ARCHAEOLOGICAL OVERVIEW ASSESSMENT

TFL 44 Archaeological Potential Model
Port Alberni, B.C.

Archaeological Overview Assessment
TFL 44 Archaeological Potential Model
Port Alberni, B.C.

Prepared for

Western Forest Products

1200-1140 West Pender Street

Vancouver, B.C.

V6E 4G6

Prepared by Armando Anaya-Hernandez

June 2009

I. R. Wilson Consultants Ltd.

Credits

Project Manager/Editor
Shane Bond

Editors
Dave Hutchcroft
Ian R. Wilson

Field Director
Kira Kristensen

First Nation Field Assistant
Ditidaht First Nation
Fred Johnson

Model Development/Author
Armando Anaya-Hernandez

Graphics
Tracy Cardinal

Report Production
Derece Powell

Table of Contents

LIST OF FIGURES

LIST OF TABLES

APPENDICES: A. SITE TYPE SUMMARY (EXCLUDING SHIPWRECKS)

1. INTRODUCTION

At the request of Western Forest Products Ltd., I.R. Wilson Ltd. developed an archaeological potential predictive model (APM) within TFL 44. TFL 44 encompasses 165,677 ha of land (Figure 1). The archaeological predictive model developed for the TFL includes areas outside of the TFL 44 area. This larger area was included in the archaeological predictive model because the base information (such as geomorphology, biogeoclimatic zones etc.) covers all of the map sheets within and around the TFL. For consistency, previously recorded archeological site information was also acquired for the entire map sheets within and around TFL 44. A preliminary APM was produced and evaluated in the field. The field data gathered during the ground-truthing phase were the basis of the statistical analysis that led to the fine-tuning of the models.

TFL 44 is located on the west side of Vancouver Island extending south from approximately 32 km east of Ucluelet to 82 km northwest of Sooke and north up the Alberni Inlet to 11 km south of Port Alberni. TFL 44 can be roughly divided into five separate geographical areas: Great Central Lake; Henderson and Nahmint Lakes; the east side of Trevor Channel and Alberni Inlet; the Walbran/Caycuse drainages; and Rosander, a small area southeast of the main part of the TFL. Great Central Lake area is located approximately 13 km west of Port Alberni and was not included in the modeling program. Henderson Lake and Nahmint Lake are located on the west side of the Alberni Inlet. The TFL boundary encompasses all of Henderson Lake extending south to the canal, the Nahmint River south of Nahmint Lake and a small area on the east side of Nahmint Lake and the north end of Nahmint Lake. The largest portion of the TFL is situated on the east side of Alberni Inlet and Trevor Channel and extends from 11 km to 58 km south of Port Alberni, and 20 km east to include the Klanawa River Drainage System. The portion of TFL 44 including the Walbran and Caycuse drainage areas extends 16 km east from the northeast end of Nitinat Lake to 10 km north of Juan De Fuca Strait. Finally Rosander is bounded by the Carmanah Provincial Park to the east, and is 8 km east of Nitinat Lake and 3 km north of Juan de Fuca Strait.

The advent of GIS has greatly enhanced the analysis of spatial relationships to produce predictive models of archaeological potential (Anaya-Hernández 2001a, 2001b; Ebert 2004; Eldridge and Mackie 1993). "Predictive models attempt to predict the
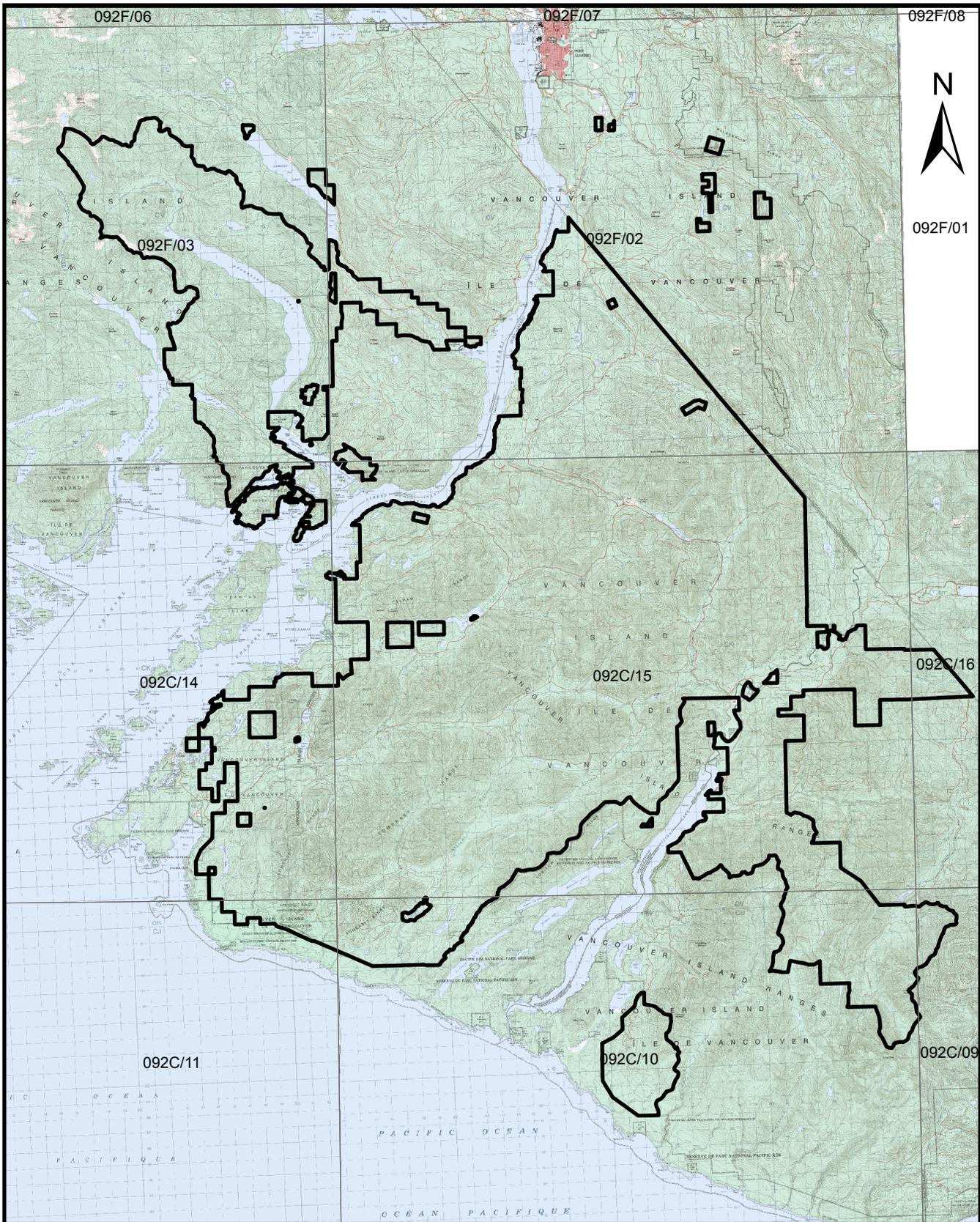
Modelled Portions of TFL 44

□ Tenure Areas

Scale: 1:350,000

0　　　　10,000　Metres

Prepared by:
I. R. Wilson Consultants Ltd.
archaeology

Figure 1

IRW 08-2075

location of sites or materials in a region, based either on a sample of sites in the region or on theories of human behavior" (Ebert 2004:323). These models tend to identify those areas on the landscape where the likelihood of finding an archaeological site is high.

Predictive modeling can be done following either a deductive or an inductive approach. The former relies strongly on ethnographic analogy and/or on theories of human behavior and the latter on the archaeologist's empirical knowledge of a specific area, assuming that environmental variables can be used as archaeological site predictors (Ebert 2004; Marshall and Bond 2004). Deductive models have the advantage of explaining why archaeological sites occur on a given location, but has the disadvantage of the researcher's own biased preconceptions of human behavior possibly affecting the model's effectiveness. On the other hand, although inductive models seem to provide good end results, they are criticized because they lack explanatory power. Most importantly, they are poorly equipped to deal with data-gaps. In other words, the model will yield good results where archaeological knowledge of a region is adequate, but will be unable to properly assess archaeological potential in poorly documented areas.

The present study used an inductive-deductive approach combining environmental and cultural variables (Anaya-Hernandez 2006; Marshall and Bond 2004).

The model was developed following an inductive approach complemented with cultural data and a field visit to check model accuracy. The main objective of this model is to identify those localities that are sensitive to archaeological site presence, thus enabling the planners to make well-informed decisions regarding their management where potential conflicts exist. Based on field observations, several environmental variables were statistically tested in order to identify their contribution to the identification of these areas.

The field component of this study focused on ground truthing areas of predicted low, moderate and high archaeological potential within multiple biogeoclimatic zones. Only 135,295 ha of the total TFL area was selected for ground truthing because Great Central Lake was excluded from analysis. Seventy-six locations within the 135,295 ha area were examined during the field study. Four locations selected were outside of the TFL 44 boundaries and were selected to access coastal locations along Alberni Inlet by road where ordinarily boat access would have been required.

2. STUDY AREA

The study area covers over 165,677 ha which lie within three biogeoclimatic zones (BGC) including Coastal Western Hemlock (CWH), Mountain Hemlock (MH) and Alpine Tundra (AT). Of these three, CWH predominates with four different sub-zones present: Very Dry Maritime (CWHxm), Moist Maritime (CWHmm), Very Wet Hypermaritime (CWHyh) and Very Wet Maritime (CWHym). Due to its relative scarcity in TFL 44 and lack of trees suitable for harvesting, AT was not considered in the model. A brief review of CWH and MH BGC zones follows.

2.1 Coastal Western Hemlock (CWH)

2.1.1 Location

This broad zone stretches along the province's entire coast. The zone covers most of the lower elevations west of the Coast Mountains, from the very wet and exposed outer coast to drier and more sheltered areas of the inner coast. The zone also extends east of the Coast Mountains along major river valleys.

2.1.2 Environment

Mountains and ocean dominate this zone creating the coastal climate and ecology. The Coast Mountains form a barrier between warm air flowing in from the Pacific and the continental air masses from the interior. As Pacific air pushes over the mountain barrier, it drops much of its moisture as rain or snow, producing one of the wettest climates in Canada. The mild Pacific Ocean moderates temperatures, resulting in cool summers and mild winters.

Because of the wet climate, nutrients are quickly leached out of the mineral soils. Many of the nutrients are held in the soil by organic matter such as humus and rotting wood, and in the vegetation itself.

2.1.3 Temperate rainforests

Coniferous forests predominate in this zone, commonly called "temperate rain forests" because of the mild, wet climate in which they grow. These forests are complex and often contain highly productive ecosystems. B.C. temperate rainforests are among the most impressive in the world and are home to trees of great age and massive proportions.

Temperate rainforests grow in moderate climates where temperature varies relatively little from summer to winter, and where there is an abundance of rainfall.

2.1.4 Old forests

Old forests are complex mixtures of trees of various sizes, species and ages, including standing dead trees or "snags". The trees form a deep, multi-layered canopy with numerous small gaps where trees have died or fallen. Large fallen trees crisscross the forest floor. When they fall into streams, large logs create pools and influence stream ecology. These features of coastal old forests support a wealth of life. Birds and small mammals build nests and find food in snags; fungi and seedlings take root in fallen trees; understory vegetation flourishes under canopy gaps, providing forage for wildlife. Lichens, mosses and insects thrive high in forest canopy, and fish find excellent habitat in the many streams.

2.1.5 Wetlands

Not all the Coastal Western Hemlock Zone is forested, and not all of the forest is characterized by big trees. Wetlands, particularly bogs, are common in coastal lowland areas. They range from "closed" bog forests with scrubby and irregular tree cover, to "open" bogs with few trees.

2.1.6 Vegetation

Western hemlock and western red cedar trees are common throughout the zone. Others include amabilis fir, Douglas fir, western white pine and bigleaf maple in warmer and drier areas; red alder on disturbed sites; black cottonwood along rivers; and lodgepole pine on very dry sites. In the south, Sitka spruce occurs along coastlines and floodplains, while further north it occupies a wider variety of habitats.

2.1.7 Wildlife

From coastal margins, wetlands and estuaries through to extensive upland forests, the CWH zone probably encompasses the greatest diversity and abundance of wildlife habitat of any ecological zone in B.C. The many estuaries provide important over-winter habitat for birds and serve as nurseries for young fish.

Old forests provide crucial habitat for other wildlife as well. Black-tailed deer depend on old forests to provide shelter and forage during snowy winter months.

Every summer and fall, millions of salmon return to the B.C. coast to spawn in the many large and small streams that wind through the forest. These forest streams provide some of the world's finest salmon spawning and rearing habitat.

For thousands of years, the aboriginal peoples of the B.C. coast have used many wild plants for food, medicine, or other uses, the most important of which was probably the western red cedar trees. Because it was the source of so much that made for a comfortable life, aboriginal people addressed the cedar spirit as "Long Life Maker." All parts of the cedar tree was used - wood, bark, branches and roots - to produce an amazing variety of products, from massive wooden houses, canoes, and totem poles to small delicate baskets and ornaments.

2.2 Mountain Hemlock (MH)

2.2.1 Location

This zone occupies sub-alpine elevations along the entire B.C. coast. It also extends north into Alaska and south along the Washington and Oregon coast. In the south, the zone ranges from 90 to 1800 m above sea level (asl) and, in the north, from 400 to 1000 m asl. The zone is located between the densely forested Coastal Western Hemlock zone and the treeless Alpine Tundra zone.

2.2.2 Climate

The zone is characterized by short, cool summers and long, cool and wet winters, which are typical of the maritime mountain climate. This is one of Canada's wettest ecological zones, receiving up to 5000 mm of precipitation every year from numerous Pacific weather systems that sweep over the coastal mountains. With up to 70% of this precipitation falling as snow, the area has a deep snow cover for many months of the year. Because the deep snowpack melts so slowly, the zone has a relatively short growing season.

2.2.3 Forest ecosystems

Vegetation within the MH zone is strongly influenced by elevation. Because temperatures are colder and snow is deeper at higher elevations and the growing season is shorter, trees grow better at lower elevations. Mountain hemlock, amabilis fir, and sometimes yellow cedar are typical of lower elevation forests. Western hemlock and western red cedar are less common but often form an important part of the tree canopy. In the southern part of the zone, Douglas fir and western white pine may also occur in lower elevation forests; in the north, Sitka spruce is often present. These forests often have dense shrub growth under the tree canopy. Oval-leaved blueberry, Alaska blueberry, black blueberry, false azalea, and white-flowered rhododendron are the most common shrubs. Typically, these forests also have abundant regeneration of amabilis fir in the understorey. The forest floor is usually covered with a thick and diverse carpet of mosses. Dry forests occur intermittently at low elevations, and tend to have more opened tree canopies dominated by mountain hemlock. On these dry sites, copperbush is a common shrub. Occasionally lodgepole pine grows on very dry sites, but may also grow on wet sites. On wetter and richer sites, amabilis fir and yellow cedar dominate. Bog forests inhabit very wet sites at lower elevations within the MH zone. Yellow cedar and mountain hemlock form an irregular and open canopy in these bogs, while skunk cabbage and Indian hellebore are characteristic understorey plants.

2.2.4 Sub-alpine wetlands and meadows

A few lush wetlands and herb meadow ecosystems occur along streams and in parkland areas with plentiful seepage. A few of the many species present here are Indian hellebore, Sitka valerian, arrow-leaved groundsel, sweet coltsfoot, white marsh-marigold, sub-alpine butter-cup, common red paintbrush and mountain arnica. Black alpine sedge ecosystems are characteristic of wet areas in sub-alpine snow basins, where snow lies on the surface for nine or more months of the year.

2.2.5 Sub-alpine parklands and heaths

At higher elevations, forests thin out to a mosaic of sub-alpine parkland, heath, and meadow ecosystems. Mountain hemlock, sub-alpine fir, yellow cedar and sometimes whitebark pine are common trees near the timberline. Here they form irregular patches of forest amid an increasing amount of heath and meadow. This combination of clumped forest and open areas forms the sub-alpine parkland. Heath ecosystems become common in upper elevations. Trees are sparse and stunted, and dwarf evergreen shrubs are

dominant plants. In the heath ecosystems in the southern part of the zone, white mountain heather and pink mountain heather are common. Alaska clubmoss and yellow mountain heathers are more typical of northern areas. Other characteristic plants of sub-alpine heaths are partridgefoot, alpine clubmoss and cranberry.

2.2.6 Wildlife

Despite the long, cool and wet winters, the heavy snow cover and the steep rugged terrain, many species of wildlife inhabit the Mountain Hemlock Zone. Large mammals such as black bears, Roosevelt elk, and black-tailed deer frequent a wide range of ecosystems within the zone. In the summer, mountain goats range mainly in open areas like rock outcrops and avalanche tracks. Some mountain goats over-winter on steep south facing slopes, but many migrate to lower elevations.

The zone offers fine habitat for many bird species, especially in mature and old forests where they feed on insects, conifer seeds, and small mammals. Some common birds here include the great horned owl, great gray owl, Clark's nutcracker, common raven, common flicker, three-toed woodpecker, pileated woodpecker, hairy woodpecker, chestnut-backed chikadee, red-breasted nuthatch and golden-crowned kinglet. Species that use parkland meadows, heath, or other ecosystems include the Vancouver Island marmot, willow ptarmigan and blue grouse.

2.2.7 Yellow cedar

This is a coastal tree species that grows from Oregon to Alaska. In B.C., it occurs at higher elevations of the Coastal Western Hemlock zone and along the outer coast, as well as in the Mountain Hemlock zone. It is often associated with amabilis fir and mountain hemlock and may attain its greatest size in the lower elevations of this zone. Yellow cedar produces a very fine gray straight-grain yellow wood that coastal natives have used for thousands of years to carve masks, paddles and bowls. They used the bark to weave clothing and blankets.

3. ARCHAEOLOGY

3.1 Previous Archaeology

Most previously completed archaeological studies within the primarily inland portions of TFL 44 are timber harvest-related archaeological impact assessments thus resulting in the discovery of culturally modified tree (CMT) sites to the exclusion of other site types. For instance, several studies carried out in the 1990s (Bonner and Eldridge 2001; Field and Stryd 1997; Field *et al.* 1996; Howard *et al.* 1996; Schaepe 1997) and more recently (Grant 2006; Grant and Engisch 2007) resulted in the discovery of 74 CMT sites and only one non-CMT site, a shell midden site with a raised house platform. Most of these sites consist of bark stripped features, although sites consisting of aboriginally-logged features, mostly stumps, have also been recorded. CMT sites recorded in the area usually consist of only single to a few features, although as many as 196 modified trees have also been recorded at a single site (Bonner and Eldridge 2001). Tree ring dates from bark-stripped trees within TFL 44 have established that trees were being modified as early as AD 1720 (Field and Stryd 1997).

