

Provincial Archaeology Office 2006 Archaeology Review

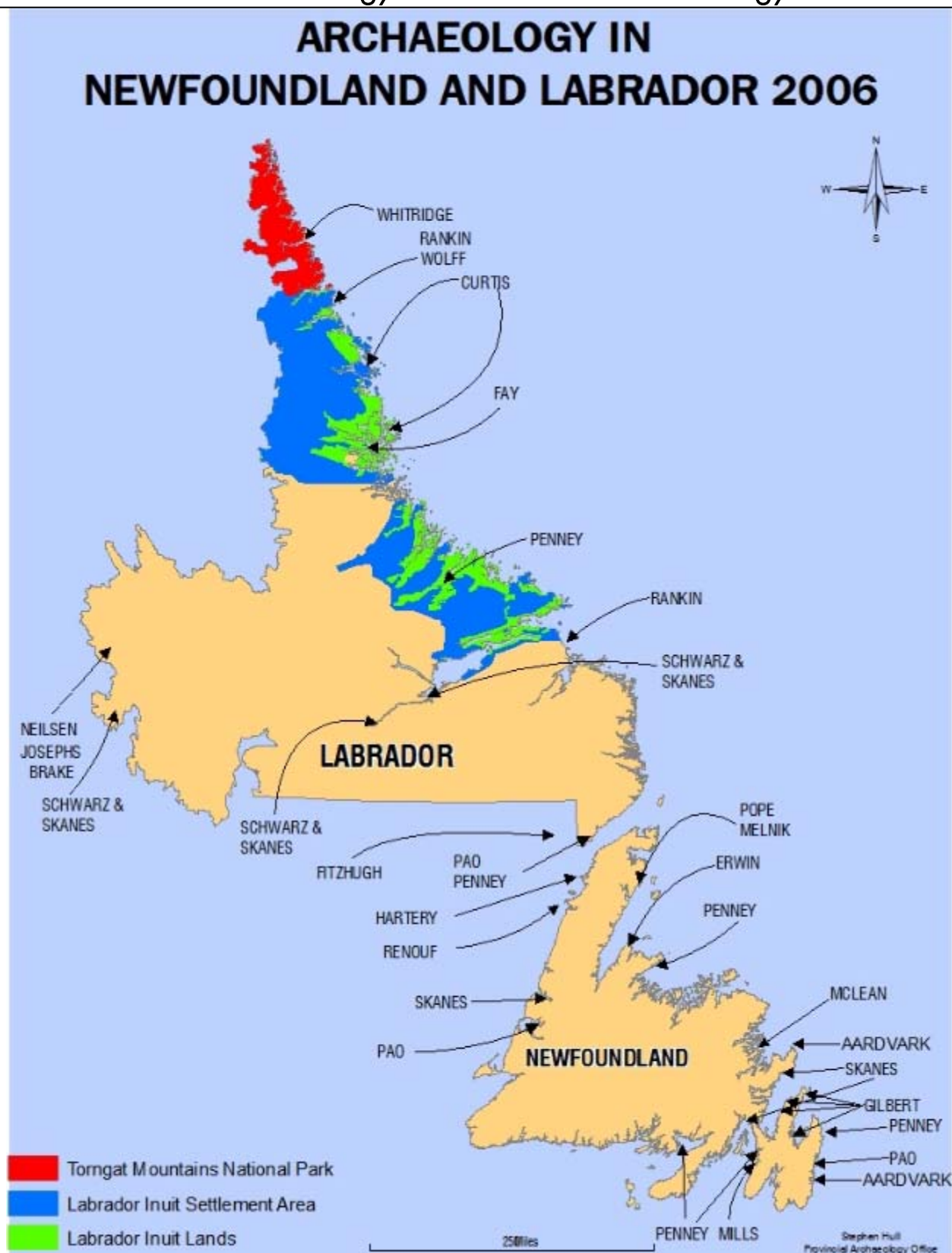


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NUNATSIAVUT ARCHAEOLOGY

Lena Onalik

Nunatsiavut Government

On December 4th, 2006, Lena Onalik started the position as the very first Archaeologist for the Nunatsiavut Government in Northern Labrador.

With this position, Lena will be responsible for the protection, preservation and presentation of the Nunatsiavut Government's archaeological resources. Also she will be in charge of the development and implementation of education programs in protection of archaeological sites. Lena will be in charge of reviewing permit applications by all Archaeologists wishing to do field work in Labrador Inuit Lands (LIL), also she will assist in reviewing mineral exploration applications and land use referrals for LIL and LISA lands.

This past field season saw but one archaeologist researching in Labrador Inuit Lands. Jim Woollett conducted research in the Dog Island region north of Nain. There were also two archaeological assessments carried out relating to mineral exploration. One for the Iron Strand and one for the Moran Lake property.

Currently, Lena's main focus is creating the permitting process that archaeologists will use when applying to do research in Labrador Inuit Lands in Northern Labrador. This process will be created in time for this coming season, when Archaeologists begin the application process for field work.

Also noteworthy, there is a draft protocol that will affect people interested in conducting research in LIL and LISA. With this protocol in place, people who wish to do research in LIL and LISA will have to consult with the nearest community of interest, and Nunatsiavut Government prior to doing their fieldwork/ research.

Again, this year we are asking researchers to please submit their permit applications starting in April or as soon as possible, to allow time for review before you go into the field.

If you need to contact Lena, you may do so by e-mailing, or telephoning her at the given number and address below. Thank you in advance for your cooperation.

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REPORT OF ACTIVITIES 2006 - GERALD PENNEY ASSOCIATES LIMITED

Gerald Penney & Robert Cuff

Generally, 2006 was an active year (10 projects) for GPA, archaeological and heritage consultants, and one in which several projects had elements which we hope will be of interest to the archaeological community.

Long Harbour, Placentia Bay

Voisey's Bay Nickel Company Limited is proposing to locate a nickel processing plant, with associated process water supply, access roads, pipelines, conveyors and residue ponds (and/or dry ground waste storage), to the south of the community of Long Harbour-Mount Arlington Heights, Placentia Bay. The site is an extensive one, in which the PAO identified eight areas of interest, which involved some intensive fieldwork in a virtually trackless country. Fieldwork began in May and, on completion of that month's progress report, the client requested that the survey be extended to the shoreline of Long Harbour generally, which necessitated a permit extension and further fieldwork in June.

No historic resources were located during survey and testing of the footprint area of the proposed development, or the proximate shoreline. Outside the study area, at Crawleys Island, a single Recent Indian projectile point and an early European ceramic sherd (possibly of French origin) were recovered. Given the general dearth of pre-contact material previously recovered from Placentia Bay, it is hoped that the Crawleys Island site (CiAl-1) will spur some further interest. It is suggested that any further survey in this area give some attention as well to certain areas proximate to Long Harbour: the Iona Islands, Corbin Head, and Trinny Cove.



Recent Indian point from Crawleys Island, catalogued as CiAl-1:1. (Penney)

Belleoram Barasway

It is proposed that a granite quarry be developed at a steep knob to the north of the town of Belleoram, Fortune Bay. Documentary and oral history research determined that, just to the north of a proposed loading wharf site, at the mouth of Barasway Brook, was an abandoned community, known as Belleoram Barrisway.

There were no historic resources located in testing the study area. In June, survey work was extended from the quarry site to the shoreline at Belleoram Barasway. June fieldwork revealed indications of historic occupation (documented from c.1870-1930).



East corner of a wall at the north beach of Belleoram Barasway, presumed remnant of bank fishing premises operated by the Critchell family. (Penney)

St. John's Harbour Interceptor Sewer

A major ongoing activity of GPA since 2004 has been background research and excavation monitoring of the St. John's Harbour Inceptor Sewer (HIS) project. Active excavation began at what was originally conceived as Phase II of the project, along Harbour Drive. Given that the majority of Phase II excavation occurred in "made ground" from the late 1950s/early 1960s only a very few, redeposited, artifacts were recovered in three of four work zones. Work zone 1C (Ayres Cove) was of greater interest in that excavations came very close to the south side of Water Street, and the presumed natural shoreline of St. John's harbour, in the vicinity of Atlantic Place. One feature of interest was a functioning 19th century stone sewer.

Closest to Water Street at Ayres Cove the excavations encountered a disturbed and contaminated cultural matrix, with an artifact assemblage at a depth below surface consistent with 2005 testing at Water Street west. It is anticipated that these additions to baseline data, and processes developed during 2006, will add to the interest/interpretation as the HIS excavations continue along Water Street, east and west of the downtown core (Phases I and III).



Interior view of 19th century stone sewer at Ayres Cove (Brandon Miller photo). (Penney)

Labrador uranium exploration, interior of Postville

GPA continued to provide consulting and archaeological surveying services to mineral exploration companies active in the Central Mineral Belt of Labrador, including Aurora Energy Inc. and Crosshair Exploration and Mining Corporation. Survey activities under PAO permits were carried out in June. No historic resources were found to be at risk in the immediate proximity of proposed drill locations. Neither the location of known archaeological sites in central Labrador nor ethnographic background research is suggestive of particular risk potential at these inland locations. In several test areas, evidence of previous mineral exploration (1958-1982) was observed. The only feature encountered unrelated to mineral exploration was a small cairn of indeterminate age, observed when the helicopter “overshot” a drill location and landed on a hill overlooking Kaipokok Bay.



Cairn, overlooking Kaipokok Bay. (Penney)



Site of Brinex camp and staging area at Running Rabbit Lake, central Labrador. (Penney)

GPA conducted further surveys of proposed drill sites for two clients in September and October, under the new regime of reporting archaeological activities to the Torngâsok Cultural Centre, Nunatsiavut Government. Archaeological permitting provisions of the *Labrador Inuit Land Claims Agreement* (2004:Part 15.6, pp. 232-236), adhere to the Historic Resources Impact Assessment Guidelines as developed by the previous permitting authority (Province of Newfoundland and Labrador), as mandated by the *Historic Resources Act* (1998). Reports are copied to the PAO.

A major policy change affecting the archaeological community is that proponents will henceforth be required to conduct community consultations (anticipated by s15.6.13(d)(f) and (g)) and post-fieldwork debriefings at the nearest Inuit community to the fieldwork activities.

From our experience in assisting mineral exploration clients with regulatory compliance, we suggest that a key emergent issue for the consulting side of the archaeological community is the provision of the *Labrador Inuit Land Claims Agreement* regarding place names in Labrador Inuit Lands and Inuit communities. Given the necessity of employing “field names” in exploration geology, we are recommending to clients that a consultation regarding local nomenclature be initiated. In key mineral exploration areas, such consultation could conceivably be coordinated with multiple mineral exploration companies and/or archaeologists and consultants



Donald Jacque of Postville and Crosshair geologist Tim Froude. (Penney)



Ms. Jolyn Pijogge, Nunatsiavut Government environmental monitor, stands on a promontory for a view of Aurora's Area #2. White Bear Mountain can be seen in the background. (Penney)

Further fieldwork in Labrador conducted under permit from the Nunatsiavut Government was a revisit to the Iron Strand, in northern Labrador, in company with a Newfoundland Land Surveyor, to definitively record the locations of known archaeological sites and features in this area, for Freeport Resources Ltd. These activities were reported on in 2005.

47 Duckworth Street

It is proposed that the former Standard Manufacturing Company property (opposite the

Fairmont-Newfoundland Hotel) be developed as condominiums. An area in the northwest corner of the site (47 Duckworth Street) was identified by the PAO as an area of interest, proximate to Fort William (1698-1871). Peter Pope and Steve Mills had previously posited early components nearby as originating with the New Fort, a civilian refuge/fortification attached to Fort William dating from 1706-1709. An HRIA conducted by John Wicks in July 2006 uncovered early materials from potentially secure strata.



Excavations at 47 Duckworth, looking south towards the harbour. (Penney)

From 25 July to 21 August 2006, GPA conducted archaeological excavations at the “New Fort” site (CjAe-15), 47 Duckworth Street, as part of a Stage 3 Impact Assessment. Approximately 700 artifacts were recovered from a secure occupation context dating from the late seventeenth to the early eighteenth century. It is believed the site is associated with the first incarnation of Fort William (1698-1709), and possibly more specifically to that fort’s attached outer defense, the “New Fort.” However, it should be noted that the artifact assemblage is utilitarian. Neither features nor artifacts definitively of military origin were identified. Including the mixed layers, some 1500 artifacts were recovered.

Flatwater Pond, Baie Verte Peninsula

This survey of a proposed cabin development at Flatwater Pond, proximate to the provincial park of that name, was undertaken in July. No historic resources were found to be at risk. The nature of the pond’s shoreline and the general aspect of the country thereabout, particularly the absence of significant soil cover, was contra-indicative of historic resource risk potential at this location.



Proposed cabin development (Area A) at Flatwater Pond, viewed from Area B. (Penney)

Snooks Arm

It is proposed that a wharf facility on the north shore of Snooks Arm be constructed for the purposes of off-loading gold-bearing ore from a mine in Greenland for processing at the nearby Nuggett Pond mill. The proponent requested a shoreline survey from the present-day community to the cove proposed for the wharf, known locally as “The Factory,” as well as an access road from Route 416 to the proposed wharf.

The unique place of Snooks Arm in the history of Newfoundland and Labrador lies in its selection as the site of the first modern shore whaling station in North America. The Cabot Steam Whaling Company operated a whaling station and plant from here from 1898 to 1916. In the course of fieldwork and oral history in August and September it was that a “guano” (meal/fertilizer) factory also operated at the present site of the village of Snooks Arm.

There are three large surviving metal artifacts associated with the century-old whaling operation: a boiler and dryer on the surface in Snooks Arm, and an anchor buried at The Factory. There is also a large tryworks/boiler platform at The Factory, on a scree slope above the proposed wharf development. Local sentiment is that the anchor should be removed from the wharf site and employed with other surviving artifacts as the focal point of historical interpretation at Snooks Arm. Accordingly, it was recommended that mitigation of the proposed development should include an interpretive site at Snooks Arm, monitoring of the wharf project, artifact recovery at The Factory, and further investigation of the tryworks.




The tryworks at The Factory, viewed from above. Standing inside, the lip of this stone platform is at eye level (180cm). (Penney)

L'Anse Au Diable Fur Farm

This project involved a surface survey and extensive test pitting of a 20 hectare proposed mink farm. Some development in the form of sod/overburden removal had previously taken place, and a stop work order was placed on the development by the PAO.

One new archaeological site of possible Maritime Archaic origin (L'Anse au Diable-5, EjBe-75) was encountered. Based on the small number of artifacts found, the site's elevation above the modern coastline may be the most informative aspect of this fieldwork. An additional spot find was recovered, a gunflint, but this single artifact was retrieved from the disturbed portion of the project area.



The Strait of Belle Isle, with the project area in foreground (Blair Temple photo). (Penney) 

RECENT INVESTIGATIONS OF MARITIME ARCHAIC STRUCTURES AT WHITE POINT, NORTHERN LABRADOR

Christopher B. Wolff

Southern Methodist University, Dallas, TX USA

In the summer of 2006, excavation and survey of a series of Maritime Archaic structures was conducted at White Point, northern Labrador (Figure 1) as part of my doctoral research project at Southern Methodist University. This document reports preliminary findings from that field work and discusses initial ideas concerning the cultural activity that created the investigated sites. In particular, it discusses a group of Maritime Archaic pithouses, two of which we excavated, and the excavation of a Maritime Archaic longhouse.

Introduction

Although there have been several publications concerning the evolution of Maritime Archaic structures and settlement patterns (Fitzhugh 1975, 1977, 1978, 1984 1985b; Hood 1993; Loring 2002; Rankin 2006; Tuck 1975a,b, 1976), there has not been a great deal of discussion concerning the relationship that such an evolution had with the basic socio-economic units (i.e. households) within Maritime Archaic culture. My main research goal for fieldwork in northern Labrador was to assess how changes in structures relating to an increase in cultural complexity affected Maritime Archaic households and their social and spatial organization. For the purposes of this research, increased cultural complexity does not necessarily imply the rise of social hierarchies, situational or institutional—although it may—

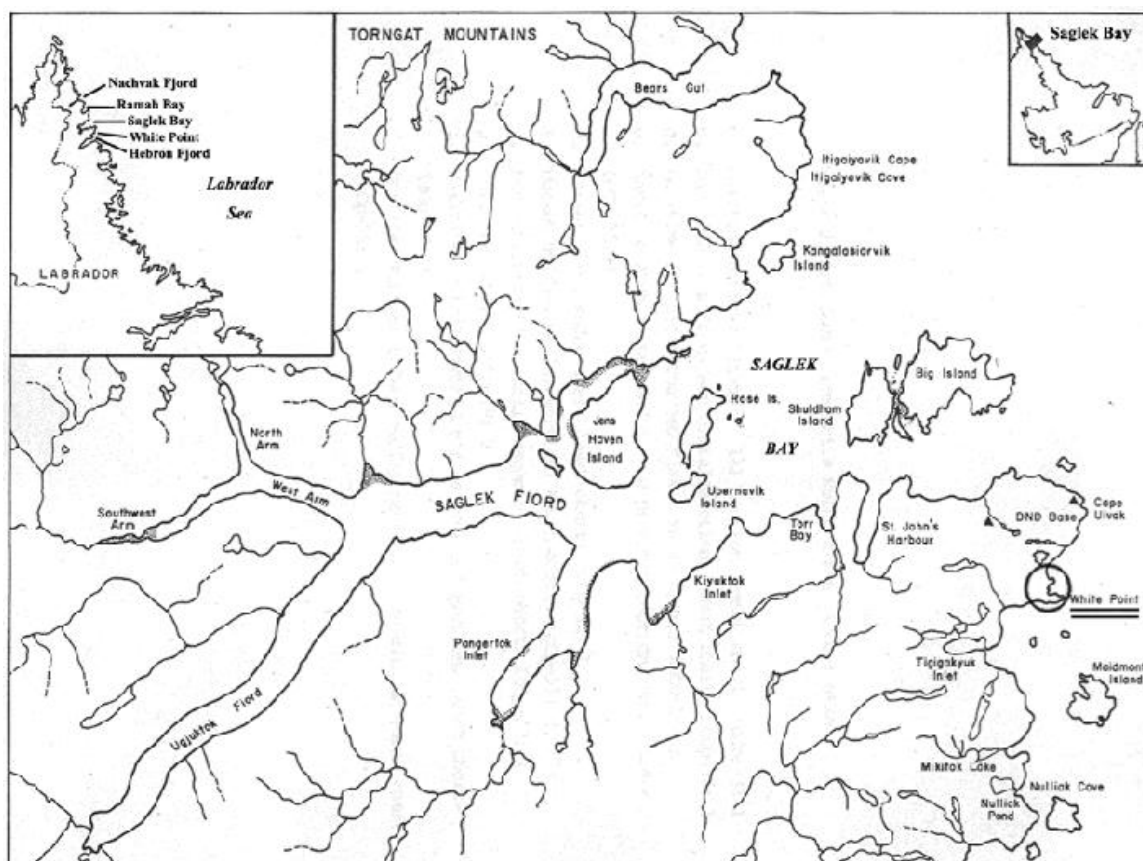


Figure 1: Map of Research Area (modified from Thomson 1989). The White Point area is circled on the right. (Wolff)

but more simplistically refers to the amount of working parts within society. In other words, people living in larger groups and, therefore, negotiating increased social interaction.

Current chronological assessments of the Maritime Archaic occupation of northern Labrador places it from approximately 6500 to 3500 years ago, although very few dates have been published from the region (but see Fitzhugh 1985a; Tuck 1975a). Primarily, the cultural chronology of northern Labrador has been based on reconstructions of sea levels in the region, formed largely from Clark and Fitzhugh's (1990) data, which draw on radiocarbon dating of cultural materials found in archaeological contexts and the assessment of prehistoric marine limits. These data are problematic, however, when assessing the chronology of the Saglek Bay region because it is at the northernmost limit of their sea level reconstructions, and there is significant regional variation in the isostatic uplift and eustatic processes along the coasts of Newfoundland and Labrador (Bell and Renouf 2003; Clark and Fitzhugh 1990).

The widely accepted trajectory for residential development by Maritime Archaic peoples is from small, individual pithouses and tent rings, to larger, rectangular multi-roomed structures, to longhouses (Fitzhugh 1984, in press; Hood 1993). The pithouses are usually single

room structures, often circular or oval, and roughly four to five meters in diameter. The longhouses are all linearly arranged, are generally the width of a single room (~4-5 m), and can range from three roomed structures (~12-15 m) to sizes in excess of 100 meters in length, with many room segments. Maritime Archaic structures are often constructed on ancient beaches, with partially excavated interiors in most cases, and often cobble stones are used to provide foundations and flooring. Interestingly, the interior floor space of early Maritime Archaic pithouses is comparable to the segmented rooms of structures found in their later periods. For that reason, I chose to excavate several early houses and a later period longhouse and compare their interior use of space and patterning of material culture to assess if there were any diachronic changes in household organization in relationship to the changes in overall structure morphology.

White Point was chosen for field research because it was one of the few locations in Labrador where there were well documented Maritime Archaic structures ranging from their earliest to their latest occupations in a single area (Thomson 1989). Because of the difficult logistics and large expense associated with working in northern Labrador, I considered it vital to be able to set up a single camp where I could access

multiple sites. I also wanted to minimize distance between the houses we excavated in order to maintain some environmental consistency so that the variables affecting how the structures were built and maintained would be less numerous. In this manner, I was attempting to isolate cultural factors that would affect house construction and the organization of their interiors. My hope is that by isolating those factors, and contrasting them with environmental conditions through time, I may be able to reconstruct how Maritime Archaic households adapted to changes in both their social organization and their environment. This research may help us to better understand the effects of greater complexity on individual family units within Maritime Archaic society, as well as provide important data concerning their organization and use of space within structures. Households are often reflective of the broader society (Lee and Reinhardt 2003; LeMoine 2003; McGuire and Schiffer 1983; Wilk and Rathje 1982; Yates 1989), and therefore, data resulting from this research may also help us address issues concerning the degree of complexity that Maritime Archaic society attained. This research may also have broader implications concerning the development of social stratification in hunter-gatherer societies, both past and present, found elsewhere in the world.

Fieldwork

Over the course of the summer we surveyed the larger part of the White Point area. We relocated sites found during Penney and Thomson's survey of the area in 1989 (Thomson 1989, unpublished field reports), and found several new sites, one of which contained the pithouses we investigated. Our first order of business was to find a well-defined longhouse to excavate, which we did at IcCp-34 (White Point 16)(Figure 2). This site also contains at least two more longhouses, several tent

rings (both Maritime Archaic and Paleoeskimo), and seven Inuit graves, probably dating to the early twentieth century (see also Thomson 1989). We excavated the longhouse following the thin, natural stratigraphy of the deposits and recovered a large number of artifacts, which presently includes at least 157 formal tools (Table 1) and roughly 15,000 flakes.

Preliminary mapping and analyses of the longhouse suggests it was approximately twenty meters in length and roughly five meters wide, and probably divided into three rooms. It appears that some of the interior rocks and cobbles were washed into the structure making it initially difficult to assess clear room divisions. It was situated lengthwise about halfway down the slope of a narrow hill that inclined toward large bedrock outcrops at the shore margin. It was dug into the slope of the hill, and, therefore, the upslope wall was mainly unmodified cobble beach and the proximate stratigraphy was substantially deeper than other areas of the structure. The down slope wall was more ephemeral and defined by a thin row of cobblestones on and near the surface. Further spatial analyses of the provenience of all artifacts and debitage are needed to get a better idea of how the longhouse's occupants organized their space. Because all formal artifacts were point provenienced using a total station, and debitage was collected in 50 cm² quadrants, we should have the resolution to assess household organization relatively accurately. During excavation it appeared that there were differences in the frequencies of artifacts throughout the house that will be beneficial in our assessment. Moreover, it appears that there is evidence that the house was reoccupied based on initial investigations of its stratigraphy. However, it should be stated that all analyses are in their infancy and much remains to be done.



Figure 2: View of partially excavated longhouse (IcCp-34) looking southwest. (Wolff)

The greatest frequency of formal artifacts was made from Ramah chert (77.70%), followed distantly by other cherts (8.28%), quartz (5.10%), slate (4.46%), and quartzite (4.46%). Debitage analyses have not yet been completed beyond initial counts in the field, although it appears the raw material frequencies are similar to that of the formal tools. The greatest frequency of tools is projectile points (combined 31.85%), including stemmed points, a nipple-based point, a flake point, and undetermined distal, lateral, and medial fragments (Table 1). The projectile point frequencies in Table 1 include broken and whole points and refitting has yet to be attempted, so they are probably inflated somewhat, and likely to be lowered following further analyses. Moreover, additional formal tools are likely to be found in the sample bags containing debitage so these initial tool frequencies are subject to change.

The only unequivocal feature at this point in our investigation is a central hearth feature. It basically consisted of reddish burnt soil, infused with charcoal and ash, as well as fire-cracked rock, including possible heat-treated quartz. I took a large soil sample from the hearth to be floated and examined for organic material in our lab. I also took multiple charcoal samples to be sent off for radiocarbon dating. Two other possible hearth features, one in each of the other possible rooms, were not as clear, but there appeared to be signs of burning and possible heat-treatment of rocks. Multiple charcoal samples were taken from other parts of the house, and may be associated with the possible burning of the

structure. As of yet, no dates have been acquired from the White Point sites, but have been sent off for analysis.

Table 1: Formal tools from White Point 16 (IcCp-34). (Wolff)

type	count	% total
adze	1	0.64
biface	34	21.66
celt	1	0.64
core	16	10.19
endscraper	6	3.82
flake pt.	1	0.64
knife	10	6.37
microblade	1	0.64
nipple-based pt.	1	0.64
pieces esquillee	5	3.18
stemmed pt.	30	19.11
unident. object	21	13.38
unident. pt.	18	11.46
utilized flake	12	7.64
totals	157	100.00

Corey Hutchings and Meghan Negrijn found the pithouse site (IcCp-41, White Point 21) as they were surveying other parts of White Point on one of our rare days off. The site is roughly 120 meters north of the longhouse on the crest of White Point, and in a position to see both shorelines of the small peninsula. The site consists of a row of six boulder pithouse structures arranged linearly along the east-west oriented highest beach terrace. All but the most westerly house was similar in size, while that house was slightly larger. They all appeared to have small rectangular entrances that all faced southerly, but not always at the same orientation. Each of them appears to have a central hearth feature

including a large, vertically-positioned, flat stone probably used as a heat deflector. Several of them also appeared to have an associated external cache. Because of time constraints we were only able to excavate two of the middle structures (Pithouse 1 and 2)(Figure 3). However, all of the structures were mapped and documented and will be reported on more extensively in my thesis and upcoming papers and reports.

