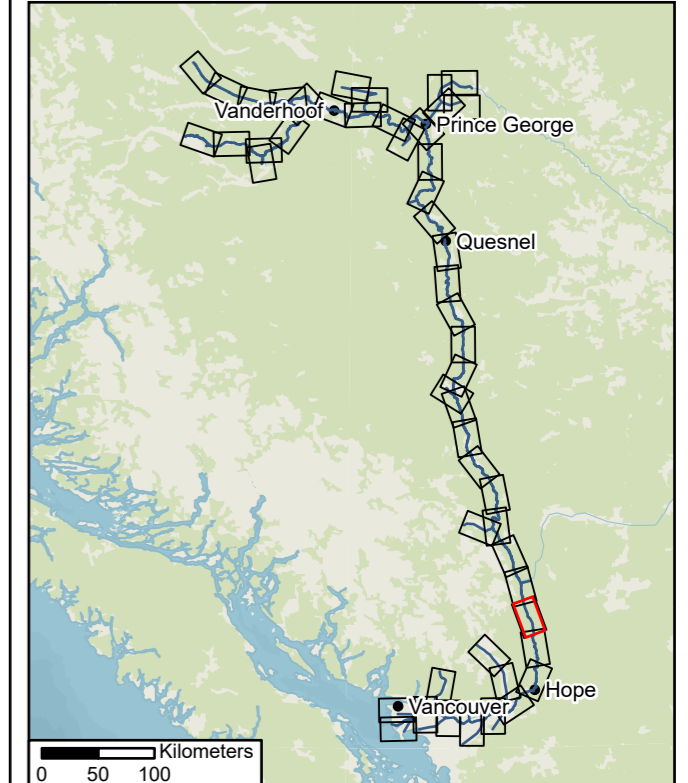
DATE 6/20/2025

SCALE 1:100,000	PROJECT NO. P10436A04	MAP NO. 02-38
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- NOTES:
1. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
 2. HORIZONTAL PROJECTION AND DATUM: NAD83 UTM ZONE 10N. VERTICAL DATUM: CGVD2013.
 3. PLACENAME AND ROAD DATA FROM OPEN STREET MAPS, DOWNLOADED AUGUST 27, 2024.
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ID	Max Water Level (m)	Peak Flow (m3/s)	Front Arrival Time (dd hh:mm)	Peak Arrival Time (dd hh:mm)	Flood Duration (dd)
14	157.0	48270	4d 7:50	6d 17:30	>15

LEGEND

- | | | | | |
|--|------------------|--|------------------------|-------------------------------|
| | CITY BOUNDARY | | WATERCOURSE | MAXIMUM FLOW DEPTH (m) |
| | MAP SHEET EXTENT | | INDEX CONTOURS (100 m) | |
| | MODEL EXTENT | | CROSS-SECTION | |
| | BUILDING | | BASE INFLOW | |
| | RAILWAY | | | |
| | PRIMARY ROAD | | | |
| | | | | |
| | | | | 0.3 - 0.5 |
| | | | | 0.5 - 1 |
| | | | | 1 - 2 |
| | | | | 2 - 5 |
| | | | | 5 - 10 |
| | | | | 10 - 15 |
| | | | | 15 - 20 |
| | | | | > 20 |

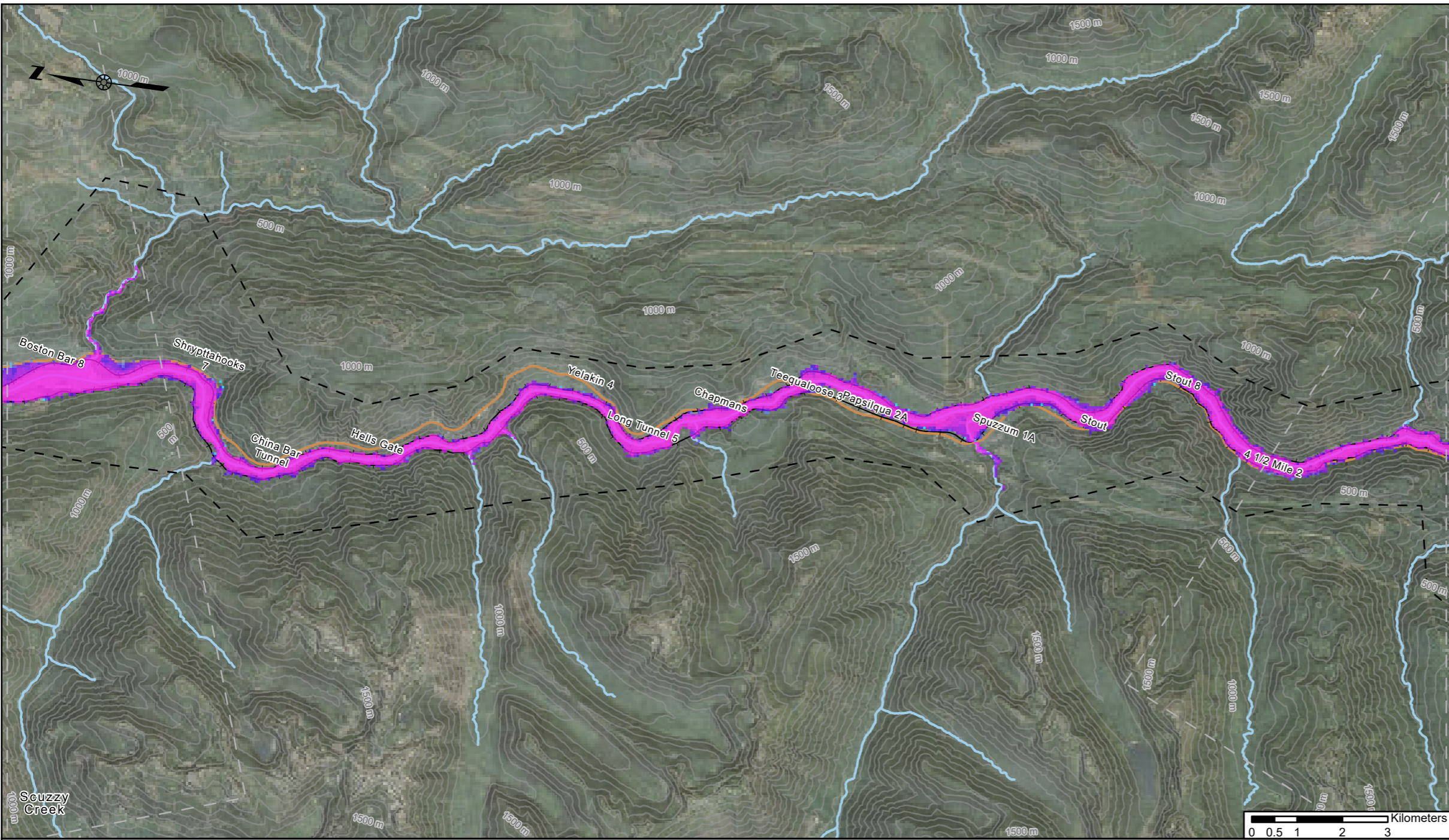
RioTinto **Klohn Crippen Berger**

NECHAKO 2024 DAM BREACH ASSESSMENT

KENNEY DAM FAIR WEATHER FAILURE
MAXIMUM FLOW DEPTH

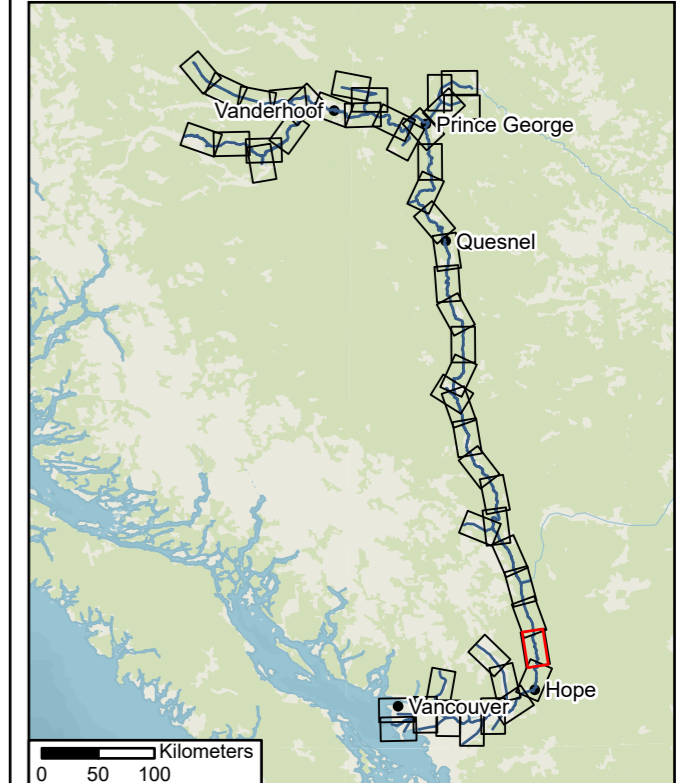
DATE 6/20/2025

SCALE 1:100,000	PROJECT NO. P10436A04	MAP NO. 02-39
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- NOTES:
1. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
 2. HORIZONTAL PROJECTION AND DATUM: NAD83 UTM ZONE 10N. VERTICAL DATUM: CGVD2013.
 3. PLACENAME AND ROAD DATA FROM OPEN STREET MAPS, DOWNLOADED AUGUST 27, 2024.
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LEGEND

	CITY BOUNDARY		WATERCOURSE	MAXIMUM FLOW DEPTH (m) < 0.3 0.3 - 0.5 0.5 - 1 1 - 2 2 - 5 5 - 10 10 - 15 15 - 20 > 20
	MAP SHEET EXTENT		INDEX CONTOURS (100 m)	
	MODEL EXTENT		CROSS-SECTION	
	BUILDING		BASE INFLOW	
	RAILWAY			
	PRIMARY ROAD			