Other site types have been recorded in coastal areas that, for the most part, are located outside TFL 44. An archaeological inventory of Pacific Rim National Park completed for Parks Canada in 1983 identified several non-CMT sites along the West Coast Trail on the southern edge of TFL 44 from Nitinat Narrows to Bamfield, including 11 shell middens, all with at least one house platform, a defensive site, 14 smaller campsites or resource procurement locations, six petroglyph sites and two fish trap sites (Haggarty and Inglis 1985). Twenty-seven CMT sites were also recorded along this part of the trail during this study, most located away from the coast in less exposed locations. Within the Bamfield area, located just to the southwest of the TFL, an archaeological inventory completed for the Huu-ay-aht First Nation in 1984 identified ten shell midden sites, one in association with a fish trap, and four burial sites (Williamson and Mackie 1984).

3.2 Archaeological Site Types

There are 716 recorded archaeological sites in the broad area modeled in this study. Two hundred and nine of these sites fall within the TFL 44 boundary. All sites used to build the model are summarized in Appendix A. Sites are recorded by Borden block, a geographically based unit of land. Sites from all Borden blocks within the TFL were captured but a number of sites actually are outside study area boundaries since many of the Borden blocks extend beyond TFL boundaries. However, the sites are likely generally

representative of the overall study area with a few exceptions. The exceptions are sites predominantly associated with the ocean shoreline since the TFL is largely inland from the coast.

Of the 716 sites recorded in the area modeled (this includes a large portion of land outside the TFL 44 tenure area), 15 (2.1%) are shipwrecks and clearly not an expected site type in the TFL. Similarly, 10 sites (1.4%) consist of canoe skids or fish traps, all associated with intertidal zones which would clearly be excluded from forestry activities except for possible log storage or load outs.

Shell middens are the most common non-CMT site type in the area. About 18% of the sites have a shell midden component and are located immediately adjacent to high tide areas, though some sites are found further removed from the ocean.

Forty-four recorded sites are described as containing human burials although it is likely that many of the shell midden sites also contain undocumented human remains. Human remains have been found associated with rock shelters, box burials, cave burials and tree burials. Most of these are relatively close to the ocean shoreline.

Five trails have been recorded, two associated with other site types. The age of the trails is not known. A number of historic buildings have been recorded including several associated with different site types such as shell middens, CMTs, fish traps and several others. The buildings include commercial, industrial, religious and habitation structures, primarily cabins. About 5% of the sites in the study area are historic. Historic sites are virtually impossible to model.

One site is a cairn. This feature is located at the top of a mountain and may not be prehistoric.

Seven rock art sites have been recorded including six petroglyphs (rock carvings) and one pictograph (a rock painting).

Forty-eight sites recorded solely as lithic scatters or deposits of stone tools and/or stone tool manufacturing debris are recorded in the study area. A number of additional lithic sites have been recorded in the area in association with CMTs.

The great majority of sites in the area consist of CMTs. Four hundred and fifteen sites (57.8%) are recorded solely as CMTs, but many more CMTs have been recorded in association with other site types.

4. METHODOLOGY

An inductive-deductive approach was used to develop the APM. Knowledge of regional culture history and past field experience in the region was the basis for the selection of the environmental variables considered relevant to the preliminary model. Six classes of archaeological potential (very low, low, moderate, moderate high, high and very high), were designed to be tested in the field. An Access database that included 63 fields containing all the environmental and geographic information thought to be relevant to archaeological potential was developed. All the records from the field review were entered in the database in order to facilitate the querying of the data and its statistical analysis. The data included information on vegetation cover, general terrain description, soils, topographic features, proximity to water bodies and wetlands, judgementally determined archaeological potential and general annotations.

Based on field observations, it became clear that archaeological potential should be modeled separately for culturally modified trees (CMTs) and archaeological sites. CMTs provide material evidence of forest utilization and are often, but not always, correlated with the material remains of other human activities. However, as slope and aspect are not important predictors for CMT locations, they were modeled separately. Field inspections of 76 different localities within the study area provided data which were entered in the database, forming the basis for the statistical analysis and the evaluation and final adjustments done to the preliminary model.

4.1 Statistical Analysis

In order to identify which recorded environmental variables contributed to the presence of high potential areas, a Discriminant Function Analysis (DA) was applied to the database using the SPSS statistical package for each of archaeological potential and CMT potential. DA is used to determine which variables discriminate between two or more naturally occurring groups. Essentially, DA is used to determine which variable(s) are the best predictors of archaeological potential.

DA has two steps: (1); an F test (Wilk's lambda) used to test if the discriminant model as a whole is significant, and (2); if the F test shows significance, then assessment of the individual independent variables to determine which differ significantly in mean value by group. These are used to classify the dependent variable. If DA is effective for a set of data, the classification table of correct and incorrect estimates will yield a high

percentage of correct ones. The results of this analysis, carried out to identify the relevant variables for the CMT and archaeological potential models, are shown in Tables 1 and 2.

Tables 1 and 2 show the variables selected by the DA from the initial 52 independent numeric variables for both CMT and archaeological potential. A low Wilk's lambda value indicates a greater contribution of the independent variable to the discriminant function. Furthermore, all variables must pass the tolerance criterion to be entered in the equation, regardless of the entry method specified. The default tolerance level is 0.0001. A variable is not entered if it would cause the tolerance of another variable already in the model to drop below the tolerance criterion. Finally, the means were included to assess which of the variables have significantly different means across the groups. Differences in observed means can help in the identification of those variables that discriminate between groups.

Table 1: Variable contribution for CMT potential

Variable	Wilk's Lambda	Tolerance	Min. Tolerance	Mean High	Mean Moderate	Mean Low	Total Mean
Soils	.496	.948	.874	2.8333	2.0500	2.1081	2.2667
Logged		.000	.000	.1667	.6000	.8108	.6000
B		.000	.000	.0000	.0000	.0000	.0000
Ba	.467	.999	.908	.0000	.3000	.1892	.1733
Bg		.000	.000	.0000	.0000	.0000	.0000
Bp		.000	.000	.0000	.0000	.0000	.0000
C	.490	.917	.838	.0000	5.000E-02	2.703E-02	2.667E-02
D	.484	.945	.859	.1667	.2500	.2432	.2267
Fd	.490	.988	.898	.2222	.1000	2.703E-02	9.333E-02
H	.500	.992	.902	.2778	.4000	.2703	.3067
Hm	.474	.936	.851	5.556E-02	5.000E-02	.0000	2.667E-02
Hw		.000	.000	.0000	.0000	.0000	.0000
Mb	.492	.992	.902	.1667	.2000	8.108E-02	.1333
Pl	.504	.995	.904	5.556E-02	5.000E-02	5.405E-02	5.333E-02
Pw		.000	.000	.0000	.0000	.0000	.0000
S	.500	.995	.904	.3889	.4000	.5676	.4800
Ss	.493	.966	.895	.1111	5.000E-02	.0000	4.000E-02
Yc	.461	.940	.854	5.556E-02	.0000	.0000	1.333E-02
Rugged terrain	.498	.972	.895	.1667	.3500	.2432	.2533
High ground	.503	.966	.896	.2222	.3500	.2703	.2800
Low Flat	.486	.986	.896	5.556E-02	.2000	.1892	.1600
Leveled elevation	.485	.912	.836	.4444	.3500	.2973	.3467
Rolling	.500	.993	.906	.2778	.2000	.1622	.2000
Sloping	.503	.956	.884	.3333	.4000	.4054	.3867
Toe	.489	.965	.878	5.556E-02	.0000	5.405E-02	4.000E-02
Break	.492	.999	.907	.1111	5.000E-02	.0000	4.000E-02
Small rise	.468	.953	.868	.1111	.1000	.0000	5.333E-02
Knoll		.000	.000	.0000	.0000	.0000	.0000
Bench	.462	.999	.908	.2778	.0000	8.108E-02	.1067
Ridge	.461	.940	.854	5.556E-02	.0000	.0000	1.333E-02
Bank	.500	.942	.867	.2222	.1500	.2162	.2000
Terrace	.484	.997	.907	.1667	.1000	.0000	6.667E-02
Slump		.000	.000	.0000	.0000	.0000	.0000
Hilltop	.492	.931	.847	5.556E-02	.1000	5.405E-02	6.667E-02
Hillside	.491	.978	.899	5.556E-02	.1000	.2162	.1467
Ravine	.468	.973	.885	.0000	.1000	.0000	2.667E-02
Rock outcrop	.500	.975	.899	.1111	.1500	.2162	.1733
Esker		.000	.000	.0000	.0000	.0000	.0000
Vantage point	.488	.922	.842	.1667	.3500	.2703	.2667
Microlandform	.481	.966	.880	.6111	.4500	.4324	.4800
Distance to coast	.495	.980	.896	13.0556	14.3500	8.5135	11.1600
Slope	.505	.994	.903	1.7222	1.9500	2.2703	2.0533
Aspect	.504	.943	.889	2.1667	2.9000	2.5676	2.5600
Lake very small	.484	.978	.895	5.556E-02	.0000	8.108E-02	5.333E-02
Lake small	.496	.977	.894	.2222	.1000	.1081	.1333
Lake medium	.496	.985	.895	5.556E-02	.0000	2.703E-02	2.667E-02
Lake large	.496	.995	.905	.1667	.1000	5.405E-02	9.333E-02
River dbl. line	.503	.942	.875	.3333	.3000	.2162	.2667
River single line	.468	.983	.895	.1111	.2500	5.405E-02	.1200
intermittent stream	.504	.986	.899	.2778	.2000	.2432	.2400
Wetlands	.502	.954	.880	.0000	.0000	5.405E-02	2.667E-02

Table 2: Variable contribution for archaeological potential

Variable	Wilks' Lambda	Tolerance	Min. Tolerance	Mean High	Mean Moderate	Mean Low	Total Mean
Soils	.205	.865	.697	1.8571	2.4286	2.3250	2.2667
Logged	.208	.945	.710	.4286	.5714	.6750	.6000
B		.000	.000	.0000	.0000	.0000	.0000
Ba	.207	.933	.695	.2143	.1905	.1500	.1733
Bg		.000	.000	.0000	.0000	.0000	.0000
Bp		.000	.000	.0000	.0000	.0000	.0000
C	.205	.985	.728	7.143E-02	.0000	2.500E-02	2.667E-02
Cw	.208	.937	.733	.6429	.6667	.7500	.7067
D	.205	.890	.672	.2143	.2857	.2000	.2267
Fd	.207	.965	.731	.1429	9.524E-02	7.500E-02	9.333E-02
H	.203	.975	.731	.2857	.2381	.3500	.3067
Hm	.208	.505	.476	.0000	4.762E-02	2.500E-02	2.667E-02
Hw		.000	.000	.0000	.0000	.0000	.0000
Mb	.200	.925	.717	.2143	9.524E-02	.1250	.1333
Pl	.206	.964	.727	.0000	4.762E-02	7.500E-02	5.333E-02
Pw		.000	.000	.0000	.0000	.0000	.0000
S	.207	.931	.702	.5714	.4286	.4750	.4800
Ss	.190	.849	.650	.1429	.0000	2.500E-02	4.000E-02
Yc	.244	.905	.730	.0000	4.762E-02	.0000	1.333E-02
Rugged terrain	.209	.848	.718	.0000	.1429	.4000	.2533
High ground	.205	.858	.696	.2143	.2857	.3000	.2800
Low Flat	.188	.865	.676	.0000	.2857	.1500	.1600
Leveled elevation	.425	.751	.723	.9286	.5714	2.500E-02	.3467
Rolling	.197	.984	.734	7.143E-02	.3333	.1750	.2000
Sloping	.188	.915	.732	.0000	.1429	.6500	.3867
Toe	.208	.994	.734	.0000	.0000	7.500E-02	4.000E-02
Break	.202	.882	.681	7.143E-02	9.524E-02	.0000	4.000E-02
Small rise	.192	.873	.725	.2143	4.762E-02	.0000	5.333E-02
Knoll		.000	.000	.0000	.0000	.0000	.0000
Bench	.304	.744	.711	.2143	.2381	.0000	.1067
Ridge	.201	.876	.680	.0000	4.762E-02	.0000	1.333E-02
Bank	.304	.734	.709	.5714	.3333	.0000	.2000
Terrace	.196	.873	.670	.2143	9.524E-02	.0000	6.667E-02
Slump		.000	.000	.0000	.0000	.0000	.0000
Hilltop	.203	.761	.719	.0000	9.524E-02	7.500E-02	6.667E-02
Hillside	.205	.963	.734	.0000	4.762E-02	.2500	.1467
Ravine	.208	.996	.734	.0000	.0000	5.000E-02	2.667E-02
Rock outcrop	.207	.883	.729	.0000	9.524E-02	.2750	.1733
Esker		.000	.000	.0000	.0000	.0000	.0000
Vantage point	.204	.847	.653	.2857	.2857	.2500	.2667
Microlandform	.200	.659	.580	1.0000	.7143	.1750	.4800
Distance to coast	.200	.995	.734	17.4286	10.1905	9.4750	11.1600
Slope	.197	.985	.734	.0000	.4762	3.6000	2.0533
Aspect	.203	.894	.686	1.7143	1.3333	3.5000	2.5600
Lake very small	.205	.947	.725	.0000	9.524E-02	5.000E-02	5.333E-02
Lake small	.241	.786	.697	.1429	.1905	.1000	.1333
Lake medium	.208	.996	.734	.0000	.0000	5.000E-02	2.667E-02
Lake large	.206	.978	.732	.1429	4.762E-02	.1000	9.333E-02
River dbl. line	.200	.695	.650	.7143	.3810	5.000E-02	.2667
River single line	.204	.964	.734	.2857	9.524E-02	7.500E-02	.1200
intermittent stream	.204	.921	.734	7.143E-02	.1905	.3250	.2400
Wetlands	.208	.996	.734	.0000	.0000	5.000E-02	2.667E-02

The variables with a high or null Wilk's Lambda value were discarded and another DA was run on both data sets in order to establish the value coefficient to assign to the variables for the fine-tuning of the models. The statistical analysis of the field observations indicated that potential for CMTs increases with the presence of cedar and water bodies regardless of slope and aspect, while soils, the presence of micro-landforms, slope and aspect, and proximity to double line rivers and lakes, contribute significantly to high archaeological site potential.

4.2 Variables Entered in the GIS Analysis

A review of archaeological and ethnohistoric literature pertinent to the study area was conducted. Combined with the characteristics of the BGC sub-zones present in the study area, relevant variables and the determination of the specific weight and value were identified. Various archaeological potential models were reviewed to assist in the evaluation of the relevant environmental variables (Benson *et al.* 2003; Canuel and Maas 1997; Carlson 1966; Dady *et al.* 2001; Eldridge and Anaya-Hernandez 2005; Eldridge *et al.* 2002; Marshal and Bond 2004). Marshall and Bond's model (2004) provided the basic criteria to assess environmental variable weights and constitute parameters that have proven their validity when contrasted with field observations. Prior to GIS manipulation, the database records were queried and linked to spatial data through Structured Query Language (SQL) protocol.

The software used for GIS modeling was ESRI's ArcGIS 9.1 and ArcInfo 9.1. The data used in the model are summarized in Table 3. The data were requested at a minimum 1:50,000 scale. Due to the extent of the study area, pixel size for all raster images processed was 20 x 20 m, which still allowed small landforms to be indentified without increasing the computing demands.

Table 3: Variable sourcing

Type of data	Source	Required format
Elevation contours	TRIM	ArcView shp. file
Water bodies/ streams	TRIM	ArcView shp. file
Wetlands	TRIM	ArcView shp. file
Forest cover	Terrestrial Ecosystems Attributes (TEM)	ArcView shp. file
Soils/surficial geology	Terrestrial Ecosystems Attributes (TEM)	ArcView shp. file
Geology	Terrestrial Ecosystems Attributes (TEM)	ArcView shp. file
BGC zones	BC Ministry of Forests	ArcView shp. file
Orthophotos	BC Ministry of Forests	GEO TIFF
Archaeological sites and site forms	RAAD/Archaeology Branch	ArcView shp. file
AIA results	Western Forest Products	Arc View shp. file
Water Resources	TRIM and Terrestrial Ecosystems Attributes (TEM)	ArcView shp. file
Traditional First Nations territories	First Nations	ArcView shp. file

It was assumed that there is a spatial correlation between environmental variables and archaeological sites (e.g. distance to water). It is standard practice to establish buffer distances around features such as streams, rivers and lakes to define limits of differing archaeological potential. However, buffers are based on Euclidean or straight-line distances that disregard changes in the physical characteristics of the terrain. Thus, there is a tendency to overestimate or sometimes underestimate potential across the selected area. In this model, buffer distances were established through a process that incorporated the effort of movement across the physical terrain. With this, buffer zones that are specific to each environmental feature of possible significance to site presence based on cost distance were created rather than producing Euclidian distance buffers around these features.

When estimating the effort of moving over the natural terrain, two types of frictions have to be taken into account: isotropic and anisotropic. Isotropic friction refers to the friction that is equal in all directions, for example, walking on a more or less even surface with sand, snow, mud, blacktop, etc. The latter considers frictions that have both direction and magnitude, e.g., walking up or down a slope. Anisotropic friction is obtained by deriving the degree and direction of the slopes from the digital elevation model, which reflect the effort of movement over the physical terrain.

Previous studies (Anaya-Hernández 2001b) have indicated that in an even surface of 0º, a person can walk 5 km in approximately 60 minutes. If that individual walks up hill, as the slope increases the friction will also increase in a non-linear trend in such a way that a 20º slope will be 13 times greater than a flat surface (Figure 2).
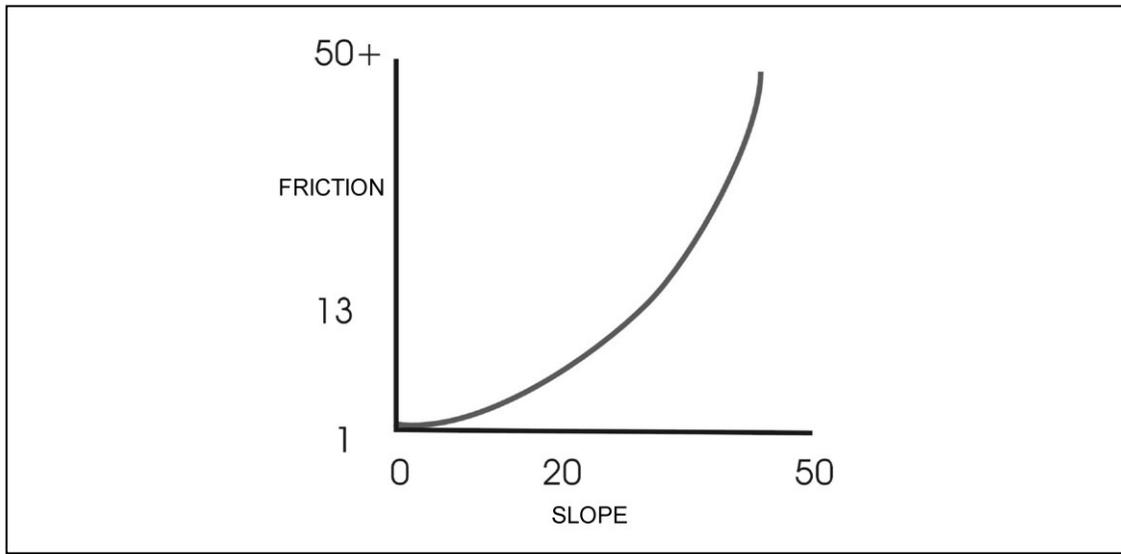
Figure 2: Geometric relation between slope and friction.