Pithouse 1 is perhaps the most interesting structure and I plan to publish more on this unique

house in the near future. As we were trying to figure out which house to excavate I lifted a large slab in its center and immediately found half of a large nipple-based spear point, finely made from Ramah chert. It was stuck into a roughly 60 cm diameter and 20 cm deep deposit of red ochre. After further excavation, its other half was recovered nearby, as well as another purposefully broken nipple-based spear point. All of the pieces are covered in red ochre, either directly or from their being stuck into the large central deposit.



Figure 3: Pithouses 1 and 2 (Pithouse 2 in foreground) looking approximately east. Can see two other pithouses in background. Scale (50cm) is on one of the possible heat deflectors. Pithouse 1 has had many of its rocks already removed. (Wolff)

Further analysis is needed to better assess their context, but tentatively this could be the first indication that the Maritime Archaic people had ideological components to their architecture, and/or that they were places of ritual. Currently I am examining ethnographic, ethnohistoric, and archaeological literature to find analogous instances of household ritual. To speculate, I would say this looked like the ritual killing of a structure. The total lack of any other artifacts other than two fragments of microblades made from Mugford chert that were recovered near the surface, are probably intrusive, and were made by subsequent Pre-Dorset peoples, suggests that this house was never occupied or immaculately cleaned before it was “killed” for whatever reason. Whichever it was—and hopefully future analyses will help in this assessment—it is unknown for the Maritime Archaic and will be an important addition to our understanding of their culture.

In contrast, Pithouse 2, which was only five meters to the west of Pithouse 1, contained evidence of a

living floor, with a significant collection of debitage and a small number of formal tools (3 biface fragments and 1 utilized flake). Interestingly, while the formal tools were all made from Ramah chert and Ramah quartzite, most of the debitage consisted of quartz. This is probably because there is a quartz outcrop downhill from the site toward the northern shore of the peninsula that was used extensively as a quarry. It is fine-grained white quartz with dark green streaks and inclusions making it very distinctive. Large boulders from the quarry were carried uphill and are found all round the pithouses, and appear to be the source of quartz found at the longhouse site. Much of the quartz found within Pithouse 2 and the longhouse appears to be fire-cracked, therefore their occupants may have been heat-treating it to make it better suited for tool processing. This quarry may have been one of the factors that drew Maritime Archaic people to this spot initially, although there are a lot of

variables that would make White Point an attractive spot to set up camp.

As Thomson (1989) discusses, the White Point sites are situated along a caribou trail, and during our stay there we encountered several dozen of them, including large bucks, does, and yearlings. There are also many species of migratory waterfowl and marine mammals. Its position extending significantly out into the ocean would have made it an excellent location to take advantage of migratory seal species going up and down the coast. Moreover, we were visited by a couple of polar bears as we slept, but luckily our makeshift bear fence did its job (thanks Corey!), and a couple of arctic foxes were able to steal away with the char that two of the Inuk students working with us were able to catch. Today there are plenty of faunal resources in the area, as well as several species of edible berries and herbs that grow all along the coast of Labrador. All of these resources were probably also available at the time of Maritime Archaic occupation and almost certainly would have been part of their subsistence strategies. Unfortunately, the acidic nature of the soil did not preserve any faunal material; although I retain hope that some data can be recovered from float testing soil samples taken from the various structures.

Conclusions

Obviously this report is preliminary, but initial findings are promising. Much more needs to be done and will be published in the months to come. Tentatively, it seems that the boulder pithouses hold keys to early ritual behaviour in Maritime Archaic society, although their position on top of cobble beaches may make it difficult to accurately assess the cultural deposition and subsequent taphonomy of the sites. I suspect this is one of the reasons boulder pithouses have not been excavated frequently. This may be the reason we have not seen deposits as we found in Pithouse 1 at White Point 21. It may simply be a research bias favouring longhouses and more manageable sites that do not require moving lots of heavy rocks and where there is a better chance of finding cultural material in situ. That said, the position, architecture, and ritual deposits found in the pithouses may provide information concerning increasing social complexity in Maritime Archaic society and the trajectory towards longhouses.

The longhouse we excavated at IcCp-34 has provided a wealth of artifacts for analyses. Future work will focus on trying to examine how space was organized within its walls. It appears that there are activity areas within the house, but further testing and mapping will have to be done to assess this position. Based on its position above sea level and the typology of its formal artifacts, the longhouse may be one of the earliest to


have been excavated, and, therefore, may be invaluable in our reconstruction of the residential patterning of the Maritime Archaic in northern Labrador.

Acknowledgments

This research would not be possible without funding from the National Science Foundation, The Provincial Archaeology Office of Newfoundland and Labrador, the Nunatsiavut Government, and the Institute for Earth and Man, at Southern Methodist University. I would especially like to thank Dr. Lisa Rankin of Memorial University for her generosity and guidance. I also want to thank my excellent field crew, Corey Hutchings, Meghan Negrijn, Gabriel Saurek, Richard Maggo, Edward Barbour, and Chris Brake. I also thank Ken Reynolds, Delphina Mercer, and Stephen Hull at the Provincial Archaeology Office, Heather Angnatok and Carolyn Jones from the Nunatsiavut Government, Gary Baikie and Angus Simpson from Parks Canada, Peter Ramsden, Cathy Mathias (my potential conservator) and Peter Whitridge of Memorial University, Elaine Anton at the Rooms Museum, Wayne Jenkins of AIVEK holdings in Nain, and Henry Webb and his crew. I also thank Drs. Michael Adler, William Fitzhugh, Bryan Hood, Stephen Loring, Daniel Odess, and the co-chairs of my thesis committee, Drs. David Meltzer and Torben Rick for reading and advising me on drafts of my proposal. And, as always, I want to thank my wife and daughter for their patience and support

References

- Bell, T. and M.A.P. Renouf
2003 Prehistoric cultures, reconstructed coasts: Maritime Archaic Indian site distribution in Newfoundland. *World Archaeology* 35(3):350-370.
- Fitzhugh, W.W.
1975 A Maritime Archaic Sequence from Hamilton Inlet, Labrador. *Arctic Anthropology* Vol. 12, No.2:117-138.
- 1977 Population Movement and Culture Change on the Central Labrador Coast. In *Amerinds and their Paleoenvironments in Northeastern North America*. Annals of the New York Academy of Sciences. Vol. 288: 481-497.
- 1978 Maritime Archaic Cultures of the Central and Northern Labrador Coast. *Arctic Anthropology* Vol. 15, No. 2: 61-95.
- 1984 Residence Pattern Development in the Labrador Maritime Archaic: Longhouse Models and 1983 Surveys. In *Archaeology of Newfoundland and Labrador: 1983*. Edited by J.S. Thomson and C. Thomson. Annual Report No. 4, Historic Resources Division, Government of Newfoundland and Labrador, pp. 6-47.
- 1985a The Nulliak Pendants and their Relationship to Spiritual Traditions in Northeast Prehistory. *Arctic Anthropology* Vol. 22, No. 2: 87-109.
- 1985b Early Maritime Archaic Settlement Studies and Central Coast Surveys. In *Archaeology in Newfoundland and Labrador 1984*. Annual Report No. 5. Edited by J.S. Thomson and C. Thomson. Historic Resources Division, Dept. of Culture, Recreation and Youth. Government of Newfoundland and Labrador. Pp. 48-85.

- In press A New Look at the Archaic: Settlement and Social Change in the Labrador Maritime Archaic. In *The Archaic in the Northeast: Papers from a Workshop*. Proceeding from a Symposium at the University of Maine, 13-14 October, 2001. Edited by D. Sanger and M.A.P. Renouf, University of Maine Press: Orono.
- Hood, B.C.
1993 The Maritime Archaic Indians of Labrador: Investigating Prehistoric Social Organization. *Newfoundland Studies* Vol. 9, No. 2: 163-184.
- Lee, M., and G.A. Reinhardt
2003 *Eskimo Architecture: Dwelling and Structure in the Early Historic Period*. University of Alaska Press and University of Alaska Museum, Fairbanks.
- LeMoine, G.
2003 Woman of the House: Gender, Architecture, and Ideology in Dorset Prehistory. *Arctic Anthropology* Vol. 40, No. 1: 121-138.
- Loring, S.
2002 "And They Took Away The Stones From Ramah": Lithic Raw Material Sourcing and Eastern Arctic Archaeology. In *Honoring our Elders: A History of Eastern Arctic Archaeology*, Arctic Studies Center, National Museum of Natural History, Smithsonian Institution, Washington, D.C. McGuire, R.H., and M.B. Schiffer
- 1983 A Theory of Architectural Design. *Journal of Anthropological Archaeology* Vol. 2: 277-303.
- Rankin, L.
2006 A Labrador Archaic Longhouse Site at Sandy Cove, Labrador: Life on the South Side of Groswater Bay. In *From the Arctic to Avalon: Papers in Honour of Jim Tuck. Proceedings of the Conference: "From the Arctic to Avalon: Transforming the History of Northeastern North America", St. John's, Newfoundland, October 14-16 2004* edited by: Lisa Rankin and Peter Ramsden
- Thomson, J.C.
1989 The Caribou Trail Continues: A survey of White Point, Between Saglek and Hebron. In *Archaeology in Newfoundland and Labrador, 1986*. Annual Report No. 7. Edited by J.C. Thomson and J.S. Thomson. Historic Resources Division, Government of Newfoundland and Labrador, pp. 27-51.
- Tuck, J.A.
1975a *Prehistory of Saglek Bay, Labrador: Archaic and Paleo-Eskimo Occupations*. Natural Museum of Man, Mercury Series Archaeological Survey of Canada, Paper No. 32.
- 1975b The Northeastern Maritime Continuum: 8000 Years of Cultural Development in the Far Northeast. *Arctic Anthropology* Vol. 12, No. 2: 139-147.
- 1976 *Ancient People of Port au Choix. The Excavation of an Archaic Indian Cemetery in Newfoundland*. St. John's: Institute of Social and Economic Research, Memorial University of Newfoundland.
- Wilk, R.R., and W.L. Rathje
1982 Household Archaeology. *American Behavioral Scientist* Vol. 25, No. 6: 617-639.
- Yates, T.
1989 Habitus and social space: some suggestions about meaning in the Saami (Lapp) tent ca. 1700-1900. In *The Meanings of Things: Material Culture and Symbolic Expression*. Edited by I. Hodder, pp. 249-262. London: Unwin Hyman. 

ARCHAEOLOGICAL ASSESSMENTS IN NORTHERN LABRADOR

Jenneth Curtis
Parks Canada

In September 2006, Parks Canada, accompanied by representatives of the Nunatsiavut Government and the Provincial Archaeology Office, Newfoundland and Labrador, conducted archaeological site assessments in two regions along the northern Labrador coast. These assessments are part of ongoing research to identify potential National Historic Sites in the region. We revisited archaeological sites recorded by previous researchers and encountered several new sites along the way. *Black Island, South Aulatsivik, Labrador*

Black Island is located just off the east coast of South Aulatsivik Island, about 35 km north of Nain, Labrador. The first archaeological investigation on Black Island was conducted by J. Garth Taylor (1966; 1974) in conjunction with his ethnographic research. Taylor identified the historic Inuit winter village of Khernertok and conducted test excavations around the sod houses there. In the 1970's, survey work led by William Fitzhugh (1977; 1978; PAO site files), of the Smithsonian Institution, identified several Maritime Archaic and Dorset sites as well as one Groswater site on the island, for a total of ten recorded sites.

Using the information provided on the Provincial Archaeology Office site files, our goal was to relocate as many of the known sites as possible. We succeeded in covering the north half of the island, where the majority of known sites were located. As our goal was to relocate known sites we did not conduct a systematic survey, however we did encounter four new sites along the way.

Maritime Archaic.

On a raised beach terrace to the south of the present settlement, we found two sites, Black Island 2D (HeCi-20) and Black Island 3A (HeCi-22), that were identified by Fitzhugh as Maritime Archaic. At each site we observed a lithic scatter in an exposed area surrounded by ground cover vegetation. The lithic scatters include Ramah chert and at Black Island 3A, Mugford chert, both from sources further north up the Labrador coast. Fitzhugh reports a radiocarbon date of 4140+/-110 BP for Black Island 3A (PAO site file), that is consistent with a Maritime Archaic period attribution. We searched without success, for Black Island 2B (HeCi-19), another Maritime Archaic site on the same terrace. It may have been obscured by vegetation. Though no diagnostic artifacts were observed at these sites, their

elevation on this raised beach terrace is consistent with a Maritime Archaic date.

Dorset.

Of the four Dorset sites recorded by Fitzhugh on the north half of the island we were able to locate only two. Black Island Tickle 1 (HeCi-01) is located on the middle beach terrace on the east shore of Black Island. Here we observed a lithic scatter consisting of Ramah chert flakes, but no diagnostic artifacts to confirm the

Dorset date. Black Island 1A (HeCi-16) is located in a small cove on the north coast of Black Island. Fitzhugh (PAO site file) excavated 13.5 m² here and the excavation area is clearly visible at the top of the cove. A tent ring and possible boulder structure are located against the bedrock ridge that forms the west side of the cove (Figure 1).



Figure 1. Black Island 1A Tent Ring (excavated area in lower right corner). (Curtis)

A surface scatter in the middle of the cove, just east of the structures, included a microblade core of smoky quartz, supporting the recorded Dorset affiliation of this site.

Inuit

The Inuit winter settlement of Khernertok (HeCi-15) is located on the east side of Black Island, in the cove south of the present settlement. It consists of two sod houses, a tent ring, and a midden. Khernertok is documented in the Moravian diary and census accounts; Taylor (1974:73) presents a summary of this information providing data on the inhabitants of the “First House” in the winter of 1776-1777:

This household includes the families of Kingminguse, Pualo and Nerkingoak.

Pualo’s wife Mikak is the daughter of Nerkingoak. The families of Pualo and Nerkingoak account for 12 members in a total household of 17 persons.

Khernertok had a total population of 21 persons (Taylor 1974:77), thus the second house had four inhabitants.

The two sod houses are clearly visible on the shore of the cove. They are joined by a long entrance

tunnel that bisects the eastern house before continuing on to the western house (Figure 2). The house walls are built of sod and boulders; they are approximately 1 m thick and still reach a height of 1 m from the ground surface inside the houses.

On the opposite side of the island we recorded two Inuit tent ring sites, Black Island 6 (HeCi-03) and Black Island 7 (HeCi-52), on the lowest beach terrace along Seal Tickle. Each site consists of a single tent ring, about six metres in diameter. No artifacts were observed in association with the tent rings. We also identified two boulder caches built against bedrock slabs in a cove on the western shore of the island (Black Island 8, HeCi-53).

The most prominent cultural resource on the west side of the island is the Seal House (HeCi-02), a log structure which stands on a point extending across the north end of Seal Tickle. It is approximately four metres by six metres in size and 100 years in age. This structure was used for storing seals and presently contains wooden floaters that were used with the seal nets. Associated features are evident surrounding the structure including:

the remains of wooden boats, a boulder cache, artifact clusters, and faunal remains of seals and a small whale.

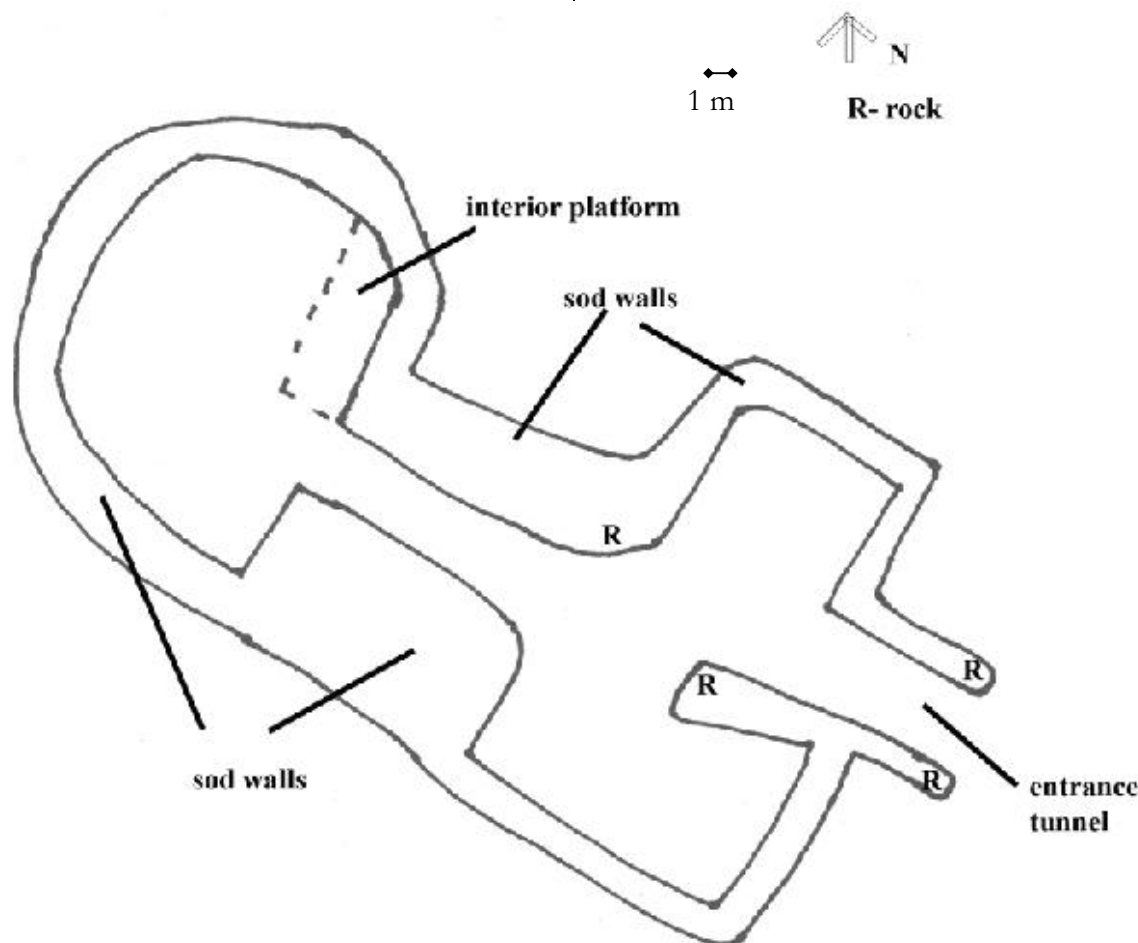


Figure 2. Sketch map of sod houses at Khernertok (HeCi-15). (Curtis)

Okak

Okak is a region of the northern Labrador coast located between 80 and 120 km north of Nain. It consists of a group of islands at the mouth of Okak Bay along with the surrounding bay shoreline. The first systematic study of the Okak archaeological sites was conducted by Steven Cox (1977) in the 1970's and archaeological research has continued in the region ever since (see for example Cox 2003; Fitzhugh 1978; Kaplan 1983; Woollett 2003). This research has documented 128 archaeological sites to date, representing all cultural periods known for the Labrador coast.

The goal of the Parks Canada visit this fall was to become familiar with the archaeology of the region by visiting several key sites, and by considering Okak from the perspective of a cultural landscape. Given the limited amount of time available and the objectives of our visit, we did not attempt to make a systematic survey for sites. Most of the sites are well documented through previous archaeological survey and excavation, therefore our visit focused on observing a number of sites rather than detailed recording. In total, we visited six

previously documented sites and encountered four new sites.

Nuasornak Island

We began our visit at Nuasornak Island where we located the Early Palaeoeskimo site of Nuasornak 2 (HiCl-01). This site consists of numerous tent rings on a series of raised beach terraces (Cox 2003). Along the north and northwest shores of Nuasornak Island we encountered two Inuit sites, Nuasornak 5 (HiCl-02) and Nuasornak 6 (HiCl-03), each consisting of a series of caches, tent rings, and graves.

Coffin Island

The row of pinnacles (slabs of rock that have been wedged upright) (see Kaplan 1983) at Coffin Island 1 (HjCk-07), midway up the bedrock slope on the north shore of the island, provided a spectacular example of the combination of cultural and natural features in the landscape of Okak. A second group of pinnacles, Coffin Island 3 (HjCk-14), is located on the top of a ridge that forms the northeastern point of the island (Figure 3). A tent ring, Coffin Island 2 (HjCk-13), was identified on the shore, in the valley between the two pinnacle groups.



Figure 2. Coffin Island 3 (HjCk-14) view to north with Kaumajet Mountains in distance. Photo by G. Baikie, Parks Canada. (Curtis)

Okak Islands

We visited several sites on the Okak Islands. Nutak 3 (HiCk-03) includes both a Pre-Dorset surface scatter and an historic cemetery. Okak 1 (HjCl-01), the historically documented Inuit winter village of Kivalekh, provided a further sense of the cultural landscape with its numerous sod houses clearly visible. Finally, we ended our visit with an overnight stop at the site of the Okak Mission (HjCl-10) in Okak Harbour.

Our fieldwork to relocate recorded sites at Black Island and visit well known sites at Okak thus resulted in updates for a total of eleven sites, along with the identification of eight, previously undocumented sites.

References

- Cox, S. L.
 1977 Prehistoric Settlement and Culture Change at Okak, Labrador. Ph.D., Harvard University.
 2003 Palaeoeskimo Structures in the Okak Region of Labrador. *Etudes/Inuit/Studies* 27(1-2):417-433. Fitzhugh, W. W.
 1977 Indian and Eskimo/Inuit Settlement History in Labrador: an archaeological view. In *Our Footprints are Everywhere*, edited by C. Brice-Bennett, pp. 1-41. Labrador Inuit Association, Nain.
 1978 Maritime Archaic Cultures of the Central and Northern Labrador Coast. *Arctic Anthropology* XV(2):61-95.
 Kaplan, S.
 1983 Economic and Social Change in Labrador Neo-eskimo Culture. Ph.D., Bryn Mawr College.
 Taylor, G.
 1966 *Field Notes - Site Survey in the Nain Okak Area, Northern Labrador*. Newfoundland Museum.
 1974 *Labrador Inuit Settlements of the Early Contact Period*. Publications in Ethnology, No. 9. National Museum of Man, Ottawa.
 Woollett, J. M.

- 2003 An Historical Ecology of Labrador Inuit Culture Change. Ph.D., The City University of New York. 

2006 FLEUR DE LYS ARCHAEOLOGICAL PROJECT FIELDWORK SUMMARY

John Erwin and Amanda Crompton
 Memorial University of Newfoundland

In July 2006, the Fleur de Lys Archaeological Project welcomed back the Memorial University Archaeology Field School to resume excavations at Cow Cove 3 (EaBa-16), and to begin a new operation at French Island Tickle (EaBa-19). Excavations at Cow Cove 3, a Groswater and Dorset multi-component camp yielded a number of surprises, including preserved organic artifacts and hundreds of pieces of soapstone debris, neither of which were encountered in the previous years of excavations. Work at French Island Tickle confirmed the French use of this site during the late 17th century, and a Dorset cultural affiliation for the lithic materials that were found below this historic occupation.

Cow Cove 3 (EaBa-16)

At Cow Cove 3, the naturally deposited layers of mussel shell partially neutralized the acidity of the soils and facilitated the preservation of hundreds of faunal samples, as well as a number of organic artifacts (Figure 1: top row: awl, bottom row (left to right) preform, socketed single holed endblade, endblade preform, needle). All of these specimens were recovered on the last day of excavations from two adjacent 1x1m units. The shape of the point and the technique of its manufacture indicate that it was fashioned by the Dorset occupants of the site. The physical proximity of the

other organic artifacts suggests that they are also Dorset in origin. The lack of such artifacts in other areas of the site further suggests they are part of an isolated activity area adjacent an ancient beach line. The presence of soapstone debris along the eastern edge of the site links the use of Cow Cove 3 to Fleur de Lys 1 (EaBa-1), the soapstone quarry in Fleur de Lys. While hundreds of pieces of soapstone were found, none of the specimens showed any sign of use, but rather, were comparable to debris associated with vessel finishing practices observed in Fleur de Lys.

French Island Tickle (EaBa-19)

French Island Tickle (EaBa-19) is located on the western end of French Island in the southern portion of Coachman's Cove Harbour. The site is situated adjacent the ocean, atop two grassy beach ridges that are approximately 3 to 4 meters above sea level. The site overlooks a narrow tickle that separates French Island from the eastern end of the long peninsula that borders the southern portion of Coachman's Cove harbour.

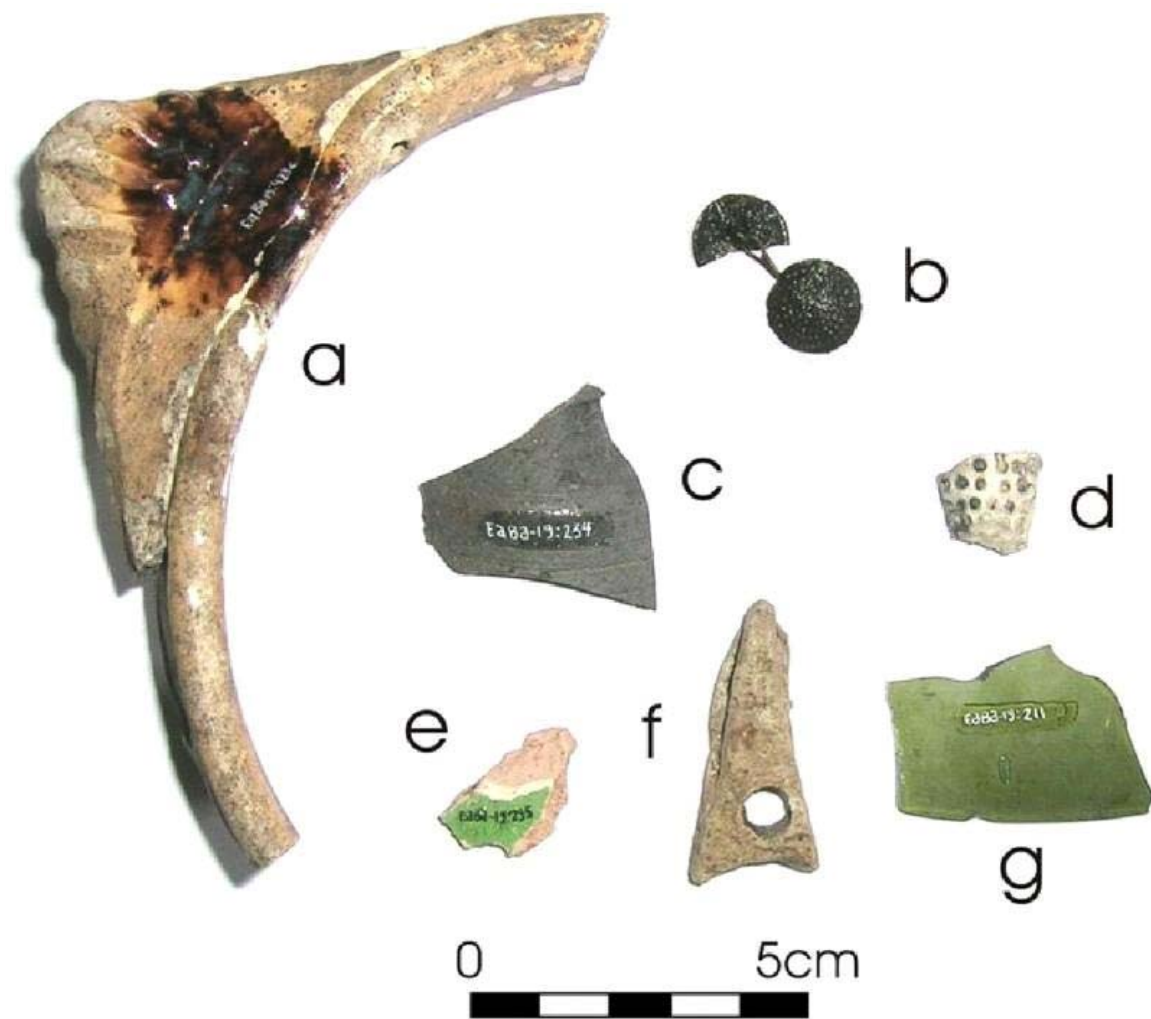
The site was discovered in 2000 as part of Erwin's survey of the Baie Verte Peninsula. An historic French component of undetermined date was identified overlying a prehistoric use of the site, tentatively identified as Dorset Palaeoeskimo. The 2006 excavations confirmed the French use of the site dating to the later seventeenth century, and the prehistoric use to that of the Dorset.

