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Archaeological Overview Assessment for TA1918

Project Information			
Client	BC Timber Sales- Williams Lake	Report Date	June 23rd, 2021
Contact	Chengdong Fang, RPF	HCA Permit #	2020-0348
Address	200-640 Borland Street Williams Lake, BC V2G 4T1	HCA Project Officer	Corey Cookson
		Ridgeline File #	21429
Phone	250-302-5618	Land Status	Crown
Email	chengdong.fang@gov.bc.ca	UTM	10 U 608485 5835383
Report Author	Mary Simonds	Map Sheet	093A/11

Development Information	
Timber Supply Area TA1918	TA1918- Timber Supply Area consists of eight (8) separate proposed forestry cut blocks (see Figure 1). The 8 blocks are identified as follows: Field Assessment recommended: TA1918-CAR-153, CAR-155, CAR-160, CAR-162, CAR-178, CAR-176, CAR-177, and CAR-180
Location Directions	TA1918 is a cluster of eight (8) blocks located near point approximately 6.4 km southwest of Badger Peak, 11.3 km south of Cariboo Lake, and 8.2 km north of Spanish Lake. From the intersection of Keithley Creek Rd and Cedar Creek Rd in the community of Likely, take Keithley Creek Rd southeast and follow for 6 km. Turn right onto Rosette Lake Rd and follow for 7.2 km. From this point the development can be access by utilizing a network of spur roads to the north and east.

Management Summary

At the request of BC Timber Sales- Williams Lake, Ridgeline Archaeology conducted an Archaeological Overview Assessment (AOA) for eight (8) proposed cut-blocks in TSL TA1918 in the Cariboo-Chilcotin NRD.

Archaeological potential was drafted from the accepted AOA models available on RAAD which indicates area of High Archaeological potential (mapped in purple). These models factor in, among other data, known sites, terrain features, distance to significant hydrological features and known archaeological behaviors of the local First Nations. The concerns of local First Nations Groups were also considered while conducting this AOA.

A desktop review indicated that all eight (8) proposed developments do contain high archaeological potential and require a field visit and a Preliminary Field Reconnaissance of Archaeological Impact Assessment should be scheduled.

Regardless of any recommendations made in this AOA report or after any field archaeological assessments, should any archaeological materials be encountered during proposed development activities then those activities must cease in that area immediately and the Archaeology Branch of British Columbia must be notified.

Known Archaeological Sites within 5000m				
Borden #	Distance	Site type	Potential for Impact	Recommendations
There are currently no known archaeological sites located within 5 km of the proposed TSL.				

Development Name: TA1918	
Desktop Methodology and Results	This proposed development was investigated using a comprehensive desktop analysis which considered the Remote Access to Archaeology Data (RAAD) online at the Archaeology Branch in Victoria. Archaeological sites within 5 km were identified and the online AOA was applied, and any previous archaeology permits were investigated. In addition, ortho-photographic maps, topographic maps and Lidar (if available) were analyzed. Historic records, archaeological research, and ethnographic information in the region were also considered when arriving at our recommendations. Portions of proposed developments TA1918-CAR-153, CAR-155, CAR-160, CAR-162, CAR-178, CAR-176, CAR-177, and CAR-180 were identified as containing high archaeological potential as found in the predictive model, due to the proximity to significant hydrological features. These areas are shown on the Figure 1 map in purple shading.
Slope / Aspect	Gentle to moderate slopes in the western portion of the TSL with varying grades between 15-60% on a general northwest aspect. The eastern portion of the TSL exhibits gentle to moderate grades ranging between 8-55% with variable aspects.
Hydrological Features	Cariboo River runs just to the west of the TSL and several of its tributaries, including Collins Creek, run throughout the western portion of the TSL. Seller Creek and its tributaries run through the northern and eastern portions of the development. Other named hydrological features in close proximity to the TSL include Blackbear Creek and Six Mile Creek. Named hydrological features are typically associated with higher archaeological potential, both statistically and because these tend to be more significant terrain features more identifiable and useful for travel.
Known Disturbances	Several roads and associated previously harvested cut blocks are present throughout the TSL.
Comments and Recommendations	BC Timber Sales – Williams Lake requested an archaeological assessment out of concern of impacts to any cultural heritage sites which may be located within this development footprint. Due to: a) Modelled high archaeological potential within and surrounding the eight proposed developments, b) The presence of significant hydrological features (names creeks), c) the concern expressed by local First Nations groups,

