

BRITISH COLUMBIA ARCHAEOLOGICAL IMPACT ASSESSMENT INTERIM REPORT FORM



1. REPORT TITLE

2019-0140-13409	Archaeological Impact Assessment of British Columbia Timber Sales Stuart-Nechako Cutblock CHU20_04.
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2. MANAGEMENT SUMMARY

2.1	<i>Protected HCA Sites:</i>	N/A
2.2	<i>Brief Overview of Study:</i>	
	ARCHER CRM Partnership (ARCHER) conducted an archaeological impact assessment (AIA) on the subject project at the request of David Zurevinski of British Columbia Timber Sales Stuart Nechako (BCTS Stuart Nechako). An in-office review of the proposed cutblock prior to field assessment identified areas of archaeological potential (AOPs), as well as the potential for culturally modified trees (CMTs) based on VRI data of a tree stand of a sufficient age to produce pre-1846 CMTs.	
2.3	<i>Results:</i>	
	<p>A total of 59 subsurface tests were placed at three locations exhibiting archaeological potential. All subsurface tests returned negative results for archaeological materials.</p> <p>No archaeological sites, CMTs or other cultural heritage resources protected under the <i>Heritage Conservation Act</i> (HCA) were identified as a result of this study.</p> <p>A single blaze was identified and is illustrated on Figures 1 and 2.</p>	
2.4	<i>Management Recommendations:</i>	
	<p>Our visual inspection and subsurface testing program of the proposed BCTS Stuart Nechako cutblock CHU20_04 did not result in the identification of archeological or other cultural heritage remains protected under <i>Heritage Conservation Act</i> (HCA).</p> <p>To address the prospect of unanticipated archaeological materials and/or features being discovered, it is recommended that the proponent inform its employees and contractors of this possibility. If archaeological materials or other heritage remains are uncovered during construction, work in the area of the find must immediately cease and the Archaeology Branch and/or ARCHER informed. It is recommended that the proponent also promptly inform the relevant First Nations concerning any unanticipated archaeological findings.</p>	

3. ADMINISTRATIVE INFORMATION

3.1	<i>Permit Holder:</i>	Frank Craig f.craig@archercrm.ca	3.2	<i>Permit Holder Affiliation:</i>	ARCHER CRM Partnership T: 250-567-9496
3.3	<i>Proponent Contact:</i>	David Zurevinski David.Zurevinski@gov.bc.ca	3.4	<i>Proponent Affiliation:</i>	BCTS Stuart Nechako T: 250-567-6331
3.5	<i>Interim Report Author(s):</i>	Marina Russell			
3.6	<i>Interim Report Date & Version:</i>	December 10, 2020, V1			

3.7	Notification of Work Date:	<p>May 11, 2020:</p> <ul style="list-style-type: none"> • Halfway River First Nation • McLeod Lake Indian Band • Nak'azdli Whut'en Band • Takla Nation • West Moberly First Nation
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4. PROPOSED DEVELOPMENT

4.1	Description:	<p>British Columbia Timber Sales Stuart Nechako Business Area CHU20_04</p> <ul style="list-style-type: none"> • Cutblock for timber harvest • Total area 497.6 ha
4.2	Location:	<p>The development is located northwest of Kalder Lake, east-southeast of Mudzenchoot Peak and south-southeast of the east end of Chuchi Lake. It is situated at NAD 83 UTM Zone 10 UTM Coordinates (approximate center) E: 417828 N: 6100006.</p>

5. FIELD CREW

Table 1. Field Crew

Date (dd/mm/yy)	Field Director (on site? Y/N)	Field Supervisor	Other Field Personnel
13/10/20	Marina Russell (Y)	N/A	Greg Ketlo, Gene Kristiansen
14/10/20	Marina Russell (Y)	N/A	Greg Ketlo, Gene Kristiansen, Stuart Millar (Nak'azdli Whut'en)
16/10/20	Marina Russell (Y)	N/A	Greg Ketlo, Gene Kristiansen, Stuart Millar (Nak'azdli Whut'en)

