

səmiqʷəʔelə

Archaeological Protocol

INTRODUCTION

kʷikʷəłəm First Nation (kFN) are the First Peoples of the Coquitlam Watershed and have lived at and cared for səmiqʷəʔelə, a core part of their ancestral lands for millennia.

səmiqʷəʔelə contains known archaeological sites and much of the property holds high potential for undocumented sites. Archaeological sites in British Columbia are protected under the *Heritage Conservation Act (HCA)*. Alterations to archaeological sites may proceed under appropriate *Heritage Conservation Act* permits held by professional archaeologists, under appropriate assessment guidelines and work plans. The *Heritage Conservation Act* prohibits the alteration or disturbance of archaeological sites in whole or in part, on public and private land, whether impacts are intentional or inadvertent, and irrespective of previous disturbance.

The **səmiqʷəʔelə Archaeology Protocol** references, and relies on, detailed information from both the [Heritage Conservation Act \(HCA\)](#) (1996, RSBC, Chap. 187) and the *kʷikʷəłəm First Nation Heritage Policy (kFNHP)* which is held and administered by *kʷikʷəłəm First Nation*. Amendments or updates to both the *Heritage Conservation Act* and the *kʷikʷəłəm First Nation Heritage Policy* apply to səmiqʷəʔelə, and consequently this Protocol.

The *Heritage Conservation Act* requires archaeological permits and work plans to be applied for, and created by, professional archaeologists. The kFNHP stipulates the right of the kʷikʷəłəm First Nation to approve heritage professionals working in their territory. The current kFNHP has identified Brown & Oakes Archaeology Ltd. as kʷikʷəłəm First Nation's preferred archaeologist for works within kFN traditional territory and sole archaeologist for səmiqʷəʔelə. Brown & Oakes Archaeology hold a *Heritage Conservation Act* Section 12.2 Heritage Inspection Permit in relation to səmiqʷəʔelə and are solely authorized to conduct Archaeological Impact Assessments and inspections in relation to Ground-Disturbing Works on-site.

BC Housing has implemented this **səmiqʷəʔelə Archaeological Protocol** to ensure that all Users, Visitors, and contractors on the səmiqʷəʔelə are aware of and adhere to the requirements set out by the *Heritage Conservation Act* and the *kʷikʷəłəm First Nation Heritage Policy* as they relate to ground disturbances on səmiqʷəʔelə.

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1. DEFINITIONS

- **“ARCHAEOLOGICAL IMPACT ASSESSMENT” or “AIA”** means a study conducted by a qualified professional archaeologist that assesses the archaeological significance of a land or property. An AIA is designed to gain the fullest possible understanding of archaeological resources which could be affected by the proposed project or works. Ideally, the AIA is initiated early to allow adequate time for the implementation of appropriate site-specific recommendations.
- **“ARCHAEOLOGY BRANCH”** means the Province of British Columbia’s administrative body that is responsible for maintaining and distributing archaeological information and issuing archaeological permits as required by the *Heritage Conservation Act*.
- **“EMERGENCY”** (for the purposes of the Emergency Works process) means an immediate issue that puts the health and safety of buildings, people, infrastructure, property, or the natural environment at risk. Failure to promptly respond to such an emergency would result in further damage, injury, or both.
- **“GROUND-DISTURBING WORKS”** means any work, operation, or activity on property that results in compaction, or disturbance of earth at any depth, or a change in the existing soil cover (vegetative and non-vegetative) and/or the existing soil topography that may result in runoff and lead to an increase in sediment erosion. Ground-disturbing activities include, but are not limited to, uprooting of plants, soil removal, site grading,

excavation/trenching, digging by hand or by machinery in topsoil, below grade foundation removal, drilling, bore hole testing, hydro vacuum excavation, post installation, etc.