	The following proposed developments are recommended to be scheduled for field assessments: TA1918-CAR-153, CAR-155, CAR-160, CAR-162, CAR-178, CAR-176, CAR-177, CAR-180

Specific Proposed Development Recommendations		
Block Identifier	Size (ha)	Recommendations
TA1918-CAR-153	95.6	A field visit is recommended due to modeled areas of high archaeological potential within the southern, southwestern and northern portions of the development. This is due to the proximity to Collins Creek and Cariboo River.
TA1918-CAR-155	42.3	A field visit is recommended due to modeled areas of high archaeological potential within the western and central areas of the development. This is due to Cariboo River and a tributary of the Cariboo River that runs through the central portion of the development.
TA1918-CAR-160	16.4	A field visit is recommended due to modeled areas of high archaeological potential throughout the development due to Collins Creek and several of its tributaries flowing within and surrounding the development.
TA1918-CAR-162	62.5	A field visit is recommended due to modeled areas of high archaeological potential within the southern and western development due to the proximity to Collins Creek. As well, tributaries of Collins Creek run through the south of the development.
TA1918-CAR-178	47.6	A field visit is recommended due to modeled areas of high archaeological potential throughout the development due to its proximity to Seller Creek.
TA1918-CAR-176	25.5	A field visit is recommended due to modeled areas of high archaeological potential within the eastern portion of the development due to its proximity to Seller Creek.
TA1918-CAR-177	14.1	A field visit is recommended due to modeled areas of high archaeological potential along the western boundary of the development due to the proximity to Seller Creek and its tributaries.
TA1918-CAR-180	29.5	A field visit is recommended due to modeled areas of high archaeological potential within the western and northeastern portions of the development. This is due to the proximity to Seller Creek and its tributaries.

Notes and Caveats

Additional fieldwork may be necessary if the proposed development boundaries are revised to include areas that were not assessed under this AOA. No archaeological assessment is able to discern potential with 100% certainty; therefore, should field crews happen to encounter any CMTs, lithic materials, or any other archaeological materials

such as faunal remains (bones) than any disturbance causing activities in that vicinity should halt and the Archaeology Branch be contacted immediately.

This study was conducted solely as an archaeological review and was not intended to evaluate any traditional aboriginal use or rights to the area in question. The results of this research should not be considered valid for that purpose. This study has been conducted without prejudice to First Nations treaty negotiations, aboriginal rights, or aboriginal title.

All archaeological remains, whether recorded or unidentified, are protected by legislation and may not be altered, damaged, moved, excavated in, or disturbed in any way without a permit issued under the Heritage Conservation Act.

Works Cited

Heritage Conservation Act [RSBC 1996] Chapter 187, Victoria, BC.

Millenia Research Ltd.
1998 Archaeological Overview Assessment of a Portion of the Williams Lake Forest District. AOA layer available on RAAD.

Remote Access to Archaeological Data (RAAD)
2021 Accessed online on June 23rd, 2021.

