

**ARCHAEOLOGICAL RESOURCE IMPACT
ASSESSMENT:
GOLDBORO INDUSTRIAL PARK**

Heritage Research Permit A2004NS76



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Category C**

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Cover: Red Head, sod removed from north side of site, looking west.

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EXECUTIVE SUMMARY

In October 2004, Davis Archaeological Consultants Limited was awarded a contract to conduct an archaeological resource impact assessment of the Goldboro Industrial Park in Guysborough County, Nova Scotia. The work was conducted as part of the environmental impact assessment for the proposed Keltic Petrochemicals plant.

During the initial communications between Davis Archaeological Consultants and the client, three issues of heritage concern were identified. The first of these was the Black Loyalist cemetery at Red Head. In 2000, archaeologist Laird Niven was approached by the nearby Lincolnville community to assess and mitigate the site out of concern that burials were being impacted by shoreline erosion. Twenty-six burials were removed over the next two field seasons and reburied in the Baptist cemetery at Goldboro. In an effort to ensure that no additional burials remained at Red Head after the 2000 – 2001 excavations, Davis Archaeological Consultants conducted subsurface testing approximately 8 metres beyond the southernmost burials revealed in 2000 – 2001. DAC was also concerned about the potential presence of an associated Black Loyalist settlement within the study area.

The second issue of concern was the potential presence of First Nations sites within the study area. Local residents and amateur historians have indicated that Mi'kmaq encampments existed on Schoolhouse Brook approximately ½ kilometre north of the study area as well as in Webb's Cove on the west side of the study area.

Finally, previous archaeological assessments by DAC for the Maritimes and Northeast Pipeline produced remnants of gold mining activity and, therefore, given the rich mining history in Goldboro, additional mining features were anticipated within the current study area.

Several heritage features were encountered during the archaeological assessment including five features of unknown age and function along the shore at Isaac's harbour. Several mid-nineteenth and twentieth century gold mine works were discovered including a complex of features associated with the Hurricane Island Mine. A nineteenth-century mill was found at Dung Cove as well as the remains of a possible nineteenth-century homestead. In addition to these resources, several areas of random cultural activity were noted. This report is a summary of the documentary and field investigations conducted within the study area, the expected impact on those resources, their significance, and recommendations for their mitigation which include further research and subsurface testing where such resources are believed to be of high cultural and/or archaeological significance subsurface or where it is suspected heritage resources may be buried. Monitoring by a qualified archaeologist is recommended in areas, such as Red Head, where heritage resources are believed to be of low archaeological and/or cultural significance or where resources were once removed but the site still holds cultural and spiritual significance for a community, such as at the Red Head cemetery site. The majority of the resources encountered are not expected to be impacted by construction

and, therefore, no recommendations for mitigation are made unless construction plans change so that these resources may be impacted.

1.0 INTRODUCTION

In October 2004, Davis Archaeological Consultants Limited conducted an archaeological resource impact assessment of the Goldboro Industrial Park under contract to Alan Bell Environmental Management Services, acting on behalf of Keltic Petrochemicals Inc., and in accordance with Heritage Research Permit A2004NS76 (Appendix A). The property is the proposed site for a petrochemical plant and liquefied natural gas facility to be constructed by Keltic Petrochemicals beginning in 2005. The purpose of the assessment was to locate potential heritage resources within the study area, assess the archaeological and cultural sensitivity of any such resources, and provide recommendations for mitigation where necessary. A field survey was conducted by three to five qualified archaeologists over three weeks between 4 and 29 October 2004 and was preceded by a historical background study.

2.0 DEVELOPMENT AREA

The development area is located on the east side of Isaac's Harbour and encompasses approximately 125 hectares within the Goldboro Industrial Park in Guysborough County adjacent to the Sable Offshore Energy Gas Plant. Several industrial buildings and storage facilities are proposed including a liquefied natural gas terminal and storage facility, a petrochemical process facility, a co-generation plant, and associated infrastructure. At Red Head, a major storage facility, wharf, and breakwater are proposed (Figure 2.0.1).

2.0.1 Natural Environment

The development area is located within the Guysborough Harbours natural region in which cobbly beaches are characteristic and glacial outwash is common, attributing to poor drainage and resulting swamp land in many areas. Particularly in Goldboro and nearby Seal Harbour, underlying auriferous quartz veins have given way to a prosperous gold mining industry in the nineteenth and early twentieth centuries. Much of the land within the development area is forested with softwood types (mainly spruce and fir) and is interspersed with black spruce swamps and cranberry marshes. Recent clear cutting with the past 10 years has resulted in new tree growth in many areas. The harbours within this unit are important breeding grounds for several species of waterfowl and shorebirds.¹ Several species of shellfish have been observed along the shore including mussels, clams, snails, and crabs and seals frequent the rocky harbour at Webbs Cove. In addition to deer which area common to the area, evidence of bears has also been observed within the development area.

2.0.2 Cultural Environment

Before the arrival of European settlers to Goldboro in the nineteenth century, the area was home to at least two Mi'kmaq encampments, one at Schoolhouse Brook which is believed to have been their burying ground, and the other at the head of the harbour on Isaac's Harbour River. Local residents have also indicated the possibility of a third encampment at Webbs Cove. The district was known to the Mi'kmaq as "Eskegawagik"

¹ Davis and Browne 1996:207-208.

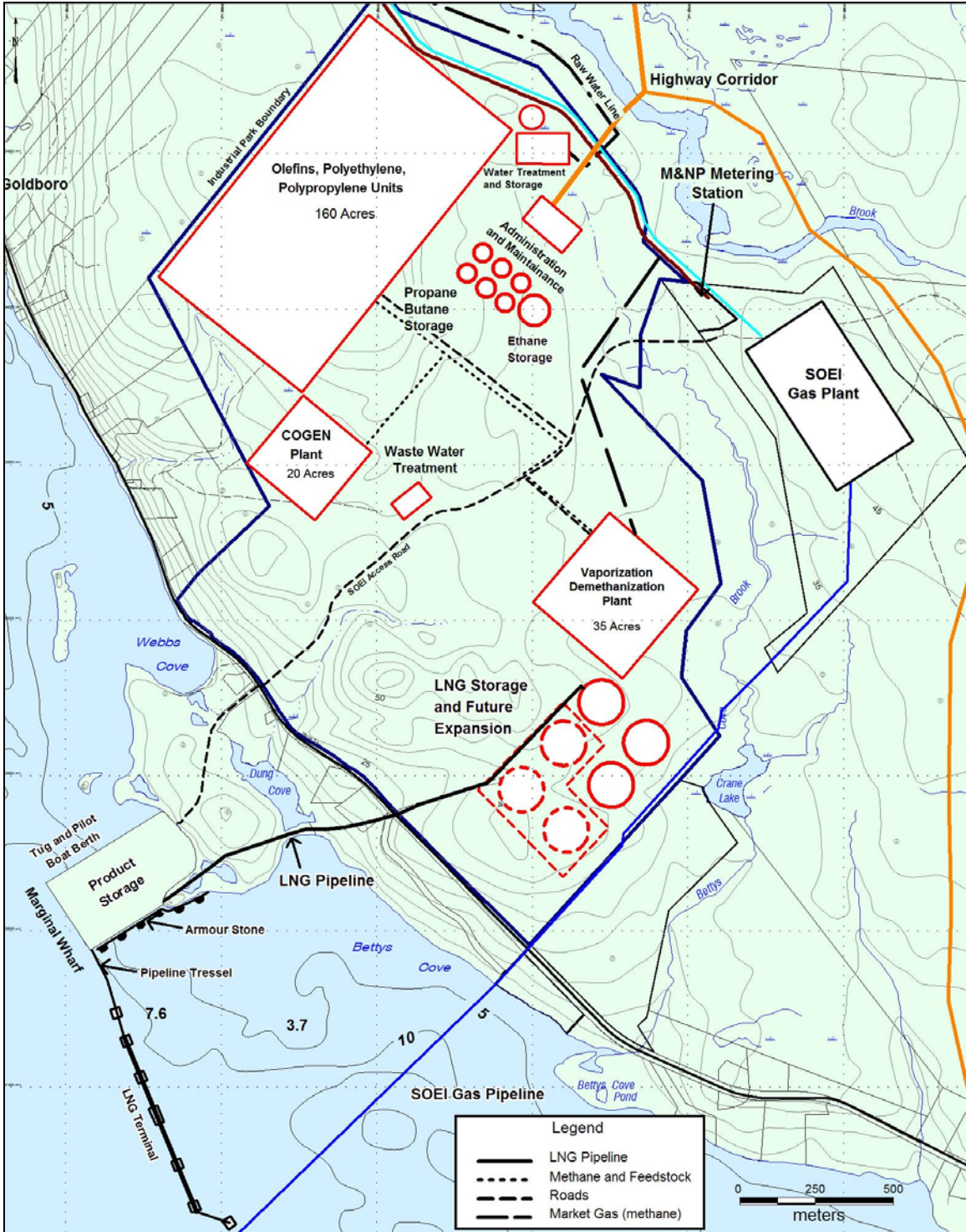


Figure 2.0.1: Development Area showing proposed locations of buildings, storage facilities, LNG pipelines, and access roads.

meaning “skin-drying place”.² In the seventeenth century, Isaac’s Harbour was known to the French as Raspberry Harbour and after 1720, its name was changed to Port Hinchbrook by the English after Viscount Hinchbrook, Earl of Sandwich.³ There is no documented European settlement in Port Hinchbrook prior to 1817.

In 1784, disbanded members of the King’s Rangers from the Carolinas settled at Country Harbour to the west. In 1817, the homes and buildings of these settlers were destroyed in the “August Gale” and many abandoned the settlement, moving further inland or returning to the United States. One Black Loyalist settler, Isaac Webb, found himself abandoned by his master and decided to move his family to the east side of Port Hinchbrook which was unsettled save for the few native encampments. Webb built a large white farmhouse and it is said that his family was “industrious and saving and soon were in prosperous circumstances.”⁴

The name of Port Hinchbrook was again changed after 1830 when some fishermen from the western end of the province got caught in storm returning from Labrador. They took shelter in Port Hinchbrook and there they met Isaac Webb who, as the story is often told, welcomed and provided hospitality for anyone in need or want of it.⁵ The following spring, these fishermen and their families, along with settlers from Shelburne County and several remaining families of King’s Rangers from Country Harbour began moving to Port Hinchbrook. The majority of them, it seems, settled on the west side of the harbour. The community became known as Isaac’s Harbour after the hospitable pioneer the settlers found there. Several families of Black Loyalists settled around what is now known as Webb’s Cove. Among them were the Webbs, of course, along with the Clykes, Harrigans, and Parises. Most of the early Black Loyalists were fishermen.⁶

The first settlers were Baptists and their church was built in 1840 on the west side of the harbour. The settlers from the east side travelled to church by boat. It was not until 1899 that a church was built on east side of the harbour.⁷ Although the Black Loyalist settlers on the east side were originally members of the first Baptist church in Isaac’s Harbour West, it appears that most, if not all, of them were buried in a cemetery at Red Head on the east side of the harbour rather than in the church cemetery on the west side. No burial records for the cemetery at Red Head have been located and only one headstone was ever known in the cemetery, although an archaeological excavation in 2001 resulted in the discovery and removal of 24 burials. The single carved headstone in the cemetery was that of Henry Webb who died in 1935 and was the last surviving descendent of the original settlers remaining in Isaac’s Harbour East.⁸

² Cook 1976:7.

³ Cook 1976:8; Eastern Chronicle.

⁴ Hart 1975:153.

⁵ Cook 1976:9; Jost n.d.:86; MacMillian n.d.:98.

⁶ Cook 1976:9-10, 196; PANS MG 100 Vol. 168.

⁷ Cook 1976:43-47; MacMillian n.d.:98.

⁸ Niven, et. al. 2001.

On March 11, 1898 Isaac's Harbour East was renamed "Goldboro" by an act of Legislature, due to the discovery of gold there in the mid-nineteenth century.⁹

Historic maps reveal little about the settlement history of the study area, land not having been granted by the province until the late nineteenth century. The 1776 Atlantic Neptune does not show any settlement on Isaac's Harbour (Port Hinchbrook). Nor does the 1834 Great Map of Nova Scotia, although the main road along the shore is shown. Ambrose F. Church's map of Isaac's Harbour, published in 1876, shows several wharves and stores along the shore, along with a lobster factory and an "old crusher" just north of Webbs Cove. A cookhouse, blacksmith shop, "old mines" and a few residences are situated within the study area on the east side of the main road. (Figure 2.0.2)¹⁰ In 1864, Timothy Webb was squatting on approximately 50 acres on the east side of the road opposite Dung Cove.¹¹ Land grants were not issued until 1888, the first being to William A. Hewitt who was granted 20 acres on the north point of Dung Cove on October 2nd of that year. It appears that James Webb was squatting on a piece of land adjacent to Hewitt's grant which was officially granted to Stephen Sweet on June 1st of the following year (35 acres) and encompassed the land at Red Head.¹² Stella Mae Warner was granted 192 acres of land on the east and west sides of the main road at Betty's Cove on January 31st, 1955. The land to the south and the northeast of this were not granted at that time and had been escheated on June 2nd, 1881 (Figure 2.0.3).¹³

Gold was first discovered on the west side of Isaac's Harbour on September 14, 1861 by amateur prospector Joseph Hines. It was discovered a short time later on the east side of the harbour by two natives, on what became known as the Mulgrave lead. By 1862, several leads had been discovered and were in operation throughout the district including the Mulgrave and Victoria leads in Goldboro. On the Mulgrave lead, 15 shafts were sunk varying from 15 to 60 feet in depth. Three shafts were sunk on the Victoria lead. In 1866, Gallagher and Company mined the Mulgrave lead and sunk a shaft 230 feet deep and connected it to a 238-foot-deep shaft 100 feet to the east. By September of that year, 6,636 ounces of gold had been extracted from Isaac's Harbour, the average yield being two ounces, two pennyweights, and one gram. Isaac's Harbour Company mined two shafts on the Victoria lead until its crusher was lost to fire in 1868 and work was halted. The Mulgrave lead continued to be mined and in 1869, two more shafts were sunk 437 feet south of the Mulgrave lead, 900 feet apart. Southeast of the north Mulgrave lead, a belt about 600feet long was discovered in September and mined. The Mulgrave lead continued to be mined at varying rates and under various management firms well into the twentieth century.¹⁴

In 1887, a quartz vein was discovered on Hurricane Island and three shafts were sunk and worked by the Island Mining Company. A gold lead was discovered in the Skunk Den in

⁹ Statutes of Nova Scotia 1898.

¹⁰ Church 1876.

¹¹ Department of Lands and Forests 1952.

¹² Department of Lands and Forests 1888; Department of Lands and Forests 1889.

¹³ Department of Lands and Forests 1952; Department of Lands and Forests 1955.

¹⁴ Malcolm 1912:97-99.

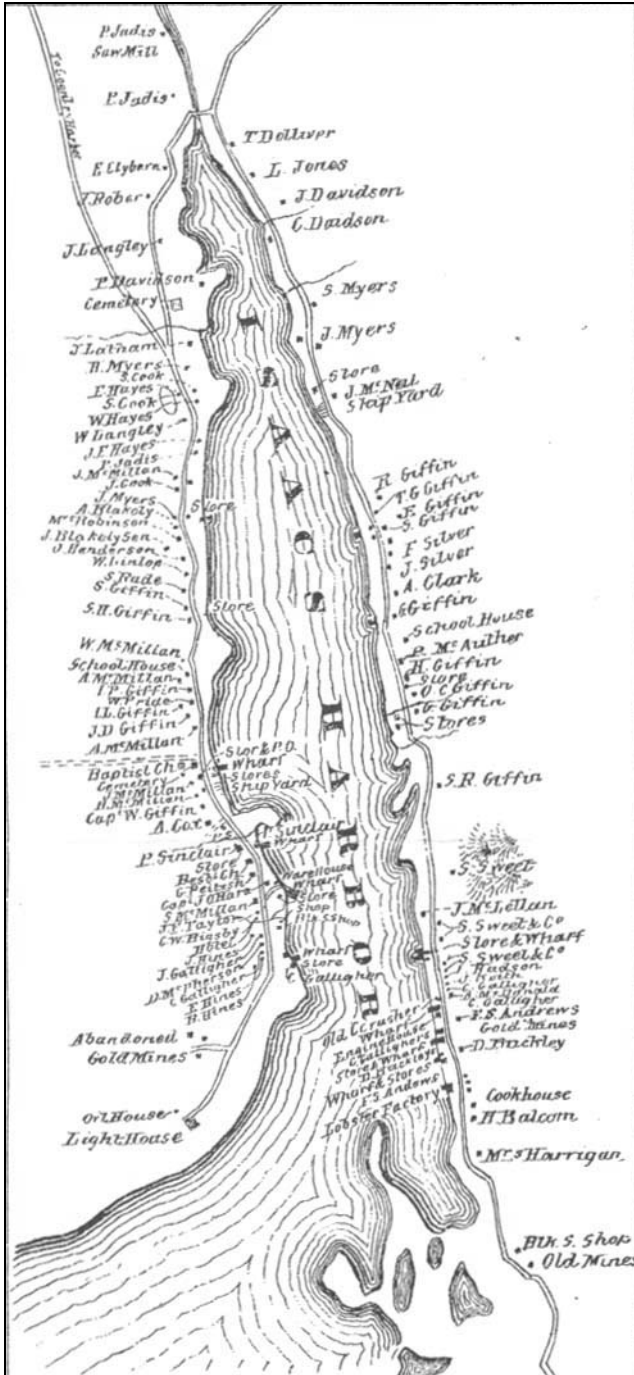


Figure 2.0.2: Ambrose F. Church's map of Isaac's Harbour, 1876.¹⁵

¹⁵ Church 1876.

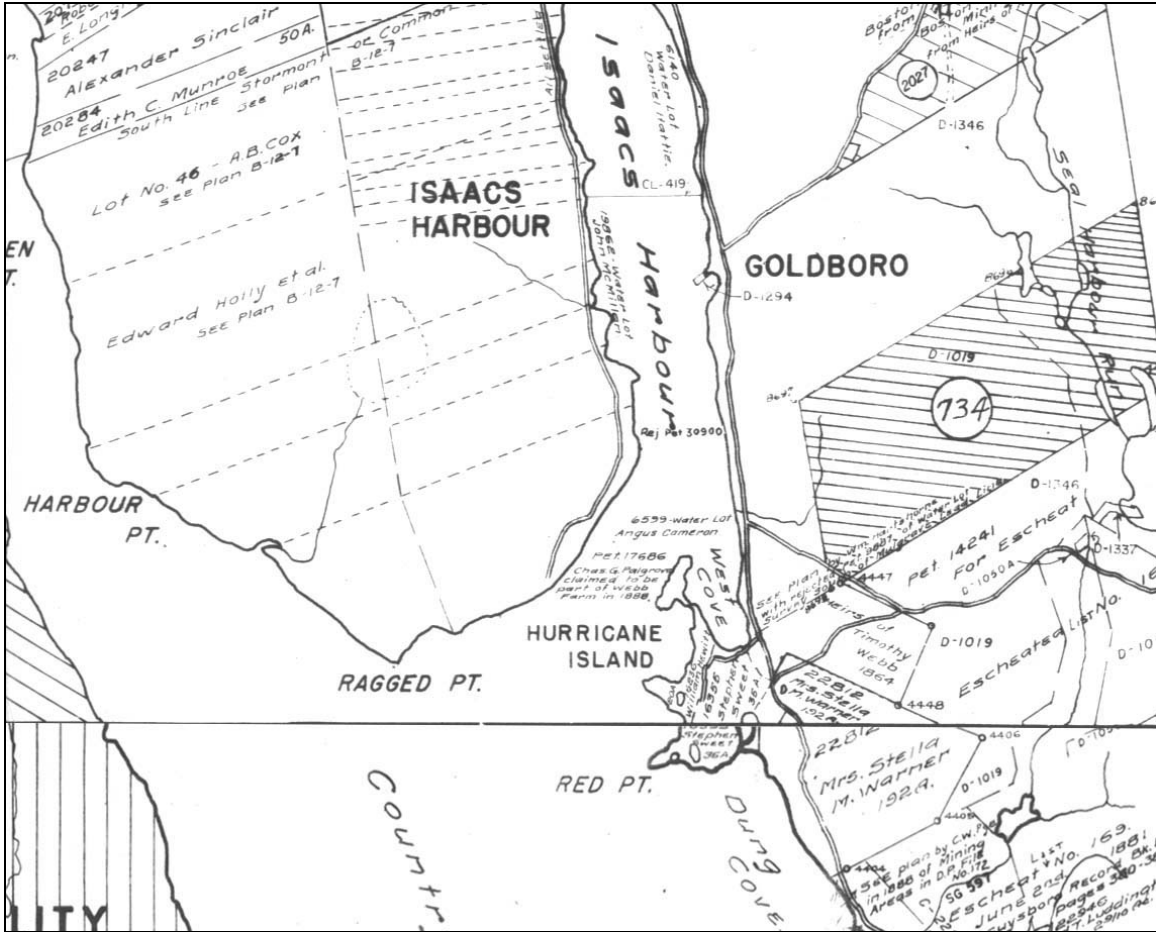


Figure 2.0.3: Original Crown Land Grants for Isaac’s Harbour.¹⁶

1890 and was being mined by 1892 (Figure 2.0.4).¹⁷ Mining in Goldboro halted for the last time in 1943. Although gold yields in the district had been profitable for about a century, economic and municipal development was stunted by the inaccessibility of the area, the only roads leading into or out of the district in the nineteenth century being to and from Salmon River and Country Harbour.¹⁸

¹⁶ Department of Lands and Forests 1952.

¹⁷ Hunt 1868:32; Malcolm 1912:99.

¹⁸ Hunt 1868:32.

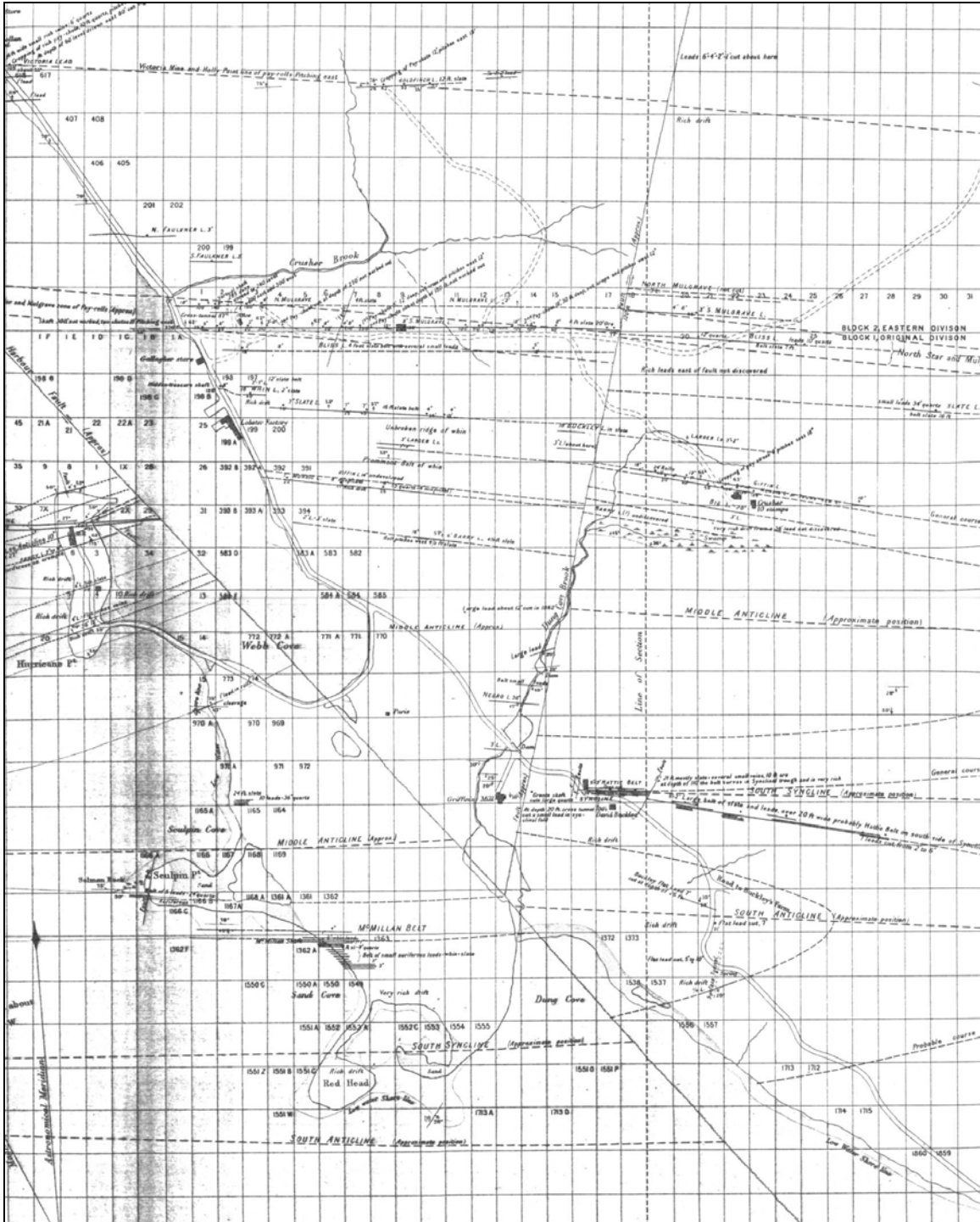


Figure 2.0.4: Isaac's Harbour Gold District, 1904.¹⁹

¹⁹ Geological Survey of Canada 1904.

In 2000 and 2001 a crew of archaeologists and concerned community members, lead by archaeologist Laird Niven, conducted an excavation of the cemetery at Red Head in order to identify and remove burials which were being impacted by severe erosion of the table land on which the cemetery was located. Twenty-six burials were encountered over the two seasons and the skeletal remains were moved to a laboratory where forensic analysis and identification (gender, age, pathology) was conducted before the remains were reburied at the Goldboro Baptist Cemetery. The project was carried out over eight weeks with a crew of five archaeologists and several laborers.

Only one carved headstone was present in the cemetery, that of Henry Webb who died in 1935. Locating graves, then, was not as easy as investigating by typical gravestone markers. While most of the graves did have crude fieldstone/boulder markers at the head and/or foot of the grave, many of them were buried beneath sod and not readily detectable on the surface. Typical mounding or depression usually associated with graves was not present on the surface, further complicating the location of graves (Plate 2.0.1). Thus, the sod had to be first stripped from the surface and 20 to 30 centimetres of the top soil was removed by hand to delineate the burial shafts which occurred as redeposited grey-green hardpan surrounded by a “bright orange-red sandy sterile soil” (Plate 2.0.2).²⁰ The depths of burial shafts varied from 1.6 metres to less than ½ metre. The majority of coffins were undecorated although some were contained within protective rough-boxes and exhibited elaborate hardware and coffin furniture (handles and thumbscrews) and three of the coffins had glass viewing panes, indicating possible differences in perceptions of status.

The level of preservation among the burials was equally varied. In one of the burials at the south-southeast end of the cemetery, the coffin had almost completely decayed leaving only an organic stain in the surrounding soil matrix. The skeletal remains were limited to “the shafts of the long bones, part of the skull, the feet, and a few teeth” (Plate 2.0.3).²¹ A grave on the west side of the cemetery, by contrast, contained substantive remains of a wool jacket (dark green in color), a tan plaid shirt, and brown wool pants still clothing the individual. Buttons from the jacket and shirt, shoe nails, and cuff fasteners were also found. The ribs remained in a very good state of preservation as did the remainder of the skeleton (Plates 2.0.4, 2.0.5).

²⁰ Niven et. al. 2001:10.

²¹ Niven et. al. 2001:34-35.



Plate 2.0.1: Northwest side of Red Head cemetery in 2001. Grave shafts are not discernable on the surface (courtesy L. Niven).



Plate 2.0.2: Grave shafts delineated at northwest end of Red Head cemetery in 2001 (courtesy L. Niven).



Plate 2.0.3: R5-2 burial excavated in 2001 showing poor state of preservation (courtesy L. Niven).



Plate 2.0.4: R2-5 burial excavated in 2001 showing excellent state of preservation of skeletal elements and clothing (courtesy L. Niven).



Plate 2.0.5: Comparison of the state of preservation between two burials excavated in 2000 (right) and 2001 (left) on the south-southeast side of Red Head Cemetery.

3.0 STUDY AREA

The study area includes the entire 125 hectares in the Goldboro Industrial Park as well as the peninsula on which Webbs Cove is situated (Figure 3.0.1). An archaeological reconnaissance was conducted throughout this entire area with subsurface testing conducted at the Red Head cemetery. Archaeological sites were encountered and recorded throughout the study area and recommendations for mitigation are made.

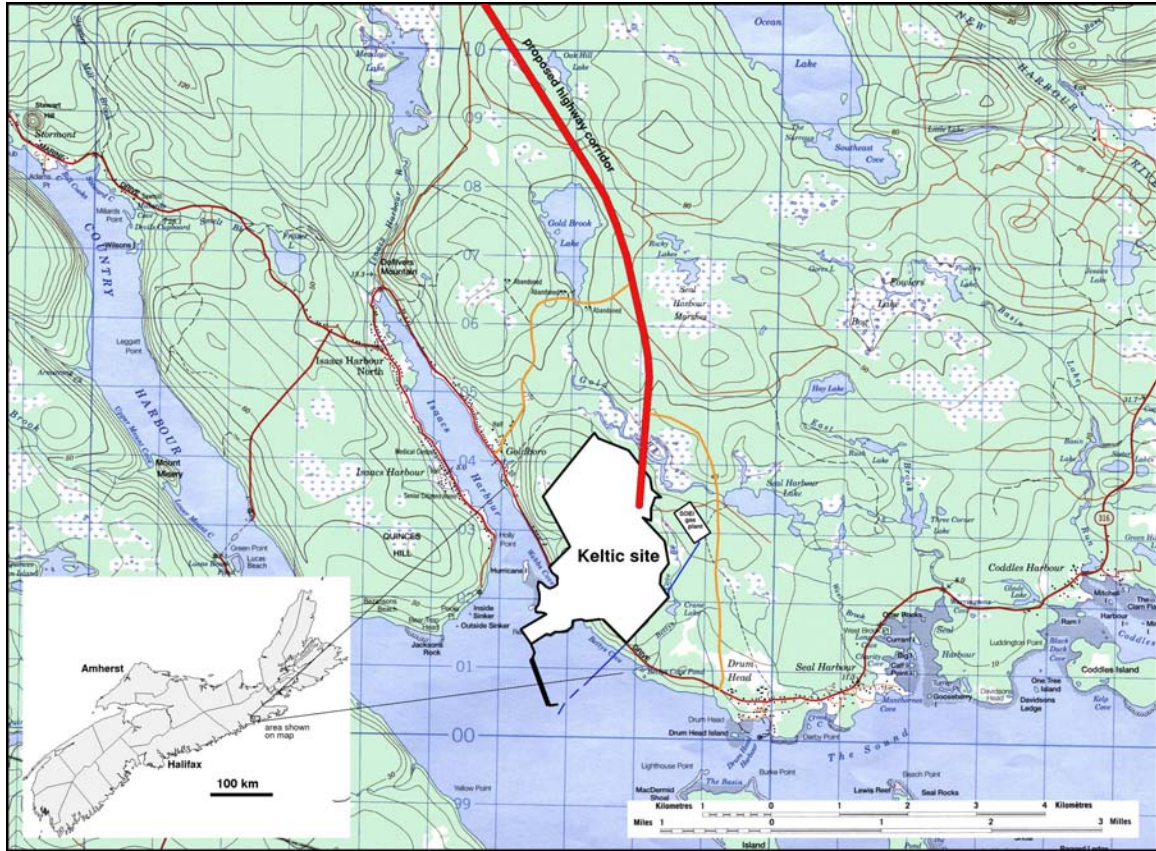


Figure 3.0.1: Map of the study area.