The investigation of the historic component of French Island Tickle resulted in the recovery of a sample of almost exclusively French ceramics, including Normandy stoneware, Saintonge coarse earthenwares, and Beauvais coarse earthenware. Numerous fishhooks and lead line weights indicate this site was used as fishing premises. Additionally, gunflints, and sprue from lead shot manufacture may indicate evidence of hunting activities. The presence of numerous large wrought iron nails amidst charcoal remains also suggests an extensive destruction layer of an historic structure. The recovery of food service vessel fragments and stemware also indicates a domestic use of the site (Figure 2: (a) Beauvais coarse earthenware, (b) copper cufflinks, (c) Normandy Stoneware, (d) pipe bowl fragment (Mulberry), (e) Saintonge coarse earthenware, (f) lead fishing weight, (g) bottle glass).

This site is significant insofar as it is the first undisturbed French site to be excavated on the Baie Verte Peninsula with good archaeological potential. Additionally, the site's early date places it in a period for which we have very little documentary and cartographic information. Further excavation at this site should prove useful for extending the interpretation of the French shore in this area, beyond the limitations of the historic record.



Cow Cove 3 organic artifacts. (Erwin & Crompton)



French Island Tickle artifacts. (Erwin & Crompton) 

**CONCHE ARCHAEOLOGY PROJECT:
SALMON NET (EFAX-25) SUMMARY OF 2006
FIELDWORK**

**Mary Melnik
Memorial University**

In 2006, the Conche Archaeology Project, part of The Northern Peninsula Archaeology and Landscape History Program, returned to the beautiful town of Conche on the northeast coast of the Great Northern Peninsula. The research project this past summer focussed on Salmon Net (EfAx-25), a Groswater Palaeoeskimo site located south of Conche on the east side of the Fox Head Peninsula. Bradley Drouin (2005) identified Salmon Net during a 2004 survey of the region, and his primary data indicated that it was a site of high archaeological potential that would yield particularly good evidence of Groswater Palaeoeskimos. Thus, excavations at Salmon Net were initiated by Dr. M.A.P. Renouf and supervised by her graduate student Mary Melnik as part of her M.A. research project.

Ms. Melnik's primary research objective is to compare the data from Salmon Net with other Groswater occupation sites in Newfoundland, particularly those on the west coast of the Northern Peninsula, in order to better understand Groswater culture. Prior to the identification of Salmon Net and the 2006 excavation of the site, there had not been a Groswater site identified or investigated on the east coast of the Northern Peninsula. Thus, the fieldwork from this summer serves to bridge a gap of time and space in our knowledge of Groswater occupation of Newfoundland.

The summer began with unpredictable circumstances as a polar bear wandered into Conche at the beginning of June, just days before the fieldwork was supposed to begin. The start of the excavations was consequently delayed a few days but fortunately we proceeded without incident and from then on things ran quite smoothly. Thanks to a very hard working and efficient team, which consisted of Todd Kristensen, Justin Foley, Dan Melnik, Mark Penney and Mary Melnik, over the seven-week field season we were able to

open up an area of 38m²; 31m² of which was excavated down to sterile. Some of the most interesting and significant finds, which will be discussed below, were the amount of fire-cracked rock in the cultural Level 3, the quantity and diversity of diagnostic artifacts collected, and the structural evidence we uncovered.

One aspect of the excavation that left an impression was the amount of fire-cracked rock (FCR) we encountered throughout the cultural Level 3. The cultural Level 3 was literally cemented with FCR, layer upon layer, and in most places it seemed like there was more FCR than soil. Presumably, the reason why we found so much FCR at Salmon Net is because of intensive hearth activity and that rocks were used to aid in cooking and/or for warmth. In other words, there could be a lot of FCR because this was a processing site and a lot of cooking or smoking of meat was taking place, and/or this could be a cold-season site rocks were continuously being heated to keep warm. The amount and use of heating rocks and hearth activity may be a factor of the apparent lack of soapstone vessel use in Groswater technology for creating heat and light.

In total 829 artifacts were collected, all of which are characteristically associated with Groswater Palaeoeskimos. We found numerous examples of “typical” Groswater tools, including box-based, side-notched endblades; a variety of thin, asymmetrical, corner notched bifaces; chipped and ground burin-like tools; circular, ovate and triangular sideblades; rectangular ‘eared’ and triangular scrapers; concave side-scrapers; and microblades (Tuck 1987; Renouf 2005). However, a number of different or unusual artifact styles and artifact types were also identified.

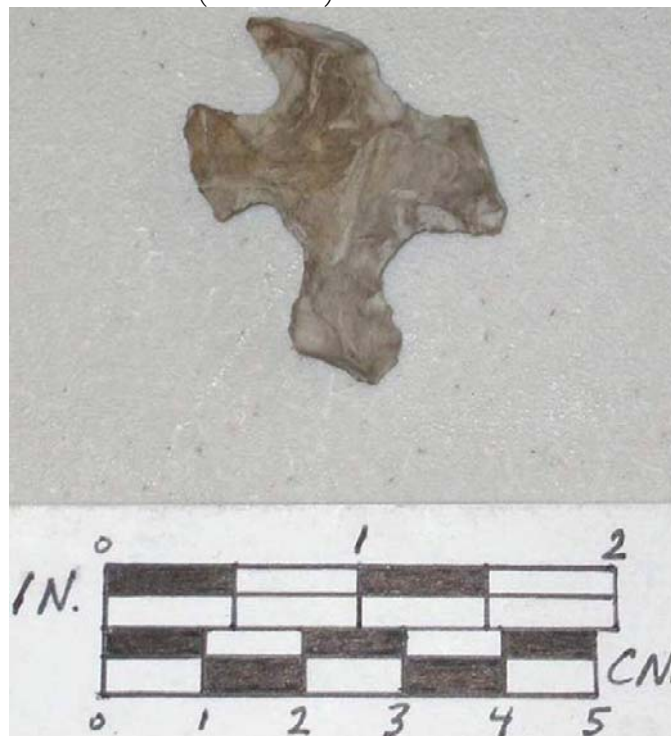


**Selected Chert Endblades from Salmon Net (EfAx-25).
(Melnik)**

To begin, a range of endblade styles were recovered. When excavation of the cultural Level 3 got underway, we found very finely made, often ground and serrated endblades. Many of these are similar to those found at Phillip’s Garden West, which Renouf (2005) has

labelled a Groswater variant. As excavations continued it was noted that the endblades further down in Level 3 were similar in form but not as finely made, nor were they ground or serrated like those we had been finding at first. Finally, a few particularly small endblades were also unearthed, which, because of their size (and the technology) seem more likely to be arrow points.

Besides endblades, we also found four unusual scrapers/side-scrapers, including one spoke-shave; two abraders, one was fine grained and therefore probably used to grind bone and the other was coarse and probably used to grind stone; a pecked stone; a few pieces of soapstone, including one piece that was worked; and a roughly knapped artistic representation made on low-lustre chert. Furthermore, the excavations revealed an unusual group of stemmed sideblades and a group of solificified slate adzes, which are reminiscent of solificified slate artifacts (particularly adzes) from Pre-Dorset contexts (Cox 1978).



Artistic Representation on Chert. (Melnik)

In total 17 features were identified, including structural evidence from the original occupation of the site, at the bottom of cultural Level 3. For example a post hole and semi-circular clay mounds, which appear as though they would have been formed on the inside of a skin tent to keep out the draft, were identified. From the various features, and structural-type slab rocks, it was determined that at one time there was a semi-circular or oval structure at Salmon Net.

Informal interviews with local people from Conche, as well as our own observations, yielded some information about potential economic reasons why

Groswater people would have occupied Salmon Net. Cyril Foley, a local fisherman, told us that the best place people have traditionally hunted seals was just off the coast of the Salmon Net site. This is a good location for sealing because it is the most common area for the ice edge in the winter and it is where the ice first breaks up in the spring. Mr. Foley also said Salmon Net is a great spot to go bird hunting in the spring, particularly for sea ducks. Importantly, and as was common knowledge to most residents of town, there is tremendous salmon fishing off Salmon Net. Furthermore, we observed porpoises, capelin, sea birds besides ducks, fox, and whales. Black bears are also common to the area in general and during more ancient times caribou and arctic hare may have been abundant in the area. Clearly, based on animal resources, Salmon Net could have been and was an attractive habitation spot for Groswater Palaeoeskimos for many reasons, throughout much of the year.




Groswater Endblades In Situ (Melnik)

The data uncovered during the 2006 field season will make a great contribution to our understanding of Groswater Palaeoeskimos. However, there is also much more to be discovered at Salmon Net. Upon leaving the site after the seven-week field season, it was felt that we had just scratched the surface of what cultural material was there. For example there were some large boulders in the east wall of the excavation, which we thought might be the axial feature or main hearth of a structure, but time did not permit us to explore this possibility further. Furthermore, Drouin (2005) reported that this site defines a large area and there is a lot more land to explore and excavate. Hopefully this review of the 2006 field season at Salmon Net, as well as Mary Melnik's M.A. thesis (2007, in progress), will inspire future research at the site and of Groswater Palaeoeskimos in general.

References

- Cox, Steven L.
1977 Palaeo-eskimo Occupations of the North Labrador Coast. In *Arctic Anthropology* 15(2): 96-118.
- Drouin, Bradley
2005 Report of the 2004 Field Season at Conche, Englee, Croque, and St. Julien's. Prepared for the provincial Archaeology Office, Department of Tourism, Culture and Recreation Government of Newfoundland and Labrador.
- Tuck, James
1986 Prehistory of Atlantic Canada. Unpublished Manuscript on file at Memorial University of Newfoundland, St. John's.
- Renouf, M.A.P.
2005 Phillip's Garden West: A Newfoundland Groswater Variant. In *Contributions to the Study of the Dorset Palaeo-Eskimos*, edited by Patricia D. Sutherland, pp. 57-80. Mercury Series.



Salmon Net Excavation, View North. (Melnik) 

ARCHAEOLOGY OF THE PETIT NORD

Peter Pope

Memorial University

Dr. Peter Pope and a crew from Memorial University in St John's spent the summer, based in Conche, on the east coast of Newfoundland's Great Northern Peninsula, working on an early modern Breton fishing station at Dos de Cheval, Crouse (EfAx-09). From about 1504 until 1904, fishermen from the French provinces of Brittany and Normandy set up shore stations every summer in this area, which they called "the Petit Nord". During a regional survey in 2004, we identified Dos de Cheval as having high potential. It is one of a cluster of fishing rooms scattered around Cape Rouge Harbour. Breton crews are documented here as early as 1541, when Jacques Cartier pressed them for provisions. Our site, traditionally known as "Champ Paya" or "Chien Pagan", appears in official French surveys from 1680 on. We concentrated on three areas: A, where the standing remains of several 19th-century structures are still evident; C, where we landed our boat every day, just as fishermen landed theirs day in day out, centuries ago; and D, which is overlooked by a large oak cross, for centuries a typical feature of Breton fishing rooms.

The waterfront Area C, where our fishing crews would have had their stages turned out to be the most productive. Excavation indicates that the whole second beach terrace here is anthropogenic -- alternating pebble and stone fills laid down since Europeans first used this fishing room, probably sometime about 1510. We found iron nails on the original cobble beach, lying about 75 cm below the present sod. In working our way down to the beach we also recovered an axe, numerous fish hooks, brass buttons, lead jiggers and casting waste, a surprising number of musket balls and gun flints, Normandy stoneware (both Domfront and Cotentin), as well as 18th-century brown faience and early modern coarse earthenwares with a Breton look, including pots which closely resemble type examples from the early modern kilns at Pabu-Guingamp, not far from the Breton fishing port of St Brieuc.

We also encountered the remains of one of the fishermen we were looking for, although we did not

expect to find one, in person, on the beach. This was a robust, adult male, perhaps middle-aged, judging by his worn teeth. He is about 175 cm tall (say 5' 10"). There are some indications of violence, particularly a 5 cm diameter circular hole in his forehead. He was interred in a shallow grave cut into the original beach, on his back, his hands clasped in front of him, facing almost exactly magnetic east. A large spike lay across his face and several non-human long bones, perhaps from a caribou, lay under and about his cranium. There was no sign of clothing. Artifacts in associated strata suggest that the burial dates before 1700. With the advice of Archaeology Unit conservator Cathy Mathias, our lab assistant Sarah Newstead got him back to the lab in St John's in the same number of pieces in which we found him.

Wet weather and the excavation of human remains cut into the time we had for survey work. We did manage to get to the Grey Islands. At Frenchman's Cove (EeAv-03), we identified a large early modern fishing station, consisting of large subrectangular cobble platforms, where we collected the base of a large coarse earthenware jar. We also recorded Grey Islands Harbour Cemetery (EeAv-02), which was in use by Anglo-Irish livyers c. 1850-1950. We revisited Northeast Crouse (EfAx-11), where we located and measured a group of nine memorial oak crosses, as well as collecting more Normandy stoneware in surface survey. A day trip just north of Cape Rouge enabled us to locate the early modern French fishing station at Pilier. Several features, including a possible bread oven and a possible ramp are still visible but we did not recover a single artifact.

This was the first year of a planned three-year investigation: *An archaeology of the Petit Nord: the maritime cultural landscape of the French, seasonal, shore-based, salt-cod fishery in northern Newfoundland, 1510-1904*. Our research is sponsored by SSHRC, with the help of our local partners, the French Shore Historical Society (FSHS), the Quebec Labrador Foundation (QLF) and the Smallwood Foundation for Newfoundland and Labrador Studies. Thanks to our hard-working crew of Harley Brown, Melissa Burns, local FSHS excavator Margie Lewis, QLF volunteer Katie Montgomery, FSHS lab assistant Selina Byrne and lab supervisor Sarah Newstead.



Cobble galets for drying fish, Frenchman's Cove, EeAv-03. (Pope) 

SANDWICH BAY ARCHAEOLOGICAL RECONNAISSANCE

Lisa Rankin

Memorial University

During the summer of 2006 I undertook two small archaeological projects in coastal Labrador. The first project was part of the Porcupine Strand Archaeology Project and took place in the Cartwright area over 10 days in mid-July. With the assistance of Peter Ramsden of MUN and Lewis Davis of Cartwright we surveyed several new locations in Sandwich Bay and the adjacent area for traces of early historical Inuit, Métis and European settlements. While I have been working in the Porcupine Strand area for the past five years, locating and excavating archaeological sites ranging from the Maritime Archaic of seven thousand years ago up to the historic period, for the past three years, the focus has been the excavation of a sixteenth to seventeenth century Inuit settlement at Snack Cove on Huntingdon Island, where we have investigated three sod-walled winter houses, and have recovered artifacts of both Inuit and European manufacture.

The goal in the 2006 reconnaissance was to locate other sites similar to Snack Cove to expand the knowledge of the early historic Inuit and later Métis

occupation of the Sandwich Bay area and establish a research agenda for the 2007 season. I visited a number of locations around Sandwich Bay, and on the nearby coasts and islands and located several sites of early historic Inuit houses, one on an island in Indian Harbour on the west side of Huntingdon Island which I plan to excavate over the next few years. In conjunction with the Labrador Métis Nation and several other scholars of Labrador Inuit and Métis culture, I have applied for a research grant from the Federal Government to support the excavations, and employ local youth to work on the project.

I also returned to several of the sites already located by the Porcupine Strand Archaeology Project in order to tie up some loose ends with photography and maps.

White Point Reconnaissance

In addition to my work in the Cartwright area, I also conducted a study of earlier cultures in Northern Labrador. In 2006, after the Sandwich Bay survey, I moved north to White Point near Saglek Bay to several weeks investigating Maritime Archaic and Paleo-eskimo settlements. My crew of three Memorial university archaeology students - Christopher Brake, Corey Hutchings, Meghan Negrijn, and three Inuit students from Nain - Edward Barbour, Richard Maggo, and

Gabriel Suratak had already made the journey to White Point ahead of me and were assisting Chris Wolff on his PhD research on two Maritime Archaic sites on White Point. When I arrived we split the crew so that a part of the crew would come and survey with me each day, and everybody had a chance to both survey and excavate. During the White Point survey we returned to many of

the sites originally recorded by Gerald Penney and Callum Thomson in 1986 – expanding on their work through mapping and more intensive investigation of some sites. We also recorded several new sites including Maritime Archaic longhouses and Inuit camps.



Inuit site on Indian Harbour Island, Labrador. Photo credit: Peter Ramsden. (Rankin)



Richard Maggo surface collecting at White Point, Labrador. Photo credit: Lisa Rankin. (Rankin) 

**GEOARCHAEOLOGICAL INVESTIGATIONS
AT ASHUANIPI LAKE, LABRADOR**

**Richard L. Josephs, Scott W. Neilsen, and Jamie
Brake**

**University of North Dakota
Memorial University**


During August 2006, Dr. Richard L. Josephs, geoarchaeologist from the University of North Dakota, collected micromorphological samples at two Innu sites along Ashuanipi Lake, Labrador: the Ferguson Bay 1 site (FfDn-01) excavated by Mr. Jaime Brake (M.A. student, Memorial University of Newfoundland) and the Ashuanipi Lake 8 site (FeDn-01) excavated by Mr. Scott W. Neilsen (Ph.D. student, Memorial University of Newfoundland). Micromorphology is a geoarchaeological technique that investigates undisturbed soil or sediment in thin section – a three-dimensional translucent slice of the sedimentary matrix. The thin sections are examined with a petrographic (polarized-light) microscope through which various distinguishing optical properties produced by the constituent mineral grains and organic matter are analyzed. Micromorphology is used to answer questions concerning the composition, microstructure, provenance, and depositional history of the soil or sediment, to infer paleoclimate conditions under which the sediments were deposited or the soils formed, and to

distinguish between natural (geogenic, pedogenic) and cultural (anthropogenic) processes that have affected the habitation site.

A total of 20 samples (sample boxes) were collected from the walls (profiles) of archaeological test units at the two sites: seven from the Ferguson Bay 1 site (FfDn-01) and thirteen from the Ashuanipi Lake 8 site (FeDn-01). Each sample box produces two 75 x 50 mm thin sections. At the time of this writing, approximately half of the samples have been prepared.

One of the principal goals of this investigation will be the microscopic examination of clay lamellae observed in the soil profiles at each site, specifically their potential use as a pedogenic dating tool. Clay lamellae form as percolating water, carrying clay particles in suspension, deposits the clay in thin, roughly horizontal, bands. Soil composition and degree of lamellae development can be used as a quasi-numeric age indicator for the soil. Micromorphology will also provide clues to the depositional development of a linear, elevated feature that forms the lakeside boundary at each of these sites. These low ridges paralleling the lake shore appear to be “lacustrine levees,” likely formed by regional flooding associated with the complex interplay of glacial meltwater entering the lake and isostatic rebound of the land surface.



Richard Josephs collecting a micromorphology sample at the Ferguson Bay 1 site. (Josephs, Neilsen & Brake) 

**PROVINCIAL ARCHAEOLOGY OFFICE 2006
FIELDWORK**

**Blair Temple, Stephen Hull & Ken Reynolds
Government of Newfoundland and Labrador**

Fort Townshend

In late November 2006, Blair Temple of the Provincial Archaeology Office monitored the excavation of a large trench in front of The Rooms cultural complex, located at Fort Townshend (CjAe-23), St. John's. The large trench, measuring approximately 9 metres in length by 2.5 metres in width and approximately 1.5 metres deep, is located approximately at the rear of the old St. John's Regional Fire Station, and will contain the concrete base on which a large sign is

proposed to be built. The specific area was of immediate archaeological concern because it lies close to the known location of one of the sally-ports, as well as near the presumed locations of infantry barracks, the Governor's house and the regimental magazine. Mechanical excavation and monitoring of the trench took just one day, and no cultural material related to either the military or later occupations was recovered. In fact the only things found were the portion of a concrete foundation and partial concrete floor, both likely associated with the now dismantled fire hall. Also uncovered were inactive storm sewer pipes, also presumably associated with the fire hall.



Area of concern at 'The Rooms'. (Temple)



Portion of a concrete foundation and partial concrete floor uncovered at 'The Rooms'. (Temple)

In December 2006, Blair Temple went to Sheshatshiu, Labrador, to monitor the excavation of a drainage ditch in the community. This ditch was designed to deal with the excess water that would result from the impending spring thaw, allowing the run-off water to run into Lake Melville and not flood local residents' basements. The elevations of the project area suggested that Recent Indian sites and possibly Intermediate Indian sites could be present, based on evidence from previous archaeological research in the community. With the assistance of Guy Fairplay, an employee of Innu Environmental in Sheshatshiu, the forest growth first had to be cut down and removed. However, logistic problems quickly developed and the mechanical excavation became delayed. Subsurface test-

pitting was eventually employed, despite the fact that the entire project area was covered in silt which had accumulated there over the decades from past run-offs, and that this silt had frozen to the near consistency of concrete. Regardless, test pitting was successfully conducted through out the project area, producing no pre-contact or historic cultural material in any pit. The backhoe did eventually arrive, and the mechanical excavation was monitored, again producing no cultural material.

Attempts were also made during the Sheshatshiu trip to visit known archaeological sites in the community and the nearby area. However, given the snow cover at that time, none of the sites were visible and their locations difficult to determine.



The top portion of the Sheshatshiu project area, with a test pit visible in the picture. (Temple)



The Sheshatshiu project area after the trees were cut (taken from the bottom portion of the project area). (Temple)

Back Harbour, Twillingate

In November 2006, Ken Reynolds and Blair Temple of the Provincial Archaeology Office (PAO), and Dr. Pricilla Renouf and Patricia Wells of the Archaeology Unit, Memorial University of Newfoundland (MUN), traveled to Back Harbour, Twillingate, to locate and visit archaeological sites excavated by Don MacLeod of the National Museum of Man between 1966 and 1969 (DjAq-1 to 9). During those years, MacLeod identified and either excavated or surveyed nine sites, including the Maritime Archaic cemetery known as the Curtis Site (DjAq-1), a large unfortunately disturbed Dorset site (The Anstey site, DjAq-2), another *possible* Maritime Archaic cemetery (DjAq-7), as well a number of sites that show signs of extensive woodworking activities (DjAq-5 for example).

During the trip, many of the sites excavated by MacLeod during the late sixties were located using information obtained by the PAO (with the assistance of the Provincial Museum) from the Canadian Museum of Civilization, and from Don Macleod himself. The sites whose locations could be identified were visited, their exact locations finally recorded, and state of the site assessed, and when present, diagnostic cultural material collected. Jim and Rob Anstey were extremely valuable in helping us relocate these sites – Jim actually worked with MacLeod during the late sixties and could remember the location of many of the excavations. Special thanks to the Anstays for their hospitality. Earlier in 2006, Ken

Reynolds made two trips to Back Harbour on site evaluations issues, and identified several new sites in the process.

Based on the quantity of material found by local residents over the past several years in areas not previously recorded, the area shows tremendous promise for undiscovered Maritime Archaic and Dorset sites. Groswater and Beothuk material has tentatively been identified in some of the collections as well. In the weeks following the trip to Back Harbour, the PAO obtained further field notes, maps, catalogue notes, etc., pertaining to the Back Harbour sites, and the final mystery sites were identified and locations determined.

The trip was also planned so that consultation could take place with the general public and the Town Council of Twillingate, to inform them that the PAO and MUN is interested in seeing archaeology take place in the Back Harbour area again, and to get local views and opinions on the matter. This public consultation and the meeting with the town council was positive, showing that people in the area are very keen on seeing archaeology take place there again.

Work continues on the Back Harbour sites and their collections in preparation for anticipated field work by MUN during the summer of 2007, pending approval of funding.

South Brook Park

In early May Stephen Hull & Ken Reynolds traveled to the west coast of the island to conduct a

salvage excavation of the South Brook Park site (DgBj-03). This site was originally found by David Reader in 1993 while he was surveying portions of the Bay of Islands and interior areas. At the time of its discovery Reader recorded the site as being badly disturbed with both a road and a water pump house built in the middle of the site along with other forms of disturbance. Despite this Reader returned to the site over three years (1993, 1994 & 1998) and was able to recover several early looking quartzite projectile points, a lot of quartzite and a small amount of chert detritus and a fully channeled gouge, all of which are indicative of an early Maritime Archaic Indian presence. In 1998 Reader recovered charcoal which was AMS dated to 5140 ± 50 BP (Beta 122766) which briefly made South Brook Park the earliest known archaeological site on the island.

In 2005 the park was sold to private developers and Aardvark Archaeology conducted an historic resources impact assessment of the site. Knowing the disturbed condition of the site, the PAO believed what remained could and should be quickly salvaged. In particular we were interested in finding more early artifacts or charcoal. We excavated a total of four m² and seven test pits.