Variables entered in the models are classified into four major groups:

1. Cultural Features
2. Water Resources
3. Terrain Features
4. Forest Cover

4.2.1 Cultural Features

By definition, archaeological sites are located within areas of high archaeological potential. Therefore, 701 known archaeological sites within the study area were included in the modeling process. Fifteen shipwrecks were excluded. Shapefiles and site forms were downloaded to include in the model. Sites were classified mainly taking into consideration their overall extent. Site forms were reviewed to identify those sites that, although small in size, warranted more detailed consideration due to their unique properties and cultural significance (e.g. petroglyphs, canoe ramps, fish weirs). The results of previous archaeological impact assessments completed within TFL 44 were also examined. A "near-to" spatial analysis was carried out to assess proximity to varying degrees of slope, surficial geology, micro-landforms and water and forest resources that, in conjunction with the cost distance surface described above, assisted in establishing the buffer widths for these sites. Some information concerning trails was included in the model. The parameters used to derive the potential coefficient for archaeological sites are

presented in Table 4. Relatively small sites of clearly high cultural importance were included in classes 3 and 4.

Table 4: Archeological site classification

Class	Description	Value	Max buffer width	Weight	Buffer width & percentage scale factor			
					0-50 100%	51-100 90%	101-250 80%	251-300 70%
1	< 1 ha	1	0	10	10			
2	1-1.5 ha	2	0	10	20			
3*	1.5-6 ha	4	100	10	40	36		
4*	6-70 ha	5	300	10	50	45	40	35

* Sites of relatively small size (such as cairns or burials) but of cultural significance were assigned into these categories

4.2.2 Water Resources

It is assumed that past indigenous peoples would have a strong reliance on water bodies for transportation and sustenance. Water bodies were therefore classified according to their transportation and fish-bearing capabilities. Wetlands were included due to their high biodiversity potential. Buffer zones ranging from 0 to 1000 m around the main water bodies were established. Double-line rivers (TRIM) and lakes greater than 5 ha in area were assigned the greatest buffer (1000 m), smaller lakes were buffered to 250 m, wetlands were buffered to 100 m and single-line fish-bearing creeks (TRIM) were allocated a buffer of 100 m. The final score for these variables was calculated according to the extent of the buffer width and the percentage scale factor, which represents a ratio that decreases mathematically as distance increases. These parameters are presented in Table 5 and the buffering results shown in Figure 3.

Table 5: Water resources

Description	Value	Max Buffer Width	Weight	Buffer width & percentage scale factor					
				0-50 m 100%	51-100 m 90%	101-250 m 80%	251-500 m 70%	501-750 m 60%	751-1000 m 50%
Major rivers (TRIM double line)	4	1000	5	20	18	16	14	12	10
Lakes < 5 ha	2	250	5	10	9	8			
Wetlands < 5 ha	2	100	5	10	9				
Streams (TRIM single line)	3	100	5	15	14				
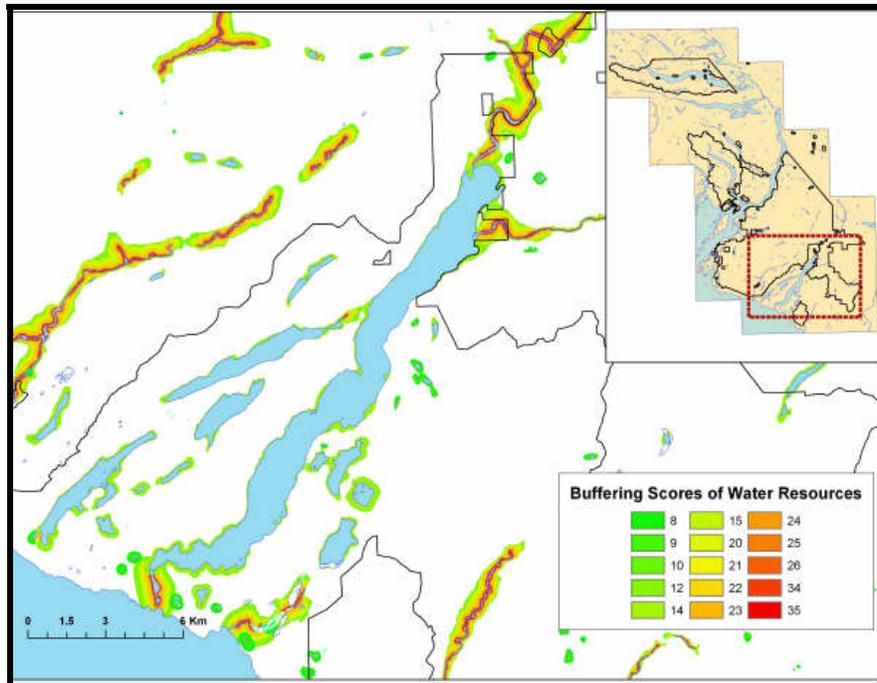
Figure 3: Water Resource buffers derived from cost distance.

4.2.3 Terrain Features

Field observations revealed a strong correlation between areas of high archaeological potential and well-drained soils. Likewise, certain soils are favorable for the preservation of archaeological materials. The subsistence patterns of the peoples who inhabited the study area required them to lead a somewhat transhumant lifestyle. That is, people moved from season to season to exploit resources as they became available at different times of the year. It is reasonable to assume that they would prefer to traverse the landscape over landforms that would ease their passage and establish camps on locations with gentle slope sheltered from the elements. In this context, modeling for favorable attributes in slope, aspect, elevation and surficial geology was essential to assess potential for any given location (Figure 4).

There is a strong positive correlation between micro-landforms and archaeological sites. An algorithm to identify micro-landforms was applied. Potential for the presence of pictographs was modeled through the co-occurrence of rock outcrops, slope and water courses. On the other hand, CMT occurrence was not influenced by slope, aspect or micro-landforms and these variables were not included in the CMT model. The results of this assessment are presented in Table 6.
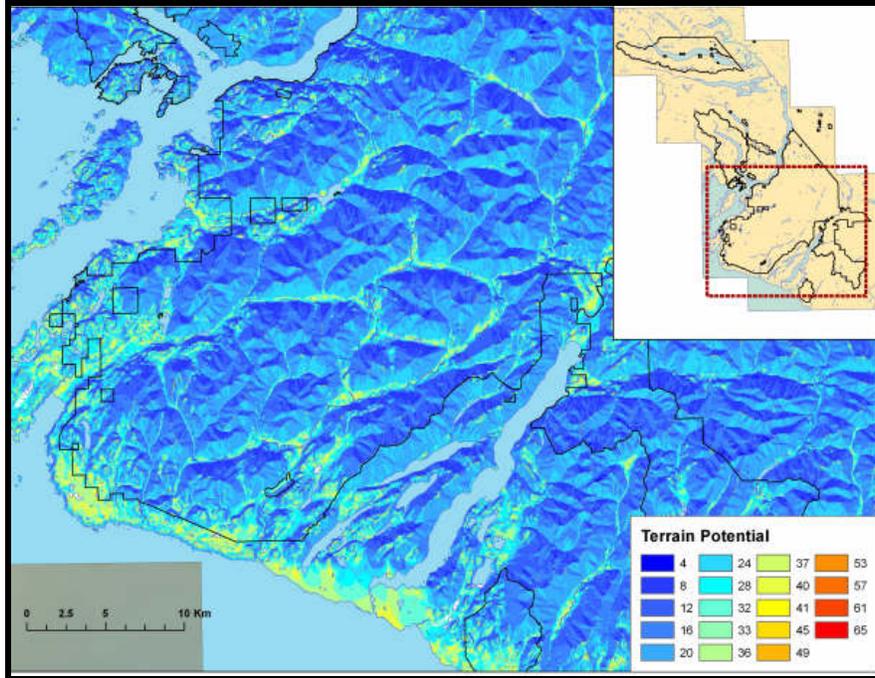
Figure 4: Terrain potential.

Table 6: Terrain Features

Description	Value	Weight	Weighted value
SLOPE			
0-3 deg	5	4	20
3.1-6 deg	4	4	16
6.1-9 deg	3	4	12
9.1-45 deg	1	4	4
>45 deg	0	4	0
ASPECT			
N 337.6°-22.5°	1	4	4
NE 22.6°-67.5°	2	4	8
E 67.6°-112.5°	3	4	12
SE 112.6°-157.5°	4	4	16
S 157.6°-202.5°	5	4	20
SW 202.6°-247.5°	4	4	16
W 247.6°-292.5°	3	4	12
NW 292.6V-337.5°	2	4	8
Flat	5	4	20
ELEVATION			
700-830 m	5	3	15
831-1300 m	3	3	9
>1300 m	1	3	3
SURFICIAL GEOLOGY			
Fluvial Lacustrine	3	5	15
Colluvium	2	5	10
LANDFORMS	5	5	25
ROCK OUTCROP (pictograph)	2	5	10

Identifying micro-landforms is an important part of this model since:
1. Sites occur in places slightly elevated above nearby ground.
2. Sites tend not to occur in places where there is even higher elevation nearby.
3. Sites also occur on the slope breaks above major river valleys, or near the edges of terraces - all of which tend not to have higher elevation.

The identification of micro-landforms can be done through a relatively simple yet robust mathematical model. The topographic differences are measured by calculating the differences between the elevation of a central cell and its eight surrounding cells. A 3 x 3 cell window can be run to subtract the values of the eight surrounding cells (S) from the central cell (C) (C minus S). These values are stored and the sum of these is assigned to the central cell. When the central cell is higher in elevation, the resulting value will be positive. Conversely, if a negative value is obtained it will mean that the central cell is lower than some or all of the surrounding cells (Eldridge *et al.* 2002). Three values were calculated following this algorithm:

1. The sum of the positive difference values;
2. The sum of the negative difference values;
3. The count of the positive values within the central cell.

These values are used to identify and characterize micro-landforms that otherwise would be lost. Areas with steep slopes will have much larger absolute value sums than flatter areas. Hilltops, flat ridges and depressions can be identified by counting positive values. A hilltop will have a positive value count of 8, since it will be higher than any surrounding cell. The crest of a sloping ridge can have a count of 6 or 7, since one or two cells along the crest of the ridge will be higher, but the remainder will be lower. A terrace edge will have a positive count of about 4-6, but will be differentiated from a hillside or steeply sloping ridge by having a very small sum of negative values and a large sum of positive values. Depressions will have a low positive count, 0 or 1 (Eldridge *et al.* 2002). The various values combine to characterize the topography of each cell (Figure 5).
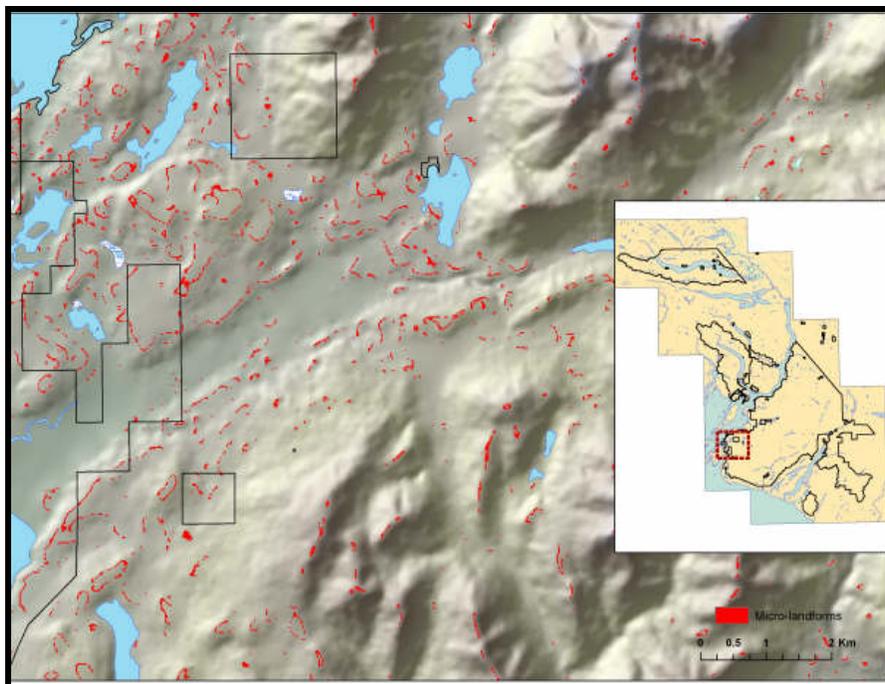
Figure 5: Micro-landform identification

4.2.4 Forest cover and ecotones

Variation in forest cover can be used as a rough guide to identify well-drained soils. Likewise, since each different tree stand is associated with a specific plant community, it can be used to estimate the abundance of plant and faunal resources of importance to Native peoples. Although nearly all of the tree species present in the study area have been recorded as having been utilized in some way by Native peoples, greater weighted value was assigned to red and yellow cedar trees and western and mountain hemlock. Final scores for tree species potential were obtained by computing the ratio between weighted

value and percentage of species composition. Likewise, even though it is difficult to model for CMTs, field observations and statistical analysis indicated that the presence of cedar and mature forests older than 100 years substantially increased the likelihood of CMT presence. Thus these variables were assigned a greater weight in order to increase the predictability in the CMT model. Field observations suggest that older standing cedar is often present in previously logged areas along water courses. This is a variable that is difficult to factor into the CMT model.

Finally, the transition between one BGC zone and another, as well as between sub-zones (ecotone), represents bio-diverse locations that would have been prime resource spots for human groups. Thus, these were buffered up to 250 m. The variables and their weighted values are presented in Table 7.

Table 7: Forest resources

Forest resources scores by species			
Description	V (Value)	W (Weight)	WV (Weighted value)
C (for CMT's)	5	4	20
C	5	2	10
Cw	5	2	10
Cw (for CMT)	5	4	20
H	5	2	10
Hm	5	2	10
Hw	5	2	10
Yc (for CMT)	5	4	20
Yc	5	2	10
Pl	5	2	10
Pw	4	2	8
F	4	2	8
Fd	4	2	8
B	4	2	8
Ba	4	2	8
Bg	4	2	8
Bp	4	2	8
S	3	2	6
Ss	2	2	4
D	1	2	2
Mb	1	2	2
Scores by forest age			
Description	Yr_val	Yr_wght	Score
Age > 100 years	5	2	10
Scores by ecotone buffers			
0 – 50 m	51 – 100 m		101 – 250 m
15	14		13

4.2.5 Final models

The various layers were combined through additive operations using the Arc View module Raster Calculator, thus obtaining a raw-score model for CMT and archaeological sites. Potential values ranged from 0 to 148 for CMT potential and 4 to 189 for archaeological potential. Initially, both raw-score models were combined to produce an overall archaeological potential model, but further evaluation showed that keeping the models separate was of greater advantage for case-specific cultural resource management decisions (Figures 6a, 6b).
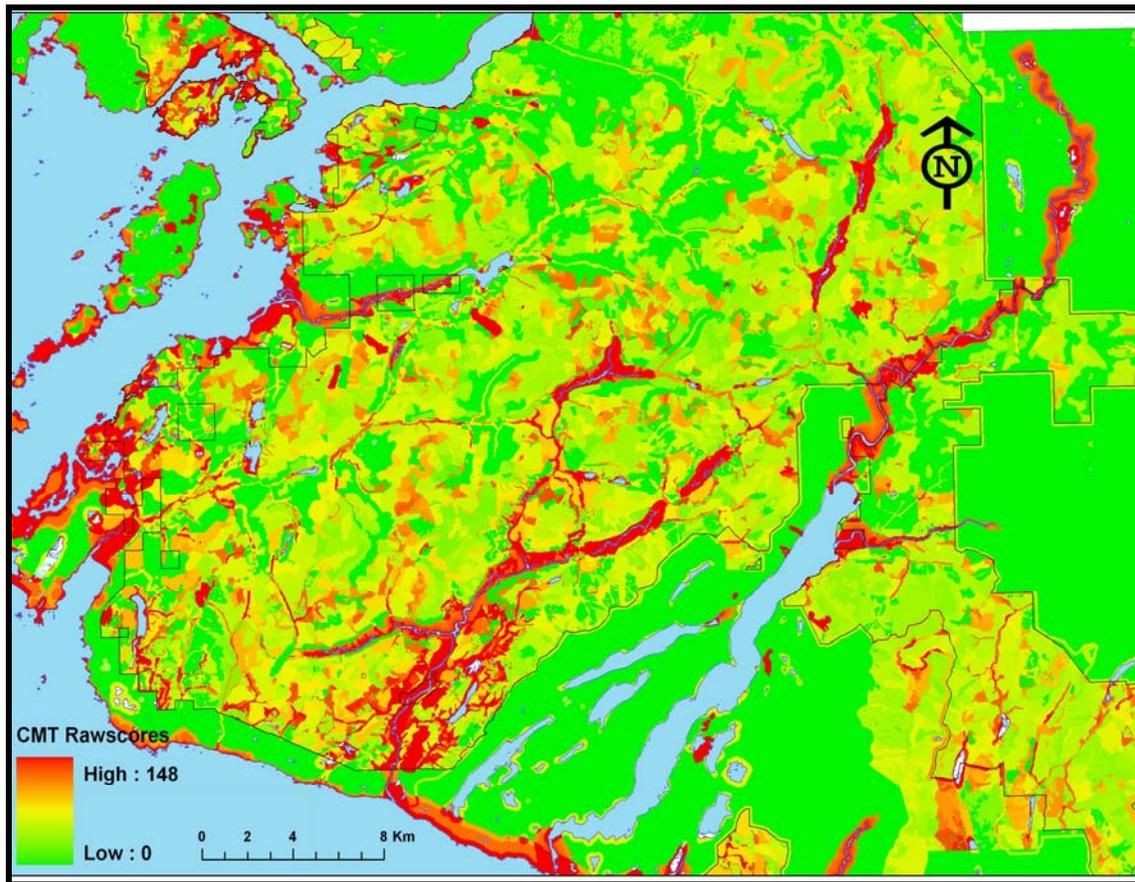
Figure 6a: Raw potential score results for CMT model.
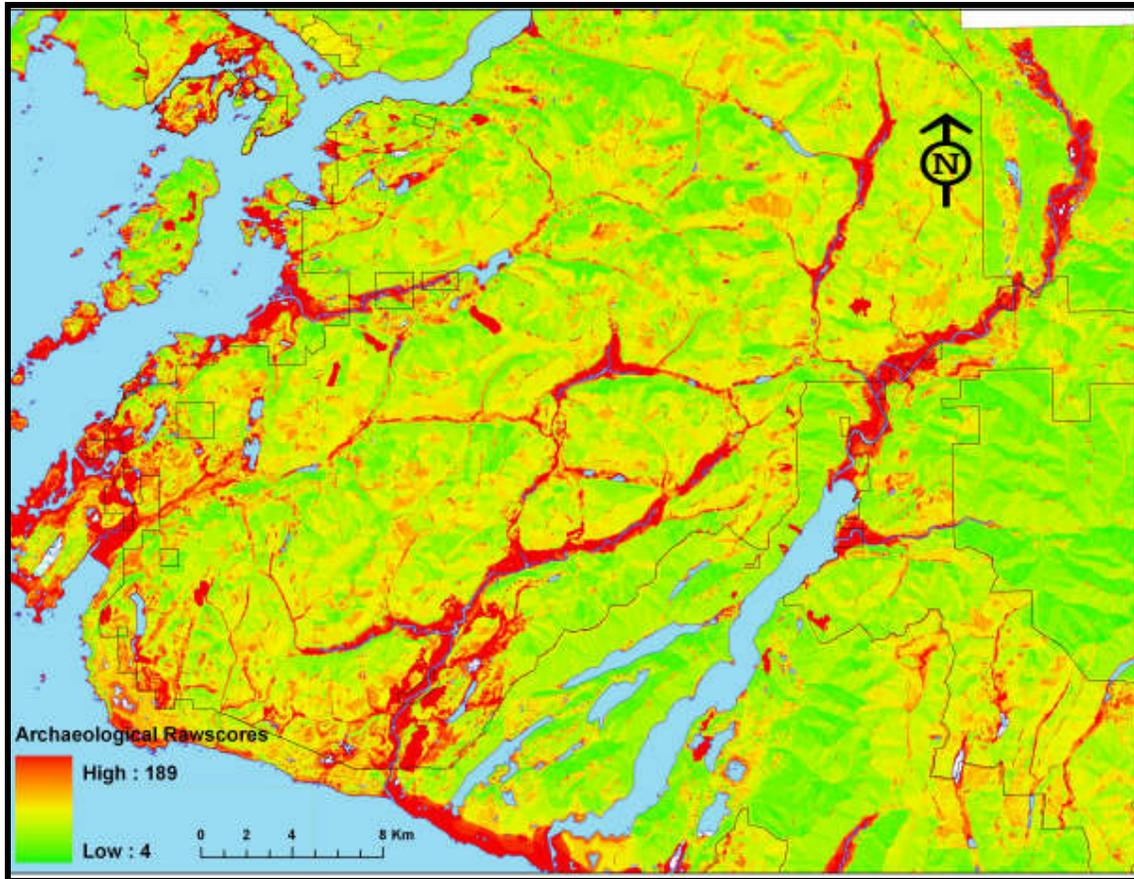
Figure 6b: Raw potential score results for Archaeological model.