4.0 METHODOLOGY

Subsurface testing was conducted at Red Head over three days by a crew of five experienced archaeologists. The purpose of this testing was to ensure that no burials remained after the 2000 -2001 removal. This work was supervised by Mr. Laird Niven, the archaeologist who conducted the 2000 – 2001 burial excavations there. The sod was stripped from an area approximately 5.5 metres wide beyond the south end of the 2000 – 2001 excavation area and 3 metres beyond the east side, proceeding in 2-metre-wide strips (Figure 4.0.1). Beneath the sod, the soil was excavated down to a depth of 20 – 30 centimetres at which point any evidence of grave shafts would have been detectable. The soil matrix was relatively uniform (brown, red, orange, and yellow mottled sandy loam) except in one area approximately 40 centimetres by 10 centimetres at the north end of the test area which produced a thin (5-8 cm) layer of charcoal and leached soil. This matrix quickly disappeared and the typical mottled matrix was reached. No cultural materials were discovered and it was determined that this phenomenon was likely due to brush burning in order to clear the site for the cemetery. No other anomalies were encountered.

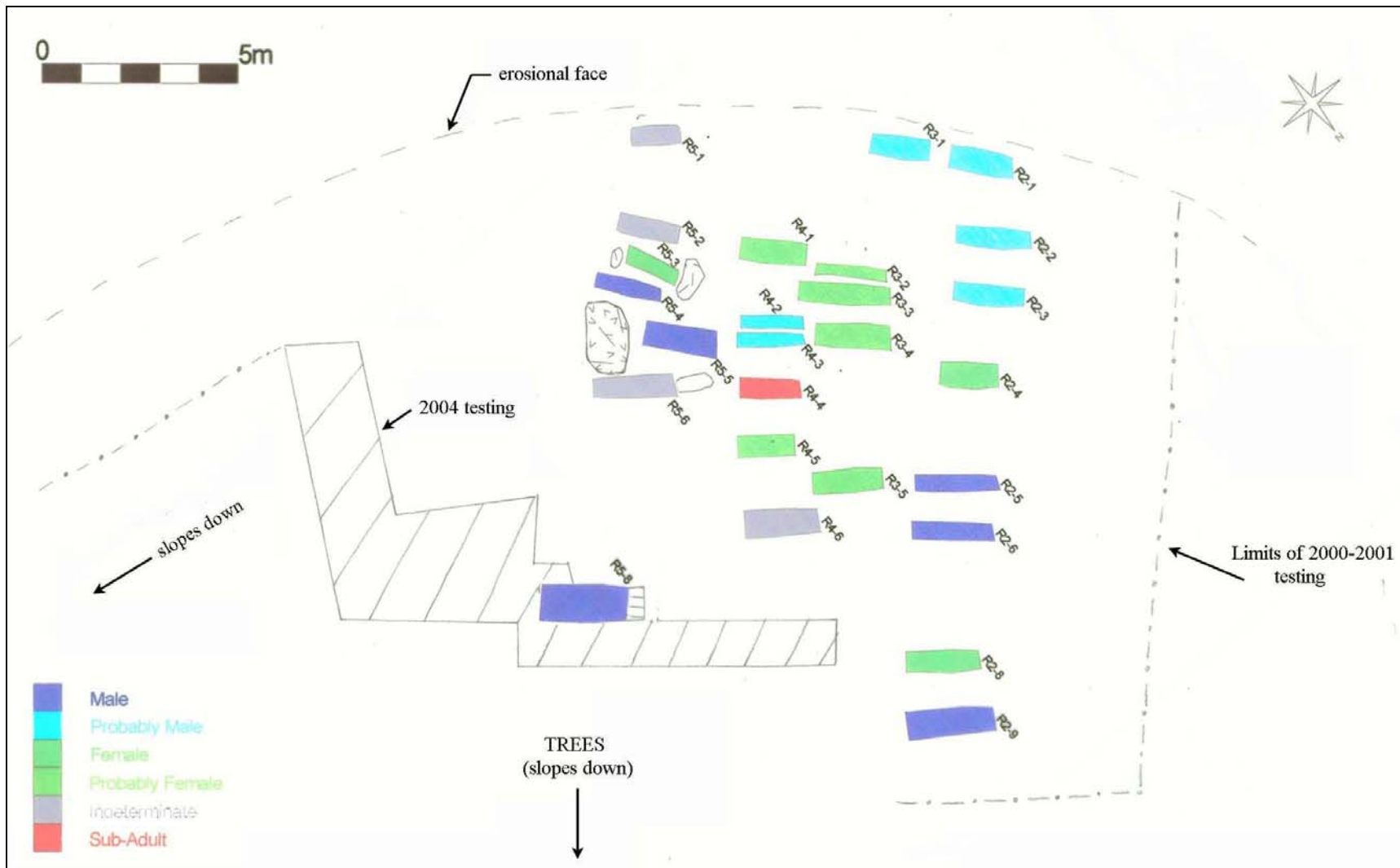


Figure 4.0.1: Burials encountered during 2000-2001 season by Niven, showing extent of 2004 testing by DAC (courtesy L. Niven).

The remainder of the study area, including the peninsula on which Red Head is situated, was surveyed by three to five archaeologists paying particular attention to areas adjacent to old roadways and property survey lines as well as to those areas in which cultural modification was evident. No subsurface testing was conducted during the survey as this phase of the study was a presence/absence exercise only. Several archaeological resources were encountered and recorded according to standard procedures set forth by the Nova Scotia Museum. Maritime Archaeological Inventory Forms (Appendix B) were completed for each site and detailed field notes and digital photographs were kept (Appendix C). Where possible, precise geodetic coordinates were collected for each site using a Leica GS20 GPS unit. In some instances, however, tree cover did not allow for an accurate reading and the location of those sites was approximated as closely as possible using historic maps, landmarks, and aerial photographs. GPS coordinates were then overlaid onto an aerial photograph (Figure 4.0.2).

5.0 RESOURCE INVENTORY

No additional burials were encountered at Red Head during subsurface testing. Twelve archaeological sites were encountered during the survey of the remainder of the study area including eight sites on the peninsula, one on Hurricane Island, and the remaining three within the Industrial Park.

Sculpin Cove 1

The Sculpin Cove 1 site is located on the west shore of the peninsula north of Red Head, within 3 metres of the shoreline. The site is comprised of an oval- or rectangular-shaped depression measuring approximately 7 metres (north-south) by 3 metres (east-west) and 80 centimetres in depth. There is a possible entrance on the west wall adjacent the shoreline near the north end of the feature. Large fieldstones line the east wall and there is mounding on the north, south, and west walls. The age and function of this feature are unknown although it is suspected that it may be related to the fishery given the alignment of the entrance.

Sculpin Cove 2

The Sculpin Cove 2 site is located 15 metres south of the Sculpin Cove 1 site approximately 8 metres from the shore. The main feature is an oval- or rectangular-shaped depression measuring 6 metres (north-south) by 3 metres (east-west) and is approximately 1 metre deep. There is no definitive mounding around the feature, making the perimeter poorly defined. Approximately 8 metres to the northeast is a possible stone-lined well. The age and function of this site are not known although, given the presence of a well, it is likely associated with settlement.

Sculpin Cove 3

The Sculpin Cove 3 site is located approximately 10 metres from the shoreline, 16 metres south of the Sculpin Cove 2 site. This site is limited to a single feature, an oval- or rectangular-shaped earthen depression measuring 6 metres (north-south) by 4 metres



Figure 4.0.2: Location of heritage resources within the study area. Note: aerial photograph is not georeferenced and, therefore, slight error may occur. For global positioning satellite coordinates, see Appendix C.

(east-west) and 1 metre deep. There is significant mounding at the north end of the feature (Plate 5.0.1). The age and function of this site are unknown.

Sculpin Cove 4

The Sculpin Cove 4 site is located 140 metres south of the Sculpin Cove 3 site less than 1 metre from the shore. This site is comprised of an irregularly-shaped depression measuring 6 metres (north-south) by 5 metres (east-west). Much of the south wall of the feature has been eroded by wave action and the east wall appears to have been truncated by an unknown source (Plate 5.0.2). Again, the age and function of this feature are not known.



Plate 5.0.1: Sculpin Cove 3, looking northwest.



Plate 5.0.2: Sculpin Cove 4, looking southwest.

Sculpin Cove 5

The Sculpin Cove 5 site is located 130 metres west of the Sculpin Cove 4 site on a point of land which juts out into Isaac's Harbour. This point is accessible on foot only during low tide via a cobbly sand bar. This site is limited to an oval- or rectangular-shaped depression measuring 6 metres (north-south) by 3 metres (east-west) and 1 ½ metres in depth. There is a possible entrance on the south side (shore side) suggesting that this site may be related to the fishery (Plate 5.0.3). There are two stone piles to the north of the feature. Again, the age of this site is unknown.

Hurricane Island Mine

The Hurricane Island Mine site is located on an island in Isaac's Harbour which is accessible on foot only during low tide. This site is very extensive and includes numerous mine-related features spread out over the island including several irregularly-shaped depressions associated with air shafts or surface prospecting. There are also several large, deep rectangular depressions filled with crushed stone which may be related to open-pit mining (Plate 5.0.4). On the northwest side of the island is a square structure constructed of blasted or quarried mortared stone measuring approximately 3 ½ metres by 3 ½ metres and 1 ½ metres deep, possibly a powder magazine. On the west side of the feature is an entrance. The feature is built into a bank of glacial till on the east side (Plate 5.0.5). North of this feature is a rectangular fieldstone-lined feature whose function is unknown. Adjacent to it, to the north, is a deep depression with rubble collapse inside. To the northeast of these features is a carefully-laid stone-lined well, now dry (Plate 5.0.6). There is modern refuse scattered throughout the site including an aluminum kettle, ceramics, and beer bottles. This site is associated with the Hurricane Island Mine which was opened in 1887 by the Island Mining Company.

McMillan Mine

The McMillan Mine is located north of Red Head approximately 170 metres southeast of the Sculpin Cove 4 site. The site appears to be relatively modern (early twentieth century) as the main feature is comprised of a square footing of stone and concrete construction with wooden block supports inside. Wire nails can be seen in the wooden supports. The feature measures approximately 5 metres (north-south) by 4 metres (east-west) (Plate 5.0.7). At the northeast corner of the feature is stone rubble and coal wasters. Twenty metres south of the main feature is a mine shaft adjacent to the shoreline (Plate 5.0.8).

Dung Cove

The Dung Cove site is located west of the Dung Cove lagoon on the high ground above. It is accessed by an old roadway that leads northward along the west edge of the lagoon. The site appears to be associated with settlement and includes a rectangular stone-line feature which has been truncated on the east and south sides making an approximation of measurement difficult. The feature is obscured by low tree cover and is surrounded by three stone piles resulting from field clearing. The land appears to have been cultivated at some point. The age of this site is not known but given its proximity to Webbs Cove, it may be associated with Black Loyalist settlement.



Plate 5.0.3: Sculpin Cove 5, looking west.



Plate 5.0.4: Open mine feature on east side of Hurricane Island.



Plate 5.0.5: Possible powder magazine on Hurricane Island, looking east.



Plate 5.0.6: Stone-lined well on Hurricane Island.



Plate 5.0.7: McMillan Mine showing wooden post supports inside main feature.



Plate 5.0.8: Entrance to mine shaft south of McMillan Mine main feature.

Giffin's Mill

The Giffin's Mill site is located above the Dung Cove lagoon on the north side of an old roadway that runs south-westward from Highway #316. The site is comprised of a shallow rectangular depression which is bounded on the east by a wooden structure of vertical posts and on the north and south by a mortared stone wall approximately 75 cm high. On either side of the stone wall extruding from the top of the feature are two threaded iron posts of unknown function. A sluice runs parallel to the old roadway from the Highway and leads to the feature. On the north side of the depression are several scattered coarse- and fine-grade bricks (Plate 5.0.9). This area is marked on historic maps as "Griffin's Mill".²²

Hattie's Belt

The Hattie's Belt site is located adjacent to Highway #316 on the east side, approximately 300 metres south of Sable Road. The site encompasses an area approximately 50 metres by 50 metres and includes several stone crusher piles, air shafts and/or open pits associated with gold mining (Plate 5.0.10). At the west end of the site immediately adjacent the highway is a surface tunnel which is marked on the 1904 gold district map for Isaac's Harbour.²³ This tunnel is several metres deep and approximately ten metres long by 4 metres wide. It has been filled in with modern refuse throughout the past half-century.

Giffin Lead

The Giffin lead is located adjacent to Sable Road on the south side, approximately 500 metres east of Highway #316 and is accessed via an old roadway that runs perpendicular to Sable Road. The site stretches for approximately a 50-metre radius and includes more than a dozen irregularly-shaped depressions, likely associated with surface prospecting for gold. There are also at least six stone crusher piles scattered throughout the site, one of which is predominantly quartz. Two of the depressions have rectangular wooden structures inside which are constructed of vertical posts. The function of this aspect of the feature is unknown, although it may have served as some sort of bracing support for open-pit mining (Plate 5.0.11).

The Giffin Lead is located approximately 200 metres north of the Skunk Den 10-stamp crusher which was recorded by Niven during a previous archaeological assessment for the Maritimes and Northeast Pipeline. This site is also located within the study area.

²² Geological Survey of Canada 1904. This is likely a typographical error given the predominance of *Giffin* families in the area.

²³ Geological Survey of Canada 1904.



Plate 5.0.9: Giffin's Mill showing mortared stone wall to right and depression in foreground. Vertical wooden structure is in background.



Plate 5.0.10: Stone crusher pile at Hattie's Belt.

South Mulgrave Lead

The South Mulgrave lead is located on the north side of Sable Road adjacent to an old roadway that runs northwest from Sable Road out to Highway #316. This site stretches for approximately 100 metres along the old roadway and consists of several stone crusher piles, those on the east end of the site having been recently levelled. On the west side of the site are a stone crusher pile and open mine shaft with wooden structural remains. Adjacent to these two features is a modern dump in which there are derelict automobiles and automobile parts, water boilers, refrigerators, and other household appliances as well as beer bottles, plastic pop bottles, tin cans, etc (Plate 5.0.12). On the west side of the site, mid-nineteenth century bottle glass was discovered. This site is likely the “old crusher” indicated on Church’s 1876 map.

In addition to those archaeological sites that were recorded, several areas of cultural activity were noted. At the head of Betty’s Cove, mining activity likely associated with surface prospecting was encountered. Several depressions were noted but no open mine shafts or structural remains were found.

On the north side of Sable Road approximately 350 metres east of the South Mulgrave lead site, seven air shafts were discovered which are likely associated with the Mulgrave lead. Additional air shafts were discovered at the west end of the industrial park approximately 100 metres east of the highway and 50 metres north of Sable Road.

On the north side of Sable Road, west of the old roadway leading to the South Mulgrave lead, a linear stone alignment was discovered oriented north-northeast by south – southwest adjacent to a Department of Natural Resources Survey marker (#4447). No other heritage features were found in the surrounding area.

Two areas of recent dumping were encountered near the east end of the study area on the north side of Sable Road along a recently abandoned roadway opposite the Sable Offshore helipad. Midden materials included a wood stove, tires, a chemical storage drum, vinyl mini-blinds, tar paper, mechanical parts, plastic containers, and plastic buckets. Newspapers dated March 1995 were also found among the refuse.

Finally, an early- to mid- twentieth century midden was found approximately 30 metres south of Sable Road behind a standing abandoned house on Highway #316. The house is built on a fieldstone foundation which has been mortared in spots to repair it, and later boarded over. The house is likely of late nineteenth-century vintage. Across the highway opposite the house is a poor-grade concrete foundation with cast iron pipe running through it. Behind the foundation is a 1930s truck and scattered remains of other early automobiles, suggesting this may have been a commercial garage or a garage associated with the house across the street. Fifteen metres northeast of this feature is a mine air shaft.



Plate 5.0.11: Open mine feature at Giffin Lead. Note the vertical wooden structure inside the water-filled depression.



Plate 5.0.12: South Mulgrave lead showing refuse adjacent to open mine shaft.

An area on the east side of Highway #316 opposite Betty's Cove was intensively surveyed for remains of a documented early twentieth-century farm, Buckley's Farm (Figure 2.0.4). However, a portion of this area had been recently levelled (by 1998) and is now heavily overgrown with alders. An area to the north of the clearing had been cultivated and is likely associated with the farm. Several intersecting twentieth-century logging roads were investigated surrounding the clearing but no heritage resources were encountered.

6.0 RESOURCE EVALUATION

Each archaeological resource within the study area has been evaluated according to its relative significance based on the cultural and physical integrity of each resource, existing documentation, and the expected impact on those resources (Table 6.0.1).

Due to previous excavation and removal of burials at Red Head in 2000 and 2001, complemented by subsurface testing in October 2004, DAC is confident that no burials remain in the cemetery and, therefore, the site is no longer believed to be of high archaeological sensitivity. However, due to its association as the final resting place of the first Black Loyalists in Goldboro and Isaac's Harbour, it remains to be of cultural significance to the nearby Black community at Lincolnville. This site lies within the impact zone and is expected to be heavily disturbed.

The Sculpin Cove 1 to 5 sites produced no surface artifacts and shoreline erosion has not exposed any material culture. Although they are obviously of human construction, there is no evidence to indicate that they were occupied for extensive periods of time and their cultural, functional, and historical period affiliation are unknown. However, the possibility that they are related to late eighteenth century Black Loyalist settlement is present. Research into Black Loyalist settlement is just beginning in Nova Scotia and it is a current focal point of several projects in the province (Cottreau-Robins, MacLeod-Leslie, Niven, Whitehead). For these reasons, these features are believed to be of high archaeological and cultural sensitivity. Although none of these five features are expected to be directly impacted by construction, the effect of tidal amplitude on these features as a result of product storage construction and ship berthing is of concern.

Hurricane Island Mine is a pristine example of late nineteenth-century mining in Nova Scotia. To the best of our knowledge, no research has been conducted to date on historic mining in the province during any period of the past. This site, then, is deemed of high archaeological sensitivity and community members have expressed concern regarding the fate of historic resources on the island. Hurricane Island is not expected to be impacted by construction but, again, the effect of tidal amplitude on these resources is of concern.

The McMillan mine is of early to mid twentieth-century origin and, therefore, is believed to be of low archaeological sensitivity. This site is located directly in the impact zone and is expected to be heavily disturbed by construction of the product storage area and access road.

Due to the obscurity of features by low tree cover, no structural remains were visible at the Dung Cove 1 site. However, the site does exhibit landscape modification congruent with agricultural activity. Although no surface artifacts were present to indicate the age of the site or its cultural affiliation, the potential that it is related to late eighteenth century Black Loyalist settlement exists. Therefore, this area is believed to be of high archaeological sensitivity. The site is located within close proximity to the impact zone and the possible level of impact needs to be further understood.

The physical integrity of features at Giffin's Mill and the possibility of recoverable material culture make this site one of high archaeological sensitivity. There has been little or no research conducted on early twentieth century mills in the province and this site and its contents would likely be of interest to the Museum of Industry. The mill site is not expected to be impacted by construction.

Although no definitive structural remains were found, Hattie's Belt includes several features associated with early mining in Goldboro including crusher piles, sluices, open pit mines, prospecting pits, and a surface tunnel. As a whole, these features could lend valuable information regarding early gold mining activities in the province which could be of interest to the Museum of Industry. The Skunk Den Mine and the Giffin Lead exhibit similar valuable features. These sites are deemed to be of medium archaeological sensitivity. However, none of these three sites are expected to be impacted by construction.

The Mulgrave lead was the first area mined in Goldboro and the south leads still exhibits structural remains of a mine shaft along with associated stone crusher piles. The east end of the site has been recently disturbed by levelling of the stone crusher piles and surrounding land, making the determination of associated settlement location difficult. Features may still exist beneath the levelled crusher piles or may have been destroyed during the landscaping process. The west end of the site including the mine shaft is located outside the study area. The east end of the site, however, is located directly in the impact zone and will be disturbed further by construction. This site is believed to be of medium archaeological sensitivity.

Several areas of surface prospecting were noted during the survey and have been discussed in earlier sections of this report. Because they contain no structural remains and the chances of recovering associated in situ material culture are negligible and, therefore, these areas are deemed to be of low archaeological and cultural sensitivity. This assignment extends to those areas of cultural activity noted in Section 5.0 (pp. 15-18) which were not recorded.

Table 6.0.1: Relative significance of sites within the study area.

Archaeological Site or Resource	Archaeological Sensitivity	Cultural Sensitivity	Expected Impact (Y/N)
Red Head Cemetery	Medium	High	Y
Sculpin Cove 1	High	High	unknown
Sculpin Cove 2	High	High	unknown
Sculpin Cove 3	High	High	unknown
Sculpin Cove 4	High	High	unknown
Sculpin Cove 5	High	High	unknown
Hurricane Island Mine	High	N/A	unknown
McMillan Mine	Low	N/A	Y
Dung Cove	High	High	unknown
Giffin's Mill	High	N/A	N
Hattie's Belt	Medium	N/A	N
Giffin Lead	Medium	N/A	N
Skunk Den Mine Crusher	Medium	N/A	N
South Mulgrave Lead	Medium	N/A	Y

7.0 CONCLUSIONS AND RECOMMENDATIONS

1. There is a high level of confidence that additional burials at the Red Head cemetery site are unlikely and, therefore, DAC does not believe that further manual excavation is necessary. However, due to the remaining cultural sensitivity of the site, *it is recommended that excavation by a small backhoe be monitored by a qualified archaeologist during ground disturbance. It is also recommended that consultation with the Lincolnville Black community be initiated prior to any ground disturbance in order to address any possible cultural and political issues surrounding the site.*
2. The Sculpin Cove 1 to 5 sites are not expected to be directly impacted by construction and, therefore, *no recommendations for their mitigation are made at this time. However, due to lack of information regarding their age, function, and cultural affiliation, should construction plans be altered so that any of these five sites is impacted, they should be investigated prior to disturbance. The potential effect of changes in tidal amplitude as a result of construction in the vicinity of these sites is not known at this time. Should it be believed that these sites are to be impacted by shoreline erosion as a result of rising tide levels, it is recommended they be investigated by a qualified archaeologist prior to construction.*
3. Hurricane Island is also not expected to be directly impacted by construction but *may be affected by rising tidal amplitude. Again, should this be a factor in construction, it is recommended that the mining site be investigated as it is of high archaeological significance.*

4. The McMillan Mine is expected to be impacted by construction of the product storage area and wharf at Sand Cove as well as by the associated access road. However, it is believed to be of low archaeological sensitivity given its recent age and, therefore, ***no pre-construction investigation of the features is required. However, it is recommended that the site be monitored during ground disturbance to ensure that no earlier and archaeologically/culturally sensitive features exist which may be impacted by construction.***
5. The Dung Cove site is believed to be of high archaeological and cultural sensitivity. The level of confidence concerning an understanding of the full extent of the site is low due to the obscurity of features by low tree cover. At this time, the site is not located within a direct impact zone (ie within the footprint of necessary infrastructure). However, ***should the development corridor impact the site or should the development plans change so that the site is expected to be directly impacted by construction, it is recommended that the site be investigation by a qualified archaeologist prior to any ground disturbance.***
6. Giffin's Mill, Hattie's Belt, Skunk Den Mine, and the Giffin Lead are not expected to be impacted by construction at this time. However, due to elevated levels of archaeological sensitivity, ***it is recommended that these site be further investigated should development plans change so that they are vulnerable to disturbance.***
7. The east portion of the South Mulgrave Lead site is expected to be heavily impacted by construction at the northwest extremity of the study area. However, it is evident that this portion of the site has been recently disturbed by ground levelling for safety reasons. As a result, no intact features are visible on the surface and, therefore, ***no pre-construction investigation of the site is required at this time. It is recommended that ground disturbance be monitored by an archaeologist in order to better assess the archaeological integrity of the site as it is of high archaeological sensitivity.***
8. Although Buckley's Farm was not identified as an intact archaeological site since it was not located during the archaeological survey, ***it is recommended that the area be resurveyed by an archaeologist once the brush is cleared from the impact area as this location is slated for development.***
9. Those areas of surface prospecting and random cultural activity which were noted throughout the study area during the archaeological survey are believed to be of no archaeological significance and, therefore, ***no recommended mitigation is necessary. However, should in situ artifacts be encountered in any of these features, it is recommended that they be recovered and reported to the Nova Scotia Museum.***

Each of these recommendations is made based on the current development plan and the expected impact on heritage features, as noted. Should any portion of the development plans change so that impact zones shift, it is recommended that these areas be re-investigated and re-assessed prior to ground disturbance.

8.0 REFERENCES CITED

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Hart, H. C. 1975. *History of the County of Guysborough, Nova Scotia*. Ontario: Mika Publishing Company.

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**APPENDIX A:
Heritage Research Permit A2004NS76**



Nova Scotia Museum
Special Places Protection Act,
R.S.N.S. 1989

Application for
**Heritage
Research Permit**
(Archaeology)

Permit No. A 2004 NS 76

(Original becomes Permit when approved
by the Executive Director of the Nova
Scotia Museum)

The undersigned April MacIntyre
of 6519 Oak Street, Halifax, Nova Scotia B3L 1H6
representing (institution) Davis Archaeological Consultants Limited

hereby applies for a permit under Section 8 of the Special Places Protection Act to carry out archaeological investigations during the period:

from September 6, 2004 to December 31, 2004

at Goldboro Industrial Park

general location Goldboro, Guysborough County

specific location(s) (cite Borden numbers and UTM designations where appropriate)

and as described separately in accordance with the attached Project Description. Please refer to the appropriate Archaeological Heritage Research Permit Guidelines for the appropriate Project Description format.

I certify that I am familiar with the provisions of the Special Places Protection Act of Nova Scotia, and that I will abide by the terms and conditions listed in the Heritage Research Permit Guidelines for the category (check one).

- Category A - Archaeological Reconnaissance
- Category B - Archaeological Research
- Category C - Archaeological Resource Impact Assessment

Signature of applicant April MacIntyre Date Sept. 3/04

Approved: [Signature] Date Sept. 14/04
Executive Director

**APPENDIX B:
Maritime Archaeological Resource Inventory Forms
& Level Record**

MARITIME ARCHAEOLOGICAL RESOURCE INVENTORY

Date Form Filled Out
(YYYY/MM/DD)
2004-10-07

NB NS PEI

A. SITE NAME, LOCATION AND ACCESS

A1 SUGGESTED SITE NAME Sculpin Cove 1

A2 TEMPORARY SITE NUMBER A2004NS76-01

A3 PERMIT/LICENSE NUMBER A2004NS76

A4 PERMIT/LICENSE TYPE Category C

A5 WHEN DID YOU GATHER THE INFORMATION FOR THIS REPORT ?
2004-09-17 through 2004-10-19

A6 ADDITIONAL INFORMATION AND/OR RESOURCES:

	Submitted	Available
Video Footage	<input type="checkbox"/>	<input type="checkbox"/>
Maps / Plans	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Still Photos	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Drawings	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Archival Information	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Artifacts	<input type="checkbox"/>	<input type="checkbox"/>
Articles	<input type="checkbox"/>	<input type="checkbox"/>
Contacts	<input type="checkbox"/>	<input type="checkbox"/>
Other	<input type="checkbox"/>	<input type="checkbox"/>

A7 ACTIVITY

- a) Surface collecting
- b) Surface recording
- c) Site Revisit
- b) Subsurface testing
- c) Extensive excavation
- d) Monitoring
- e) Surveillance

A8 COUNTY Guysborough



A9 LOCATION DESCRIPTION

Approximately 250 metres north of Sculpin Point adjacent to shoreline at Sculpin Cove, Goldboro.

A10 LOCATION ACCESS

Travel along Highway 316 which leads southeast from Highway 104 in Antigonish. From the junction of Highway 211 in Stormont, travel 8 kilometres along Highway 316. On the southwest side of the road, a private driveway leads southwest to a modern residence. Between the house and barn, an overgrown road leads westward to Sculpin Cove. With the landowner's permission, travel this roadway approximately 175 metres to the shoreline (you can also use the beach to reach the site). The site is located on the west side of the path.

A11 SITE LOCATION MAP NUMBER 11F04 (Attach photocopied section of NTS 1:50000 scale map and indicate the site location. Make sure that the map number is indicated. eg. 21H16).

Borden No. _____

A12 SITE ACCESS MAP NUMBER 11F04 (Attach photocopied section of a larger scale map and show your access route to the site location. Make sure that the map number and scale is indicated) Scale: _____

A13 SITE POSITION

UTM (eg. 20TKE 1447 5362) Zone 20N E 572481.21 N 5014058.9
Latitude 45 ° 16 ' 3465 N Longitude 64 ° 33 ' 2900 W

A14 METHOD(S) OF DETERMINING LOCATION and/or position.

Projection UTM Datum WGS84
GPS estimated error 1 m
Differential GPS
Map (scale =1: 50,000)
Aerial Photo (scale =1: 10,000)
Total Station _____
Estimate from description _____
Other (please specify) _____

A15 SITE ELEVATION

Elevation 0 m. (A.S.L.) to 5 m. (A.S.L.)

A16 METHOD(S) OF DETERMINING ELEVATION

Projection UTM Datum NAD83
GPS _____
Differential GPS _____
Map (scale =1: 50,000)
Aerial Photo (scale =1: 10,000)
Total Station _____
Geodetic Marker (# _____) _____
Estimate from description _____
Other (please specify) _____

A17 OTHER MAP(S)

A18 AERIAL PHOTO NUMBER(S) 98306 79

A19 PROPERTY IDENTIFIER NUMBER(S) _____

A20 PROPERTY TYPE Private _____ Federal Crown _____ Provincial Crown _____ First Nation Land _____ Unknown

A21 NEAREST FIRST NATION COMMUNITY (if applicable) N/A

Contacted? Yes _____ No

B. SITE ENVIRONMENT

B1 NATURAL REGION # (Provincial) 842 NATURAL REGION # (Federal) _____

B2 HABITAT DESCRIPTION (please check those appropriate)

Offshore		Freshwater	
1.1 Open Water	_____	3.1 Open-Water Lotic (Rivers and Streams)	_____
1.2 Benthic	_____	3.2 Open-Water Lentic (Lakes and Ponds)	_____
Coastal		3.3 Bottom Lotic (Rivers and Streams)	_____
2.1 Rocky Shore	_____	3.4 Bottom Lentic (Lakes and Ponds)	_____
2.2 Boulder/Cobble Shore	<input checked="" type="checkbox"/>	3.5 Water's Edge Lotic (Rivers and Streams)	_____
2.3 Sandy Shore	_____	3.6 Water's Edge Lentic (Lakes and Ponds)	_____
2.4 Mud Flat	_____	Freshwater Wetland	
2.5 Tidal Marsh	_____	4.1 Bog	_____
2.6 Dune System	_____	4.2 Fen	_____
Terrestrial Unforested		4.3 Swamp	_____
5.1 Barren	_____	4.4 Freshwater Marsh (Inland)	_____
5.2 Oldfield	_____	Forests	
5.3 Cliff and Bank	_____	6.1 Hardwood Forest	_____
5.4 Talus Slope	_____	6.2 Softwood Forest	_____
5.5 Cave	_____	6.3 Mixedwood Forest	_____

Additional Habitat Description On shoreline at Sculpin Cove in stand of spruce trees. Low scrubby brush.

C. SITE DESCRIPTION

C1 Period

Palaeo-Indian (> 9000 BP)	<input type="checkbox"/>	Contact (1500 - 1604)	<input type="checkbox"/>
Early/Middle Archaic (9000 - 6000 BP)	<input type="checkbox"/>	Colonial (1604 - 1867)	<input checked="" type="checkbox"/>
Late Archaic (6000 - 3000 BP)	<input type="checkbox"/>	Early Post-Confederation (1867 to 1950)	<input type="checkbox"/>
Maritime Woodland (3000 - 500 BP)	<input type="checkbox"/>		

Basis of identification

Tree growth in and around feature is approximately 80-100 years old. Considerable brush growth and soil accumulation in and around feature. No surface artifacts visible.