Initially we were encouraged with regard to recovering charcoal. One of the first units we opened had a large charcoal stain running through its centre. The charcoal staining appeared to be in primary context with a large chunk of milk white quartzite just a few centimeters away.

Upon completion of the four units and test pits we concluded that the area that had not been previously excavated. In the end we did not recover any further artifacts and unfortunately the charcoal returned a recent date.



Fully channeled gouge recovered by Reader. (Hull)



Charcoal stained unit with quartzite chunk. (Hull)
Gros Morne, North Arm, St. Andrews & Margaree

In July Stephen Hull again traveled to the west coast. This trip involved several small projects to check on possible sites but it also included the delivering a lecture on the history of archaeology in Gros Morne National Park at the Woody Point Interpretation Centre.

Also on the agenda was a trip up North Arm in the Bay of Islands. The mouth of the brook at the head of the arm revealed some unusual historic resources. At least four separate piles of rock were found stretching across the brook mouth. Two were on land on either side of the brook; the other two were in the water. Cut logs were visible in and amongst three of the four rock piles. It is suspected the piles were part of some sort of bridge that crossed the brook; however they are not in a straight line. From the cursory look we had that day it did not appear anyone had ever lived in the area. Which begs the question, why would someone go through the trouble of making a bridge to cross a brook when no one lives nearby?



Southern shore of North Arm. (Hull)



Rock piles (white arrows) at the mouth of the brook in North Arm. (Hull)

The next task on the list during the west coast trip was to meet an individual from St. Andrews (Codroy Valley) who believed he had found a Norse site. The gentleman took me to an area overlooking the mouth of the Little Codroy River and pointed out a large earthen mound near the edge of a hill. The mound was a little more than a metre wide, at least a metre high and about 10 metres long. It appeared to be a natural mound. Four test pits confirmed this.

The last task was to check on the location of an abandoned graveyard located in the backyard of a newly constructed house in Margaree. The PAO was contacted

in the spring by a surveyor who had surveyed the land for the new house. He was concerned that the house construction would impact the graves. We contacted the land owner and he told us he was aware of the graves and had no intention of disturbing them.

The graveyard was very small with just two apparent burials, both with headstones dating from the late 19th – to early 20th century.

Tors Cove

In July, a local individual reporting human remains eroding from an abandoned cemetery contacted the PAO.

Stephen Hull & Lena Onalik drove to Tors Cove to check on it. On arriving at the town, we drove to the town's vacant fish plant and wharf where there were several local people. When we mentioned what we were looking for they immediately pointed us toward the abandoned cemetery where the remains were eroding. Our initial view of the cemetery quickly revealed the location of the remains.

The cemetery is located to the south of the fish plant atop a ~ 30-foot hill. It measures ~35m north south by ~10 m east west.

Over the next few hours, approximately 18-23 burials were noted which were made apparent by small natural unmarked rocks. The suspected number of burials varies so widely because it is difficult to tell whether the stones were marking the head, foot or both of a grave. In addition, five burials have formal headstones, several of which include legible text, the earliest of which dates to 1812. The legible text include

the names 'Elizabeth Driscoll Blackler, died 1812'; 'Samuel Blackler'; 'Frances Lonergan, died 1826'; 'Edward Forteau, died 1833'; and his wife 'Judy, died 1871'.

At the north end of the cemetery, we found the remains of a large wooden cross that would have marked the location of the cemetery. The cross was large enough to have been seen from anywhere in the community. All that remains of the cross is the vertical portion and a large slab of concrete into which the cross was set.

After recording the cemetery and its burials, we returned to the beach to look for eroding human remains. Approximately half way up the hill, we saw what appeared to be two long bones. We collected a tibia and fibula. The PAO has contacted the local Catholic Church about the cemetery and having the remains reburied.



Eroding bank in Tors Cove where human remains were found. (Hull)

L'Anse au Diable

In the summer, the PAO had visited the site of a proposed fur farm to be constructed at L'Anse au Diable to assess the damage caused by land clearing.

Upon arriving in L'Anse au Diable the damage done by a large front-end loader was evident. The topsoil of the area, nearly 20,000m², had been scraped off and pushed into several large piles all in excess of two metres tall. No historic resources were found during a search of the disturbed area. Later in the fall an historic resource assessment was conducted by an

archaeological consultant during which a precontact site was found. (see **Report Of Activities 2006 - Gerald Penney Associates Limited**)

While in the L'Anse au Diable area a search was conducted for several older archaeological sites that had not been revisited in several years. There was an attempt to find the Arrowhead Mine site (EjBe-16) but this was unsuccessful. It is evident that the given location on record at the PAO for this site is incorrect. There was also a search for the Juniper site (EjBe-15) which was successful.



Damage done by front-end loader in L'Anse au Diable. (Hull)

Black Bank Beach

During the summer, the PAO learned of a shipwreck that had washed ashore on the beach in Black Bank Park. Locals in the area believed the wreck was possibly from one of two Basque ships that are recorded to have wrecked in the area early in the 16th century. After receiving further information about the wreck, including mapping and recording provided by Stuart Barnable and Mark Penney, wood analysis of portions of the wreck and consultation with the Underwater

Archaeology Service, Parks Canada regarding construction of the ship, it was determined that the vessel was probably that of a 19th century or early 20th century origin.

In the fall, the PAO decided that the best course of action to take in order to protect and preserve the wreckage was to bury it on the beach in close proximity to where it was found. The re-burial was carried out in November and was monitored by the PAO.

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Burying the Black Bank shipwreck. (Hull) 

POT SHERDS, PORTAGES AND A TRAIL OF STONES: AN ARCHAEOLOGICAL RIVER SURVEY FROM SOUTHWEST NOVA SCOTIA

Benjamin C. Pentz

Memorial University

Between May and October 2006, I conducted an archaeological survey of the upper Mersey River and the Allains River, in Annapolis County, southwest Nova Scotia. The goal of my research was to establish archaeological evidence that these two

watersheds formed an important travel corridor across the peninsula of southern Nova Scotia, between the Bay of Fundy and the Atlantic Coast. Prior to this investigation several archaeological studies had already been conducted along the lower half of the Mersey River – in Kejimikujik National Park & National Historic Site (Ferguson 1985, Myers 1973), around the Lake Rossignol Reservoir (Christianson 1985), and along the lower Mersey River toward Liverpool (Lewis 2006, Stewart 2005). The results of these earlier projects produced over

200 pre-European Mi'kmaq sites. These sites demonstrate a continued use of the lower (Queens County) portion of the Mersey River as far back as the Middle Archaic Period (7000-5000 years ago), with suggestive evidence that even earlier occupations may also be represented.

Archaeological evidence of native occupation from the upper Mersey River, north of Kejimikujik National Park was noticeably missing from this collective research. With the intense settlement and exploitation of resources along the lower Mersey River, I felt it was illogical to conclude that the Mi'kmaq and their ancestors would not have continued further up-stream. Instead, I believed the absence of recorded sites along the upper Mersey River and most of the Allains River drainage was simply because previous archaeological investigations had never focused on this area. Therefore, the primary goal of my thesis became to establish archaeological evidence of a pre-European Mi'kmaq presence along the Upper Mersey River and Allains River drainage. Following this, the significance of an identified native presence could be explored within regional patterns of seasonal subsistence and mobility. By conducting this research I hoped to provide a more complete picture of the history of this landscape, so that future discussions of the Mersey River could refer to the whole watershed.

Mi'kmaq oral tradition describes the Upper Mersey and Allains River Corridor (UMARC) as one of many travel routes along the interior lakes, rivers and streams of southwest Nova Scotia (Ricker 1998). Indeed, many of these routes continued to be used by both native and non-native guides into the twentieth century. Historic references as early as 1685-86 by French Intendent Jacques de Meule, record traveling between Port Royal (now Annapolis Royal) and Port Rossignol (now Liverpool), in birch bark canoes with Mi'kmaq and Acadian guides along these same waterways and portage routes (Morse 1935).

In late May 2006, I organized a reconnaissance canoe trip through the UMARC to identify areas of high archaeological potential along the route, and to gain a first-hand appreciation of the landscape that I would be immersing myself into during the course of this research. The second stage of my preliminary fieldwork involved talking with members of local First Nations (Bear River and Acadia), historical societies, collectors, residents, property owners, and other archaeologists, to gather as much local knowledge, from as many sources as possible. After securing all the appropriate permits and landowner permission, as well as organizing accommodations at the Mersey Tobeatic Research Institute, and sorting out the logistics of remote access, I began planning my field

strategy. In order to reasonably survey a river corridor that was 63km long in a single field season, I divided the study area into nine regions, with the goal of identifying at least one pre-European Mi'kmaq site in each region. The high potential test locations within each region identified during the reconnaissance canoe trip were prioritized, and a field schedule for visiting these locations throughout the summer was put in place.

With a borrowed canoe from Kejimikujik National Park, and the old family van, I set out with Devin Fraser – an Anthropology student from Saint Mary's University – and a handful of part-time volunteers, and began seven weeks of field-testing along the UMARC. The efforts of last summers fieldwork resulted in the identification of twelve new pre-European Mi'kmaq activity sites – including campsites and fish weirs, and follow-up visits with local collectors has resulted in the recording of three additional sites, bringing the total to fifteen. Several historic period European sites, including an early nineteenth century lumber mill, were also identified and recorded with the Nova Scotia Museum, however their significance relates to how the Mersey and Allains Rivers have been used since the arrival of Europeans in Nova Scotia, and is beyond the scope of my research.

I was very pleased with the results of last summer's fieldwork and the fact that at least one site was identified in each of the nine regions of the study area. The UMARC survey identified three Mi'kmaq stone fish-weirs, and twelve campsites or general activity areas, six of which were directly associated with existing portage trails. This relationship suggests that the trails themselves are worthy of recognition as cultural features on the landscape, particularly since they continue to be used as they have for more than a thousand years. Additionally, five of the newly identified Mi'kmaq campsites continue to be used as modern-day camping areas. In fact, three of these locations served as our evening campsite during the spring reconnaissance trip. Not only has this given me a real connection with the past, and a sense of continuity with those who have traveled these waters before me, but it also indicated that the landscape through which my crew and I travelled had not dramatically changed during the last 500-1500 years. The same camping areas, rest stops and portage routes that had appealed to us as modern canoeists and campers, had also attracted Mi'kmaq travelers throughout the past.

All of the artifacts recovered during the UMARC survey were broken, incomplete, unfinished or represent waste flake material from stone tool production and re-edging, with the exception of a few small scrapers. However, despite the fragmented and abandoned nature

of these objects, they can still serve as important clues about the past.

Some of the discarded lithic material found at sites along the UMARC is particularly significant toward proving that this area served as an important transportation route across southwest Nova Scotia. These stone types include South Mountain quartzite, agate/jasper, and chalcedony. These materials are not deposited locally in the interior of southwest Nova Scotia, but have been imported from several areas around the Bay of Fundy, particularly the Minus Basin. Many of the artifacts collected from the lower half of the Mersey River are made from these semi-exotic materials. The fact that these lithics were transported more than 100km from their source suggests that the Mi'kmaq of this region were in mobile groups, with extensive trade networks and organized economies. The fact that these same materials have been found throughout the whole Mersey River and Allains River, serves to demonstrate that the UMARC was at least one of the viable routes along which this material was transported and traded between the Bay of Fundy and Atlantic coast of southwest Nova Scotia.

Although fragmented and incomplete, the diagnostic pottery sherds and stone tools collected during last summer's fieldwork can provide important information about the age of these sites. Mi'kmaq ceramics were recovered from three of the sites along the UMARC. Using the Peterson and Sanger ceramic model, most of these vessel fragments belong to Ceramic Period 4 (1350-950 ya) and Ceramic Period 5 (950-650 ya), and are decorated with characteristic cord-wrapped stick impressions (Petersen and Sanger 1991). A single sherd with dentate stamping falls into the earlier Ceramic Period 3 (1650-1350 ya). Although only a few dozen pottery sherds were recovered during this study, these tiny fragments of the past indicate at least a thousand years (1650-650 ya) of occupation along the upper Mersey River.

The only diagnostic stone tool found in the field during my research was the base of a pink quartzite side-notched point, which is typical of the Late Ceramic Period (1500-500 ya), and overlaps nicely with the ceramic chronology outlined above. Unfortunately, this investigation did not uncover any definite material from the earlier Archaic Period (8500-3000 ya). Interestingly though, a single slate pecked-stone fragment of what may have been the butt-end of an adze was recovered from one of the deeper layers of an evaluative unit. However the use of adzes is not restricted to the Archaic Period, and this alone is only suggestive evidence of a pre-Ceramic, Archaic component at this site.

Although absent from the field component of last summer's investigation, material from the Late Archaic Period (5000-3000 ya) has shown up in local private collections and at two previously recorded sites along Allains River drainage, in the form of three short-channelled gouges and a stemmed point from three separate sites. I am confident, based on these discoveries and the presence of both Late and Middle Archaic Period (7000-5000 ya) occupations along the lower Mersey River, that further investigation along the UMARC would result in the identification of an Archaic presence extending between the Bay of Fundy and Atlantic coasts, like that of the later Ceramic Period Mi'kmaq populations.

Through the efforts of this past summer's fieldwork, an important gap has been filled on both the archaeological map of Nova Scotia, and in our ability to interpret the past lifestyles of the Mi'kmaq and their ancestors. By identifying fifteen new pre-European Mi'kmaq sites throughout the study area, we now have physical archaeological evidence to support what the oral tradition and written historic record describe as an important traditional portage route, and it is now possible to extend the longevity of this travel corridor's use into the distant past. Although this project was fraught with the restrictions of bureaucracy, a small budget, an even smaller crew, and higher than usual water levels that extended well beyond mid-summer, preventing the examination of shoreline exposures, I am pleased with what has been accomplished in this past year. In my mind, the fact that fifteen new sites were identified during a single field season indicates that the Mi'kmaq held upper Mersey River and Allains River drainage in a similar place of importance on the landscape as has been represented by the number of sites found along the lower Mersey River, and I am anxious to find out what other clues to the past remain to be uncovered.

References

Christianson, David J.

1985 The Use of Subsistence Strategy Descriptions in Determining Wabanaki Residence Location. *The Journal of Anthropology at McMaster*. 5(1): 81-124.

Ferguson, Robert

1985 Archaeological Sites in Kejimikujik National Park, Nova Scotia. *Manuscript on file, Parks Canada, Atlantic Region, Halifax*.
Morse, William I.

1935 Acadia Nova 1598-1779. *Bernard Quaritch, London*.
Petersen, James B. and David Sanger

1991 An Aboriginal Ceramic Sequence for Maine and the Maritime Provinces. In *Prehistoric Archaeology in the Maritime Provinces: Past and Present Research*, pp. 113-170. Reports in Archaeology No. 8, The Council of Maritime Premiers, Maritime Committee on Archaeological Cooperation, Fredericton.

Ricker, Darlene A.
1998 L'sitkuk: The Story of the Bear River Mi'kmaw
Community. Roseway Publishing, Lockeport, Nova Scotia.
Stewart, Bruce
2005 Personnel Communication, Cultural Resource Management
Group – Nova Scotia Power Incorporated Mersey River
Archaeological Survey: February 2005.



View of the McKibbin's Beach Site (BdDi-07), on Fisher Lake. (Pentz)



Aerial view of the Roderick Ford stone weir (BcDh-26). (Pentz) 

**BURNSIDE HERITAGE FOUNDATION INC.
ARCHAEOLOGY, 2006**

Laurie McLean

Burnside Heritage Foundation

BHF archaeological crews visited five of the 56 known sites around Burnside in 2006. The Beaches, which was regularly occupied by First Nations People between 5000 and 250 years ago, was the priority locality this year. Excavations continued along portions of the 140 m long eroding bank where up to 90% of the

site's original area has disappeared. The BHF erected a 45 m long wooden breakwater one metre in front of the bank in 1995 and 1998, but this structure has not stopped erosion. We began building a more watertight barrier built adjacent to the bank in 2004 and a second portion was erected in 2005. This type of barrier provides much more protection against erosion. A third segment of new retaining wall was built in 2006 and we hope to cover the entire eroding bank over the next few summers.



Overhead view of the Beaches site (upper left corner), 2005. Note 1995-1998 retaining wall in foreground and two painted sections, 2005/left and 2004/right, behind wall. (McLean)

Although the entire eroding bank warrants immediate conservation measures, funding and labour limitations force us to select a portion of the unstable vertical face for excavation and installation of a breakwater each year. Our 2006 target was a five metre section running eastwards from the breakwater built in 2004. The new structure would protect part of the southern limit of the surviving Beothuk village at the site. Erosion in our 2006 target area had now reached the edge of Housepit 2's earthen wall, meaning that the interior Beothuk living area would soon be threatened. This part of the bank also had been disturbed by looters and pedestrians over the past two summers and we hoped that erecting a wooden wall in front of the bank would eliminate these problems as well as preserving the former Beothuk house from erosion. Our selection of this area in 2006 turned out to be a fortuitous decision in view of funding/labour challenges we experienced. This part of the bank is low, 15-30 cm high, compared to other sections which rise a metre above the beach, requiring less excavation in preparation for building a retaining wall which also is smaller than what is needed elsewhere at the site.

Erosion had reached S11.7 pertaining to our site grid, consequently our excavations trimmed the bank to a straight vertical surface from S11.7 W5 to S11.7 W1. Depending on the extent of erosion, sections up to 40 cm wide were dug within seven m² in front of this section. A total 2.14 m² of soil were excavated while 2.8 m² from S12 W5 - S12 W2 were not dug. The author was

assisted by Sandy Cove resident Minnie Brown, a former BHF employee who had hoped to work with us again this year, but was limited to volunteering. Many thanks are extended to Minnie as the project would not have been completed without her help.



Minnie Brown beginning Beaches' eroding bank excavations in 2006. Note 2004 retaining wall behind Minnie and edge of 2005 wall in upper left corner. (McLean)

Artifacts were scarce in the excavation, consisting of 81 stone items, one wrought iron nail and a small amount of animal bone apparently from a bird. Fire-cracked rock fragments were common, continuing a concentration that had been partly uncovered immediately southwards and south-westwards during 2001, 2002 and 2004 seasons. These objects, along with scattered charcoal and the aforementioned bird bone, represent the remains of a hearth or hearths used outside

the nearby Beothuk housepits. The relative lack of charcoal, the small amount of bone and the low artifact count suggest that the 2006 material is hearth debris that was dumped on the wall of Housepit 2 rather than being an in situ hearth. Similar concentrations of fire-cracked rocks are characteristic of large Beothuk sites.

Although the excavated artifact sample is small, it provides some insight concerning the fire-cracked rock deposit. The wrought iron nail and two flakes of green chert are evidence for Beothuk having created the original fireplace. Beothuk may have used the rhyolite and quartz artifacts as well, but these materials were also used by other cultures. Green chert also was used by

older aboriginal people, but it remains a strong Beothuk trait. Strangely, water worn flakes are the most common item, totalling 48 for 64% of the total, representing items that were removed from their original context by erosion and subsequently worn smooth by tidal activity on the beach. Water worn stone artifacts are present in great number along the gravel beach skirting the site and their high frequency in the 2006 sample suggests that the hearth debris became mixed with beach gravel thrown on top of Housepit 2's earthen wall to build it up. Beothuk inadvertently collected water worn flakes with beach gravel used in house construction



Beaches retaining wall, 2006 (bright paint) and 2004 wall (faded paint). (McLean)

Once a straight vertical bank had been achieved, the profile was drawn and photographed in preparation for building the retaining wall. 2 x 6 lumber and 4 x 4 fence posts had previously been stained in a redwood colour, similar to red ochre, and were brought to the Beaches on October 9. Volunteers Minnie, Ed and Gavin Brown and Terry Powell assisted Laurie McLean in installing the protective barrier that day. The finished wall measures 20' long x 16" high and adjoins the 25' long section erected in 2004.

Additional Salvage Excavations along the Beaches' Eroding Bank

Emergency salvage excavations were performed along the eroding bank 40 to 55 metres west of 2006's priority area. As mentioned above, while the BHF

fortifies one small part of the Beaches' unstable boundary, erosion continues along the unprotected 125 metres. Our final duty during each of our 13 visits to the Beaches in 2006 saw two to four five-gallon plastic buckets filled with clumps of cultural black soil that had fallen from the bank to the tidal zone. These disturbed sections, if left on the beach, would soon be broken down by tidal activity, resulting in any artifacts present being dumped on the surface. Provenience for the dislodged soil was recorded pertaining to the closest point of the bank as many clumps lay directly at the foot of their original location or had not moved that far. The collected earth was taken to Burnside for screening on days that are too windy or too wet for travelling to the

Beaches. This is a less than perfect system, but it recovers artifacts and information that would otherwise be lost.

28 buckets of soil taken to Burnside in 2006 were collected from seven 1 x 1 m units from S12 W61 to S14 W23. While most of the bank fragments were under 50 cm in diameter, the latter unit contained a metre long oval-shaped section of fine black earth that stood as a cultural island on the gravel beach. 535 stone artifacts, including 526 flakes, were found in the rich black soil from S14 W23. Altogether, 760 stone artifacts were recovered from the 28 buckets of earth. 738 of these were flakes, with 632 being rhyolite. Another 37 rhyolite

flakes were collected from various surface locations along the eroding bank. A microblade and a tip flute spall represent Palaeoeskimos at the Beaches.

Non-flake artifacts include three biface fragments, 16 cores and a chert projectile point. The latter is attributable to the Little Passage Complex, the Beothuks prehistoric ancestors. This item came from S12 W44 and may be associated with a radiocarbon date of 560 ± 40 BP from a hearth partly excavated in 2005 (S12 W61). These discoveries provide important evidence for prehistoric Beothuk activities distinctly separated from the cluster of Beothuk houses that we have designated Area A at the site.



Disturbed soil clumps and eroded bank east of 2005 retaining wall (S12 W60 - W50). (McLean)



Little Passage projectile point from S12 W44, eroding bank. (McLean)

Beaches Surface Collections, 2006

The rampant destruction of the Beaches has littered its eastern and southern perimeters, small pebble beaches, with stone artifacts. Many of these items, especially those from the east beach, are water worn although the south beach, which fronts actively eroding profiles, yields sharp-edged artifacts. 93 objects collected in 2006 include 87 flakes, 26 of which are water worn. One rhyolite microblade was present on the east beach, representing Palaeoeskimos. Non-flakes include one Paleoeskimo endblade preform from the east beach. A water worn endscraper, two biface fragments and a water worn biface also were retrieved.

Bloody Bay Cove Quarry Surface Finds, 2006

BHF archaeological teams discovered the Bloody Bay Cove quarry in 1989 and 1990, identifying it a vital source of stone for arrow heads, spear heads, endscrapers and other cutting tools for aboriginal residents of Bonavista Bay and slightly removed areas. People regularly stopped here throughout the majority of the bay's 5000 year aboriginal occupation and picked up supplies of rhyolite stone which were distributed throughout Bonavista Bay and beyond through northeastern Newfoundland and the Exploits River valley.

The BHF has conducted numerous excavations at many of the 11 sites making up the quarry. We excavated a tiny part of the 3150 m² Bloody Bay Cove Summit site in 1992 and have been examining the wealth of cultural material on its' flat bedrock surface 300' above sea level since 1990. The distribution of flakes, cores and hammerstones possibly represents discrete knapping episodes. This theory was supported by samples collected in 2005 that permitted partially reassembling the large chunks of rhyolite that were broken up by chipping.

One of the BHF's 2006 archaeological goals included measuring the distribution of surface material at the site and drawing a detailed map of the record. Unfortunately, due to our labour shortage, this exercise will have to wait until another season, as we were limited to two visits to Bloody Bay Cove this year. We took this opportunity to collect artifacts from the surface of a previously un-sampled part of the site. 417 artifacts consisted of 410 rhyolite flakes, six rhyolite cores and one granite hammerstone. Single flakes were found to re-attach to four larger flakes and one core.



Bloody Bay Cove Summit (DeAl-9), 2006 collection area (northwest corner of plateau). (McLean)



Bloody Bay Cove Summit (DeAl-9), flake cluster sampled in 2006. (McLean)



Bloody Bay Cove Summit (DeAl-9) core with re-attached flake (left). (McLean)

2006 Surface Collections At The Sailor Site (DeAj-1)

The Sailor site is a multi-component site located on the "back side" beach in the community of Salvage. First identified by Paul Carignan in 1973, it was utilized by Maritime Archaic Indians, Palaeoeskimos, Recent Indians and historic Newfoundland Settlers. Highway crews digging a gravel quarry destroyed much, probably the majority, of the site early in the 1950s and erosion continues to negatively impact the locality. Carignan excavated part of a Beothuk hearth there and recently the BHF has shown that the remaining 20 m² contains substantial Palaeoeskimo material mixed with historic livyer artifacts.

BHF crews annually monitor this site for erosion and pedestrian damage. Two brief visits during 2006 resulted in 41 rhyolite flakes being collected from

eroding surfaces and three water worn examples coming from the beach. Three glass sherds were found on the low eroding bank. While no culturally diagnostic items were present, previous BHF excavations associate these objects with the Paleoeskimo occupation. Continued archaeological research at the Sailor site and Sailor South (DeAj-5), a Paleoeskimo occupation identified by the 2002 BHF crew 40 metres to the south will provide more evidence of Salvage's strategic position for people depending on marine resources for survival.

Archaeological Surveys Outside Normal Study Area

BHF archaeologist Laurie McLean, graduate student Robin Fleming and Princeton resident Paul Abbott conducted an archaeological survey of Bonavista Bay's coastline between Plate Cove West and the Long Islands during June 12-21. Five archaeological sites were known from this area, which lies 30-40 km south of the Eastport Peninsula, but it had not been comprehensively surveyed. Rapid growth in the number of wilderness

cabins and coastal erosion pose serious threats to the region's archaeological resources and Newfoundland and Labrador's Provincial Archaeology Office decided it was time to evaluate the area.

The 10-day survey identified 19 new sites, including six aboriginal occupations, 12 historic settler localities and one mixed site. Three of the aboriginal deposits yielded Paleoeskimo artifacts while the other four aboriginal components produced non-diagnostic stone flakes and tool fragments. The historic sites consist of one eroding graveyard, two resettled communities, two homesteads within former villages, one single habitation, three logging camps/saw mills, one whale butchering locality, one hunting camp and a popular harbour historically used for short stopovers. None of the historic areas appear to date before the early to mid-nineteenth century when settlers of European descent spread throughout the region. Five of the new sites are suffering from erosion.