- **“INFRACTION”** means any disregard or violation of the terms of this protocol agreement, or any damage, alteration, or destruction of archaeological materials protected under the Heritage Conservation Act. Infractions have escalating consequences: not following protocols may lead to filing of an incident report, while impacts to an archaeological site may be in contravention of the Heritage Conservation Act and may subsequently lead to an investigation by provincial Compliance and Enforcement which may be punishable by fines or jail.
- **“INFRASTRUCTURE PROJECTS”** means repair and maintenance projects requiring minor excavations as well as larger scale facilities projects involving trenching up to 200 linear metres and areal excavations up to 1,000 square metres.
- **“kwikwəʔəm CULTURAL HERITAGE AWARENESS PROGRAM”** means the program implemented by kwikwəʔəm First Nation with the purpose of providing education regarding:
 - the cultural history and aspirations of kFN as it applies to kFN territory and most specifically səmiqʷəʔelə;
 - the expectations and requirements of the kFNHP;
 - the expectations, requirements, enforcement, and penalties provided in accordance with the kFNHP; and
 - archaeological practices and codes of conduct required when working at or near archaeologically sensitive sites.
- **“MAJOR PROJECTS”** means new building construction, building demolition, or Infrastructure Projects requiring trench excavations greater than 2,000 linear metres or areal excavations exceeding 1,000 square metres.
- **“səmiqʷəʔelə”** (pronounced Suh-mEE-kwuh EL-uh) means “Place of the Great Blue Heron.” The name was given by the kwikwəʔəm People in 2021. This name replaces the former name of Riverview Lands, the namesake of the central hospital that closed in 2012. səmiqʷəʔelə entails all of the property legally described as:

Civic Address: 2601 Lougheed Highway, Coquitlam, BC V3C 4J2

Legal Description: Lot 1, District Lot 470 & 305, Group 1, NWD Plan LMP22802
PID: 023-052-716

- **“SMALL-SCALE PROJECTS”** means projects involving minor Ground -Disturbing Works for staging movie sets, signage, lighting, landscaping, gardening, temporary and/or permanent fence installations and other similar small-scale land altering works up to 200 linear metres trenching and up to 1,000 square metres areal excavation.

- “**USER**” means any person, company or corporation, group, tenant, licensee, developer, contractor, or similar entity that is active or is using any portion of səmiqʷəʔelə.
- “**VISITOR**” means any person, company or corporation, group, tenant, licensee, developer, contractor, or similar entity that is active or is using any portion of səmiqʷəʔelə.

2. RESPONSIBILITY OF USERS AND VISITORS

As archaeological sites are located in the area, and cultural materials may be exposed during ground-disturbing activities, all Users and Visitors of səmiqʷəʔelə are required to familiarize themselves with the Chance Find Procedure, as outlined in the Archaeology Chance Find Bulletin (included in **Appendix C**). It is of utmost importance that Users and Visitors watch for and document potential finds in accordance with this bulletin, by utilizing the səmiqʷəʔelə Incident Report Form in **Appendix E**. In the event that potential, or suspected, archaeological finds are exposed without archaeological oversight present, the guidelines in the Archaeology Chance Find Bulletin must immediately be implemented. For quick reference, the Chance Find procedure is as follows:

1. Stop work in the immediate area
2. Do not disturb the material
3. Report the finds to the site supervisor, and/or Brown & Oakes Archaeology
4. Await further direction

Note: The Chance Find Procedure is not a substitute for this **səmiqʷəʔelə Archaeological Protocol**. The Protocol must always be followed at səmiqʷəʔelə.

All Users and Visitors of səmiqʷəʔelə are required to abide by this **səmiqʷəʔelə Archaeological Protocol**, and follow the Chance Find Procedure.

In addition to the above, Users and Visitors of səmiqʷəʔelə proposing ground-disturbing works are required to complete the kwikwəʔəm Cultural Heritage Awareness Program. This orientation is to be completed prior to initiating land-altering activities and provides an overview of Chance Find Procedures as well as the cultural heritage and archaeological sensitivities at səmiqʷəʔelə.