4.2.5.1 Classification method

The raw-score models were initially divided into six classes including very low, low, moderate, moderate high, high, and very high. Following field inspection and further statistical analysis, they were reclassified into low, moderate and high potential areas. The classification method followed an exploratory analysis of the descriptive statistics of the raw score models which were classified into a six and three-tier scheme using a method known as the Fisher-Jenk's algorithm (Fisher 1958; Jenks 1977). This algorithm determines the best arrangement of values into classes by comparing sums of the squared difference between observed values within each class and class means. This is a form of variance-minimization classification. It is based on the assumption that the most suitable classification scheme is the one which minimizes the differences between the observed data values and the average of the data values. These classification methods are called optimization methods. The creation of optimal classes are based on a statistical criterion, in this case a goodness of variance fit factor (GVF), which is calculated as follows:

$$GVF = SDAM - SDCM / SDAM$$

Where:

SDAM is the squared deviations from the array mean

SDCM is the squared deviations from the class mean

This method has proven to be one of the best classification methods wherein the sum of the variance within each of the classes is minimized determining class boundaries (in this case low, moderate and high) in an optimal manner.

4.2.5.2 Model performance

The models represent a continuous surface across the extent of the study area. In order to obtain a precise estimation of the land surface covered by each potential class, the area covered by water bodies was removed from the final models, and then the percentage of land surface comprised by each level of potential was obtained (Table 8).

Table 8: Summary of modeling results

Model	Total Area	Low Ha	Low %	Moderate Ha	Moderate %	High Ha	High %
CMT Potential 3-Class Model	452,529 Ha	409,619	90.5%	30,958	6.8%	11,952	2.6%
Archaeological Potential 3-Class Model	452,529 Ha	401,114	89%	29,496	6%	21,920	5%

Field observations regarding CMT and archaeological potential were compared with the 3-Class model as a judgemental assessment of the model. Both archaeological potential and CMT potential were evaluated in this way.

4.2.5.2.1 Judgementally Assessed CMT Predictability

Of the 76 field visits, a clear discrepancy in predicted versus judgemental CMT potential was noted in 16 cases (Table 9). This represents 79% accuracy in judgementally assessed CMT predictability.

Table 9: Rationale for Discrepancies in CMT Predictability

Site Visit	Predicted CMT potential	Field CMT Potential	Rational for discrepancy
2	Low	High	Traditional Use Area
4	Low	High	Mature cedar on creek edge
16	Low	High	Old growth cedar present on river edge, riparian zone of old clear-cut
27	High	Low	No mature standing timber, immature cedar present
33	High	Low	Mature spruce but no cedar present
36	Low	High	Occasional big mature cedars present, one CMT noted
37	Low	High	Occasional large standing cedars
38	High	Low	Alder floodplain
40	High	Low	Alder only
46	High	Low	No mature timber, 2nd growth only
47	High	Low	2nd growth timber
51	High	Low	No mature standing timber, no cedar
61	High	Low	Site of Franklin sawmill = disturbed/cleared of all vegetation
68	High	Low	No mature timber
69	High	Low	Campground, entirely cleared of timber
75	Low	High	Mature timber

In six of the sixteen discrepancies, CMT potential was perceived as high in the field where the CMT model suggests low potential for CMT presence. Five areas were judgementally considered to have high potential because mature cedars were observed in riparian management areas adjacent to harvested cut blocks, or the presence of a small number of relatively old cedar trees among a generally much younger stand of cedar and one was considered to have high potential because of traditional use data obtained from a First Nation representative.

In ten cases, the CMT model predicted high potential but field observations downgraded the potential to low. In eight of these cases, potential was downgraded either because the area consisted entirely of second growth timber or no cedar was present. In two cases, potential was downgraded to low due to previous disturbance. One area was entirely cleared of timber for a campground while the other was the site of the Franklin sawmill.

These field observations suggest that the CMT model appears to be a good risk management tool. Potential was generally judgementally rated higher than the model in areas unlikely to be harvested due to environmental considerations and potential was judgementally considered to be lower than the model predicted in areas with young stand ages. Young stands are a less likely target for harvesting operations. However, if harvesting was planned and cultural modifications identified, they would likely be too young to be protected by heritage legislation.

4.2.5.2.2 Site Record Assessment of CMT Predictability

Ninety percent of recorded CMT sites fall within areas defined by the CMT model as moderate or high potential. This is considered a good result given how difficult CMT locations are to predict. Sixty-nine percent of the CMT sites fall within high potential areas and 21% fall within moderate potential areas. When sites with only one CMT are considered, predictability decreases to 84% but this is still considered a good result. Isolate CMTs are very difficult to predict. Sites with two CMTs are successfully predicted.

4.2.5.2.3 Judgementally Assessed Archaeological Predictability

Of the 76 field visits, a clear discrepancy in predicted versus judgemental archaeological potential was noted in just five cases (Table 10). This represents 93% accuracy of the model compared to judgementally assessed archaeological potential. Five areas were judgementally considered to have low potential that had been evaluated as having high potential by the model. The potential of two areas was judgementally considered to be low based on a combination of slope and featureless terrain, one area evidenced poorly drained terrain, one had rocky terrain and one was previously significantly disturbed. The fact that all areas would have been examined based on model results suggest that areas of archaeological potential are adequately protected. Survey would very quickly downgrade potential.

Table 10: Rationale for Discrepancies in Archaeological Predictability

Field Inspection	Predicted Archeological Potential	Field Archaeological Potential	Rational for discrepancy (based on field notes)
8	High	Low	Creek on slope, no level banks or topographical features
18	High	Low	Low lying and poorly drained
44	High	Low	Nondescript sloping terrain removed from water source
64	High	Low	Steep rocky bluffs to shoreline, very rocky
65	High	Low	Rocky bluffs, level areas created by old road blasting

4.2.5.2.4 Site Record Assessment of Archaeological Predictability

Records on file for each of the 22 archaeological sites recorded within the TFL 44 boundary were examined to evaluate model performance. Just two archaeological sites (a rock shelter and a cairn) fall in areas defined as low potential in the archaeological model. This represents 91% accuracy in archaeological site predictability. The cairn is likely an

historic feature rather than an archaeological site. The rock shelter was recorded in the field based on traditional use data.

It can be seen that there is 93% agreement between the model and judgemental assessment of archaeological potential and 80% agreement regarding CMT potential between the model and the judgemental assessment. There is 91% accuracy of the model in predicting known archaeological sites and 95% accuracy in predicting CMT sites with more than two CMTs (Table 11).

Table 11: Judgemental vs. Site Record Assessment of Model Performance

Judgemental Assessment	Agreement %	Site Record Assessment (Entire TFL)	Accuracy %
Archaeological Potential	93%	Archaeological Potential	91%
CMT Potential	79%	CMT Potential	90%
		CMT Potential (1 CMT)	84%
		CMT Potential (2 CMTs)	94%
		CMT Potential (more than 2 CMTs)	95%

5. RECOMMENDATIONS

The archaeological predictive model prepared for TFL 44 is presented in two versions. One version relates to CMT potential and the other to archaeological potential. Shapefiles of each version are attached on a CD.

The archaeological model is used to determine if an AIA or PFR study is necessary for specific cut blocks. The CMT model should be used to determine if a CMT survey (PFR) is appropriate.
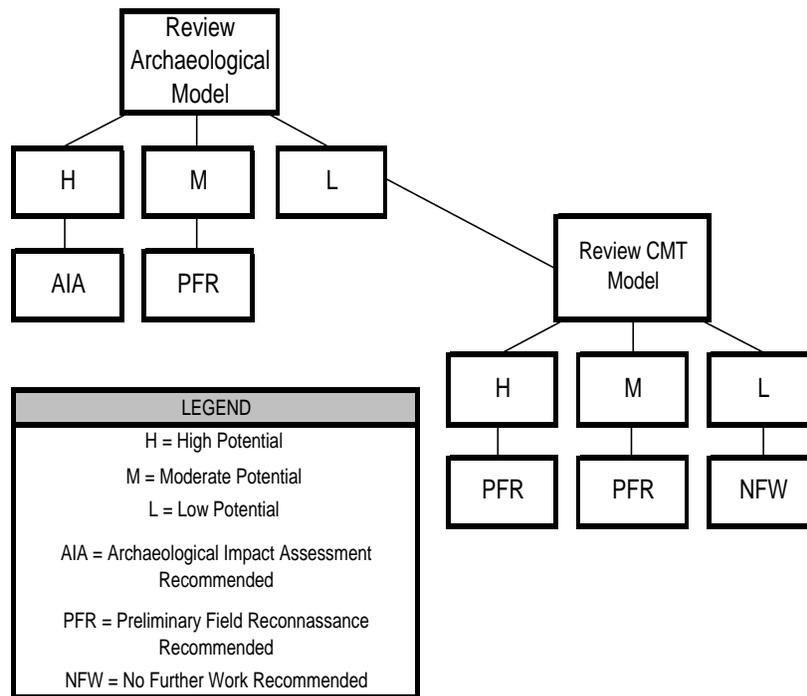
In some cases, only a small number of high or moderate potential pixels may be within proposed development. In this case, a more detailed examination process should be followed.

a) If a relatively small area of high potential is identified within a proposed cut block, the appropriate management strategy should be based on the size of the high potential area. If ten or more contiguous high potential pixels are present (including pixels overlapping a development boundary) an AIA is recommended for that high potential area. If five to nine contiguous pixels are present, a PFR is recommended. If less than

five contiguous high potential pixels contiguous with ten or more moderate potential pixels are present, a PFR is recommended. If a group of less than five contiguous high potential pixels contiguous with less than ten moderate potential pixels are present, no further work is recommended.

b) If a relatively small area of moderate potential is identified within a proposed cut block, a similar process should be followed. If ten of more contiguous moderate potential polygons are present within or overlapping a development area, a PFR is recommended for that portion of the proposed development. If less than ten contiguous pixels are present no further work is recommended.

Archaeological potential models are only as good as the data they contain. As additional archaeological data (i.e. traditional use data) are gathered in TFL 44, and the study region, the model can be refined to produce better results over time. The model is designed to be adjusted easily as additional data are gathered.

The level of shovel testing within the TFL boundary has been very limited. The level of confidence in previous archaeological results is therefore very low and the model reflects this by possibly over predicting potential for subsurface archaeological sites. In order to address this deficiency, an archaeological inventory is recommended. Field verification would include intensive subsurface testing and should focus on areas where an AIA or PFR is recommended based on model results. An inventory would result in a more confident assessment of potential and allow for more straight-forward recommendations

In addition to a lack of shovel testing, a high number of CMT sites consisting of just one tree have been recorded in the TFL. Field verification of these sites, if possible, is also recommended. The number of CMT sites consisting of just one tree has also resulted in a conservative potential rating for CMT sites.

Field observations made during this study were used to finalize the database of variables used for statistical analysis and the final adjustments to the model. Likewise, Western Forest Products' personnel should be encouraged to provide feedback after initial reconnaissance of proposed harvesting areas. As CMTs are always difficult to predict standing and fallen trees predating A.D. 1846 will have the potential to exhibit cultural modifications protected by the *Heritage Conservation Act*.

In all models some archaeological sites are found in areas defined as having low archaeological potential. In the event that archaeological resources (including CMTs) are identified during harvesting operations, work in the vicinity of the find should stop and the Archaeology Branch of the Ministry of Tourism, Culture and the Arts notified. Such materials may consist of historic refuse or structural remains and/or prehistoric materials consisting of shell midden, bone, chipped stone, debitage (debris from the manufacture of stone tools) or other materials. Historic and prehistoric materials older than A.D. 1846 are protected by legislation.

References Cited

Anaya-Hernández, A.

2001a   Site interaction and political geography in the Upper Usumacinta Region during the Late Classic: a GIS approach. Hadrian Books, Oxford.

2001b   The history of spatial analysis and GIS in archaeology. Encyclopedia of Archaeology. T. Murray. CLIO. II**:**570-572, New York/London.

2006   Strategic location and territorial integrity: the role of subsidiary sites in the Classic Maya Kingdoms of the Upper Usumacinta Region. Internet Archaeology 19 (Winter 2005).

Arima, E. and John Dewhirst

1990   Nootkans of Vancouver Island. Handbook of North American Indians: Northwest Coast 7: 391-411, Smithsonian Institution, Washington, D.C.

Benson, K., R. Vincent, et al.

2003   Archaeological overview of Northeastern British Columbia: year three report. Ministry of Tourism, Culture and the Arts, Victoria.

Bonner, Fraser and Morley Eldridge

2001   Final report for the archaeological overview and inventory of a portion of Ditidaht First Nation traditional territory, Permit 2000-321, Ministry of Tourism, Culture and the Arts, Victoria

Canuel, N. and A. Maas

1997   Archaeological potential model and pilot study: Prince George Forest District. Prince George, B.C. Ministry of Tourism, Culture and the Arts, Victoria.

Carlson, A. K.

1996   Detailed archaeological overview assessment of proposed 1996 logging blocks in the Vanderhoof Forest District. Ministry of Tourism, Culture and the Arts, Victoria.

Dady, P., M. Eldridge, et al.

2001   Archaeological overview of Northeastern British Columbia: year one report. Ministry of Tourism, Culture and the Arts, Victoria.

Ebert, D.

2004   Applications of archaeological GIS. Canadian Journal of Archaeology/Journal Canadien d'Archaéologie 28(2): 319-341.

Eldridge, M. and A. Anaya-Hernández
    2005   Archaeological overview of Northeastern British Columbia: year four and five report and project summary. Ministry of Tourism, Culture and the Arts, Victoria.

Eldridge, M. and A. Mackie
    1993   Predictive modelling and the existing archaeological inventory in British Columbia. Archaeology Task Group of Soils, Geology and Archaeology Task Force Resources Inventory Committee, Victoria.

Eldridge, M., D. A. Owens, et al.
    2002   Archaeological overview of Northeastern British Columbia: year two report. Ministry of Tourism, Culture and the Arts, Victoria.

Field, Rob M. and Arnoud H. Stryd
    1997   Final report for archaeological assessments proposed by MacMillan Bloedel Limited, Franklin Woodlands Divisions, conducted under Permit 1996-011, Ministry of Tourism, Culture and the Arts, Victoria.

Field, Rob M., Vicki Feddema and Arnoud H. Stryd
    1996   Final report for the archaeological impact assessments conducted in 1995 for the Huu-ay-aht First Nations and MacMillan Bloedel Limited, Franklin Woodlands Division, Permit 1995-128, Ministry of Tourism, Culture and the Arts, Victoria.

Fisher, W. D.
    1958   On grouping for maximum homogeneity. Journal of the American Statistical Association 53 789-98

Grant, Owen
    2006   Archaeological impact assessment for the South Island Forest District. Permit 2006-0141. Ministry of Tourism, Culture and the Arts, Victoria.

Grant, Owen and Chris Engisch
    2007   Final report for archaeological impact assessments within the South Island Forest District, Permit 2004-386, Ministry of Tourism, Culture and the Arts, Victoria.

Haggarty, James C. and Richard I. Inglis
    1985   Historical resources site survey and assessment, Pacific Rim National Park, Permit 1983-008, Ministry of Tourism, Culture and the Arts, Victoria.

Howard, Rick, Richard P. Brolly and Vicki Feddema
      1996   Ditidaht archaeological site inventory project, conducted under Permit 1996-023, Ministry of Tourism, Culture and the Arts, Victoria.

Huculak, S.A. and B. Hermstad
      2008   Archaeological overview assessment of Southern Vancouver Island WFP Lands Review, Jordan River, B.C.

Jenks, G. F.
      1977   Optimal data classification for choropleth maps, University of Kansas, Department of Geography Occasional Paper 2. Lawrence, Kansas.

John, Maxwell, Owen Grant, Chris Engish, Fraser Bonner, Pete Dady
      2000   South Island Forest District: Nitinaht Lake (Looper Creek), Barkley Sound, Alberni Inlet, Stamp and Ash Rivers, Sproat and Great Central Lakes. Archaeological impact assessments final report on the 98-99 field season, Permit 1998-104, Ministry of Tourism, Culture and the Arts, Victoria.

