

BRITISH COLUMBIA ARCHAEOLOGICAL IMPACT ASSESSMENT INTERIM REPORT FORM



1. REPORT TITLE

2018-0192-BCTS-003	Archaeological Impact Assessment of British Columbia Timber Sales Kokanee: Cut Blocks WAW-017 & WAW-018 and Proposed Roads.
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2. MANAGEMENT SUMMARY

2.1	Protected HCA Sites:	N/A
2.2	Brief Overview of Study: British Columbia Timber Sales (BCTS) requested an Archaeological Impact Assessment be completed on portions of the proposed forestry development Kokanee, Cut Blocks WAW-017 & 018 and Proposed Roads , in proximity to Archaeological Overview Assessment (AOA) polygon K10-62 . This assessment is based on the requirement by the Ministry of Forests, Lands, Natural Resource Operations (MoFLNRO) for inspection to occur within all forestry-related developments that overlap with areas of high and medium archaeological potential. The AIA was completed in order to identify archaeological resources that may be negatively impacted by the forestry development.	
2.3	Results:	Field inspections within the proposed Kokanee Cut Blocks WAW-017 & 018 produced negative results with no archaeological material or sites recorded.
2.4	Management Recommendations:	Tipi Mountain Eco-Cultural Services Ltd. (TMECS) recommends No additional investigations, or archaeological resource Management requirements for the proposed forestry development , provided development does not extend beyond the areas included within this impact assessment.

3. ADMINISTRATIVE INFORMATION

3.1	Permit Holder:	Andrea Thompson	3.2	Permit Holder Affiliation:	Tipi Mountain Eco-Cultural Services Ltd. (TMECS) Address: P.O. Box 957 Cranbrook B.C., V1C 4J6 Phone: (250) 420-2724 Email: Andrea@tipimountain.com
3.3	Proponent Contact:	Genevieve LaChance	3.4	Proponent Affiliation:	British Columbia Timber Sales (BCTS) Address: 1907 Ridgewood Road, Nelson, BC, V1L6K1

				Phone: (250) 825-1152 Email: Genevieve.Lachance@gov.bc.ca
3.5	Interim Report Author(s):	Dan Heinrichs		
3.6	Interim Report Date & Version:	February 12, 2018: V1		
3.7	Notification of Work Date:	October 25, 2017		
3.8	OGC Ref No.:			

4. PROPOSED DEVELOPMENT

4.1	Description:	<p>Forestry development within the Selkirk District of the Kootenay-Boundary Resource Management Zone. See <i>Appendix A</i> for details.</p> <p>Gross Cut Block Area (ha):</p> <ul style="list-style-type: none"> WAW-017: 60 ha WAW-018: 50 ha <p>Proposed Road/AOA polygon overlap (m):</p> <ul style="list-style-type: none"> KLPLKokanee7000: 0 m KLPLKokanee8500: 50 m
4.2	Location:	<p>The forestry related development is located within southeast British Columbia, on the west side of the Kokanee Creek drainage, approximately 17.8 km northeast of the City of Nelson and 13.2 km west-northwest of the unincorporated community of Balfour.</p> <p>Approximate Centroid Coordinate, UTM Zone 11U (NAD 83):</p> <ul style="list-style-type: none"> WAW-017: 490165 E / 5501596 N WAW-018: 489691 E / 5500122 N <p>Maps Sheets:</p> <ul style="list-style-type: none"> NTS:82F/11 BC Trim: 82F.065

5. FIELD CREW

Table 1. Field Crew

Date (dd/mm/yy)	Field Director (on site? Y/N)	Field Supervisor	Other Field Personnel
17/07/18	Andrea Thompson - (TMECS) – Y	-	Jason Feltham - (Ktunaxa Nation Council [KNC] TMECS) Corey Stevens (Shuswap Indian Band [SIB] TMECS) Darcey Goodwater (Okanagan Indian Band [OKIB])

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: The area of archaeological potential was previously identified within the Archaeological Overview Assessment of Landscape Unit K10 (Choquette ND), in which landform-based polygons (ranking medium and high) were identified as having the potential to contain archaeological sites. Polygons were identified by air photo analysis, and criteria derived from precontact land and resource use models developed for the upper Columbia River drainage.