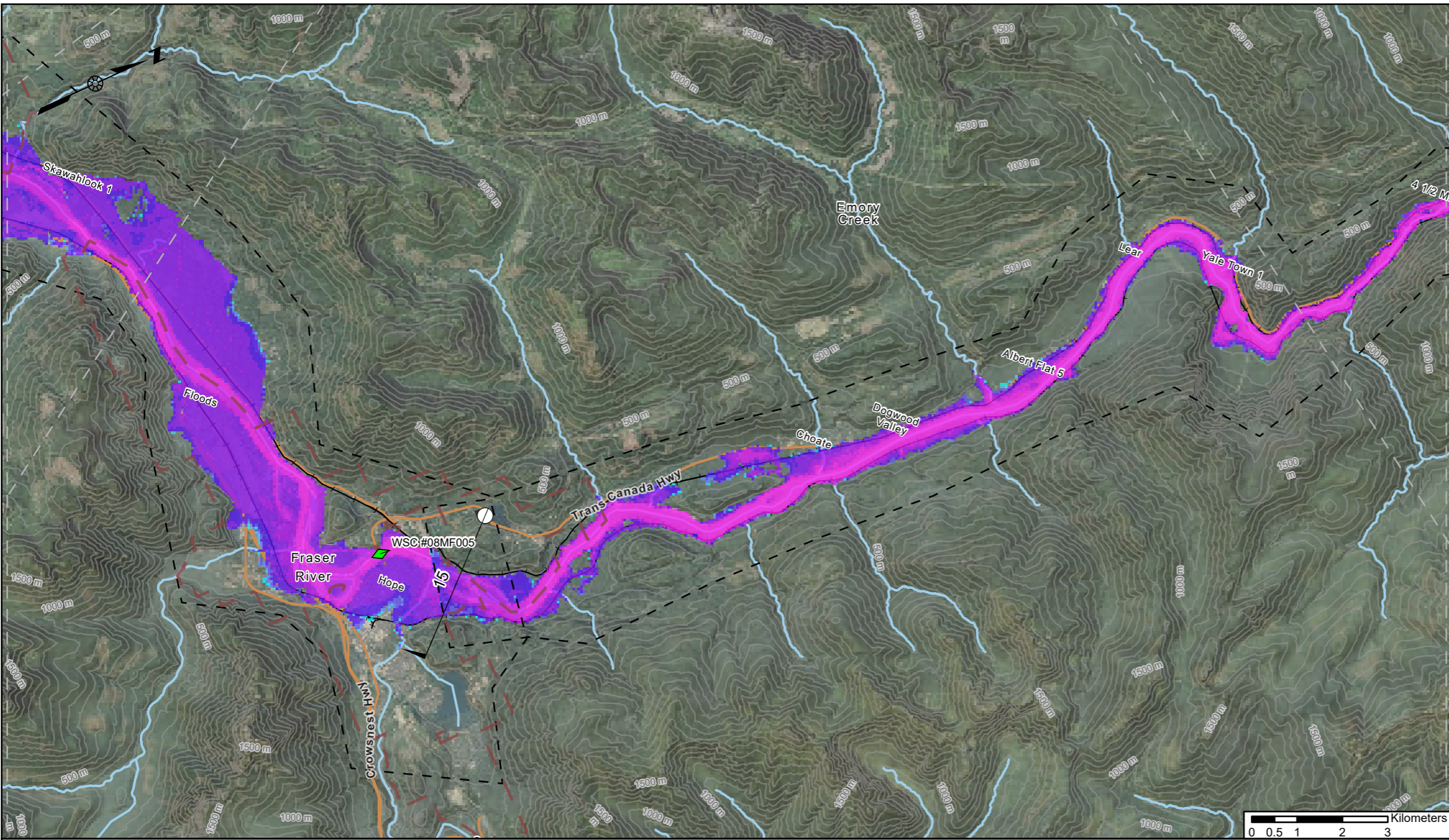
RioTinto **Klohn Crippen Berger**

NECHAKO 2024 DAM BREACH ASSESSMENT

**KENNEY DAM FAIR WEATHER FAILURE
MAXIMUM FLOW DEPTH**

DATE 6/20/2025

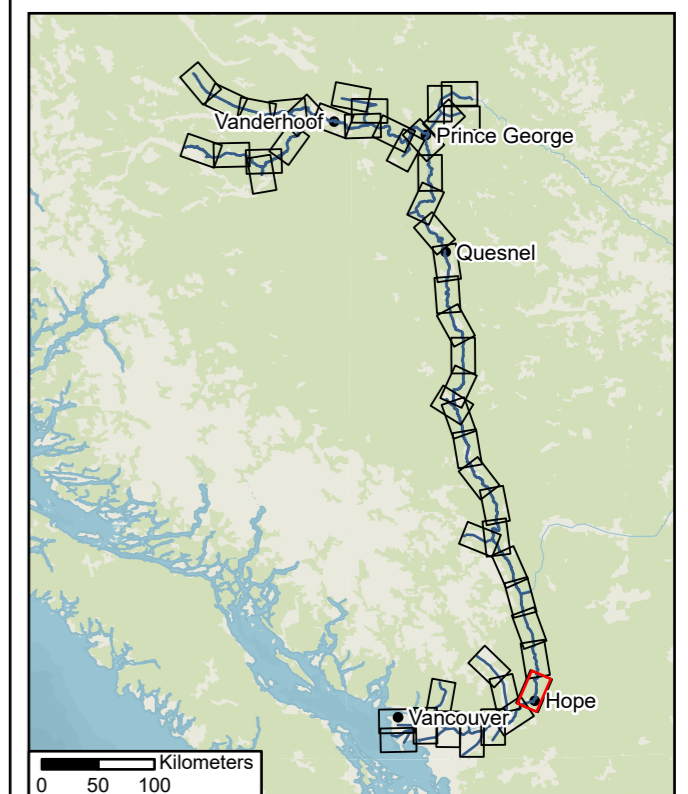
SCALE 1:100,000	PROJECT NO. P10436A04	MAP NO. 02-40
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NOTES:

1. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
2. HORIZONTAL PROJECTION AND DATUM: NAD83 UTM ZONE 10N. VERTICAL DATUM: CGVD2013.
3. PLACENAME AND ROAD DATA FROM OPEN STREET MAPS, DOWNLOADED AUGUST 27, 2024.
4. WATERCOURSE DATA FROM NATIONAL RESOURCES CANADA NATIONAL HYDROGRAPHIC NETWORK, DOWNLOADED AUGUST 27, 2024.
5. PROPERTY DATA FROM BC INTEGRATED CADASTRAL FABRIC, DOWNLOADED AUGUST 27, 2024.
6. BASEMAP DATA SOURCE: ARCGIS ONLINE
7. MAP TO BE READ IN CONJUNCTION WITH KCB REPORT "NECHAKO 2024 DAM BREACH ASSESSMENT".

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ID	Max Water Level (m)	Peak Flow (m3/s)	Front Arrival Time (dd hh:mm)	Peak Arrival Time (dd hh:mm)	Flood Duration (dd)
15	49.8	48230	4d 13:50	6d 21:30	>15

LEGEND

	CITY BOUNDARY		WATERCOURSE	MAXIMUM FLOW DEPTH (m)
	MAP SHEET EXTENT		INDEX CONTOURS (100 m)	
	MODEL EXTENT		CROSS-SECTION	
	BUILDING		BASE INFLOW	
	RAILWAY			
	PRIMARY ROAD			

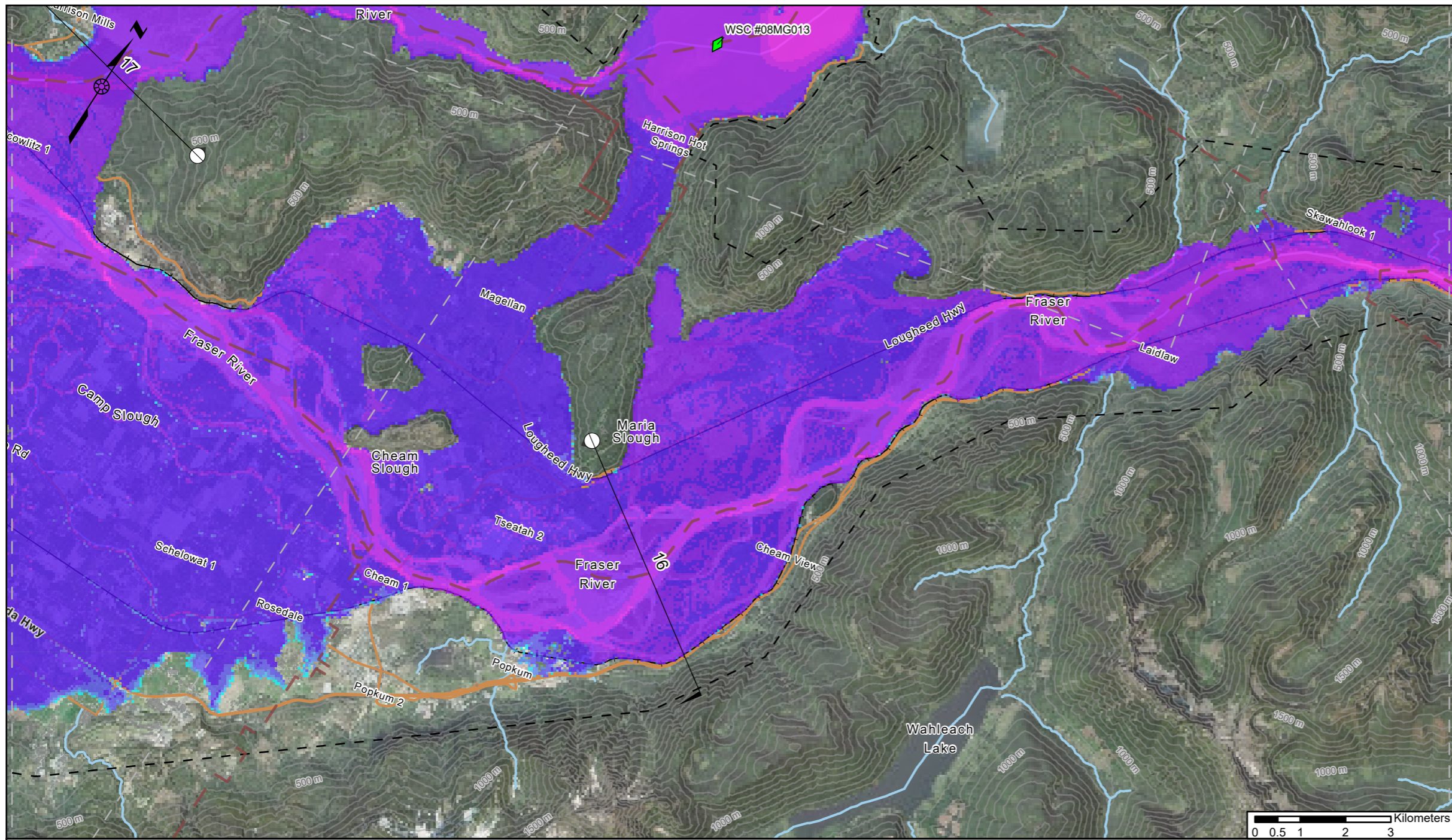


NECHAKO 2024 DAM BREACH ASSESSMENT

KENNEY DAM FAIR WEATHER FAILURE

MAXIMUM FLOW DEPTH

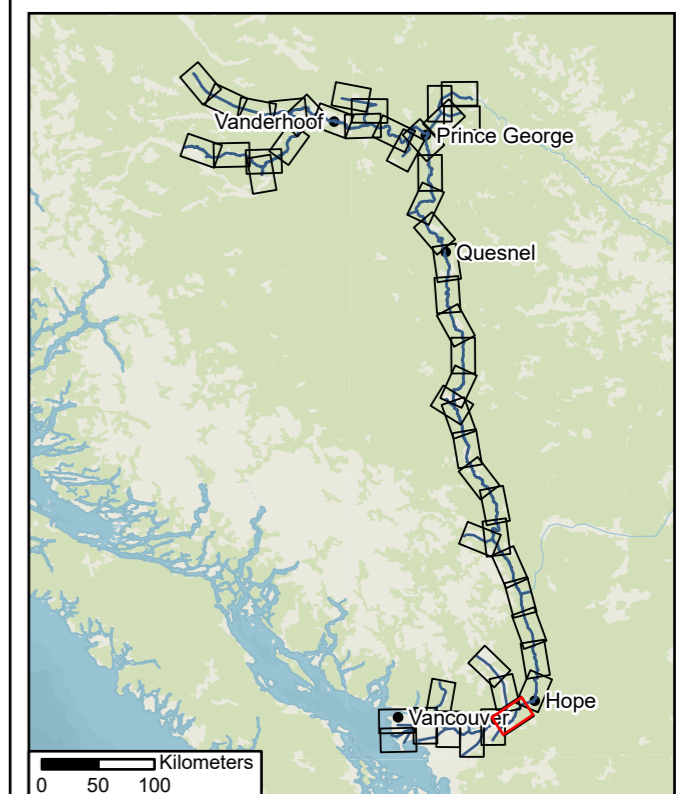
DATE	6/20/2025	
SCALE	1:100,000	PROJECT NO. P10436A04
		MAP NO. 02-41