C2 TRADITION

Palaeo-Indian	<input type="checkbox"/>	Middle/Late Woodland	<input type="checkbox"/>	Jamaican Maroon	<input type="checkbox"/>
Early/Middle Maritime Archaic	<input type="checkbox"/>	Maliseet	<input type="checkbox"/>	Planter	<input type="checkbox"/>
Laurentian Archaic	<input type="checkbox"/>	Mi'kmaq	<input type="checkbox"/>	Loyalist	<input type="checkbox"/>
Shield Archaic	<input type="checkbox"/>	Passamaquoddy	<input type="checkbox"/>	Black Loyalist	<input type="checkbox"/>
Late Maritime Archaic	<input type="checkbox"/>	British	<input type="checkbox"/>	German	<input type="checkbox"/>
Susquehanna	<input type="checkbox"/>	French	<input type="checkbox"/>	Irish	<input type="checkbox"/>
Early Maritime Woodland	<input type="checkbox"/>	Acadian	<input type="checkbox"/>	Unspecified	<input checked="" type="checkbox"/>
Other	<input type="checkbox"/>	Scottish	<input type="checkbox"/>		

C6 SITE FUNCTION

Aeroplane	<input type="checkbox"/>	General Activity	<input type="checkbox"/>	Religious/Sacred	<input type="checkbox"/>
Agricultural	<input type="checkbox"/>	Hunting & Gathering	<input type="checkbox"/>	Residence	<input type="checkbox"/>
Commercial	<input type="checkbox"/>	Manufacturing	<input type="checkbox"/>	Settlement	<input type="checkbox"/>
Construction	<input type="checkbox"/>	Military	<input type="checkbox"/>	Transportation	<input type="checkbox"/>
Extractive	<input type="checkbox"/>	Mining	<input type="checkbox"/>	Undetermined	<input checked="" type="checkbox"/>
Fishing	<input type="checkbox"/>	Miscellaneous	<input type="checkbox"/>	Vessel	<input type="checkbox"/>
Forestry	<input type="checkbox"/>	Other	<input type="checkbox"/>		

C7 GENERAL SITE DESCRIPTION

Oval or rectangular stone-lined depression, approximately 3 metres from shoreline. Depression is approximately 1 - 1 1/2 metres deep. Heavily overgrown.

C8 OBSERVED SITE DIMENSIONS Length 7 m Width 3 m

C9 ESTIMATED SITE DIMENSIONS Length 7 m Width 3 m

C10 DISTANCE TO WATER 3 m

C11 ORIENTATION TO WATER Perpendicular Parallel Not applicable

C12 DESTRUCTIVE AGENTS

	High		Medium		Low	
	Existing	Future	Existing	Future	Existing	Future
a <i>Natural</i>						
Marine Erosion	—	—	—	—	—	—
Lacustrine Erosion	—	—	—	—	—	—
Vegetation Growth	—	—	■	—	—	—
Bioturbation	—	—	—	—	—	—
b <i>Cultural</i>						
Agriculture	—	—	—	—	—	—
Construction	—	■	—	—	—	—
Transportation	—	—	—	—	—	—
Forestry	—	—	—	—	—	—
Mining/Quarrying	—	—	—	—	—	—
Dam/reservoir	—	—	—	—	—	—
Vandalism	—	—	—	—	—	—
Site Visitation	—	—	—	—	—	—
Military	—	—	—	—	—	—
Other	—	—	—	—	—	—

BASIS OF ASSESSMENT

Trees growing in and around feature. Site of future petrochemical plant.

D REPORTER INFORMATION

D1 REPORTER'S NAME April MacIntyre

D2 MAILING ADDRESS 6519 Oak Street, Halifax, NS D3 POSTAL CODE B3L 1H6

D4 PHONE (H) (902) 422-0801 D5 PHONE (W) (902) 444-2854

D6 FAX (902) 444-2854 D7 E-MAIL darch@hfx.eastlink.ca

D8 AFFILIATION Davis Archaeological Consultants Limited

D9 HOW DID YOU FIND THE SITE?

Chance Find Map Or Chart Field Survey Local Contacts
 Historical Research Existing Site Records

Comments

D10 CONTACT'S NAME _____

D11 MAILING ADDRESS _____

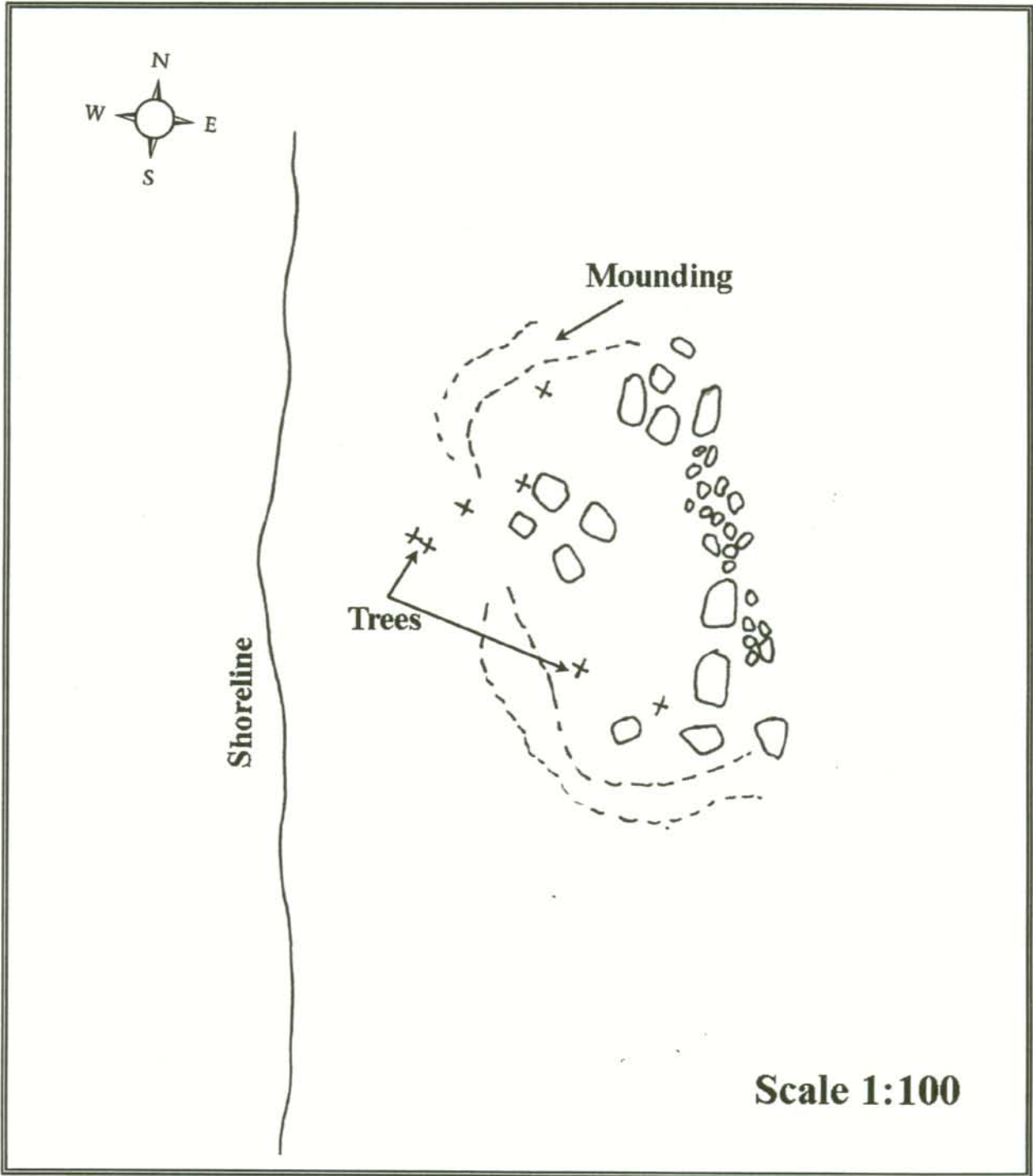
D12 POSTAL CODE _____

D13 PHONE (H) _____ D14 PHONE (W) _____

E

SITE PLAN

Please provide a drawing or sketch of the site, indicating prominent features, the orientation of the site and overall dimension, including artifact scatter fields. Relate the location of features in the Site Plan with features identified in the Site Access Map. Note the direction of true North and the scale of the plan.



- Extent of Site/Étendue du Site
- Building/Édifice
- Foundation/Fondation
- Road/Chemin
- Trail/Sentir
- Railway/Voie Ferrée
- Fence/Cloture
- River-Creek/Rivière-Ruisseau
- Steep Rise/Pente Abrupte

1:50,000 Map No./Carte No. _____

True/Vrai []

Magnetic/Magnétique []

Date _____

Scale/Echelle 1cm=___m.

F. REMARKS

Feature measurements:

- 6.40 metres (east wall)
- 2.70 metres (north wall)
- 5.10 metres (west wall)
- 2.25 metres (south wall)

Possible entrance on west wall near north end of feature, leading to shore. Large fieldstones lining east wall, along with small cobbles. Mounding on north, south, and west walls. Feature is approximately 1 to 1 1/2 metres deep. Car tire rim inside feature.

MARITIME ARCHAEOLOGICAL RESOURCE INVENTORY

Date Form Filled Out
(YYYY/MM/DD)

2004-10-14

NB NS PEI

A. SITE NAME, LOCATION AND ACCESS

A1 SUGGESTED SITE NAME Skunk Den Mine Giffin Lead

A2 TEMPORARY SITE NUMBER A2004NS76-11

A3 PERMIT/LICENSE NUMBER A2004NS76

A4 PERMIT/LICENSE TYPE Category C

A5 WHEN DID YOU GATHER THE INFORMATION FOR THIS REPORT ?
2004-09-17 through 2004-10-19

A6 ADDITIONAL INFORMATION AND/OR RESOURCES:

	Submitted	Available
Video Footage	—	—
Maps / Plans	<input checked="" type="checkbox"/>	—
Still Photos	<input checked="" type="checkbox"/>	—
Drawings	<input checked="" type="checkbox"/>	—
Archival Information	—	<input checked="" type="checkbox"/>
Artifacts	—	—
Articles	—	—
Contacts	—	—
Other	—	—

A7 ACTIVITY

- a) Surface collecting
- b) Surface recording
- c) Site Revisit
- b) Subsurface testing
- c) Extensive excavation
- d) Monitoring
- e) Surveillance

A8 COUNTY Guysborough



A9 LOCATION DESCRIPTION

Located approximately 500 metres along Sable Road, approximately 20 metres south of the road off an old overgrown roadway that runs south from Sable Road.

A10 LOCATION ACCESS

Travel along Hwy 316 which leads southeast from Hwy 104 in Antigonish. From the junction of Hwy 211 in Stormont, travel approximately 9 kms along Hwy 316 to Sable Road. Travel north east along Sable Road for approximately 500 metres. On the south side of the road, an old overgrown roadway leads southeast into a wooded area. Travel this roadway for approximately 15 metres. The site is located in the treed area approximately 10 metres east of the old roadway.

A11 SITE LOCATION MAP NUMBER 11F04 (Attach photocopied section of NTS 1:50000 scale map and indicate the site location. Make sure that the map number is indicated. eg. 21H16).

Borden No. _____

A12 SITE ACCESS MAP NUMBER 11F04 (Attach photocopied section of a larger scale map and show your access route to the site location. Make sure that the map number and scale is indicated) Scale: _____

A13 SITE POSITION

UTM (eg. 20TKE 1447 5362) Zone 20N E 647872.01 N 5003218.4
Latitude 45 10 01 N Longitude 61 37 46 W

A14 METHOD(S) OF DETERMINING LOCATION and/or position.

Projection UTM Datum NAD83
GPS _____ Total Station _____
Differential GPS _____ Estimate from description _____
Map (scale =1: 50,000) _____
Aerial Photo (scale =1: 10,000) _____ Other (please specify) _____

A15 SITE ELEVATION

Elevation 30 m. (A.S.L.) to 40 m. (A.S.L.)

A16 METHOD(S) OF DETERMINING ELEVATION

Projection UTM Datum NAD83
GPS _____ Total Station _____
Differential GPS _____ Geodetic Marker (# _____) _____
Map (scale =1: 50,000) _____ Estimate from description _____
Aerial Photo (scale =1: 10,000) _____
Other (please specify) _____

A17 OTHER MAP(S)

A18 AERIAL PHOTO NUMBER(S) 98306 79

A19 PROPERTY IDENTIFIER NUMBER(S) _____

A20 PROPERTY TYPE Private _____ Federal Crown _____ Provincial Crown _____ First Nation Land _____ Unknown _____

A21 NEAREST FIRST NATION COMMUNITY (if applicable) N/A

Contacted? Yes _____ No _____

B. SITE ENVIRONMENT

B1 NATURAL REGION # (Provincial) 842 NATURAL REGION # (Federal) _____

B2 HABITAT DESCRIPTION (please check those appropriate)

Offshore		Freshwater	
1.1 Open Water	_____	3.1 Open-Water Lotic (Rivers and Streams)	_____
1.2 Benthic	_____	3.2 Open-Water Lentic (Lakes and Ponds)	_____
Coastal		3.3 Bottom Lotic (Rivers and Streams)	_____
2.1 Rocky Shore	_____	3.4 Bottom Lentic (Lakes and Ponds)	_____
2.2 Boulder/Cobble Shore	_____	3.5 Water's Edge Lotic (Rivers and Streams)	_____
2.3 Sandy Shore	_____	3.6 Water's Edge Lentic (Lakes and Ponds)	_____
2.4 Mud Flat	_____	Freshwater Wetland	_____
2.5 Tidal Marsh	_____	4.1 Bog	_____
2.6 Dune System	_____	4.2 Fen	_____
Terrestrial Unforested		4.3 Swamp	_____
5.1 Barren	_____	4.4 Freshwater Marsh (Inland)	_____
5.2 Oldfield	_____	Forests	_____
5.3 Cliff and Bank	_____	6.1 Hardwood Forest	_____
5.4 Talus Slope	_____	6.2 Softwood Forest	_____
5.5 Cave	_____	6.3 Mixedwood Forest	_____

Additional Habitat Description Moss-covered forest floor. Spruce and pine trees, alders.

C. SITE DESCRIPTION

C1 Period

Palaeo-Indian (> 9000 BP)	___	Contact (1500 - 1604)	___
Early/Middle Archaic (9000 - 6000 BP)	___	Colonial (1604 - 1867)	■
Late Archaic (6000 - 3000 BP)	___	Early Post-Confederation (1867 to 1950)	■
Maritime Woodland (3000 - 500 BP)	___		

Basis of identification

Historical documents.

C2 TRADITION

Palaeo-Indian	___	Middle/Late Woodland	___	Jamaican Maroon	___
Early/Middle Maritime Archaic	___	Maliseet	___	Planter	___
Laurentian Archaic	___	Mi'kmaq	___	Loyalist	___
Shield Archaic	___	Passamaquoddy	___	Black Loyalist	___
Late Maritime Archaic	___	British	___	German	___
Susquehanna	___	French	___	Irish	___
Early Maritime Woodland	___	Acadian	___	Unspecified	■
Other	___	Scottish	___		

C6 SITE FUNCTION

Aeroplane	___	General Activity	___	Religious/Sacred	___
Agricultural	___	Hunting & Gathering	___	Residence	___
Commercial	___	Manufacturing	___	Settlement	___
Construction	___	Military	___	Transportation	___
Extractive	___	Mining	■	Undetermined	___
Fishing	___	Miscellaneous	___	Vessel	___
Forestry	___	Other	___		

C7 GENERAL SITE DESCRIPTION

More than a dozen water-filled depressions, irregularly shaped. Several (6 or more) crusher piles. Iron winch hook next to one of the depressions.

C8 OBSERVED SITE DIMENSIONS Length 50 m Width 50 m

C9 ESTIMATED SITE DIMENSIONS Length 50 m Width 50 m

C10 DISTANCE TO WATER 1000 m

C11 ORIENTATION TO WATER Perpendicular ___ Parallel ___ Not applicable ■

C12 DESTRUCTIVE AGENTS

	High		Medium		Low	
	Existing	Future	Existing	Future	Existing	Future
a <i>Natural</i>						
Marine Erosion	---	---	---	---	---	---
Lacustrine Erosion	---	---	---	---	---	---
Vegetation Growth	---	---	■	---	---	---
Bioturbation	---	---	---	---	---	---
b <i>Cultural</i>						
Agriculture	---	---	---	---	---	---
Construction	---	■	---	---	---	---
Transportation	---	---	---	---	---	---
Forestry	---	---	---	---	---	---
Mining/Quarrying	---	---	---	---	---	---
Dam/reservoir	---	---	---	---	---	---
Vandalism	---	---	---	---	---	---
Site Visitation	---	---	---	---	---	---
Military	---	---	---	---	---	---
Other	---	---	---	---	---	---

BASIS OF ASSESSMENT

Trees growing in and around feature. Site of future petrochemical plant.

D REPORTER INFORMATION

D1 REPORTER'S NAME April MacIntyre

D2 MAILING ADDRESS 6519 Oak Street, Halifax, NS D3 POSTAL CODE B3L 1H6

D4 PHONE (H) (902) 422-0801 D5 PHONE (W) (902) 444-2854

D6 FAX (902) 444-2854 D7 E-MAIL darch@hfx.eastlink.ca

D8 AFFILIATION Davis Archaeological Consultants Limited

D9 HOW DID YOU FIND THE SITE?

Chance Find Map Or Chart Field Survey Local Contacts
 Historical Research Existing Site Records

Comments

D10 CONTACT'S NAME _____

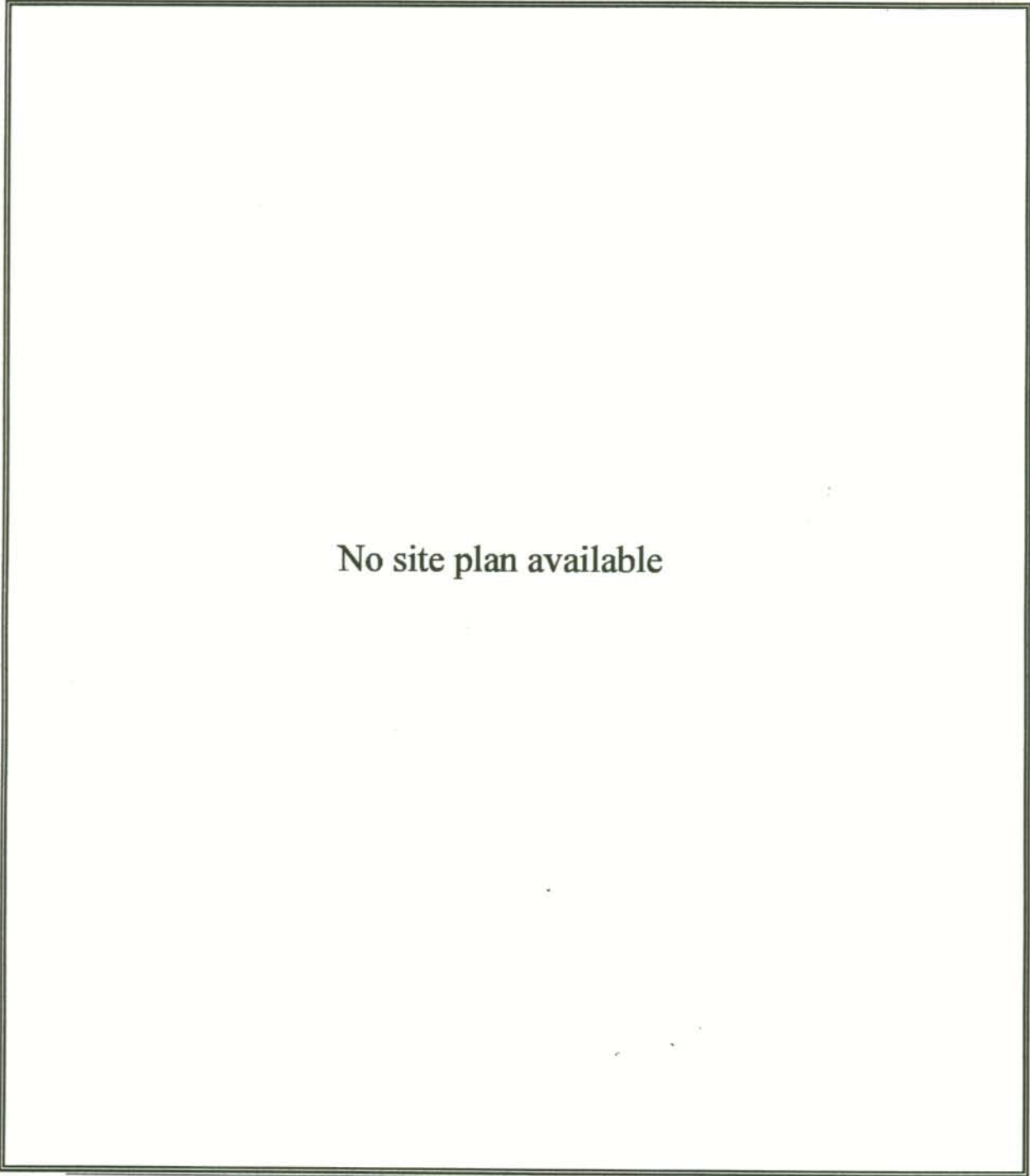
D11 MAILING ADDRESS _____








D12 POSTAL CODE _____

D13 PHONE (H) _____ D14 PHONE (W) _____

E SITE PLAN

Please provide a drawing or sketch of the site, indicating prominent features, the orientation of the site and overall dimension, including artifact scatter fields. Relate the location of features in the Site Plan with features identified in the Site Access Map. Note the direction of true North and the scale of the plan.



- Extent of Site/Étendue du Site 
- Building/Édifice 
- Foundation/Fondation 
- Road/Chemin  
- Trail/Sentir 
- Railway/Voie Ferrée 
- Fence/Cloture 
- River-Creek/Rivière-Ruisseau 
- Steep Rise/Pente Abrupte 

1:50,000 Map No./Carte No. _____

True/Vrai []

Magnetic/Magnétique []

Date _____

Scale/Echelle 1cm=____m.

F. REMARKS

Several of the features have been flagged and surrounded by yellow tape. Features located approximately 10 metres east of old roadway running perpendicular from Sable Road approximately 500 metres up the road. More than a dozen irregularly-shaped depressions representative of air shafts or surface prospecting. At least 6 stone crusher piles, heavily moss covered. One pile is predominantly quartz waste. One sluice observed. Two rectangular-shaped depressions have vertically-placed wooden posts inside which form a rectangular feature within the depression.

MARITIME ARCHAEOLOGICAL RESOURCE INVENTORY

Date Form Filled Out
(YYYY/MM/DD)
2004-10-13

NB NS PEI

A. SITE NAME, LOCATION AND ACCESS

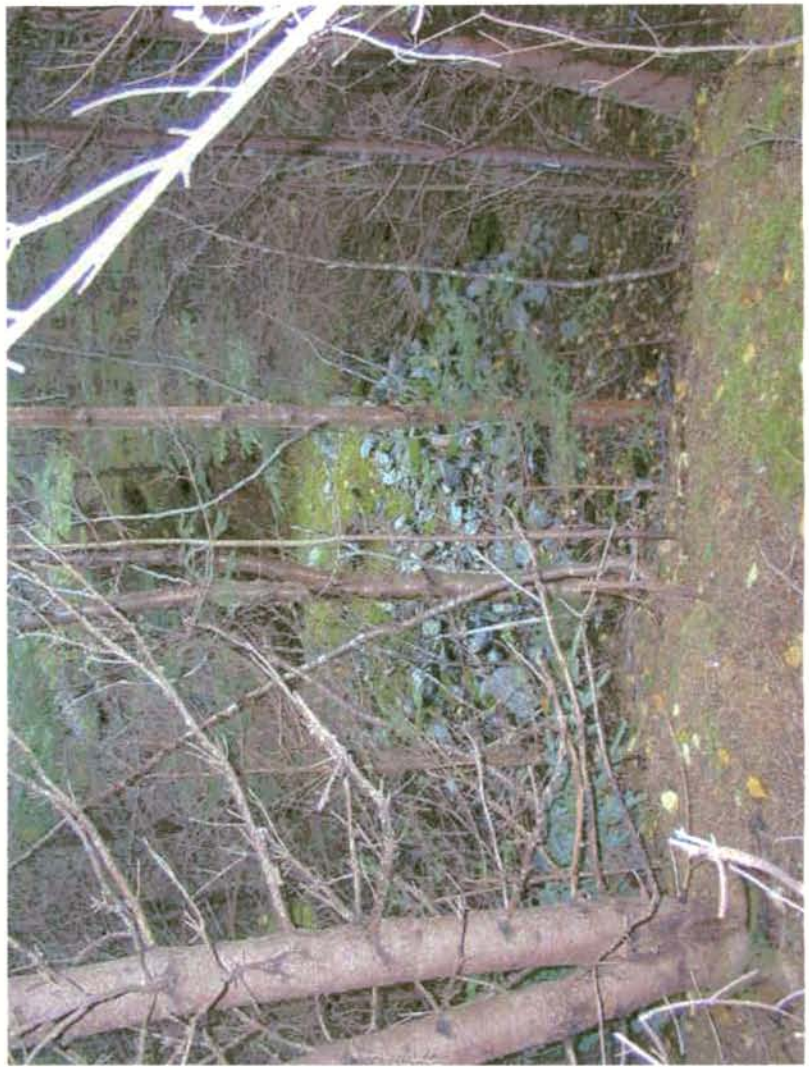
A1 SUGGESTED SITE NAME Hattie's Belt

A2 TEMPORARY SITE NUMBER A2004NS76-10

A3 PERMIT/LICENSE NUMBER A2004NS76

A4 PERMIT/LICENSE TYPE Category C

A5 WHEN DID YOU GATHER THE INFORMATION FOR THIS REPORT ?
2004-09-17 through 2004-10-19



A6 ADDITIONAL INFORMATION AND/OR RESOURCES:

	Submitted	Available
Video Footage	—	—
Maps / Plans	■	—
Still Photos	■	—
Drawings	■	—
Archival Information	—	■
Artifacts	—	—
Articles	—	—
Contacts	—	—
Other	—	—

A7 ACTIVITY

- a) Surface collecting —
- b) Surface recording ■
- c) Site Revisit —
- b) Subsurface testing —
- c) Extensive excavation —
- d) Monitoring —
- e) Surveillance —

A8 COUNTY Guysborough

A9 LOCATION DESCRIPTION

Located approximately 250 metres south of Sable Road adjacent to Highway 316 in Goldboro.

A10 LOCATION ACCESS

Travel along Hwy 316 which leads southeast from Hwy 104 in Antigonish. From the junction of Hwy 211 in Stormont, travel approximately 12 kms along Hwy 316, 250 metres south of Sable Road. On the east side of the highway, an old surface tunnel is visible in the woods immediately adjacent to the highway. The site is located here and stretches approximately 50 metres eastward.

A11 SITE LOCATION MAP NUMBER 11F04 (Attach photocopied section of NTS 1:50000 scale map and indicate the site location. Make sure that the map number is indicated. eg. 21H16).

Borden No. _____

A12 SITE ACCESS MAP NUMBER 11F04 (Attach photocopied section of a larger scale map and show your access route to the site location. Make sure that the map number and scale is indicated) Scale: _____

A13 SITE POSITION

UTM (eg. 20TKE 1447 5362) Zone 20N E 607149.08 N 5002060.7
Latitude 45 ° 09 ' 50 " N Longitude 61 ° 38 ' 118 " W

A14 METHOD(S) OF DETERMINING LOCATION and/or position.

Projection UTM Datum NAD83
GPS _____ Total Station _____
Differential GPS _____ Estimate from description _____
Map (scale =1: 50,000) _____
Aerial Photo (scale =1: 10,000) _____ Other (please specify) _____

A15 SITE ELEVATION

Elevation 20 m. (A.S.L.) to 30 m. (A.S.L.)

A16 METHOD(S) OF DETERMINING ELEVATION

Projection UTM Datum NAD83
GPS _____ Total Station _____
Differential GPS _____ Geodetic Marker (# _____) _____
Map (scale =1: 50,000) _____ Estimate from description _____
Aerial Photo (scale =1: 10,000) _____
Other (please specify) _____

A17 OTHER MAP(S)

A18 AERIAL PHOTO NUMBER(S) 98306 79

A19 PROPERTY IDENTIFIER NUMBER(S) _____

A20 PROPERTY TYPE Private _____ Federal Crown _____ Provincial Crown _____ First Nation Land _____ Unknown

A21 NEAREST FIRST NATION COMMUNITY (if applicable) N/A

Contacted? Yes _____ No

B. SITE ENVIRONMENT

B1 NATURAL REGION # (Provincial) 842 NATURAL REGION # (Federal) _____

B2 HABITAT DESCRIPTION (please check those appropriate)

Offshore		Freshwater	
1.1 Open Water	_____	3.1 Open-Water Lotic (Rivers and Streams)	_____
1.2 Benthic	_____	3.2 Open-Water Lentic (Lakes and Ponds)	_____
Coastal		3.3 Bottom Lotic (Rivers and Streams)	_____
2.1 Rocky Shore	_____	3.4 Bottom Lentic (Lakes and Ponds)	_____
2.2 Boulder/Cobble Shore	_____	3.5 Water's Edge Lotic (Rivers and Streams)	_____
2.3 Sandy Shore	_____	3.6 Water's Edge Lentic (Lakes and Ponds)	_____
2.4 Mud Flat	_____	Freshwater Wetland	
2.5 Tidal Marsh	_____	4.1 Bog	_____
2.6 Dune System	_____	4.2 Fen	_____
Terrestrial Unforested		4.3 Swamp	_____
5.1 Barren	_____	4.4 Freshwater Marsh (Inland)	_____
5.2 Oldfield	_____	Forests	
5.3 Cliff and Bank	_____	6.1 Hardwood Forest	_____
5.4 Talus Slope	_____	6.2 Softwood Forest	_____
5.5 Cave	_____	6.3 Mixedwood Forest	_____

Additional Habitat Description Moss-covered forest floor. Tree growth is approximately 60-70 years old.

C. SITE DESCRIPTION

C1 Period

Palaeo-Indian (> 9000 BP)	<input type="checkbox"/>	Contact (1500 - 1604)	<input type="checkbox"/>
Early/Middle Archaic (9000 - 6000 BP)	<input type="checkbox"/>	Colonial (1604 - 1867)	<input checked="" type="checkbox"/>
Late Archaic (6000 - 3000 BP)	<input type="checkbox"/>	Early Post-Confederation (1867 to 1950)	<input checked="" type="checkbox"/>
Maritime Woodland (3000 - 500 BP)	<input type="checkbox"/>		

Basis of identification

Historical documents.

C2 TRADITION

Palaeo-Indian	<input type="checkbox"/>	Middle/Late Woodland	<input type="checkbox"/>	Jamaican Maroon	<input type="checkbox"/>
Early/Middle Maritime Archaic	<input type="checkbox"/>	Maliseet	<input type="checkbox"/>	Planter	<input type="checkbox"/>
Laurentian Archaic	<input type="checkbox"/>	Mi'kmaq	<input type="checkbox"/>	Loyalist	<input type="checkbox"/>
Shield Archaic	<input type="checkbox"/>	Passamaquoddy	<input type="checkbox"/>	Black Loyalist	<input type="checkbox"/>
Late Maritime Archaic	<input type="checkbox"/>	British	<input type="checkbox"/>	German	<input type="checkbox"/>
Susquehanna	<input type="checkbox"/>	French	<input type="checkbox"/>	Irish	<input type="checkbox"/>
Early Maritime Woodland	<input type="checkbox"/>	Acadian	<input type="checkbox"/>	Unspecified	<input checked="" type="checkbox"/>
Other	<input type="checkbox"/>	Scottish	<input type="checkbox"/>		

C6 SITE FUNCTION

Aeroplane	<input type="checkbox"/>	General Activity	<input type="checkbox"/>	Religious/Sacred	<input type="checkbox"/>
Agricultural	<input type="checkbox"/>	Hunting & Gathering	<input type="checkbox"/>	Residence	<input type="checkbox"/>
Commercial	<input type="checkbox"/>	Manufacturing	<input type="checkbox"/>	Settlement	<input type="checkbox"/>
Construction	<input type="checkbox"/>	Military	<input type="checkbox"/>	Transportation	<input type="checkbox"/>
Extractive	<input type="checkbox"/>	Mining	<input checked="" type="checkbox"/>	Undetermined	<input type="checkbox"/>
Fishing	<input type="checkbox"/>	Miscellaneous	<input type="checkbox"/>	Vessel	<input type="checkbox"/>
Forestry	<input type="checkbox"/>	Other	<input type="checkbox"/>		

C7 GENERAL SITE DESCRIPTION

Several large stone crusher piles, some as large as 10 m by 10 m. Numerous depressions representative of air shafts or surface prospecting. Also several sluices.