Marshall, A. and T. Bond
      2004   Fort St. James Forest District archaeological predictive model revision project: final report. Ministry of Tourism, Culture and the Arts, Victoria.

McMillan, Alan D
      1996   Since Kwatyat lived on earth: An examination of Nuu-chah-nulth culture history. Ph.D. dissertation, Department of Archaeology, Simon Fraser University.

      1998   Changing view of Nuu-chah-nulth culture history: evidence of population replacement in Barkley Sound. Canadian Journal of Archaeology. 22 (1): 5-18.

McMillan, Alan D and Denis E. St. Claire
      1982   Alberni prehistory: archaeological and ethnographic investigation in Western Vancouver Island. Theytus Books, Penticton, B.C.

      2005   Ts'ishaa: archaeology and ethnography of Nuu-chah-nulth origin site in Barkley Sound. Archaeology Press. Department of Archaeology, Simon Fraser University, Burnaby BC

Pegg, Brian
      2000   Dendrochronology, CMTs, and Nuu-chah-nulth history on the west coast of Vancouver Island. Canadian Journal of Archaeology. 24: 77-88.

Schaepe, David
> 1997   Final report for archaeological assessments for the Ministry of Forests, Port Alberni Forest District, conducted under Permit 1996-210, Ministry of Tourism, Culture and the Arts, Victoria.

Williamson, Laurie and Alexander Mackie
> 1983   Ohiat ethnoarchaeological project. Permit 1984-0026. Ministry of Tourism, Culture and the Arts, Victoria.

Appendix A

Site Type Summary
(Excluding Shipwrecks)

Borden Number	Easting	Northing	UTM Zone	Typology	Within Tenure Area
DdSe 10	366576	5391432	10	PRECONTACT, Cultural Material, Subsurface, Shell Midden |STR,STR,STR,STR	
DdSe 11	366794	5391706	10	PRECONTACT, Cultural Material, Subsurface, Shell Midden |STR,STR,STR,STR	
DdSe 12	367874	5389044	10	PRECONTACT, Cultural Material, Subsurface, Shell Midden |PRECONTACT,Cultural Material,Surface,|STR,STR,STR,STR	
DdSe 14	365022	5391372	10	PRECONTACT, Ceremonial/Religious Feature, Rock Art, Petroglyph	
DdSe 15	366705	5391055	10	HISTORIC, Human Remains, |HISTORIC, Human Remains, cemetary |STR,STR,STR,STR	
DdSe 16	365811	5391462	10	HISTORIC, Building, Religious, church	
DdSe 17	371534	5385981	10	HISTORIC, Cultural Material, |PRECONTACT, |PRECONTACT, Cultural Material, Subsurface, Shell Midden |PRECONTACT, Habitation Feature, Cultural Depression, Plank House |PRECONTACT, Habitation Feature, House Post/Mould|PRECONTACT, Transportation Feature, Petroform, Canoe Skid |STR,STR,STR,STR	
DdSe 18	368361	5388840	10	HISTORIC, Building, Habitation, |HISTORIC, Building, Habitation, cabin	
DdSe 19	366554	5391529	10	HISTORIC, Building, Habitation, cabin	
DdSe 2	368568	5388801	10	PRECONTACT, Ceremonial/Religious Feature, Rock Art, Petroglyph	
DdSe 20	365131	5391256	10	HISTORIC, Transportation, Marine, shipwreck |STR,STR,STR,STR	
DdSe 21	367568	5391499	10	PRECONTACT, Subsistence Feature, |PRECONTACT, Subsistence Feature, Fishing, Fishing Weir	
DdSe 22	367412	5391408	10	PRECONTACT, Subsistence Feature, Fishing, |PRECONTACT, Subsistence Feature, Fishing, Fish Trap	
DdSe 23	366445	5391364	10	HISTORIC, Building, Habitation, cabin |HISTORIC, Building, Habitation, log cabin |HISTORIC, Cultural Material, surface, refuse |STR,STR,STR,STR	
DdSe 24	366831	5391732	10	HISTORIC, Cultural Material, surface, refuse	
DdSe 25	367646	5391484	10	HISTORIC, Building, Habitation,	
DdSe 26	371609	5386128	10	TRADITIONAL USE, Culturally Modified Tree, |TRADITIONAL USE, Culturally Modified Tree, aboriginally logged, flat stump |TRADITIONAL USE, Culturally Modified Tree ,aboriginally logged, stump |TRADITIONAL USE, Culturally Modified Tree ,bark stripped, |TRADITIONAL USE, Culturally Modified Tree, bark stripped, tapered scar	
DdSe 27	366111	5391634	10	HISTORIC, Building, Habitation, |HISTORIC, Cultural Material, surface, refuse |PRECONTACT, Cultural Material, Subsurface, Shell Midden|PRECONTACT, Habitation Feature, Platform |STR,STR,STR,STR	
DdSe 29	367136	5389966	10	HISTORIC, Transportation, Marine, shipwreck |STR,STR,STR,STR	
DdSe 3	368361	5388834	10	PRECONTACT, Ceremonial/Religious Feature, Rock Art, Petroglyph	
DdSe 30	365514	5391118	10	HISTORIC, Transportation, Marine, shipwreck	
DdSe 32	367893	5388917	10	HISTORIC, Transportation, Marine, |HISTORIC, Transportation, Marine, shipwreck	
DdSe 33	366473	5391503	10	HISTORIC, Transportation, Marine, |HISTORIC, Transportation, Marine, shipwreck	
DdSe 34	373209	5390397	10	TRADITIONAL USE, Culturally Modified Tree, bark stripped, tapered scar	yes
DdSe 4	365599	5391436	10	HISTORIC, Building, Habitation, cabin |HISTORIC, Cultural Material, surface, refuse |PRECONTACT, Cultural Material, Subsurface, Shell Midden |STR,STR,STR,STR	
DdSe 5	368200	5388900	10	HISTORIC,Other,Communications,telegraph wire|PRECONTACT,Cultural Material,Subsurface,Shell Midden|STR,STR,STR,STR	
DdSe 6	368314	5388876	10	HISTORIC,Building,Habitation,cabin|PRECONTACT,Cultural Material,Subsurface,Shell Midden|STR,STR,STR,STR	
DdSe 7	369988	5387032	10	PRECONTACT,Cultural Material,Subsurface,Shell Midden|PRECONTACT,Habitation Feature,|STR,STR,STR,STR	
DdSe 9	368090	5388912	10	HISTORIC,Transportation,Trail,|PRECONTACT,Cultural Material,Subsurface,Shell Midden|PRECONTACT,Cultural Material,Surface,|PRECONTACT,Transportation Feature,Trail|STR,STR,STR,STR	
DdSf 1	364789	5391564	10	PRECONTACT,Ceremonial/Religious Feature,Rock Art,Petroglyph	
DdSf 3	365028	5391459	10	HISTORIC,Building,Commercial,|HISTORIC,Building,Communications,post office|HISTORIC,Industrial/General,	
DeSd 1	382727	5407598	10	STR,STR,STR,STR|TRADITIONAL USE,Culturally Modified Tree,bark stripped,	
DeSd 2	384655	5407115	10	STR,STR,STR,STR|TRADITIONAL USE,Culturally Modified Tree,bark stripped,	
DeSd 3	378444	5407720	10	STR,STR,STR,STR|TRADITIONAL USE,Culturally Modified Tree,bark stripped,	yes
DeSd 4	378919	5408893	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,|TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DeSd 5	381490	5408299	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DeSd 6	381533	5408210	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DeSe 1	377454	5408192	10	PRECONTACT,Forest Utilization,Aboriginally Logged,Canoe	yes
DeSe 10	369493	5403059	10	TRADITIONAL USE,Culturally Modified Tree,	

DeSe 11	370288	5403008	10	TRADITIONAL USE,Culturally Modified Tree,	
DeSe 12	371140	5403174	10	TRADITIONAL USE,Culturally Modified Tree,	
DeSe 13	370338	5402656	10	TRADITIONAL USE,Culturally Modified Tree,	
DeSe 14	368905	5402039	10	TRADITIONAL USE,Culturally Modified Tree,	
DeSe 15	367382	5401461	10	TRADITIONAL USE,Culturally Modified Tree,	
DeSe 16	365656	5400833	10	TRADITIONAL USE,Culturally Modified Tree,	
DeSe 17	372212	5403889	10	TRADITIONAL USE,Culturally Modified Tree,	
DeSe 18	366631	5393903	10	TRADITIONAL USE,Culturally Modified Tree,	
DeSe 19	367304	5396203	10	TRADITIONAL USE,Culturally Modified Tree,	
DeSe 2	365415	5394992	10	HISTORIC,Building,Habitation,|HISTORIC,Building,Habitation,cabin|PRECONTACT,Cultural Material,Subsurface,Shell Midden|STR,STR,STR,STR	
DeSe 20	368826	5398920	10	TRADITIONAL USE,Culturally Modified Tree,	
DeSe 21	368723	5396046	10	TRADITIONAL USE,Culturally Modified Tree,	
DeSe 22	377064	5407371	10	HISTORIC,Building,Military,|HISTORIC,Cultural Material,surface,	
DeSe 23	376510	5405632	10	PRECONTACT,Cultural Material,Subsurface,Shell Midden|STR,STR,STR,STR	yes
DeSe 24	372006	5403753	10	PRECONTACT,Subsistence Feature,Fishing,Fish Trap	
DeSe 25	372383	5403910	10	HISTORIC,Building,Habitation,|PRECONTACT,Cultural Material,Subsurface,Shell Midden|PRECONTACT,Cultural Material,Surface,|PRECONTACT,Subsistence Feature,|STR,STR,STR,STR	
DeSe 26	372277	5400022	10	HISTORIC,Cultural Material,surface,refuse|PRECONTACT,Cultural Material,Subsurface,Shell Midden|STR,STR,STR,STR	
DeSe 27	376075	5408382	10	HISTORIC,Cultural Material,subsurface,refuse|PRECONTACT,Cultural Material,|PRECONTACT,Cultural Material,Subsurface,Shell Midden|STR,STR,STR,STR	
DeSe 28	368750	5396120	10	HISTORIC,Cultural Material,surface,refuse|STR,STR,STR,STR	
DeSe 29	372799	5401073	10	HISTORIC,Building,Habitation,cabin|PRECONTACT,Cultural Material,Surface,|STR,STR,STR,STR	
DeSe 30	369212	5396931	10	CHIN Feature Remarks,|TRADITIONAL USE,Culturally Modified Tree,	
DeSe 32	372208	5403350	10	CHIN Feature Remarks,|HISTORIC,Cultural Material,surface,	
DeSe 33	372938	5401020	10	CHIN Feature Remarks,|TRADITIONAL USE,Culturally Modified Tree,	
DeSe 34	365889	5395069	10	CHIN Feature Remarks,|TRADITIONAL USE,Culturally Modified Tree,	
DeSe 35	373855	5403774	10	TRADITIONAL USE,Culturally Modified Tree,	
DeSe 36	376498	5405521	10	CHIN Feature Remarks,|TRADITIONAL USE,Culturally Modified Tree,	yes
DeSe 37	368816	5396123	10	HISTORIC,Building,Habitation,|TRADITIONAL USE,Culturally Modified Tree,	
DeSe 38	366246	5395156	10	PRECONTACT,Human Remains,Burial	
DeSe 39	370349	5397580	10	TRADITIONAL USE,Culturally Modified Tree,|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,felled|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,planked|TRADITIONAL USE,Culturally Modified Tree,bark stripped,	
DeSe 4	369379	5393002	10	PRECONTACT,Subsistence Feature,Fishing,Fishing Weir	
DeSe 40	373802	5402025	10	STR,STR,STR,STR|TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DeSe 41	370959	5398224	10	STR,STR,STR,STR|TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DeSe 42	370923	5398976	10	STR,STR,STR,STR|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,felled|TRADITIONAL USE,Culturally Modified Tree,bark stripped,	
DeSe 43	372009	5404245	10	TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,felled|TRADITIONAL USE,Culturally Modified Tree,bark stripped,	
DeSe 44	375137	5404555	10	STR,STR,STR,STR|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,felled|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,planked|TRADITIONAL USE,Culturally Modified Tree,bark stripped,	yes
DeSe 45	370493	5396675	10	STR,STR,STR,STR|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,felled|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,planked|TRADITIONAL USE,Culturally Modified Tree,bark stripped,	
DeSe 46	374799	5407026	10	STR,STR,STR,STR|TRADITIONAL USE,Culturally Modified Tree,bark stripped,	
DeSe 47	373628	5401390	10	STR,STR,STR,STR|TRADITIONAL USE,Culturally Modified Tree,|TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DeSe 48	375994	5401973	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DeSe 49	376438	5402405	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DeSe 5	365906	5401302	10	TRADITIONAL USE,Culturally Modified Tree,	
DeSe 50	374500	5406200	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DeSe 51	376500	5408800	10	PRECONTACT,Cultural Material,Subsurface,Faunal|PRECONTACT,Cultural Material,Subsurface,Lithics|PRECONTACT,Cultural Material,Subsurface,Shell Midden|PRECONTACT,Habitation Feature,Platform|STR,	
DeSe 52	373600	5405100	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	

DeSe 53	371450	5393650	10	TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,flat stump|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,tested|TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DeSe 54	367358	5404480	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DeSe 55	372291	5406833	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DeSe 6	367049	5401931	10	TRADITIONAL USE,Culturally Modified Tree,	
DeSe 7	367813	5402390	10	TRADITIONAL USE,Culturally Modified Tree,	
DeSe 8	368144	5402568	10	TRADITIONAL USE,Culturally Modified Tree,	
DeSe 9	368317	5402638	10	TRADITIONAL USE,Culturally Modified Tree,	
DeSf 1	361476	5393248	10	CHIN Feature Remarks,|PRECONTACT,Human Remains,Cave	
DeSf 10	364088	5394606	10	PRECONTACT,Cultural Material,|PRECONTACT,Cultural Material,Subsurface,Shell Midden|PRECONTACT,Cultural Material,Subsurface,Wet Site|PRECONTACT,Habitation Feature,Cultural Depression,Plank House|STR,STR,STR,STR|TRADITIONAL USE,Culturally Modified Tree,|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,canoe	
DeSf 11	356295	5396008	10	PRECONTACT,Cultural Material,Subsurface,Shell Midden|STR,STR,STR,STR	
DeSf 13	363745	5393111	10	HISTORIC,|HISTORIC,Building,Commercial,|HISTORIC,Building,Habitation,	
DeSf 14	361695	5395877	10	HISTORIC,Building,Habitation,cabin	
DeSf 15	361310	5393153	10	PRECONTACT,Human Remains,Burial|STR,STR,STR,STR	
DeSf 16	363045	5398930	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,	
DeSf 17	362095	5398319	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,	
DeSf 18	361837	5398256	10	TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,notched|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,planked|TRADITIONAL USE,Culturally Modified Tree,bark stripped,	
DeSf 19	360995	5397649	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,	
DeSf 2	361645	5393264	10	HISTORIC,Cultural Material,surface,trade goods|PRECONTACT,Cultural Material,Subsurface,Shell Midden|PRECONTACT,Habitation Feature,|STR,STR,STR,STR	
DeSf 20	360265	5396193	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,	
DeSf 21	361355	5397071	10	CHIN Feature Remarks,|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,planked|TRADITIONAL USE,Culturally Modified Tree,bark stripped,	
DeSf 22	361420	5396422	10	CHIN Feature Remarks,|TRADITIONAL USE,Culturally Modified Tree,bark stripped,	
DeSf 23	364619	5400804	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,	
DeSf 24	365026	5401041	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,	
DeSf 25	361690	5397300	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,	
DeSf 26	363565	5394373	10	CHIN Feature Remarks,|HISTORIC,Building,Habitation,|HISTORIC,Cultural Material,surface,refuse|PRECONTACT,Cultural Material,Subsurface,Shell Midden|STR,STR,STR,STR	
DeSf 27	359514	5393884	10	CHIN Feature Remarks,|PRECONTACT,Cultural Material,Surface,Plant Fibre|PRECONTACT,Human Remains,Cave|STR,STR,STR,STR	
DeSf 28	359625	5393826	10	PRECONTACT,Cultural Material,Subsurface,Shell Midden|PRECONTACT,Habitation Feature,Cave|STR,STR,STR,STR	
DeSf 29	359429	5393905	10	CHIN Feature Remarks,|HISTORIC,Building,Habitation,cabin|HISTORIC,Cultural Material,surface,refuse|PRECONTACT,Cultural Material,Subsurface,Shell Midden|STR,STR,STR,STR	
DeSf 3	363685	5392588	10	PRECONTACT,Cultural Material,Subsurface,Shell Midden|STR,STR,STR,STR	
DeSf 30	362326	5393136	10	CHIN Feature Remarks,|PRECONTACT,Subsistence Feature,Hearth|STR,STR,STR,STR	
DeSf 31	364378	5392599	10	TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,|TRADITIONAL USE,Culturally Modified Tree,bark stripped,	
DeSf 32	363011	5392608	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,	
DeSf 33	359684	5393826	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,	
DeSf 34	353339	5396752	10	CHIN Feature Remarks,|HISTORIC,Transportation,Marine,shipwreck|STR,STR,STR,STR	
DeSf 35	353494	5396706	10	CHIN Feature Remarks,|HISTORIC,Transportation,Marine,shipwreck	
DeSf 36	362036	5393208	10	CHIN Feature Remarks,|HISTORIC,Transportation,Marine,shipwreck	
DeSf 37	357162	5399222	10	STR,STR,STR,STR|TRADITIONAL USE,Culturally Modified Tree,bark stripped,|TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DeSf 38	358526	5400300	10	STR,STR,STR,STR|TRADITIONAL USE,Culturally Modified Tree,|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,tested|TRADITIONAL USE,Culturally Modified Tree,bark stripped,	yes
DeSf 39	357105	5400598	10	STR,STR,STR,STR|TRADITIONAL USE,Culturally Modified Tree,|TRADITIONAL USE,Culturally Modified Tree,bark stripped,	yes
DeSf 4	363735	5392598	10	HISTORIC,|HISTORIC,Building,Habitation,cabin|PRECONTACT,Cultural Material,Subsurface,Shell Midden|PRECONTACT,Other Feature,Petroform,|PRECONTACT,Transportation Feature,Petroform,Canoe Skid|STR,STR,STR,STR	