New site, Little Chance Harbour Head (DdAj-9), non-diagnostic Aboriginal. (McLean)



Completely eroded Paleoeskimo site found on Wolf Island (DcAj-1), Sweet Bay. Artifacts were found on the surface and slightly below surface of the saturated beach (center). (McLean)

Artifacts include 675 stone objects, with 532 coming from the seven new sites and 143 collected from the surface and eroding bank of the Unnamed site, Long Island (DdAj-4). Most of the stone objects were made on rhyolite ($n = 489/73.0\%$), with 425 items (63.0%) originating from

Bloody Bay Cove

Some of the patinated rhyolite also probably comes from Bloody Bay Cove while a few rhyolite objects exhibit colours not associated with that quarry. 148 chert artifacts recovered included 13 tools, compared to 18 rhyolite non-flake implements, indicating more specialized use of the rarer material. Nineteen historic objects, including bottle fragments, pot sherds and rosehead nails were retrieved from five sites.

Historic areas not yielding artifacts were identified by structural remains on their surface.

Stock Cove (CkAl-3)

A multi-component aboriginal site was found by Gerald Penney at Stock Cove, Master's Head, on the southern shore of the entrance to Bull Arm, Trinity Bay in 1979. Penney's tests and 1981 excavations conducted by Doug Robbins determined the presence of Maritime Archaic Indian, Paleoeskimo and Recent Indian cultural material there. Historic Newfoundland settlers utilized an adjacent smaller cove in their pursuit of the fishery. The Stock Cove site has suffered serious erosion and Newfoundland and Labrador's Provincial Archaeology Office asked the author if he could visit the locality to assess its condition.



Tom Pinsent checking Stock Cove eroding bank and beach for artifacts.

Stock Cove can only be accessed by boat and Bellevue resident Tom Pinsent, who has been monitoring the ongoing erosion, took the writer there on September 19. They measured the coastal eroding boundary at 90 metres. Artifacts were collected from a 65 metre-long section which appears to represent the extent of the utilized area. Pinsent and McLean collected 140 objects made on patinated white chert or rhyolite that originally was grey in colour. A number of Paleoeskimo tool fragments were present, but the great majority of items could not be identified pertaining to cultural group. There was insufficient time to collect all the artifacts scattered over the deteriorating bank and the adjoining beach. A proposal to conduct minimal excavations along the bank and construct a protective barrier was prepared and submitted to the Provincial Archaeology Office. This salvage activity will take place in 2007, pending approval of funding. 🖋️

INTEGRATING TRADITIONAL KNOWLEDGE WITH ARCHAEOLOGICAL KNOWLEDGE

Amelia Fay

Memorial University

During the fall of 2006 I spent one month in Nain, Labrador conducting interviews with Inuit elders and working with various local institutions and community members as part of my MA thesis research. My overall research objective is to integrate traditional knowledge with archaeological knowledge and to

present the synthesized information in a website that is accessible to the local and archaeological communities.

While in the field I conducted interviews with ten Inuit elders, four of whom spoke only Inuktitut. I hired Katie Winters- a local interpreter- as my research assistant and her skills were invaluable to me. From these interviews we were able to get a sense of the significant places along the Labrador coast north of Nain while recording place names, hunting areas and daily activities relating to subsistence and the household.

While in Nain I received support and assistance from the Nunatsiavut Government and Parks Canada. I spent some time at Jens Haven Memorial School speaking with teachers and students to get their ideas on what to put on the website in order to make it useful to them. OKalaKatiget (OK Society) informed the community of my research through their radio news briefs and was eager to help me out in any way. These interactions with different community institutions were crucial to my project's mandate of trying to make my research more collaborative.

I will be spending the next few months working on my thesis and the creation of the website, which I hope to have up and running by the summer of 2007. If anyone has comments or suggestions about my research project please feel free to email me at

amelia_fay@hotmail.com



Nain as seen from nearby Mt. Sophie. (Shields) (Fay) 🖋️

***SUMMARY OF 2006 FIELDWORK AT
NACHVAK FIORD***

**Peter Whitridge
Memorial University**

In July and August Peter Whitridge (Memorial University of Newfoundland) and a crew from Nain (Michael Pijogge, Tim Kalleo), MUN (Don Butler, Amy Fay, John Higdon, Lindsay Swinarton) and UNC-Chapel Hill (Ben Shields) continued with the multiyear program of survey and excavation at Nachvak Fiord, northern Labrador (N59 degrees 04 minutes W63 degrees 53 minutes) begun in 2003. Research activities were confined to IgCx-3, where three mostly precontact Inuit (Thule) dwelling features were investigated. An expanded sample was obtained from the midden of House 2, in the western portion of the site, complementing preliminary results from 2003. Sampling also occurred around the entrance of House 10, in a block of four houses at the eastern margin of the house row. Finally, most of House 4, in the central-rear portion of the site, was excavated, though important work on this feature (excavating beneath flagstones, identifying the house entrance) remains to be completed. Excavation areas were chosen to complement the results of 2003-05 research, and complete a preliminary archaeological overview of this large and important Labrador Inuit winter settlement.

The House 2 midden investigation revealed that refuse from this feature did not extend far from the dwelling's entrance; only a light scatter of artifacts and faunal remains were recovered from the expanded midden test. A 5 x 1 metre excavation near the entrance of House 10 produced a small but useful sample of comparative faunal material. Frozen deposits were encountered at a relatively shallow depth in some units, but only a limited concentration of dwelling refuse was recovered. A 24 square metre excavation area centred on House 4 and its apparent tunnel occupied the crew for most of the season. Work here revealed an architecturally well-preserved dwelling with a single slab-edged sleeping platform and carefully paved floor. Substantial amounts of well-preserved baleen were recovered close to the house floor, and the platform edge appeared to have been rebuilt on multiple occasions. The southern 2 x 4 m portion of the excavation produced substantial amounts of Thule material culture in its southern reaches but did not expose an architecturally distinct house tunnel. The main living compartment may have been accessed instead through a tunnel shared with the adjacent House 3, or remodelling of the tunnel area for subsequent house construction may have destroyed the original entrance. Finds and photographs from the summer's work were exhibited at an open house in Nain at the end of the season, together with researchers from White Point.



IgCx-3 at the beginning of the 2006 season. House 4 is in the right foreground. (Whitridge)



Lindsay Swinarton and Amelia Fay excavating the House 10 test. (Whitridge)



House 4 excavations at the beginning of August 2006. (Whitridge)



A mostly complete ulu blade from House 4. (Whitridge) 🖋️

***ARCHAEOLOGY BEYOND THE HORIZON,
SEASON II***

Scott Neilsen

Memorial University

In summer 2005 my crew and I conducted a feasibility survey on Ashuanipi Lake in

western Labrador. As a result of this work the region was judged to be suitable for further research. This past summer, July & August 2006, my crew and I returned to Ashuanipi Lake and picked up where we left off last season.



Figure 1 – Portage trail along top of esker between Kapitagas Channel and Rivière aux Esquimaux. (Neilsen)

Leaving from Ferguson Bay we began by proceeding to the bottom of the Kapitagas Channel and hiking the portage trail to Rivière aux Esquimaux. We then worked our way north, back down the channel and the lake, eventually meeting with the termination of last years survey at the northern tip of Grande Ile. Numerous ethnographic sites were identified along the channel; and pre- and post-contact archeologically sites, and ethnographic sites, were again identified along the lakeshore.

This year also marked the beginning of excavation on the lake. My crew and I began excavation at FeDn-01, one of the sites identified last season, while Master's student Jamie Brake undertook a complementary excavation at archaeology site FfDn-01. Both were found to be multi-component sites, possibly dating back as far as 1500 years. Artifacts, charcoal samples and soil samples were collected from both sites

and when analyzed will help situate these sites and the region within the culture-history and the natural environment of Newfoundland and Labrador during this time frame.

All in all, it was a very successful field season. Stage II of the Project was initiated: detailed investigation began at archaeology site FeDn-01 and the identification of sites continued. This excavation will continue in 2007, and other excavations may be initiated at selected sites from the 2006 field season. We also hope to begin incorporating primary Innu knowledge (interviews and land use documents) in 2007 and visit Oreway, south of Ferguson Bay, on Ashuanipi Lake. This work would not be possible without the generous support of the Innu Nation, Memorial University, the Provincial Archaeology Office and the Department of Indian and Northern Affairs. Their support is greatly appreciated.



Figure 2 – Beach at archaeology site FeDn-02. (Neilsen) 

UNDERWATER ARCHAEOLOGY AT THE HARE HARBOR BASQUE SITE AT PETIT MÉCATINA¹

**William Fitzhugh
Smithsonian Institution**

In August 2006 the Smithsonian Gateways Project continued work at the late 17th Century Hare Harbor Basque site at the southern tip of the Petit Mécatina Peninsula and initiated mapping and excavations at a contemporary underwater site discovered here in 2003 (Figure 1; Fitzhugh 2006a). Due to a shorter season our work was restricted to Mécatina,

and we did not survey other regions of the Quebec Lower North Shore as in previous years. Our principal goals were to investigate a blacksmith structure located in 2005 and to map, test, and photograph the underwater site explored initially in 2003 and 2005 (Figure 2).

Blacksmith Shop

Last year we opened up an 8x8 meter area in a peat bog where we recovered well-preserved barrel staves, quantities of chopped wood and charcoal, iron bar stock, a large iron maul head, and other materials (Fitzhugh 2006b). Test pits east of the bog had revealed paving slabs and thick layers of charcoal, suggesting the presence of a blacksmith operation that used the boggy area as a trash dump. Our work this year confirmed this interpretation and uncovered a stone-paved 6x6 meter floor area upon which we found a re-worked iron anchor

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prong, large iron round-headed bolts or pins, encrusted iron fragments, charcoal, and other materials (Figure 3). A small hearth area at the northwest edge of the pavement contained calcined bone fragments, and traces of charred wood flooring were found around the edges of the pavement and on what seemed to be sill footings of a roughly square structure whose north side abuts the steep talus slope at the base of the cliff. What was

missing was evidence of a large furnace, which may yet be found in several peat-covered rock piles outside our excavation area. The charred flooring and sills suggest the structure may have burned at the close of the occupation. The paucity of roof tiles and nails raises the question of whether the shop had a tile roof and timber framework or might have been un-roofed.

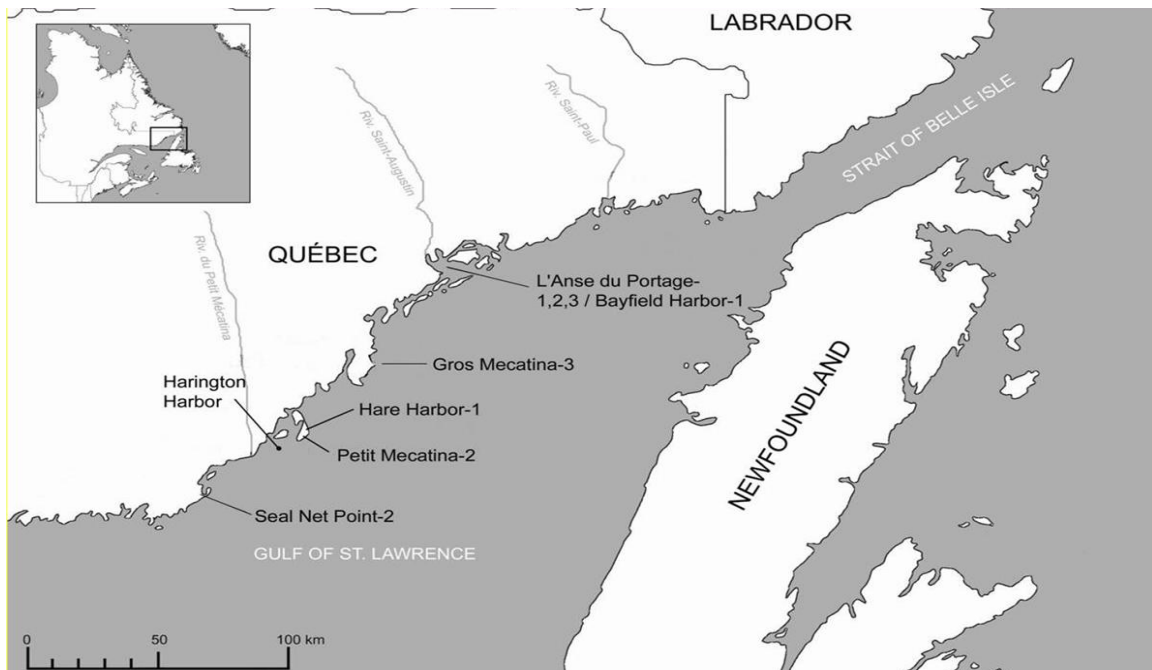


Figure 1 Map of the Hare Harbor Mécatina site on the Quebec Lower North Shore. (Fitzhugh)

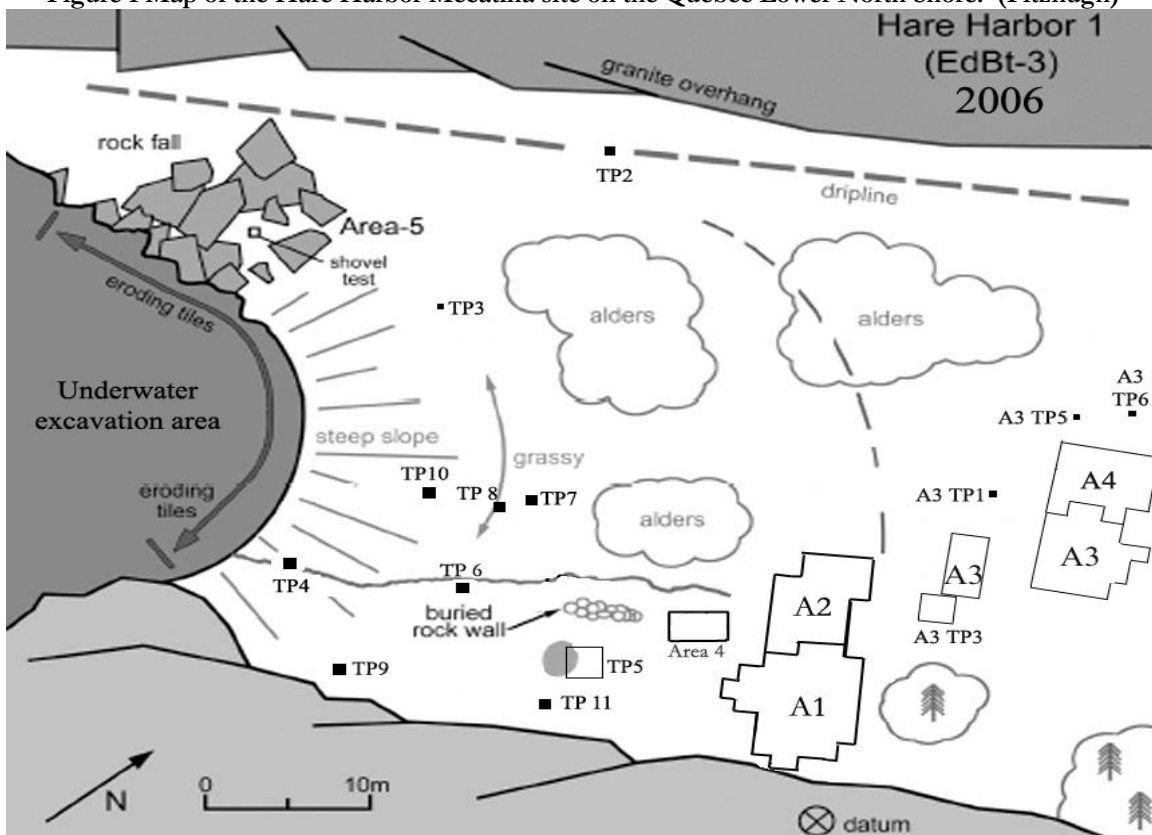


Figure 2 Map of the Hare Harbor site, Petit Mécatina. (Fitzhugh)



Figure 3 Blacksmith shop, view to SW (Will Richard photo). (Fitzhugh)

An interesting aspect of the excavation was the relative absence of other materials as well, particularly ceramics, clay pipes, beads, and other materials we had recovered from the nearby cookhouse and its external work area. One would not expect such domestic materials in a blacksmith shop, and this is more or less, what we encountered. More unusual was the presence of several Dorset artifacts found in the floor deposits above the stone pavement, in direct association with Basque material: these include a large flake of Ramah chert, a tip-fluted Middle Dorset style point of Ramah chert, and half of a thin-walled, miniature Dorset soapstone lamp fragment about three centimetres in diameter with charred encrustations (Figure 4). Stylistically, the lamp dates to Middle or Late Dorset, ca. 300-1200 AD. Currently these are the westernmost Dorset finds from the Gulf of St. Lawrence. How they became associated

on the floor of a Basque blacksmith shop is even more mysterious than the presence of the Inuit soapstone vessel fragments we found previously in the cookhouse, which we have attributed to Inuit service employment in the Basque operation.



Figure 4 Dorset artifacts found in Basque deposits in the Blacksmith shop. (Fitzhugh)



Figure 5 Photograph of the Hare Harbor Basque anchorage cove (W. Richard photo) (Fitzhugh)

Site Description

Most of our effort was devoted to the underwater site located in the small cove adjacent to the Basque land site (Figure 5). The cove is on the west side of the site and is an extension of its cobble and sand beach formation. These deposits accumulated between a rocky promontory south of the site and the steep boulder-filled talus at the base of the cliff forming the north wall of Hare Harbor. The bottom of the cove drops at a 30 degree angle from the shore to about 40 meters depth, where its inclination declines to about 15-20 degrees and slopes gently toward the bottom of Hare Harbor, whose central depth is between 25-35 meters.

Hare Harbor itself is a small, narrow inlet about a half a kilometre in length, bounded by 300-foot high cliffs on the north side and with slightly lower, less steep hills along the south shore. A small brook enters at the harbour's west end, flowing from several small ponds that drain a narrow valley cutting through the southern end of Mécatina. The rocky promontory extending south from the base of the cliff on the north side of the harbour entrance reduces the entry passage to only a few hundred meters wide. This, and a sill depth of about 25 meters, blocks all but the heaviest easterly storm seas and creates a quiet depositional environment inside the harbour for accumulation of fine sand and silt. The near-shore underwater bottom is free of sediment and covered with beach boulders, slab rocks, and occasional roof tile fragments eroded from the bank. Below the sea surge and ice scour zone, soft sediments have accumulated, and as one descends to greater depths the

mud and silt deposits increase, reaching a thickness of 50-70 centimetres at 50 meters depth and probably several meters in the bottom of the harbour basin. This sedimentary regime, while protecting and covering many of the cultural deposits, creates anchoring problems for vessels using the harbour in strong winds, as we and no doubt others discovered. The deep accumulation of fine mud provides little purchase for ground tackle, and anchors easily drag unless one also has a suitably-positioned shore-fast. It is probably for this reason that the Basque vessels anchored in the small cove below the site and the sheltering cliff where they had protection from wind and waves and used shore-fast lines with seaward anchors that were unlikely to drag upslope.

In the area of the underwater site, fine harbour sediments rest on a hard sandy bottom with few rocks showing above the surface of the mud except large blocks of cliff break-down near shore at the southeast and northwest margins of the cove. Despite relatively calm waters, tidal currents and wave surge have either prevented a steady accumulation of sediment or have eroded those present, leaving many cultural materials visible on the surface over an area of 40 by 80 meters between depths of 3 to 20 meters. While roof tiles are the artifacts most commonly seen (and in the central areas of the site form a concentrated lag deposit), fragments of glass bottles and ceramic jars, pieces of wood, and whalebones are also visible on the surface. A large squared timber angles across the bottom from northeast to southwest, disappearing into the sediments, and several smaller pieces of worked wood and modern

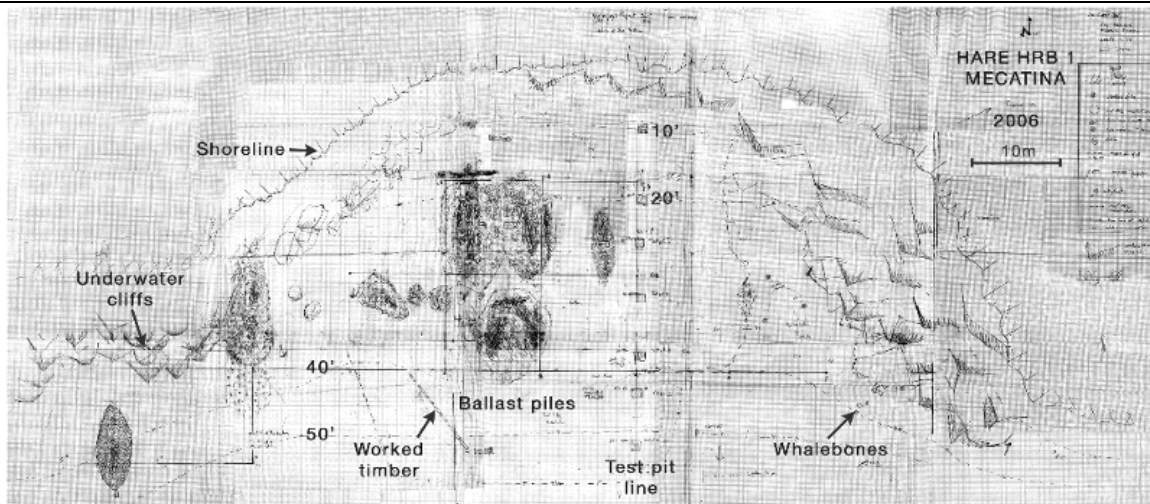


Figure 6 Preliminary map of the underwater site. (Fitzhugh)

grapnel anchors lost by lobster fishermen over the years are present. In addition to the ubiquitous tiles, a few 19-20th C. artifacts found on the surface were collected in 2004-5. The presence of later materials is not unexpected, as Hare Harbor has been used almost continuously as a harp seal hunting and netting site, ever since Europeans began making permanent establishments in the vicinity in the late 18th century. Some of these finds may relate to the 19th C. Hare Harbor-2 occupation located about a half-kilometre east of Hare Harbor-1. For the most part the mud bottom is clear of vegetation, except for occasional clusters of mussels, sea urchins, and anemones, the latter being more common on rocky surfaces than on the mud bottom. Water visibility is generally good, with sufficient light to work as deep as 60-70 feet. However, rain brings a flood of organic debris and tannin-rich fresh water off the surrounding hills and from the stream drainage, creating a layer of murky brown water that spreads out over the surface of the harbour, restricting light and visibility greatly. When northerly or easterly winds prevail, this murky layer can linger at the top of the water column for several days. The onset of westerly winds quickly blows this surface level out to sea and draws cold, clear water into the harbour over the sill from outside.

The most prominent aspect of the underwater site is a series of linear mounds composed of boulders and slabs extending down-slope from near-shore to about 15 meters depth (Figures 6, 7). In the central area of the site these mounds are as much as 20 meters long and 5-6 meters wide. Mounded up highest along their linear axes, their thickness ranges from 0.5-1.5 meters above the surface of the surrounding sediment. Pieces of tile, glass bottles, and wood are found on and sometimes wedged between the rocks, dating these features securely to the Basque occupation. Most rocks weigh between 4-



Figure 7 Photograph of one of the central ballast mounds (Frédéric Simard photo) (Fitzhugh)

10 kilograms, making them easily portable, and most are rounded beach cobbles, although a small percentage are flat limestone slabs with distinctive solution pits and holes. The nearest source of limestone is Mingan Islands, more than 200 km to the west; but these limestone slabs probably had a more distant origin. Given their discrete shape and presence of non-local rock, the mounds almost certainly were created as ballast dumps by ships arriving from overseas, probably from southern rather than northern Europe, judging from the absence of flint ballast. The orientation of the mounds suggest they originated from ships moored perpendicular to shore, side-by-side in the European custom for vessels in harbours with restricted anchorage swing-space, with one line ashore and another to an anchor off-shore. The largest rock mounds – two to three times the volume of the others – are in the center of the cove, and their broader, less-tidy shape suggests they formed from multiple dumping episodes by vessels repeatedly using the most advantageous mooring location. The piles located to the east and west of the central dumps are smaller and appear to have been single dumps by vessels moored occupying less desirable locations, where the water was deeper and access to the shore was made more

difficult by the presence of steep rocky shores and cliff break-down. This pattern suggests that at one time several ships must have arrived from overseas, and some vessels had to take less suitable mooring locations. Alternate explanations of the mounds as foundations for wood piers or fishing stages are not supported, as the rock piles are too deep and the bottom too steeply inclined to have served this purpose; furthermore, no footings, post holes, or other foundation features are seen in the piles.

We mapped the entire site area and set up a grid that allowed us to locate features, conduct excavations, and determine the exact size and volume of the ballast piles, which will help determine the size and tonnage of ships employed. Eight separate ballast piles are present, four of which overlap in the center of the site area. Several smaller round clusters of rocks occur as outliers from the main concentrations. The linear shape of the mounds might have originated from ballast being removed from different ships' holds via different hatches; however it might also result from rocks dumped from one place rolling or bouncing down-slope, as the angle of the bottom is quite steep. Rocks that we dislodged accidentally tended to end up at the bottom of the pile or rolled to the sides and became embedded in soft sediments.



Figure 8 Fitzhugh and Leece with butchered whale limb bone (W. Richard photo) (Fitzhugh)

Mapping revealed interesting features in other areas. Several large whalebones – mostly limb bones and phalanges – occur on the surface at the east end of the site, near the underwater cliff at the base of the southern promontory. Two of the limb bones (Figure 8) brought to the surface for photography and measurement had been sawn in half longitudinally, either during the butchering process or to facilitate the release of oil from bone cavities during the rendering process. The location of these bones near the steepest part of the shore may result from use of this area as a butchering location, since its deep water allowed whales to be drawn ashore

and tied to the rocks. Ships could also have been tied here, outboard of a whale to facilitate butchering and rendering. The continued absence of any sign of blubber ovens on land suggests that oil processing and casking took place aboard ship, and this interpretation is compatible with our understanding of whaling technology at the turn of the 18th C. The lack of whalebones from the ballast dump region also supports the spatial separation of mooring and routine shipboard activities from whale processing.

Analysis of DNA sampled in 2005-6 resulted in species determinations of bowhead whales from baleen samples obtained from the Mécatina land site, and a humpback whale from the underwater site (Brenna McLeod, pers. comm. 9/13/2006; see also Rastogi *et al.* 2004; Romero and Kannada 2006). North Atlantic right whale has not been identified, and the data indicate that the samples come from different whales, eliminating the possibility that the remains were from a single kill. Likewise, the presence of butchered bones eliminates the possibility of a dead whale drifting to this location. Finds of whale remains from subsurface test pits indicates that the remains found on the surface are not the only bones to be found. Nevertheless, unless flensed whale carcasses were disposed offshore, it would appear that Basque whaling was not as intensive an activity at Hare Harbor as it was at most 16th century sites.

