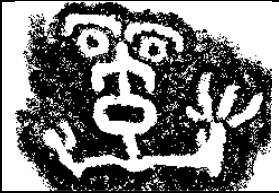


BRITISH COLUMBIA ARCHAEOLOGICAL IMPACT ASSESSMENT INTERIM REPORT FORM



1. REPORT TITLE

2019-0140-13401	<i>Archaeological Impact Assessment of Proposed Stuart-Nechako British Columbia Timber Sales Cutblock AIR20_04.</i>
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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 Stuart-Nechako British Columbia Timber Sales (BCTS). 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 the VRI data of a tree stand of sufficient age to produce pre-1846 CMTs.	
2.3	<i>Results:</i>	
	A total of 24 subsurface tests were placed at two locations exhibiting archaeological potential. All subsurface tests returned negative results for archaeological materials. No additional areas of subsurface archaeological potential, archaeological sites or other cultural heritage resources protected under the <i>Heritage Conservation Act</i> (HCA) were identified as a result of this study.	
2.4	<i>Management Recommendations:</i>	
	Our visual inspection and subsurface testing program of the proposed BCTS Stuart Nechako Cutblock AIR20_04 did not result in the identification of archaeological or other cultural heritage remains protected under the <i>Heritage Conservation Act</i> (HCA). 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 harvest, 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.	

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>	Nicole Jackman			
3.6	<i>Interim Report Date & Version:</i>	August 10, 2020			
3.7	<i>Notification of Work Date:</i>	May 11, 2020: • Binche Whut'en First Nation			

		<ul style="list-style-type: none"> • McLeod Lake Indian Band • Nak'azdli Whut'en First Nation • Takla First Nation • Tl'azt'en First Nation • West Moberly First Nation
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4. PROPOSED DEVELOPMENT

4.1	Description:	British Columbia Timber Sales Stuart-Nechako Business Area proposed cut block AIR20_04 <ul style="list-style-type: none"> • Logging block for timber harvest (78 ha)
4.2	Location:	The development is located southwest of Tchentlo Lake, northeast of Glaucers Lake, and immediately east of the Driftwood FSR. The study area is specifically situated at NAD 83 UTM Zone 10N UTM Coordinates (approximate center) E: 357874 N: 6119575.

5. FIELD CREW

Table 1. Field Crew

Date (dd/mm/yy)	Field Director (on site? Y/N)	Field Supervisor	Other Field Personnel
21/06/20	Marina Russell (Y)	N/A	Tanner Humphreys
22/06/20	Marina Russell (Y)	N/A	Tanner Humphreys

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 11; July 30, 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 protected CMTs. Information used during the review included Remote Access to Archaeological Data (RAAD), 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 in the Vicinity 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>
GhSh-2	2602 m southwest	Traditional Use – Culturally Modified Tree	2007-140	N
GhSh-1	3433 m northwest	Takla Lake-Tchentlo Lake Trail (portage)	No permit	N

6.2. In-field Methodology

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

Date Accessed: June 21 & 22, 2020

During the field assessment the study area was visually assessed by one crew with three 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 (eroded 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 23 to 29 cm, at which point hard-packed glacial sediments were encountered and the test was discontinued. All sediments from the evaluations 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>	2	6.2.2	<i>Crew Spacing:</i>	10-20 m
6.2.3	<i>Other:</i>	Transects were spaced according to archaeological potential, forest/vegetation density and ground surface visibility.			

6.3. In-field Observations

Terrain through the block is generally sloping with a dominant eastern aspect. Well-defined west-facing landforms were noted along the small lake along the western boundary, including a short terrace and a small knoll. Streams are ephemeral and gullies were dry at the time of survey. The forest cover consists of a mix of spruce, sub-alpine fir and lodgepole pine. The understory includes alder, thimbleberry, Devil's club, blueberry, cranberry, black gooseberry, mountain ash, false Solomon's seal, hellebore, rose, Saskatoon berry and colt's foot.

The block was flagged at the time of survey. Portions of the block have been subject to recent wildfire. A firefighting trail, flagged and dated to August 17, 2018, was observed near TL1. Two recent blazed trees were noted in the southwest, and an animal den in the northeast as illustrated on Figure 1.