DeSf 40	364777	5405430	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,	yes
DeSf 41	364680	5407298	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,	yes
DeSf 42	361515	5404247	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,|TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DeSf 43	357947	5401648	10	STR,STR,STR,STR|TRADITIONAL USE,Culturally Modified Tree,bark stripped,|TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DeSf 44	354252	5398574	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,	yes
DeSf 45	357166	5397382	10	TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,felled|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,planked|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,sectioned|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,tested|TRADITIONAL USE,Culturally Modified Tree,bark stripped,	yes
DeSf 46	359622	5404491	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,|TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DeSf 47	357713	5398391	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,	yes
DeSf 48	359646	5393811	10	HISTORIC,Transportation,Marine,shipwreck	
DeSf 49	360217	5404556	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DeSf 5	363754	5392820	10	HISTORIC,|HISTORIC,Cultural Material,surface,refuse|PRECONTACT,Cultural Material,Subsurface,Shell Midden|PRECONTACT,Other Feature,Petroform,|PRECONTACT,Transportation Feature,Petroform,Canoe Skid|STR,STR,STR,STR	
DeSf 50	363949	5406669	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DeSf 51	357432	5400024	10	TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,log|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,notched|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,planked	
DeSf 52	357370	5399975	10	TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,planked|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,tested	yes
DeSf 53	361289	5404318	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DeSf 54	360518	5405973	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DeSf 55	360625	5405931	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DeSf 56	360834	5405822	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DeSf 57	357497	5402643	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DeSf 58	357695	5402455	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DeSf 59	357903	5402435	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DeSf 6	356460	5396011	10	PRECONTACT,Cultural Material,Subsurface,Shell Midden|STR,STR,STR,STR	
DeSf 60	363584	5406984	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DeSf 61	363415	5407025	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DeSf 62	363067	5405252	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DeSf 63	363327	5405206	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DeSf 64	363539	5405255	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DeSf 65	363766	5405525	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DeSf 66	363677	5405560	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DeSf 7	356758	5395939	10	HISTORIC,Building,Habitation,cabin|PRECONTACT,Cultural Material,Subsurface,Shell Midden|STR,STR,STR,STR	
DeSf 8	363572	5392743	10	CHIN Feature Remarks,|PRECONTACT,Cultural Material,Subsurface,Shell Midden|PRECONTACT,Transportation Feature,Petroform,Canoe Skid|STR,STR,STR,STR	
DeSf 9	363471	5394204	10	PRECONTACT,Cultural Material,Subsurface,Shell Midden|PRECONTACT,Cultural Material,Subsurface,Wet Site|PRECONTACT,Cultural Material,Surface,Faunal|STR,STR,STR,STR	
DeSg 1	342860	5410701	10	HISTORIC,Cultural Material,surface,trade goods|PRECONTACT,Cultural Material,Subsurface,Shell Midden|PRECONTACT,Forest Utilization,Aboriginally Logged,Canoe|STR,STR,STR,STR	
DeSg 10	344371	5410845	10	HISTORIC,|HISTORIC,Cultural Depression,habitation,|PRECONTACT,Cultural Material,Subsurface,Shell Midden|PRECONTACT,Cultural Material,Surface,Lithics|STR,STR,STR,STR	
DeSg 100	345838	5408150	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DeSg 101	345682	5403906	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DeSg 102	345619	5403742	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DeSg 103	345641	5403499	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DeSg 104	345430	5403500	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DeSg 105	345182	5403351	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DeSg 106	345254	5403241	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DeSg 107	345011	5404289	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes

DeSg 108	344756	5404068	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DeSg 109	344229	5404277	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DeSg 11	343961	5410954	10	PRECONTACT,Cultural Material,Subsurface,Shell Midden|PRECONTACT,Cultural Material,Surface,Lithics|PRECONTACT,Human Remains,Burial|STR,STR,STR,STR	
DeSg 12	344179	5410854	10	PRECONTACT,Cultural Material,Subsurface,Shell Midden|STR,STR,STR,STR	
DeSg 13	341561	5404268	10	PRECONTACT,Cultural Material,Subsurface,Shell Midden|PRECONTACT,Cultural Material,Surface,|STR,STR,STR,STR	
DeSg 14	343537	5401703	10	PRECONTACT,Cultural Material,Subsurface,Shell Midden|PRECONTACT,Cultural Material,Surface,|STR,STR,STR,STR	
DeSg 15	349075	5398381	10	PRECONTACT,Cultural Material,Subsurface,Shell Midden|PRECONTACT,Cultural Material,Surface,|STR,STR,STR,STR	
DeSg 16	346632	5398570	10	PRECONTACT,Cultural Material,Subsurface,Shell Midden|PRECONTACT,Habitation Feature,Cave|STR,STR,STR,STR	
DeSg 17	344747	5405962	10	HISTORIC,Building,Habitation,|HISTORIC,Building,Habitation,cabin	
DeSg 18	341570	5410109	10	PRECONTACT,Cultural Material,Subsurface,Shell Midden|STR,STR,STR,STR	
DeSg 19	341658	5410174	10	PRECONTACT,Human Remains,Burial	
DeSg 2	343208	5410625	10	PRECONTACT,Cultural Material,Subsurface,Shell Midden|STR,STR,STR,STR	
DeSg 20	341906	5410442	10	PRECONTACT,Cultural Material,Subsurface,Shell Midden|STR,STR,STR,STR	
DeSg 21	342022	5410553	10	PRECONTACT,Cultural Material,Subsurface,Shell Midden|PRECONTACT,Human Remains,Burial	
DeSg 22	342095	5410710	10	HISTORIC,Cultural Material,|HISTORIC,Cultural Material,surface,refuse|PRECONTACT,Cultural Material,Subsurface,Shell Midden|STR,STR,STR,STR	
DeSg 23	342118	5410771	10	HISTORIC,Cultural Material,surface,refuse|PRECONTACT,Cultural Material,Subsurface,Shell Midden|PRECONTACT,Habitation Feature,|STR,STR,STR,STR	
DeSg 24	342928	5410447	10	PRECONTACT,Cultural Material,Subsurface,Shell Midden|PRECONTACT,Habitation Feature,|STR,STR,STR,STR	
DeSg 25	342818	5410221	10	PRECONTACT,Cultural Material,Subsurface,Shell Midden|STR,STR,STR,STR	
DeSg 26	341701	5409347	10	PRECONTACT,Cultural Material,Subsurface,Shell Midden|STR,|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,|TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar|TRADITIONAL USE,Culturally Modified Tree,other modified tree,kindling collection	
DeSg 27	341709	5409138	10	PRECONTACT,Cultural Material,Subsurface,Shell Midden|STR,STR,STR,STR	
DeSg 28	342459	5409175	10	PRECONTACT,Cultural Material,Subsurface,Shell Midden|STR,STR,STR,STR	
DeSg 29	342592	5409242	10	PRECONTACT,Cultural Material,Subsurface,Shell Midden|STR,STR,STR,STR	
DeSg 3	343337	5410147	10	PRECONTACT,Cultural Material,Subsurface,Shell Midden|STR,STR,STR,STR	
DeSg 30	342282	5409501	10	PRECONTACT,Cultural Material,Subsurface,Shell Midden|STR,STR,STR,STR	
DeSg 31	342375	5409428	10	HISTORIC,Cultural Material,surface,refuse|PRECONTACT,Cultural Material,Subsurface,Shell Midden|STR,STR,STR,STR	
DeSg 32	342579	5409591	10	PRECONTACT,Cultural Material,Subsurface,Shell Midden|STR,STR,STR,STR	
DeSg 33	342532	5409646	10	PRECONTACT,Cultural Material,Subsurface,Shell Midden|STR,STR,STR,STR	
DeSg 34	342743	5409725	10	PRECONTACT,Cultural Material,Subsurface,Shell Midden|STR,STR,STR,STR	
DeSg 35	343124	5410041	10	PRECONTACT,Cultural Material,Subsurface,Shell Midden|STR,STR,STR,STR	
DeSg 36	343797	5411095	10	PRECONTACT,Cultural Material,Subsurface,Shell Midden|STR,STR,STR,STR	
DeSg 37	343721	5411031	10	PRECONTACT,Cultural Material,Subsurface,Shell Midden|STR,STR,STR,STR	
DeSg 38	343791	5410604	10	PRECONTACT,Cultural Material,Subsurface,Shell Midden|STR,STR,STR,STR	
DeSg 39	344213	5410972	10	PRECONTACT,Cultural Material,Subsurface,Shell Midden|STR,STR,STR,STR	
DeSg 4	341304	5409300	10	HISTORIC,|HISTORIC,Building,Habitation,cabin|HISTORIC,Subsistence Feature,smokehouse|PRECONTACT,Cultural Material,Subsurface,Shell Midden|PRECONTACT,Human Remains,Burial|STR,STR,STR,STR	
DeSg 40	344232	5410633	10	PRECONTACT,Cultural Material,Subsurface,Shell Midden|STR,STR,STR,STR	
DeSg 41	344499	5410748	10	CHIN Feature Remarks,|PRECONTACT,Subsistence Feature,Fishing,Fish Trap|STR,STR,STR,STR	
DeSg 42	344667	5410528	10	CHIN Feature Remarks,|PRECONTACT,Subsistence Feature,Fishing,Fish Trap|STR,STR,STR,STR	
DeSg 43	344551	5410822	10	PRECONTACT,Cultural Material,Subsurface,Shell Midden|PRECONTACT,Subsistence Feature,Fishing,Fish Trap|STR,STR,STR,STR	
DeSg 44	345204	5411045	10	PRECONTACT,Cultural Material,Subsurface,Shell Midden|STR,STR,STR,STR	
DeSg 45	341255	5409208	10	PRECONTACT,Human Remains,Burial	
DeSg 46	340935	5409206	10	PRECONTACT,Human Remains,Tree|STR,STR,STR,STR	
DeSg 47	343011	5411073	10	PRECONTACT,Human Remains,Burial|STR,STR,STR,STR	
DeSg 48	351591	5397644	10	PRECONTACT,Cultural Material,Subsurface,Shell Midden|STR,STR,STR,STR	
DeSg 49	351419	5397675	10	CHIN Feature Remarks,|HISTORIC,Cultural Material,surface,refuse|PRECONTACT,Cultural Material,Subsurface,Shell Midden|STR,STR,STR,STR	
DeSg 5	341150	5409397	10	HISTORIC,Cultural Material,|HISTORIC,Cultural Material,surface,refuse|PRECONTACT,Cultural Material,Subsurface,Shell Midden|PRECONTACT,Human Remains,Burial|STR,STR,STR,STR	

DeSg 51	341207	5408638	10	TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,barberchair stump|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,canoe|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,flat stump|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,notched|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,planked|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,sectioned|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,step stump|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,stump|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,tested|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,undercut|TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar|TRADITIONAL USE,Culturally Modified Tree,other modified tree,kindling collection	
DeSg 54	342185	5410397	10	CHIN Feature Remarks,|STR,STR,STR,STR|TRADITIONAL USE,Culturally Modified Tree,|TRADITIONAL USE,Culturally Modified Tree,bark stripped,|TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DeSg 55	342275	5410321	10	CHIN Feature Remarks,|STR,STR,STR,STR|TRADITIONAL USE,Culturally Modified Tree,	
DeSg 56	342573	5410374	10	CHIN Feature Remarks,|STR,STR,STR,STR|TRADITIONAL USE,Culturally Modified Tree,|TRADITIONAL USE,Culturally Modified Tree,bark stripped,	
DeSg 57	343243	5410921	10	CHIN Feature Remarks,|PRECONTACT,Cultural Material,Subsurface,Shell Midden|PRECONTACT,Transportation Feature,Petroform,Canoe Skid|STR,STR,STR,STR	
DeSg 58	349060	5398360	10	CHIN Feature Remarks,|HISTORIC,Transportation,Marine,shipwreck|STR,STR,STR,STR	
DeSg 59	347628	5398721	10	CHIN Feature Remarks,|HISTORIC,Transportation,Marine,shipwreck|STR,STR,STR,STR	
DeSg 6	341509	5404695	10	PRECONTACT,Cultural Material,Subsurface,Shell Midden|STR,STR,STR,STR	
DeSg 60	343620	5401429	10	CHIN Feature Remarks,|HISTORIC,Transportation,Marine,shipwreck	
DeSg 61	345154	5409558	10	TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,|TRADITIONAL USE,Culturally Modified Tree,bark stripped,	yes
DeSg 62	349260	5400777	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DeSg 63	344873	5404522	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DeSg 64	352257	5399286	10	STR,STR,STR,STR|TRADITIONAL USE,Culturally Modified Tree,bark stripped,	yes
DeSg 65	348731	5405348	10	TRADITIONAL USE,Culturally Modified Tree,|TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DeSg 66	348847	5405524	10	TRADITIONAL USE,Culturally Modified Tree,|TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DeSg 67	342031	5404869	10	PRECONTACT,Cultural Material,Subsurface,Shell Midden|PRECONTACT,Cultural Material,Surface,Shell|PRECONTACT,Habitation Feature,Platform|PRECONTACT,Other Feature,Cultural Depression,Function Unassigned|STR,STR,STR,STR	
DeSg 68	346001	5402616	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DeSg 69	342752	5409307	10	TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,|TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DeSg 70	342627	5409084	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DeSg 71	342430	5409116	10	TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,|TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DeSg 72	344523	5404281	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DeSg 73	343079	5409715	10	TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,barberchair stump|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,felled|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,stump	
DeSg 74	342971	5409610	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DeSg 75	343151	5409820	10	TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,stump	
DeSg 76	348561	5400380	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DeSg 77	348566	5400517	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DeSg 78	345775	5410275	10	TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,canoe|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,notched|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,planked|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,sectioned|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,stump|TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar|TRADITIONAL USE,Culturally Modified Tree,other modified tree,	yes
DeSg 79	346019	5410216	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DeSg 80	346120	5410455	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DeSg 81	346362	5410382	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	

DeSg 82	346248	5410557	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DeSg 83	346344	5410510	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DeSg 84	346205	5410739	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DeSg 85	345793	5402220	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DeSg 86	345945	5402052	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DeSg 87	346138	5402200	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,large rectangular scar|TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DeSg 88	346318	5402510	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DeSg 89	349795	5405202	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DeSg 9	346001	5409161	10	PRECONTACT,Cultural Material,Surface,	
DeSg 90	348535	5404912	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DeSg 91	344642	5407411	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DeSg 92	344856	5407496	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DeSg 93	345002	5407500	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DeSg 94	345082	5407357	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DeSg 95	345241	5407721	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DeSg 96	345531	5407867	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DeSg 97	345324	5408316	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DeSg 98	345700	5407851	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DeSg 99	345655	5407981	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DeSh 1	340185	5408961	10	CHIN Feature Remarks,|PRECONTACT,Cultural Material,Subsurface,Shell Midden|PRECONTACT,Cultural Material,Surface,|PRECONTACT,Habitation Feature,Platform|PRECONTACT,Transportation Feature,Petroform,Canoe Skid|STR,	
DeSh 10	339473	5405935	10	PRECONTACT,Cultural Material,Subsurface,Shell Midden|STR,STR,STR,STR|TRADITIONAL USE,Culturally Modified Tree,	
DeSh 16	339656	5407602	10	PRECONTACT,Cultural Material,Subsurface,Shell Midden|PRECONTACT,Cultural Material,Surface,|STR,STR,STR,STR	
DeSh 18	339204	5411208	10	PRECONTACT,Human Remains,Burial|STR,STR,STR,STR	
DeSh 19	339159	5411026	10	PRECONTACT,Human Remains,Burial|PRECONTACT,Human Remains,Burial Box|PRECONTACT,Human Remains,Cave	
DeSh 2	340092	5409020	10	CHIN Feature Remarks,|PRECONTACT,Cultural Material,Subsurface,Shell Midden|PRECONTACT,Cultural Material,Surface,Lithics|PRECONTACT,Habitation Feature,Platform|PRECONTACT,Habitation Feature,Refuge	
DeSh 20	338283	5411137	10	CHIN Feature Remarks,|PRECONTACT,Cultural Material,Subsurface,Shell Midden|PRECONTACT,Transportation Feature,Petroform,Canoe Skid|STR,STR,STR,STR|TRADITIONAL USE,Culturally Modified Tree,|TRADITIONAL USE,Culturally Modified Tree,bark stripped,	
DeSh 23	339725	5408611	10	PRECONTACT,Human Remains,Burial	
DeSh 24	340352	5409032	10	PRECONTACT,Cultural Material,Subsurface,Shell Midden|STR,STR,STR,STR	
DeSh 25	340375	5409105	10	PRECONTACT,Cultural Material,Subsurface,Shell Midden|PRECONTACT,Cultural Material,Surface,|PRECONTACT,Habitation Feature,Cultural Depression,Plank House|STR,STR,STR,STR	
DeSh 27	340554	5406446	10	CHIN Feature Remarks,|HISTORIC,Transportation,Road,	
DeSh 29	340462	5407543	10	CHIN Feature Remarks,|HISTORIC,Building,Habitation,|STR,STR,STR,STR	
DeSh 3	339927	5408136	10	PRECONTACT,Cultural Material,Subsurface,Shell Midden|STR,STR,STR,STR	
DeSh 31	340720	5408510	10	TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,planked|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,sectioned|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,stump|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,tested|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,undercut|TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DeSh 32	340461	5405641	10	POSTCONTACT,Transportation,Marine,Shipwreck	
DeSh 5	340569	5409053	10	PRECONTACT,Cultural Material,Subsurface,Shell Midden|PRECONTACT,Human Remains,Burial|STR,STR,STR,STR	
DeSh 6	339621	5406062	10	HISTORIC,Cultural Material,|HISTORIC,Cultural Material,surface,refuse|PRECONTACT,Cultural Material,Subsurface,Shell Midden|PRECONTACT,Habitation Feature,|STR,STR,STR,STR	
DeSh 8	339523	5405976	10	PRECONTACT,Cultural Material,Subsurface,Shell Midden|STR,STR,STR,STR|TRADITIONAL USE,Culturally Modified Tree,|TRADITIONAL USE,Culturally Modified Tree,bark stripped,	
DeSh 9	339006	5405885	10	PRECONTACT,Cultural Material,Subsurface,Shell Midden|PRECONTACT,Cultural Material,Surface,|STR,STR,STR,STR	
DfSd 1	380677	5414257	10	CHIN Feature Remarks,|HISTORIC,Cultural Material,|PRECONTACT,Cultural Material,Subsurface,|PRECONTACT,Subsistence Feature,|STR,STR,STR,STR	yes
DfSd 2	380975	5414669	10	TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,undercut	yes