NOTES:

1. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
2. HORIZONTAL PROJECTION AND DATUM: NAD83 UTM ZONE 10N. VERTICAL DATUM: CGVD2013.
3. PLACENAME AND ROAD DATA FROM OPEN STREET MAPS, DOWNLOADED AUGUST 27, 2024.
4. WATERCOURSE DATA FROM NATIONAL RESOURCES CANADA NATIONAL HYDROGRAPHIC NETWORK, DOWNLOADED AUGUST 27, 2024.
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ID	Max Water Level (m)	Peak Flow (m3/s)	Front Arrival Time (dd hh:mm)	Peak Arrival Time (dd hh:mm)	Flood Duration (dd)
16	24.3	48370	4d 15:30	7d 00:00	>15
17	16.4	4780	4d 18:00	6d 03:30	>15

LEGEND

	CITY BOUNDARY		WATERCOURSE	MAXIMUM FLOW DEPTH (m)
	MAP SHEET EXTENT		INDEX CONTOURS (100 m)	
	MODEL EXTENT		CROSS-SECTION	
	BUILDING		BASE INFLOW	
	RAILWAY			
	PRIMARY ROAD			

	< 0.3
	0.3 - 0.5
	0.5 - 1
	1 - 2
	2 - 5
	5 - 10
	10 - 15
	15 - 20
	> 20

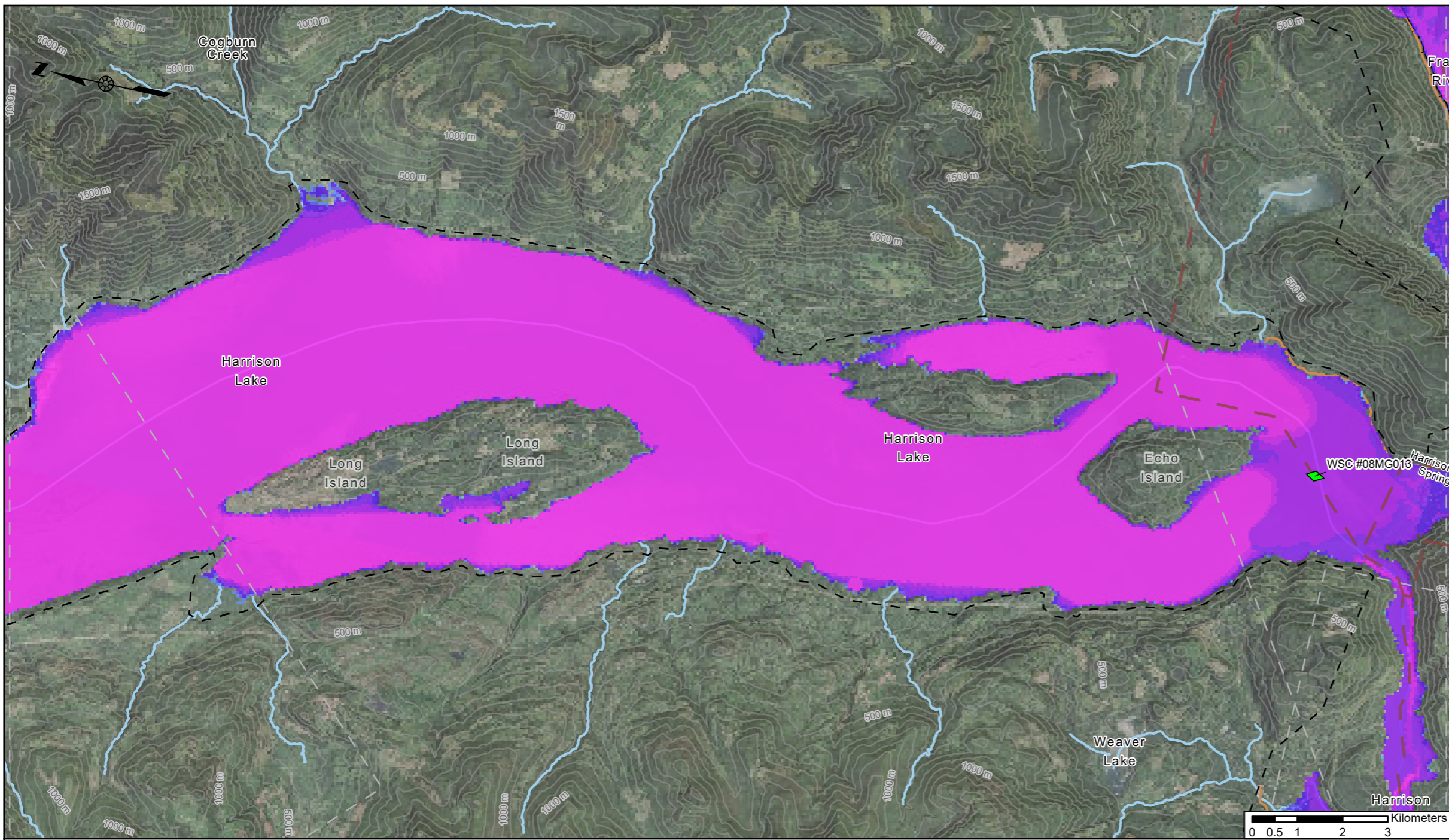
RioTinto **Klohn Crippen Berger**

NECHAKO 2024 DAM BREACH ASSESSMENT

**KENNEY DAM FAIR WEATHER FAILURE
MAXIMUM FLOW DEPTH**

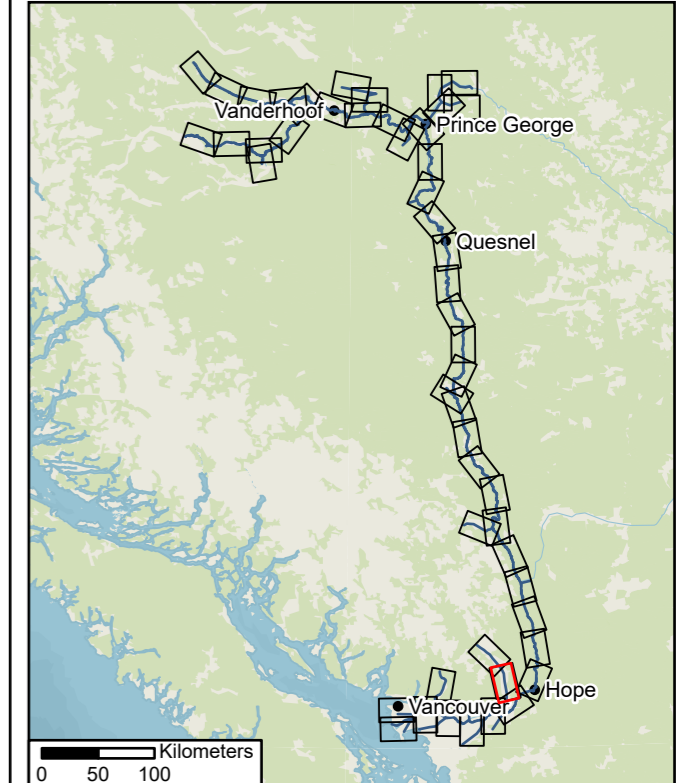
DATE 6/20/2025

SCALE 1:100,000	PROJECT NO. P10436A04	MAP NO. 02-42
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- NOTES:
1. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
 2. HORIZONTAL PROJECTION AND DATUM: NAD83 UTM ZONE 10N. VERTICAL DATUM: CGVD2013.
 3. PLACENAME AND ROAD DATA FROM OPEN STREET MAPS, DOWNLOADED AUGUST 27, 2024.
 4. WATERCOURSE DATA FROM NATIONAL RESOURCES CANADA NATIONAL HYDROGRAPHIC NETWORK, DOWNLOADED AUGUST 27, 2024.
 5. PROPERTY DATA FROM BC INTEGRATED CADASTRAL FABRIC, DOWNLOADED AUGUST 27, 2024.
 6. BASEMAP DATA SOURCE: ARCGIS ONLINE
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LEGEND

	CITY BOUNDARY		WATERCOURSE	MAXIMUM FLOW DEPTH (m) < 0.3 0.3 - 0.5 0.5 - 1 1 - 2 2 - 5 5 - 10 10 - 15 15 - 20 > 20
	MAP SHEET EXTENT		INDEX CONTOURS (100 m)	
	MODEL EXTENT		CROSS-SECTION	
	BUILDING		BASE INFLOW	
	RAILWAY			
	PRIMARY ROAD			