Submitted To

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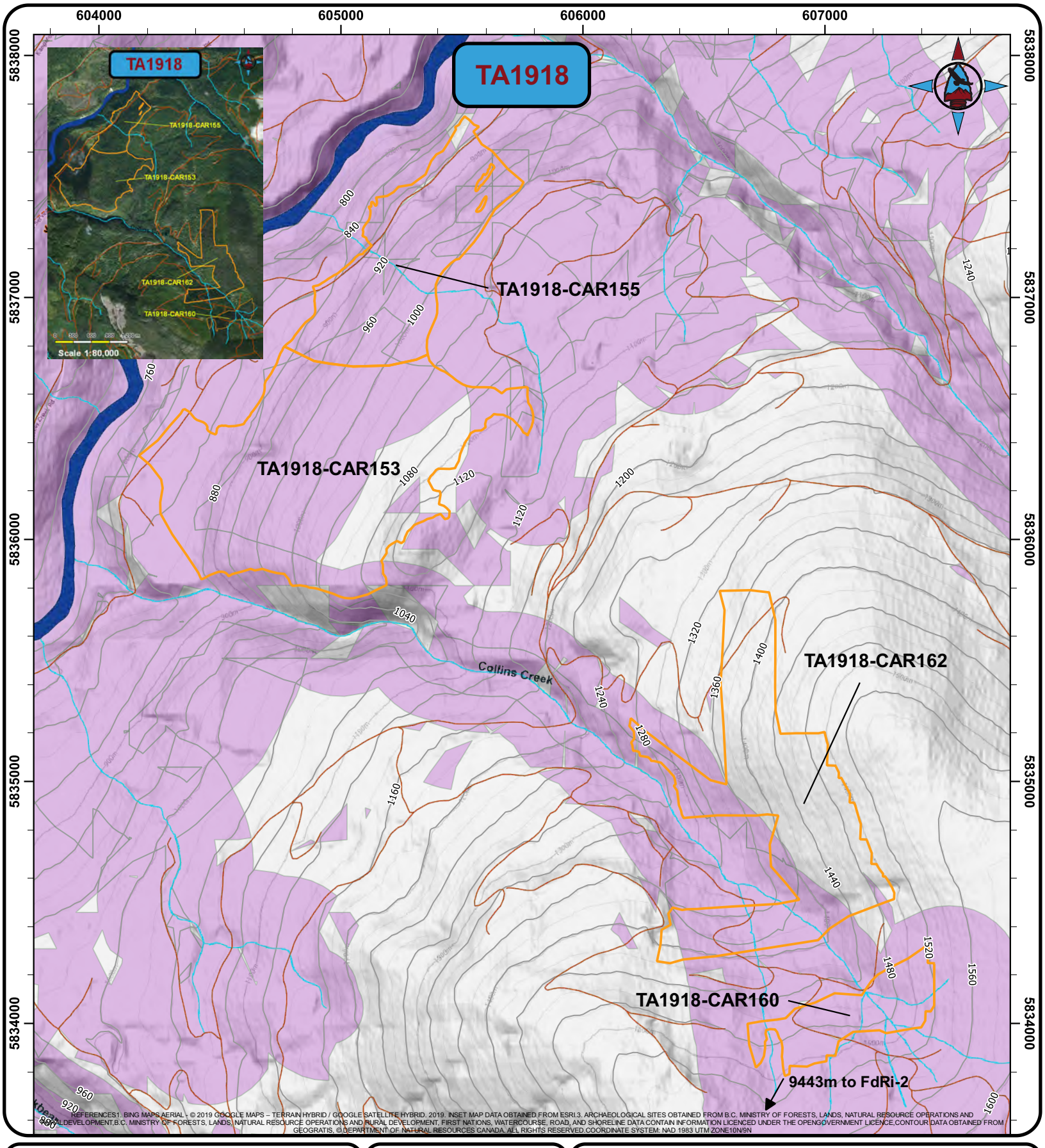

AOA Midrange Location

Client: BCTS - Williams Lake
Project Footprint: TA1918-CAR153; -CAR155; -CAR160; -CAR162
Project Area ha: 95.551, 42.254, 16.358, 62.489
HCA Permit #: 2020-0348
NTS #: 093A11

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FIGURE 1a

Previously recorded Archaeology Sites from RAAD (Jan 25, 2022)

Projection: EPSG:26910 - NAD83 / UTM zone 10N

Original map document size: 8.5" x 11"

LEGEND

- Project Footprint
- Predictive High Potential
- Lakes
- Rivers / Creeks
- Stream (Definite)
- Wetland
- Roads
- Contour Line

