

# BRITISH COLUMBIA ARCHAEOLOGICAL IMPACT ASSESSMENT INTERIM REPORT FORM



## 1. REPORT TITLE

|                 |                                                                                                     |
|-----------------|-----------------------------------------------------------------------------------------------------|
| 2019-0140-13407 | Archaeological Impact Assessment of British Columbia Timber Sales Stuart-Nechako Cutblock CHU20_01. |
|-----------------|-----------------------------------------------------------------------------------------------------|

## 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 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>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |     |
|     | <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 area of subsurface archaeological potential (AOP1) was identified outside of the proposed block boundary as illustrated on Figure 1 and described in Table 3. No shovel testing was conducted at the AOP. A single blazed tree was also identified also illustrated on Figure 1.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |     |
| 2.4 | <i>Management Recommendations:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |     |
|     | <p>Our visual inspection of the proposed BCTS Stuart Nechako Cutblock CHU20_01 did not result in the identification of archaeological or other cultural heritage remains protected under the <i>Heritage Conservation Act</i> (HCA). However, one area of archaeological potential was observed and recorded. The recommendations for AOPs are as follows:</p> <p><b>AOP1</b> may be impacted by timber harvest and related activities:</p> <ol style="list-style-type: none"> <li>1. If the AOP is to be subject to timber harvest and/or other ground altering activities, additional archaeological assessment including shovel testing will be required.</li> <li>2. Alternatively, each AOP may be avoided by excluding it from the harvest area and implementing a 30 m machine free buffer around the AOP.</li> </ol> <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 | Permit Holder:                 | Frank Craig<br>f.craig@archercrm.ca                                                                                                                                                                                            | 3.2 | Permit Holder Affiliation: | ARCHER CRM Partnership<br>T: 250-567-9496 |
| 3.3 | Proponent Contact:             | David Zurevinski<br>David.Zurevinski@gov.bc.ca                                                                                                                                                                                 | 3.4 | Proponent Affiliation:     | BCTS Stuart Nechako<br>T: 250-567-6331    |
| 3.5 | Interim Report Author(s):      | Marina Russell                                                                                                                                                                                                                 |     |                            |                                           |
| 3.6 | Interim Report Date & Version: | December 10, 2020, V1                                                                                                                                                                                                          |     |                            |                                           |
| 3.7 | Notification of Work Date:     | May 11, 2020: <ul style="list-style-type: none"> <li>• Halfway River First Nation</li> <li>• McLeod Lake Indian Band</li> <li>• Nak'azdli Whut'en Band</li> <li>• Takla Nation</li> <li>• West Moberly First Nation</li> </ul> |     |                            |                                           |

### 4. PROPOSED DEVELOPMENT

|     |              |                                                                                                                                                                                                                                              |
|-----|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 4.1 | Description: | British Columbia Timber Sales Stuart Nechako Business Area CHU20_01 <ul style="list-style-type: none"> <li>• Cutblock for timber harvest</li> <li>• Total area 42.1 ha</li> </ul>                                                            |
| 4.2 | Location:    | The development is located west of Mount Milligan, southwest of the North Road bridge over the Nation River and northeast of Gidegingla Lake. It is situated at NAD 83 UTM Zone 10 UTM Coordinates (approximate center) E: 427434 N: 6115783 |

### 5. FIELD CREW

Table 1. Field Crew

| Date<br>(dd/mm/yy) | Field Director<br>(on site? Y/N) | Field Supervisor | Other Field Personnel        |
|--------------------|----------------------------------|------------------|------------------------------|
| 15/10/20           | Marina Russell (Y)               | N/A              | Greg Kelto, Gene Kristiansen |

### 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 16, 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 &amp; Direction from the Proposed Development</i> | <i>Site Type</i>                                                   | <i>Permit No. of Previous Visits</i> | <i>Site in Conflict (Y/N)</i> |
|-------------------|---------------------------------------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------------|
| GhSa-1            | 942 m west                                                    | PRECONTACT – Subsistence Feature – Cultural Depression – Cache pit | 2015-078                             | N                             |

## 6.2. In-field Methodology

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

Date Accessed: October 15, 2020

During the field assessment the study area was visually assessed by one crew of 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.

One area of subsurface archaeological potential was observed adjacent to the proposed study area, GPS marked and flagged, no subsurface testing was conducted.