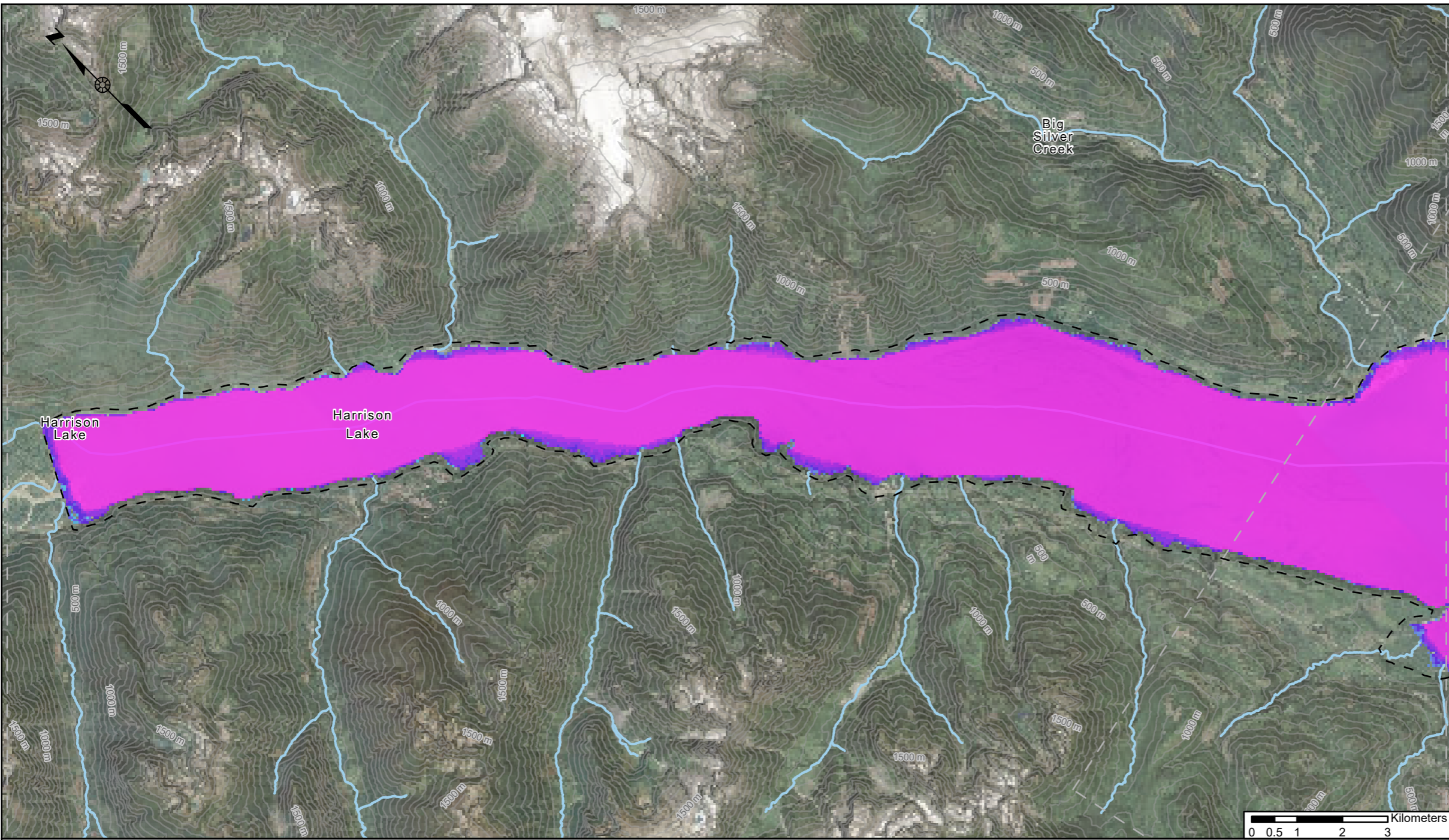
RioTinto **Klohn Crippen Berger**

NECHAKO 2024 DAM BREACH ASSESSMENT

**KENNEY DAM FAIR WEATHER FAILURE
MAXIMUM FLOW DEPTH**

DATE 6/20/2025

SCALE 1:100,000	PROJECT NO. P10436A04	MAP NO. 02-43
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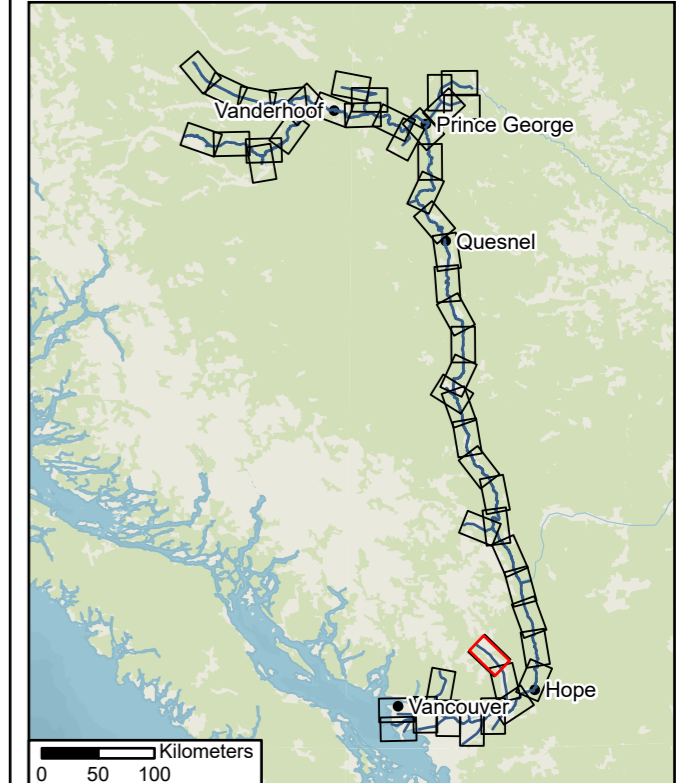
LEGEND

	CITY BOUNDARY		WATERCOURSE	MAXIMUM FLOW DEPTH (m)
	MAP SHEET EXTENT		INDEX CONTOURS (100 m)	
	MODEL EXTENT		CROSS-SECTION	
	BUILDING		BASE INFLOW	
	RAILWAY			
	PRIMARY ROAD			

NOTES:

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3. PLACENAME AND ROAD DATA FROM OPEN STREET MAPS, DOWNLOADED AUGUST 27, 2024.
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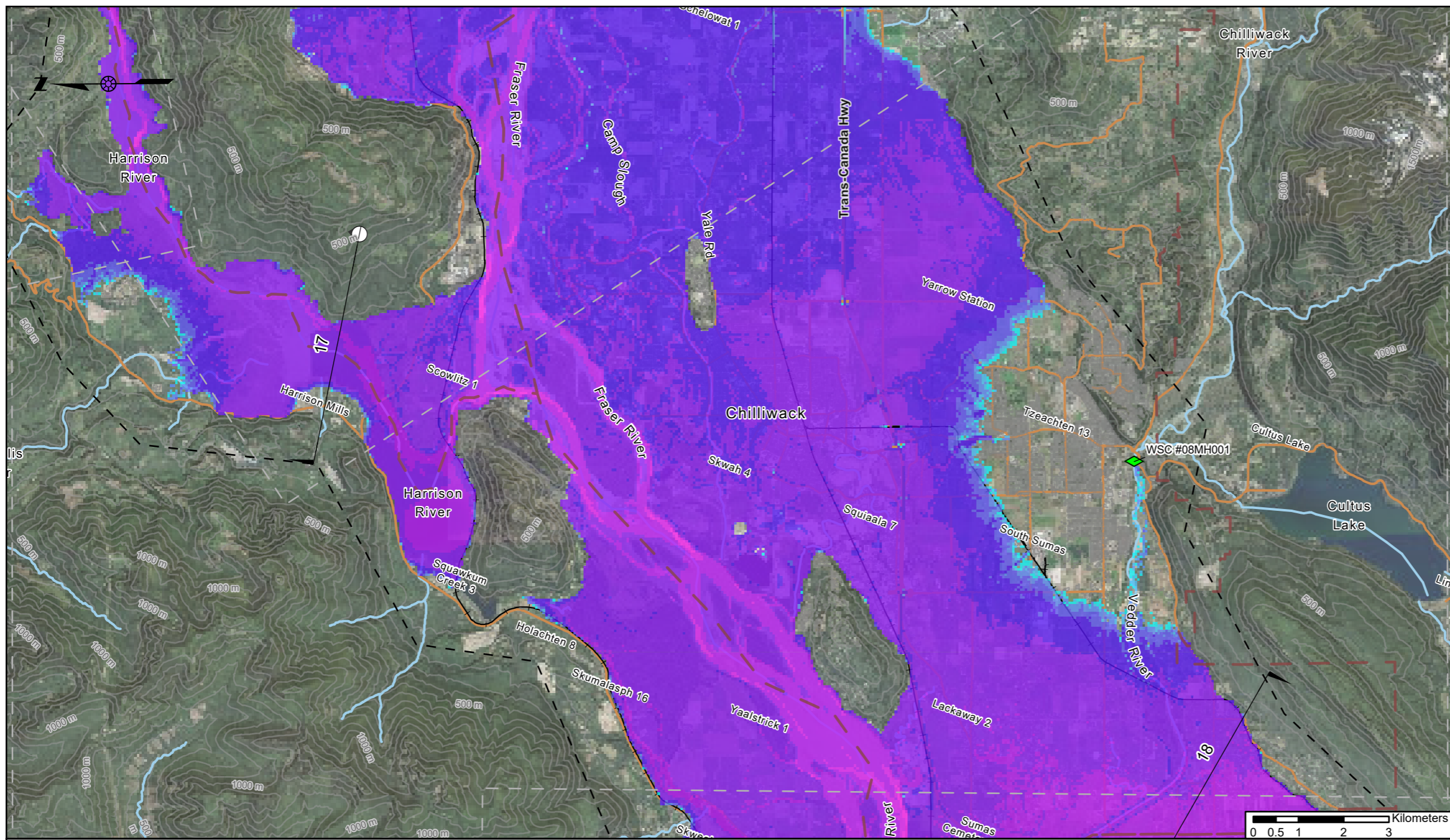


NECHAKO 2024 DAM BREACH ASSESSMENT

KENNEY DAM FAIR WEATHER FAILURE

MAXIMUM FLOW DEPTH

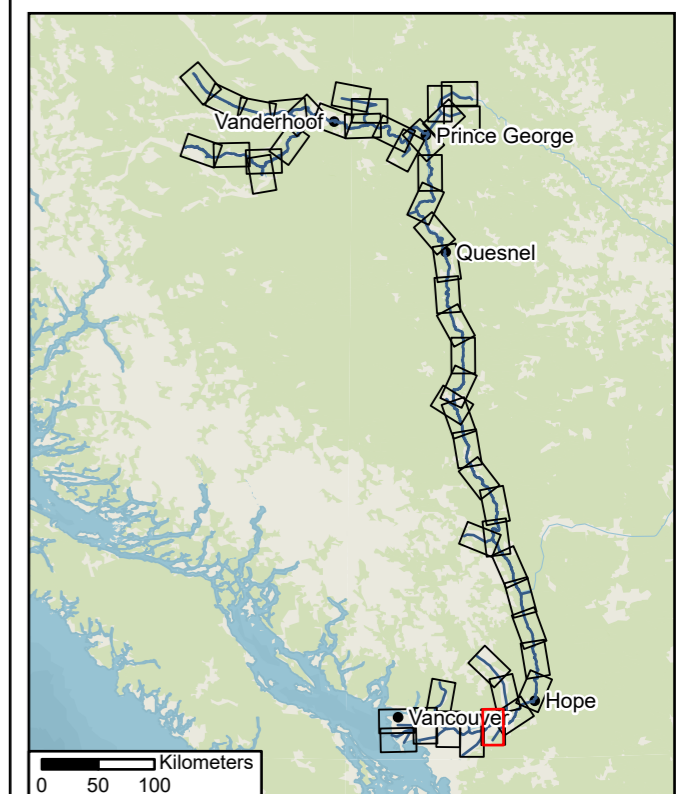
DATE	6/20/2025	
SCALE	1:100,000	PROJECT NO. P10436A04
		MAP NO. 02-44



NOTES:

1. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
2. HORIZONTAL PROJECTION AND DATUM: NAD83 UTM ZONE 10N. VERTICAL DATUM: CGVD2013.
3. PLACENAME AND ROAD DATA FROM OPEN STREET MAPS, DOWNLOADED AUGUST 27, 2024.
4. WATERCOURSE DATA FROM NATIONAL RESOURCES CANADA NATIONAL HYDROGRAPHIC NETWORK, DOWNLOADED AUGUST 27, 2024.
5. PROPERTY DATA FROM BC INTEGRATED CADASTRAL FABRIC, DOWNLOADED AUGUST 27, 2024.
6. BASEMAP DATA SOURCE: ARCGIS ONLINE
7. MAP TO BE READ IN CONJUNCTION WITH KCB REPORT "NECHAKO 2024 DAM BREACH ASSESSMENT".