C8 OBSERVED SITE DIMENSIONS Length 50 m Width 50 m

C9 ESTIMATED SITE DIMENSIONS Length 50 m Width 50 m

C10 DISTANCE TO WATER 500 m

C11 ORIENTATION TO WATER Perpendicular Parallel Not applicable

C12 DESTRUCTIVE AGENTS

	High		Medium		Low	
	Existing	Future	Existing	Future	Existing	Future
a <i>Natural</i>						
Marine Erosion	—	—	—	—	—	—
Lacustrine Erosion	—	—	—	—	—	—
Vegetation Growth	—	—	■	—	—	—
Bioturbation	—	—	—	—	—	—
b <i>Cultural</i>						
Agriculture	—	—	—	—	—	—
Construction	—	■	—	—	—	—
Transportation	—	—	—	—	—	—
Forestry	—	—	—	—	—	—
Mining/Quarrying	—	—	—	—	—	—
Dam/reservoir	—	—	—	—	—	—
Vandalism	—	—	—	—	—	—
Site Visitation	—	—	—	—	—	—
Military	—	—	—	—	—	—
Other	—	—	—	—	—	—

BASIS OF ASSESSMENT

Trees growing in and around feature. Site of future petrochemical plant.

D REPORTER INFORMATION

D1 REPORTER'S NAME April MacIntyre

D2 MAILING ADDRESS 6519 Oak Street, Halifax, NS D3 POSTAL CODE B3L 1H6

D4 PHONE (H) (902) 422-0801 D5 PHONE (W) (902) 444-2854

D6 FAX (902) 444-2854 D7 E-MAIL darch@hfx.eastlink.ca

D8 AFFILIATION Davis Archaeological Consultants Limited

D9 HOW DID YOU FIND THE SITE?

Chance Find Map Or Chart Field Survey Local Contacts
 Historical Research Existing Site Records

Comments

D10 CONTACT'S NAME _____

D11 MAILING ADDRESS _____

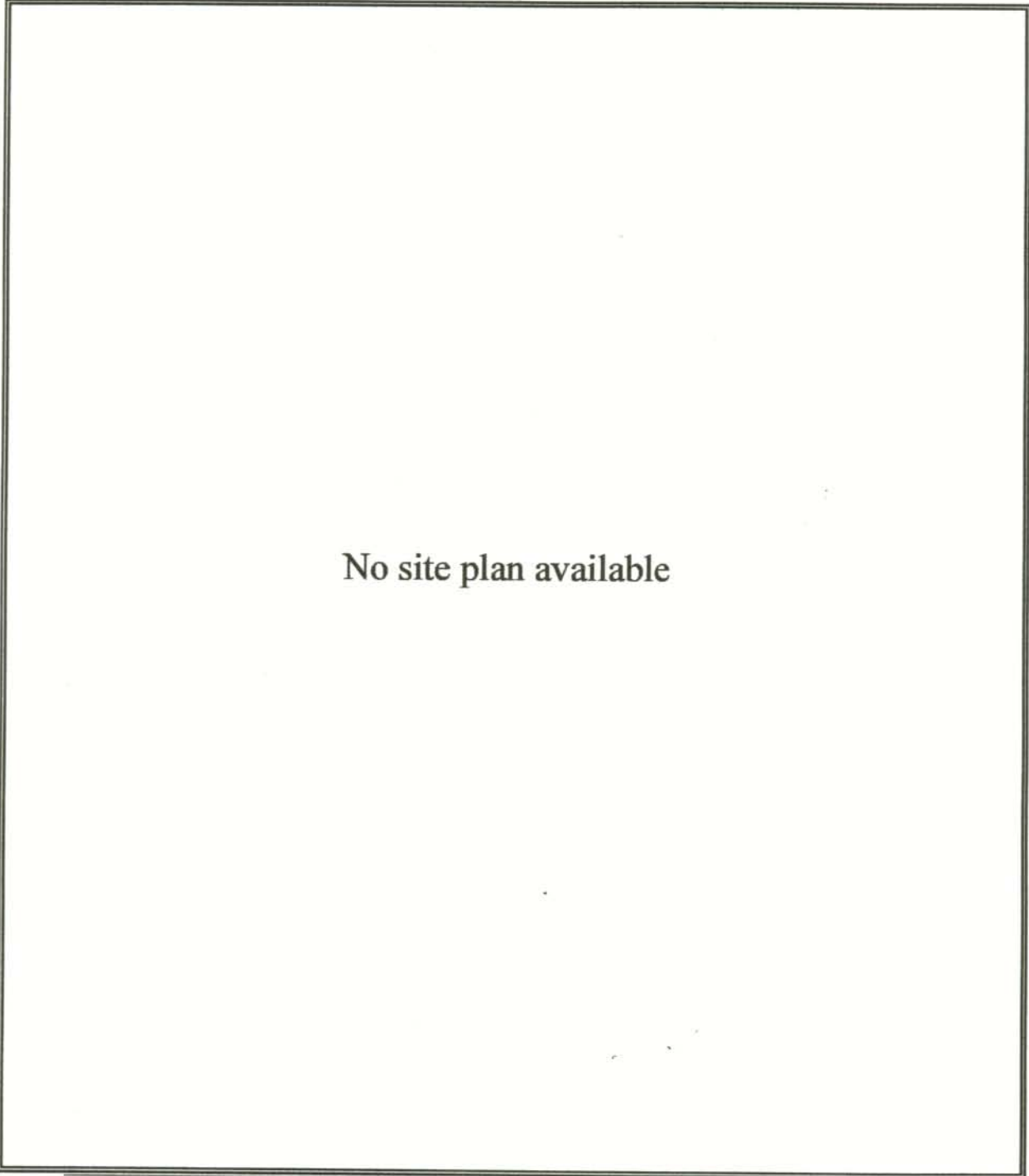
D12 POSTAL CODE _____






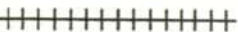



D13 PHONE (H) _____ D14 PHONE (W) _____

E

SITE PLAN

Please provide a drawing or sketch of the site, indicating prominent features, the orientation of the site and overall dimension, including artifact scatter fields. Relate the location of features in the Site Plan with features identified in the Site Access Map. Note the direction of true North and the scale of the plan.



- Extent of Site/Étendue du Site 
- Building/Édifice 
- Foundation/Fondation 
- Road/Chemin 
- Trail/Sentir 
- Railway/Voie Ferrée 
- Fence/Cloture 
- River-Creek/Rivière-Ruisseau 
- Steep Rise/Pente Abrupte 

1:50,000 Map No./Carte No. _____

True/Vrai []

Magnetic/Magnétique []

Date _____

Scale/Echelle 1cm=____m.

F. REMARKS

A large, empty rectangular box with a thin black border, occupying most of the page below the 'REMARKS' header. It is intended for handwritten or typed notes.

MARITIME ARCHAEOLOGICAL RESOURCE INVENTORY

Date Form Filled Out
(YYYY/MM/DD)
2004-10-12

NB NS PEI

A. SITE NAME, LOCATION AND ACCESS

A1 SUGGESTED SITE NAME Giffin's Mill
 A2 TEMPORARY SITE NUMBER A2004NS76-09
 A3 PERMIT/LICENSE NUMBER A2004NS76
 A4 PERMIT/LICENSE TYPE Category C
 A5 WHEN DID YOU GATHER THE INFORMATION FOR THIS REPORT ?
2004-09-17 through 2004-10-19



A6 ADDITIONAL INFORMATION AND/OR RESOURCES:

	Submitted	Available
Video Footage	—	—
Maps / Plans	■	—
Still Photos	■	—
Drawings	■	—
Archival Information	—	■
Artifacts	—	—
Articles	—	—
Contacts	—	—
Other	—	—

A7 ACTIVITY

- a) Surface collecting —
- b) Surface recording ■
- c) Site Revisit —
- b) Subsurface testing —
- c) Extensive excavation —
- d) Monitoring —
- e) Surveillance —

A8 COUNTY Guysborough

A9 LOCATION DESCRIPTION

Located approximately 80 metres west of Hwy 316 in Goldboro adjacent to an old roadway that runs westward off the highway, east of Dung Cove.

A10 LOCATION ACCESS

Travel along Hwy 316 which leads southeast from Hwy 104 in Antigonish. From the junction of Hwy 211 in Stormont, travel 8.5 kms along Hwy 316. On the west side of the highway, an old overgrown roadway leads westward to Dung Cove. Travel the old roadway for approximately 80 metres westward toward Dung Cove. A sluice runs parallel to the roadway and the main feature is located adjacent to the roadway on the north side.

A11 SITE LOCATION MAP NUMBER 11F04 (Attach photocopied section of NTS 1:50000 scale map and indicate the site location. Make sure that the map number is indicated. eg. 21H16).

Borden No. _____

A12 SITE ACCESS MAP NUMBER 11F04 (Attach photocopied section of a larger scale map and show your access route to the site location. Make sure that the map number and scale is indicated) Scale: _____

A13 SITE POSITION

UTM (eg. 20TKE 1447 5362) Zone 20N E 606792.08 N 5002209.1
Latitude 45 ° 09 ' 55 " N Longitude 61 ° 38 ' 28 " W

A14 METHOD(S) OF DETERMINING LOCATION and/or position.

Projection UTM Datum NAD83
GPS _____ Total Station _____
Differential GPS _____ Estimate from description _____
Map (scale =1: 50,000) _____
Aerial Photo (scale =1: 10,000) _____ Other (please specify) _____

A15 SITE ELEVATION

Elevation 0 m. (A.S.L.) to 25 m. (A.S.L.)

A16 METHOD(S) OF DETERMINING ELEVATION

Projection UTM Datum NAD83
GPS _____ Total Station _____
Differential GPS _____ Geodetic Marker (# _____) _____
Map (scale =1: 50,000) _____ Estimate from description _____
Aerial Photo (scale =1: 10,000) _____
Other (please specify) _____

A17 OTHER MAP(s)

A18 AERIAL PHOTO NUMBER(s) 98306 79

A19 PROPERTY IDENTIFIER NUMBER(s) _____

A20 PROPERTY TYPE Private _____ Federal Crown _____ Provincial Crown _____ First Nation Land _____ Unknown

A21 NEAREST FIRST NATION COMMUNITY (if applicable) N/A

Contacted ? Yes _____ No

B. SITE ENVIRONMENT

B1 NATURAL REGION # (Provincial) 842 NATURAL REGION # (Federal) _____

B2 HABITAT DESCRIPTION (please check those appropriate)

Offshore		Freshwater	
1.1 Open Water	_____	3.1 Open-Water Lotic (Rivers and Streams)	_____
1.2 Benthic	_____	3.2 Open-Water Lentic (Lakes and Ponds)	_____
Coastal		3.3 Bottom Lotic (Rivers and Streams)	_____
2.1 Rocky Shore	_____	3.4 Bottom Lentic (Lakes and Ponds)	_____
2.2 Boulder/Cobble Shore	_____	3.5 Water's Edge Lotic (Rivers and Streams)	_____
2.3 Sandy Shore	_____	3.6 Water's Edge Lentic (Lakes and Ponds)	_____
2.4 Mud Flat	_____	Freshwater Wetland	
2.5 Tidal Marsh	_____	4.1 Bog	_____
2.6 Dune System	_____	4.2 Fen	_____
Terrestrial Unforested		4.3 Swamp	_____
5.1 Barren	_____	4.4 Freshwater Marsh (Inland)	_____
5.2 Oldfield	_____	Forests	
5.3 Cliff and Bank	_____	6.1 Hardwood Forest	_____
5.4 Talus Slope	_____	6.2 Softwood Forest	_____
5.5 Cave	_____	6.3 Mixedwood Forest	_____

Additional Habitat Description Above Dung Cove lagoon. Moss covered forest floor.

C. SITE DESCRIPTION

C1 Period

Palaeo-Indian (> 9000 BP)	_____	Contact (1500 - 1604)	_____
Early/Middle Archaic (9000 - 6000 BP)	_____	Colonial (1604 - 1867)	_____
Late Archaic (6000 - 3000 BP)	_____	Early Post-Confederation (1867 to 1950)	_____
Maritime Woodland (3000 - 500 BP)	_____		_____

Basis of identification

Iron spikes embedded in feature. Late 19th to early 20th century brick.

C2 TRADITION

Palaeo-Indian	_____	Middle/Late Woodland	_____	Jamaican Maroon	_____
Early/Middle Maritime Archaic	_____	Maliseet	_____	Planter	_____
Laurentian Archaic	_____	Mi'kmaq	_____	Loyalist	_____
Shield Archaic	_____	Passamaquody	_____	Black Loyalist	_____
Late Maritime Archaic	_____	British	_____	German	_____
Susquehanna	_____	French	_____	Irish	_____
Early Maritime Woodland	_____	Acadian	_____	Unspecified	_____
		Scottish	_____		
Other	_____				

C6 SITE FUNCTION

Aeroplane	_____	General Activity	_____	Religious/Sacred	_____
Agricultural	_____	Hunting & Gathering	_____	Residence	_____
Commercial	_____	Manufacturing	_____	Settlement	_____
Construction	_____	Military	_____	Transportation	_____
Extractive	_____	Mining	_____	Undetermined	_____
Fishing	_____	Miscellaneous	_____	Vessel	_____
Forestry	_____				
		Other	_____		

C7 GENERAL SITE DESCRIPTION

Wooden feature (vertical posts) running parallel to old roadway. Iron spikes embedded in wood. Mortared stone wall running perpendicular to wooden portion. Sluice running parallel to old roadway. Wire fence parallel to roadway.

C8 OBSERVED SITE DIMENSIONS Length 80 m Width 10 m

C9 ESTIMATED SITE DIMENSIONS Length 80 m Width 10 m

C10 DISTANCE TO WATER 30 m

C11 ORIENTATION TO WATER Perpendicular _____ Parallel _____ Not applicable _____

C12 DESTRUCTIVE AGENTS

	High		Medium		Low	
	Existing	Future	Existing	Future	Existing	Future
a <i>Natural</i>						
Marine Erosion	—	—	—	—	—	—
Lacustrine Erosion	—	—	—	—	—	—
Vegetation Growth	—	—	■	—	—	—
Bioturbation	—	—	—	—	—	—
b <i>Cultural</i>						
Agriculture	—	—	—	—	—	—
Construction	—	■	—	—	—	—
Transportation	—	—	—	—	—	—
Forestry	—	—	—	—	—	—
Mining/Quarrying	—	—	—	—	—	—
Dam/reservoir	—	—	—	—	—	—
Vandalism	—	—	—	—	—	—
Site Visitation	—	—	—	—	—	—
Military	—	—	—	—	—	—
Other	—	—	—	—	—	—

BASIS OF ASSESSMENT

Trees growing in and around feature. Site of future petrochemical plant.

D REPORTER INFORMATION

D1 REPORTER'S NAME April MacIntyre

D2 MAILING ADDRESS 6519 Oak Street, Halifax, NS D3 POSTAL CODE B3L 1H6

D4 PHONE (H) (902) 422-0801 D5 PHONE (W) (902) 444-2854

D6 FAX (902) 444-2854 D7 E-MAIL darch@hfx.eastlink.ca

D8 AFFILIATION Davis Archaeological Consultants Limited

D9 HOW DID YOU FIND THE SITE?

Chance Find — Field Survey ■ Local Contacts —
 Map Or Chart — Historical Research — Existing Site Records —

Comments

D10 CONTACT'S NAME _____

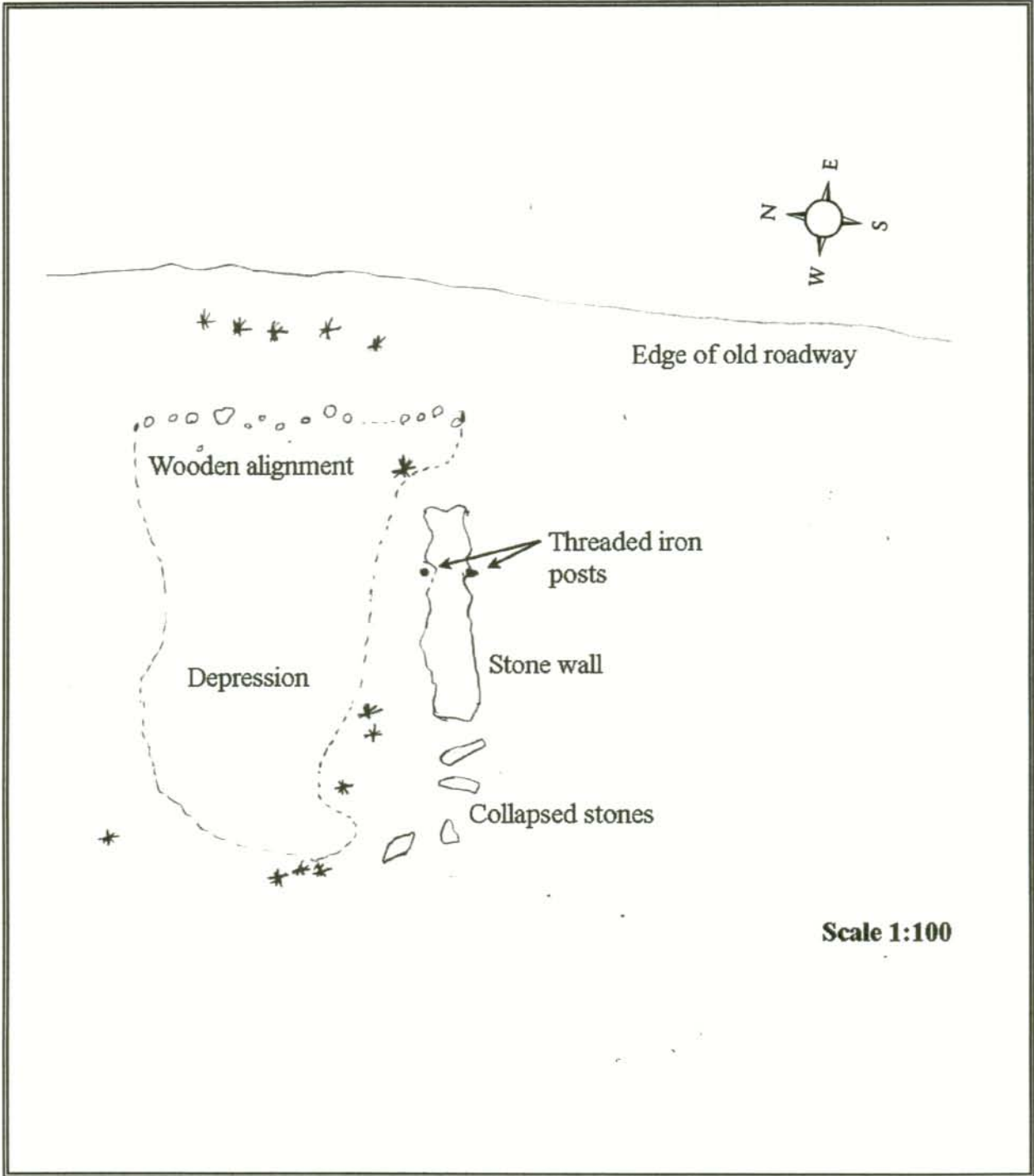
D11 MAILING ADDRESS _____

D12 POSTAL CODE _____

D13 PHONE (H) _____ D14 PHONE (W) _____

E SITE PLAN

Please provide a drawing or sketch of the site, indicating prominent features, the orientation of the site and overall dimension, including artifact scatter fields. Relate the location of features in the Site Plan with features identified in the Site Access Map. Note the direction of true North and the scale of the plan.



- Extent of Site/Étendue du Site
- Building/Édifice
- Foundation/Fondation
- Road/Chemin
- Trail/Sentir
- Railway/Voie Ferrée
- Fence/Cloture
- River-Creek/Rivière-Ruisseau
- Steep Rise/Pente Abrupte

1:50,000 Map No./Carte No. _____

True/Vrai []

Magnetic/Magnétique []

Date _____

Scale/Echelle 1cm=____m.

F. REMARKS

Clear cutting to the south. Mortared stone wall appears to be truncated. Coarse-grade mortar in wall, constructed of blasted stone. Two threaded iron posts on either side of wall, embedded in feature. Approximately 0.75 m high. Wooden feature of vertical log construction running perpendicular to stone wall and parallel to roadway. Coarse-grade fire brick and finer grade red brick scattered over feature. "Garicraig" stamped on coarse-grade brick. Sluice running to feature from main road (highway 316) parallel to old roadway.

MARITIME ARCHAEOLOGICAL RESOURCE INVENTORY

Date Form Filled Out
(YYYY/MM/DD)
2004-10-08

NB NS PEI

A. SITE NAME, LOCATION AND ACCESS

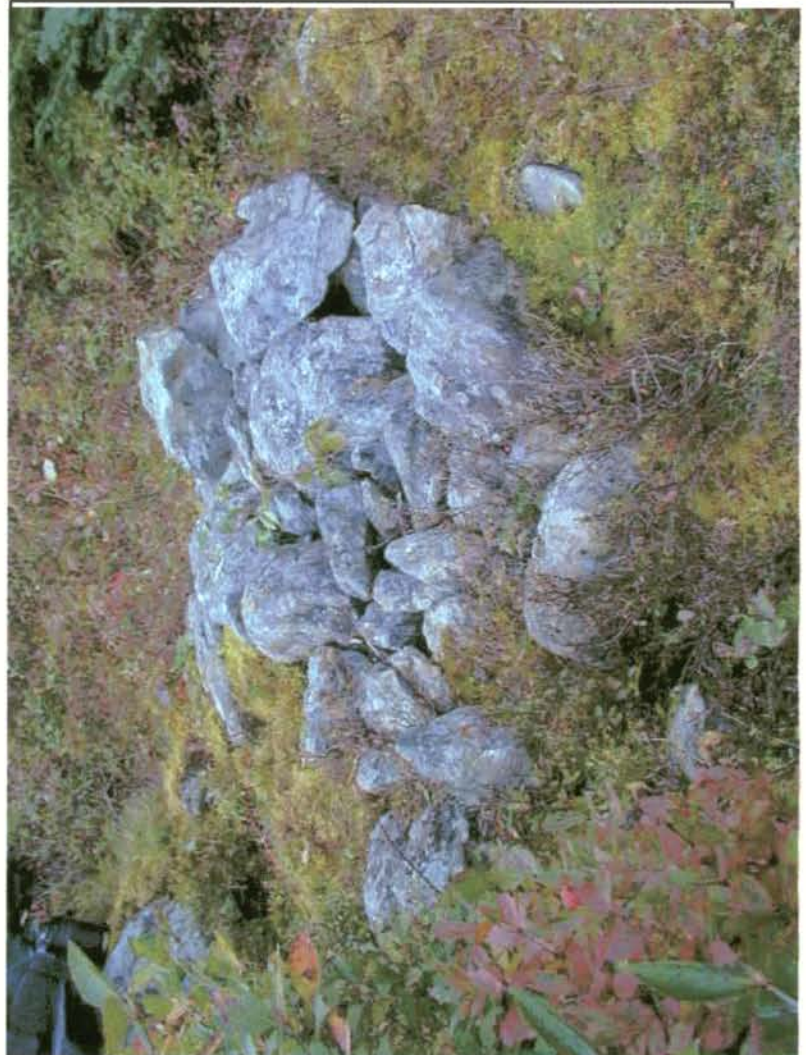
A1 SUGGESTED SITE NAME Dung Cove 1

A2 TEMPORARY SITE NUMBER A2004NS76-08

A3 PERMIT/LICENSE NUMBER A2004NS76

A4 PERMIT/LICENSE TYPE Category C

A5 WHEN DID YOU GATHER THE INFORMATION FOR THIS REPORT ?
2004-09-17 through 2004-10-19



A6 ADDITIONAL INFORMATION AND/OR RESOURCES:

	Submitted	Available
Video Footage	—	—
Maps / Plans	<input checked="" type="checkbox"/>	—
Still Photos	<input checked="" type="checkbox"/>	—
Drawings	<input checked="" type="checkbox"/>	—
Archival Information	—	—
Artifacts	—	—
Articles	—	—
Contacts	—	—
Other	—	—

A7 ACTIVITY

- a) Surface collecting
- b) Surface recording
- c) Site Revisit
- b) Subsurface testing
- c) Extensive excavation
- d) Monitoring
- e) Surveillance

A8 COUNTY Guysborough

A9 LOCATION DESCRIPTION

Located above Dung Cove in Goldboro, approximately 80 metres west of the cove on the highground, west of a clearing.

A10 LOCATION ACCESS

Travel along Hwy 316 which leads southeast from Hwy 104 in Antigonish. From the junction of Hwy 211 in Stormont, travel 9 kms along Hwy 316. On the southwest side of the highway, an old roadway leads westward to Dung Cove. Cross Dung Cove to the west side of the cove and follow a path that runs north-northwest just above the cove in the trees. Approximately 70 metres along this path is a clearing (low shrub cover) to the west. The site is located approximately 60 metres southwest beyond this clearing.

A11 SITE LOCATION MAP NUMBER 11F04 (Attach photocopied section of NTS 1:50000 scale map and indicate the site location. Make sure that the map number is indicated. eg. 21H16).

Borden No. _____

A12 SITE ACCESS MAP NUMBER 11F04 (Attach photocopied section of a larger scale map and show your access route to the site location. Make sure that the map number and scale is indicated) Scale: _____

A13 SITE POSITION

UTM (eg. 20TKE 1447 5362) Zone 20N E 572692.99 N 5013322.2
Latitude 45 ° 16 ' 1070 N Longitude 61 ° 63 ' 8396 W

A14 METHOD(S) OF DETERMINING LOCATION and/or position.

Projection UTM Datum WGS84
GPS 1 Total Station _____
Differential GPS _____ Estimate from description _____
Map (scale =1: 50,000) _____
Aerial Photo (scale =1: 10,000) Other (please specify) _____

A15 SITE ELEVATION

Elevation 25 m. (A.S.L.) to 50 m. (A.S.L.)

A16 METHOD(S) OF DETERMINING ELEVATION

Projection UTM Datum NAD83
GPS _____ Total Station _____
Differential GPS _____ Geodetic Marker (# _____) _____
Map (scale =1: 50,000) Estimate from description _____
Aerial Photo (scale =1: 10,000) _____
Other (please specify) _____

A17 OTHER MAP(s)

A18 AERIAL PHOTO NUMBER(s) 98306 79

A19 PROPERTY IDENTIFIER NUMBER(s) _____

A20 PROPERTY TYPE Private _____ Federal Crown _____ Provincial Crown _____ First Nation Land _____ Unknown

A21 NEAREST FIRST NATION COMMUNITY (if applicable) N/A

Contacted? Yes _____ No

B. SITE ENVIRONMENT

B1 NATURAL REGION # (Provincial) 842 NATURAL REGION # (Federal) _____

B2 HABITAT DESCRIPTION (please check those appropriate)

Offshore		Freshwater	
1.1 Open Water	_____	3.1 Open-Water Lotic (Rivers and Streams)	_____
1.2 Benthic	_____	3.2 Open-Water Lentic (Lakes and Ponds)	_____
Coastal		3.3 Bottom Lotic (Rivers and Streams)	_____
2.1 Rocky Shore	_____	3.4 Bottom Lentic (Lakes and Ponds)	_____
2.2 Boulder/Cobble Shore	_____	3.5 Water's Edge Lotic (Rivers and Streams)	_____
2.3 Sandy Shore	_____	3.6 Water's Edge Lentic (Lakes and Ponds)	_____
2.4 Mud Flat	_____	Freshwater Wetland	
2.5 Tidal Marsh	_____	4.1 Bog	_____
2.6 Dune System	_____	4.2 Fen	_____
Terrestrial Unforested		4.3 Swamp	_____
5.1 Barren	_____	4.4 Freshwater Marsh (Inland)	_____
5.2 Oldfield	_____	Forests	
5.3 Cliff and Bank	_____	6.1 Hardwood Forest	_____
5.4 Talus Slope	_____	6.2 Softwood Forest	_____
5.5 Cave	_____	6.3 Mixedwood Forest	_____

Additional Habitat Description Low shrubbery, alders, spruce. Elevated above shore (to SW) and Dung Cove (N).

C. SITE DESCRIPTION

C1 Period

Palaeo-Indian (> 9000 BP)	<input type="checkbox"/>	Contact (1500 - 1604)	<input type="checkbox"/>
Early/Middle Archaic (9000 - 6000 BP)	<input type="checkbox"/>	Colonial (1604 - 1867)	<input checked="" type="checkbox"/>
Late Archaic (6000 - 3000 BP)	<input type="checkbox"/>	Early Post-Confederation (1867 to 1950)	<input type="checkbox"/>
Maritime Woodland (3000 - 500 BP)	<input type="checkbox"/>		

Basis of identification

Linear fieldstone features (no mortar). No surface artifacts. Trees growing over features.

C2 TRADITION

Palaeo-Indian	<input type="checkbox"/>	Middle/Late Woodland	<input type="checkbox"/>	Jamaican Maroon	<input type="checkbox"/>
Early/Middle Maritime Archaic	<input type="checkbox"/>	Maliseet	<input type="checkbox"/>	Planter	<input type="checkbox"/>
Laurentian Archaic	<input type="checkbox"/>	Mi'kmaq	<input type="checkbox"/>	Loyalist	<input type="checkbox"/>
Shield Archaic	<input type="checkbox"/>	Passamaquoddy	<input type="checkbox"/>	Black Loyalist	<input type="checkbox"/>
Late Maritime Archaic	<input type="checkbox"/>	British	<input type="checkbox"/>	German	<input type="checkbox"/>
Susquehanna	<input type="checkbox"/>	French	<input type="checkbox"/>	Irish	<input type="checkbox"/>
Early Maritime Woodland	<input type="checkbox"/>	Acadian	<input type="checkbox"/>	Unspecified	<input checked="" type="checkbox"/>
Other	<input type="checkbox"/>	Scottish	<input type="checkbox"/>		

C6 SITE FUNCTION

Aeroplane	<input type="checkbox"/>	General Activity	<input type="checkbox"/>	Religious/Sacred	<input type="checkbox"/>
Agricultural	<input type="checkbox"/>	Hunting & Gathering	<input type="checkbox"/>	Residence	<input checked="" type="checkbox"/>
Commercial	<input type="checkbox"/>	Manufacturing	<input type="checkbox"/>	Settlement	<input type="checkbox"/>
Construction	<input type="checkbox"/>	Military	<input type="checkbox"/>	Transportation	<input type="checkbox"/>
Extractive	<input type="checkbox"/>	Mining	<input type="checkbox"/>	Undetermined	<input type="checkbox"/>
Fishing	<input type="checkbox"/>	Miscellaneous	<input type="checkbox"/>	Vessel	<input type="checkbox"/>
Forestry	<input type="checkbox"/>	Other	<input type="checkbox"/>		

C7 GENERAL SITE DESCRIPTION

Three stone piles (field clearing). Rectangular-shaped fieldstone feature (foundation?) which is obscured by tree cover.

C8 OBSERVED SITE DIMENSIONS Length 15 m Width 10 m

C9 ESTIMATED SITE DIMENSIONS Length 15 m Width 10 m

C10 DISTANCE TO WATER 80-200 m

C11 ORIENTATION TO WATER Perpendicular Parallel Not applicable

C12 DESTRUCTIVE AGENTS

	High		Medium		Low	
	Existing	Future	Existing	Future	Existing	Future
a <i>Natural</i>						
Marine Erosion	---	---	---	---	---	---
Lacustrine Erosion	---	---	---	---	---	---
Vegetation Growth	■	---	---	---	---	---
Bioturbation	---	---	---	---	---	---
b <i>Cultural</i>	Existing	Future	Existing	Future	Existing	Future
Agriculture	---	---	---	---	---	---
Construction	---	■	---	---	---	---
Transportation	---	---	---	---	---	---
Forestry	---	---	---	---	---	---
Mining/Quarrying	---	---	---	---	---	---
Dam/reservoir	---	---	---	---	---	---
Vandalism	---	---	---	---	---	---
Site Visitation	---	---	---	---	---	---
Military	---	---	---	---	---	---
Other	---	---	---	---	---	---

BASIS OF ASSESSMENT

Trees growing in and around feature. Site of future petrochemical plant.