6. ARCHAEOLOGICAL METHODS & RESULTS

6.1. Pre-field Methodology

- ☒ Archaeological potential and sites are indicated on the Study Area Map
- ☐ An AOA and /or archaeological predictive model exists for the study area
Details:
- ☐ Previous field studies influenced this assessment
Details:
- ☒ Review of Provincial Heritage Register
Date Accessed: May 19 and November 17, 2020
- ☒ Other

Details: Prior to fieldwork, the study area was subject to an in-office map review, this included identifying areas of archaeological potential and determining the potential presence of culturally modified trees (CMTs), orthographic photos, and records of previous archaeological assessments. Identified areas of potential which could be impacted by development activities were subject to field assessment by crew members on the ground. The terms and conditions guiding the overview and identification of archaeological potential are defined in the corresponding permit.

Table 2. Archaeological Sites within 5 km of the Study Area

<i>Borden No.</i>	<i>Distance & Direction from the Proposed Development</i>	<i>Site Type</i>	<i>Permit No. of Previous Visits</i>	<i>Site in Conflict (Y/N)</i>
GgSb-2	3369 m N	PRECONTACT – Subsistence Feature - Cultural Depression – Cache Pit	2007-137	N
GgSb-4	3913 m N	PRECONTACT – Cultural Material – Subsurface – Lithic	2004-140	N
GgSb-3	3934 m N	PRECONTACT – Cultural Material – Subsurface – Lithic	2004-140	N
GgSb-7	4543 m NE	PRECONTACT – Subsistence Feature - Cultural Depression – Cache Pit	2015-78	N

6.2. In-field Methodology

☒ Subsurface test measurements are a minimum of 35 x 35 cm

Date Accessed: October 13, 14 and 16, 2020

During the assessment the study area was visually assessed by one crew with three to four crew members walking parallel to each other, spaced in a manner that would enable maximum coverage depending on visibility and archaeological potential of the area. Where applicable, natural and anthropogenic soil exposures (erode banks, tree throws etc.) in the project footprint were visually examined for cultural remains in disturbed or secondary contexts.

The depths of the tests varied from 30-45 cm, at which point glacial sediments were encountered and the tests were discontinued. All sediments from the tests were screened through ¼" mesh.

CMTs in or adjacent to the subject project were sought given the presence of mature forest cover.

6.2.1	<i>Number of Crew Members:</i>	3-4	6.2.2	<i>Crew Spacing:</i>	5-20 m
6.2.3	<i>Other:</i>	Transects were spaced according to archaeological potential, forest/vegetation cover density and ground surface visibility.			

6.3. In-field Observations

The study area is situated across either sloping or featureless terrain. Some well defined terraces were present along a stream and wetland in the western half of the block, and an ephemeral stream in the east.

Forest cover consists of subalpine fir, hybrid spruce, lodgepole pine with some trembling aspen. The understory is comprised of blueberry, huckleberry, bunchberry, twinberry, gooseberry, soapberry, rose, Labrador tea, moss, lichen, Queen's cup, Devil's club, alder, horsetail, fireweed, and club moss.

The block was flagged at the time of assessment. A single blazed tree was identified within the study area and is illustrated on Figures 1 and 2. Several flagged modern cut lines were also located throughout the study area.

6.4. Results

A total of 59 subsurface tests were placed at three locations exhibiting archaeological potential. All subsurface tests returned negative results for archaeological materials.

No archaeological sites or other cultural heritage resources protected under the *Heritage Conservation Act* (HCA) were identified as a result of this study.