- ☐ Previous field studies influenced this assessment

Details:

- ☒ Review of Provincial Heritage Register

Date Accessed: 25/10/17

- ☐ Other

Details:

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>
DjQg-6	124 m west	Historic, Industrial	1971-NP	N
DjQg-3	4.6 km south-southwest	Precontact, Cultural Material, Surface, Lithics	1971-0030	N
DjQg-13	4.6 km southwest	Data unavailable	N/A	N
DjQg-14	5 km south	Data unavailable	N/A	N
DjQg-15	5 km south	Data unavailable	N/A	N
DjQg-10	5.1 km southeast	Post-contact, Transportation, Marine, Shipwreck	1992-NP	N
DjQg-4	5.2 km south	Precontact, Cultural Material, Surface, Lithics	1972-NP 1989-0061	N

6.2. In-field Methodology

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

Date Accessed:

Describe if other: Subsurface testing was not implemented.

6.2.1	Number of Crew Members:	4	6.2.2	Crew Spacing:	5-10 m
6.2.3	Other:				

6.3. In-field Observations

WAW-017 & 018: In proximity but not overlapping with AOA polygon K10-62 along the western boundaries of both proposed cut blocks (See Appendix A: Figure 2). The portions of both blocks in immediate proximity to the AOA polygon – within 40 m of the block boundary – were surveyed. Terrain within the survey area consists of consistently sloping (~20°) ground surface with evidence of recent and past ground movement events (landslides and surface creep); sub-angular and sub-rounded rocks and boulders are evident throughout the survey area. Those portions of the blocks not immediately in proximity to the AOA polygon areas were visually assessed and were observed to be steeply sloping and irregular, and of low archaeological concern. No landforms or microtopographies were identified as having archaeological potential, thus no subsurface testing was implemented.

7. DISCLOSURE STATEMENT & SIGNATURE

TMECS recommends the proponent inform all staff and contractors that archaeological remains predating 1846, located on both public and private lands, or sites containing rock art or human burials, are automatically protected within the Province of British Columbia from intentional and inadvertent disturbance by the Heritage Conservation Act (RSBC 1996, Chapter 187).

To properly address any unanticipated discoveries of archaeological materials as a result of this development, ensure staff and contractors are aware of the following:

- All ground disturbance in the immediate vicinity of the suspected find(s) must be suspended at once,
- The Ministry of Forest, Lands and Natural Resource Operations, Archaeology Branch (250-953-3334) be informed, as soon as possible, of the location of the archaeological remains and the nature of the disturbance, and
- Any relevant First Nation communities are promptly informed about particulars of the unanticipated discoveries.

Acceptance of this interim report by Archaeological Branch, Permitting and Assessment Section only acknowledges the partial fulfillment of the terms and conditions of BC Heritage Inspection Permit 2018-0192. Such acceptance does not bring with it an obligation by the BC Archaeology Branch to accept report recommendations as they relate to impact assessments or impact management requirements.



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8. REFERENCES CITED

Heritage Conservation Act

1996 BC Law, Revised Statutes of British Columbia, Chapter 187.

Choquette, Wayne T.

ND Archaeological Overview Assessment of Landscape Unit 12, Kootenay Lake Forest District.
On file at TMECS.

9. REPORT DISTRIBUTION

Contact	Affiliation
Genevieve LaChance	BCTS
Eric Forgeng	Permit Officer: BC Arch Branch
Nathalie Allard	Ktunaxa Nation Council
Pauline Eugene	Shuswap Indian Band

10. SHAPE FILES

☒ Study area shape files have been sent to archsiteform@gov.bc.ca

11. APPENDICES

Required:

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

If Applicable:

- ☐ Detailed Development Map
- ☐ Subsurface Test Log
- ☐ Site Forms, Site Maps and Related Documents
- ☐ Other Details:

Appendix A

Forestry Development Maps

Heritage Conservation Act

Inspection Permit 2018-0192

Selkirk Natural Resource District

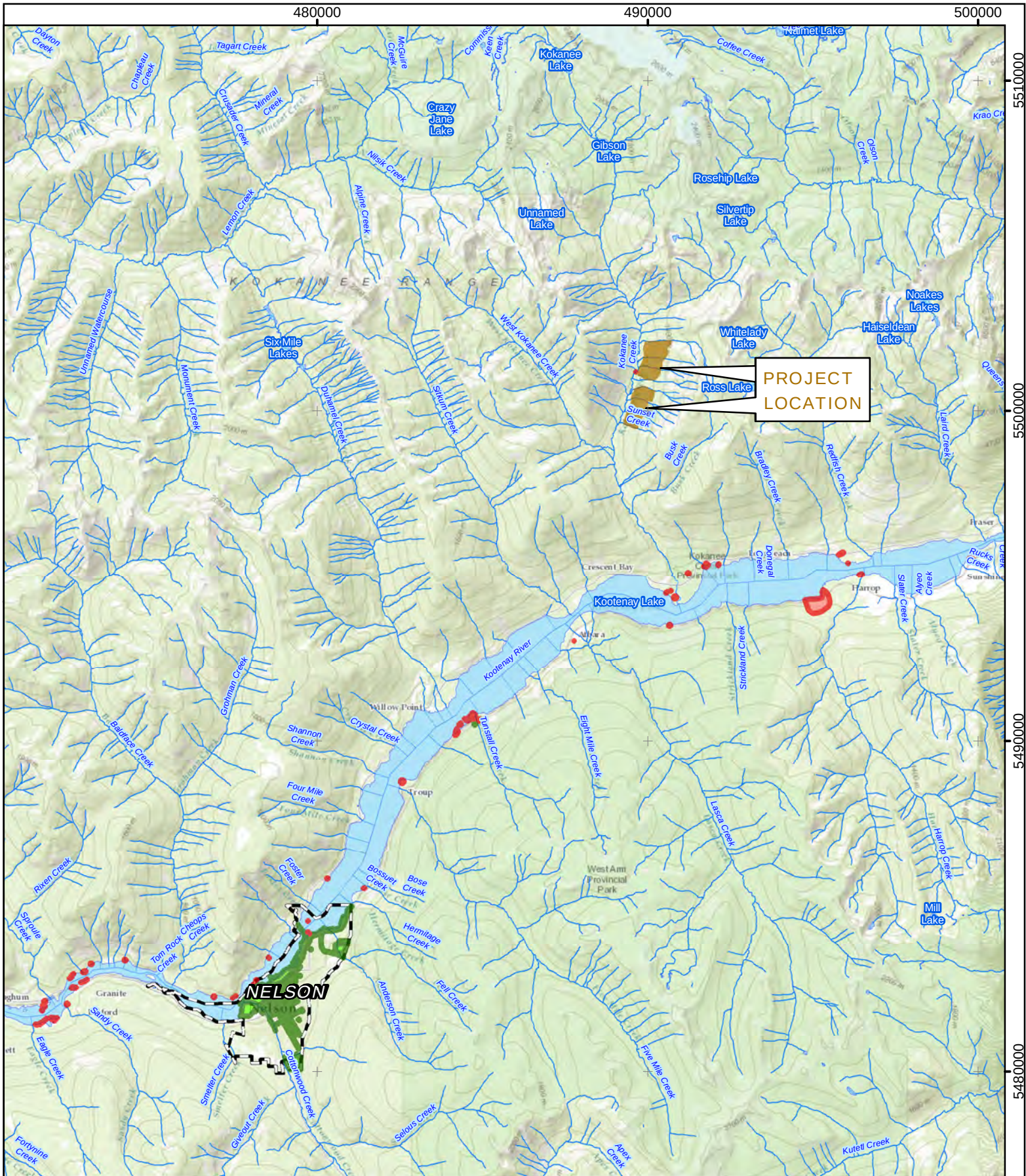


Figure: 1	Client:	UTM11 - NAD83 - NTS 82F11		Legend: Cut Block Precontact Arch Site Bdry (RAAD 2019) Historical Arch Site Bdry (RAAD 2019) Municipal Boundary River Lake Water Feature
Permit: 2018-0192	BCTS	BC AB		
Title:	Survey Date: 17/07/2018		Mapping by:	
AIA Results Overview	Mapping Date: 05/02/2019			
Project:	0 0.5 1 2 Kilometers	1:150,000		
WAW-017 & 018 Kokanee Creek		INSET 1:40,000,000		

Data Source: Base Data: DataBC/Base Map: ESRI/Arch Site: Arch Branch/Project: Client/Field: TMECS