3. PROHIBITION

BC Housing reserves the right to terminate any formal agreement Users or Visitors to the səmiqʷəʔelə have with BC Housing/PRHC should the **səmiqʷəʔelə Archaeological Protocol** not be followed. Further, should any User or Visitor, corporate entity or individual, be found in breach or violation of this **səmiqʷəʔelə Archaeological Protocol**, BC Housing/PRHC reserves the right to deny access to səmiqʷəʔelə to the subject User or Visitor for as long as BC Housing/PRHC deems applicable.

Infractions under the **səmiqʷəʔelə Archaeological Protocol** must be immediately reported using the səmiqʷəʔelə Incident Report Form contained in **Appendix E** which will be reviewed by kFN in relation to the kwikwəʔəm *First Nation Heritage Policy* and may result in additional

actions and/or restorative justice directly with the Nation. BC Housing/PRHC will work in coordination with kFN to implement any outcomes of kFN's infraction review.

4. PROCESS FOR ENGAGING IN GROUND-DISTURBING WORKS

Users and Visitors of səmiqʷəʔelə that are proposing Ground-Disturbing Works must complete the Archaeological Checklist contained in **Appendix D** upon contract signing for the proposed Ground-Disturbing Works and complete the kʷikʷəʔəm Cultural Heritage Awareness Program, at their own cost, **before proposing to conduct** any Ground-Disturbing Works.

Step 1: Outline proposed Ground-Disturbing Works

Users and Visitors of səmiqʷəʔelə proposing Ground-Disturbing Works are required to outline, in writing, the proposed Ground-Disturbing Works. At a minimum, the summary should include details relating to the;

- purpose of Ground-Disturbing Works proposed;
- location of Ground-Disturbing Works proposed;
- timing of Ground-Disturbing Works proposed – this must include each occurrence of ground disturbance for the duration of the Ground-Disturbing Works;
- nature of Ground-Disturbing Works proposed;
- depth of Ground-Disturbing Works proposed; and
- quantity of Ground-Disturbing Works proposed.

Construction techniques and technologies have varying degrees of disturbance on potential archaeological materials. Brown & Oakes Archaeology Ltd. will advise which techniques are most appropriate in certain circumstances.

Note: The səmiqʷəʔelə Archaeological Protocol described herein applies to Small-scale Projects and Infrastructure Projects on the səmiqʷəʔelə involving ground disturbances of less than 1,000 square metres and/or 200 linear metres of trenching.

Projects that exceed the scope of Small-scale Projects and/or Infrastructure Projects, such as new building construction, building demolition, and/or projects over 2,000 linear meters in area are considered Major Projects and will require a standalone permit. This standalone permit will need to be acquired from the Archaeology Branch by the professional archaeologist (Brown & Oakes Archaeology) identified within the *kʷikʷəʔəm First Nation Heritage Policy* on behalf of the User or Visitor. At time of writing, **standalone permits take a minimum of 8 months to acquire** from the Archaeology Branch. Users and/or Visitors proposing Ground-Disturbing Works that require a standalone permit must meet with Brown & Oakes Archaeology as early as possible. For proposed Ground-Disturbing Works that conflict with existing archaeological sites, additional requirements may be necessary.

Should proposed Ground-Disturbing Works for Small-scale Projects and/or Infrastructure Projects exceed 200 linear metres but are less than 2,000 linear metres

and/or are greater than 1,000 areal metres, these works may be allowed by the Arch Branch as a variance. The User or Visitor will follow the protocol outlined herein and acknowledge that this variance may be approved by the Archaeology Branch subject to kwikwəʔəm First Nation review or may be declined. If the variance is declined, the User or Visitor may need to acquire a standalone permit from the Archaeology Branch.