Investigation of the 10m long exposed portion of the large timber southwest of the central ballast piles revealed it to have been roughly squared (25-30cm on a side) at its northern end but incompletely worked in the portion that extended into the mud at its southern end. Its visible portion did not contain any iron spikes, wood pegs, or cuts suggesting its use as a ship's timber or keel, as originally surmised in 2003. Its squared cross-section would not make sense for use as a pier piling, although it could have been in the process of becoming a pier cross-beam. The absence of any timbers in the depth ranges of the stone piles may be further evidence against the presence of piers or stages.

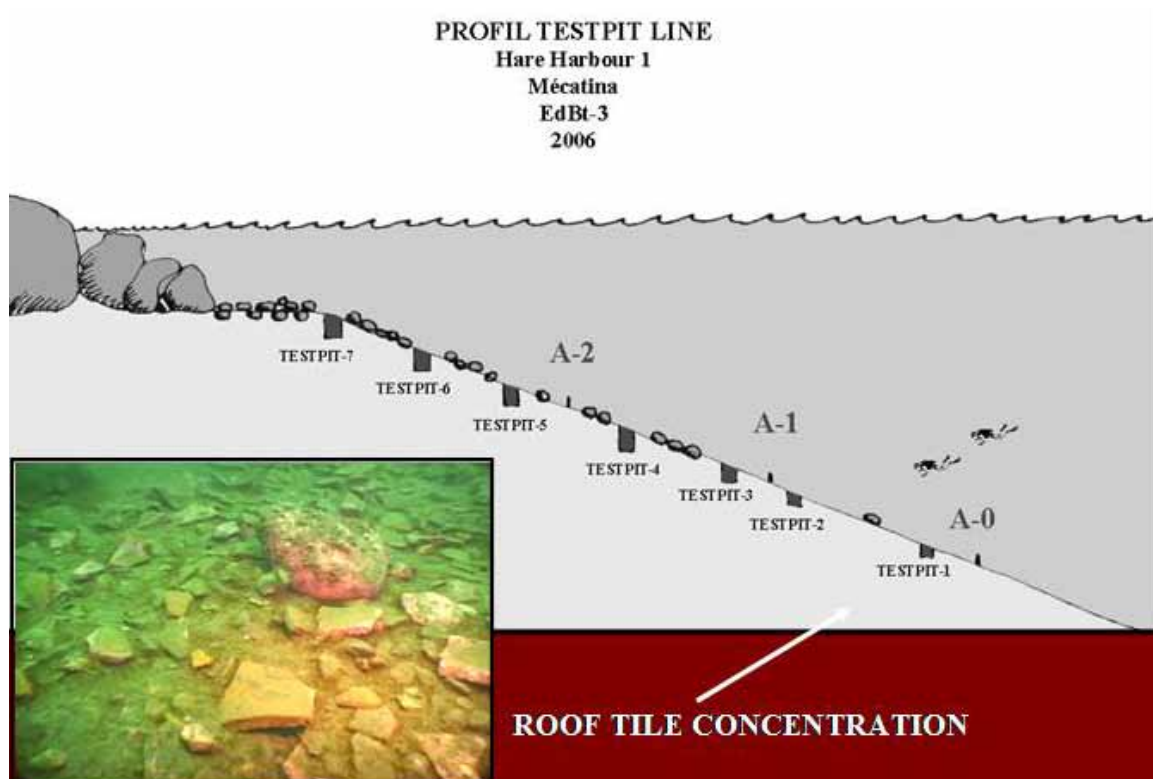


Figure 9 Underwater site test pits 1-7 along north-south transect. (Fitzhugh)

Another activity supported in 2006 was to test for stratigraphy, depth of deposit, and presence and preservation of buried artifacts and organic remains. To pursue this goal, Erik Phaneuf, assisted by Frédéric Simard, excavated seven 0.75m square test pits at 1m intervals following a north-south grid transect between 17m and 3.5m depths (Figure 9). These excavations took place over most of a two-week period during which we had to modify the dredge equipment several times to facilitate adequate suction, which was a problem in the deeper pits where the water pressure nearly equalized the power of our dredge pump. Originally we had intended to excavate a trench from that deepest limit of the site at about 60 feet, to the shore, but this turned out to be impossible with our available time, equipment, and manpower, and so we settled on a series of test pits.

These excavations revealed a consistent stratigraphic pattern – a package of cultural deposits between the sterile sandy base and a post-occupation surface layer of mud. From bottom to top these layers consisted of: (1) sandy silt containing scattered tiles; (2) a layer dominated by wood debitage; (3) an intermediate level of mud with tiles and other cultural materials; (4) a layer containing a dense concentration of fish bones; and (5) an upper layer of mud with tiles, scattered wood, and other cultural materials. Layers 2-4 were observed as separate layers only in the central portion of the site, in

the 10-16m depth range (see Figures 10a-g). TP1 (Figure 10a), the deepest at ca.17m, contained barrel hoop and wood fragments and wood shavings in a silty sand deposit, with a piece of ceramic. TP2 (Figure 10b) contained a 25cm thick layer of silty sand with many tiles, barrel hoops and wedges, and wood fragments, and some fish bones. TP3 (Figure 10c) had a basal layer of soft silt containing tiles; a second level containing organic deposits with tiles, barrel parts, wood shavings, and fish bones; and a surface level of silty sand with tiles. TP4 (Figure 10d) at 12m depth had five levels: a basal organic level of peaty deposits with scattered wood fragments; a level of wood shavings and axe-cut chunks, barrel parts, fish bones, and a wooden platter or bowl; above this, a level of coarse sand with a few tiles; above that, an organic layer filled with concentrated fish bone; and an upper layer of sandy silt with some tiles. TP 5 (Figure 10e) had a basal level of peaty organic deposits with a mixture of wood shavings, barrel parts, fish bone, and tile below a level of soft silt with a few tiles, and an upper level of sandy silt with a few tiles. TP 6 (Figure 10f) contained a mixed 60cm thick level of tiles, barrel parts, wood fragments, bird bones (but no fish) beneath a surface level of sandy silt with a few tiles. TP6 (Figure 10g), at 3.5m depth, had a base of coarse sand below a thin level of peaty organic silt with small amounts of

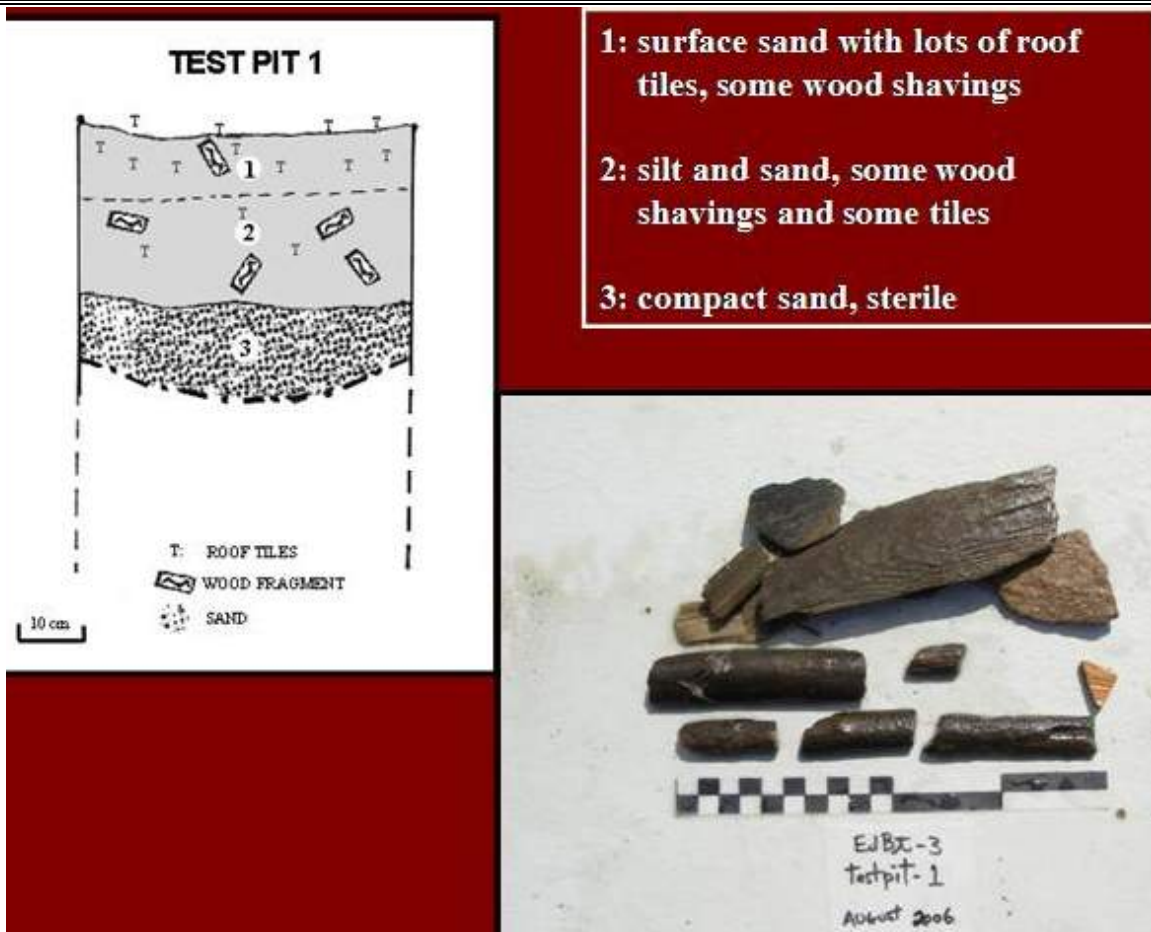


Figure 10 a-g: Test pits 1-7: summaries and stratigraphy. (Fitzhugh)



Figure 10 b (Fitzhugh)

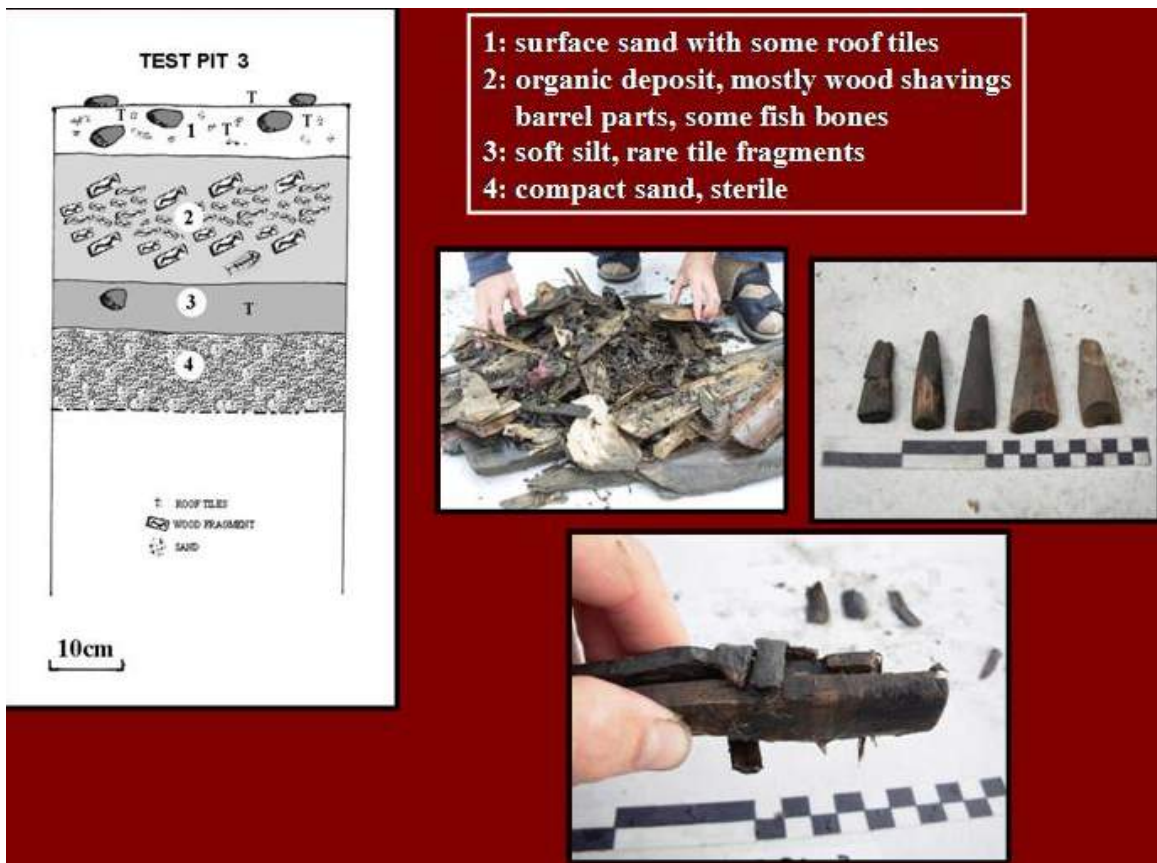


Figure 10c (Fitzhugh)

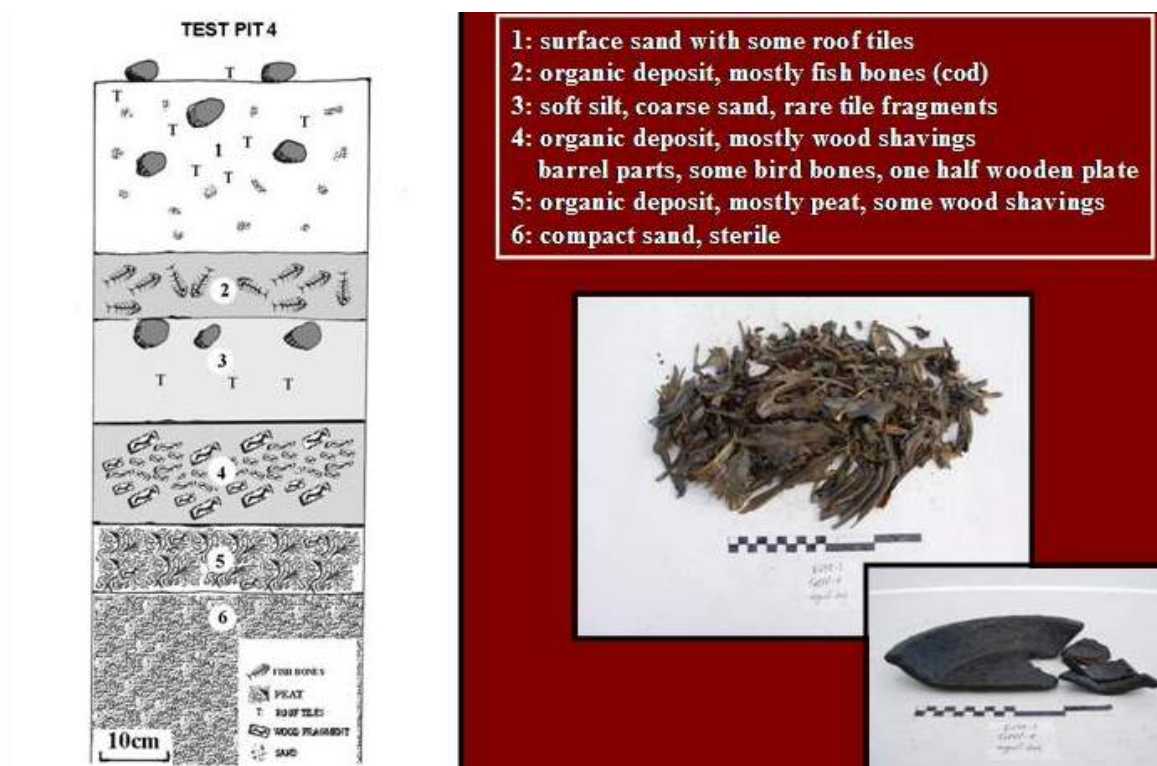
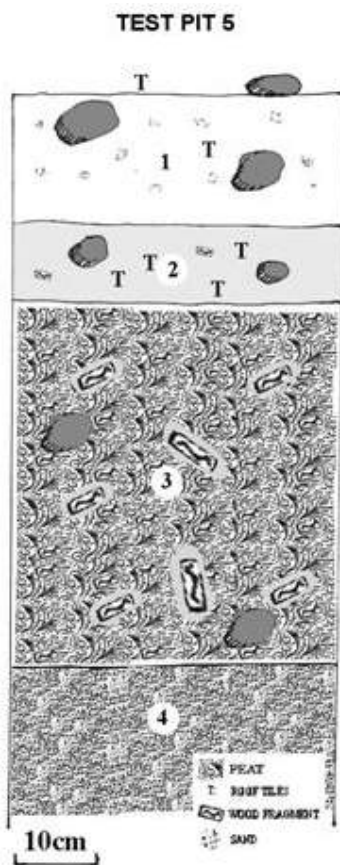


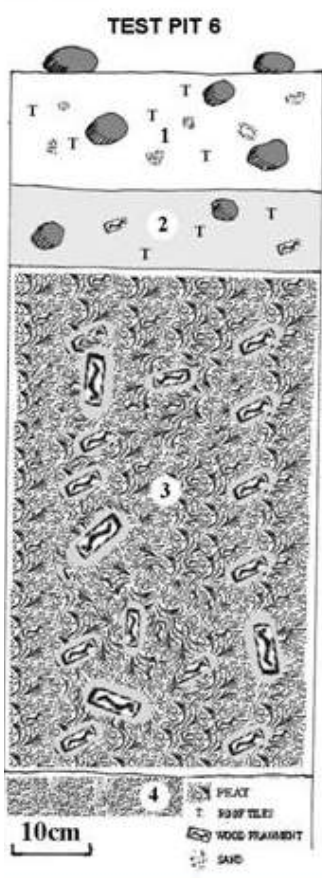
Figure 10 d(Fitzhugh)



- 1: surface sand with some roof tiles
- 2: soft silt, coarse sand, rare tile fragments
- 3: organic deposit, mostly peat, some wood shavings, some bird bones, nuts and hazelnut fragment, no fish observed
- 4: compact sand, sterile



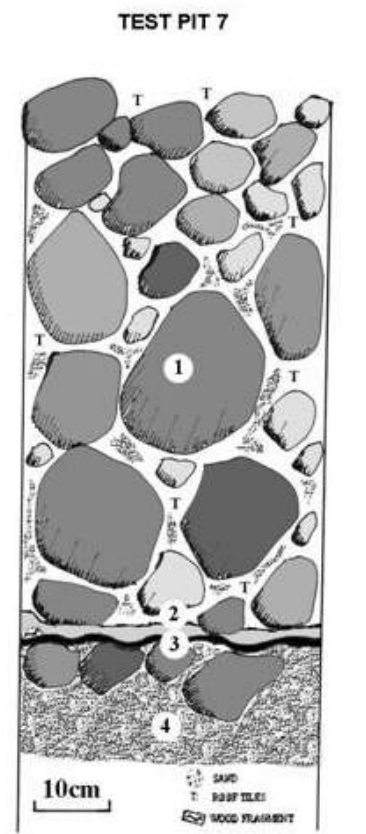
Figure 10 e(Fitzhugh)



- 1: surface sand with some roof tiles
- 2: soft silt, coarse sand, rare tile fragments
- 3: organic deposit, mostly peat, some wood shavings, some bird bones, no fish observed
- 4: compact sand, sterile



Figure 10 f (Fitzhugh)



- 1: surface sand and many many stones, limestones, granit white quartzite, some ballast, some tiles**
- 2: soft silt, coarse sand**
- 3: organic deposit, mostly peat, and small wood fragments**
- 4: compact sand, sterile**



Figure 10 g (Fitzhugh)

wood; an intermediate soft sandy layer; and a surface layer with many rocks and ballast stones, and a few tiles.

The wood and bone levels were as thick as 10-12 cm. Other than tiles, wooden barrel wedges and hoop fragments were the most common artifacts found, but domestic ceramics, part of a leather shoe, and a wooden bowl (Figure 11) were also recovered. The wood level followed the initial occupation phase and was composed of masses of axe and adze cuttings of coniferous wood, suggesting a major timber squaring operation related to building shore facilities. A similar concentration of wood debitage was also found by Parks Canada divers at their excavations in Red Bay, Labrador. Once the site had been prepared, the appearance of the bone level indicates operation of a substantial fishery. While most bones appear to be cod, other species, including several birds and seals, were represented. Sophia Perdikaris will investigate these remains to see whether they indicate processing for local consumption or export.

Finally, in addition to mapping and excavations, Frédéric Simard systematically photographed the underwater site locale, expanding on coverage he made in 2005 and providing an extensive video record of the 2006 underwater operation. Because it is difficult to produce extensive written records underwater, photographic and video documentation is especially important. Frédéric's videos provide excellent oriented overviews of the site and document the ballast mounds

and various other features; they also show our grid and mapping activities, and details of excavations at test pit locations.



Figure 11 Wooden platter/bowl fragments from test pit 4. (Fitzhugh)

Summary

This summer's work confirmed the presence of a blacksmith shop at the upper end of the shore facility. While excavations are still in progress, the finds from this shop include heavy iron implements and concentrations of charcoal, but few domestic remains, tiles or iron nails. The surprising discovery of a Dorset tip-fluted point and most of a miniature soapstone lamp

raises questions of a possible Dorset occupation somewhere in the vicinity, because it is unlikely that these materials could have been found elsewhere and been brought to Hare Harbor by Basque fishermen. On the other hand, extensive testing in the area failed to produce lithic flakes or other evidence of a Dorset site in the vicinity. These pieces are currently the westernmost Dorset artifacts found in the Gulf region.

Our underwater work revealed the presence of an important new Hare Harbor site component that has the potential of adding significant information about the Basque occupation not available in the poorly preserved remains from shore facilities. From various stratigraphic levels we recovered well-preserved organic and inorganic remains including ceramic and wood artifacts and concentrated levels of faunal remains and wood debitage. The deepest deposits found so far are ca. 0.75m deep and contain up to five stratigraphic levels representing a sequence of activities: (1) initial occupation; (2) intense wood-working and site preparation; (3) intermediate occupation; (4) a fishery operation; and (5) a final occupation phase. At present it is not possible to correlate these phases with occupation sequences on the land site, and their reality as events in the site's history needs further excavation and study. Nevertheless, these phases represent discrete events that add important information to the data recovered from activities on-shore. Larger excavations to be conducted in the future at the marine site should amplify these preliminary findings, particularly if, as expected, we can recover more remains from middens representing shipboard domestic life as well as industrial operations.

In addition to the above findings we have confirmed that the underwater and shore sites are contemporary Basque occupations dating to ca. late 17th to early 18th C.; that several vessels must have been moored in Hare Harbor Cove together at least at one time during the Basque occupation to account for multiple ballast piles; that the Basque operation and settlement pattern has strong similarities to Basque enterprises known from the 16th C. Labrador and Gulf of St. Lawrence and was a modest 'full-service' enterprise with shore facilities including a cook- or wash-house and a blacksmith shop; that these operations continued, probably with interruptions, over a number of years or possibly decades to account for the large size of the central ballast piles and the presence of numerous occupation levels and re-growth cycles in the peat deposits in the bog on shore. An interesting option, based on the large volume of wood shavings, chips, and larger debitage found in the underwater deposits, is to consider whether this substantial evidence for timber

squaring was for local consumption and erection of shore facilities; or, whether the Basques in the late 17th century may have been preparing timber for shipment, along with other commodities, to Europe, or possibly building boats or boat components for use at the site or for sale to Natives or others. Certainly timber would have been a precious commodity to the Basque of this time. These ideas can be explored with larger samples from future excavations.

Next year we plan to continue work at the blacksmith shop and expand underwater operations in collaboration with Brad Loewen and marine archaeology students from the University of Montreal. We plan to survey Hare Harbor with remote sensing gear to check for wrecks or other remains elsewhere in the harbour, and to excavate small blocks in the anchorage area. Meanwhile Anja Herzog of Laval University continues her study of the cultural remains recovered to date with the goal of providing specific identifications, sources, and dates that can be used for broader interpretations as to the ethnic and national identity of the voyages and their organization, financing, and provisioning. This task would be greatly facilitated by recovery of the larger and better preserved cultural materials that exist in the underwater midden.

Acknowledgments

This year our crew included Perry Colbourne (*Pitsiulak* skipper), William Fitzhugh, Christie Leece, Esther Perman (Dartmouth College), photographer Will Richard, and diver-archaeologists Erik Phaneuf and Frédéric Simard, who re-joined the project from last year representing the University of Montreal, which has become an institutional partner for our underwater work. The project was supported by the Arctic Studies Center, the Smithsonian Bateman Fund, and the University of Montreal's Underwater Archaeology Program thanks to Brad Loewen. Local interest and material assistance from the town of Harrington Harbor is gratefully acknowledged. We also appreciate the support of the Quebec Ministry of Culture and Communication. I thank Erik Phaneuf for producing the underwater diagrams, Frederik Simard for the underwater photographs, and Christie Leece for assistance in assembling the illustrations.

References

- Fitzhugh, William W.
2006a Cultures, Borders, and Basques: Archaeological Surveys on Quebec's Lower North Shore. In: *From the Arctic to Avalon: Papers in Honour of James A. Tuck Jr.* Proceedings of a conference. St. John's, Newfoundland, October 14-16, 2004. Edited by Lisa Rankin and Peter Ramsden.
2006b St. Lawrence Gateways Project 2005 Field Report. *The Provincial Archaeology Office Newsletter. Archaeology in Newfoundland and Labrador* 4:25-31. Government of

- Newfoundland and Labrador. Department of Tourism, Culture, and Recreation. St. John's.
- Rastogi, Toolika, M. W. Brown, B. A. McLeod, T. R. Frasier, R. Grenier, S. L. Cumbaa, J. Nadarajah, and B.N. White
- 2004 Genetic analysis of 16th-century whale bones prompts a revision of the impact of Basque whaling on right and bowhead whales in the western North Atlantic. *Canadian Journal of Zoology* 82:1647-1654.
- Romero, Aldemaro, and Shelly Kannada
- 2006 Comment on "Genetic analysis of 16th-century whale bones prompts a revision of the impact of Basque whaling on right and bowhead whales in the western north Atlantic." *Canadian Journal of Zoology* 84(10):1647-1654. 🐦

THE ROOMS PROVINCIAL MUSEUM

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On the Island during the summer months I delivered numerous site artifact collections to community museums throughout the Province for their seasonal exhibits. Elaine Anton, Collections Manager, facilitated this work to a great degree, and spent a few weeks assisting with the MUN Archaeology Field School.