D REPORTER INFORMATION

D1 REPORTER'S NAME April MacIntyre

D2 MAILING ADDRESS 6519 Oak Street, Halifax, NS D3 POSTAL CODE B3L 1H6

D4 PHONE (H) (902) 422-0801 D5 PHONE (W) (902) 444-2854

D6 FAX (902) 444-2854 D7 E-MAIL darch@hfx.eastlink.ca

D8 AFFILIATION Davis Archaeological Consultants Limited

D9 HOW DID YOU FIND THE SITE?

Chance Find Map Or Chart Field Survey Local Contacts
 Historical Research Existing Site Records

Comments

D10 CONTACT'S NAME _____

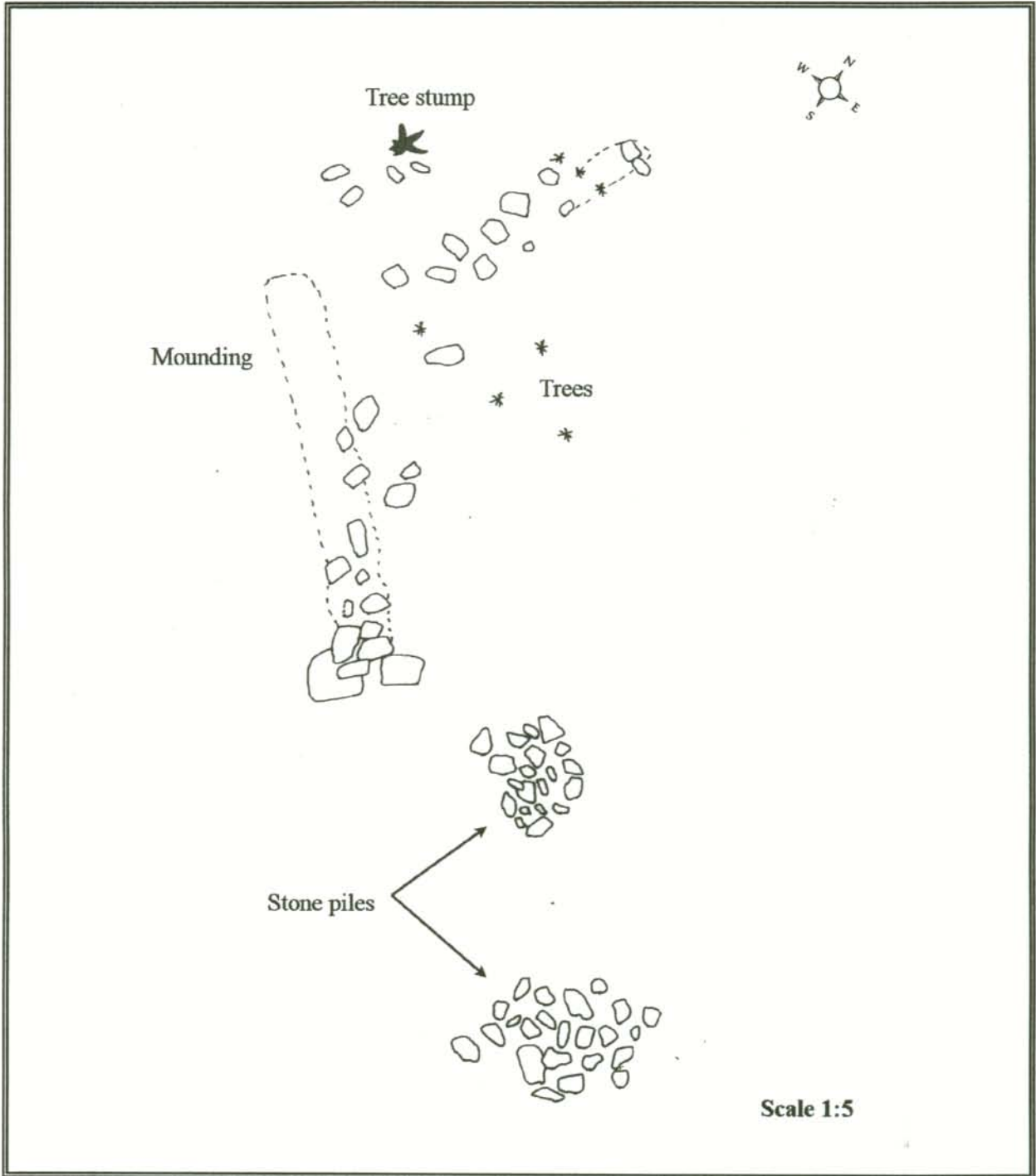
D11 MAILING ADDRESS _____

D12 POSTAL CODE _____

D13 PHONE (H) _____ D14 PHONE (W) _____

E SITE PLAN

Please provide a drawing or sketch of the site, indicating prominent features, the orientation of the site and overall dimension, including artifact scatter fields. Relate the location of features in the Site Plan with features identified in the Site Access Map. Note the direction of true North and the scale of the plan.



- Extent of Site/Étendue du Site
- Building/Édifice
- Foundation/Fondation
- Road/Chemin
- Trail/Sentir
- Railway/Voie Ferrée
- Fence/Cloture
- River-Creek/Rivière-Ruisseau
- Steep Rise/Pente Abrupte

1:50,000 Map No./Carte No. _____

True/Vrai []

Magnetic/Magnétique []

Date _____

Scale/Echelle 1cm=____m.

F. REMARKS

Located 80 metres west of Dung Cove and 200 metres north of ocean on high ground. Rectangular-shaped feature which appears to have been obliterated on the east and south sides by an unknown source. Remnants measure approximately 5 1/2 metres by 5 1/2 metres. Fieldstone collapse on north wall exterior. Land surrounding feature appears to have been cultivated. To the north of the feature (approximately 50 metres), there is an old field tiller with spoked iron wheels

MARITIME ARCHAEOLOGICAL RESOURCE INVENTORY

Date Form Filled Out
(YYYY/MM/DD)

2004-10-08

NB NS PEI

A. SITE NAME, LOCATION AND ACCESS

A1 SUGGESTED SITE NAME McMillan Mine

A2 TEMPORARY SITE NUMBER A2004NS76-07

A3 PERMIT/LICENSE NUMBER A2004NS76

A4 PERMIT/LICENSE TYPE Category C

A5 WHEN DID YOU GATHER THE INFORMATION FOR THIS REPORT ?
2004-09-17 through 2004-10-19

A6 ADDITIONAL INFORMATION AND/OR RESOURCES:

	Submitted	Available
Video Footage	—	—
Maps / Plans	■	—
Still Photos	■	—
Drawings	■	—
Archival Information	—	—
Artifacts	—	—
Articles	—	—
Contacts	—	—
Other	—	—

A7 ACTIVITY

- a) Surface collecting —
- b) Surface recording ■
- c) Site Revisit —
- b) Subsurface testing —
- c) Extensive excavation —
- d) Monitoring —
- e) Surveillance —

A8 COUNTY Guysborough



A9 LOCATION DESCRIPTION

Located approximately 200 metres north of Red Head on south side of an old roadway that runs from the shore to the north end of the peninsula.

A10 LOCATION ACCESS

Travel along Highway 316 which leads southeast from Highway 104 in Antigonish. From the junction of Highway 211 in Stormont, travel 8 kilometres along Highway 316. On the southwest side of the road, a private driveway leads southwest to a modern residence. On the north side of the barn, a road leads southward to Sculpin Cove. With the landowner's permission, travel this roadway approximately 375 metres. The site is located on the south side of the roadway approximately 20 metres east of the shoreline.

A11 SITE LOCATION MAP NUMBER 11F04 (Attach photocopied section of NTS 1:50000 scale map and indicate the site location. Make sure that the map number is indicated. eg. 21H16).

Borden No. _____

A12 SITE ACCESS MAP NUMBER 11F04 (Attach photocopied section of a larger scale map and show your access route to the site location. Make sure that the map number and scale is indicated) Scale: _____

A13 SITE POSITION

UTM (eg. 20TKE 1447 5362) Zone 20N E 572827.28 N 5013450.3
Latitude 45 ° 16 ' 1480 N Longitude 61 ° 64 ' 1773 W

A14 METHOD(S) OF DETERMINING LOCATION and/or position.

Projection UTM Datum WGS84
GPS 1 Total Station _____
Differential GPS _____ Estimate from description _____
Map (scale =1: 50,000) _____
Aerial Photo (scale =1: 10,000) Other (please specify) _____

A15 SITE ELEVATION

Elevation 0 m. (A.S.L.) to 5 m. (A.S.L.)

A16 METHOD(S) OF DETERMINING ELEVATION

Projection UTM Datum NAD83
GPS _____ Total Station _____
Differential GPS _____ Geodetic Marker (# _____) _____
Map (scale =1: 50,000) Estimate from description _____
Aerial Photo (scale =1: 10,000) _____
Other (please specify) _____

A17 OTHER MAP(S) _____

A18 AERIAL PHOTO NUMBER(S) 98306 79

A19 PROPERTY IDENTIFIER NUMBER(S) _____

A20 PROPERTY TYPE Private _____ Federal Crown _____ Provincial Crown _____ First Nation Land _____ Unknown

A21 NEAREST FIRST NATION COMMUNITY (if applicable) N/A

Contacted? Yes _____ No

B. SITE ENVIRONMENT

B1 NATURAL REGION # (Provincial) 842 NATURAL REGION # (Federal) _____

B2 HABITAT DESCRIPTION (please check those appropriate)

Offshore		Freshwater	
1.1 Open Water	_____	3.1 Open-Water Lotic (Rivers and Streams)	_____
1.2 Benthic	_____	3.2 Open-Water Lentic (Lakes and Ponds)	_____
Coastal		3.3 Bottom Lotic (Rivers and Streams)	_____
2.1 Rocky Shore	_____	3.4 Bottom Lentic (Lakes and Ponds)	_____
2.2 Boulder/Cobble Shore	_____	3.5 Water's Edge Lotic (Rivers and Streams)	_____
2.3 Sandy Shore	_____	3.6 Water's Edge Lentic (Lakes and Ponds)	_____
2.4 Mud Flat	_____	Freshwater Wetland	
2.5 Tidal Marsh	_____	4.1 Bog	_____
2.6 Dune System	_____	4.2 Fen	_____
		4.3 Swamp	_____
Terrestrial Unforested		4.4 Freshwater Marsh (Inland)	_____
5.1 Barren	_____	Forests	
5.2 Oldfield	_____	6.1 Hardwood Forest	_____
5.3 Cliff and Bank	_____	6.2 Softwood Forest	_____
5.4 Talus Slope	_____	6.3 Mixedwood Forest	_____
5.5 Cave	_____		

Additional Habitat Description _____

C. SITE DESCRIPTION

C1 Period

Palaeo-Indian (> 9000 BP)	<input type="checkbox"/>	Contact (1500 - 1604)	<input type="checkbox"/>
Early/Middle Archaic (9000 - 6000 BP)	<input type="checkbox"/>	Colonial (1604 - 1867)	<input type="checkbox"/>
Late Archaic (6000 - 3000 BP)	<input type="checkbox"/>	Early Post-Confederation (1867 to 1950)	<input checked="" type="checkbox"/>
Maritime Woodland (3000 - 500 BP)	<input type="checkbox"/>		

Basis of identification

Concrete on footings. Wooden block supports inside feature. Wire nails.

C2 TRADITION

Palaeo-Indian	<input type="checkbox"/>	Middle/Late Woodland	<input type="checkbox"/>	Jamaican Maroon	<input type="checkbox"/>
Early/Middle Maritime Archaic	<input type="checkbox"/>	Maliseet	<input type="checkbox"/>	Planter	<input type="checkbox"/>
Laurentian Archaic	<input type="checkbox"/>	Mi'kmaq	<input type="checkbox"/>	Loyalist	<input type="checkbox"/>
Shield Archaic	<input type="checkbox"/>	Passamaquody	<input type="checkbox"/>	Black Loyalist	<input type="checkbox"/>
Late Maritime Archaic	<input type="checkbox"/>	British	<input type="checkbox"/>	German	<input type="checkbox"/>
Susquehanna	<input type="checkbox"/>	French	<input type="checkbox"/>	Irish	<input type="checkbox"/>
Early Maritime Woodland	<input type="checkbox"/>	Acadian	<input type="checkbox"/>	Unspecified	<input checked="" type="checkbox"/>
Other	<input type="checkbox"/>	Scottish	<input type="checkbox"/>		

C6 SITE FUNCTION

Aeroplane	<input type="checkbox"/>	General Activity	<input type="checkbox"/>	Religious/Sacred	<input type="checkbox"/>
Agricultural	<input type="checkbox"/>	Hunting & Gathering	<input type="checkbox"/>	Residence	<input type="checkbox"/>
Commercial	<input type="checkbox"/>	Manufacturing	<input type="checkbox"/>	Settlement	<input type="checkbox"/>
Construction	<input type="checkbox"/>	Military	<input type="checkbox"/>	Transportation	<input type="checkbox"/>
Extractive	<input type="checkbox"/>	Mining	<input checked="" type="checkbox"/>	Undetermined	<input type="checkbox"/>
Fishing	<input type="checkbox"/>	Miscellaneous	<input type="checkbox"/>	Vessel	<input type="checkbox"/>
Forestry	<input type="checkbox"/>	Other	<input type="checkbox"/>		

C7 GENERAL SITE DESCRIPTION

Square footing of stone and concrete construction. Wooden block supports for footing inside feature. Mining activity to southeast.

C8 OBSERVED SITE DIMENSIONS Length 25 m Width 4 m

C9 ESTIMATED SITE DIMENSIONS Length 25 m Width 4 m

C10 DISTANCE TO WATER 20 m

C11 ORIENTATION TO WATER Perpendicular Parallel Not applicable

C12 DESTRUCTIVE AGENTS

	High		Medium		Low	
	Existing	Future	Existing	Future	Existing	Future
a <i>Natural</i>						
Marine Erosion	---	---	---	---	---	---
Lacustrine Erosion	---	---	---	---	---	---
Vegetation Growth	---	---	■	---	---	---
Bioturbation	---	---	---	---	---	---
b <i>Cultural</i>						
Agriculture	---	---	---	---	---	---
Construction	---	■	---	---	---	---
Transportation	---	---	---	---	---	---
Forestry	---	---	---	---	---	---
Mining/Quarrying	---	---	---	---	---	---
Dam/reservoir	---	---	---	---	---	---
Vandalism	---	---	---	---	---	---
Site Visitation	---	---	---	---	---	---
Military	---	---	---	---	---	---
Other	---	---	---	---	---	---

BASIS OF ASSESSMENT

Trees growing in and around feature. Site of future petrochemical plant.

D REPORTER INFORMATION

D1 REPORTER'S NAME April MacIntyre

D2 MAILING ADDRESS 6519 Oak Street, Halifax, NS D3 POSTAL CODE B3L 1H6

D4 PHONE (H) (902) 422-0801 D5 PHONE (W) (902) 444-2854

D6 FAX (902) 444-2854 D7 E-MAIL darch@hfx.eastlink.ca

D8 AFFILIATION Davis Archaeological Consultants Limited

D9 HOW DID YOU FIND THE SITE?

Chance Find Map Or Chart Field Survey Historical Research Local Contacts Existing Site Records

Comments

D10 CONTACT'S NAME _____

D11 MAILING ADDRESS _____

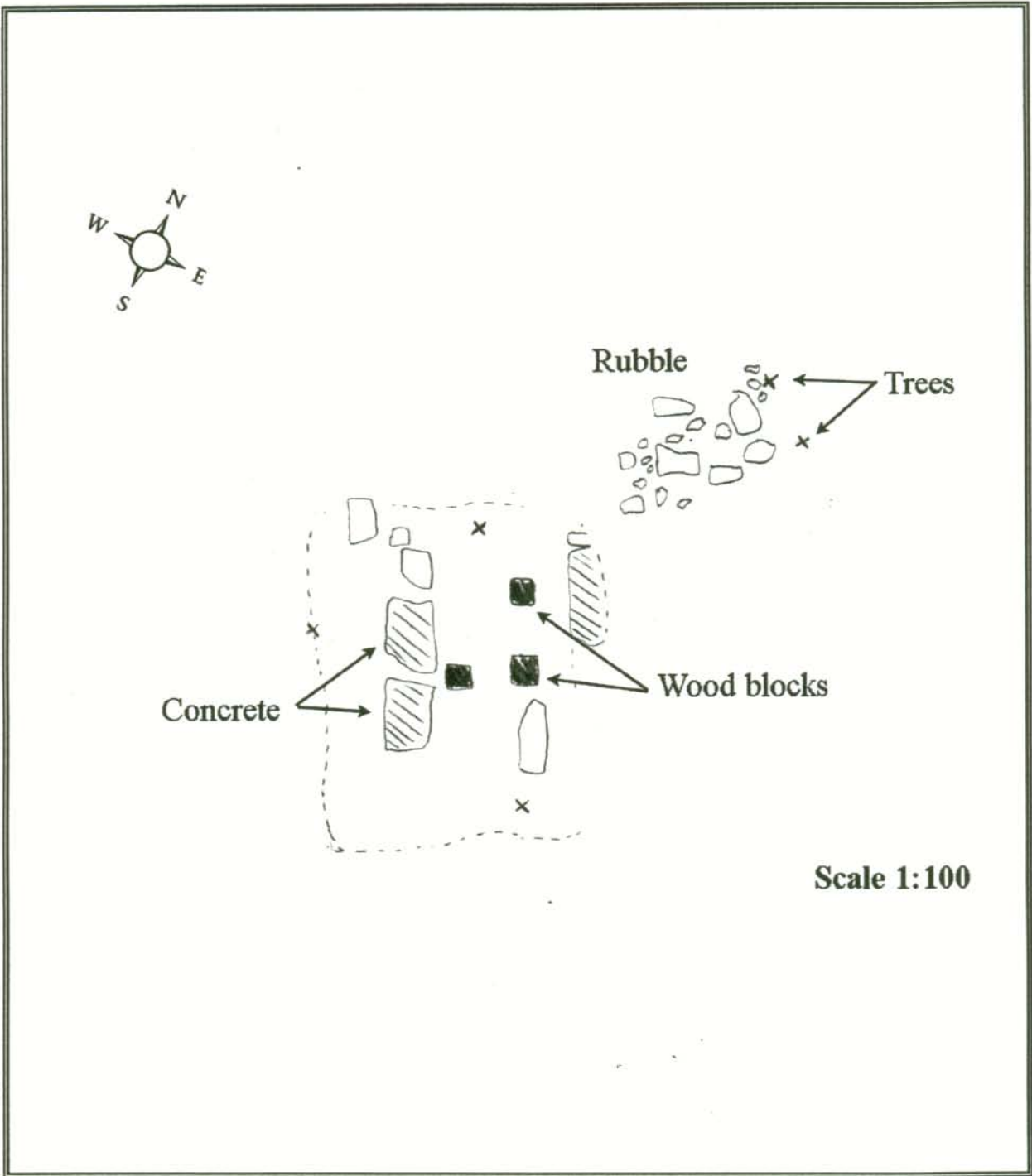
D12 POSTAL CODE _____

D13 PHONE (H) _____ D14 PHONE (W) _____

E

SITE PLAN

Please provide a drawing or sketch of the site, indicating prominent features, the orientation of the site and overall dimension, including artifact scatter fields. Relate the location of features in the Site Plan with features identified in the Site Access Map. Note the direction of true North and the scale of the plan.



- Extent of Site/Étendue du Site
- Building/Édifice
- Foundation/Fondation
- Road/Chemin
- Trail/Sentir
- Railway/Vole Ferrée
- Fence/Cloture
- River-Creek/Rivière-Ruisseau
- Steep Rise/Pente Abrupte

1:50,000 Map No./Carte No. _____

True/Vrai []

Magnetic/Magnetique []

Date _____

Scale/Echelle 1cm= ___ m.

F. REMARKS

Coal wasters on east side of feature outside, as well as rubble. Mine shaft 20 metres to southeast on shoreline. Footing measures approximately 5 metres by 4 metres.

MARITIME ARCHAEOLOGICAL RESOURCE INVENTORY

Date Form Filled Out
(YYYY/MM/DD)
2004-10-08

NB NS PEI

A. SITE NAME, LOCATION AND ACCESS

A1 SUGGESTED SITE NAME Sculpin Cove 5
 A2 TEMPORARY SITE NUMBER A2004NS76-06
 A3 PERMIT/LICENSE NUMBER A2004NS76
 A4 PERMIT/LICENSE TYPE Category C
 A5 WHEN DID YOU GATHER THE INFORMATION FOR THIS REPORT ?
2004-09-17 through 2004-10-19



A6 ADDITIONAL INFORMATION AND/OR RESOURCES:

	Submitted	Available
Video Footage	<input type="checkbox"/>	<input type="checkbox"/>
Maps / Plans	<input type="checkbox"/>	<input type="checkbox"/>
Still Photos	<input type="checkbox"/>	<input type="checkbox"/>
Drawings	<input type="checkbox"/>	<input type="checkbox"/>
Archival Information	<input type="checkbox"/>	<input type="checkbox"/>
Artifacts	<input type="checkbox"/>	<input type="checkbox"/>
Articles	<input type="checkbox"/>	<input type="checkbox"/>
Contacts	<input type="checkbox"/>	<input type="checkbox"/>
Other	<input type="checkbox"/>	<input type="checkbox"/>

A7 ACTIVITY

- a) Surface collecting
- b) Surface recording
- c) Site Revisit
- b) Subsurface testing
- c) Extensive excavation
- d) Monitoring
- e) Surveillance

A8 COUNTY Guysborough

A9 LOCATION DESCRIPTION

Located on Sculpin Point, Goldboro.

A10 LOCATION ACCESS

Travel along Hwy 316 which leads southeast from Hwy 104 in Antigonish. From the junction of Hwy 211 in Stormont, travel 8 kms along Hwy 316. On the southwest side of the road, a private driveway leads SW to a modern residence. Between the house and barn, an overgrown road leads westward to Sculpin Cove. With the landowner's permission, travel this roadway to the end (shore). Travel along the shore for approx 75 metres to a sand bar (at low tide). Cross the sandbar and the site is located on the point (Sculpin Point).

A11 SITE LOCATION MAP NUMBER 11F04 (Attach photocopied section of NTS 1:50000 scale map and indicate the site location. Make sure that the map number is indicated. eg. 21H16).

Borden No. _____

A12 SITE ACCESS MAP NUMBER 11F04 (Attach photocopied section of a larger scale map and show your access route to the site location. Make sure that the map number and scale is indicated) Scale: _____

A13 SITE POSITION

UTM (eg. 20TKE 1447 5362) Zone 20N E 572015.06 N 5013623.7
Latitude 45 ° 16 ' 2072 N Longitude 61 ° 64 ' 5491 W

A14 METHOD(S) OF DETERMINING LOCATION and/or position.

Projection UTM Datum WGS84
GPS 1 Total Station _____
Differential GPS _____ Estimate from description _____
Map (scale =1: 50,000) _____
Aerial Photo (scale =1: 10,000) Other (please specify) _____

A15 SITE ELEVATION

Elevation 0 m. (A.S.L.) to 5 m. (A.S.L.)

A16 METHOD(S) OF DETERMINING ELEVATION

Projection UTM Datum NAD83
GPS _____ Total Station _____
Differential GPS _____ Geodetic Marker (# _____) _____
Map (scale =1: 50,000) Estimate from description _____
Aerial Photo (scale =1: 10,000) _____
Other (please specify) _____

A17 OTHER MAP(S) _____

A18 AERIAL PHOTO NUMBER(S) 98306 79

A19 PROPERTY IDENTIFIER NUMBER(S) _____

A20 PROPERTY TYPE Private _____ Federal Crown _____ Provincial Crown _____ First Nation Land _____ Unknown

A21 NEAREST FIRST NATION COMMUNITY (if applicable) N/A

Contacted? Yes _____ No

B. SITE ENVIRONMENT

B1 NATURAL REGION # (Provincial) 842 NATURAL REGION # (Federal) _____

B2 HABITAT DESCRIPTION (please check those appropriate)

Offshore		Freshwater	
1.1 Open Water	_____	3.1 Open-Water Lotic (Rivers and Streams)	_____
1.2 Benthic	_____	3.2 Open-Water Lentic (Lakes and Ponds)	_____
Coastal		3.3 Bottom Lotic (Rivers and Streams)	_____
2.1 Rocky Shore	_____	3.4 Bottom Lentic (Lakes and Ponds)	_____
2.2 Boulder/Cobble Shore	<input checked="" type="checkbox"/>	3.5 Water's Edge Lotic (Rivers and Streams)	_____
2.3 Sandy Shore	_____	3.6 Water's Edge Lentic (Lakes and Ponds)	_____
2.4 Mud Flat	_____	Freshwater Wetland	
2.5 Tidal Marsh	_____	4.1 Bog	_____
2.6 Dune System	_____	4.2 Fen	_____
		4.3 Swamp	_____
		4.4 Freshwater Marsh (Inland)	_____
Terrestrial Unforested		Forests	
5.1 Barren	_____	6.1 Hardwood Forest	_____
5.2 Oldfield	_____	6.2 Softwood Forest	_____
5.3 Cliff and Bank	_____	6.3 Mixedwood Forest	_____
5.4 Talus Slope	_____		
5.5 Cave	_____		

Additional Habitat Description Tidal sand bar leading to Point. Spruce trees surrounding. Shellfish on beach.

C. SITE DESCRIPTION

C1 Period

Palaeo-Indian (> 9000 BP)	___	Contact (1500 - 1604)	___
Early/Middle Archaic (9000 - 6000 BP)	___	Colonial (1604 - 1867)	___
Late Archaic (6000 - 3000 BP)	___	Early Post-Confederation (1867 to 1950)	___
Maritime Woodland (3000 - 500 BP)	___		

Basis of identification

Unknown.

C2 TRADITION

Palaeo-Indian	___	Middle/Late Woodland	___	Jamaican Maroon	___
Early/Middle Maritime Archaic	___	Maliseet	___	Planter	___
Laurentian Archaic	___	Mi'kmaq	___	Loyalist	___
Shield Archaic	___	Passamaquody	___	Black Loyalist	___
Late Maritime Archaic	___	British	___	German	___
Susquehanna	___	French	___	Irish	___
Early Maritime Woodland	___	Acadian	___	Unspecified	■
		Scottish	___		
Other	_____				

C6 SITE FUNCTION

Aeroplane	___	General Activity	___	Religious/Sacred	___
Agricultural	___	Hunting & Gathering	___	Residence	___
Commercial	___	Manufacturing	___	Settlement	___
Construction	___	Military	___	Transportation	___
Extractive	___	Mining	___	Undetermined	■
Fishing	___	Miscellaneous	___	Vessel	___
Forestry	___				
		Other	_____		

C7 GENERAL SITE DESCRIPTION

Oval or rectangular depression, within 1 metre of shoreline. Depression is approximately 1 1/2 metre deep. Possible entrance on southwest side of feature leading to shore.

C8 OBSERVED SITE DIMENSIONS Length 6 m Width 3 m

C9 ESTIMATED SITE DIMENSIONS Length 6 m Width 3 m

C10 DISTANCE TO WATER <1 m

C11 ORIENTATION TO WATER Perpendicular ___ Parallel ___ Not applicable ■

C12 DESTRUCTIVE AGENTS

	High		Medium		Low	
	Existing	Future	Existing	Future	Existing	Future
a <i>Natural</i>						
Marine Erosion	—	—	—	—	■	—
Lacustrine Erosion	—	—	—	—	—	—
Vegetation Growth	—	—	■	—	—	—
Bioturbation	—	—	—	—	—	—
b <i>Cultural</i>	Existing	Future	Existing	Future	Existing	Future
Agriculture	—	—	—	—	—	—
Construction	—	■	—	—	—	—
Transportation	—	—	—	—	—	—
Forestry	—	—	—	—	—	—
Mining/Quarrying	—	—	—	—	—	—
Dam/reservoir	—	—	—	—	—	—
Vandalism	—	—	—	—	—	—
Site Visitation	—	—	—	—	—	—
Military	—	—	—	—	—	—
Other	—	—	—	—	—	—

BASIS OF ASSESSMENT

Trees growing in and around feature. Adjacent to shoreline - subjected to low-level marine erosion. Site of future petrochemical plant.

D REPORTER INFORMATION

D1 REPORTER'S NAME April MacIntyre

D2 MAILING ADDRESS 6519 Oak Street, Halifax, NS D3 POSTAL CODE B3L 1H6

D4 PHONE (H) (902) 422-0801 D5 PHONE (W) (902) 444-2854

D6 FAX (902) 444-2854 D7 E-MAIL darch@hfx.eastlink.ca

D8 AFFILIATION Davis Archaeological Consultants Limited

D9 HOW DID YOU FIND THE SITE?

Chance Find Map Or Chart Field Survey Historical Research Local Contacts Existing Site Records

Comments

D10 CONTACT'S NAME _____

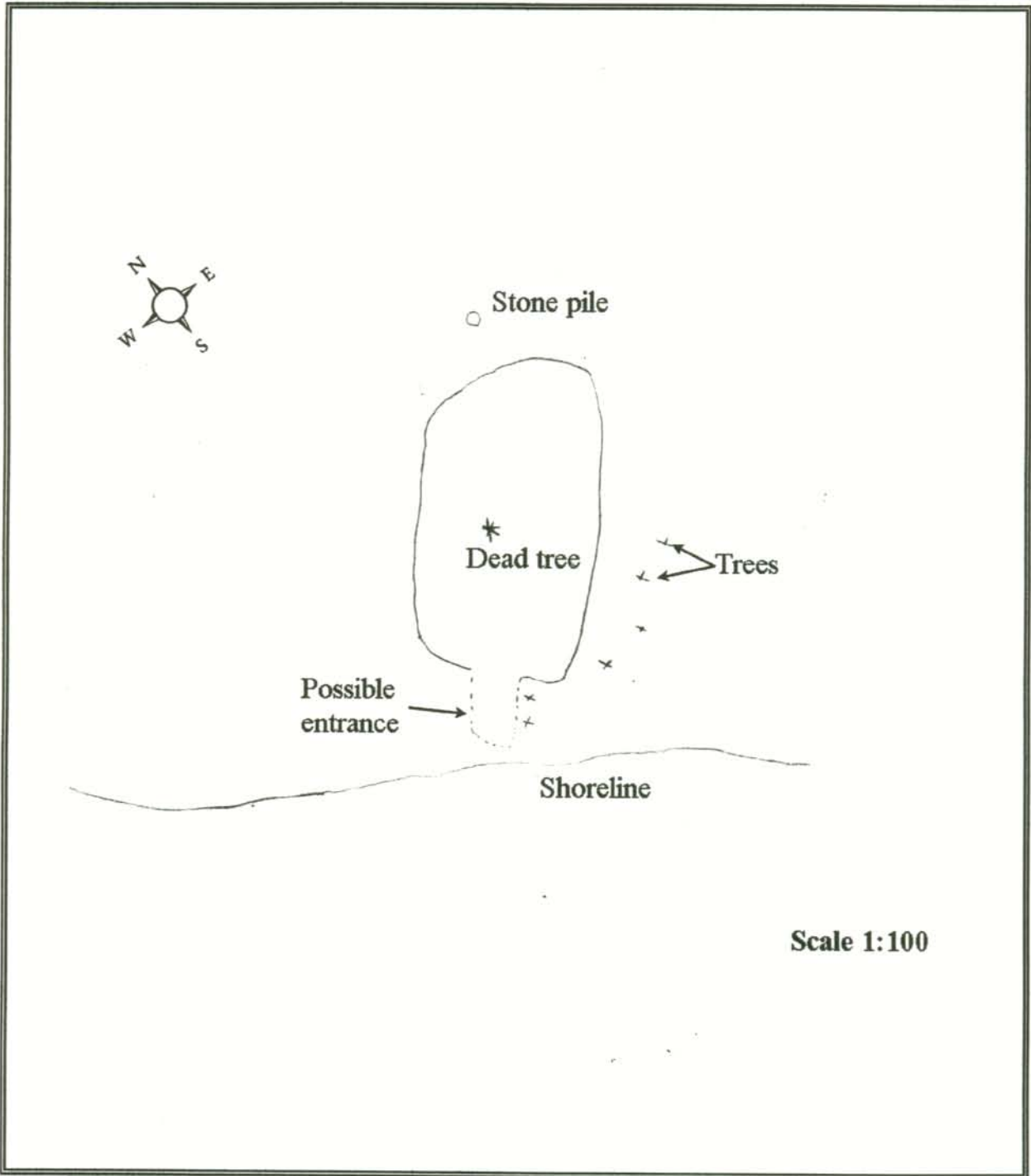
D11 MAILING ADDRESS _____

D12 POSTAL CODE _____

D13 PHONE (H) _____ D14 PHONE (W) _____

E SITE PLAN

Please provide a drawing or sketch of the site, indicating prominent features, the orientation of the site and overall dimension, including artifact scatter fields. Relate the location of features in the Site Plan with features identified in the Site Access Map. Note the direction of true North and the scale of the plan.