Table 3. Assessment Results

Subsurface Test Area	Description*	Stratigraphy	Dimensions (m) (L x W)	Subsurface Tests		
				Total	Positive	Negative
TL1 (Figure 1 & 3)	A small point terrace overlooking an ephemeral stream/low area. Judgemental testing was employed.	Stratigraphy is uniform throughout as follows: 0-7 cm duff; 7-23 cm red brown silt; 23-29 cm yellow brown clayey silt with 10% small cobbles; 29-32 cm + light grey tan clayey silt.	7 m x 5 m	10	0	10
TL2 (Figure 1 & 2)	A small point terrace associated with a wetland. Terrain between the wetland and test location is sloping. Judgemental testing was employed.	Stratigraphy is uniform throughout as follows: 0-8 cm duff; 8-17 cm red brown silt with 5% pebbles; 17-31 cm yellow brown silt; 31-38 cm + grey tan firm silty sand with 10% small cobbles.	6 m x 6 m	10	0	10
TL3 (Figure 1 & 2)	A high terrace associated with a stream below. The terrace is minimum 50 m above the stream which cannot be seen from the test location. Systematic testing was employed.	Stratigraphy is uniform throughout as follows: 0-8 cm duff; 8-16 cm light grey brown fine sandy silt; 16-34 cm orange-brown sandy silt; 34-44 cm + yellow brown silty sand, 15% cobbles and pebbles throughout.	85 m x 4 m	39	0	39

7. ARCHAEOLOGICAL SITE SUMMARY

No archaeological sites were identified or revisited.

8. DISCLOSURE STATEMENT & SIGNATURE

Project footprint boundaries illustrated on the attached map(s) indicate those areas subject to the archaeological assessment described in this report, unless otherwise noted. If future or final construction and development plans differ from those presented here, the results of this assessment may not be applicable in

part or in whole.

To address the prospect of unanticipated archaeological remains being discovered, it is recommended that the proponent inform its employees and contractors of this possibility. If archaeological materials or other heritage remains are uncovered during construction, work in the area of the find must immediately cease and the Archaeology Branch and/or ARCHER informed. It is recommended that the proponent also promptly inform the relevant First Nations concerning any unanticipated archaeological findings.

It was not the intent of this study to identify, evaluate, or comment on the presence or absence of Aboriginal Rights in the study area. Completion of this study does not "abrogate or derogate from aboriginal treaty rights" (Heritage Conservation Act Sec. 8). The study was conducted without prejudice to First Nations Treaty Negotiations, aboriginal rights or aboriginal title.

It is my opinion that the reported fieldwork and this corresponding report were completed in agreement with the requirements of the relevant Heritage Inspection Permit issued by the Archaeology Branch. I concur that the above information is true given available information.

Sincerely,

ORIGINAL DOCUMENT SIGNED

Marina Russell, B.Sc.
Field Director, on behalf of,

Frank Craig, B.A., RPCA
Permit holder

9. REFERENCES CITED

Subject Report Citation:

ARCHER CRM Partnership
2020 Archaeological Impact Assessment of Proposed British Columbia Timber Sales Cutblock CHU20_04.
HCA Permit 2019-0140. ARCHER CRM Partnership file 13409. Submitted to British Columbia Timber
Sales Stuart Nechako. Copies on file at the Archaeology Branch, Victoria, BC.

10. REPORT DISTRIBUTION

Contact	Affiliation
David Zurevinski 250-567-6331 David.Zurevinski@gov.bc.ca	British Columbia Timber Sales Stuart Nechako 15560 BC-16, Vanderhoof, BC, V0J 3A0
Damian Hind 250-953-3334 Damian.Hind@gov.bc.ca	Archaeology Branch 1250 Quadra St, Victoria, BC, V8W 2K7

11. SHAPE FILES

- ☒ Study area shape files have been sent to archsiteform@gov.bc.ca. Study area shapefiles will be submitted on the anniversary date of the Permit.