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ID	Max Water Level (m)	Peak Flow (m3/s)	Front Arrival Time (dd hh:mm)	Peak Arrival Time (dd hh:mm)	Flood Duration (dd)
17	16.4	4780	4d 18:00	6d 03:30	>15
18	15.0	10490	5d 23:50	6d 23:40	>15

LEGEND

	CITY BOUNDARY		WATERCOURSE	MAXIMUM FLOW DEPTH (m) < 0.3 0.3 - 0.5 0.5 - 1 1 - 2 2 - 5 5 - 10 10 - 15 15 - 20 > 20
	MAP SHEET EXTENT		INDEX CONTOURS (100 m)	
	MODEL EXTENT		CROSS-SECTION	
	BUILDING		BASE INFLOW	
	RAILWAY			
	PRIMARY ROAD			

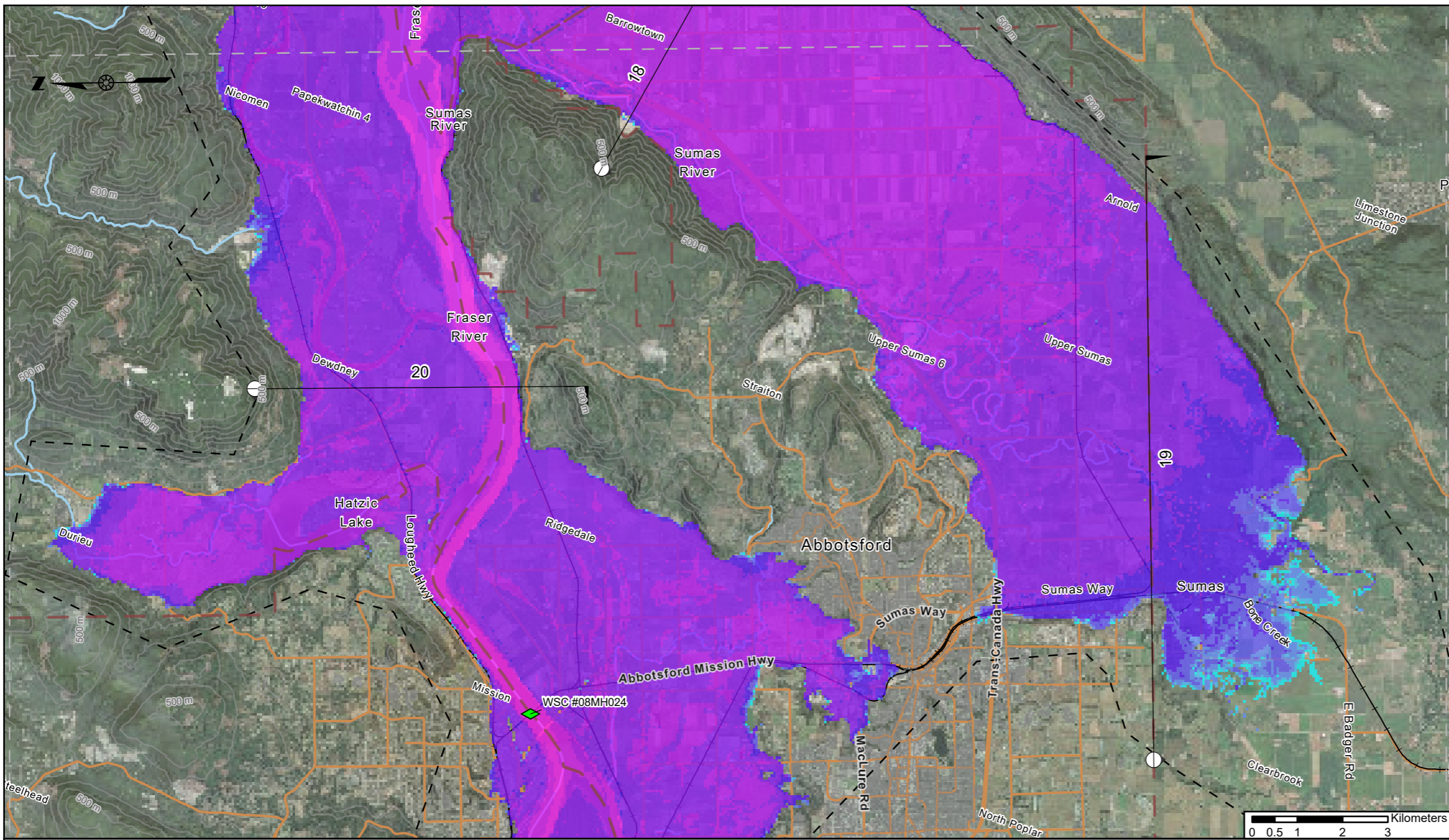


NECHAKO 2024 DAM BREACH ASSESSMENT

KENNEY DAM FAIR WEATHER FAILURE

MAXIMUM FLOW DEPTH

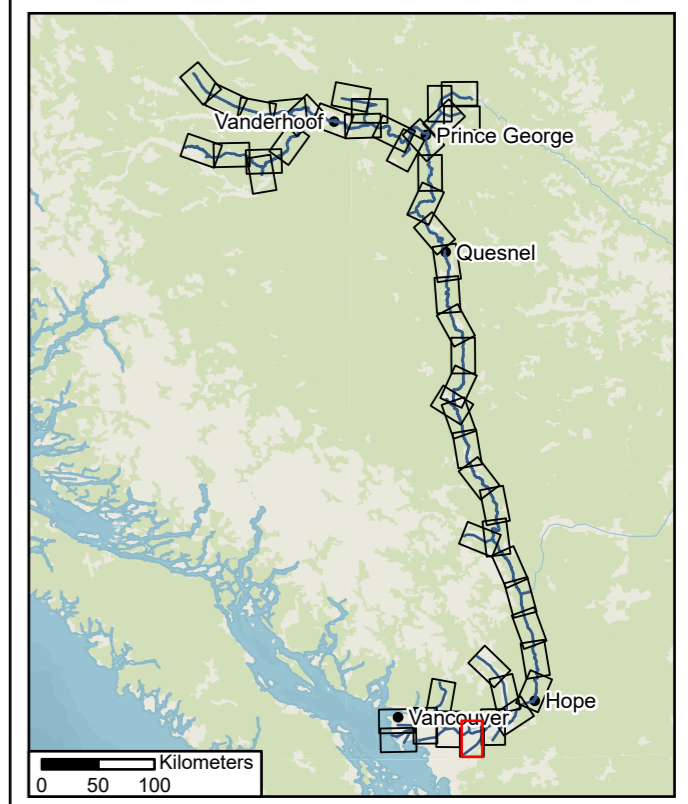
DATE	6/20/2025	
SCALE	1:100,000	MAP NO. 02-45
PROJECT NO.	P10436A04	



NOTES:

1. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
2. HORIZONTAL PROJECTION AND DATUM: NAD83 UTM ZONE 10N. VERTICAL DATUM: CGVD2013.
3. PLACENAME AND ROAD DATA FROM OPEN STREET MAPS, DOWNLOADED AUGUST 27, 2024.
4. WATERCOURSE DATA FROM NATIONAL RESOURCES CANADA NATIONAL HYDROGRAPHIC NETWORK, DOWNLOADED AUGUST 27, 2024.
5. PROPERTY DATA FROM BC INTEGRATED CADASTRAL FABRIC, DOWNLOADED AUGUST 27, 2024.
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ID	Max Water Level (m)	Peak Flow (m3/s)	Front Arrival Time (dd hh:mm)	Peak Arrival Time (dd hh:mm)	Flood Duration (dd)
18	15.0	10490	5d 23:50	6d 23:40	>15
19	15.0	1340	6d 15:10	7d 01:50	>15
20	14.5	37830	4d 20:10	8d 05:10	>15

LEGEND

	CITY BOUNDARY		WATERCOURSE	MAXIMUM FLOW DEPTH (m)
	MAP SHEET EXTENT		INDEX CONTOURS (100 m)	
	MODEL EXTENT		CROSS-SECTION	
	BUILDING		BASE INFLOW	
	RAILWAY			
	PRIMARY ROAD			