- Extent of Site/Étendue du Site
- Building/Édifice
- Foundation/Fondation
- Road/Chemin
- Trai/Sentir
- Railway/Vole Ferrée
- Fence/Cloture
- River-Creek/Rivière-Ruisseau
- Steep Rise/Pente Abrupte

1:50,000 Map No./Carte No. _____

True/Vrai []

Magnetic/Magnetique []

Date _____

Scale/Echelle 1cm=___m.

F. REMARKS

Feature measurements:

- 4.20 metres (west wall)
- 2.80 metres (north wall)
- 5.80 metres (east wall)
- 4.90 metres (south wall)

Two stone piles to north of feature (field clearing). Dead tree (likely 80-100 years old at time of deterioration) rooted in centre of feature.

MARITIME ARCHAEOLOGICAL RESOURCE INVENTORY

Date Form Filled Out
(YYYY/MM/DD)

2004-10-08

NB NS PEI

A. SITE NAME, LOCATION AND ACCESS

A1 SUGGESTED SITE NAME Hurricane Island Mine

A2 TEMPORARY SITE NUMBER A2004NS76-05

A3 PERMIT/LICENSE NUMBER A2004NS76

A4 PERMIT/LICENSE TYPE Category C

A5 WHEN DID YOU GATHER THE INFORMATION FOR THIS REPORT ?
2004-09-17 through 2004-10-19



A6 ADDITIONAL INFORMATION AND/OR RESOURCES:

	Submitted	Available
Video Footage	—	—
Maps / Plans	■	—
Still Photos	■	—
Drawings	■	—
Archival Information	—	■
Artifacts	—	—
Articles	—	—
Contacts	—	—
Other	—	—

A7 ACTIVITY

a) Surface collecting —

b) Surface recording ■

c) Site Revisit —

b) Subsurface testing —

c) Extensive excavation —

d) Monitoring —

e) Surveillance —

A8 COUNTY Guysborough

A9 LOCATION DESCRIPTION

Located on Hurricane Island, northwest of Webb's Cove in Goldboro.

A10 LOCATION ACCESS

Travel along Highway 316 which leads southeast from Highway 104 in Antigonish. From the junction of Highway 211 in Stormont, travel 8 kilometres along Highway 316. On the southwest side of the road, a private driveway leads southwest to a modern residence. The shore can be accessed from the north side of this driveway. Travel around to the west side of Webb's Cove and cross the sand bar (at low tide) which leads to the east shore of Hurricane Island. The site encompasses the entire island.

A11 SITE LOCATION MAP NUMBER 11F04 (Attach photocopied section of NTS 1:50000 scale map and indicate the site location. Make sure that the map number is indicated. eg. 21H16).

Borden No.

A12 SITE ACCESS MAP NUMBER 11F04 (Attach photocopied section of a larger scale map and show your access route to the site location. Make sure that the map number and scale is indicated) Scale: _____

A13 SITE POSITION

UTM (eg. 20TKE 1447 5362) Zone 20N E 606241.2 N 5002811.0
Latitude 45 ° 10 ' 048 N Longitude 61 ° 38 ' 528 W

A14 METHOD(S) OF DETERMINING LOCATION and/or position.

Projection UTM Datum NAD83
GPS _____ Total Station _____
Differential GPS _____ Estimate from description _____
Map (scale =1: 50,000) _____
Aerial Photo (scale =1: 10,000) _____ Other (please specify) _____

A15 SITE ELEVATION

Elevation 0 m. (A.S.L.) to 5 m. (A.S.L.)

A16 METHOD(S) OF DETERMINING ELEVATION

Projection UTM Datum NAD83
GPS _____ Total Station _____
Differential GPS _____ Geodetic Marker (# _____) _____
Map (scale =1: 50,000) _____ Estimate from description _____
Aerial Photo (scale =1: 10,000) _____
Other (please specify) _____

A17 OTHER MAP(S)

A18 AERIAL PHOTO NUMBER(S) 98306 79

A19 PROPERTY IDENTIFIER NUMBER(S) _____

A20 PROPERTY TYPE Private _____ Federal Crown _____ Provincial Crown _____ First Nation Land _____ Unknown

A21 NEAREST FIRST NATION COMMUNITY (if applicable) N/A

Contacted? Yes _____ No

B. SITE ENVIRONMENT

B1 NATURAL REGION # (Provincial) 842 NATURAL REGION # (Federal) _____

B2 HABITAT DESCRIPTION (please check those appropriate)

Offshore		Freshwater	
1.1 Open Water	_____	3.1 Open-Water Lotic (Rivers and Streams)	_____
1.2 Benthic	_____	3.2 Open-Water Lentic (Lakes and Ponds)	_____
		3.3 Bottom Lotic (Rivers and Streams)	_____
Coastal		3.4 Bottom Lentic (Lakes and Ponds)	_____
2.1 Rocky Shore	_____	3.5 Water's Edge Lotic (Rivers and Streams)	_____
2.2 Boulder/Cobble Shore	<input checked="" type="checkbox"/>	3.6 Water's Edge Lentic (Lakes and Ponds)	_____
2.3 Sandy Shore	_____		
2.4 Mud Flat	_____	Freshwater Wetland	
2.5 Tidal Marsh	_____	4.1 Bog	_____
2.6 Dune System	_____	4.2 Fen	_____
		4.3 Swamp	_____
Terrestrial Unforested		4.4 Freshwater Marsh (Inland)	_____
5.1 Barren	_____	Forests	
5.2 Oldfield	_____	6.1 Hardwood Forest	_____
5.3 Cliff and Bank	_____	6.2 Softwood Forest	_____
5.4 Talus Slope	_____	6.3 Mixedwood Forest	<input checked="" type="checkbox"/>
5.5 Cave	_____		_____

Additional Habitat Description Island in Isaac's Harbour. Shellfish abundant on shore.

C. SITE DESCRIPTION

C1 Period

Palaeo-Indian (> 9000 BP)	___	Contact (1500 - 1604)	___
Early/Middle Archaic (9000 - 6000 BP)	___	Colonial (1604 - 1867)	___
Late Archaic (6000 - 3000 BP)	___	Early Post-Confederation (1867 to 1950)	■
Maritime Woodland (3000 - 500 BP)	___		

Basis of identification

Associated with Hurricane Point mine, opened in 1887.

C2 TRADITION

Palaeo-Indian	___	Middle/Late Woodland	___	Jamaican Maroon	___
Early/Middle Maritime Archaic	___	Maliseet	___	Planter	___
Laurentian Archaic	___	Mi'kmaq	___	Loyalist	___
Shield Archaic	___	Passamaquoddy	___	Black Loyalist	___
Late Maritime Archaic	___	British	___	German	___
Susquehanna	___	French	___	Irish	___
Early Maritime Woodland	___	Acadian	___	Unspecified	■
		Scottish	___		
Other	_____				

C6 SITE FUNCTION

Aeroplane	___	General Activity	___	Religious/Sacred	___
Agricultural	___	Hunting & Gathering	___	Residence	___
Commercial	___	Manufacturing	___	Settlement	___
Construction	___	Military	___	Transportation	___
Extractive	___	Mining	■	Undetermined	___
Fishing	___	Miscellaneous	___	Vessel	___
Forestry	___				
		Other	_____		

C7 GENERAL SITE DESCRIPTION

Various mine-related features including shafts, air vents, a well, possible powder-magazine, and several unidentified features spread out over the island.

C8 OBSERVED SITE DIMENSIONS Length 300 m Width 50 m

C9 ESTIMATED SITE DIMENSIONS Length 300 m Width 50 m

C10 DISTANCE TO WATER 3 m

C11 ORIENTATION TO WATER Perpendicular ___ Parallel ___ Not applicable ■

C12 DESTRUCTIVE AGENTS

	High		Medium		Low	
	Existing	Future	Existing	Future	Existing	Future
a <i>Natural</i>						
Marine Erosion	---	---	---	---	---	---
Lacustrine Erosion	---	---	---	---	---	---
Vegetation Growth	---	---	■	---	---	---
Bioturbation	---	---	---	---	---	---
b <i>Cultural</i>						
Agriculture	---	---	---	---	---	---
Construction	---	■	---	---	---	---
Transportation	---	---	---	---	---	---
Forestry	---	---	---	---	---	---
Mining/Quarrying	---	---	---	---	---	---
Dam/reservoir	---	---	---	---	---	---
Vandalism	---	---	---	---	---	---
Site Visitation	---	---	---	---	---	---
Military	---	---	---	---	---	---
Other	---	---	---	---	---	---

BASIS OF ASSESSMENT

Trees growing in and around features. Possible site of future petrochemical plant.

D REPORTER INFORMATION

D1 REPORTER'S NAME April MacIntyre

D2 MAILING ADDRESS 6519 Oak Street, Halifax, NS D3 POSTAL CODE B3L 1H6

D4 PHONE (H) (902) 422-0801 D5 PHONE (W) (902) 444-2854

D6 FAX (902) 444-2854 D7 E-MAIL darch@hfx.eastlink.ca

D8 AFFILIATION Davis Archaeological Consultants Limited

D9 HOW DID YOU FIND THE SITE?

Chance Find Map Or Chart Field Survey Historical Research Local Contacts Existing Site Records

Comments

D10 CONTACT'S NAME _____

D11 MAILING ADDRESS _____

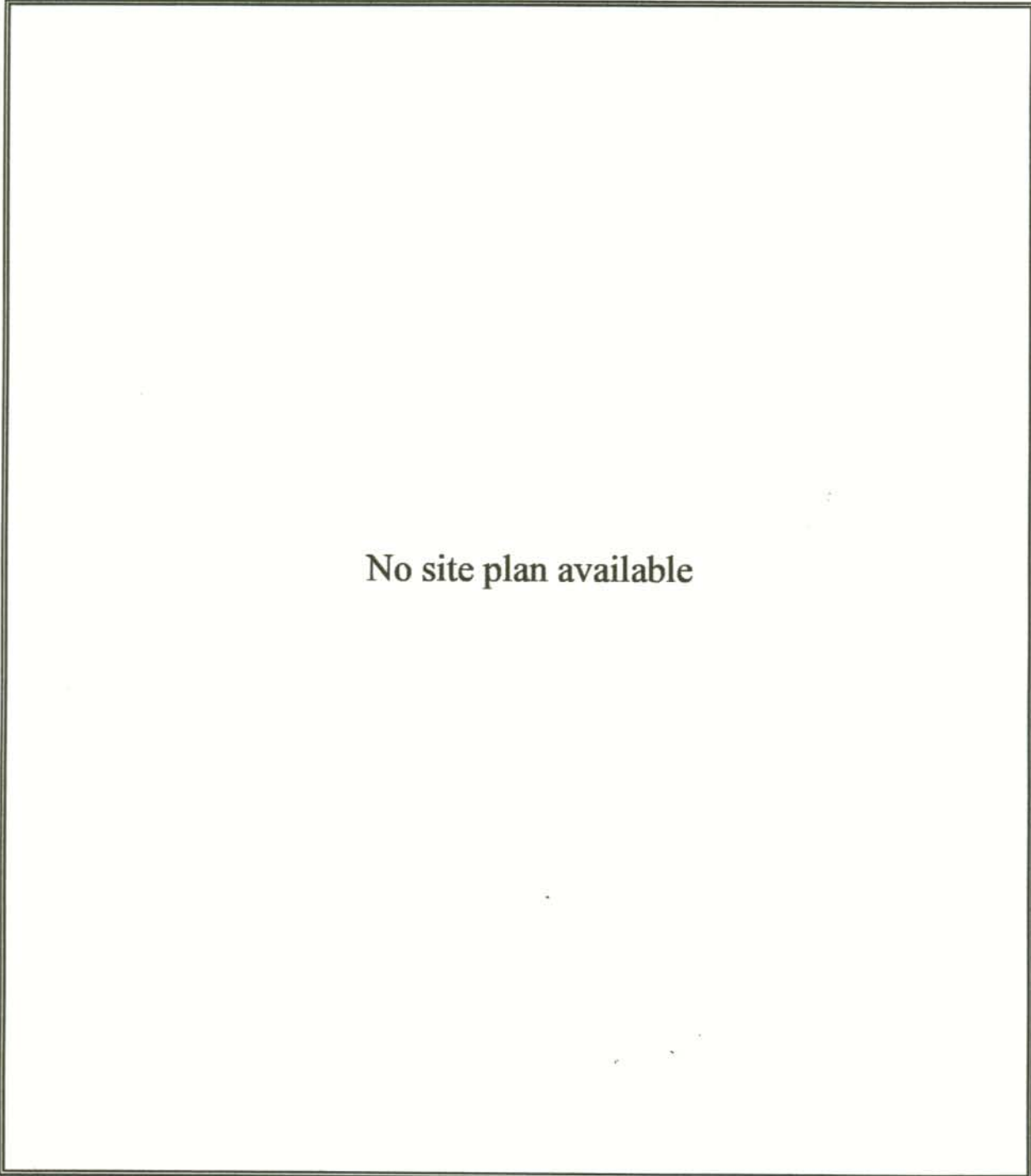
D12 POSTAL CODE _____

D13 PHONE (H) _____ D14 PHONE (W) _____

E

SITE PLAN

Please provide a drawing or sketch of the site, indicating prominent features, the orientation of the site and overall dimension, including artifact scatter fields. Relate the location of features in the Site Plan with features identified in the Site Access Map. Note the direction of true North and the scale of the plan.



- Extent of Site/Étendue du Site 
- Building/Édifice 
- Foundation/Fondation 
- Road/Chemin  
- Trail/Sentir 
- Railway/Voie Ferrée 
- Fence/Cloture 
- River-Creek/Rivière-Ruisseau 
- Steep Rise/Pente Abrupte 

1:50,000 Map No./Carte No. _____

True/Vrai []

Magnetic/Magnétique []

Date _____

Scale/Echelle 1cm=____m.

F. REMARKS

Several irregular-shaped depressions possibly associated with air shafts or surface prospecting all over island. Stone feature built of fieldstone on northwest side of island. North of it is a rectangular stone-lined feature. Fieldstone-lined well to the east, now dry. Four open cuts (surface mining) on northeast side of island. Modern refuse scattered throughout the area.

Mining activity (open pits or shafts) on northwest side of island on high ground above beach. Ceramic (white refined earthenware) and metal kettle on surface.

Deep depression on west side of island approximately 3 metres from shoreline, approximately 1 metre deep.

On west side of island, approximately 10 metres from shoreline, mortared stone (blasted) structure approximately 3 1/2 metres by 3 1/2 metres 1 1/2 metres high. Possible entrance on northwest end of feature. Fine-grade mortar. Built into a bank of glacial till on east side. Large pit to east of feature.

On northeast side of island, 4 metres from shoreline, there is a possible open cut.

MARITIME ARCHAEOLOGICAL RESOURCE INVENTORY

Date Form Filled Out
(YYYY/MM/DD)
2004-10-07

NB NS PEI

A. SITE NAME, LOCATION AND ACCESS

A1 SUGGESTED SITE NAME Sculpin Cove 4

A2 TEMPORARY SITE NUMBER A2004NS76-04

A3 PERMIT/LICENSE NUMBER A2004NS76

A4 PERMIT/LICENSE TYPE Category C

A5 WHEN DID YOU GATHER THE INFORMATION FOR THIS REPORT ?
2004-09-17 through 2004-10-19



A6 ADDITIONAL INFORMATION AND/OR RESOURCES:

	Submitted	Available
Video Footage	<input type="checkbox"/>	<input type="checkbox"/>
Maps / Plans	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Still Photos	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Drawings	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Archival Information	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Artifacts	<input type="checkbox"/>	<input type="checkbox"/>
Articles	<input type="checkbox"/>	<input type="checkbox"/>
Contacts	<input type="checkbox"/>	<input type="checkbox"/>
Other	<input type="checkbox"/>	<input type="checkbox"/>

A7 ACTIVITY

- a) Surface collecting
- b) Surface recording
- c) Site Revisit
- b) Subsurface testing
- c) Extensive excavation
- d) Monitoring
- e) Surveillance

A8 COUNTY Guysborough

A9 LOCATION DESCRIPTION

Located on Sculpin Point, Goldboro.

A10 LOCATION ACCESS

Travel along Highway 316 which leads southeast from Highway 104 in Antigonish. From the junction of Highway 211 in Stormont, travel 8 kilometres along Highway 316. On the southwest side of the road, a private driveway leads southwest to a modern residence. Between the house and barn, an overgrown road leads westward to Sculpin Cove. With the landowner's permission, travel this roadway to the end (shore). Travel along the shore for approximately 110 metres to a spit of land. The site is located on this spit.

A11 SITE LOCATION MAP NUMBER 11F04 (Attach photocopied section of NTS 1:50000 scale map and indicate the site location. Make sure that the map number is indicated. eg. 21H16).

Borden No. _____

A12 SITE ACCESS MAP NUMBER 11F04 (Attach photocopied section of a larger scale map and show your access route to the site location. Make sure that the map number and scale is indicated) Scale: _____

A13 SITE POSITION

UTM (eg. 20TKE 1447 5362) Zone 20N E 572353.45 N 5013531.9
Latitude 45 ° 16 ' 1762 N Longitude 61 ° 64 ' 3943 W

A14 METHOD(S) OF DETERMINING LOCATION and/or position.

Projection UTM Datum WGS84
GPS 1 Total Station _____
Differential GPS _____ Estimate from description _____
Map (scale =1: 50,000) _____
Aerial Photo (scale =1: 10,000) Other (please specify) _____

A15 SITE ELEVATION

Elevation 0 m. (A.S.L.) to 5 m. (A.S.L.)

A16 METHOD(S) OF DETERMINING ELEVATION

Projection UTM Datum NAD83
GPS _____ Total Station _____
Differential GPS _____ Geodetic Marker (# _____) _____
Map (scale =1: 50,000) Estimate from description _____
Aerial Photo (scale =1: 10,000) _____
Other (please specify) _____

A17 OTHER MAP(S)

A18 AERIAL PHOTO NUMBER(S) 98306 79

A19 PROPERTY IDENTIFIER NUMBER(S) _____

A20 PROPERTY TYPE Private _____ Federal Crown _____ Provincial Crown _____ First Nation Land _____ Unknown

A21 NEAREST FIRST NATION COMMUNITY (if applicable) N/A

Contacted? Yes _____ No

B. SITE ENVIRONMENT

B1 NATURAL REGION # (Provincial) 842 NATURAL REGION # (Federal) _____

B2 HABITAT DESCRIPTION (please check those appropriate)

Offshore		Freshwater	
1.1 Open Water	_____	3.1 Open-Water Lotic (Rivers and Streams)	_____
1.2 Benthic	_____	3.2 Open-Water Lentic (Lakes and Ponds)	_____
Coastal		3.3 Bottom Lotic (Rivers and Streams)	_____
2.1 Rocky Shore	_____	3.4 Bottom Lentic (Lakes and Ponds)	_____
2.2 Boulder/Cobble Shore	<input type="checkbox"/>	3.5 Water's Edge Lotic (Rivers and Streams)	_____
2.3 Sandy Shore	_____	3.6 Water's Edge Lentic (Lakes and Ponds)	_____
2.4 Mud Flat	_____	Freshwater Wetland	
2.5 Tidal Marsh	_____	4.1 Bog	_____
2.6 Dune System	_____	4.2 Fen	_____
Terrestrial Unforested		4.3 Swamp	_____
5.1 Barren	_____	4.4 Freshwater Marsh (Inland)	_____
5.2 Oldfield	_____	Forests	
5.3 Cliff and Bank	_____	6.1 Hardwood Forest	_____
5.4 Talus Slope	_____	6.2 Softwood Forest	_____
5.5 Cave	_____	6.3 Mixedwood Forest	_____

Additional Habitat Description On shoreline at Sculpin Cove. Lagoon to east. Low scrubby brush to east of feature.

C. SITE DESCRIPTION

C1 Period

Palaeo-Indian (> 9000 BP)	___	Contact (1500 - 1604)	___
Early/Middle Archaic (9000 - 6000 BP)	___	Colonial (1604 - 1867)	___
Late Archaic (6000 - 3000 BP)	___	Early Post-Confederation (1867 to 1950)	___
Maritime Woodland (3000 - 500 BP)	___		

Basis of identification

Unknown.

C2 TRADITION

Palaeo-Indian	___	Middle/Late Woodland	___	Jamaican Maroon	___
Early/Middle Maritime Archaic	___	Maliseet	___	Planter	___
Laurentian Archaic	___	Mi'kmaq	___	Loyalist	___
Shield Archaic	___	Passamaquoddy	___	Black Loyalist	___
Late Maritime Archaic	___	British	___	German	___
Susquehanna	___	French	___	Irish	___
Early Maritime Woodland	___	Acadian	___	Unspecified	___
		Scottish	___		
Other	_____				

C6 SITE FUNCTION

Aeroplane	___	General Activity	___	Religious/Sacred	___
Agricultural	___	Hunting & Gathering	___	Residence	___
Commercial	___	Manufacturing	___	Settlement	___
Construction	___	Military	___	Transportation	___
Extractive	___	Mining	___	Undetermined	___
Fishing	___	Miscellaneous	___	Vessel	___
Forestry	___				
		Other	_____		

C7 GENERAL SITE DESCRIPTION

Oval or rectangular depression, within 1 metre of shoreline. Depression is approximately 1 metre deep. south wall heavily impacted by marine erosion. Cobble and boulder collapse inside depression. Mounded on south side adjacent to shoreline.

C8 OBSERVED SITE DIMENSIONS Length 6 m Width 5 m

C9 ESTIMATED SITE DIMENSIONS Length 6 m Width 5 m

C10 DISTANCE TO WATER <1 m

C11 ORIENTATION TO WATER Perpendicular ___ Parallel ___ Not applicable ___

C12 DESTRUCTIVE AGENTS

	High		Medium		Low	
	Existing	Future	Existing	Future	Existing	Future
a <i>Natural</i>						
Marine Erosion	■	—	—	—	—	—
Lacustrine Erosion	—	—	—	—	—	—
Vegetation Growth	—	—	—	—	■	—
Bioturbation	—	—	—	—	—	—
b <i>Cultural</i>						
Agriculture	—	—	—	—	—	—
Construction	—	■	—	—	—	—
Transportation	—	—	—	—	—	—
Forestry	—	—	—	—	—	—
Mining/Quarrying	—	—	—	—	—	—
Dam/reservoir	—	—	—	—	—	—
Vandalism	—	—	—	—	—	—
Site Visitation	—	—	—	—	—	—
Military	—	—	—	—	—	—
Other	—	—	—	—	—	—

BASIS OF ASSESSMENT

Trees growing in and around feature. Substantial marine erosion on south side adjacent to shoreline. Site of future petrochemical plant.

D REPORTER INFORMATION

D1 REPORTER'S NAME April MacIntyre

D2 MAILING ADDRESS 6519 Oak Street, Halifax, NS D3 POSTAL CODE B3L 1H6

D4 PHONE (H) (902) 422-0801 D5 PHONE (W) (902) 444-2854

D6 FAX (902) 444-2854 D7 E-MAIL darch@hfx.eastlink.ca

D8 AFFILIATION Davis Archaeological Consultants Limited

D9 HOW DID YOU FIND THE SITE?

Chance Find Map Or Chart Field Survey Historical Research Local Contacts Existing Site Records

Comments

D10 CONTACT'S NAME _____

D11 MAILING ADDRESS _____

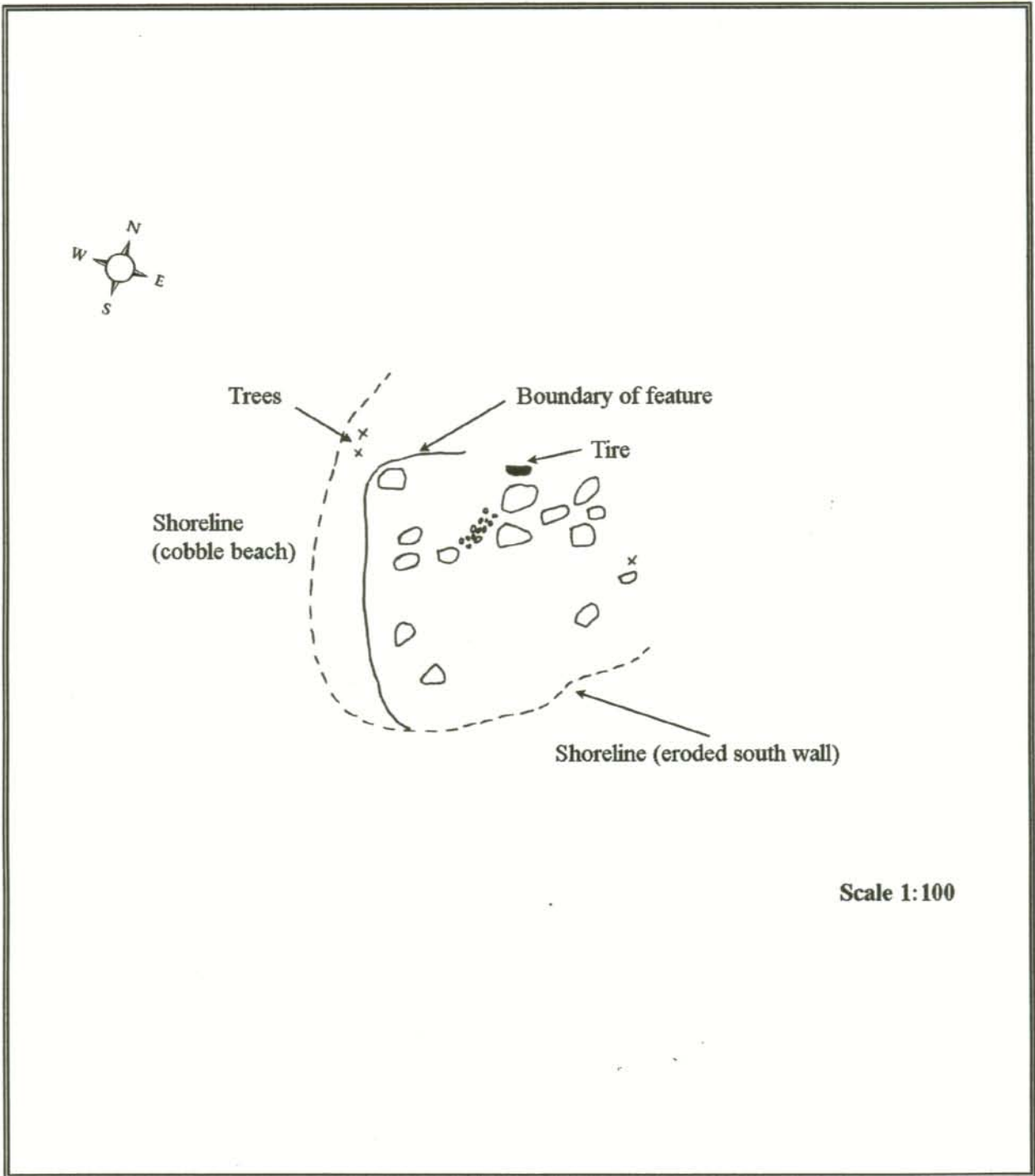
D12 POSTAL CODE _____

D13 PHONE (H) _____ D14 PHONE (W) _____

E

SITE PLAN

Please provide a drawing or sketch of the site, indicating prominent features, the orientation of the site and overall dimension, including artifact scatter fields. Relate the location of features in the Site Plan with features identified in the Site Access Map. Note the direction of true North and the scale of the plan.



Extent of Site/Étendue du Site	—————
Building/Édifice	■
Foundation/Fondation	□
Road/Chemin	=====
Trail/Sentir	-----
Railway/Voie Ferrée	+ + + + +
Fence/Cloture	-x-x-x-x-
River-Creek/Rivière-Ruisseau	~~~~~
Steep Rise/Pente Abrupte	

1:50,000 Map No./Carte No. _____

True/Vrai []

Magnetic/Magnétique []

Date _____

Scale/Echelle 1cm=___m.

F. REMARKS

Feature measurements:

5.30 metres (west wall)

4.90 metres (south wall)

Much of south wall is eroded from wave action. East wall appears to be truncated or obliterated by an unknown source. Car tire inside feature.

MARITIME ARCHAEOLOGICAL RESOURCE INVENTORY

Date Form Filled Out
(YYYY/MM/DD)
2004-10-07

NB NS PEI

A. SITE NAME, LOCATION AND ACCESS

A1 SUGGESTED SITE NAME Sculpin Cove 3

A2 TEMPORARY SITE NUMBER A2004NS76-03

A3 PERMIT/LICENSE NUMBER A2004NS76

A4 PERMIT/LICENSE TYPE Category C

A5 WHEN DID YOU GATHER THE INFORMATION FOR THIS REPORT ?
2004-09-17 through 2004-10-19



A6 ADDITIONAL INFORMATION AND/OR RESOURCES:

	Submitted	Available
Video Footage	<input type="checkbox"/>	<input type="checkbox"/>
Maps / Plans	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Still Photos	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Drawings	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Archival Information	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Artifacts	<input type="checkbox"/>	<input type="checkbox"/>
Articles	<input type="checkbox"/>	<input type="checkbox"/>
Contacts	<input type="checkbox"/>	<input type="checkbox"/>
Other	<input type="checkbox"/>	<input type="checkbox"/>

A7 ACTIVITY

- a) Surface collecting
- b) Surface recording
- c) Site Revisit
- b) Subsurface testing
- c) Extensive excavation
- d) Monitoring
- e) Surveillance

A8 COUNTY Guysborough

A9 LOCATION DESCRIPTION

Approximately 100 metres north of Sculpin Point adjacent to shoreline at Sculpin Cove, Goldboro.

A10 LOCATION ACCESS

Travel along Highway 316 which leads southeast from Highway 104 in Antigonish. From the junction of Highway 211 in Stormont, travel 8 kilometres along Highway 316. On the southwest side of the road, a private driveway leads southwest to a modern residence. Between the house and barn, an overgrown road leads westward to Sculpin Cove. With the landowner's permission, travel this roadway approximately 225 metres to the shoreline (you can also use the beach to reach the site). The site is located on the west side of the path.

A11 SITE LOCATION MAP NUMBER 11F04 (Attach photocopied section of NTS 1:50000 scale map and indicate the site location. Make sure that the map number is indicated. eg. 21H16).

Borden No.

A12 SITE ACCESS MAP NUMBER 11F04 (Attach photocopied section of a larger scale map and show your access route to the site location. Make sure that the map number and scale is indicated) Scale: _____

A13 SITE POSITION

UTM (eg. 20TKE 1447 5362) Zone 20N E 572485.05 N 5013971.0
Latitude 45 ° 16 ' 3180 N Longitude 61 ° 64 ' 3316 W

A14 METHOD(S) OF DETERMINING LOCATION and/or position.