Step 2: Submit proposed Ground-Disturbing Works to archaeologist

Users and Visitors of the səmiqʷəʔelə / Riverview Lands proposing Ground-Disturbing Works are required to submit those proposed Ground-Disturbing Works to both BC Housing and the professional archaeologist (Brown & Oakes Archaeology) identified within the *kwikwəʔəm First Nation Heritage Policy* **as early as possible**, but no less than 40 days prior to any activities which may require a preconstruction assessment by the professional archaeologist prior to commencement of the subject activity. The Heritage Inspection Permit holder, Brown & Oakes Archaeology, is required to provide a notice of intent of the proposed Ground-Disturbing Works to all affected First Nations, other affected parties, and the Archaeology Branch a minimum of 30 days prior to approval of the proposed Ground-Disturbing Works.

Submissions can be made directly to Brown & Oakes Archaeology with a copy to the appropriate Users and Visitors BC Housing business area contact;

to: info@brownoakesarch.com
cc: BC Housing business area contact for relevant business area (i.e.: Film & Special Events, Redevelopment, Operations)

Step 3: Archaeologist review of permit requirements

The professional archaeologist (Brown & Oakes Archaeology) identified within the *kwikwəʔəm First Nation Heritage Policy* will review the information submitted regarding the proposed Ground-Disturbing Works to determine whether the Ground-Disturbing Works can proceed under the existing HCA Section 12.2 Heritage Inspection Permit for səmiqʷəʔelə, or whether additional HCA permits are required.

Note: Most Ground-Disturbing Works will require an Archaeological Impact Assessment (AIA) to be completed prior to the proposed activity.

An AIA will assess archaeological resources that may be within the location of the Ground-Disturbing Works and will set out impact management practices to be implemented when the Ground-Disturbing Works are underway. **All Users and Visitors proposing Ground-Disturbing Works should anticipate that, at a minimum, professional archaeological oversight at the time of conducting Ground-Disturbing Works will be a required outcome of the AIA.**

Step 4: Additional requirements

Users and Visitors proposing Ground-Disturbing Works that require additional studies to complete the appropriate permits are wholly responsible for all associated costs. Further, BC Housing makes no representations of certainty for any requirements. As such, Users and Visitors proposing Ground-Disturbing Works are wholly responsible for ensuring that all permit requirements under the *HCA* and *kFNHP* are met and are tasked with seeking out all supporting documentation required to achieve the appropriate approvals to meet the requirements of their proposed activity.

Users and Visitors are required to consult with kFN and the *kFNHP* archaeological consultants (Brown & Oakes Archaeology) when applying for additional permits. The use of archaeological consultants not identified by the *kFNHP* is prohibited.

Copies of all studies, applications, and permits that pertain to səmiqʷəʔelə obtained by any User or Visitor must be provided to BC Housing and kFN.

Users and Visitors proposing Ground-Disturbing Works are wholly responsible for any consultant fees, application fees, or other costs required to complete an AIA.

Step 5: Starting work

Once all permits required for Ground-Disturbing Works are in order and have been received by both BC Housing and kwikwəʔəm First Nation, the proposed activity may commence subject to the completion of the kwikwəʔəm Cultural Heritage Certification Program and/or an on-site kick-off meeting that is to include the attendance of kFN's archaeological consultant, Brown & Oakes Archaeology. Only the archaeological consultant identified by the *kFNHP*, in tandem with BC Housing, can waive the requirement for the on-site kick-off meeting.

Users and Visitors understand that each occurrence of Ground -Disturbing Works may require archaeological oversight including in areas previously disturbed, and regardless of whether archaeological oversight was previously provided.

If there is exposure or conflict with potential, or suspected, archaeological material during the Ground-Disturbing Works or as a result of an infraction under the **səmiqʷəʔelə Archaeological Protocol**, an investigation will be conducted by the Archaeology Branch. In the event of an infraction, the investigation by the Archaeology Branch does not preclude an investigation of the infraction by kFN or BC Housing. Infractions under the **səmiqʷəʔelə Archaeological Protocol** must be **immediately reported** using the səmiqʷəʔelə Incident Report Form contained in **Appendix E**.