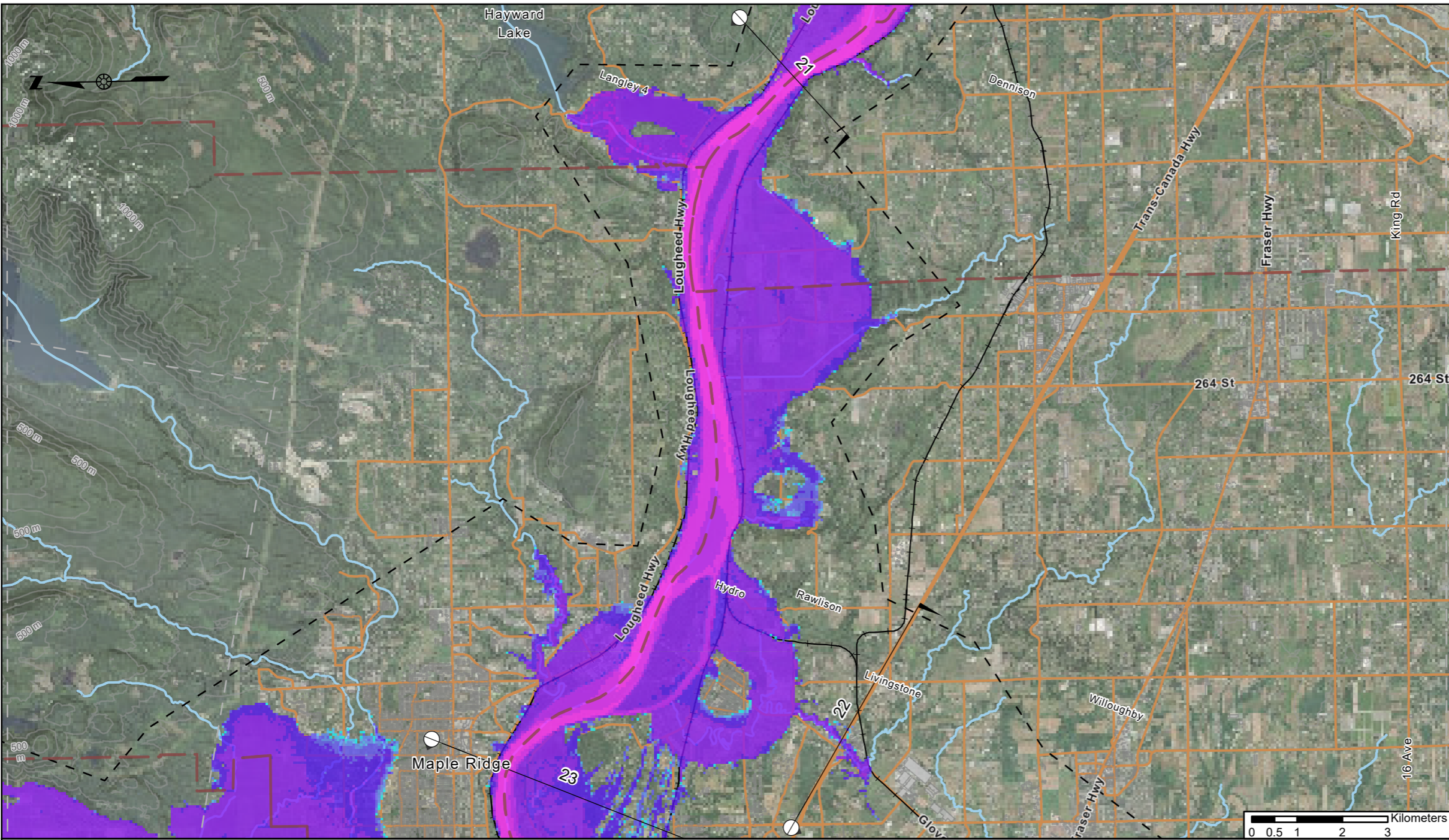


NECHAKO 2024 DAM BREACH ASSESSMENT

KENNEY DAM FAIR WEATHER FAILURE

MAXIMUM FLOW DEPTH

DATE	6/20/2025	
SCALE	1:100,000	MAP NO. 02-46
PROJECT NO.	P10436A04	



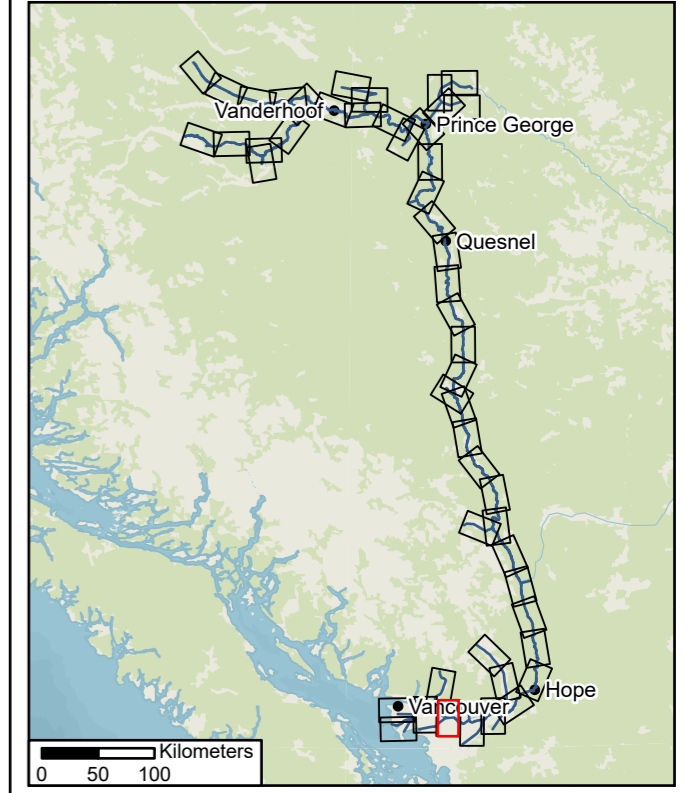
ID	Max Water Level (m)	Peak Flow (m3/s)	Front Arrival Time (dd hh:mm)	Peak Arrival Time (dd hh:mm)	Flood Duration (dd)
21	12.6	37150	4d 21:10	8d 11:50	>15
22	11.2	100	6d 15:10	8d 04:10	>15
23	10.0	36740	4d 21:20	8d 14:20	>15

LEGEND

	CITY BOUNDARY		WATERCOURSE	MAXIMUM FLOW DEPTH (m) < 0.3 0.3 - 0.5 0.5 - 1 1 - 2 2 - 5 5 - 10 10 - 15 15 - 20 > 20
	MAP SHEET EXTENT		INDEX CONTOURS (100 m)	
	MODEL EXTENT		CROSS-SECTION	
	BUILDING		BASE INFLOW	
	RAILWAY			
	PRIMARY ROAD			

- NOTES:
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 2. HORIZONTAL PROJECTION AND DATUM: NAD83 UTM ZONE 10N. VERTICAL DATUM: CGVD2013.
 3. PLACENAME AND ROAD DATA FROM OPEN STREET MAPS, DOWNLOADED AUGUST 27, 2024.
 4. WATERCOURSE DATA FROM NATIONAL RESOURCES CANADA NATIONAL HYDROGRAPHIC NETWORK, DOWNLOADED AUGUST 27, 2024.
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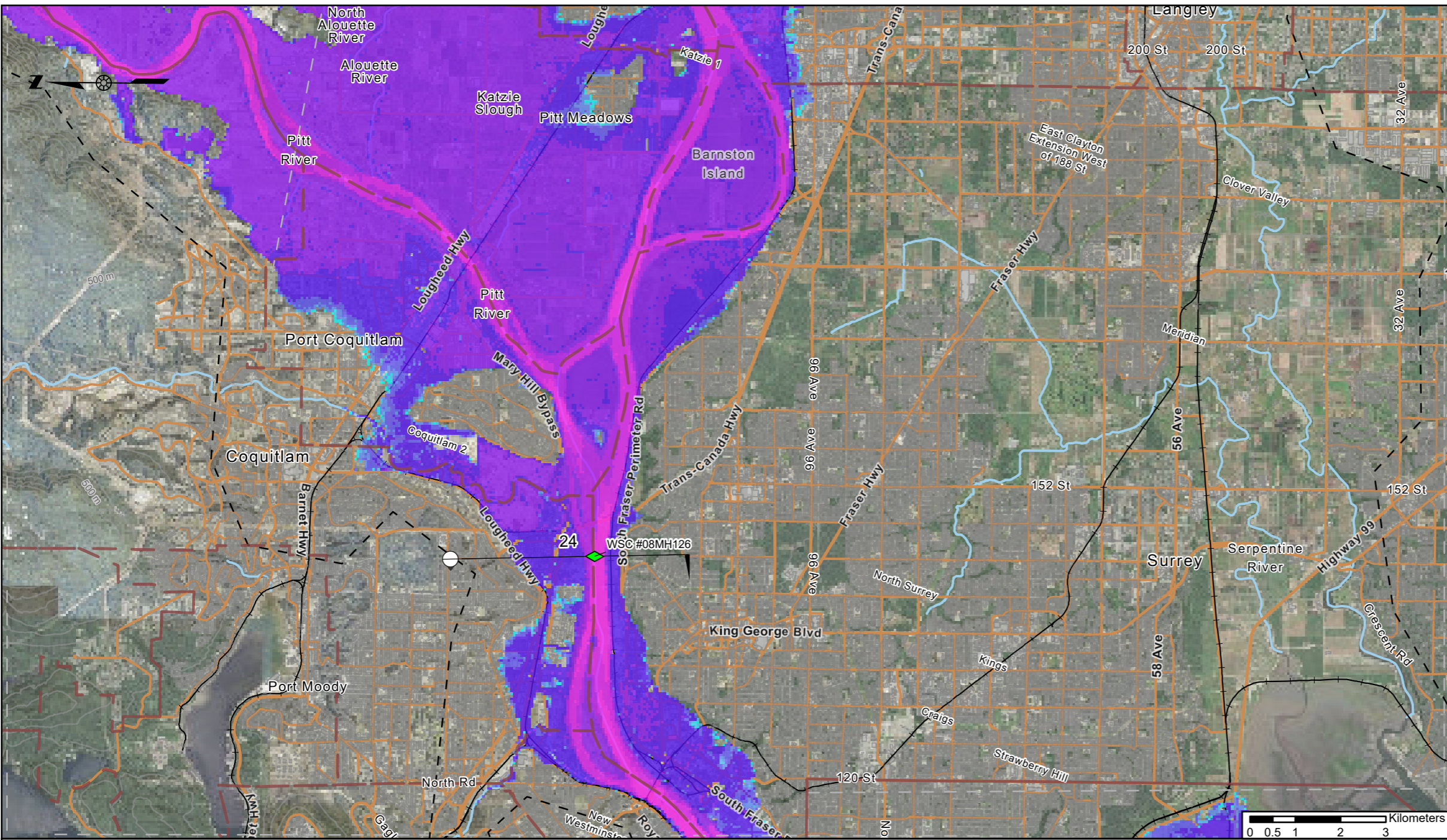
RioTinto **Klohn Crippen Berger**

NECHAKO 2024 DAM BREACH ASSESSMENT

**KENNEY DAM FAIR WEATHER FAILURE
MAXIMUM FLOW DEPTH**

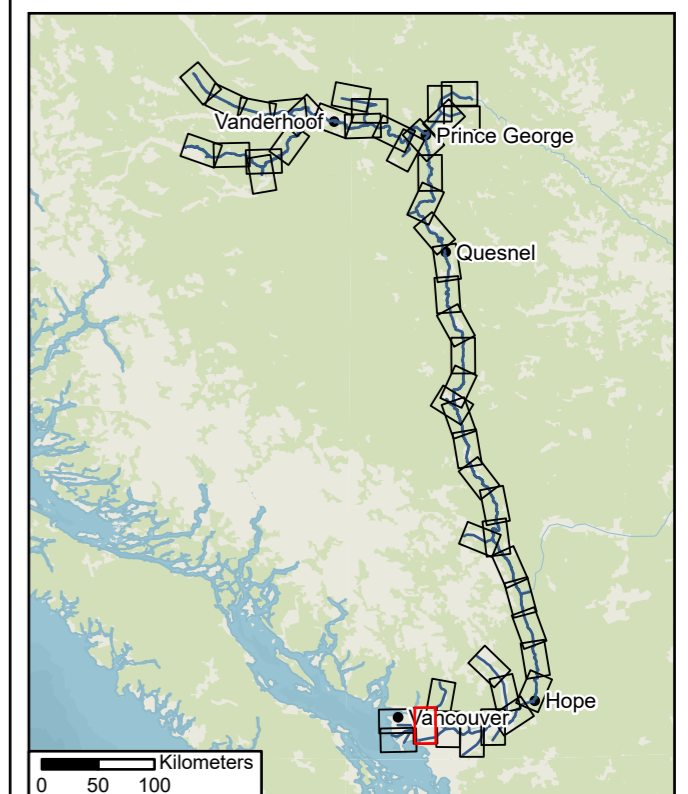
DATE 6/20/2025

SCALE 1:100,000	PROJECT NO. P10436A04	MAP NO. 02-47
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- NOTES:
1. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
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ID	Max Water Level (m)	Peak Flow (m3/s)	Front Arrival Time (dd hh:mm)	Peak Arrival Time (dd hh:mm)	Flood Duration (dd)
24	7.5	35540	4d 21:20	9d 08:20	>15