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

|       |                         |                                                                                                                                                   |       |               |      |
|-------|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|-------|---------------|------|
| 6.2.1 | Number of Crew Members: | 3                                                                                                                                                 | 6.2.2 | Crew Spacing: | 5-20 |
| 6.2.3 | Other:                  | Transect spacing varied between 5 and 20 m according to in-field assessed archaeological potential, forest density and ground surface visibility. |       |               |      |

## 6.3. In-field Observations

The study area is situated across terrain which is generally featureless with patches of low-lying wet terrain in the northern two thirds of the study area. The southern terrain is elevated and generally featureless with dense deadfall. A portion of sloping terrain separates the two sections of the block. Along the southeastern proposed boundary, the terrain drops off steeply to an unnamed stream. This stream transects the block and within the study area is better defined as a low-lying wet area with no definable stream bed or flowing water.

Forest cover throughout the study area consists of lodgepole pine, hybrid spruce, subalpine fir with some trembling aspen. Understory is comprised of bunchberry, cranberry, soapberry, alder, Labrador tea, Devil's club, lichen, moss, grass, ground cedar, princes pine, clubmoss, colt's foot, gooseberry and twinberry.

The block was not flagged at the time of assessment. A modern flagged cut line was identified during the assessment, likely associated with mining in the area and a single blaze, shown on Figure 1.

## 6.4. Results

One area of subsurface archaeological potential was identified adjacent to the block as illustrated in Figure 1 and described in Table 3 below. No shovel testing was conducted at the AOP as it is located 60 m outside of the proposed block boundary. No archaeological sites or other cultural heritage resources protected under the *Heritage Conservation Act* (HCA) were identified.

**Table 3. Locations identified as having archaeological potential (not subject to impact assessment)**

| AOP ID# | Orientation                        | Description                                                                                                                                                                                                                                                                                                                        | Dimensions (m) (L x W) |
|---------|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| AOP1    | North-Northeast by South-Southwest | A terrace elevated a minimum of 50 m above an ephemeral stream. At the time of assessment, no water was present. The AOP is located approximately 60 m outside of the proposed block boundary which was not flagged at the time of assessment. AOP boundary has been flagged with purple ribbon around its perimeter in the field. | 45 m x 15 m            |

## 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\_01.

HCA Permit 2019-0140. ARCHER CRM Partnership file 13407. Submitted to British Columbia Timber Sales Stuart Nechako. Copies on file at the Archaeology Branch, Victoria, BC.

## 10. REPORT DISTRIBUTION

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

## 11. SHAPE FILES

- ☒ Study area shape files have been sent to [archsitereform@gov.bc.ca](mailto:archsitereform@gov.bc.ca). Study area shapefiles will be submitted on the anniversary date of the Permit