5. EMERGENCY WORKS

Occasionally there are situations in which soil / ground disturbance is required for emergency reasons. The following steps outline the applicable emergency measures process to follow when these situations arise.

1. An emergency, for the purpose of this process, is a corrective action to address an immediate issue that puts the health and safety of buildings, people, infrastructure, property, or the natural environment at risk (ie. any type of excavation to address broken potable water lines). Failure to promptly respond to such an emergency would result in further damage, injury, or both.
2. Notify BC Housing and Brown & Oakes Archaeology as soon as possible:
 - a) by telephone:
 - i. BC Housing business area contact for relevant business area (i.e.: Film & Special Events, Redevelopment, Operations); and
 - ii. Nicole Oakes (778) 886-8200 and Doug Brown (778) 886-8300, leaving a voicemail if nobody answers; **and**
 - b) by email to info@brownnoakesarch.com with a copy to the relevant BC Housing business area contact (Film & Special Events, Redevelopment, Operations), and copying info@sumiqwuelu.com on all written correspondence.
3. If emergency Ground-Disturbing Works are required where archaeological oversight is not possible, proceed and document the works throughout the process with detailed photography (overview photo of the location including nearby landmarks) and detailed written notes using **Appendix E – səmiqʷəʔelə Incident Report Form**.
4. If Brown & Oakes Archaeology is able to attend to the Emergency incident partway through, follow direction received from Brown & Oakes Archaeology. Ensure that documentation and detailed photography are provided for the time that Brown & Oakes Archaeology was not present, utilizing **Appendix E**.

Documentation Control:

Revision	5
Date for Reference	February 5, 2024

AUTHORED BY:

- Provincial Director, Redevelopment – BC Housing
- Development Manager, Redevelopment (səmiqʷəʔelə, formerly Riverview Lands) – BC Housing

REVIEWED BY:

- Brown & Oakes Archaeology Archaeological Consultants
- kwikwəʔəm First Nation

6. APPENDICES:

Appendix A – Archaeological Protocol Application Process

Appendix B – Archaeological Protocol Process Flow

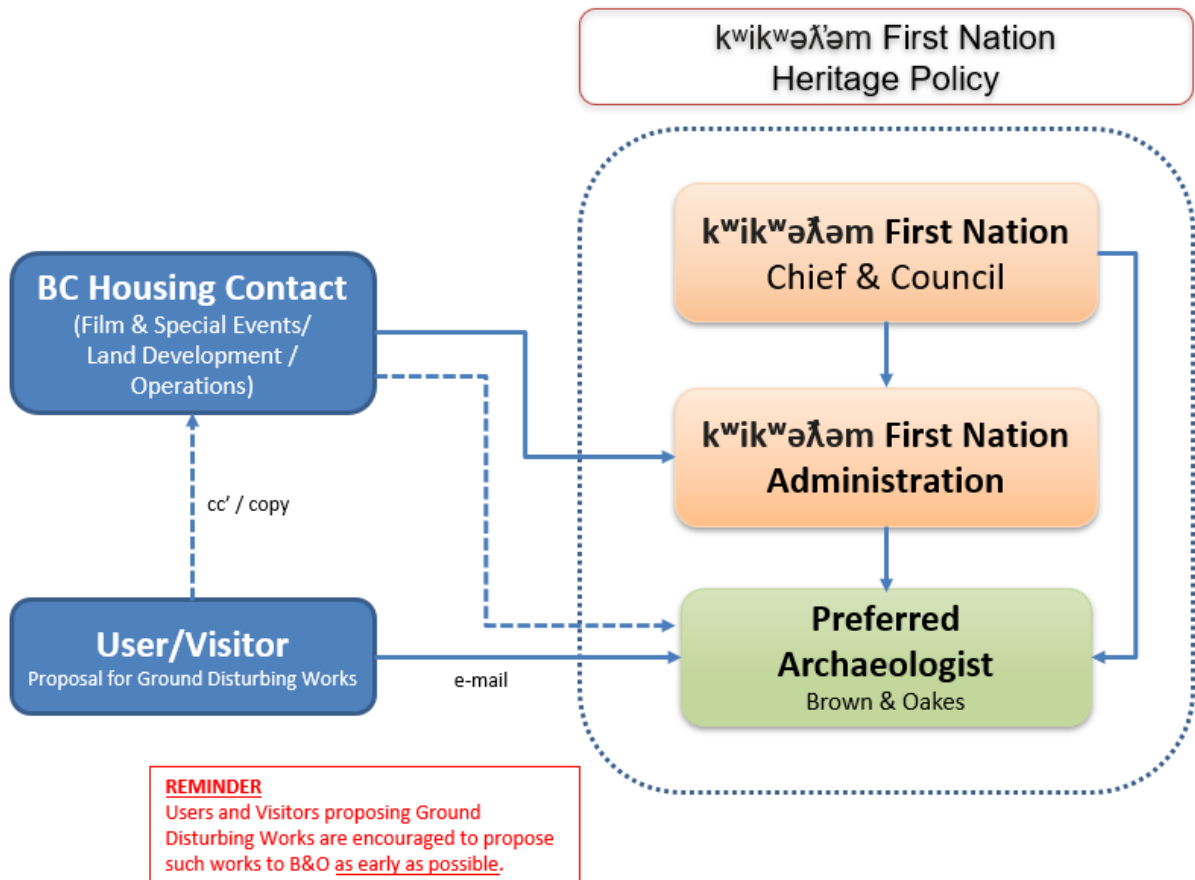
Appendix C – Archaeology Chance Find Bulletin