Projection UTM Datum WGS84
GPS 1 Total Station _____
Differential GPS _____ Estimate from description _____
Map (scale =1: 50,000) _____
Aerial Photo (scale =1: 10,000) Other (please specify) _____

A15 SITE ELEVATION

Elevation 0 m. (A.S.L.) to 5 m. (A.S.L.)

A16 METHOD(S) OF DETERMINING ELEVATION

Projection UTM Datum NAD83
GPS _____ Total Station _____
Differential GPS _____ Geodetic Marker (# _____) _____
Map (scale =1: 50,000) Estimate from description _____
Aerial Photo (scale =1: 10,000) _____
Other (please specify) _____

A17 OTHER MAP(S)

A18 AERIAL PHOTO NUMBER(S) 98306 79

A19 PROPERTY IDENTIFIER NUMBER(S) _____

A20 PROPERTY TYPE Private Federal Crown Provincial Crown First Nation Land Unknown

A21 NEAREST FIRST NATION COMMUNITY (if applicable) N/A

Contacted? Yes No

B. SITE ENVIRONMENT

B1 NATURAL REGION # (Provincial) 842 NATURAL REGION # (Federal) _____

B2 HABITAT DESCRIPTION (please check those appropriate)

- | | | | |
|-------------------------------|-------------------------------------|---|--------------------------|
| Offshore | | Freshwater | |
| 1.1 Open Water | <input type="checkbox"/> | 3.1 Open-Water Lotic (Rivers and Streams) | <input type="checkbox"/> |
| 1.2 Benthic | <input type="checkbox"/> | 3.2 Open-Water Lentic (Lakes and Ponds) | <input type="checkbox"/> |
| Coastal | | 3.3 Bottom Lotic (Rivers and Streams) | <input type="checkbox"/> |
| 2.1 Rocky Shore | <input type="checkbox"/> | 3.4 Bottom Lentic (Lakes and Ponds) | <input type="checkbox"/> |
| 2.2 Boulder/Cobble Shore | <input checked="" type="checkbox"/> | 3.5 Water's Edge Lotic (Rivers and Streams) | <input type="checkbox"/> |
| 2.3 Sandy Shore | <input type="checkbox"/> | 3.6 Water's Edge Lentic (Lakes and Ponds) | <input type="checkbox"/> |
| 2.4 Mud Flat | <input type="checkbox"/> | Freshwater Wetland | |
| 2.5 Tidal Marsh | <input type="checkbox"/> | 4.1 Bog | <input type="checkbox"/> |
| 2.6 Dune System | <input type="checkbox"/> | 4.2 Fen | <input type="checkbox"/> |
| Terrestrial Unforested | | 4.3 Swamp | <input type="checkbox"/> |
| 5.1 Barren | <input type="checkbox"/> | 4.4 Freshwater Marsh (Inland) | <input type="checkbox"/> |
| 5.2 Oldfield | <input type="checkbox"/> | Forests | |
| 5.3 Cliff and Bank | <input type="checkbox"/> | 6.1 Hardwood Forest | <input type="checkbox"/> |
| 5.4 Talus Slope | <input type="checkbox"/> | 6.2 Softwood Forest | <input type="checkbox"/> |
| 5.5 Cave | <input type="checkbox"/> | 6.3 Mixedwood Forest | <input type="checkbox"/> |

Additional Habitat Description On shoreline at Sculpin Cove in stand of spruce trees. Low scrubby brush.

C. SITE DESCRIPTION

C1 Period

Palaeo-Indian (> 9000 BP)	___	Contact (1500 - 1604)	___
Early/Middle Archaic (9000 - 6000 BP)	___	Colonial (1604 - 1867)	■
Late Archaic (6000 - 3000 BP)	___	Early Post-Confederation (1867 to 1950)	___
Maritime Woodland (3000 - 500 BP)	___		

Basis of identification

Tree growth in and around feature is upwards of 100 years old. Considerable brush growth and soil accumulation in and around feature. No surface artifacts visible. Alders growing in and around feature.

C2 TRADITION

Palaeo-Indian	___	Middle/Late Woodland	___	Jamaican Maroon	___
Early/Middle Maritime Archaic	___	Maliseet	___	Planter	___
Laurentian Archaic	___	Mi'kmaq	___	Loyalist	___
Shield Archaic	___	Passamaquody	___	Black Loyalist	___
Late Maritime Archaic	___	British	___	German	___
Susquehanna	___	French	___	Irish	___
Early Maritime Woodland	___	Acadian	___	Unspecified	■
Other	___	Scottish	___		

C6 SITE FUNCTION

Aeroplane	___	General Activity	___	Religious/Sacred	___
Agricultural	___	Hunting & Gathering	___	Residence	___
Commercial	___	Manufacturing	___	Settlement	___
Construction	___	Military	___	Transportation	___
Extractive	___	Mining	___	Undetermined	■
Fishing	___	Miscellaneous	___	Vessel	___
Forestry	___	Other	___		

C7 GENERAL SITE DESCRIPTION

Oval or rectangular earthen depression, approximately 10 metres from shoreline. Depression is approximately 1 - 1 1/2 metres deep. Heavily overgrown. Large spruce tree growing on northwest side of feature, approximately 100 years old. Fieldstone scatter at south end of feature. Cobble collapse inside on east wall.

C8 OBSERVED SITE DIMENSIONS Length 6 m Width 4 m

C9 ESTIMATED SITE DIMENSIONS Length 6 m Width 4 m

C10 DISTANCE TO WATER 10 m

C11 ORIENTATION TO WATER Perpendicular ___ Parallel ■ Not applicable ___

C12 DESTRUCTIVE AGENTS

	High		Medium		Low	
	Existing	Future	Existing	Future	Existing	Future
a <i>Natural</i>						
Marine Erosion	---	---	---	---	---	---
Lacustrine Erosion	---	---	---	---	---	---
Vegetation Growth	---	---	■	---	---	---
Bioturbation	---	---	---	---	---	---
b <i>Cultural</i>						
Agriculture	---	---	---	---	---	---
Construction	---	■	---	---	---	---
Transportation	---	---	---	---	---	---
Forestry	---	---	---	---	---	---
Mining/Quarrying	---	---	---	---	---	---
Dam/reservoir	---	---	---	---	---	---
Vandalism	---	---	---	---	---	---
Site Visitation	---	---	---	---	---	---
Military	---	---	---	---	---	---
Other	---	---	---	---	---	---

BASIS OF ASSESSMENT

Trees growing in and around feature. Site of future petrochemical plant.

D REPORTER INFORMATION

D1 REPORTER'S NAME April MacIntyre

D2 MAILING ADDRESS 6519 Oak Street, Halifax, NS D3 POSTAL CODE B3L 1H6

D4 PHONE (H) (902) 422-0801 D5 PHONE (W) (902) 444-2854

D6 FAX (902) 444-2854 D7 E-MAIL darch@hfx.eastlink.ca

D8 AFFILIATION Davis Archaeological Consultants Limited

D9 HOW DID YOU FIND THE SITE?

Chance Find Map Or Chart Field Survey Historical Research Local Contacts Existing Site Records

Comments

D10 CONTACT'S NAME _____

D11 MAILING ADDRESS _____

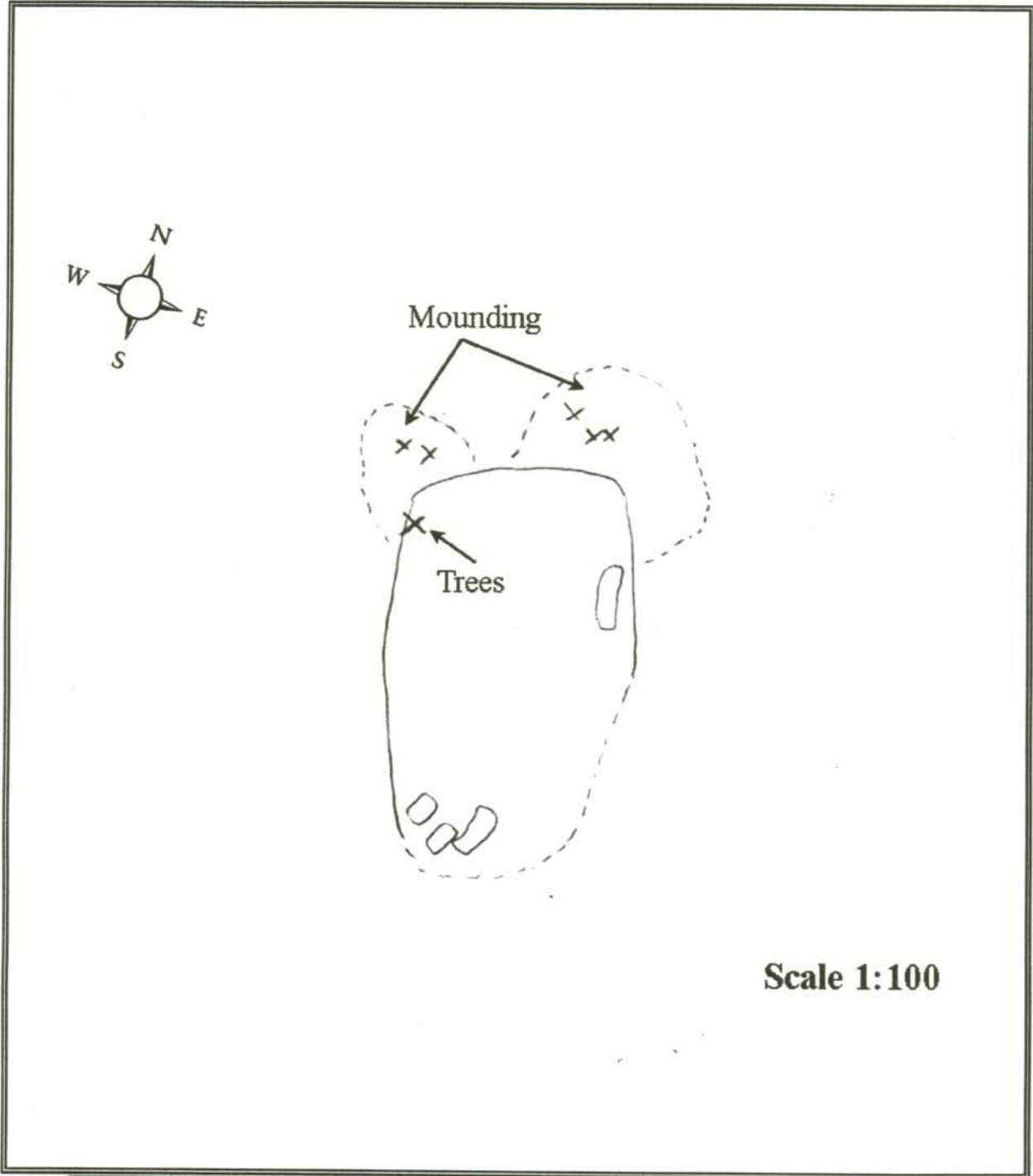
D12 POSTAL CODE _____

D13 PHONE (H) _____ D14 PHONE (W) _____










E

SITE PLAN

Please provide a drawing or sketch of the site, indicating prominent features, the orientation of the site and overall dimension, including artifact scatter fields. Relate the location of features in the Site Plan with features identified in the Site Access Map. Note the direction of true North and the scale of the plan.



Scale 1:100

- Extent of Site/Étendue du Site 
- Building/Édifice 
- Foundation/Fondation 
- Road/Chemin  
- Trail/Sentir 
- Railway/Vole Ferrée 
- Fence/Cloture 
- River-Creek/Rivière-Ruisseau 
- Steep Rise/Pente Abrupte 

1:50,000 Map No./Carte No. _____

True/Vrai []

Magnetic/Magnétique []

Date _____

Scale/Echelle 1cm=____m.

F. REMARKS

Feature measurements:

- 4.70 metres (east wall)
- 3.20 metres (north wall)
- 5.60 metres (west wall)
- 3.50 metres (south wall)

MARITIME ARCHAEOLOGICAL RESOURCE INVENTORY

Date Form Filled Out
(YYYY/MM/DD)
2004-10-07

NB NS PEI

A. SITE NAME, LOCATION AND ACCESS

A1 SUGGESTED SITE NAME Sculpin Cove 2

A2 TEMPORARY SITE NUMBER A2004NS76-02

A3 PERMIT/LICENSE NUMBER A2004NS76

A4 PERMIT/LICENSE TYPE Category C

A5 WHEN DID YOU GATHER THE INFORMATION FOR THIS REPORT ?
2004-09-17 through 2004-10-19



A6 ADDITIONAL INFORMATION AND/OR RESOURCES:

	Submitted	Available
Video Footage	<input type="checkbox"/>	<input type="checkbox"/>
Maps / Plans	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Still Photos	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Drawings	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Archival Information	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Artifacts	<input type="checkbox"/>	<input type="checkbox"/>
Articles	<input type="checkbox"/>	<input type="checkbox"/>
Contacts	<input type="checkbox"/>	<input type="checkbox"/>
Other	<input type="checkbox"/>	<input type="checkbox"/>

A7 ACTIVITY

- a) Surface collecting
- b) Surface recording
- c) Site Revisit
- b) Subsurface testing
- c) Extensive excavation
- d) Monitoring
- e) Surveillance

A8 COUNTY Guysborough

A9 LOCATION DESCRIPTION

Approximately 125 metres north of Sculpin Point adjacent to shoreline at Sculpin Cove, Goldboro.

A10 LOCATION ACCESS

Travel along Highway 316 which leads southeast from Highway 104 in Antigonish. From the junction of Highway 211 in Stormont, travel 8 kilometres along Highway 316. On the southwest side of the road, a private driveway leads southwest to a modern residence. Between the house and barn, an overgrown road leads westward to Sculpin Cove. With the landowner's permission, travel this roadway approximately 200 metres to the shoreline (you can also use the beach to reach the site). The site is located on the west side of the path.

A11 SITE LOCATION MAP NUMBER 11F04 (Attach photocopied section of NTS 1:50000 scale map and indicate the site location. Make sure that the map number is indicated. eg. 21H16).

Borden No. _____

A12 SITE ACCESS MAP NUMBER 11F04 (Attach photocopied section of a larger scale map and show your access route to the site location. Make sure that the map number and scale is indicated) Scale: _____

A13 SITE POSITION
UTM (eg. 20TKE 1447 5362) Zone 20N E 572491.97 N 5014014.3
Latitude 45 16 3320 N Longitude 64 32 8200 W

A14 METHOD(S) OF DETERMINING LOCATION and/or position.
Projection UTM Datum WGS84
GPS 1 Total Station _____
Differential GPS _____ Estimate from description _____
Map (scale =1: 50,000) _____
Aerial Photo (scale =1: 10,000) Other (please specify) _____

A15 SITE ELEVATION
Elevation 0 m. (A.S.L.) to 5 m. (A.S.L.)

A16 METHOD(S) OF DETERMINING ELEVATION
Projection UTM Datum NAD83
GPS _____ Total Station _____
Differential GPS _____ Geodetic Marker (# _____) _____
Map (scale =1: 50,000) Estimate from description _____
Aerial Photo (scale =1: 10,000) _____
Other (please specify) _____

A17 OTHER MAP(S) _____

A18 AERIAL PHOTO NUMBER(S) 98306 79

A19 PROPERTY IDENTIFIER NUMBER(S) _____

A20 PROPERTY TYPE Private Federal Crown Provincial Crown First Nation Land Unknown

A21 NEAREST FIRST NATION COMMUNITY (if applicable) N/A
Contacted? Yes No

B. SITE ENVIRONMENT

B1 NATURAL REGION # (Provincial) 842 NATURAL REGION # (Federal) _____

B2 HABITAT DESCRIPTION (please check those appropriate)

- | | | | |
|-------------------------------|--------------------------|---|--------------------------|
| Offshore | | Freshwater | |
| 1.1 Open Water | <input type="checkbox"/> | 3.1 Open-Water Lotic (Rivers and Streams) | <input type="checkbox"/> |
| 1.2 Benthic | <input type="checkbox"/> | 3.2 Open-Water Lentic (Lakes and Ponds) | <input type="checkbox"/> |
| | | 3.3 Bottom Lotic (Rivers and Streams) | <input type="checkbox"/> |
| Coastal | | 3.4 Bottom Lentic (Lakes and Ponds) | <input type="checkbox"/> |
| 2.1 Rocky Shore | <input type="checkbox"/> | 3.5 Water's Edge Lotic (Rivers and Streams) | <input type="checkbox"/> |
| 2.2 Boulder/Cobble Shore | <input type="checkbox"/> | 3.6 Water's Edge Lentic (Lakes and Ponds) | <input type="checkbox"/> |
| 2.3 Sandy Shore | <input type="checkbox"/> | | |
| 2.4 Mud Flat | <input type="checkbox"/> | Freshwater Wetland | <input type="checkbox"/> |
| 2.5 Tidal Marsh | <input type="checkbox"/> | 4.1 Bog | <input type="checkbox"/> |
| 2.6 Dune System | <input type="checkbox"/> | 4.2 Fen | <input type="checkbox"/> |
| | | 4.3 Swamp | <input type="checkbox"/> |
| | | 4.4 Freshwater Marsh (Inland) | <input type="checkbox"/> |
| Terrestrial Unforested | | Forests | <input type="checkbox"/> |
| 5.1 Barren | <input type="checkbox"/> | 6.1 Hardwood Forest | <input type="checkbox"/> |
| 5.2 Oldfield | <input type="checkbox"/> | 6.2 Softwood Forest | <input type="checkbox"/> |
| 5.3 Cliff and Bank | <input type="checkbox"/> | 6.3 Mixedwood Forest | <input type="checkbox"/> |
| 5.4 Talus Slope | <input type="checkbox"/> | | |
| 5.5 Cave | <input type="checkbox"/> | | |

Additional Habitat Description On shoreline at Sculpin Cove in stand of spruce trees. Low scrubby brush.

C. SITE DESCRIPTION

C1 Period

Palaeo-Indian (> 9000 BP)	<input type="checkbox"/>	Contact (1500 - 1604)	<input type="checkbox"/>
Early/Middle Archaic (9000 - 6000 BP)	<input type="checkbox"/>	Colonial (1604 - 1867)	<input checked="" type="checkbox"/>
Late Archaic (6000 - 3000 BP)	<input type="checkbox"/>	Early Post-Confederation (1867 to 1950)	<input type="checkbox"/>
Maritime Woodland (3000 - 500 BP)	<input type="checkbox"/>		

Basis of identification

Tree growth in and around feature is approximately 60-70 years old. Considerable brush growth and soil accumulation in and around feature. No surface artifacts visible.

C2 TRADITION

Palaeo-Indian	<input type="checkbox"/>	Middle/Late Woodland	<input type="checkbox"/>	Jamaican Maroon	<input type="checkbox"/>
Early/Middle Maritime Archaic	<input type="checkbox"/>	Maliseet	<input type="checkbox"/>	Planter	<input type="checkbox"/>
Laurentian Archaic	<input type="checkbox"/>	Mi'kmaq	<input type="checkbox"/>	Loyalist	<input type="checkbox"/>
Shield Archaic	<input type="checkbox"/>	Passamaquoddy	<input type="checkbox"/>	Black Loyalist	<input type="checkbox"/>
Late Maritime Archaic	<input type="checkbox"/>	British	<input type="checkbox"/>	German	<input type="checkbox"/>
Susquehanna	<input type="checkbox"/>	French	<input type="checkbox"/>	Irish	<input type="checkbox"/>
Early Maritime Woodland	<input type="checkbox"/>	Acadian	<input type="checkbox"/>	Unspecified	<input checked="" type="checkbox"/>
Other	<input type="checkbox"/>	Scottish	<input type="checkbox"/>		

C6 SITE FUNCTION

Aeroplane	<input type="checkbox"/>	General Activity	<input type="checkbox"/>	Religious/Sacred	<input type="checkbox"/>
Agricultural	<input type="checkbox"/>	Hunting & Gathering	<input type="checkbox"/>	Residence	<input type="checkbox"/>
Commercial	<input type="checkbox"/>	Manufacturing	<input type="checkbox"/>	Settlement	<input type="checkbox"/>
Construction	<input type="checkbox"/>	Military	<input type="checkbox"/>	Transportation	<input type="checkbox"/>
Extractive	<input type="checkbox"/>	Mining	<input type="checkbox"/>	Undetermined	<input checked="" type="checkbox"/>
Fishing	<input type="checkbox"/>	Miscellaneous	<input type="checkbox"/>	Vessel	<input type="checkbox"/>
Forestry	<input type="checkbox"/>	Other	<input type="checkbox"/>		

C7 GENERAL SITE DESCRIPTION

Oval or rectangular depression, approximately 8 metres from shoreline. Depression is approximately 1 - 1 1/2 metres deep. Heavily overgrown. Obscured on west side by bushes.

C8 OBSERVED SITE DIMENSIONS Length 6 m Width 3 m

C9 ESTIMATED SITE DIMENSIONS Length 6 m Width 3 m

C10 DISTANCE TO WATER 8 m

C11 ORIENTATION TO WATER Perpendicular Parallel Not applicable

C-12 DESTRUCTIVE AGENTS

	High		Medium		Low	
	Existing	Future	Existing	Future	Existing	Future
a <i>Natural</i>						
Marine Erosion	---	---	---	---	---	---
Lacustrine Erosion	---	---	---	---	---	---
Vegetation Growth	---	---	■	---	---	---
Bioturbation	---	---	---	---	---	---
b <i>Cultural</i>						
Agriculture	---	---	---	---	---	---
Construction	---	■	---	---	---	---
Transportation	---	---	---	---	---	---
Forestry	---	---	---	---	---	---
Mining/Quarrying	---	---	---	---	---	---
Dam/reservoir	---	---	---	---	---	---
Vandalism	---	---	---	---	---	---
Site Visitation	---	---	---	---	---	---
Military	---	---	---	---	---	---
Other	---	---	---	---	---	---

BASIS OF ASSESSMENT

Trees growing in and around feature. Site of future petrochemical plant.

D REPORTER INFORMATION

D1 REPORTER'S NAME April MacIntyre

D2 MAILING ADDRESS 6519 Oak Street, Halifax, NS D3 POSTAL CODE B3L 1H6

D4 PHONE (H) (902) 422-0801 D5 PHONE (W) (902) 444-2854

D6 FAX (902) 444-2854 D7 E-MAIL darch@hfx.eastlink.ca

D8 AFFILIATION Davis Archaeological Consultants Limited

D9 HOW DID YOU FIND THE SITE?

Chance Find Map Or Chart Field Survey Local Contacts

Historical Research Existing Site Records

Comments

D10 CONTACT'S NAME _____

D11 MAILING ADDRESS _____

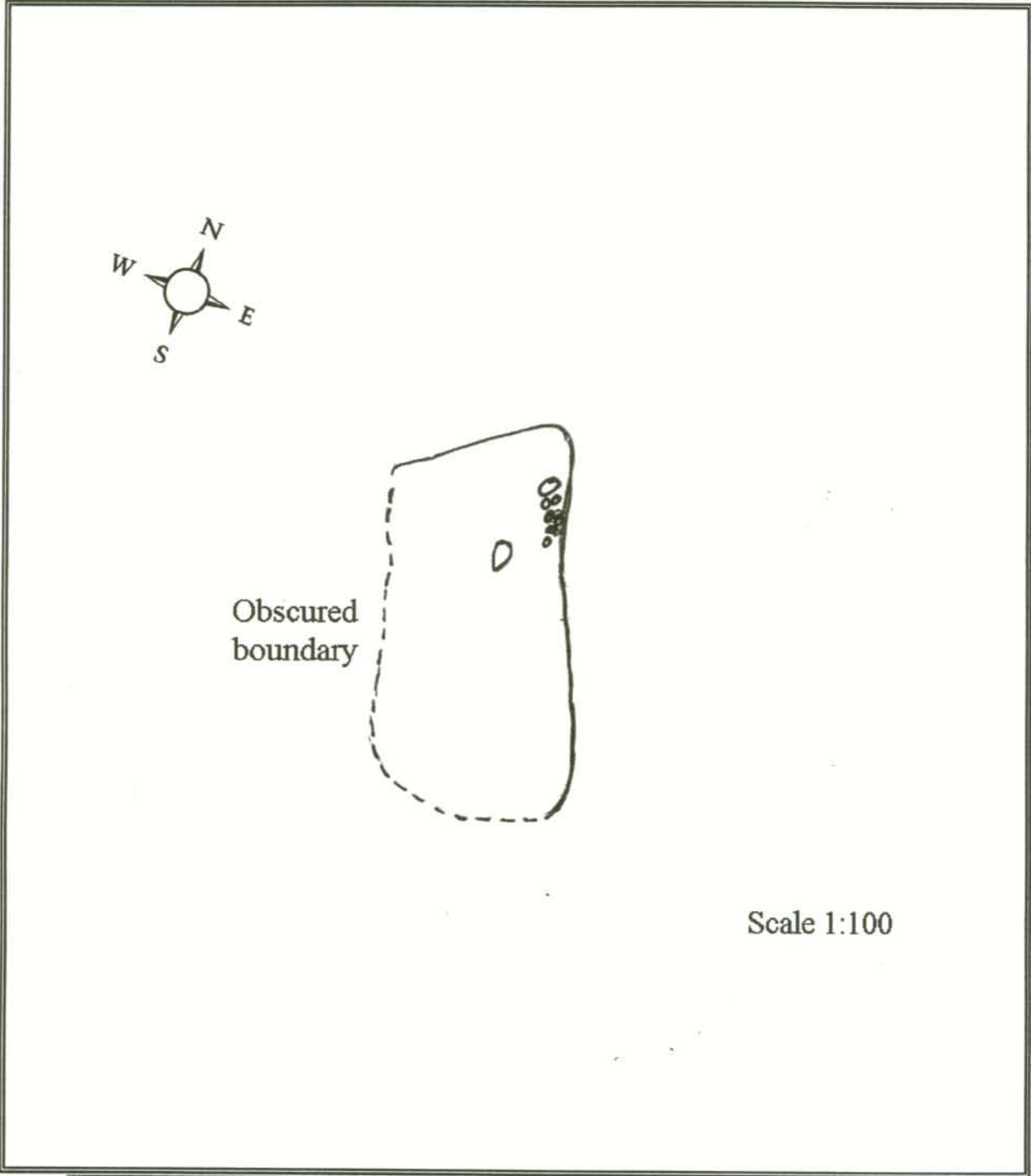
D12 POSTAL CODE _____

D13 PHONE (H) _____ D14 PHONE (W) _____

E

SITE PLAN

Please provide a drawing or sketch of the site, indicating prominent features, the orientation of the site and overall dimension, including artifact scatter fields. Relate the location of features in the Site Plan with features identified in the Site Access Map. Note the direction of true North and the scale of the plan.



- Extent of Site/Étendue du Site
- Building/Édifice
- Foundation/Fondation
- Road/Chemin
- Trail/Sentir
- Railway/Voie Ferrée
- Fence/Cloture
- River-Creek/Rivière-Ruisseau
- Steep Rise/Pente Abrupte

1:50,000 Map No./Carte No. _____

True/Vrai []

Magnetic/Magnetique []

Date _____

Scale/Echelle 1cm=____m.

F. REMARKS

Feature measurements:

- 5.10 metres (east wall)
- 2.15 metres (north wall)
- 4.20 metres (west wall)
- 2.60 metres (south wall)

Poorly defined boundaries due to brush growth around exterior of feature. Feature is located approximately 25 metres south of Sculpin Cove 1 site. Approximately 10 metres south of Sculpin Cove 2 site is a section of coiled up wire fencing with decayed wooden posts attached.

MARITIME ARCHAEOLOGICAL RESOURCE INVENTORY

Date Form Filled Out
(YYYY/MM/DD)
2004-10-26

NB NS PEI

A. SITE NAME, LOCATION AND ACCESS

A1 SUGGESTED SITE NAME South Mulgrave Lead

A2 TEMPORARY SITE NUMBER A2004NS76-12

A3 PERMIT/LICENSE NUMBER A2004NS76

A4 PERMIT/LICENSE TYPE Category C

A5 WHEN DID YOU GATHER THE INFORMATION FOR THIS REPORT ?
2004-09-17 through 2004-10-29



A6 ADDITIONAL INFORMATION AND/OR RESOURCES:

	Submitted	Available
Video Footage	—	—
Maps / Plans	<input checked="" type="checkbox"/>	—
Still Photos	<input checked="" type="checkbox"/>	—
Drawings	<input checked="" type="checkbox"/>	—
Archival Information	—	<input checked="" type="checkbox"/>
Artifacts	—	—
Articles	—	—
Contacts	—	—
Other	—	—

A7 ACTIVITY

- a) Surface collecting
- b) Surface recording
- c) Site Revisit
- b) Subsurface testing
- c) Extensive excavation
- d) Monitoring
- e) Surveillance

A8 COUNTY Guysborough

A9 LOCATION DESCRIPTION

Located approximately 450 metres NNW of Sable Road and 300 metres east of Highway 316 adjacent to the original Sable Road in Goldboro.

A10 LOCATION ACCESS

Travel along Hwy 316 which leads southeast from Hwy 104 in Antigonish. From the junction of Hwy 211 in Stormont, travel approximately 9 kms along Hwy 316 to Sable Road. Travel north east along Sable Road for approximately 500 metres. On the north side of the road, an old roadway leads NNW and joins with a second roadway running perpendicular. Travel NW along this second roadway for approximately 300 metres. The site is located on the north side of the roadway here.

A11 SITE LOCATION MAP NUMBER 11F04 (Attach photocopied section of NTS 1:50000 scale map and indicate the site location. Make sure that the map number is indicated. eg. 21H16).

Borden No. _____

A12 SITE ACCESS MAP NUMBER 11F04 (Attach photocopied section of a larger scale map and show your access route to the site location. Make sure that the map number and scale is indicated) Scale: _____

A13 SITE POSITION

UTM (eg. 20TKE 1447 5362) Zone 20N E 572661.93 N 5015057.3
Latitude 45 ° 17 ' 0693 N Longitude 61 ° 63 ' 8447 W

A14 METHOD(S) OF DETERMINING LOCATION and/or position.

Projection UTM Datum WGS84
GPS 1 Total Station _____
Differential GPS _____ Estimate from description _____
Map (scale =1: 50,000) _____
Aerial Photo (scale =1: 10,000) Other (please specify) _____

A15 SITE ELEVATION

Elevation 50 m. (A.S.L.) to 75 m. (A.S.L.)

A16 METHOD(S) OF DETERMINING ELEVATION

Projection UTM Datum NAD83
GPS _____ Total Station _____
Differential GPS _____ Geodetic Marker (# _____) _____
Map (scale =1: 50,000) Estimate from description _____
Aerial Photo (scale =1: 10,000) _____
Other (please specify) _____

A17 OTHER MAP(S)

A18 AERIAL PHOTO NUMBER(S) 98306 79

A19 PROPERTY IDENTIFIER NUMBER(S) _____

A20 PROPERTY TYPE Private _____ Federal Crown _____ Provincial Crown _____ First Nation Land _____ Unknown

A21 NEAREST FIRST NATION COMMUNITY (if applicable) N/A

Contacted? Yes _____ No

B. SITE ENVIRONMENT

B1 NATURAL REGION # (Provincial) 842 NATURAL REGION # (Federal) _____

B2 HABITAT DESCRIPTION (please check those appropriate)

Offshore

1.1 Open Water _____
1.2 Benthic _____

Coastal

2.1 Rocky Shore _____
2.2 Boulder/Cobble Shore _____
2.3 Sandy Shore _____
2.4 Mud Flat _____
2.5 Tidal Marsh _____
2.6 Dune System _____

Terrestrial Unforested

5.1 Barren _____
5.2 Oldfield _____
5.3 Cliff and Bank _____
5.4 Talus Slope _____
5.5 Cave _____

Freshwater

3.1 Open-Water Lotic (Rivers and Streams) _____
3.2 Open-Water Lentic (Lakes and Ponds) _____
3.3 Bottom Lotic (Rivers and Streams) _____
3.4 Bottom Lentic (Lakes and Ponds) _____
3.5 Water's Edge Lotic (Rivers and Streams) _____
3.6 Water's Edge Lentic (Lakes and Ponds) _____

Freshwater Wetland

4.1 Bog _____
4.2 Fen _____
4.3 Swamp
4.4 Freshwater Marsh (Inland) _____

Forests

6.1 Hardwood Forest _____
6.2 Softwood Forest _____
6.3 Mixedwood Forest

Additional Habitat Description Adjacent to swamp in wooded area. Spruce, black spruce, and alders.