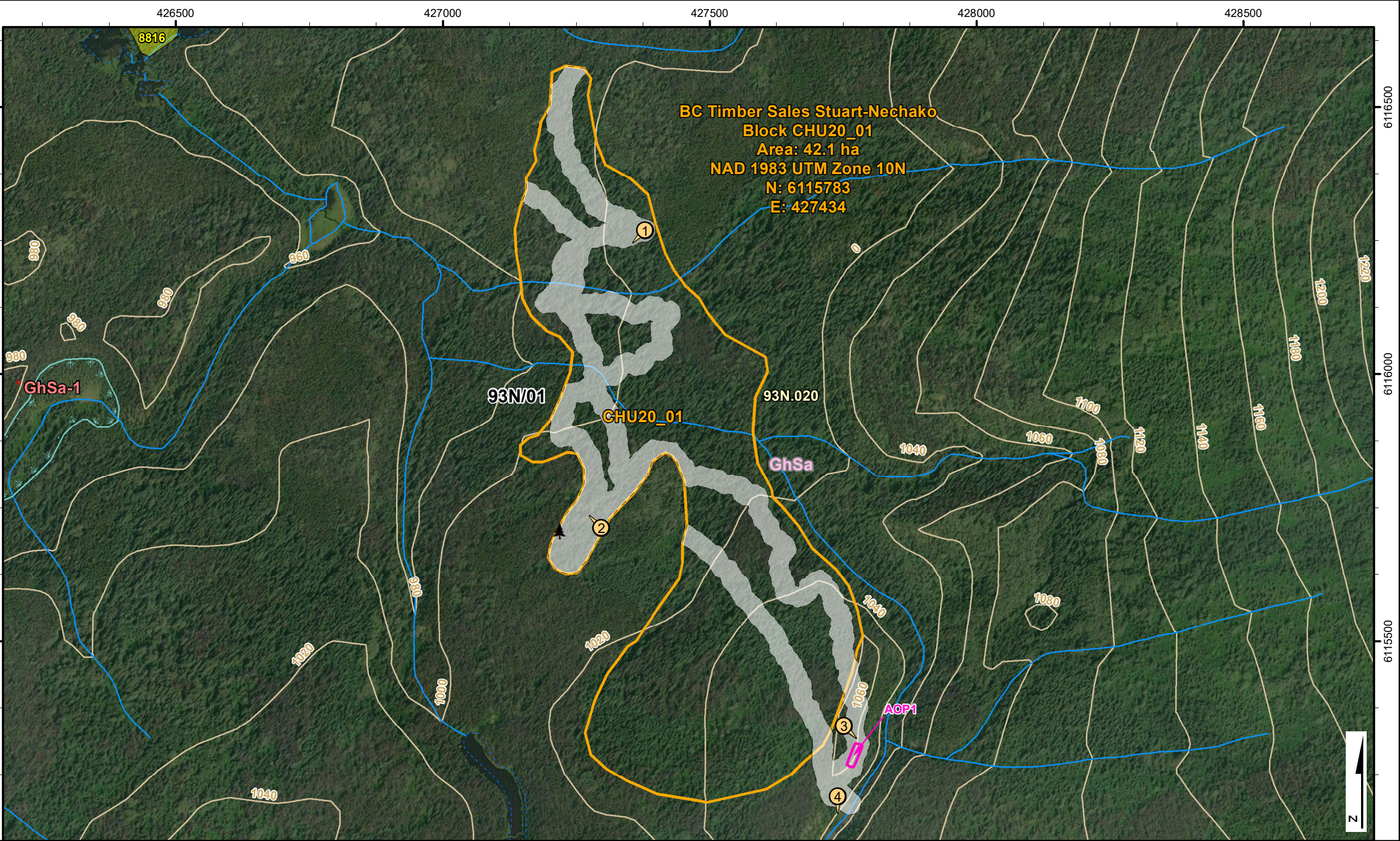
## 12. APPENDICES

### 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:

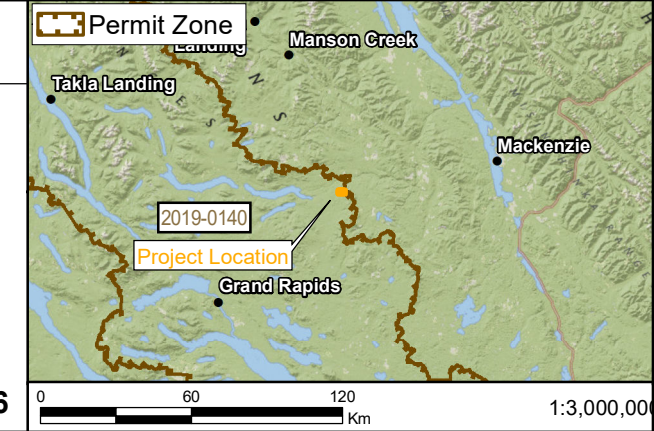
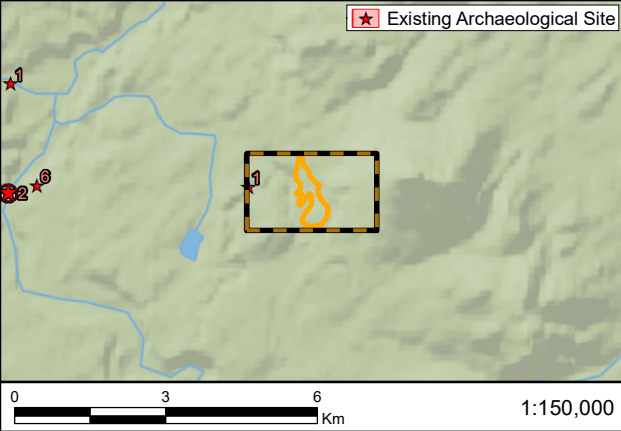




**Archaeological Impact Assessment**  
**BC Timber Sales Stuart-Nechako**  
**Block CHU20\_01**  
**Detailed Results Map**

**Figure: 1**

**Page: 6**



- Tree blaze
- Archaeological Potential - Verified
- Archer Survey
- Study Area
- Existing
- Archaeological Site (location unverified)
- Prior Archer Project (Fieldwork)
- Water Body
- Intermittant Water Body
- Wetland
- Contour (20 m)
- Photo Location
- BCGS Mapsheet
- Borden Grid (archaeology)
- NTS Mapsheet

| Archer Project:                                                                                                                                                                                                                                                                                                                                                                                                      | 13407                          |              |             |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|--------------|-------------|
| 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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| Version                                                                                                                                                                                                                                                                                                                                                                                                              | Detail                         | Reviewed by: | Date        |
| 0                                                                                                                                                                                                                                                                                                                                                                                                                    | Original                       |              | 04-Dec-2020 |
|                                                                                                                                                                                                                                                                                                                                                                                                                      |                                |              |             |
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