Appendix D – səmiqʷəʔelə Archaeological Protocol Checklist

Appendix E – səmiqʷəʔelə Incident Report Form

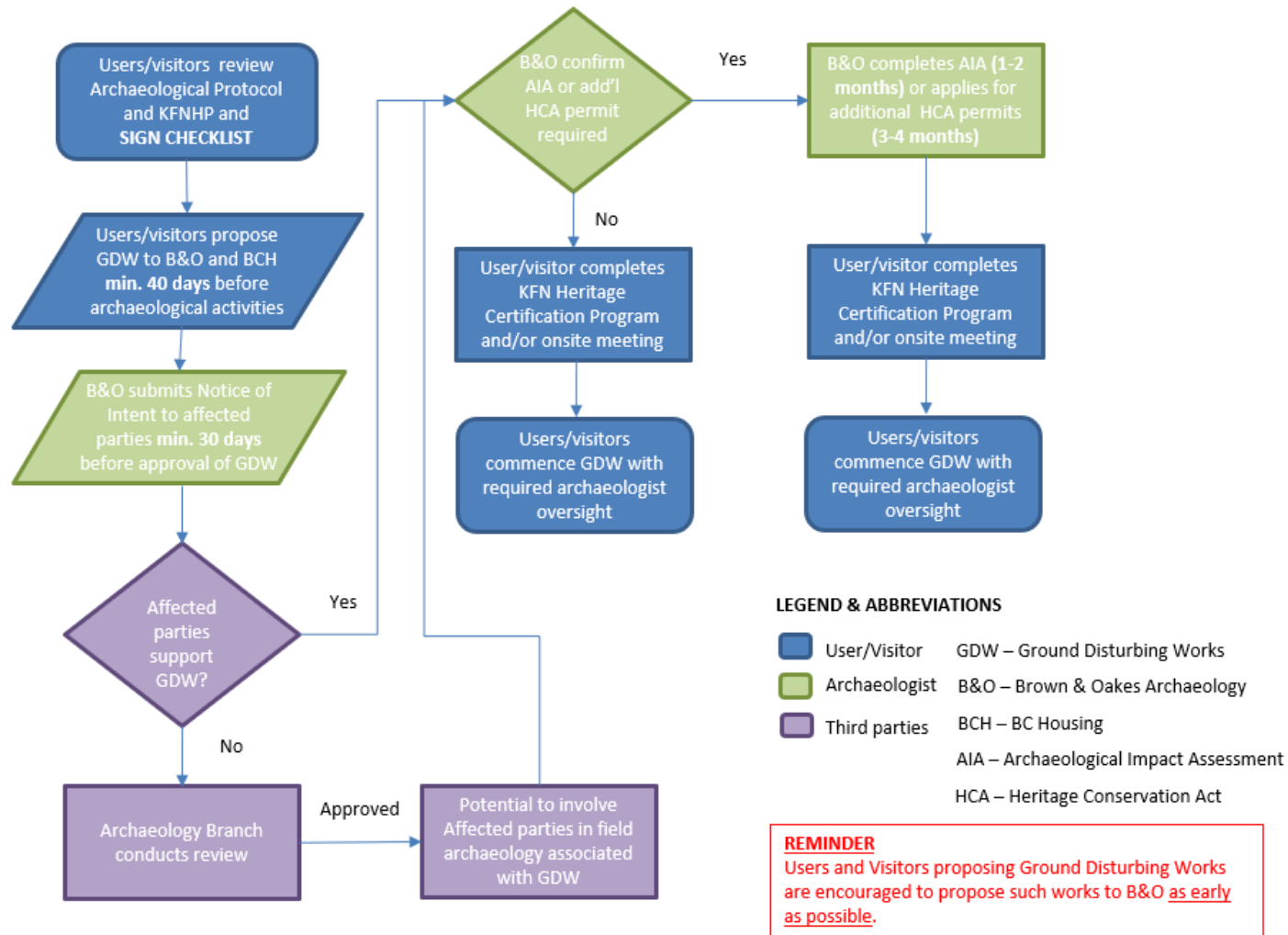
Appendix A

Archaeological Protocol Application Process



Appendix B

Archaeological Protocol Process Flow for Ground-Disturbing Works



Appendix C

Archaeology Chance Find Bulletin

ARCHAEOLOGY CHANCE FIND BULLETIN

- Archaeological sites are located in the area.
- Cultural materials may be exposed during ground-disturbing activities.
- WATCH FOR and REPORT potential archaeological finds.
- Archaeological sites are protected by legislation. Damage to sites (intentional or accidental) or the collection of artifacts without authorization is subject to penalty.

PROCEDURES

1. **STOP WORK** in the immediate area.
2. **DO NOT DISTURB** the material.
3. **REPORT** the finds to the site supervisor and/or **Brown & Oakes Archaeology**.
4. **AWAIT** further direction.



Stone artifacts

Chipped and ground stone artifacts are commonly found at Fraser Valley sites. Tool types include projectile points, knives, adzes (axes), mauls (hammers), net weights, and more. Stone flakes resulting from tool production are more common than tools. Culturally produced flakes show distinctive features, but these can be difficult to identify to an untrained eye.

Organic materials

Artifacts produced of wood, bone, fibre or other organic materials preserve only under special conditions. In this region, buried, low-energy water-saturated sediments provide ideal environments for 'wet-sites'. Watch for woven basketry, rope, or twine as well as culturally shaped bone, antler, or wood (spoons, points, wedges, art objects).

Fire-altered rock (FAR)

Heating rocks for warmth, roasting, and 'stone-boiling' (immersing hot stones in water) produced large volumes of FAR around settlement sites. FAR is a good indicator of site proximity. The repeated heating and cooling of FAR created distinctive fracture and colour patterns that can be distinguished from naturally broken rock. FAR is usually found mixed with charcoal and ash laden sediments.