In the summer I made a number of site visits – to the John Guy Plantation excavation at Cupids and the French fort excavations at Placentia. Discussions were held with Bill Gilbert and Steve Mills, principal investigators at those sites.

In Twillingate I held discussions with residents about possible Beothuk artifacts in the community. I later conducted a cursory survey of various Maritime Archaic and Palaeoeskimo sites in and around the community with local archaeology student Rob Anstey.

I visited the CMC in Gatineau, PQ to plan for a loan of some Twillingate site artifact collections obtained by the CMC 30 years ago. These artifacts will be used for research purposes and to enhance the current ancient history exhibit at the Twillingate Museum.

In terms of Twillingate's European colonial heritage, I helped record an extant dwelling house and a very large brick roofed root cellar on the Ashbourne Estate property, dating to the very early 19th century.

In Labrador I test excavated a small blow-out near the Anglican cemetery of Forteau, southern Labrador, as part of a Stage 1 mitigation process. Plans for enlarging the cemetery required this work. I participated in an archaeology symposium at Battle Harbour, Labrador, visiting sites there plus the nearby community of Cape Charles, now largely abandoned.

At the Rooms I continued working on a number of archaeology/history exhibits, helped to revise a few

ongoing student Education Programs, and helped to organize the Archaeology & Ethnology Collections.

A reminder that access to the Collections by students/researchers is best done by contacting

Elaine Anton, Collections Manager

(709) 757-8076 eaanton@therooms.ca

Under Elaine's supervision dozens of University students spent many useful hours cataloguing artifacts. As a result, much progress has been made in organizing the Collection for users of all sorts. 🐦

RE-EXCAVATING HOUSE 17 AT PHILLIP'S GARDEN, PORT AU CHOIX

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Memorial University

Introduction

In the 2007 field season the Port au Choix Archaeology Project re-excavated House 17 at the Dorset site of Phillip's Garden in the Port au Choix National Historic Site. We had two main objectives: (1) to re-examine the axial area of the dwelling to see if it contained two central post-holes similar to those found in House 2 and House 18 (Renouf, Wells and Pickavance 2003; Cogswell 2006; Cogswell, Renouf and Wells 2006); (2) to excavate a substantial area outside the dwelling perimeter to assess recent reconstructions of a large dwelling size based on perimeter identification (Renouf 2006; Cogswell 2006). House 17 was first excavated by Elmer Harp of Dartmouth College in 1963. A single radiocarbon date is 1465 ± 51 BP (P-734) (Harp 1976), which places House 17 at the end of the middle phase of site occupation. Although Harp did not publish a description of the dwelling, his sketches and notes describe a trilobate structure with a lenticular shaped central area. We excavated 135 m² covering the west half of the dwelling, including the central axial area and an area outside the western, southern and northern dwelling perimeter (Fig. 1). Highlights from the 2007 excavation are described below.

Axial feature

In his field notes Harp sketched the House 17 axial feature as two central pits and a number of slabs outlined by two curved shallow gullies that converged to the front (north) and to the rear (south) to form a lenticular outline. The rear convergence terminated in two large pits. We re-exposed this area and recorded five slabs in an approximate line, indicating the central cooking area of the axial feature. Two slabs were fat-stained and discoloured from heat and we concluded that they had been part of a soapstone pot stand. The slabs and pits were in a shallow trough that measured 92 cm east-west and 190 cm north-south. There were four pits

within this trough, two of which were large (33 x 45 cm; 26 x 37 cm) and deep (25 cm; 30 cm) and which we interpreted as post-holes. These are coloured blue in Fig. 1.

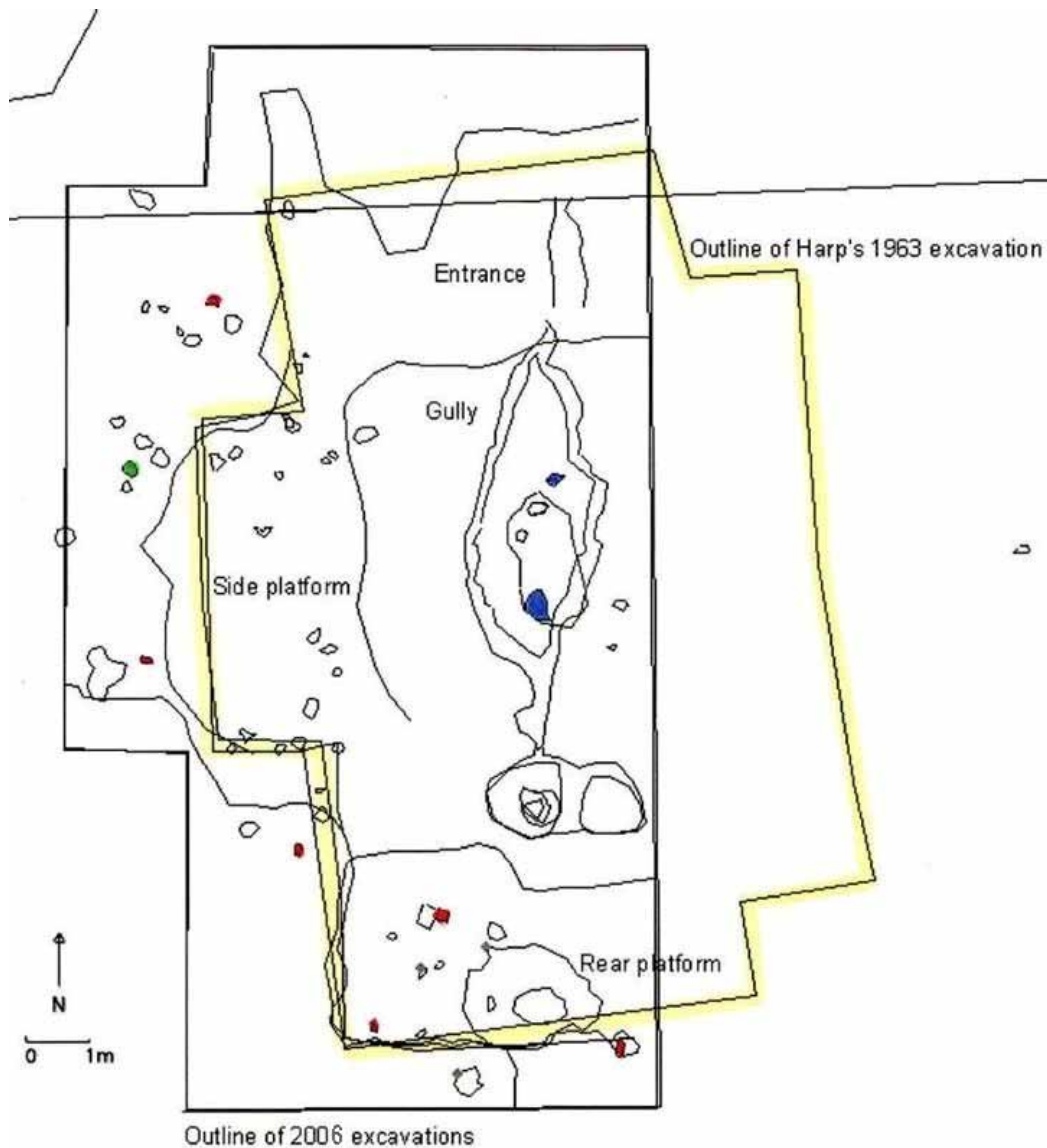


Fig. 1. Map of House 17 showing the extent of Harp's excavation (highlighted in yellow) and the 2006 excavation. The two central post-holes are filled in blue, the oblong deep post-holes are red, and a potential additional oblong deep post-hole is green. Note the gully outlining the axial feature. Also note the entrance and the side and rear platforms. (Renouf)

The narrow gully that outlined the axial feature was re-identified and found to measure 20-25 cm wide and a few cm deep. Although Harp depicted the gully forming two curved sides converging to form a lenticular shape, each side was composed of more than one curve and formed a scalloped outline. There was no gravel or sand in it to suggest a drainage feature, nor was the gully on a decline. We speculated that originally something must have been set in the ground around the axial feature. This would have functioned to demarcate the

space and to keep heated items contained inside and small children outside. We hypothesized that whale ribs would fit the curves and tested this using six whale ribs owned by Parks Canada and used in their Visitor Centre interpretive programs. Sizes ranged from 110 to 190 cm from distal to proximal end; the species are unknown. We placed the ribs onto the curved areas, fitting small ribs into small curves and large ribs into large curves. They fitted almost exactly, suggesting that originally whale ribs were used to outline the axial feature. (Fig. 2)



Fig. 2. Whale ribs from the Parks Canada Visitor Centre laid over the multiple curves of the gully that outlined the axial area. Note the line of slabs in the centre and also note the pit (=post-hole) that can be seen inside a curve to the right of the scale. (Renouf)

Large Post-holes

Three kinds of post-holes were found in and outside the perimeter area of the dwelling: small single, larger paired and large single. We found six of the large single type and concluded that they represent major structural elements in the dwelling; they are shown in Fig. 1 in red. These post-holes were oblong (9-17 cm wide on the narrow axis) and deep (9 to 32 cm). The depth dimension of two was incurvate and the rest were straight up-and-down. Four of the post-holes were spaced 3 m apart and a fifth was 6 m from the next. However, there was a smaller post-hole mid-way between the two which we did not identify as a deep post-hole at the time of excavation but which might be a larger hole that collapsed in the sandy matrix; this is shown in green in Fig. 1. If we are right that this was originally a major post-hole, they were spaced evenly apart at 3 m, outlining the perimeter of the structure. The sixth large single post-hole was an interior post on the inside edge of the well-defined rear platform. A large whale rib fitted nicely into each hole and they could stand up on their own. The larger of the whale ribs (190 and 183 cm) give a headroom of 174 cm at the back of the dwelling above the rear platform (Figs 3-5).



Fig. 3. Feature 170, an oblong deep post-hole on the outside perimeter of House 17. (Renouf)

This was the first time we had excavated well outside a dwelling's perimeter and as a result we found many post-holes that represent not only major structural elements as described above but minor structures as well. These smaller post-holes are not described here and not all are shown on Fig. 1. The major post-holes suitable for whale ribs are similar to those we found after dismantling dwelling Feature 55, which dated to the end of Phillip's Garden occupation (Renouf 2000, 2003, 1999). We speculate that if we were to investigate the outside area of other houses we would find similar large and deep post-holes. If so, then whale ribs were a major structural element in Phillip's Garden dwellings.



Fig. 4. Three whale ribs standing in narrow deep post-holes that frame the rear and side of House 17. Post-hole feature 170 is in the foreground. View is to the northwest. (Renouf)



Fig. 5. Two whale ribs in post-holes that frame the side and front of House 17, looking north. (Renouf)

House shape

With one exception, these large post-holes occurred on the outside perimeter of the dwelling. This was consistent with the raised perimeter surrounding the west half of the dwelling which formed a distinct rear area (of cobble pavement) and a distinct side area (of large and small cobble rubble). If the unexcavated east half of the dwelling is similar to this, then the dwelling is distinctly trilobate as first noted by Harp. The front area of the dwelling is outlined by a 1.5 wide berm of built-up sand. Remains of a 1.6 m long entrance is centrally located.

House size

Assuming that the east half of the dwelling mirrors the re-excavated west half and that the axial feature marks the centre of the dwelling, the footprint of the dwelling measures 11.6 m east-west and 11.9 m

north-south. Presuming that the front sand berm is not interior space, and taking into consideration the trilobate shape, the interior area of the dwelling is 88 m².

Conclusions

This is the fourth of Harp's previously excavated dwellings that we have re-excavated or re-tested since 2004. These are Houses 2, 10, 17 and 18, all dating to the middle phase of site occupation. These dwellings are large, have well-defined perimeter platforms and have two central post-holes in the axial feature. House 17 is the first dwelling where we found evidence of a gully surrounding the axial feature. It is the only dwelling where we have excavated outside the perimeter and as a result we found a series of well-defined post-holes, the largest of which likely accommodated whale ribs which formed the basic framework of the dwelling. We

speculate that this is a common architecture for Phillip's Garden.

Acknowledgements

We continue to rely on the generous support of Parks Canada, SSHRC, the Canada Research Chairs Program, Memorial University and the Provincial Archaeology Office.

References

Cogswell, A. E.

2006 Investigation of House 18, A Middle Phase Dwelling at Port au Choix, Newfoundland. MA thesis, Department of Anthropology, Memorial University. St. John's.

Cogswell, A. E., M.A.P. Renouf and P. Wells.

2006 2005 Excavations at the Port au Choix National Historic Site. Report for Parks Canada, Western NL and Labrador. Rocky Hr.

Harp, E.

1976 Dorset Settlement Patterns in Newfoundland and Southeastern Hudson Bay, in *Eastern Arctic Prehistory: Palaeoeskimo Problems*, ed M. Maxwell, 119-138. Memoir for the Society for American Archaeology. Washington, D.C.

Renouf, M.A.P.


2006 Re-investigating a Middle Phase Dorset Dwelling at Phillip's Garden, Port au Choix, Newfoundland. *Dynamics of Northern Societies: Proceedings of the SILA/NABO Conference on Arctic and North Atlantic Archaeology*, Copenhagen, May 10th-14th, 2004, eds J. Arneborg and B.Grønnow, 119-128. Publications from the National Museum, Studies in Archaeology and History, 10. Copenhagen.

2003 Palaeoeskimo Dwelling Structures in Newfoundland and Labrador: A Review. *Etudes/Inuit/Studies* 27(1-2):375-416.

2000. Archaeology at Port au Choix: 1990-1992 Excavations. *Occasional Papers in Northeastern Archaeology*, 12. St. John's: Copetown Press.

1999 Ancient Cultures, Bountiful Seas: the Story of Port au Choix. St. John's: Historic Sites Association of Newfoundland and Labrador.

Renouf, M.A.P., P. Wells and J.R. Pickavance.

2003 The 2004 Field Season at the Port au Choix National Historic Site: Phillip's Garden (EeBi-1) and Barbace Cove (EeBi-12). Report for Parks Canada, Western NL and Labrador. Rocky Hr. 

EXCAVATION AT ASHUANIPI LAKE, WESTERN LABRADOR

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In the summer of 2006 the first in-depth archaeological excavation ever done in western Labrador was conducted at Ferguson Bay 1 (FfDn-01) by a team from Memorial University. The crew included Ainslie Cogswell, Jodie Ashini, Matt Beaudion, Scott Neilsen and myself (Jamie Brake). Scott Neilsen, Jody Ashini and I also spent time on Ashuanipi Lake during the 2005 summer field season as part of a survey project,

the purpose of which was to assess the archaeological potential of the area. That year we also explored Ashuanipi River and part of Menihek Lake, further to the north. While we were on Ashuanipi Lake in 2005 we visited the Ferguson Bay 1 site that had been archaeologically tested in the early 1990s by F. Niellon who noted the presence of chert flakes which attested to a prehistoric presence at the site (Niellon 1992). We did a little more testing in the area that summer and found two hearth features, hundreds of stone flakes and half of a bifacially worked stone tool. During the survey we recorded a number of previously unknown pre-contact sites on the lake but it was decided that I would return to the Ferguson Bay 1 site in 2006 to excavate. This was because of the amount of cultural material recovered, the size of the site and because of its strategic location on a sandy beach near a part of the lake which never freezes. With the help of Scott Neilsen and the field crew mentioned above I was able to successfully complete the field portion of my MA research project at the site, the overall goal of which is to help build an understanding of the culture history of interior Labrador.

Ferguson Bay 1 is located on the northwestern shore of Ashuanipi Lake very near where the lake narrows and becomes Ashuanipi River. This lake is part of an historic Innu travel route through the interior of Labrador and a radio carbon sample that we collected in 2005 has produced a date which shows that Ferguson Bay 1 was used at least as early as 1400 +/- 40 years B.P. Another charcoal sample we collected produced a date which demonstrates that the site was also used 1000 +/- 40 years B.P. During the excavation this past summer we were able to open up just over twenty square meters at the site. This year we discovered two more hearth features, one of which (Feature 2) seems to have been used several centuries earlier than the other (feature 1). In and around Feature 2 we recovered many artifacts including a number of bifacial and unifacial stone tools, as well as thousands of flakes. Feature 2 is a linear hearth which was not completely excavated and therefore its total length is not yet known. The uncovered portion of this feature is approximately one meter wide by three meters long and runs parallel to Ashuanipi Lake. Feature 1 appears to have been used in both pre-contact times and right through the historic period. Historic artifacts such as an Innu snowshoe needle (made of metal), three beads, buttons (some glass and one made of bone), some cloth, a piece of leather, a square nail, a musket ball, pieces of birch bark, 44-40 calibre bullet shells, some unidentified pieces of metal and melted glass were found in and around this feature. Large numbers of stone flakes were also found in this

part of the excavation area – some were found along with historic artifacts but most were found deeper down in the soil. Also found near this feature were two pieces of what appear to be flaked glass which could have interesting implications. A number of charcoal samples were also collected from both hearth features. In addition, Richard Josephs, a micromorphologist from the University of North Dakota spent a week at the site with us and during this time he collected soil samples right through and underneath Feature 1 which will provide environmental information on the site.

I would like to thank a number of people for their assistance, kindness and hospitality for the past two summers in Labrador west. First of all, Ed and Joyce

Montague were instrumental in getting these projects going and they helped our crew in too many ways to mention here. I would also like to thank Peter and Shirley Record for the delicious food and good times, and my uncle Dave Saunders for helping us out with our equipment, and for taking us to so many amazing places. Finally I would like to thank the excavation team for working so hard and for doing such a great job this summer.

References

Niellon, F.

1992

The Naskapi of the Ashuanipi in the Days of New France. Report prepared for The Labrador Heritage Society, March 1992. Report on File, Provincial Archaeology Office.



Figure 1: Historic artifacts found near Feature 1. From top left: Snowshoe needle; 44-40 calibre bullet shell; square nail; glass bead; bone button. (Brake)



Figure 2: Stone tools found in association with Feature 2. (Brake)




Figure 3: Feature 1, limit of excavation, view grid south. (Brake)



Figure 4: Feature 2, view grid south. (Brake)



Figure 5: Excavation area, view grid south. (Brake) 

THE BIRD COVE ARCHAEOLOGY PROJECT

Latonia Hartery

University of Calgary

In 2006, the Bird Cove Archaeology Project focused entirely on survey. This year, under a new auspice entitled Pushing the Boundaries: Survey from Bird Cove to Pond Cove, we expanded outside the towns of Bird Cove, Brig Bay and Plum Point to include the neighbouring towns of Blue Cove and Pond Cove. To date, what we have learned about the history and prehistory of this area has largely come from sites located in Bird Cove, most of which are focused on the Dog Peninsula. This summer the aim was to gain insight into the question of whether the Dog Peninsula was saturated with archaeological sites because it offered something special that other areas did not, or was its archaeological richness a result of the fact that most survey so far has been carried out in Bird Cove. Therefore, we expanded outside Bird Cove into Blue Cove and Pond Cove with substantial reward. Six new archaeological sites were discovered, four in the new survey area and two in the former.

Our approach to discovering new sites was threefold in design. First, we utilized information about settlement patterns and site distributions from literature reviews; second we established hypotheses on site locations based on our own archaeological research in Bird Cove; and finally, we incorporated more local help since there has rarely been a time that local leads had not been fruitful. However, the local approach had a distinct form. Based on my last ten years in the Bird Cove area, I realized that evenings spent in homes, socializing over food and tea and building trust, garners more information about site location and land use than any formal inquiry ever could. Many teas and pounds later, as well as with a few leads from the Provincial Archaeology Office (PAO), the following discoveries were made and are discussed in a North to South location on the coast.

Ste. Genevieve River-1 (EgBe-01) was our first site visit. Hull and Reynolds, who previously visited and recorded the site in 2002, suggested it might have a greater diversity than they had time to explore. They were correct. We divided the site into an Early Recent Indian occupation near the shore (EgBe-02), and a possible Maritime Archaic Indian site at a higher elevation near the road. In Pond Cove, we surveyed the stunning Seal Point, which juts out into the ocean and is characterized by a number of raised terraces. It also had a similar appearance to Dog Point of the Dog Peninsula, which is home to several Palaeoeskimo sites. Local residents reported that there should be at least one historic site on the Point; this was welcome news since prehistoric ones, due to prior research goals, outnumber

historic sites in this heart of the Basque and French cod fishery. One hundred test pits later the historic site Seal Point (EgBf-33), likely dated to between 1860 and 1920, was recovered but no Palaeoeskimo sites were found. Further south in Blue Cove, the historic site Blue Cove-1 (EgBf-34) was recorded and we visited Fish Island -1 (EgBf-29), which had been reported to the PAO by residents but never checked by an archaeologist. This French site has a badly preserved bake oven but does feature some interesting ceramics. Unfortunately, much of Blue Cove is badly disturbed from companies mining gravel for road construction, etc., since the early 1960s. The Cove would have been filled with panoramic views of the ocean and beautiful sheltered terraces but the latter have long since been obliterated. Elders of the town reported that a burial was destroyed 'many years ago' that was not aboriginal but European in nature. However, the objects found within the grave were of a style they did not recognize. No one seems to know the whereabouts of these objects and many of the locals that worked on the project with the construction companies have since passed on.

Our third study of a prehistoric site arose when we discovered the Palaeoeskimo lithic manufacturing camp on Old Ferolle Island called Clement's Landing (EgBf-36). The site was named after boat operator Clement Gould who skilfully put us ashore directly below the site. The fourth aboriginal site recorded was Marks (EgBf-35) on the Dog Peninsula. Three different residents revealed it to us, and I inquired about its location based on research I had previously executed for the document *A History of Bird Cove* (Hartery 2005). The site is likely an interment of a Montagnais family from the Lower North Shore of Quebec who made the Dog Peninsula their home for a short time in the late 1800s (there are several landmarks in the Bird Cove area named after the family). No test pits were implemented for obvious reasons but the site was recorded based on corroborating historical texts with local knowledge and experience.

These finds, combined with a town presentation, interviews with CBC Radio based on the discoveries, and coverage in the Northern Pen, as well as developmental meetings for our new organization Amina Anthropological Resources Association, made for a very busy, productive, and joyful summer. We recorded and reported on six new sites, which now makes the total in that area a staggering 37 in total. Four of these were in the expanded research area. Although not as numerous as those on the Dog Peninsula, these new finds show that research potential exists in the Blue Cove-Pond Cove area. A final yet interesting aspect is that of the six sites, at least two have no prior counterparts; i.e. this is

the first Palaeoeskimo lithic manufacturing camp and Montagnais burial to be recorded in our research area.

Many thanks to the J.R. Smallwood Foundation for making this new research possible, and

also to the Big Droke Foundation, Amina Anthropological Resources Association, Provincial Archaeology Office and residents of Bird Cove-Pond Cove.



Initial Testing at Seal Point. (Hartery)



Edmund Gould, he has been the source/lead of many finds between Bird Cove and Pond Cove. (Hartery) 🦿

DISCOVERING ANCIENT LANDSCAPES UNDER THE SEA

Trevor Bell

Memorial University

Dr. Trevor Bell, Professor of Geography and Coracle Irish-Newfoundland Fellow at Memorial University of Newfoundland, is co-founder of

a new collaborative research initiative to investigate the exciting prehistoric archaeological potential of our Atlantic seabed. The research network – the **Submerged Landscapes Archaeological Network (SLAN)** – is a multidisciplinary consortium of researchers from universities and government agencies in Ireland, Northern Ireland and Newfoundland. The research network has three main goals: (i) to demonstrate

that ancient landscapes are preserved on the seabed of inshore coastal waters around Ireland and Newfoundland; (ii) to locate and record archaeological sites and materials preserved on these submerged landscapes; and (iii) to understand how these earliest coastal environments facilitated the expansion and growth of the first populations of Ireland and Newfoundland and how the evolving coastal landscape and marine resources may have stimulated social and cultural change across prehistoric times and into the Middle Ages.

SLAN has established partnerships with the Geological Survey of Ireland, the Marine Institute of Ireland, the Geological Survey of Canada (Atlantic), the Canadian Hydrographic Survey, and Fisheries and Oceans Canada in seabed mapping of coastal and nearshore environments. Although these surveys are

primarily designed for marine resource mapping, they provide unprecedented opportunities for mapping submerged landscapes and archaeology.

Initial research has focused on the development of palaeogeographic maps of Ireland and Newfoundland to identify the depth and position of submerged shorelines at selected time periods (Figure 1). These maps are now being used to plan seabed surveys in selected regions.