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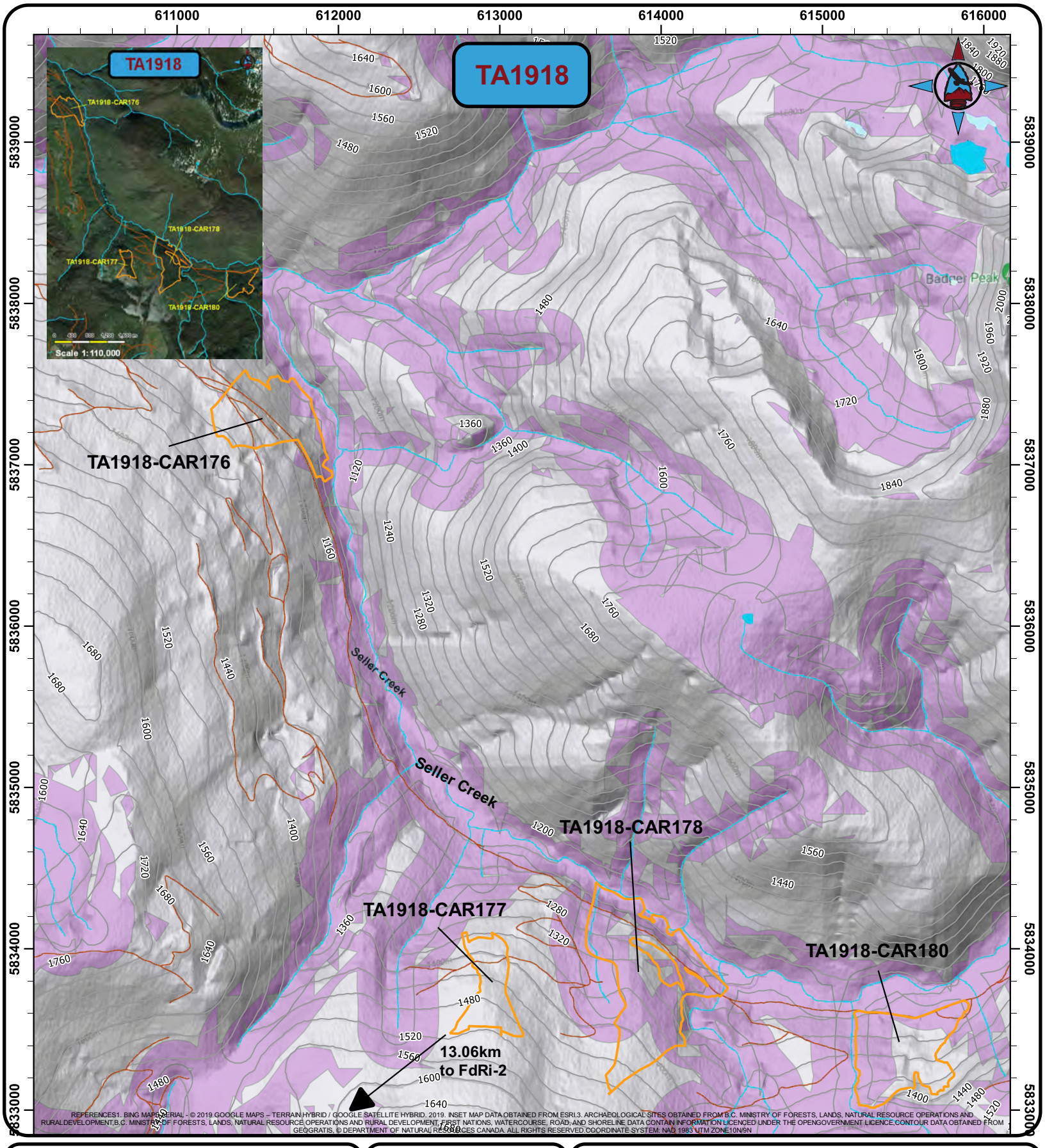
Scale 1:20,000

Date: 15/02/2022
Created By: 51476



AOA Midrange Location

Client: BCTS - Williams Lake
Project Footprint: TA1918-CAR176; -CAR177; -CAR178;-CAR180
Project Area ha: 25.461, 14.132, 47.579, 29.526
HCA Permit #: 2020-0348
NTS #: 093A11

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FIGURE 1b

Previously recorded Archaeology Sites from RAAD (Jan 25, 2022)

Projection: EPSG:26910 - NAD83 / UTM zone 10N

Original map document size: 8.5" x 11"

LEGEND

- Project Footprint
- Predictive High Potential
- Lakes
- Stream (Definite)
- Roads
- Contour Line

0 200 400 600 800 1,000 m
Scale 1:30,000

Date: 15/02/2022
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