Burial places

Burial styles in the Fraser Valley have changed through time, but underground internments at or near archaeological sites are common through the millennia. Report ANY observed bone remains to the archaeological team.

Other site signatures

Most sites are first noted because of the presence of distinctive soil layers. Watch for accumulations of anthropogenic (human influenced) sediments. This includes unusually dark or charcoal rich, sediments sometimes flecked with shell fragments, calcined (burnt) fish and mammal bone, and ash deposits. Report sediments that are distinct from the surrounding natural materials.

BROWN & OAKES ARCHAEOLOGY

call / Text / Email: 778-886-8200 or 778-886-8300, BrownOakesArch@shaw.ca

səmiq^{wəʔ}elə Archaeological Protocol Checklist

This checklist must be submitted at time of contract signing.

USER / VISITOR PROPOSING GROUND-DISTURBING WORKS

Company / Applicant Name:

Address: _____

Street Address	City	Province	Postal Code
_____	_____	_____	_____

Responsible Person:

<div style="border-bottom: 1px solid black; height: 1em;"></div> <div style="text-align: center;">First Name</div>	<div style="border-bottom: 1px solid black; height: 1em;"></div> <div style="text-align: center;">Last Name</div>
--	---

Responsible Person Title:

Responsible Person Phone No.: () -

Responsible Person E-mail: _____

☐ I understand that səmíqʷəʔelə contains known archaeological sites that are protected under the *Heritage Conservation Act*, and much of the property holds high potential for undocumented sites.

☐ I understand that the **səmíqʷəʔelə Archaeological Protocol** sets out the requirements for engaging in Ground-Disturbing Works on-site.

☐ I have contacted the *kʷíkwəʔləm First Nation Heritage Policy (kFNHP)* archaeological Consultant (Brown & Oakes Archaeology) in writing via email on _____ / _____ / _____ (month / day / year) to outline the proposed Ground-Disturbing Works.

☐ I understand that further archaeological permitting and/or studies may be required for these proposed Ground-Disturbing Works depending on the nature, location, and scale of the proposed Ground-Disturbing Works.

☐ I understand that, at a minimum, professional archaeological oversight at the time of conducting Ground-Disturbing Works will be required.

☐ I understand that prior to commencing the Ground-Disturbing Works I am to organize a kick-off meeting with the *kFNHP* archaeological consultant (Brown & Oakes Archaeology) and ensure my crew takes the *kʷíkwəʔləm Cultural Heritage Certification Program*.

I _____, as the Responsible Person proposing the subject Ground-Disturbing Works understand that I am responsible for ensuring individuals conducting these proposed Ground-Disturbing Works (including any subtrades, landscapers, excavators etc.) are to be made aware of the **səmiq̓wəʔelə Archaeological Protocol** – and the requirements therein – and take the kwikwəʔəm Cultural Heritage Certification Program.

Date _____

Appendix E

səmiqʷəʔelə Incident Report
For Chance Find or Archaeological Emergency

*Any Chance Find or infraction of the **səmiqʷəʔelə Archaeological Protocol** is to be **immediately reported** to BC Housing and the kwikwəʔəm First Nation Heritage Policy (kFNHP) archaeological consultant (Brown & Oakes Archaeology) using this Report Form. Please note details of the chance find or emergency disturbance, including an overview photo of the location featuring nearby landmarks, and a detailed photo of the disturbance/ find.*

Time is of the essence. Use additional pages as necessary.

Date of Incident: _____ **Incident Location:** _____

Involved Individuals:

<u>Name</u>	<u>Company / Entity</u>	<u>Involvement</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Statement of Incident:

Ground-disturbing Works Responsible Person: _____

Person completing Incident Report: _____

Date Incident Report submitted: _____ / _____ / _____ (month / day / year)

B&OA Response: _____