LEGEND

- | | | | | | |
|--|------------------|--|------------------------|-------------------------------|-----------|
| | CITY BOUNDARY | | WATERCOURSE | MAXIMUM FLOW DEPTH (m) | |
| | MAP SHEET EXTENT | | INDEX CONTOURS (100 m) | | |
| | MODEL EXTENT | | CROSS-SECTION | | |
| | BUILDING | | BASE INFLOW | | |
| | RAILWAY | | | | |
| | PRIMARY ROAD | | | | |
| | | | | | |
| | | | | | 0.3 - 0.5 |
| | | | | | 0.5 - 1 |
| | | | | | 1 - 2 |
| | | | | | 2 - 5 |
| | | | | | 5 - 10 |
| | | | | | 10 - 15 |
| | | | | | 15 - 20 |
| | | | | | > 20 |

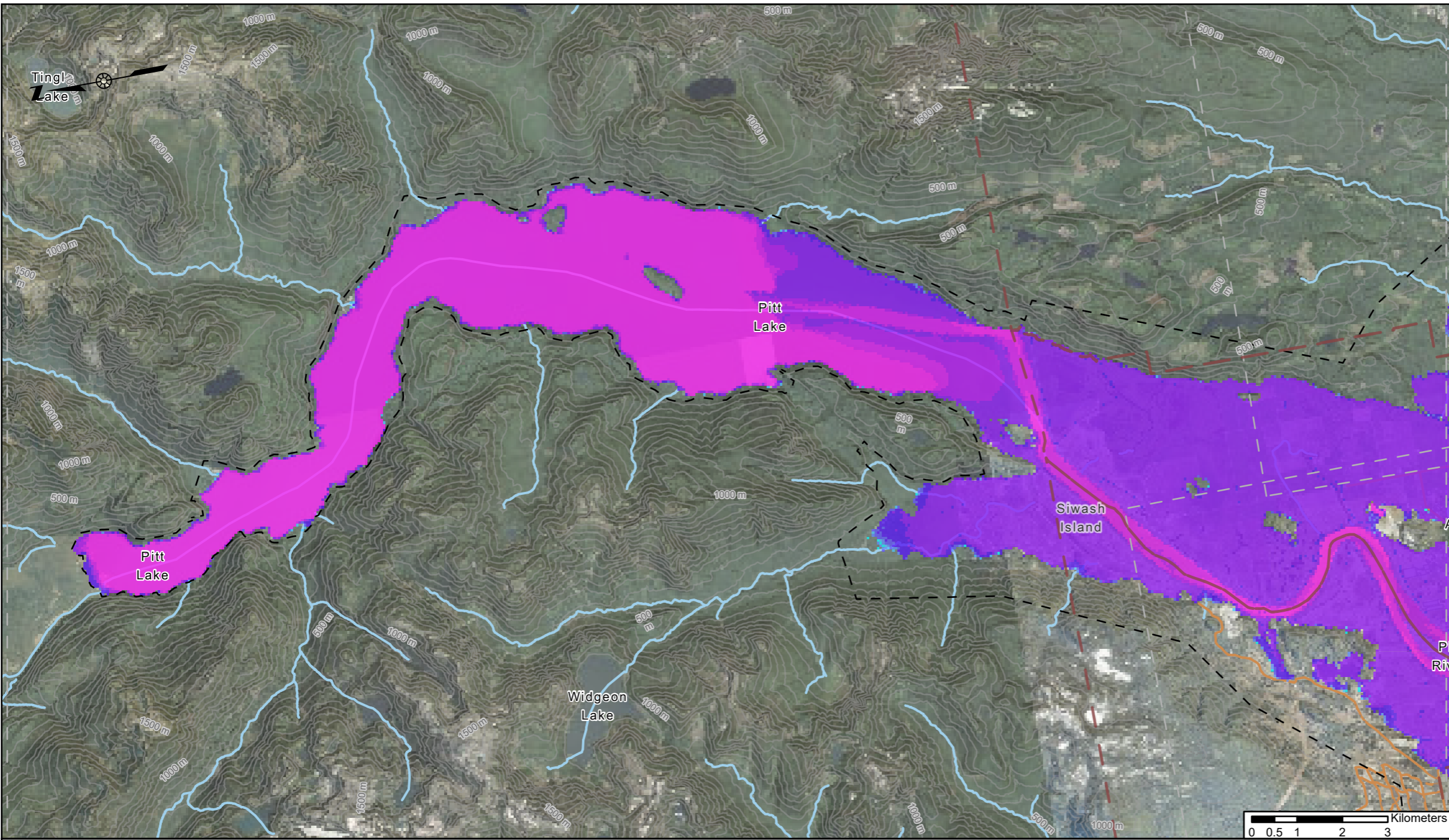
RioTinto **Klohn Crippen Berger**

NECHAKO 2024 DAM BREACH ASSESSMENT



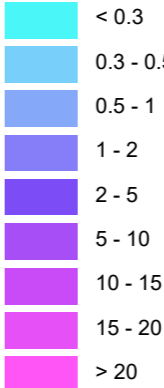








**KENNEY DAM FAIR WEATHER FAILURE
MAXIMUM FLOW DEPTH**

DATE 6/20/2025

SCALE 1:100,000	PROJECT NO. P10436A04	MAP NO. 02-48
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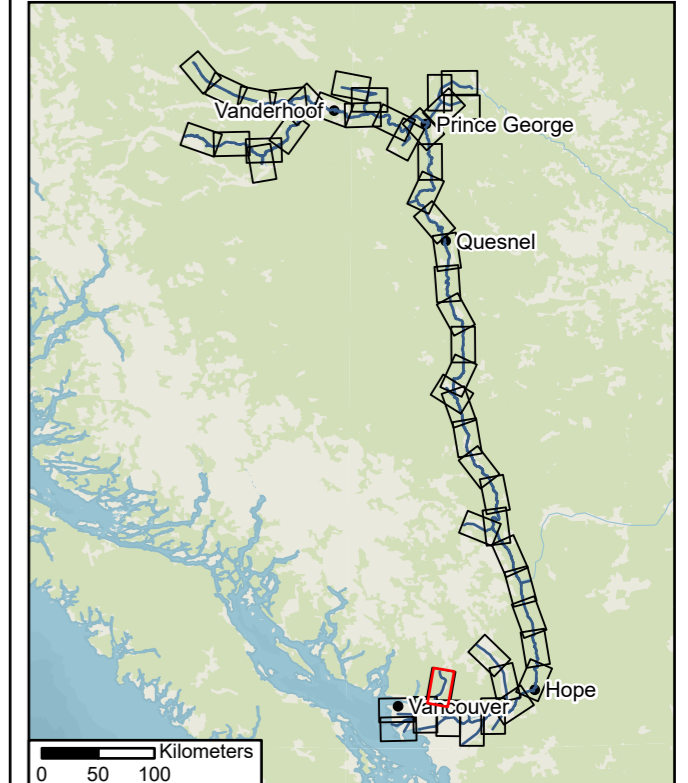
LEGEND

	CITY BOUNDARY		WATERCOURSE	MAXIMUM FLOW DEPTH (m) 
	MAP SHEET EXTENT		INDEX CONTOURS (100 m)	
	MODEL EXTENT		CROSS-SECTION	
	BUILDING		BASE INFLOW	
	RAILWAY			
	PRIMARY ROAD			

NOTES:

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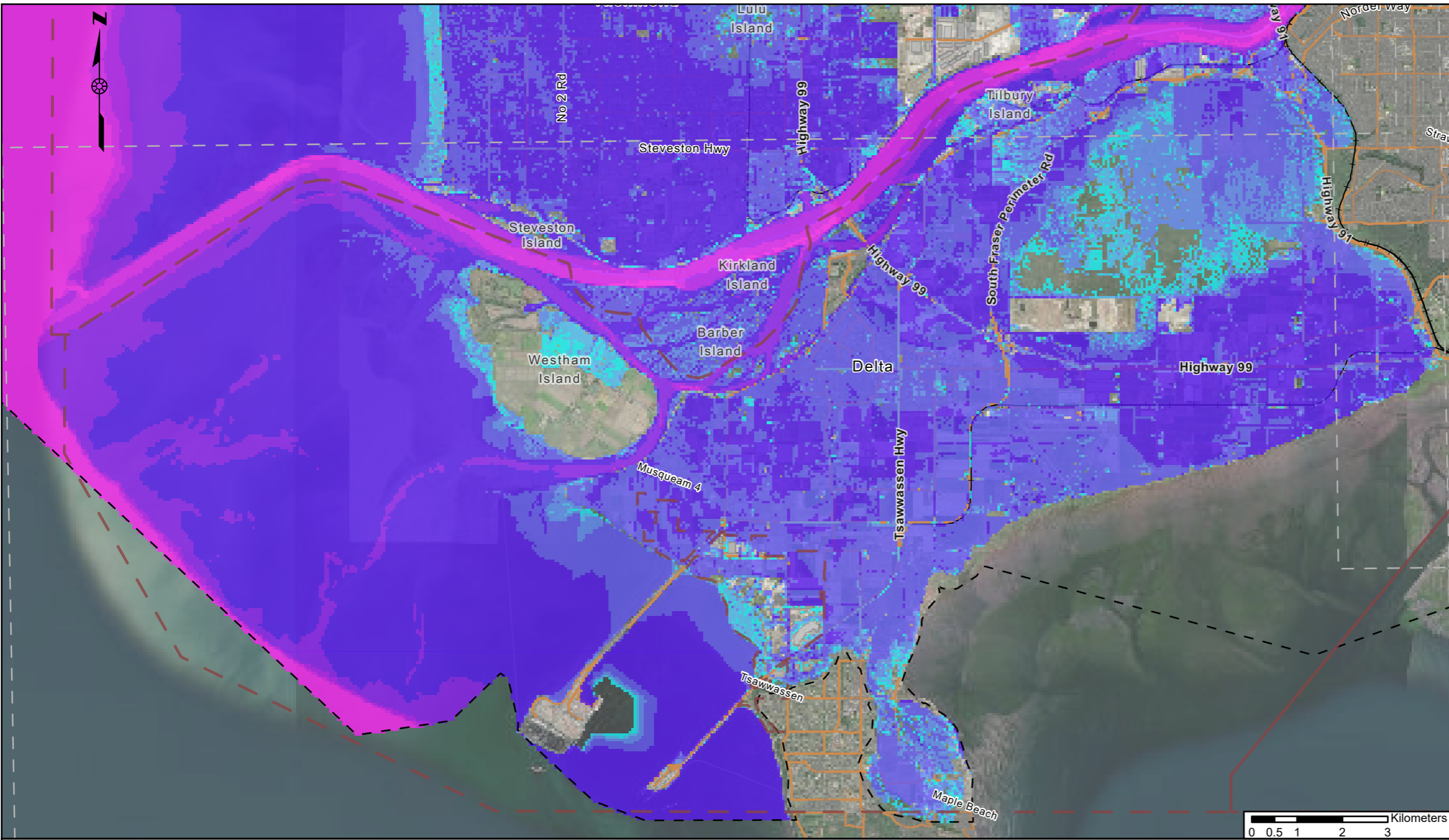