C. SITE DESCRIPTION

C1 Period

Palaeo-Indian (> 9000 BP)	<input type="checkbox"/>	Contact (1500 - 1604)	<input type="checkbox"/>
Early/Middle Archaic (9000 - 6000 BP)	<input type="checkbox"/>	Colonial (1604 - 1867)	<input checked="" type="checkbox"/>
Late Archaic (6000 - 3000 BP)	<input type="checkbox"/>	Early Post-Confederation (1867 to 1950)	<input type="checkbox"/>
Maritime Woodland (3000 - 500 BP)	<input type="checkbox"/>		

Basis of identification

Historical documents.

C2 TRADITION

Palaeo-Indian	<input type="checkbox"/>	Middle/Late Woodland	<input type="checkbox"/>	Jamaican Maroon	<input type="checkbox"/>
Early/Middle Maritime Archaic	<input type="checkbox"/>	Maliseet	<input type="checkbox"/>	Planter	<input type="checkbox"/>
Laurentian Archaic	<input type="checkbox"/>	Mi'kmaq	<input type="checkbox"/>	Loyalist	<input type="checkbox"/>
Shield Archaic	<input type="checkbox"/>	Passamaquoddy	<input type="checkbox"/>	Black Loyalist	<input type="checkbox"/>
Late Maritime Archaic	<input type="checkbox"/>	British	<input type="checkbox"/>	German	<input type="checkbox"/>
Susquehanna	<input type="checkbox"/>	French	<input type="checkbox"/>	Irish	<input type="checkbox"/>
Early Maritime Woodland	<input type="checkbox"/>	Acadian	<input type="checkbox"/>	Unspecified	<input checked="" type="checkbox"/>
		Scottish	<input type="checkbox"/>		
Other	<input type="checkbox"/>				

C6 SITE FUNCTION

Aeroplane	<input type="checkbox"/>	General Activity	<input type="checkbox"/>	Religious/Sacred	<input type="checkbox"/>
Agricultural	<input type="checkbox"/>	Hunting & Gathering	<input type="checkbox"/>	Residence	<input type="checkbox"/>
Commercial	<input type="checkbox"/>	Manufacturing	<input type="checkbox"/>	Settlement	<input type="checkbox"/>
Construction	<input type="checkbox"/>	Military	<input type="checkbox"/>	Transportation	<input type="checkbox"/>
Extractive	<input type="checkbox"/>	Mining	<input checked="" type="checkbox"/>	Undetermined	<input type="checkbox"/>
Fishing	<input type="checkbox"/>	Miscellaneous	<input type="checkbox"/>	Vessel	<input type="checkbox"/>
Forestry	<input type="checkbox"/>	Other	<input type="checkbox"/>		

C7 GENERAL SITE DESCRIPTION

Stone crusher piles adjacent to swamp on east and west sides. On west side of swamp, modern refuse adjacent to open mine shaft. On east side of swamp, modern disturbance from site visitation and Dept of Natural Resources signs warning of open holes.

C8 OBSERVED SITE DIMENSIONS Length 100 m Width 15 m

C9 ESTIMATED SITE DIMENSIONS Length 100 m Width 15 m

C10 DISTANCE TO WATER 400 m

C11 ORIENTATION TO WATER Perpendicular Parallel Not applicable

C12 DESTRUCTIVE AGENTS

	High		Medium		Low	
	Existing	Future	Existing	Future	Existing	Future
a <i>Natural</i>						
Marine Erosion	—	—	—	—	—	—
Lacustrine Erosion	—	—	—	—	—	—
Vegetation Growth	—	—	—	—	—	—
Bioturbation	—	—	—	—	—	—
b <i>Cultural</i>						
Agriculture	—	—	—	—	—	—
Construction	—	■	—	—	—	—
Transportation	—	—	—	—	—	—
Forestry	—	—	—	—	—	—
Mining/Quarrying	—	—	—	—	—	—
Dam/reservoir	—	—	—	—	—	—
Vandalism	—	—	—	—	—	—
Site Visitation	—	—	■	—	—	—
Military	—	—	—	—	—	—
Other	—	—	—	—	—	—

BASIS OF ASSESSMENT

Modern dumping on west end of site. Levelling of stone crusher piles on east side of swamp. Site of future petrochemical plant.

D REPORTER INFORMATION

D1 REPORTER'S NAME April MacIntyre

D2 MAILING ADDRESS 6519 Oak Street, Halifax, NS D3 POSTAL CODE B3L 1H6

D4 PHONE (H) (902) 422-0801 D5 PHONE (W) (902) 444-2854

D6 FAX (902) 444-2854 D7 E-MAIL darch@hfx.eastlink.ca

D8 AFFILIATION Davis Archaeological Consultants Limited

D9 HOW DID YOU FIND THE SITE?

Chance Find Map Or Chart — Field Survey Historical Research ■ Local Contacts Existing Site Records —

Comments

D10 CONTACT'S NAME _____

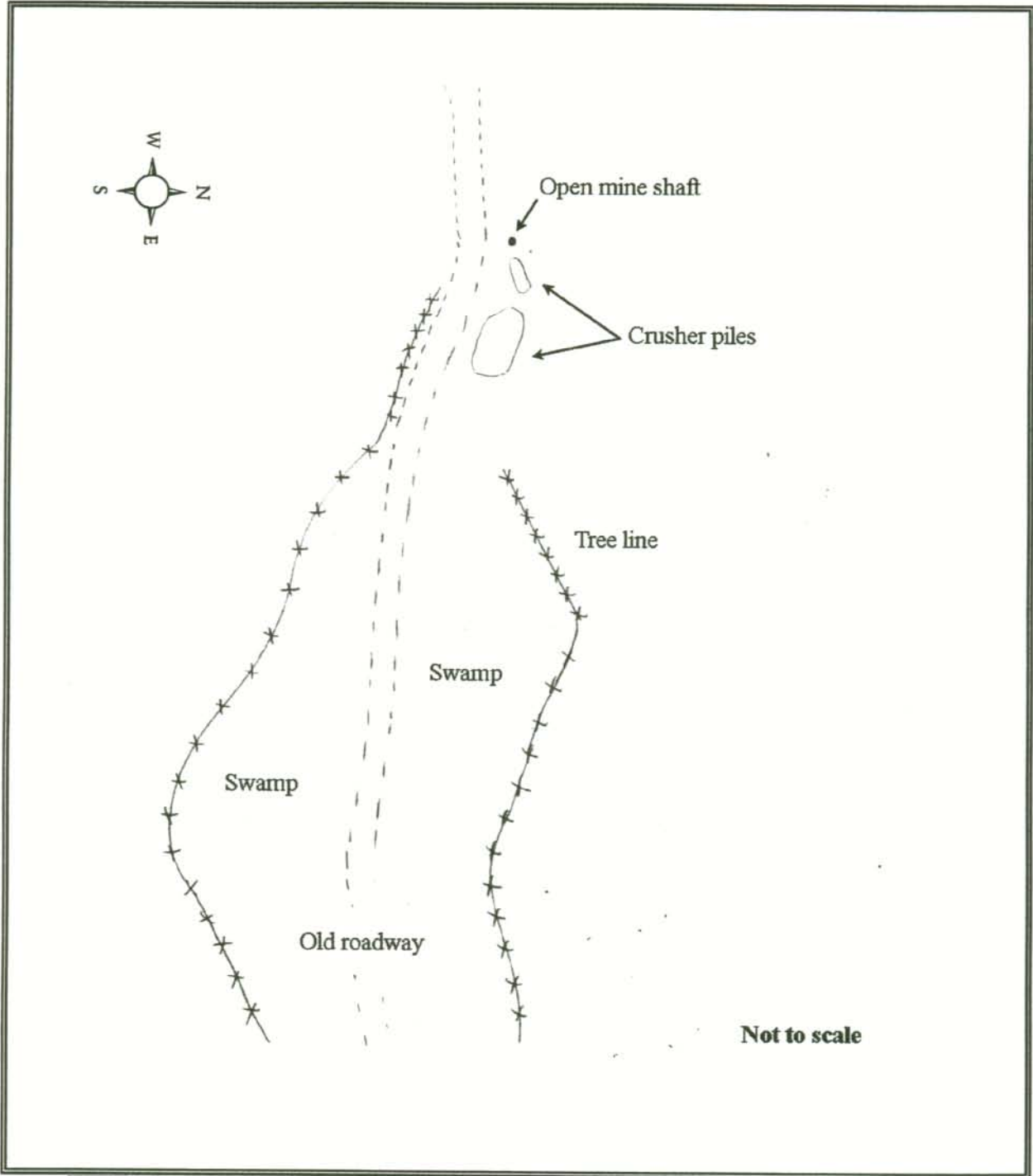
D11 MAILING ADDRESS _____

D12 POSTAL CODE _____

D13 PHONE (H) _____ D14 PHONE (W) _____

E SITE PLAN

Please provide a drawing or sketch of the site, indicating prominent features, the orientation of the site and overall dimension, including artifact scatter fields. Relate the location of features in the Site Plan with features identified in the Site Access Map. Note the direction of true North and the scale of the plan.



- Extent of Site/Étendue du Site
- Building/Édifice
- Foundation/Fondation
- Road/Chemin
- Trail/Sentir
- Railway/Voie Ferrée
- Fence/Cloture
- River-Creek/Rivière-Ruisseau
- Steep Rise/Pente Abrupte

1:50,000 Map No./Carte No. _____

True/Vrai []

Magnetic/Magnétique []

Date _____

Scale/Echelle 1cm= _____ m.

F. REMARKS

Modern refuse on west end of site includes cars and car parts, plastic bottles, tin cans, etc. Open mine shaft adjacent to the refuse, approximately 30-40 metres deep, still structural elements inside (wooden braces and beams). On east side of swamp, found mid to late 19th century black bottle glass fragments including finish and base, light green partial bottle base, four-holed glass button, and unglazed white ceramics.

**APPENDIX C:
Field Notes & Photographic Record**

Field Notes
April D. MacIntyre

Monday, 4 October 2004:

Arrived at Red Head after lunch. Crew: myself, Laird, Nancy, Nicole, and Greg.

Found an old roadway that leads us into Dung Cove from the Highway. Walked along the beach northward toward Red Head. Cobble beach. Lots of milky and crystalline quartz cobbles along beach. Erosion of shoreline at Dung Cove. Checked the exposed soils for artifacts and found none. Also large mussels and crab along the beach. Seals in the harbour.

Dung Cove is likely spot for pulling in boats. It is the most sandy spot and also the most sheltered on this side of the peninsula.

Cove between Dung Cove and Webbs Cove (Sculpin Cove) looks suitable for precontact presence. Sheltered cove, high ground above water. Ocean is accessible by narrow spit of land that juts out on north side of cove.

Did a quick site visit at Red Head to establish what had been tested and what needs to be looked at. On east side of headland near the tree line, an area about 4 m wide by 2 m will be pulled back toward the tree line to expose the soil beneath the sod. Needs to be taken down to a depth of about 20 cm to see any evidence of grave shafts.

On the south side of headland, an area about 4 m out from previous testing will be stripped away.

Along the old roadway leading to Dung Cove, evidence of mining (large quarry pits) on both sides of roadway. Nothing structural evident. Modern midden about 30 m in from highway on southeast side of road – hair dryer, bicycle parts, etc.

Laird took us to a site on the south side of Sable Road approximately 500 m up the road which he recorded on a previous contract. It is accessed by an old roadway which was flagged with orange tape, approximately 250 m in along the roadway. Mining site (Skunk Den Mine). Large crusher piles and rusted iron cylindrical pipe (3/4 m diameter) on site. Site extend for approximately 20 m and includes several crusher piles. Coarse-grade fire bricks present. Swamp to north of site.

Tuesday, 5 October 2004:

Arrived at Red Head. Starting to test today. First order is to set up a tarp at the edge of the trees to store our gear since it is raining.

Starting clearing 2 m wide strip just west of the tree line, east of where 2001 excavations left off (east of Rows 2 and 5). Stripped off sod and dug down approximately 20 cm. soil underneath was very mottled: orange, grey/white, black organic, red brown in west

half. In east half, soil was predominantly red/brown silty loam with yellow/cream colored soil in northeast corner. Laird believes this is one of the graves (R5-8) that he dug in 2001. Expanded clearing eastward toward trees. Soil change extends to this area and is very obvious – surrounded by brown fine silty loam. Shape is not quite rectangular.

Showing intermittently all morning. Stopped for brief lunch at 12:20 and got back to work quickly to keep warm.

Stripped off more sod to northeast of R5-8 after lunch. By 1:45, rain started to come down heavy. Packed things up for the day and hoped the rain would not obscure the soil changes.

Wednesday, 6 October 2004:

Arrived at Red Head at 9:20. Sunny but cool (4°C). Exposed soil from yesterday's excavation is well drained but delineation of soil change is poor due to heavy rain.

Continuing northward today 1 m west of tree line. Nancy, Nicole, and Greg continued this while Laird and I started clearing a 2 m wide strip southwest of this perpendicular to it at the hilltop.

1:20 In north end of north-south trench (parallel to tree line), there is a significant amount of charcoal which extends northward beyond the trench. Mottled red, grey/white, orange/brown surrounding matrix. Nicole dug through it but it soon disappeared about 5 cm beyond.

Nicole, Nancy, and I opened up another 2 m wide strip at the southeast end of the hilltop and found no additional graves. Laird and Greg mapped the excavation units.

Over the past 2 days, we have tested along the tree line beyond the east end of the 2001 excavations. We have also tested along the southeast end about 5 metres beyond the 2001 excavations and have found no evidence of additional graves. Headed out at 4:00.

Thursday, 7 October 2004:

Broke into 2 groups this morning and Laird and Greg surveyed the west side of the peninsula while Nancy, Nicole, and I did the east side.

9:55 Headed to Webbs Cove. On high ground above Dung Cove lagoon, found a wooden tiller with spoked iron wheels in trees. Stone field clearing pile 3 m south of it.

On high ground above Dung Cove, east of Red Head we came into a large clearing with several stone piles. Low scrubby brush and berry bushes. Spent quite a bit of time here surveying here as it seemed like a likely area for a farmstead but found nothing.

Northwest of Dung Cove lagoon, found 4 stone piles and a possible foundation in a wooded area (spruce trees growing over feature, obscuring it). Another feature

approximately 5 m south of the first. Terrain does not appear cultivated. Mixed wood forest. Flagged it on the southeast side.

After lunch, we moved to the north side of the peninsula behind the modern residence. Nancy, Nicole, and I surveyed the east side of the roadway running behind the property while Laird and Greg covered the west side. East side is crossed by two lines of alders, likely property boundaries. Land is hummocky, stone pile field clearing at edge of tree line to the south. Berry bushes (blackberry, raspberry, and cranberry) and rose bushes throughout. Land slopes gradually to a pond at the east. No features found.

Laird and Greg found 6 features on the west side of the road along the shore. 5 of them are rectangular depressions about a metre deep, all very similar and very close to the shore (within 10 m). The sixth is a concrete mortared footing with square wooden posts inside. Recorded three of them (Sculpin Cove 1, 2, 3).

Friday, 8 October 2004:

Headed out to Hurricane Island to survey. Foggy but warm. Low tide so we are able to walk along the sandbar.

On southeast side of island, there is an old boat dock on shore – a wooden structure with iron spikes.

Cobble and boulder shore on all sides of island. Crab, mussels, and snails present. Modern refuse on shore and in wooded areas.

Mining activity (surface pits) on NW side of island on high ground above beach. Ceramic (WRE) on surface.

Deep depression on west side of island approximately 3 metres from shoreline. Approximately 1 m deep.

On west side of island, approximately 10 m from the shoreline, mortared stone structure approximately 3 ½ m by 3 ½ m, 1 ½ m deep. Possible entrance on northwest end. Fine-grade mortar. Built into a bank of glacial erratics. Possibly a powder magazine. Large pit to east of this feature.

On northeast side of island, 4 m from shoreline, there is a deep open depression – likely a mine shaft.

Rectangular stone-lined feature on NW side of island. Fieldstone construction. Deep depression adjacent to it on the north side. Rubble collapse. Stone-lined well to the northeast. Two more open mine-shaft on northeast side of island.

Recorded the site and photographed the features. Then we headed to Sculpin Cove and recorded the remaining two features there that Laird and Greg discovered yesterday.

Laird and Greg went off to survey the east side of the peninsula adjacent to the highway, taking the powerline right-of-way. They found another feature which we all then went to view before heading out for the day. It is located about 80 m west of the highway on the side of an old roadway that leads to the shore just south of the Dung Cove lagoon. This will be recorded on Monday.

Tuesday, 12 October 2004:

Crew this week is Nancy, Nicole and myself. Arrived on site at about 2:00 and headed to the site above Dung Cove to record it. We then headed to the site Laird and Greg found on Friday and recorded it. Headed out at 5:00.

Wednesday, 13 October 2004:

9:00 Arrived at Industrial Park and checked in at SOE plant to notify them there that we would be working in the area, for our own safety.

Started survey on the south side of Sable Road at west end of Industrial Park.

Approximately 20 m south of Sable Road, found a large midden with mid twentieth century material (plate glass, rusted tin cans, bottles, galvanized metal buckets, plastic, rubber boots, auto parts, etc) as well as a few late 19th century ceramics and bottles. Midden is located behind an old house. Irregularly scattered stone throughout a 10 m radius but no definitive features present. Two old apple trees in rear of the house. A roadway leads behind the house and out to Sable Road. Heavy household equipment (driers, refrigerators, water tanks, furniture), a derelict car, and auto parts on south side of road in treed area.

Approximately 300 m south of Sable Road, on high ground above the highway, we encountered significant mining activity. Covers an area at least 50 m by 50 m. Several stone crusher piles, some as large as 10 m by 10 m. Surface pits and possible sluices. Heavily wooded area. Highway can be seen from site.

Stopped for lunch at 12:10 at the south end of the study area. After lunch, we headed NW to Sable Road. Ran into swamp and clear cut about ½ km back. Had to walk around it. Land is hilly and rocky in cleared areas. New growth (less than 15 years). Stopped on roadway adjacent to the old house south of Sable Road for a break.

Once we got out to Sable Road, we headed to the north side of the road and surveyed there. Approximately 40 m east of the highway behind modern residences, found four surface pits. One of them was water-filled and had a pick axe and round wooden tub inside. Approximately 10 m west of these features is modern abandoned cabin. 20 m to the NW, 2 surface pits on NW side of the hilltop as well as a possible sluice.

Thursday, 14 October 2004:

9:00. 10°C, overcast. Started morning out where we left off yesterday on the south side of Sable Road. Found the brush was too thick to get through and decided we would need an alternate access, likely from the south end of the study area.

Moved further east along Sable Road to get around the thick brush and survey the southeast half of the study area. Took the old road approximately 500 m up Sable Road on the south side that leads to Skunk Den Mine site. On east side of this roadway, approximately 20 m south of Sable Road, encountered evidence of mining activity. Surface pits and crusher piles throughout an area approximately 40 m by 40m. In wooded area, moss covered forest floor. Several of the features have been flagged with yellow tape. I flagged the site near the old roadway with pink "ENVIRONMENTAL" tape.

Stopped for lunch at 12:05 at Skunk Den Mine site.

After lunch, we headed to the east end of the study area to survey on south side of Sable Road. Found that the area where one of the buildings is planned to be built is where the helipad is located. This area has been heavily disturbed by the helipad construction. Approximately 400 m by 300 m of land was cleared and levelled. Now covered in alders.

Moved survey to south end of study area. Approached from the pipeline and cut in, surveying northeastward perpendicular to the pipeline. Land at west end is treed (c. 70 growth), hummocky, and wet. Beyond this to the east, land slopes upward and is covered in low brush and new spruce growth (less than 15 years).

Friday, 15 October 2004:

Arrived at 9:30. Warm (17°C) but overcast and drizzly.

Returned to south side of Sable Road to area adjacent to highway and modern residence to search for evidence of T. Webb homestead. North side is not a likely spot since the hill slopes steeply and the highest point was not part of the Webb property. If the homestead was on this side, it was likely adjacent to the highway, fronting on the harbour where modern residences are now situated.

On the south side of the road, we did a thorough reconnaissance of a 40 m radius behind the standing house. Discovered that the house has been abandoned and is now for sale. Land behind the house appears to have been cultivated for a distance of about 15 m. Land slopes downward to the backyard of the house where there are 2 apple trees upwards of 100 years old. Took another look at the midden materials behind the house. Still not seeing anything that looks like a feature. Midden may have been placed inside an old feature obscuring it.

Took a closer look around the house itself. Apple tree (c. 7 years) in side yard. Foundation of house is fieldstone, mortared in sections for repair, and boarded over with plywood. No other features in vicinity. This may be the Webb residence.

On west side of highway, opposite the house, there is a small orchard. Poor grade concrete foundation with cast iron pipe running through. Also a window opening in north side. Approximately 10 m NW of foundation is mining activity (2 surface pits).

Dead coyote adjacent to concrete foundation.

Headed out just before lunch when it began to rain heavily.

Monday, 25 October 2004:

Arrived at Industrial park after lunch and checked out old roads indicated on aerial photos, planning a strategy for tomorrow's survey.

Tuesday, 26 October 2004:

Arrived at Industrial park at 9:00. Approaching north side of study area from an old roadway on the north side of Sable Road that crosses Sable Road and hooks up with the road to Skunk Den Mine on the south side.

8°C. Cloudy and windy. This morning's crew includes myself, Nancy, and Nicole. Laird is expected this afternoon.

Took the road head west toward the highway. About halfway down the road, near the west end of the study area, we came to a clearing with crushed stone piles throughout. "Danger Hazardous Area: Open Holes – Department of Natural Resources" signs around the area. Appears that this was an area of stone crusher piles which was recently levelled. Swamp beyond this. Found 4-holed glass button, light green bottle base, and black glass bottle fragment and finish dating to the mid to late 19th century.

We were weary about crossing the swamp due to the danger signs. We turned around and followed the roadway southeastward to Sable Road. At the south end of the road, the NE side is higher than the SW and is more suitable for habitation. At the north end of the road, the SW side is higher. The NE side is low and swampy. At the south of the road where it connects with Sable Road, there is a geodesic marker "Repere Geodesique" on cover. Survey marker underneath - "NSCRS".

Walked back to crusher piles on northwest end of roadway just before swamp and cut into woods on south side of roadway there. Area of flat high ground. Dept. of Natural Resources survey marker #4447 on edge of field. Wooden post adjacent to it - "Crown 1996". Linear stone alignment just north of survey marker aligned NNE-SSW. To south, the ridge takes a steep dive to a swampy area.

On the south side of the old road, approximately 25 m east of the crusher piles, there is a vertically dug out area, approximately 3 m wide in roadside embankment. Does not appear to be structural. This is located north of linear stone alignment.

On NE side of road along the right-hand branch of the roadway, 6 surface pits or air shafts were found. Area is hilly and covered in brush and alders. Swampy. At the junction of this road and the road that cuts across Sable Road to Skunk Den Mine, there is a black spruce swamp. Found a 7th pit/air shaft on NNE side of this swamp.

Stopped for lunch at 12:30. Laird arrived at 1:00. Followed a roadway that leads off the old roadway we have been surveying this morning. This roadway leads northward and loops around to another roadway that runs southwestward. At the junction of these two roadways, discovered a large open pit on the south corner. This SW road meets up with a cutline at the west edge of the study area. Followed this cutline to the swamp beyond the roadway we were surveying this morning (opposite the levelled crusher piles with DNR warning signs). Large crusher pile on west side of cutline. Modern refuse and cars adjacent to an old mine shaft which is still open and likely has structural remains. This site is located just outside the west boundary of the study area but is obviously associated with the crusher piles to the east, on the opposite side of the swamp.

Wednesday, 27 October 2004:

9:00 Arrived at study area. Overcast and showers. 8°C.

Took modern (late 20th c) road across from helipad, heading north. Just past the first clearing shown on the aerial found a modern dump on east side of roadway. Woodstove, tires, newspapers (March 1995), chemical storage drum, vinyl mini-blinds, tar paper, etc. Continued following the roadway to the end of the north study area which comes out in a clearing. Crossed old clear cuts and swampy areas. Road fades out and picks up again in several areas. Appears to be an old logging road. Deep ruts on either side of roadway. Several areas where the road veers off for a short distance and ends. On east side of roadway at southernmost clearing shown on aerial, more modern refuse on west side of roadway. Mechanical parts, plastic containers, plastic buckets, etc. in roadside ditch.

Thursday, 28 October 2004:

9:00 Mix of sun and cloud. 5°C. Raining when we arrived but stopped shortly after. Taking a cut line at the east end of the study area on north side of Sable Road adjacent to pipeline. Followed it to a survey marker on west side of pipeline where it disappeared, likely crosses pipeline outside our study area.

Left here and headed south along the highway to where an old roadway leads eastward opposite Dung Cove. This is marked on gold district map as the road to Buckley's farm. It is grown over with alders but approximately 15 metres of it adjacent to the roadway has been cleared out. Alders get higher and thicker the further in we get. Comes to a clearing which is indicated on the aerial photo. Recently levelled (around 1998 judging

by aerial photo). Exposed soil on the surface. Did not see any artifacts lying around. At the clearing, we veered to the southeast and followed an old roadway. Land on north side of this roadway looks cultivated. Tree growth 70-80 years. Glacial erratics and field clearing throughout. This road leads to a logging path which runs perpendicular to it. Ground here is very wet and low. Leads uphill to north and to the pipeline corridor to the south.

Returned to clearing and picked up a road at the north edge of it, heading northward. Land on west side of this road for approximately 20 metres northward is very flat. Young tree growth (c. 40 years). Survey it but found nothing cultural. Land on east side of roadway does not appear to have been modified. Followed roadway northward which turned into a logging road approximately 50 metres in. Transected by several other logging roads. Surveyed the perimeter but found nothing of significance. Roadways have deep ruts on either side, characteristic of logging roads.

Returned to clearing. The farm was likely located here in the clearing and would have been destroyed when the area was cleared. No apple trees anywhere in the area, including along the backroads we just surveyed.

After lunch, we took the GPS (Leica GS20) out to peninsula to record locations of sites there:

Site	ObjectCode	ObjectID	X	Y
Hurricane Island Mine	HIM	POINT00001	Discard (satellites N/A)	Discard (satellites N/A)
Sculpin Cove 1	SC01	POINT00002	-61.643329	45.163465
Sculpin Cove 2	SC02	POINT00003	-61.643282	45.163320
		POINT00004	-61.643252	45.163377
Sculpin Cove 3	SC03	POINT00005	-61.643316	45.163180
Sculpin Cove 4	SC04	POINT00006	-61.643943	45.161762
Sculpin Cove 5	SC05	POINT00007	-61.645491	45.162072
McMillan Mine	SANDCO01	POINT00008	-61.641773	45.161480
		POINT00009	-61.641779	45.161285
Dung Cove 1	BC01	POINT00010	-61.638396	45.161070

Friday, 29 October 2004:

9: 15 Arrived at Mulgrave Lead to record position of site. Overcast and cold (1°C).
Also recording position of Skunk Den Mine and Dung Cove Mine.

Site	ObjectCode	ObjectID	X	Y
South Mulgrave Lead	MULGRAVE	POINT00011	61.638447	45.170693
Skunk Den Mine	SKUNKDEN	POINT00012	Discard (satellites N/A)	Discard (satellites N/A)
Dung Cove Mine	DCM	POINT00013	Discard (satellites N/A)	Discard (satellites N/A)

Photographic Record

Frame	Description
1	Read Head, looking southwest.
2	Crew testing at Read Head, looking north.
3	Sculpin Cove 1, looking east.
4	Sculpin Cove 1, looking west.
5	Sculpin Cove 2, looking east.
6	Sculpin Cove 2, looking northwest.
7	Sculpin Cove 3, looking northeast.
8	Sculpin Cove 3, looking south.
9	Sculpin Cove 4, looking southwest.
10	Sculpin Cove 4, looking west.
11	Open pit mining on northeast side of Hurricane Island.
12	Stone-lined well on Hurricane Island.
13	Rectangular stone-lined feature on northwest side of Hurricane Island.
14	Possible powder magazine on west side of Hurricane Island.
15	Mining activity (surface prospecting?) on northeast side of Hurricane Island.
16	Mining activity (surface prospecting?) on northeast side of Hurricane Island.
17	Air shaft on northeast side of Hurricane Island.
18	Open pit mining on northeast side of Hurricane Island.
19	Sculpin Cove 5, looking west.
20	Sculpin Cove 5, looking northeast.
21	McMillan Mine, looking southwest.
22	McMillan Mine, looking northeast.
23	Stone pile field clearing, Dung Cove site.
24	Linear stone feature obscured by low tree cover, Dung Cove site.
25	Stone pile field clearing, Dung Cove site.
26	Giffin's Mill, looking south.
27	Giffin's Mill, looking south.
28	20 th century midden behind standing house on Hwy #316, south of Sable Road.
29	Stone crusher pile at Hattie's Belt.
30	Moss covered stone crusher pile at Hattie's Belt.
31	Stone crusher pile at Hattie's Belt.
32	Air shaft on north side of Sable Road near west end of Industrial Park.
33	Air shaft on north side of Sable Road near west end of Industrial Park.
34	Air shaft, Skunk Den Mine Giffin Lead.
35	Stone crusher pile, Skunk Den Mine Giffin Lead.
36	Air shaft, Skunk Den Mine Giffin Lead. Note vertical wooden post feature inside air shaft.
37	Air shaft, Skunk Den Mine Giffin Lead. Note vertical wooden post feature inside air shaft.
38	Back of standing abandoned house on Hwy #316 south of Sable Road.

39	Front of standing abandoned house on Hwy #316 south of Sable Road.
40	Concrete foundation on west side of Hwy opposite standing house, looking east.
41	Mining activity northwest of concrete foundation on west side of Hwy opposite standing house.
42	Black glass bottle finish and body fragment from levelled stone crusher pile, South Mulgrave Lead.
43	Modern refuse adjacent to mine shaft at South Mulgrave Lead, looking west.
44	Modern refuse adjacent to mine shaft at South Mulgrave Lead, looking west.
45	Modern refuse adjacent to mine shaft at South Mulgrave Lead, looking west.
46	Modern refuse adjacent to mine shaft at South Mulgrave Lead, looking west.
47	Stone crusher pile at South Mulgrave Lead, looking east.
48	Modern midden (late 20 th century) on north side of Sable Road opposite helipad.
49	Recording Sculpin Cove 4, looking south.
50	Sculpin Cove 4, looking south.
51	Sculpin Cove 4, looking southwest.
52	Hurricane Island, iron vent pipe on east side of island.
53	Hurricane Island, possible air vent.
54	Hurricane Island, possible powder magazine, looking east.
55	Hurricane Island, possible powder magazine, looking east.
56	Hurricane Island, open pit mining on northeast side of island.
57	Hurricane Island, open pit mining on northeast side of island.
58	Hurricane Island, stone-lined well.
59	Hurricane Island, wharf footings on east side of island, looking northeast.
60	Testing at Red Head, showing re-exposure of R5-8 grave shaft (2000-2001), looking west.
61	Red Head, looking east.
62	McMillan Mine, mine shaft entrance.
63	McMillan Mine, main feature.
64	Red Head, previously excavated area (2000-2001).
65	Red Head, sod removal. Grave R5-8 (2000-2001) can be seen as lighter soil.
66	Red Head, sod removed from east side, looking southeast.
67	Red Head, sod removed from north side, looking west.
68	Red Head, sod removed on east side, looking east.
69	Red Head, start of sod removal.
70	Red Head, unusual soil staining at north end of trench adjacent to tree line.
71	Red Head, looking southeast from Sculpin Cove 4.

72	Red Head, looking west.
73	Walk to Hurricane Island, looking northwest.
74	Sculpin Cove 1-3, looking north.
75	Sculpin Cove 1, looking east.
76	Sculpin Cove 1 – 3, looking north.
77	Sculpin Cove 3, looking north.
78	Erosional escarpment at Sand Cove, looking north.