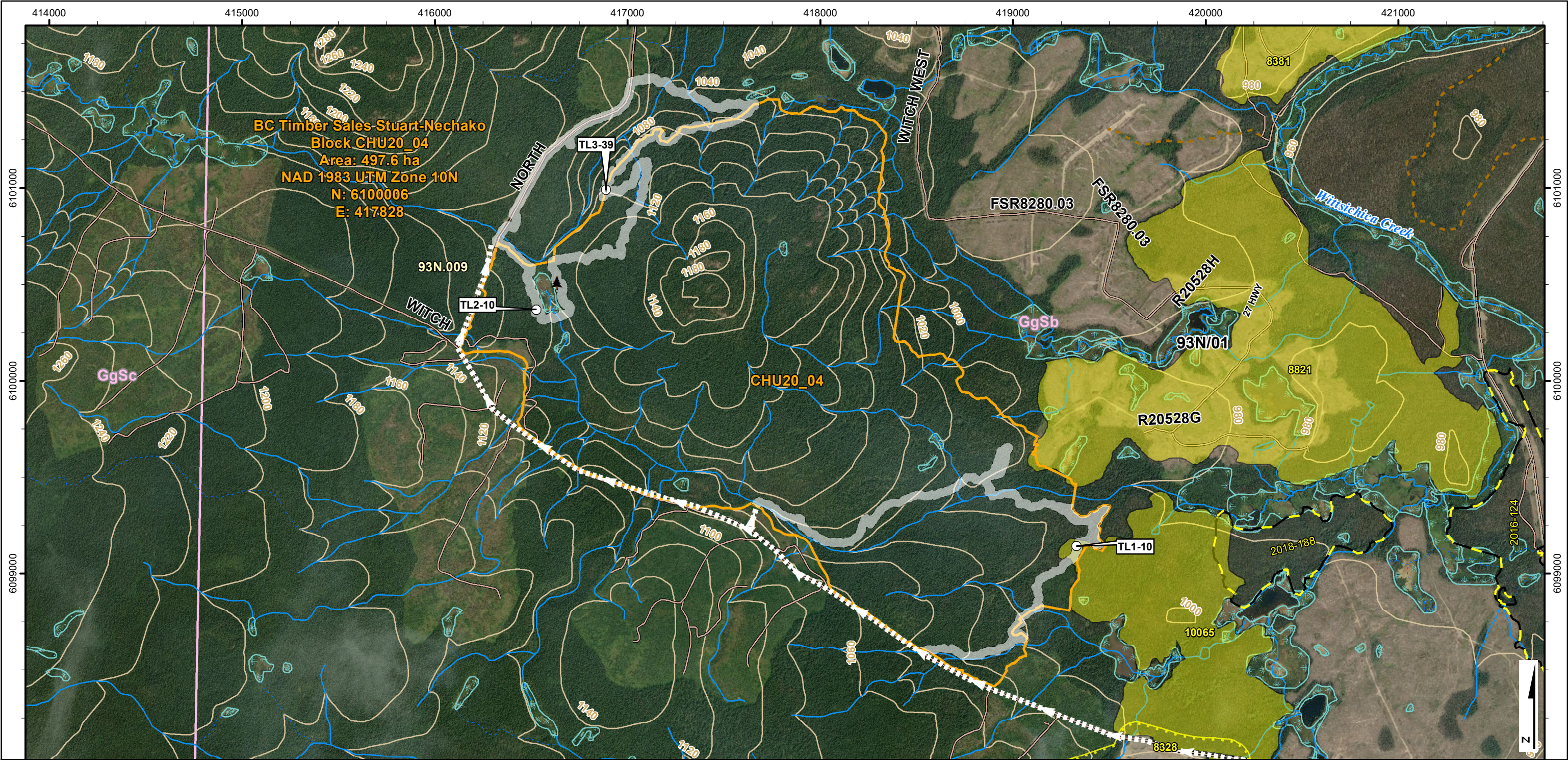
12. APPENDICES

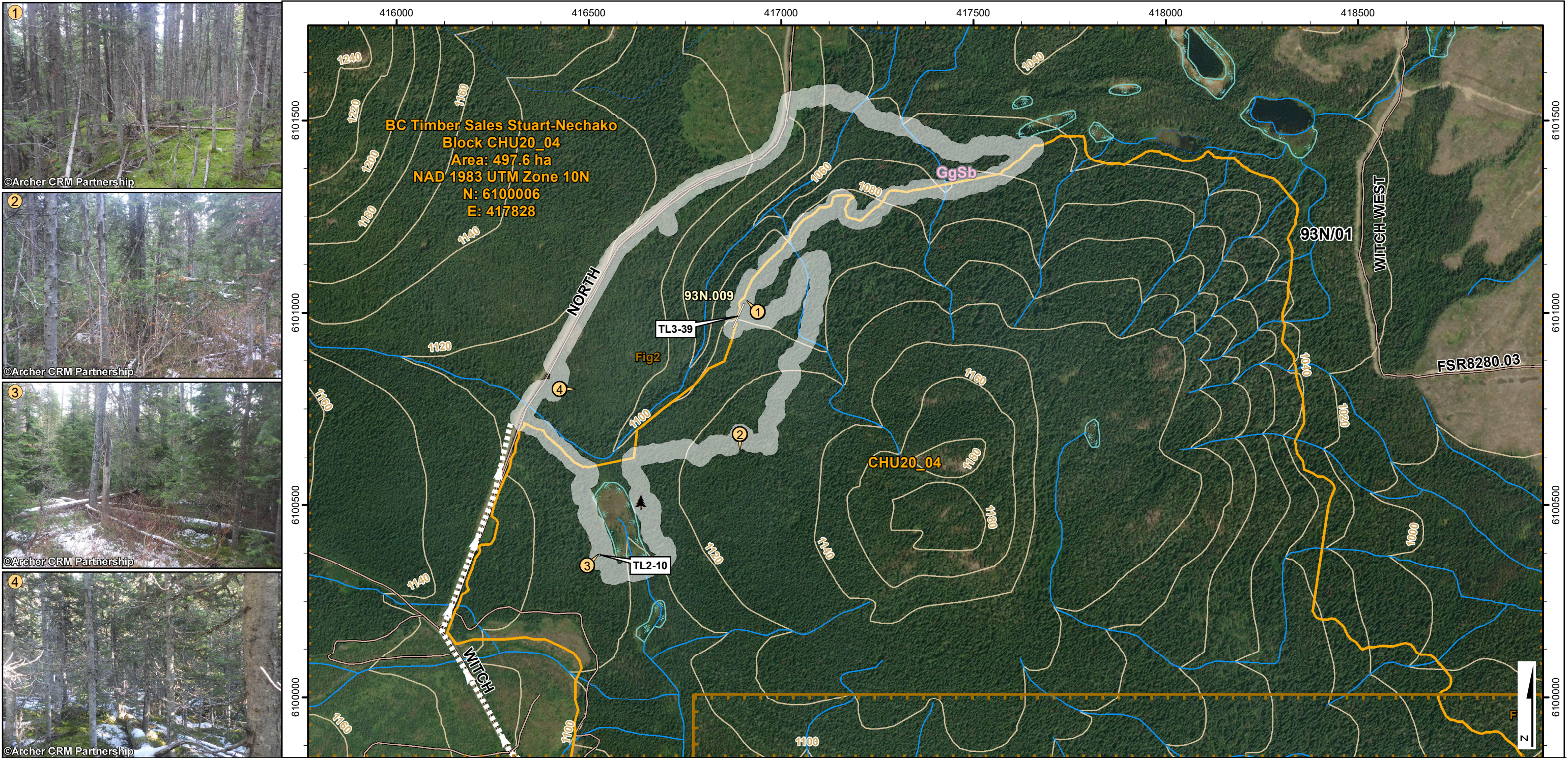
Required:

- ☒ General Area Map (Figure 1)
☒ Study Area Map (Figures 1-3)
☒ Photo Plate(s) (Figures 2-3)

If Applicable:

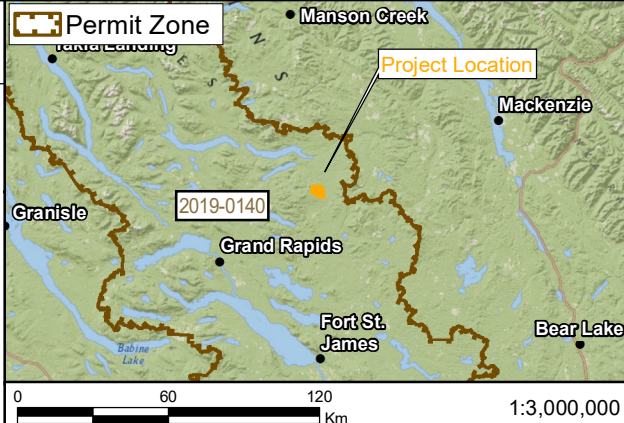
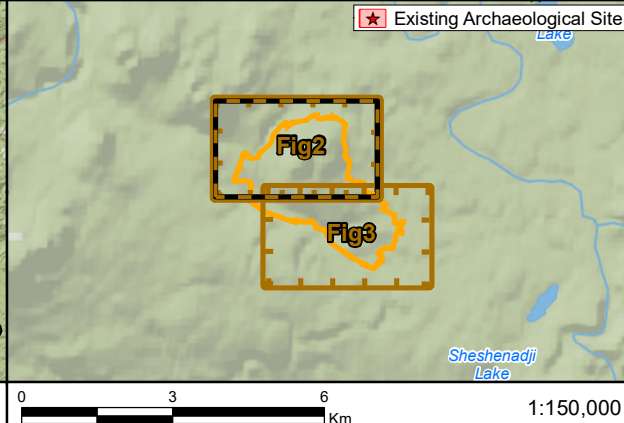
- ☒ Detailed Development Map (Figures 2-3)
- ☐ Subsurface Test Log
- ☐ Site Forms, Site Maps and Related Documents
- ☐ Other Details:





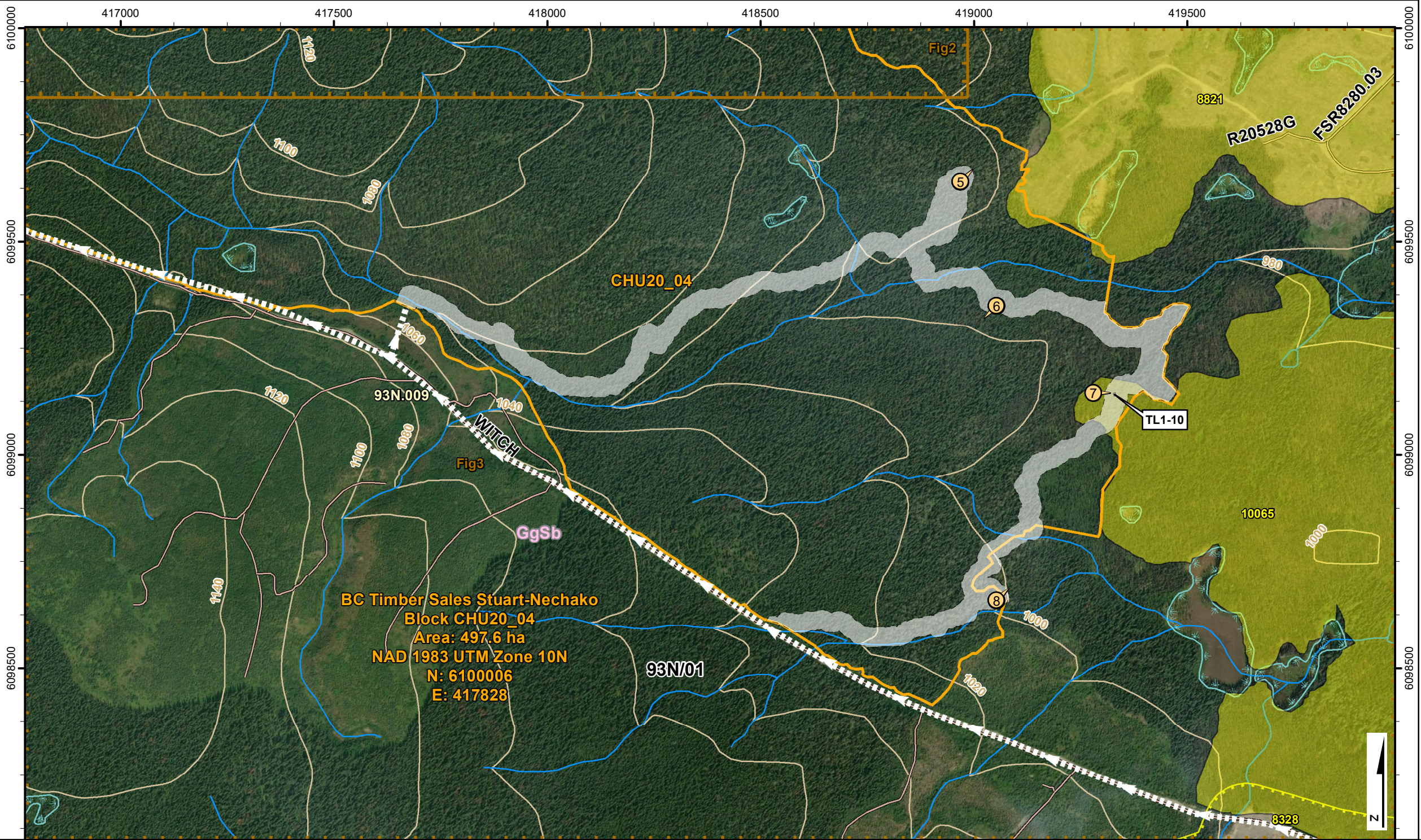
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Archaeological Impact Assessment
BC Timber Sales Stuart-Nechako
Block CHU20_04
Detailed Results Map