DfSd 3	385632	5416943	10	TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,barberchair stump|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,flat stump	
DfSe 1	372216	5418016	10	TRADITIONAL USE,Culturally Modified Tree,|TRADITIONAL USE,Culturally Modified Tree,bark stripped,|TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar|TRADITIONAL USE,Culturally Modified Tree,other modified tree,|TRADITIONAL USE,Culturally Modified Tree,other modified tree,burned	yes
DfSe 10	366937	5425652	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DfSe 11	369074	5426278	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DfSe 12	369265	5426291	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DfSe 13	368966	5426468	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DfSe 14	368825	5426503	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DfSe 15	368985	5426579	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DfSe 16	369227	5426613	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DfSe 2	376100	5423550	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DfSe 3	374776	5412182	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DfSe 4	367170	5428397	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DfSe 5	374357	5411318	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DfSe 6	367813	5427476	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DfSe 7	366449	5427441	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DfSe 8	366782	5427577	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DfSe 9	366758	5426976	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DfSf 1	354620	5423816	10	PRECONTACT,Cultural Material,Subsurface,Shell Midden	
DfSf 10	354798	5414722	10	TRADITIONAL USE,Culturally Modified Tree,|TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DfSf 11	354913	5414787	10	STR,STR,STR,STR|TRADITIONAL USE,Culturally Modified Tree,|TRADITIONAL USE,Culturally Modified Tree,bark stripped,other scar	yes
DfSf 12	355014	5415067	10	STR,STR,STR,STR|TRADITIONAL USE,Culturally Modified Tree,|TRADITIONAL USE,Culturally Modified Tree,bark stripped,	yes
DfSf 13	353431	5417759	10	PRECONTACT,Subsistence Feature,Fishing,Fishing Weir|STR,STR,STR,STR	
DfSf 14	354126	5414521	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DfSf 15	363452	5418306	10	TRADITIONAL USE,Culturally Modified Tree,other modified tree,	yes
DfSf 16	363094	5417894	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DfSf 17	354344	5414879	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DfSf 18	358223	5425217	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DfSf 19	358770	5425167	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DfSf 2	362391	5417875	10	General Features,|TRADITIONAL USE,Culturally Modified Tree,bark stripped,|TRADITIONAL USE,Culturally Modified Tree,other modified tree,	yes
DfSf 20	360951	5413536	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DfSf 21	363240	5417358	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DfSf 22	358729	5425408	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DfSf 23	359017	5425008	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DfSf 24				TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DfSf 25				TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DfSf 26	356243	5424308	10	TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,barberchair stump	yes
DfSf 27	355880	5424218	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DfSf 28	355717	5424504	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DfSf 29	365447	5427416	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DfSf 3	357777	5426265	10	General Features,|TRADITIONAL USE,Culturally Modified Tree,bark stripped,	yes
DfSf 30	362981	5416665	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DfSf 31	357327	5417389	10	TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,barberchair stump|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,planked|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,sectioned	yes
DfSf 32	357534	5425946	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DfSf 33	357592	5425822	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DfSf 34	357462	5425719	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DfSf 35	357637	5425694	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DfSf 36	358038	5425595	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DfSf 37	358757	5423803	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DfSf 38	355087	5424203	10	PRECONTACT,Cultural Material,Subsurface,Shell Midden|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,flat stump	

DfSf 39	355131	5424617	10	TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,notched|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,planked|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,sectioned|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,stump|TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DfSf 4	363476	5426778	10	STR,STR,STR,STR|TRADITIONAL USE,Culturally Modified Tree,bark stripped,	yes
DfSf 40	363824	5416110	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DfSf 41	363726	5415891	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DfSf 42	363769	5415845	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DfSf 43	363942	5415744	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DfSf 44	357264	5424612	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DfSf 45	357700	5424552	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DfSf 46	357946	5424434	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DfSf 47	358018	5424569	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DfSf 48	358254	5424434	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DfSf 49	358484	5424531	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DfSf 5	361792	5425496	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,	yes
DfSf 50	358288	5424851	10		yes
DfSf 51	358275	5425064	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DfSf 52	363277	5415822	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DfSf 53	363249	5415734	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DfSf 54	363153	5415296	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DfSf 55	354789	5422048	10	TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,stump|TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DfSf 56	354702	5422190	10	TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,flat stump	
DfSf 57	354587	5422100	10	TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,stump	
DfSf 58	354365	5422300	10	TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,notched|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,planked|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,stump|TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar|TRADITIONAL USE,Culturally Modified Tree,other modified tree,kindling collection	
DfSf 59	353869	5422505	10	TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,notched|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,planked|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,stump|TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DfSf 6	356267	5416330	10	STR,STR,STR,STR|TRADITIONAL USE,Culturally Modified Tree,|TRADITIONAL USE,Culturally Modified Tree,bark stripped,|TRADITIONAL USE,Culturally Modified Tree,other modified tree,blazed	yes
DfSf 60	353633	5421392	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DfSf 61	353537	5421404	10	TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,planked|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,sectioned|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,stump	
DfSf 62	363575	5419057	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DfSf 63	363671	5419263	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DfSf 64	359052	5418206	10	TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,barberchair stump|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,flat stump|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,notched|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,planked|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,sectioned|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,step stump|TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DfSf 65	359468	5418270	10	TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,barberchair stump|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,flat stump|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,planked|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,sectioned|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,undercut|TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DfSf 66	359648	5418483	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	

DfSf 67	360005	5418507	10	TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,flat stump|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,planked|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,sectioned|TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DfSf 68	360474	5418878	10	TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,stump|TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DfSf 7	356834	5424420	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DfSf 8	355635	5424740	10	TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,barberchair stump|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,flat stump|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,notched|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,planked|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,stump	yes
DfSf 9	354756	5414499	10	TRADITIONAL USE,Culturally Modified Tree,|TRADITIONAL USE,Culturally Modified Tree,bark stripped,	yes
DfSg 1	342975	5411432	10	PRECONTACT,Cultural Material,Subsurface,Shell Midden|STR,STR,STR,STR	
DfSg 10	349931	5415935	10	PRECONTACT,Cultural Material,Subsurface,Shell Midden	
DfSg 100	348725	5421371	10	TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,log|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,notched|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,stump	
DfSg 101	344586	5418977	10	POSTCONTACT,Transportation,Marine,Shipwreck	
DfSg 102	345345	5417700	10	POSTCONTACT,Transportation,Marine,Shipwreck	
DfSg 103	353446	5421301	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DfSg 104	353338	5421530	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DfSg 105	353211	5421408	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DfSg 106	353029	5421681	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DfSg 107	345197	5427166	10	TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,stump|TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DfSg 108	344952	5427434	10	TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,sectioned	
DfSg 109	345164	5427411	10	TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,planked|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,sectioned|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,stump|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,tested	
DfSg 11	346920	5415828	10	PRECONTACT,Cultural Material,Subsurface,Shell Midden	
DfSg 110	344318	5428782	10	TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,planked|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,sectioned|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,stump|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,tested|TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DfSg 111	343944	5429712	10	TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,planked|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,sectioned|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,stump|TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DfSg 112	344722	5428272	10	TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,planked|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,stump|TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DfSg 113	344656	5428503	10	TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,stump	
DfSg 114	344577	5427628	10	TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,planked|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,stump	
DfSg 115	344560	5427797	10	TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,stump|TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DfSg 116	344672	5427967	10	TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,planked|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,stump	
DfSg 117	344640	5428146	10	TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,sectioned	
DfSg 118	344621	5427726	10	TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,stump	
DfSg 119	344796	5428403	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DfSg 12	352755	5418617	10	PRECONTACT,Cultural Material,Subsurface,Shell Midden	
DfSg 120	344127	5429311	10	TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,stump	
DfSg 121	344194	5429328	10	TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,stump	
DfSg 122	344254	5429368	10	TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,stump	
DfSg 13	347528	5419314	10	PRECONTACT,Cultural Material,Subsurface,Shell Midden	
DfSg 14	347321	5418843	10	PRECONTACT,Cultural Material,Subsurface,Shell Midden	
DfSg 15	344909	5418629	10	PRECONTACT,Cultural Material,Subsurface,Shell Midden|STR,STR,STR,STR	

DfSg 16	344495	5418156	10	PRECONTACT,Cultural Material,Subsurface,Shell Midden	
DfSg 17	342712	5416510	10	PRECONTACT,Cultural Material,Subsurface,Shell Midden	
DfSg 18	341283	5415545	10	PRECONTACT,Cultural Material,Subsurface,Shell Midden	
DfSg 19	352019	5425482	10	PRECONTACT,Cultural Material,Subsurface,Shell Midden|PRECONTACT,Subsistence Feature,Fishing,Fish Trap|STR,	
DfSg 2	342733	5411450	10	POSTCONTACT,Cultural Material,Surface,|PRECONTACT,Cultural Material,Subsurface,Shell Midden|PRECONTACT,Cultural Material,Surface,Faunal|PRECONTACT,Habitation Feature,House Post/Mould|STR,STR,STR,STR	
DfSg 20	345583	5417875	10	HISTORIC,Human Remains,burial	
DfSg 21	351461	5417431	10	TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,planked	
DfSg 22	351519	5417455	10	TRADITIONAL USE,Culturally Modified Tree,|TRADITIONAL USE,Culturally Modified Tree,bark stripped,	
DfSg 23	351482	5417456	10	TRADITIONAL USE,Culturally Modified Tree,|TRADITIONAL USE,Culturally Modified Tree,other modified tree,pitch collection	
DfSg 24	351894	5417764	10	HISTORIC,Cultural Material,surface,refuse|PRECONTACT,Cultural Material,Subsurface,Shell Midden|STR,STR,STR,STR	
DfSg 25	351846	5417662	10	TRADITIONAL USE,Culturally Modified Tree,|TRADITIONAL USE,Culturally Modified Tree,bark stripped,	
DfSg 3	342734	5411515	10	CHIN Feature Remarks,|HISTORIC,Human Remains,burial|PRECONTACT,Cultural Material,Subsurface,Shell Midden|PRECONTACT,Earthwork Feature,Trench Embankment|PRECONTACT,Habitation Feature,Refuge|STR,STR,STR,STR	
DfSg 34	341053	5413360	10	PRECONTACT,Human Remains,Burial Box|PRECONTACT,Human Remains,Scattered	
DfSg 35	342505	5411171	10	PRECONTACT,Cultural Material,Subsurface,Shell Midden|STR,STR,STR,STR	
DfSg 36	342717	5411400	10	PRECONTACT,Human Remains,Burial|STR,STR,STR,STR	
DfSg 37	343552	5411427	10	PRECONTACT,Cultural Material,Subsurface,Shell Midden|STR,STR,STR,STR	
DfSg 38	343752	5411217	10	PRECONTACT,Cultural Material,Subsurface,Shell Midden|STR,STR,STR,STR	
DfSg 39	344675	5411217	10	PRECONTACT,Cultural Material,Subsurface,Shell Midden|STR,STR,STR,STR	
DfSg 4	346775	5423792	10	PRECONTACT,Cultural Material,Surface,Wood|PRECONTACT,Human Remains,Burial	
DfSg 40	345414	5411565	10	HISTORIC,|HISTORIC,Building,Habitation,|PRECONTACT,Cultural Material,Subsurface,Shell Midden|PRECONTACT,Cultural Material,Surface,Firebroken Rock|STR,STR,STR,STR	yes
DfSg 41	345461	5411531	10	HISTORIC,|HISTORIC,Building,Habitation,cabin|HISTORIC,Cultural Material,surface,refuse|PRECONTACT,Cultural Material,Subsurface,Shell Midden|STR,STR,STR,STR	yes
DfSg 42	352426	5426760	10	PRECONTACT,Cultural Material,Subsurface,Shell Midden|STR,STR,STR,STR	
DfSg 43	343014	5411539	10	PRECONTACT,Cultural Material,Surface,|STR,STR,STR,STR	
DfSg 44	351881	5427396	10	TRADITIONAL USE,Culturally Modified Tree,|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,	yes
DfSg 45	351568	5428173	10	CHIN Feature Remarks,|PRECONTACT,Subsistence Feature,	
DfSg 46	351865	5417225	10	STR,STR,STR,STR|TRADITIONAL USE,Culturally Modified Tree,|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,|TRADITIONAL USE,Culturally Modified Tree,bark stripped,	
DfSg 47	345719	5412823	10	STR,STR,STR,STR|TRADITIONAL USE,Culturally Modified Tree,|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,|TRADITIONAL USE,Culturally Modified Tree,bark stripped,|TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DfSg 48	343950	5411960	10	TRADITIONAL USE,Culturally Modified Tree,|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,notched|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,planked	yes
DfSg 49	345578	5411913	10	HISTORIC,Transportation,Trail,|STR,STR,STR,STR|TRADITIONAL USE,Culturally Modified Tree,|TRADITIONAL USE,Culturally Modified Tree,bark stripped,	yes
DfSg 5	350640	5419273	10	HISTORIC,Cultural Material,surface,glass|PRECONTACT,Human Remains,Burial	
DfSg 50	349005	5422582	10	STR,STR,STR,STR|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,felled|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,planked|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,sectioned|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,undercut	
DfSg 51	348881	5421779	10	STR,STR,STR,STR|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,felled|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,notched|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,planked|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,undercut	
DfSg 52	348746	5421910	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DfSg 53	348457	5421565	10	TRADITIONAL USE,Culturally Modified Tree,|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,	

DfSg 54	347917	5421487	10	TRADITIONAL USE,Culturally Modified Tree,|TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DfSg 55	347425	5421244	10	TRADITIONAL USE,Culturally Modified Tree,|TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DfSg 56	346830	5421114	10	TRADITIONAL USE,Culturally Modified Tree,	
DfSg 57	348304	5420479	10	TRADITIONAL USE,Culturally Modified Tree,|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,flat stump|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,log|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,notched|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,planked|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,sectioned|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,step stump|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,stump|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,tested|TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DfSg 58	347126	5419227	10	TRADITIONAL USE,Culturally Modified Tree,|TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DfSg 59	350039	5426635	10	TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,flat stump|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,step stump|TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DfSg 6	352861	5425415	10	PRECONTACT,Cultural Material,surface,|PRECONTACT,Human Remains,Burial|PRECONTACT,Human Remains,Rock Shelter	yes
DfSg 60	341610	5428234	10	TRADITIONAL USE,Ceremonial/Religious,marker tree|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,flat stump	
DfSg 61	350601	5416130	10	HISTORIC,Building,Industrial/logging,camp	
DfSg 62	347468	5427615	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DfSg 63	347565	5427546	10	TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,stump|TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DfSg 64	347307	5427648	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DfSg 65	349026	5427215	10	TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,|TRADITIONAL USE,Culturally Modified Tree,bark stripped,large rectangular scar	yes
DfSg 66	349289	5427478	10	TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,	yes
DfSg 67	347903	5426872	10	TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,|TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DfSg 68	347889	5426582	10	TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,	yes
DfSg 69	344888	5428326	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DfSg 7	351327	5420505	10	PRECONTACT,Human Remains,Burial	
DfSg 70	351306	5427131	10	PRECONTACT,Cultural Material,Subsurface,Shell Midden|STR,	yes
DfSg 71	351360	5424886	10	TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,	yes
DfSg 72	346791	5415733	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DfSg 73	346919	5415548	10	TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,|TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DfSg 74	346625	5415342	10	TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,|TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DfSg 75	347725	5415211	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DfSg 76	347496	5415085	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DfSg 77	352029	5421605	10	TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,|TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DfSg 78	352069	5425240	10	PRECONTACT,Human Remains,Rock Shelter	yes
DfSg 79	353111	5425525	10	PRECONTACT,Human Remains,Rock Shelter	yes
DfSg 8	353020	5420006	10	HISTORIC,Cultural Material,surface,metal|PRECONTACT,Human Remains,Burial	
DfSg 80	344675	5429564	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DfSg 81	347961	5420366	10	TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,flat stump|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,planked|TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DfSg 82	347885	5420207	10	TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,flat stump|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,notched|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,planked|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,tested	
DfSg 83	348324	5420791	10	TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,barberchair stump|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,flat stump|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,planked|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,sectioned|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,step stump	

DfSg 84	346803	5420468	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DfSg 85	346866	5420440	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DfSg 86	347242	5420502	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DfSg 87	347330	5420423	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DfSg 88	347290	5420143	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DfSg 89	345405	5428933	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DfSg 9	349460	5425887	10	PRECONTACT,Cultural Material,Subsurface,Shell Midden	
DfSg 90	345490	5429002	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DfSg 91	345667	5429092	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DfSg 92	345606	5428925	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DfSg 93	346081	5428828	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DfSg 94	346085	5429406	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DfSg 95	346069	5429103	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DfSg 96	346152	5428300	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DfSg 97	346289	5428796	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DfSg 98	346947	5428207	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DfSg 99	346403	5427974	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DfSh 10	340887	5413615	10	PRECONTACT,Human Remains,Burial|PRECONTACT,Human Remains,Burial Box|PRECONTACT,Human Remains,Cave|STR,STR,STR,STR	
DfSh 142	340773	5413689	10	PRECONTACT,Cultural Material,Subsurface,Shell Midden|PRECONTACT,Habitation Feature,Platform|STR,STR,STR,STR	
DfSh 143	340474	5413534	10	HISTORIC,Cultural Material,surface,glass|PRECONTACT,Human Remains,Burial|STR,STR,STR,STR	
DfSh 144	340429	5413604	10	CHIN Feature Remarks,|PRECONTACT,Subsistence Feature,Fishing,Fish Trap|STR,STR,STR,STR	
DfSh 145	339405	5411553	10	PRECONTACT,Cultural Material,Subsurface,Shell Midden|PRECONTACT,Subsistence Feature,Fishing,Fish Trap|STR,STR,STR,STR	
DfSh 146	339320	5411516	10	PRECONTACT,Cultural Material,Subsurface,Shell Midden|PRECONTACT,Subsistence Feature,Fishing,Fish Trap|STR,STR,STR,STR|TRADITIONAL USE,Culturally Modified Tree,	
DfSh 147	339397	5411521	10	CHIN Feature Remarks,|PRECONTACT,Cultural Material,Subsurface,Shell Midden|PRECONTACT,Subsistence Feature,Fishing,Fish Trap|STR,STR,STR,STR	
DfSh 148	339301	5411234	10	CHIN Feature Remarks,|PRECONTACT,Subsistence Feature,Fishing,Fish Trap|STR,STR,STR,STR	
DfSh 149	339138	5411244	10	CHIN Feature Remarks,|PRECONTACT,Subsistence Feature,Fishing,Fish Trap|STR,STR,STR,STR	
DfSh 150	339169	5411287	10	PRECONTACT,Cultural Material,Subsurface,Shell Midden|PRECONTACT,Subsistence Feature,Fishing,Fish Trap|STR,STR,STR,STR	
DfSh 151	338855	5411740	10	PRECONTACT,Cultural Material,Surface,|PRECONTACT,Human Remains,Burial|PRECONTACT,Other Feature,Petroform,|STR,STR,STR,STR	
DfSh 152	338480	5412789	10	CHIN Feature Remarks,|HISTORIC,Human Remains,cemetary|PRECONTACT,Cultural Material,Subsurface,Shell Midden|PRECONTACT,Human Remains,Burial|PRECONTACT,Other Feature,Cultural Depression,Function Unassigned|STR,STR,STR,STR	
DfSh 153	338407	5413068	10	PRECONTACT,Human Remains,Burial|PRECONTACT,Human Remains,Burial Box|PRECONTACT,Human Remains,Cave|STR,STR,STR,STR	
DfSh 154	338998	5413018	10	PRECONTACT,Human Remains,Burial|PRECONTACT,Human Remains,Burial Box|PRECONTACT,Human Remains,Cave	
DfSh 170	340138	5427509	10	TRADITIONAL USE,Culturally Modified Tree,	
DfSh 174	339281	5428009	10	TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,|TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DfSh 178	338861	5426126	10	TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,planked|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,stump|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,tested|TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DfSh 18	338717	5411398	10	HISTORIC,Building,Habitation,cabin|HISTORIC,Cultural Material,surface,refuse|PRECONTACT,Cultural Material,Subsurface,Shell Midden|PRECONTACT,Transportation Feature,Petroform,Canoe Skid|STR,STR,STR,STR	
DfSh 183	339452	5424931	10	PRECONTACT,Cultural Material,Surface,Faunal|PRECONTACT,Human Remains,Cave	
DfSh 185	339390	5424526	10	PRECONTACT,Cultural Material,Subsurface,Shell Midden|PRECONTACT,Other Feature,Cultural Depression,Function Unassigned|STR,	
DfSh 186	339646	5427387	10	TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,	
DfSh 187	339497	5427091	10	PRECONTACT,Human Remains,Scattered	
DfSh 194	339007	5427166	10	TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,	