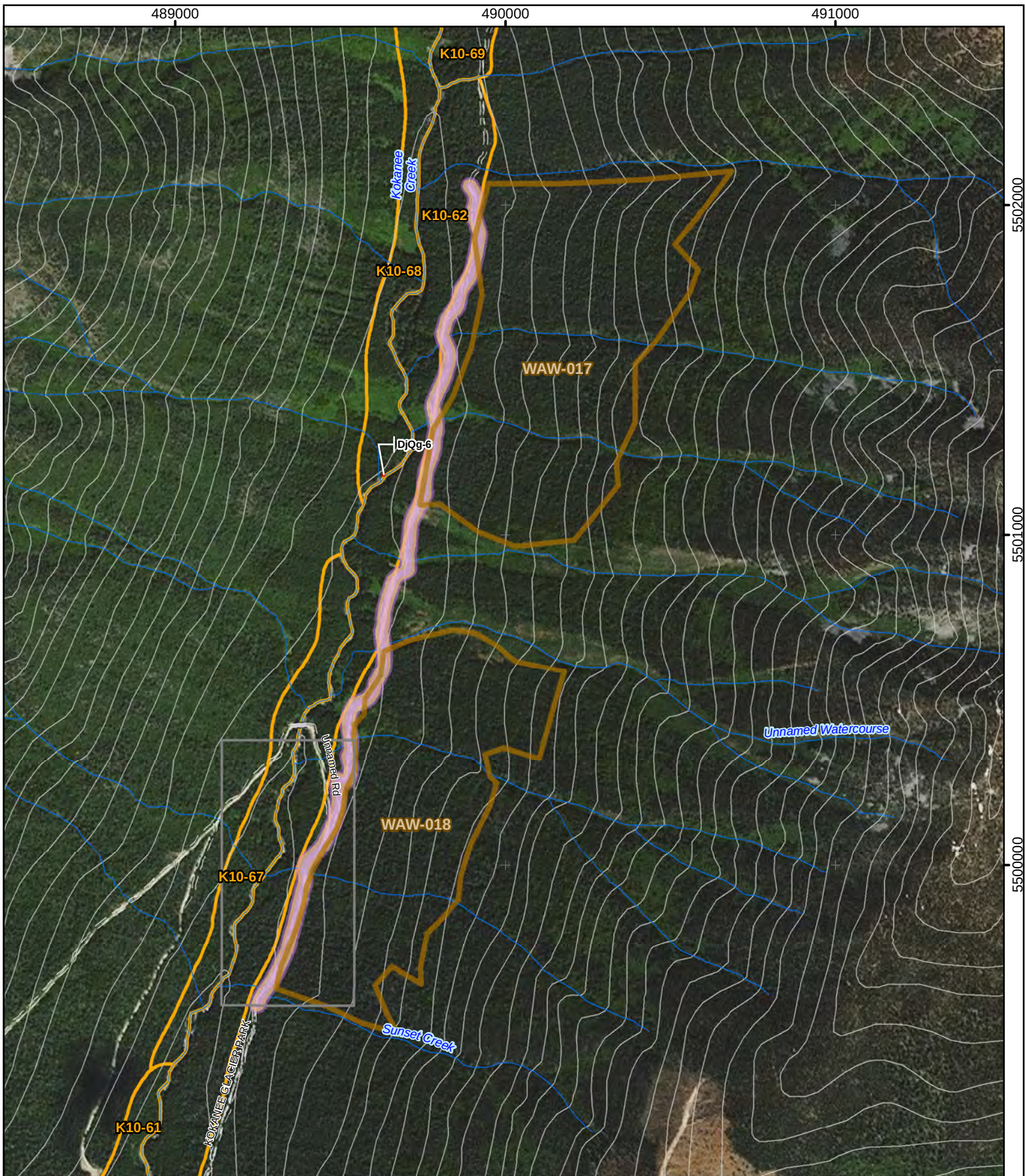
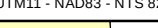


Figure: 2	Client:	UTM11 - NAD83 - NTS 82F11		Legend:  Cut Block  Traverse  Study Area (TMECS 2018)  Precontact Arch Site Bdry (RAAD 2019)  Cadastral Bdry  Primary Road  Gravel Road  Water Feature  Contour Line (40 m)  Arch Potential Area (AOA - Choquette)		
Permit: 2018-0192	BCTS					
Title:	Survey Date: 17/07/2018		Mapping by:			
AIA Results Midrange View	Mapping Date: 05/02/2019					
Project:	 0 100 200 400 1:15,000 Meters					
WAW-017 & 018 Kokanee Creek						

Data Source: Base Data: DataBC/Base Map: ESRI/Arch Site: Arch Branch/Project: Client/Field: TMECS

Appendix B

Photos

Heritage Conservation Act

Inspection Permit 2018-0192

Selkirk Natural Resource District



Photo 1: Representative photo of terrain observed and assessed within cut blocks WAW-017 & 018 (view: northeast)



Photo 2: Representative photo of land movement events encountered within the assessment areas, note the clasts exposed on ground surface (view: east)