- MapTile
 - Tree blaze
 - Subsurface Testing
 - Archer Survey
 - Archer Access
 - Study Area
 - Road Gravel
 - Water Body
 - Intermittant Water Body
 - Wetland
 - Contour (20 m)
- ① Photo Location
 - BCGS Mapsheet
 - Borden Grid (archaeology)
 - NTS Mapsheet

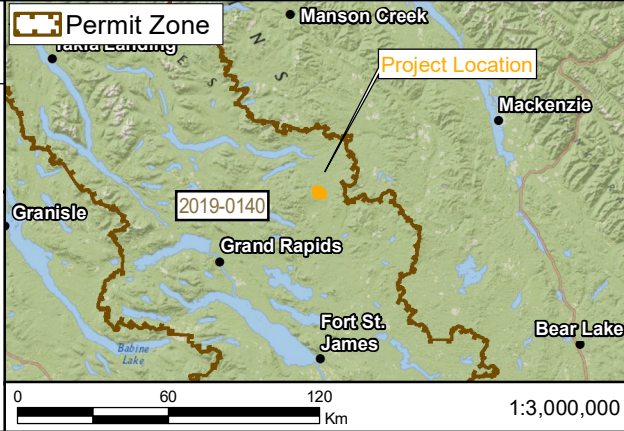
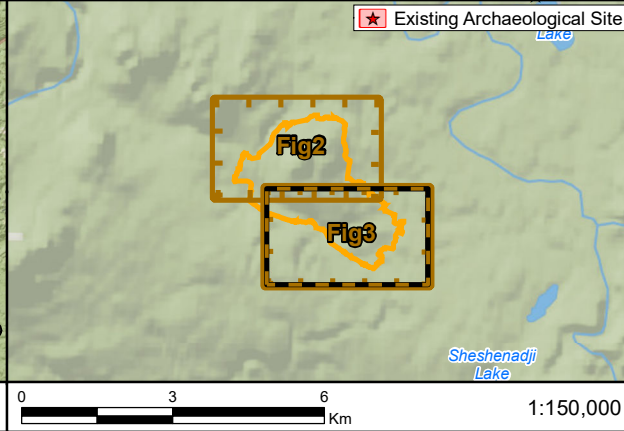
Archer Project:	13409		
Proponent:	BC Timber Sales Stuart-Nechako		
HCA Permit:	2019-0140 (Sec. 12.2)		
OGC AMS AA#:	N/A		
Surveyor's File:	N/A		
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Archaeological Impact Assessment
BC Timber Sales Stuart-Nechako
Block CHU20_04
Detailed Results Map

Figure: 3 **Page: 9**



- MapTile
- Subsurface Testing
- Archer Survey
- Archer Access
- Study Area
- Prior Archer Project (Desktop)
- Prior Archer Project (Fieldwork)
- Road Gravel
- Water Body
- Intermittant Water Body
- Wetland
- Contour (20 m)
- Photo Location
- BCGS Mapsheet
- Borden Grid (archaeology)
- NTS Mapsheet

Archer Project:	13409		
Proponent:	BC Timber Sales Stuart-Nechako		
HCA Permit:	2019-0140 (Sec. 12.2)		
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0	Original		04-Dec-2020