DfSh 195	339132	5427096	10	TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,	
DfSh 196	339019	5427098	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DfSh 197	338970	5426933	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DfSh 198	339133	5427358	10	TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,felled	
DfSh 199	339040	5427378	10	TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,felled	
DfSh 2	339520	5411902	10	CHIN Feature Remarks,|PRECONTACT,Human Remains,Burial|STR,STR,STR,STR	
DfSh 200	339128	5427485	10	TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,felled	
DfSh 202	339443	5429696	10	TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,|TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DfSh 3	339545	5427196	10	PRECONTACT,Human Remains,Burial	
DfSh 32	340185	5413454	10	PRECONTACT,Cultural Material,Subsurface,Shell Midden|PRECONTACT,Other Feature,Cultural Depression,Function Unassigned|STR,STR,STR,STR	
DfSh 6	338549	5412993	10	PRECONTACT,Cultural Material,Subsurface,Shell Midden|PRECONTACT,Other Feature,Cultural Depression,Function Unassigned|PRECONTACT,Other Feature,Petroform,|PRECONTACT,Transportation Feature,Petroform,Canoe Skid|STR,STR,STR,STR|TRADITIONAL USE,Culturally Modified Tree,|TRADITIONAL USE,Culturally Modified Tree,bark stripped,	
DfSh 7	339528	5412816	10	PRECONTACT,Cultural Material,Subsurface,Shell Midden|PRECONTACT,Habitation Feature,|STR,	
DfSh 8	339061	5411470	10	CHIN Feature Remarks,|HISTORIC,Building,Habitation,cabin|HISTORIC,Building,Religious,church|HISTORIC,Cultural Material,|PRECONTACT,Cultural Material,Subsurface,Shell Midden|PRECONTACT,Transportation Feature,Petroform,Canoe Skid|STR,STR,STR,STR	
DfSh 9	338837	5411823	10	HISTORIC,Building,Commercial,|HISTORIC,Cultural Material,surface,refuse|PRECONTACT,Cultural Material,Subsurface,Shell Midden|STR,STR,STR,STR	
DgSe 1	367605	5439624	10	PRECONTACT,Cultural Material,Subsurface,Shell Midden|PRECONTACT,Cultural Material,Surface,Lithics	
DgSe 2	369281	5445785	10	PRECONTACT,Subsistence Feature,Fishing,	
DgSe 3	367416	5439875	10	PRECONTACT,Subsistence Feature,Fishing,Fish Trap	
DgSe 4	368034	5430315	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,|TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DgSe 5	375780	5442084	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DgSe 6	371351	5446197	10	STR,STR,STR,STR|TRADITIONAL USE,Culturally Modified Tree,|TRADITIONAL USE,Culturally Modified Tree,bark stripped,|TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DgSe 7	367255	5444521	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DgSe 8	368115	5436050	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DgSe 9	369564	5436693	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DgSf 1	363254	5435568	10	PRECONTACT,Cultural Material,Subsurface,Lithics|STR,|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,stump	
DgSf 10	365767	5438723	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,	
DgSf 11	365953	5439422	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,	
DgSf 12	360259	5436416	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DgSf 13	364112	5438605	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DgSf 14	364484	5438491	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DgSf 15	364534	5438260	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DgSf 16	364826	5438117	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DgSf 17	364773	5437988	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DgSf 18	364715	5437813	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DgSf 19	364519	5437714	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DgSf 2	365591	5438631	10	STR,STR,STR,STR|TRADITIONAL USE,Culturally Modified Tree,|TRADITIONAL USE,Culturally Modified Tree,bark stripped,	
DgSf 20	364398	5437807	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DgSf 21	358806	5437938	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DgSf 22	358651	5437963	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DgSf 23	358647	5437758	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DgSf 24	358588	5437663	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DgSf 3	365920	5439569	10	STR,STR,STR,STR|TRADITIONAL USE,Culturally Modified Tree,|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,|TRADITIONAL USE,Culturally Modified Tree,bark stripped,	

DgSf 4	360377	5436806	10	TRADITIONAL USE,Culturally Modified Tree,|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,barberchair stump|TRADITIONAL USE,Culturally Modified Tree,bark stripped,|TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DgSf 5	360816	5436649	10	TRADITIONAL USE,Culturally Modified Tree,|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,flat stump	yes
DgSf 6	360608	5436426	10	TRADITIONAL USE,Culturally Modified Tree,|TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DgSf 7	364464	5437534	10	PRECONTACT,Transportation Feature,Petroform,Canoe Skid|TRADITIONAL USE,Culturally Modified Tree,bark stripped,large rectangular scar|TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DgSf 8	354786	5442787	10	HISTORIC,Transportation,Trail,|TRADITIONAL USE,Transportation,Trail,	
DgSf 9	365126	5438566	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,	
DgSg 1	350911	5431738	10	PRECONTACT,Cultural Material,Subsurface,Shell Midden|PRECONTACT,Habitation Feature,	
DgSg 10	344891	5443347	10	TRADITIONAL USE,Culturally Modified Tree,	yes
DgSg 11	346268	5442351	10	TRADITIONAL USE,Culturally Modified Tree,	yes
DgSg 12	345575	5442813	10	TRADITIONAL USE,Culturally Modified Tree,	yes
DgSg 13	344402	5443657	10	TRADITIONAL USE,Culturally Modified Tree,	yes
DgSg 14	345694	5440875	10	PRECONTACT,Other Feature,Petroform,Cairn	yes
DgSg 15	344035	5443927	10	PRECONTACT,Human Remains,Rock Shelter|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,|TRADITIONAL USE,Culturally Modified Tree,bark stripped,	yes
DgSg 16	350750	5429700	10	TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,barberchair stump	yes
DgSg 17	342974	5438897	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,	
DgSg 18	341896	5438716	10	PRECONTACT,Cultural Material,Subsurface,Shell Midden|PRECONTACT,Cultural Material,Surface,Lithics	
DgSg 19	347324	5447199	10	PRECONTACT,Transportation Feature,Trail	yes
DgSg 2	343782	5434755	10	PRECONTACT,Subsistence Feature,Fishing,	
DgSg 20	345098	5443990	10	PRECONTACT,Cultural Material,Subsurface,Faunal|STR,	yes
DgSg 21	352700	5436421	10	PRECONTACT,Cultural Material,Subsurface,Firebroken Rock|STR,	yes
DgSg 22	352345	5430827	10	PRECONTACT,Human Remains,Rock Shelter	yes
DgSg 23	353285	5430014	10	PRECONTACT,Cultural Material,Subsurface,Shell Midden|STR,	
DgSg 24	351142	5437969	10	PRECONTACT,Transportation Feature,Petroform,Canoe Skid	yes
DgSg 3	343960	5433971	10	STR,STR,STR|TRADITIONAL USE,Culturally Modified Tree,|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,felled|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,planked|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,sectioned|TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DgSg 5	342595	5438168	10	STR,STR,STR,STR|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,|TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DgSg 6	343809	5434955	10	HISTORIC,Cultural Material,surface,refuse|PRECONTACT,Cultural Material,Subsurface,|STR,STR,STR,STR	yes
DgSg 7	342328	5432874	10	PRECONTACT,Ceremonial/Religious Feature,Rock Art,Pictograph|STR,STR,STR,STR	
DgSg 8	351039	5438048	10	STR,STR,STR,STR|TRADITIONAL USE,Culturally Modified Tree,|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,felled|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,notched|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,planked|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,sectioned|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,undercut|TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DgSg 9	350325	5439095	10	STR,STR,STR,STR|TRADITIONAL USE,Culturally Modified Tree,bark stripped,|TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	yes
DgSh 10	340259	5440048	10	CHIN Feature Remarks,|PRECONTACT,Subsistence Feature,|STR,STR,STR,STR	
DgSh 11	339531	5434123	10	HISTORIC,Other,Communications,telegraph wire|STR,STR,STR,STR|TRADITIONAL USE,Culturally Modified Tree,|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,felled|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,notched|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,planked|TRADITIONAL USE,Culturally Modified Tree,bark stripped,	
DgSh 12	341344	5436232	10	STR,STR,STR,STR|TRADITIONAL USE,Culturally Modified Tree,|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,felled|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,notched|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,planked	
DgSh 13	339003	5432087	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	

DgSh 14	341226	5436517	10	TRADITIONAL USE,Culturally Modified Tree,|TRADITIONAL USE,Culturally Modified Tree,bark stripped,large rectangular scar|TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DgSh 16	340655	5440221	10	STR,STR,STR,STR|TRADITIONAL USE,Culturally Modified Tree,|TRADITIONAL USE,Culturally Modified Tree,bark stripped,|TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DgSh 18	341520	5434167	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,	
DgSh 22	340356	5430756	10	TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,	
DgSh 23	340462	5431112	10	TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,|TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DgSh 24	339025	5429811	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DhSe 1	367050	5458515	10	PRECONTACT,Cultural Material,Subsurface,Shell Midden	
DhSe 12	366337	5453234	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DhSe 14	367326	5458522	10	PRECONTACT,Cultural Material,Surface,Lithics	
DhSe 15	366832	5458448	10	PRECONTACT,Cultural Material,Surface,Lithics|STR,	
DhSe 16	366751	5458023	10	PRECONTACT,|PRECONTACT,Cultural Material,Surface,Lithics	
DhSe 17	366694	5458980	10	POSTCONTACT,Cultural Material,surface,|PRECONTACT,Cultural Material,Surface,Lithics|STR,	
DhSe 18	366901	5458966	10	PRECONTACT,Cultural Material,Surface,Lithics|STR,	
DhSe 19	366725	5458752	10	PRECONTACT,Cultural Material,Surface,Lithics|STR,	
DhSe 3	366907	5458668	10	PRECONTACT,Cultural Material,Subsurface,Lithics|PRECONTACT,Cultural Material,Surface,Lithics	
DhSe 4	367971	5457841	10	PRECONTACT,Subsistence Feature,Fishing,Fishing Weir	
DhSe 5	367755	5453185	10	HISTORIC,Building,Habitation,|PRECONTACT,Cultural Material,Surface,Lithics|PRECONTACT,Human Remains,Burial	
DhSe 6	367329	5457827	10	HISTORIC,Cultural Material,surface,trade goods|PRECONTACT,Cultural Material,Subsurface,Shell Midden|PRECONTACT,Cultural Material,Surface,Lithics|PRECONTACT,Other Feature,Petroform,Cairn	
DhSe 7	368006	5450960	10	PRECONTACT,Cultural Material,Subsurface,Shell Midden	
DhSe 8	367057	5450030	10	HISTORIC,Building,Habitation,log cabin|PRECONTACT,Subsistence Feature,Fishing,|PRECONTACT,Transportation Feature,Trail	
DhSe 9	367480	5456472	10	PRECONTACT,Subsistence Feature,Fishing,Fishing Weir	
DhSf 1	360336	5461462	10	PRECONTACT,Ceremonial/Religious Feature,Rock Art,Petroglyph	
DhSf 10	361769	5461451	10	PRECONTACT,Cultural Material,Surface,Lithics	
DhSf 11	362135	5461443	10	PRECONTACT,Cultural Material,Surface,Lithics	
DhSf 12	363191	5461897	10	PRECONTACT,Cultural Material,Surface,Lithics	
DhSf 13	364846	5459620	10	PRECONTACT,Cultural Material,Surface,Lithics	
DhSf 14	364943	5459926	10	HISTORIC,Building,Habitation,cabin|PRECONTACT,Cultural Material,Surface,Lithics	
DhSf 15	364890	5459796	10	PRECONTACT,Cultural Material,Subsurface,Lithics	
DhSf 16	364165	5460451	10	PRECONTACT,Cultural Material,Surface,Lithics	
DhSf 17	363711	5461649	10	PRECONTACT,Cultural Material,Subsurface,Lithics	
DhSf 18	363850	5461661	10	PRECONTACT,Cultural Material,Subsurface,Lithics	
DhSf 19	363787	5461980	10	PRECONTACT,Cultural Material,Surface,Lithics	
DhSf 2	357140	5458579	10	PRECONTACT,Cultural Material,Surface,Lithics	
DhSf 20	363481	5461852	10	PRECONTACT,Cultural Material,Surface,Lithics	
DhSf 21	363093	5461749	10	PRECONTACT,Cultural Material,Surface,Lithics	
DhSf 22	363765	5462139	10	PRECONTACT,Cultural Material,Surface,Lithics	
DhSf 24	364238	5460959	10	PRECONTACT,Cultural Material,Surface,Lithics	
DhSf 25	366254	5457261	10	PRECONTACT,Cultural Material,Surface,Lithics|STR,	
DhSf 26	365097	5458655	10	HISTORIC,Human Remains,grave	
DhSf 27	362006	5463465	10	PRECONTACT,Cultural Material,Surface,Lithics	
DhSf 28	364845	5460249	10	PRECONTACT,Cultural Material,Surface,Lithics	
DhSf 29	363993	5461458	10	PRECONTACT,Cultural Material,Surface,Lithics	
DhSf 3	365345	5458645	10	HISTORIC,Cultural Material,surface,refuse|PRECONTACT,Human Remains,Burial	
DhSf 30	364080	5460824	10	PRECONTACT,Cultural Material,Surface,	
DhSf 31	365121	5459800	10	PRECONTACT,Cultural Material,Subsurface,Lithics	
DhSf 32	365194	5460376	10	PRECONTACT,Cultural Material,Surface,Lithics	
DhSf 33	365479	5458768	10	CHIN Feature Remarks,|PRECONTACT,Other Feature,Petroform,|STR,STR,STR,STR	
DhSf 34	365982	5465548	10	CHIN Feature Remarks,|PRECONTACT,Subsistence Feature,	
DhSf 35	361024	5465367	10	TRADITIONAL USE,Culturally Modified Tree,|TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	

DhSf 36	361456	5464935	10	TRADITIONAL USE,Culturally Modified Tree,|TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DhSf 37	361748	5464526	10	TRADITIONAL USE,Culturally Modified Tree,|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,felled	
DhSf 38	361805	5463333	10	TRADITIONAL USE,Culturally Modified Tree,|TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DhSf 39	357765	5461935	10	TRADITIONAL USE,Culturally Modified Tree,|TRADITIONAL USE,Culturally Modified Tree,bark stripped,|TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DhSf 4	364941	5459757	10	PRECONTACT,Cultural Material,Subsurface,Lithics	
DhSf 40	366295	5453894	10	TRADITIONAL USE,Culturally Modified Tree,|TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DhSf 41	360919	5466065	10	HISTORIC,Cultural Material,surface,foundation|PRECONTACT,Cultural Material,Surface,Lithics|STR,|TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,barberchair stump|TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DhSf 42	360789	5466113	10	PRECONTACT,Habitation Feature,Refuge|PRECONTACT,Other Feature,Cultural Depression,Function Unassigned|TRADITIONAL USE,Culturally Modified Tree,	
DhSf 43	365992	5458431	10	PRECONTACT,Cultural Material,Subsurface,Lithics|PRECONTACT,Cultural Material,Surface,Lithics|STR,	
DhSf 44	355061	5457438	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,large rectangular scar	
DhSf 45	357588	5457388	10	PRECONTACT,Cultural Material,Surface,Lithics	
DhSf 46	365319	5450641	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DhSf 47	366456	5457247	10		
DhSf 48	355389	5465891	10	PRECONTACT,Cultural Material,Subsurface,Lithics	
DhSf 5	362479	5461546	10	PRECONTACT,Cultural Material,Subsurface,Lithics	
DhSf 6	366075	5458598	10	PRECONTACT,Cultural Material,Subsurface,Shell Midden|PRECONTACT,Cultural Material,Surface,Lithics	
DhSf 7	365554	5459071	10	PRECONTACT,Cultural Material,Surface,Lithics	
DhSf 8	365517	5458916	10	PRECONTACT,Cultural Material,Surface,Lithics	
DhSf 9	365286	5459434	10	PRECONTACT,Cultural Material,Surface,Lithics	
DhSg 1	351273	5459662	10	PRECONTACT,Cultural Material,Surface,Lithics	
DhSg 2	346255	5463812	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,other scar	
DhSg 3	342822	5460372	10	PRECONTACT,Cultural Material,Surface,Lithics	
DhSg 4	352982	5458596	10	PRECONTACT,Cultural Material,Surface,Lithics	
DhSg 5	353278	5460518	10	PRECONTACT,Cultural Material,Surface,Lithics	
DhSg 6	353184	5458103	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DhSg 7	353180	5457978	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DhSg 8	353055	5457828	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DhSg 9	353310	5457543	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DhSh 1	339728	5461710	10	PRECONTACT,Cultural Material,Surface,Lithics	
DiSf 3	355552	5471921	10	STR,STR,STR,STR|TRADITIONAL USE,Culturally Modified Tree,|TRADITIONAL USE,Culturally Modified Tree,bark stripped,|TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DiSf 5	358611	5467343	10	TRADITIONAL USE,Culturally Modified Tree,aboriginally logged,flat stump|TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DiSf 6	358724	5467817	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DiSf 7	355280	5472211	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DiSf 8	355215	5472226	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DiSg 1	346169	5470017	10	STR,STR,STR,STR|TRADITIONAL USE,Culturally Modified Tree,	yes
DiSg 11	345400	5480192	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DiSg 13	347231	5480151	10	PRECONTACT,Cultural Material,Surface,Lithics	
DiSg 14	347469	5480042	10	PRECONTACT,Cultural Material,Surface,Lithics|STR,	
DiSg 15	347544	5479879	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DiSg 17	346462	5479817	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DiSg 18	346398	5480011	10	PRECONTACT,Cultural Material,Surface,Lithics|TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DiSg 2	344217	5471169	10	PRECONTACT,Cultural Material,Surface,Lithics	yes
DiSg 21	343980	5479317	10	PRECONTACT,Cultural Material,Surface,Lithics|TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DiSg 24	343109	5479166	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DiSg 25	343309	5479189	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	
DiSg 26	343121	5479270	10	TRADITIONAL USE,Culturally Modified Tree,bark stripped,tapered scar	

I.R.Wilson Consultants Ltd.