NECHAKO 2024 DAM BREACH ASSESSMENT

KENNEY DAM FAIR WEATHER FAILURE

MAXIMUM FLOW DEPTH

DATE	6/20/2025	
SCALE	1:100,000	PROJECT NO. P10436A04
		MAP NO. 02-49

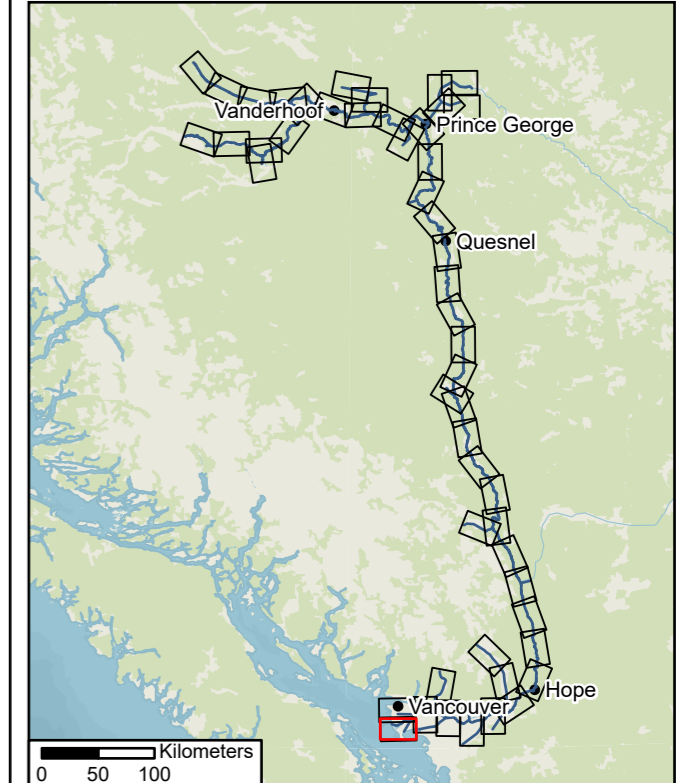


LEGEND

	CITY BOUNDARY		WATERCOURSE	MAXIMUM FLOW DEPTH (m) <math>< 0.3</math> 0.3 - 0.5 0.5 - 1 1 - 2 2 - 5 5 - 10 10 - 15 15 - 20 > 20
	MAP SHEET EXTENT		INDEX CONTOURS (100 m)	
	MODEL EXTENT		CROSS-SECTION	
	BUILDING		BASE INFLOW	
	RAILWAY			
	PRIMARY ROAD			

- NOTES:
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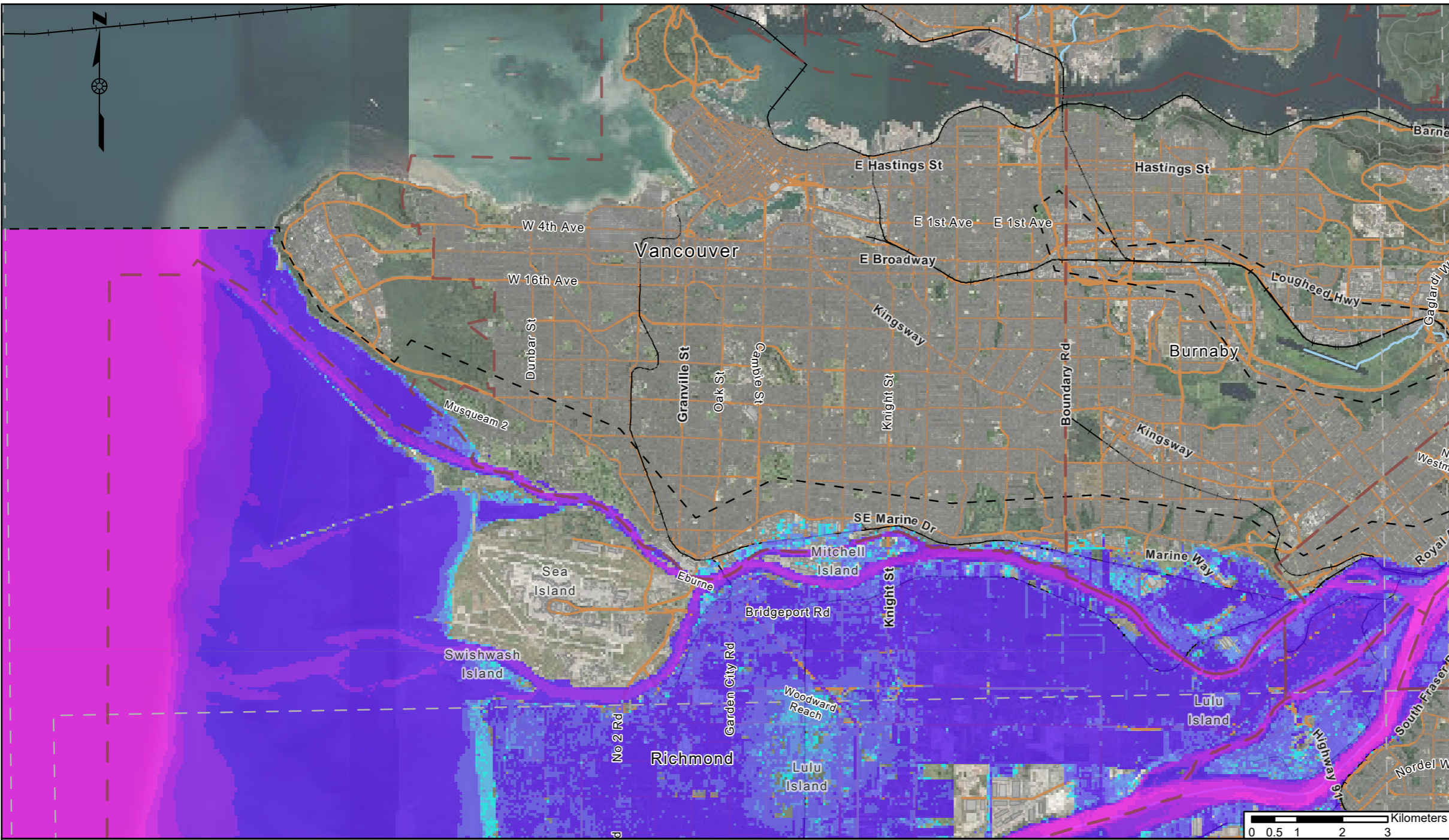
RioTinto **Klohn Crippen Berger**

NECHAKO 2024 DAM BREACH ASSESSMENT

**KENNEY DAM FAIR WEATHER FAILURE
MAXIMUM FLOW DEPTH**

DATE 6/20/2025

SCALE 1:100,000	PROJECT NO. P10436A04	MAP NO. 02-50
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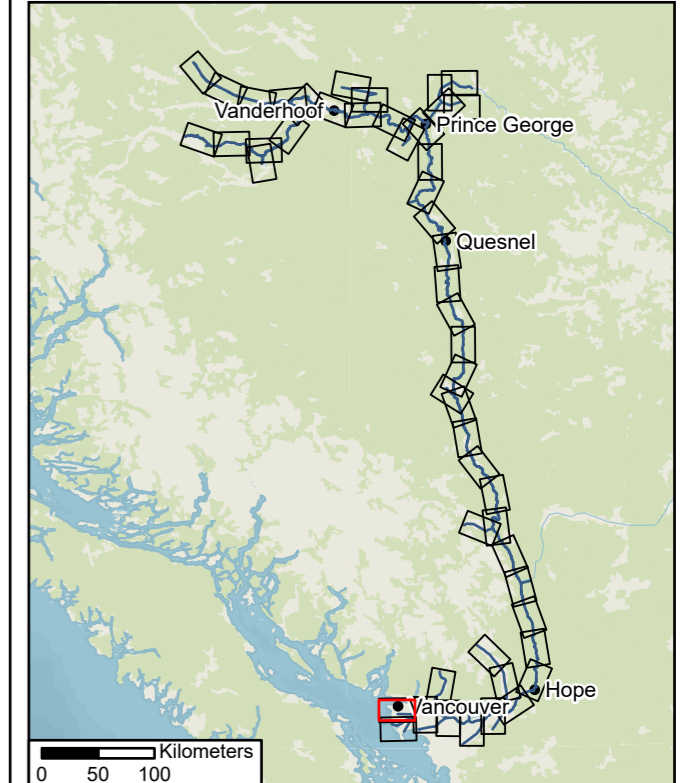
LEGEND

	CITY BOUNDARY		WATERCOURSE	MAXIMUM FLOW DEPTH (m)
	MAP SHEET EXTENT		INDEX CONTOURS (100 m)	
	MODEL EXTENT		CROSS-SECTION	
	BUILDING		BASE INFLOW	
	RAILWAY			
	PRIMARY ROAD			
				< 0.3
				0.3 - 0.5
				0.5 - 1
				1 - 2
				2 - 5
				5 - 10
				10 - 15
				15 - 20
				> 20

NOTES:

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7. MAP TO BE READ IN CONJUNCTION WITH KCB REPORT "NECHAKO 2024 DAM BREACH ASSESSMENT".

THIS MAP IS AN INSTRUMENT OF SERVICE OF KLOHN CRIPPEN BERGER (KCB). THE MAP HAS BEEN PREPARED FOR THE EXCLUSIVE USE OF RIO TINTO (RTA) FOR THE SPECIFIC APPLICATION TO THE NECHAKO RESERVOIR, AND IT MAY NOT BE RELIED UPON BY ANY OTHER PARTY WITHOUT KCB'S WRITTEN CONSENT.



NECHAKO 2024 DAM BREACH ASSESSMENT

KENNEY DAM FAIR WEATHER FAILURE

MAXIMUM FLOW DEPTH

DATE	6/20/2025	
SCALE	1:100,000	PROJECT NO. P10436A04
		MAP NO. 02-51