6.4. Results

A total of 24 subsurface tests were completed at two 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	Short, rocky terrace overlooking a small lake & wetland 15 m west. Judgemental shovel testing was employed.	The top duff layer has been burned by 2018 wildfire. Stratigraphy is uniform throughout as follows: 0-6 cm organics; 6-15 cm light grey silt; 15-25 cm orange-brown silt; 25-29 cm orange-brown compact silt & 70% cobbles.	11 x 7 m	14	0	14
TL2	West-facing, rocky knoll overlooking a small lake & wetland 45 m west. Judgemental shovel testing was employed.	Stratigraphy is uniform throughout as follows: 0-5 cm duff & organics; 5-9 cm light grey silt; 9-21-23 cm orange-brown compact silt & 80% cobbles.	5 x 5 m	10	0	10

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

Nicole Jackman, M.A., RPCA
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 Stuart-Nechako British Columbia Timber Sales Cut Block AIR20_04*. HCA Permit 2019-0140. ARCHER CRM Partnership file #13401, Submitted to Stuart-Nechako British Columbia Timber Sales. 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	BC Archaeology Branch PO Box 9816 Stn Prov Govt, Victoria, BC V8W 9W3

11. SHAPE FILES

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

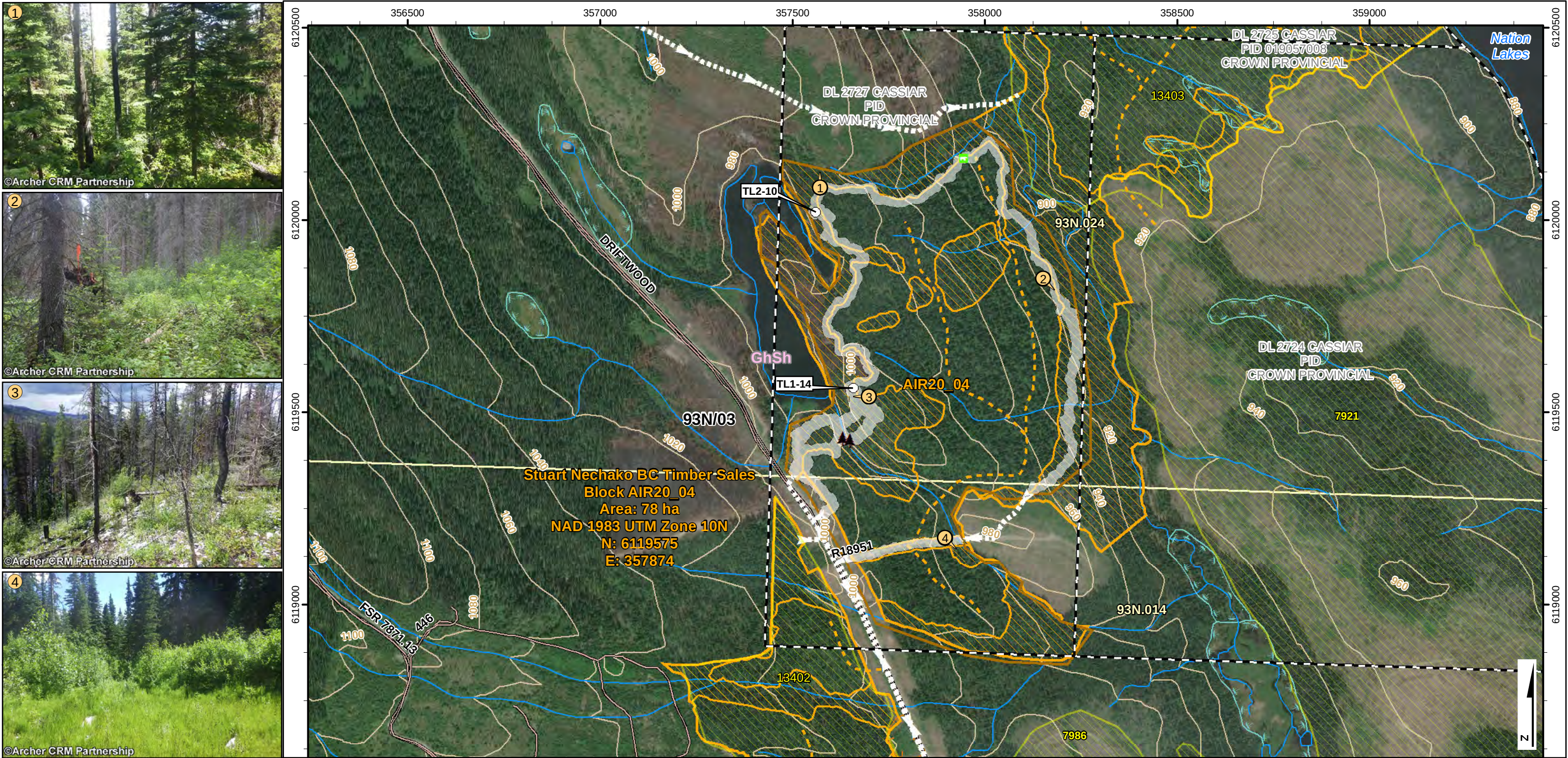
12. APPENDICES

Required:

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

If Applicable:

- ☒ Detailed Development Map (Figure 1)
- ☐ Subsurface Test Log
- ☐ Site Forms, Site Maps and Related Documents
- ☐ Other Details:





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Archaeological Impact Assessment

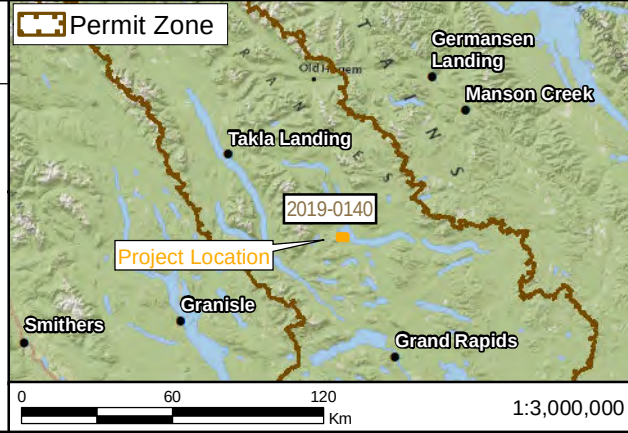
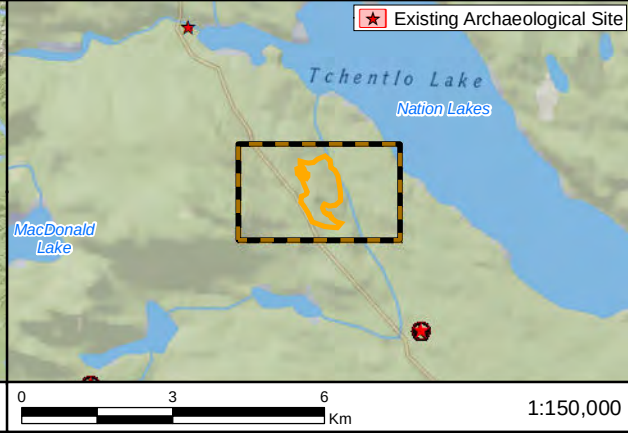
Stuart Nechako BC Timber Sales

Block AIR 20_04

Detailed Results Map

Figure: 1

Page: 6



- Tree blaze
- Animal Den
- Land Parcel
- Archer Survey Area
- Archer Previous Project
- Study Area - Recce
- Block Road
- WTP
- Study Area - Final
- Road Gravel
- Gravel Pit
- Water Body
- Wetland
- Contour (20 m)
- Photo Location
- BCGS Mapsheet
- Borden Grid (archaeology)
- NTS Mapsheet

Archer Project:	13401		
Proponent:	Stuart Nechako BCTS		
HCA Permit:	2019-0140 (Sec. 12.2)		
OGC AMS AA#:	N/A		
Surveyor's File:	N/A		
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Version	Detail	Reviewed by:	Date
0	Original		10-Aug-2020