A feature article on SLAN, its scientific basis and objectives, appeared in the summer issue of *Archaeology Ireland*. There is also a web site

<http://www.science.ulster.ac.uk/cma/slan/> to keep the public on both sides of the Atlantic up-to-date on research developments and exciting new discoveries. Trevor Bell can be reached at: tbell@mun.ca

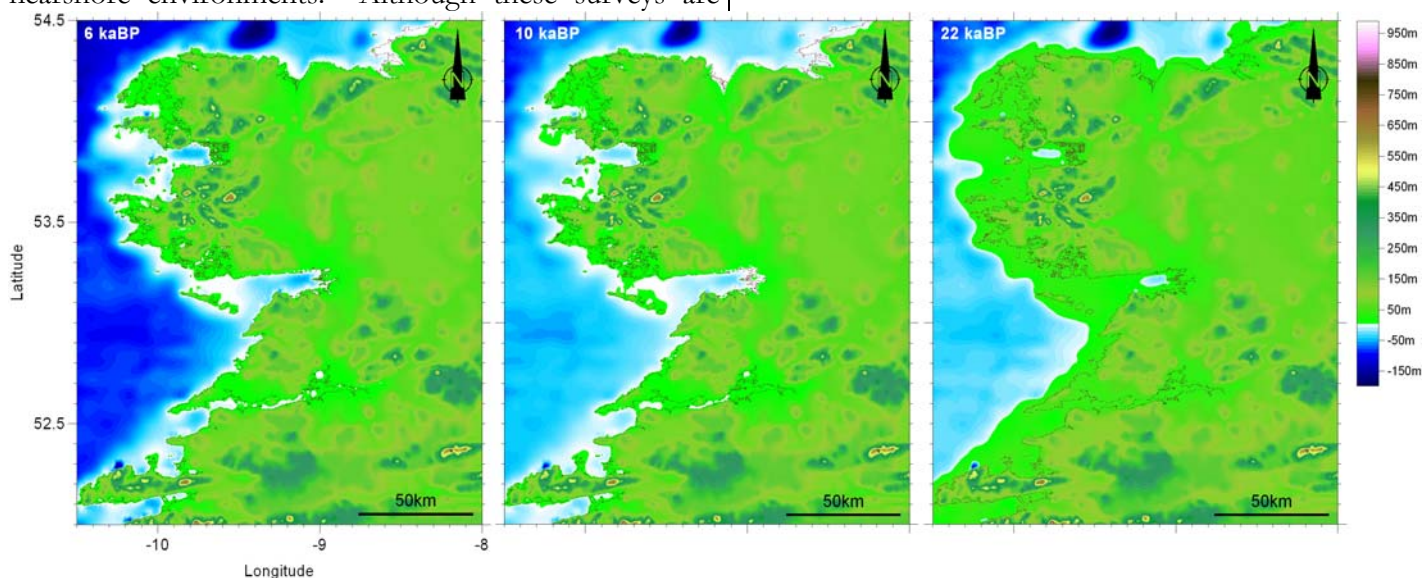


Figure 1 Regional palaeo-geographic and sea-level reconstructions recently generated for the west coast of Ireland *circa* 6kaBP, 10kaBP and 22kaBP. The black line represents the present-day shoreline. For the sake of clarity, the location of the ice-margin is not depicted. Focusing on the 6ka BP image, we can see that at about 4000 BC (i.e. the Mesolithic/Neolithic transition), there were extensive lands at the mouth of the Shannon estuary (where archaeologists have investigated Neolithic and Bronze Age submerged forests and occupation sites). During the Neolithic, parts of the west coast seabed were drylands. This has significant implications for our understanding of early 'island colonisation' (i.e. most of the islands were actually connected to the land), the distribution of 'coastal' Neolithic megalithic tombs (i.e. many were actually on river banks some km from the sea) and the interpretation of prehistoric settlement patterns generally. Similar dramatic conclusions can be drawn from other parts of the Irish coastline (SLAN). (Bell) 🐦

MINASKUAT & JACQUES WHITFORD ENVIRONMENT LIMITED ARCHAEOLOGY FOR 2006

Fred Schwarz and Roy Skanes

Minaskuat Archaeologists Fred Schwarz and Roy Skanes carried out a number of Historic Resources Impact Assessments in Labrador in 2006, including two HRIAs on sections of the Trans-Labrador Highway Phase III (Happy Valley-Goose Bay to Cartwright Junction) for the Department of Transportation and Works, and an HRIA related to

IOC's proposed tailings confinement area at Wabush Lake. No findings of significant historic resources were identified during either of these studies.

Large-scale projects in Labrador included Archaeological Assessments for LabMag GP Inc. of a proposed mine site in the Schefferville area, the associated slurry pipeline corridor leading south to Emeril, and a transmission line corridor extending east to Churchill Falls. The LabMag Assessment led to the recording of thirteen new precontact sites on Menihék Lake and the Ashuanipi, along with a variety of

ethnographic and contemporary sites throughout the Study Area.

In addition, historic resources impact assessment work on the Churchill River for Newfoundland and Labrador Hydro resumed in 2006. An assessment of proposed transmission line corridors between Gull Island and the Strait of Belle Isle, and between Muskrat Falls and Gull Island, resulted in the recording of numerous ethnographic and contemporary sites. HRIA of the proposed Muskrat Falls Reservoir component of the Lower Churchill Hydroelectric Generation Project led to the discovery of seven new precontact sites and one historic site (almost certainly 19th century) between Gull Rapids and Muskrat Falls.

On the Island, Archaeologist Roy Skanes of Jacques Whitford Environment completed an assessment of the site selected for development of a natural gas tank farm at Grassy Point, Placentia Bay. Other than a number of areas used as vegetable gardens in the late 19th and early 20th centuries, no other sites were recorded within the Study Area.

Roy Skanes also completed two other Stage 1 Assessments on the Island in 2006 - one at Norris Point for a proposed housing development and one at Come By Chance Point, Placentia Bay, for a proposed oil refinery. With the exception of two vegetable gardens of possibly 19th century origin recorded in relation to the oil refinery project, neither of which will be impacted by development, no materials of historic resources significance were identified.

Other research completed in 2006 includes excavations at Trinity for a proposed cooperage reconstruction project. Trinity Historical Society is planning to construct a replica of a cooperage that extant historic sources indicate functioned as an essential component of the Lester, Garland and Ryan mercantile enterprises for approximately 120 years - that is, from *circa* 1800 to the early 20th century. It is proposed that the reconstruction be situated in a meadow to the north of the Ryan's Shop and, when completed, it will be operated by the Society as a living history exhibit.

Following a review of preliminary project details by the provincial Department of Tourism, Culture and Recreation (upon whose land the building will be constructed), a number of conditions were put in place. Key among these was that the design of the new structure should be historically accurate and in keeping with the time period as regards its overall appearance, dimensions and the types of building materials and construction technology used. As well, given that an early painting of the Lester Premises suggested that a smaller cooperage may have been erected in the meadow

sometime in the 1760s, and that remains thought to be associated with the larger 19th century building were identified in the 1990s and registered as archaeological site DcAi-31, the Provincial Archaeology Office required that a Stage 1 Assessment of the property be carried out prior to commencement of any ground disturbing activities.

In the fall of 2006, the fieldwork component of the Stage 1 Assessment was conducted at Trinity for the proposed cooperage project. The primary objectives of the research were to:

1. test two locations in the meadow - **Option A** and **Option B** - to determine which would be the most feasible location for construction; and
2. gather - through targeted excavations of DcAi-31 - information regarding construction and operation of the 19th century cooperage to help ensure that the design and interpretive strategy for the proposed building are consistent with the requirements put in place by government.

The results of research from the north end of the site indicate that the hearth area of the 19th century cooperage where barrel fabrication would have taken place was in a relatively good state of preservation, was larger than expected measuring approximately 5 m x 3 m, had a stone foundation and, as anticipated, was paved with brick. Excavations to the south of the hearth toward the Ryan's Shop revealed that, while the entire building was likely supported on a rough-made stone foundation, large segments of it were missing. Nevertheless, it was established that the overall dimensions of the cooperage were in the order of 13 m x 7.5 m.

Also recorded at the north end of the site, extending beneath the stone foundation of the 19th century hearth, was what appears to be other building remains, consisting of stone and brickwork. Based on the limited excavation and recording completed at that location, it is difficult to provide a conclusive interpretation at this point. Nevertheless, a tentative suggestion is possible.

As discussed above, it appears that a cooperage (or some type of structure) was in place at this general location on the Lester Premises by the 1760s. An original oil painting from that period suggests that the building was relatively small, had a chimney at one end (and therefore an interior hearth), and was oriented perpendicular to the larger, more recent structure. Based on the limited data compiled to date, it is possible that the remains unearthed in 2006 extending beneath the 19th century hearth are associated with this earlier, mid-18th century cooperage. Further field research is

required to confirm this possibility and to acquire additional information related to its overall nature and extent.



DeAi-31 Showing 19th Century Cooperage Remains and Construction Options A and B. (Skanes) 

BACCALIEU TRAIL ARCHAEOLOGY, 2006

William Gilbert

Baccalieu Trail Heritage Corporation

During the 2006 season the Baccalieu Trail Heritage Corporation conducted excavations and/or survey work at four locations: Cupids, New Perlican, Hant's Harbour and Bay de Verde.

Cupids

A total of nine weeks (July 24 - September 22) were spent conducting excavations and survey work at Cupids in 2006. During this time excavations were concentrated at the south end of the site in an attempt to uncover more evidence of the enclosure wall erected by John Guy in 1612. Survey work was also undertaken in an effort to locate the fort constructed by Guy in the summer of 1612.

The Enclosure

As excavations have expanded beyond the dwelling house and storehouse over the last few years, evidence of the enclosure that once surrounded these buildings has begun to emerge. In 2002 we uncovered a 20 inch (51 cm) wide builders' trench running along the northern boundary of the site and in 2003 we found the base of a two foot (61 cm) wide stone wall extending west beyond the trench. The area between the trench and the wall had been disturbed by a cellar built there in

the 19th century but there can be little doubt that both the wall and the trench once formed part of the north wall of the enclosure. In 2003 we also found two 10 inch (25 cm) wide postholes eight feet apart at the centres that form a line running roughly parallel to, and eighteen feet (5.5 m) east of the storehouse. In 2005 we uncovered another two 10 inch wide postholes at the south end of the site. These two posts are six feet apart at the centres and form a line that runs roughly parallel to, and eighteen feet south of the dwelling house. While two posts do not necessarily make a wall, the size, location and orientation of these postholes suggested that they were probably part of the enclosure as well.

In 2006 we opened up a 26 square metre area at the south end of the site in an effort to locate more evidence of the south enclosure wall. Unfortunately, some of this area had been extensively ploughed during the 1970s (and probably well before then) and, where this occurred, any evidence of posts that may once have existed appears to have been obliterated. However, two postholes were uncovered in the eastern half of this area. These posts run along the same line established by the two uncovered to the west in 2005 and, like them, are six feet apart at the centres. The easternmost of the two is quite substantial and appears to have been the corner post which connected the south and east enclosure walls.

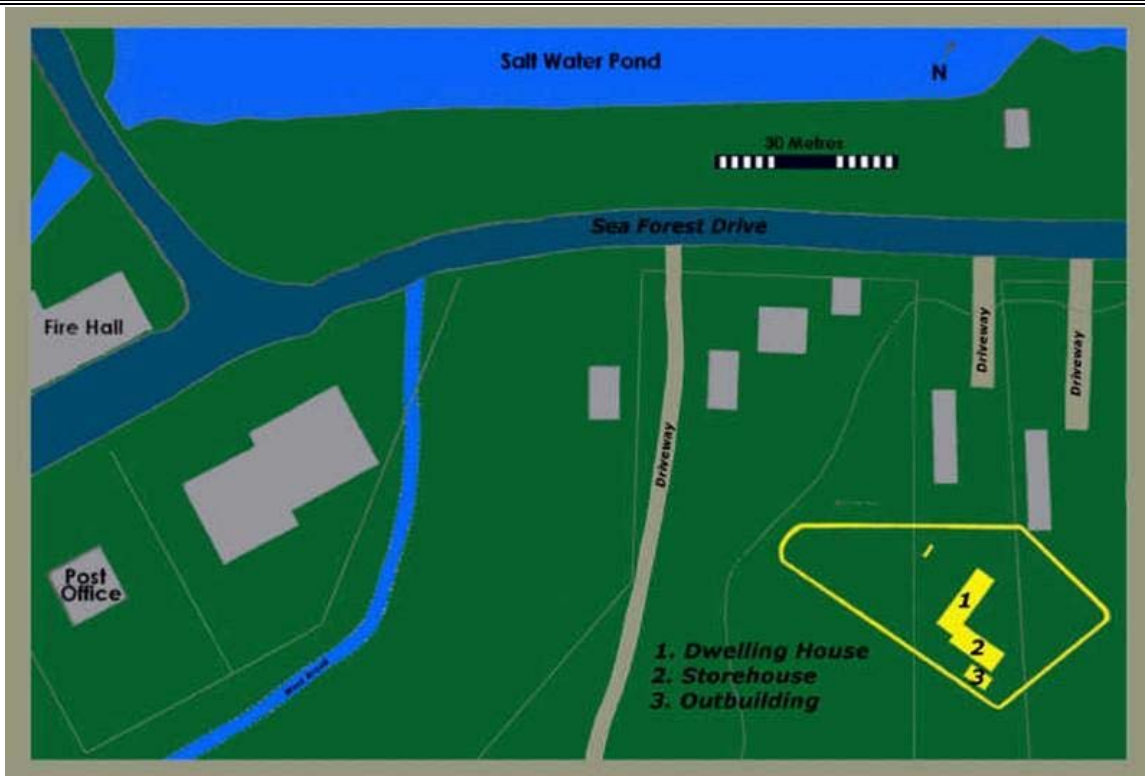


Image 1: Map showing the projected outline of the enclosure at Cupids. (Gilbert)

The discovery of these features has allowed us to produce a map (Image 1) which shows the approximate outline of the enclosure (in yellow) as it relates to both the seventeenth-century buildings located inside it (also in yellow), the structures currently standing in the area (in grey) and the surrounding topography. The West Brook is shown following the course it would have followed before it was diverted a number of years ago. Much of the land north of Sea Forest Drive is man-made. In 1610, and for many years thereafter, the salt water would have extended south at least as far as the present day road. While further excavations may result in some changes, the outline of the enclosure shown here should be fairly accurate and provides us with important information on which to base further excavations and research.

If these features are part of the original enclosure then they also provide important clues about how the enclosure was built. Clearly part of the north wall, facing the harbour, was of stone construction while the substantial trench extending east from the stone wall suggests that this portion of the enclosure (also facing the harbour) was probably built by placing posts side by side in the ground similar to the way nineteenth-century American frontier forts are often depicted. In a letter written on May 16, 1611 John Guy talks about mounting guns “upon a platforme made of great posts and rails and great Poles sixteene foot long set upright around about”, but this appears to have been separate from the enclosure (Quinn 1979:148).

The size and spacing of the posts to the east and south of the dwelling house and storehouse indicate that this part of the enclosure wall was probably of post and rail construction. This technique was often used in building seventeenth-century wooden defence works. Horizontal rails ran between the main supporting posts and vertical planks, or pales, were fastened to the rails to create a continuous, solid wall. Often the pales were sharpened at the top to further deter unwanted visitors. A distance of six to eight feet between the supporting posts would have been fairly common. A description of this type of fortification from 1622 states that the posts should be seven feet apart and that the pales should be seven feet high (Noel Hume 1982:235-236). The pales used at Cupers Cove, and the wall of which they were a part, were probably about the same height.

Looking for the 1612 Fort

While half of the crew was engaged in uncovering the south enclosure wall, the other half was busy looking for the fort erected by the colonists in the summer of 1612. When John Guy's party arrived at Cupids in 1610 one of the first things they did was erect a defence works. Guy provides no clues as to the location of this fortification and, as mentioned above, although some have suggested that it was part of the enclosure, it seems more likely that it was separate from it. In the summer of 1612 Guy undertook the construction of another fortification in an attempt to protect the colony from the pirates who were raiding the coast that year. In a letter to Sir Percival Willoughby written on August 27, 1612, Henry Crout reported that

the governor, "must make him selfe strong doubting of other Pirates yf the same come not againe. Therefore it is requisite that the general and cheefest place [i.e. Cupids] should be made strong for the plantation before any other be taken in hand..."(Mi x 1/15). Seven days later, on September 3, John Slany wrote to Willoughby from London that, "Master Guy is now makinge a Fort which is almost Finished which he writes will be impregnable..."(Mi x 11/18).

Whether the fortification erected in 1610 and the one built in 1612 were in the same place we cannot say but we do have some clues as to the location of the second fort. In his diary entry for December 12, 1612 Crout records that, "our Freshe watter lake by the Fort was frozen over", and on January 23, 1613 he reports that, " the freesh watter lake between the Fort and the house [was] all Frozen over..." (Quinn 1979:165-166, 169). The "freesh watter lake" mentioned by Crout is obviously Cupids Pond and "the house" is probably either the main dwelling house or one of the other dwellings within or near the enclosure. So, the fort built in 1612 must have been located near Cupids Pond. On first reading, Crout's statement that the lake was "between the fort and the house" seems to suggest that the fort was on the other side of Cupids Pond opposite the plantation. However, such a location makes no sense strategically and would have rendered the fort incapable of defending the harbour: hardly the "impregnable" fortification described by Slany. Instead, what Crout probably means is that that part of the lake "between the Fort and the house" had frozen over. In other words, the fort was located at some distance along the lake from the plantation and it was this section of the lake that had frozen. Since a fort located farther west along the lake would have been almost as useless as one located on the other side, it seemed logical to assume that it was somewhere farther east along the lake and nearer the entrance to Cupids Harbour.

There is one place in Cupids harbour that seemed to fit all the above criteria. Roughly 450 metres east of the enclosure at the eastern end of Cupids Pond and about 150 metres back from the current shoreline is a high, level terrace. Rising twelve metres above the harbour entrance, the terrace runs parallel to it for about 115 metres from northeast to southwest and is roughly 25 metres wide at its widest point near the eastern end. The terrace would make a natural fortification with steep shale cliffs dropping away for about eight metres to the north facing the harbour and a narrow spine of rock rising up to a height of twelve metres behind it to the south before dropping steeply away to Cupids Pond. The entrance to Bay de Grave can be clearly seen from the

terrace and, perhaps just as importantly, the terrace can be seen by anyone sailing into the bay. So, we reasoned, a fort located in this area would warn any potential attackers that the harbour was well fortified and act as a deterrent to anyone contemplating such an action.

A total of four weeks was spent testing this terrace. During this time, four 1m wide trenches of varying lengths, four 1m x 1m test units, and a series of 40cm x 40cm test pits were dug but no evidence of anything dating from the seventeenth century was recovered. Further testing was also conducted along the side of Cupids Pond between the terrace and the plantation site but to no avail. Despite our best efforts, the location of the fort built at Cupids in 1612 still remains a mystery.

New Perlican

A total of five weeks (September 24 - October 27) were spent conducting excavations at the Hefford Plantation site in New Perlican in 2006. During this time our efforts concentrated on Area B and Area C.

Area B

Records indicate that William Hefford had erected one dwelling house and nine store rooms and lodging houses at New Perlican by 1677 (C.O. 1/41). Area B, located just east of George Peddle's house, has produced thousands of late seventeenth-century artifacts over the past five years and would seem a likely location for at least some of these structures. Despite this, we have been unable to pinpoint the location of any seventeenth-century buildings in the area. In 2006 we excavated a total of fourteen square metres running from west to east across area B in another attempt to locate evidence of early buildings but, once again, while the area produced numerous artifacts, no trace of any building was uncovered.

The reason for this may well lie in the nature of the terrain itself. Today much of this area consists of manicured lawns. However, excavations have revealed that the landscape was very different three centuries ago. Over the past 300 years human activity has resulted in the accumulation of between 60cm and 80cm of organically enriched soil over what was once a boulder strewn, gravel beach. Any structures that may once have stood here would almost certainly have been erected on wooden stilts and shores above the boulders. By their very nature, such buildings would have left little evidence of their existence. It may still be possible to determine the approximate location of some of the buildings that once stood in Area B by plotting in the distribution of artifacts such as nails, window glass and ceramic. However, a more precise understanding of the nature of these buildings may not be possible.



Image 2: Excavating the pit in Area C, New Perlican. (Gilbert)

Area C

Human activity has left a much more substantial mark on the landscape in Area C located in the southwestern corner of the site on the edge of the bank just above the beach. In 2004 we discovered a seventeenth-century, rubble filled pit in this area and the excavation of this pit was ongoing during 2004 and 2005. In 2006 we drew a profile of the pit and excavated the remainder of it (Image 2).

The pit is roughly circular and measures 10 ft. (3.05 m) wide and 3 ft 2 in (98 cm) deep. It had been filled in with rubble beneath which was a deposit of burnt timbers that was clearly the remains of a wooden structure that had once stood over the pit. An analysis of the material recovered from the pit indicates that the structure burnt and the pit was filled in sometime in the late seventeenth century. While we may never know for sure, it is possible that this is one of the structures destroyed by D'Iberville during his raid on New Perlican on February 9, 1697 (Prowse 1895:232). It may be that this pit was part of a larger structure that once stood in Area C. In 2007 we will expand the excavation beyond the pit to see if any evidence of such a structure can be found.

Hant's Harbour

The Custer's Head site is located on the eastern side of Hant's Harbour on the grassy neck leading out to Custer's Head. It was discovered during a two day survey of the harbour conducted in 2004 and contains both a

Recent Indian component and a seventeenth and early eighteenth-century European component. In 2005 we returned to Custer's Head for one day and dug three 1m x 1m units at the site. In one of these units we uncovered the edge of what appeared to be a stone footing.

We returned to Custer's Head for one day (November 8) in 2006. During that time we reopened the unit in which the feature had been found and extended it west by another metre creating a 1m x 2m trench. This trench revealed the remains of what was indeed a substantial stone footing (Image 3). Artifacts found around and directly above this footing indicate that it is part of a building dating to the late seventeenth or early eighteenth century.

Hant's Harbour was probably utilized by migratory fishermen throughout the seventeenth century but it appears that year-round settlement did not begin until around 1690. When the French raided Hant's Harbour on February 7, 1697, they reported seeing four houses there although all the inhabitants had fled (Prowse 1895:232). Once the fear of French attack had subsided the harbour was quickly reoccupied. A list of inhabitants compiled in 1698 indicates that there were forty-one people living at Hant's Harbour at that time including four planters, one woman, seven children and 29 servants (Williams 1987:112). Although it is too early to say for sure, it may be that the structure we discovered is the dwelling house of one of these four planters. It certainly looks like a substantial building.



Image 3: Uncovering the stone footing at Custer's Head, Hant's Harbour. (Gilbert)

Bay de Verde

While digging around the foundations of his house in Bay de Verde about twenty years ago, Brian Walsh discovered some European artifacts. I was first made aware of this about ten years ago when I visited Brian and he showed me some of the things he had uncovered. These included a large number of clay tobacco pipe stems with 7/64 and 8/64 bore diameters (indicating that they were of seventeenth-century origin) and several seventeenth-century clay tobacco pipe bowls. The earliest of these bowls appears to have been made sometime between roughly 1620 and 1650. We had wanted to visit Bay de Verde for a long time but our busy field schedule had prevented us from doing so. However, on November 15 we made a trip to Bay de Verde to do some initial survey work.

We conducted a walking survey of the town and then returned to Brian's property to have a closer look. Several test pits were dug along a line running roughly 10m north of and parallel to Brian's house and these revealed more seventeenth-century material in this area. Artifacts recovered include a late seventeenth-century pipe bowl fragment, a late seventeenth-century bottle neck fragment, and shards of Westerwald stoneware, tin-glazed coarse earthenware, and coarse earthenware made in Verwood, Dorset. Testing indicates that the site covers an area measuring at least 15m x 15m and is probably quite a bit larger. Some damage has been caused by water and sewer lines. We plan to return to

Bay de Verde at sometime in the future to sample the site and determine its boundaries.

References

Primary Sources

Colonial Office, C.O. 1/41 (1677 Census).
The Middleton Manuscript (or 'Willoughby Papers') Mi X I/1-66.
Papers of Sir Percival Willoughby Relating to the Newfoundland Company, 1610-1631. Transcriptions on file at the Provincial Archives of Newfoundland and Labrador, St. John's.

Secondary Sources

Noël Hume, Ivor
1982 *Martin's Hundred: The Discovery of a Lost Colonial Virginia*. New York: Dell Publishing Company.
Prowse, D.W.
1895 *A History of Newfoundland from the Colonial and Foreign Records*. London: Macmillan and Company.
Quinn, David B. (editor with Alison M. Quinn and Susan Hillier)
1979 *Newfoundland from Fishery to Colony. Northwest Passages Searches*. Vol 4 of *New American World: A Documentary History of North America to 1612*. New York: Arno Press and Hector Bye.
Williams, Alan F.
1987 *Father Baudoin's War: D'Iberville's Campaigns in Acadia and Newfoundland, 1696, 1697*. St. John's: Memorial University of Newfoundland

REPORT OF ACTIVITIES 2006 - AARDVARK ARCHAEOLOGY LTD.

Steve Mills

Aardvark Archaeology Ltd.

*Archaeological Monitoring of the 2006 Ferryland Beach
Stabilization*

The wind and seas are constantly changing the landscape along the beach that surrounds the Pool at Ferryland. Strong winds and heavy seas, sometimes aided by high tides and storm surges, continuously heave the beach to and fro. In the past, this wave action has resulted in the shifting of incredible amounts of beach cobbles, so much so that the whole shape of the beach changes with time. Archaeological investigations at the site of the seventeenth-century Colony of Avalon have uncovered evidence of tremendous storm surges that had pushed waves of beach rocks more than 100 metres inland. The low-lying nature of the land that surrounds the Pool makes it susceptible to heavy seas and it was felt there is a real danger that such seas could, one day, breach the beach that separates the Pool from the rest of the harbour. Such a disaster could effectively destroy the Pool, taking away the livelihoods of several Ferryland fishing crews that operate out of the Pool.

For this reason, the Small Craft Harbour Branch of the Department of Fisheries and Oceans hired Browne's Transport of Argentia to stabilize the beach on the north side of the Ferryland Pool. The project entailed placement of armour stone (massive stones in excess of 1 sq. m.) and riprap (smaller angular stones) along the beach in a way that would protect it from storm damage. Excavations were necessary to determine the condition of the current wooden retaining wall; provide a level surface for the placement of riprap and armour stone; and to investigate the subsurface condition of the beach.

As archaeological investigations at the site of the nearby Colony of Avalon have uncovered significant finds adjacent to the project area, the Provincial Archaeology Office contracted Aardvark Archaeology Ltd. to monitor excavations on the beach. Monitoring was carried out between February 6th and 7th, 2006 under Archaeological Investigation Permit number 06.01.

The Findings

Two excavations were monitored and a third hole was recorded after it was dug. The first trench (Hole #1), was 35m long by 2-3m wide, and 2m deep was dug along the western end of the beach, beginning at the eastern end of the existing wooden wharf (Figure 1). It was dug to determine the depth of the wooden posts that made up the retaining wall along the western edge of the beach. The posts that supported the wall were buried approximately 1m to 1.5 m below the current surface and were held together and in line with ribbands: wooden members nailed horizontally near the bottom exterior side of the posts (Figure 2). A cribwork filled with rocks on the interior side supported the wall. No artifacts were recorded in this trench.

A second trench (Hole # 2) was dug some 30m east of the first trench, where the beach reaches furthest to the north. It was filled in with armour stone. No cultural material was present in this excavation.

The third excavation (Hole # 3, approximately 2m square) was dug at the water line a few metres west of the boardwalk on the north side of the Colony of Avalon archaeological site (Figure 3). The hole was placed at the water's edge to determine whether bedrock was present in the area. At a depth of approximately 1m to 1.5m below the surface, the excavator dug through strata containing organic matter, branches and cultural material. The excavation was halted and a small collection of artifacts was gathered from the backdirt.



Figure 1 Hole #1 being excavated at the west end of the beach. (Mills)



Figure 2 Hole # 1 looking east. Note the cribwork at right. (Mills)

The cultural material consisted mainly of branches, bark and pieces of cut wood, all remarkably well preserved. Several cut food bones were recovered along with brickbats, potsherds and tobacco pipe stems. The matrix surrounding these artifacts was a combination of black organic muck and grey sand. As it was excavated with a 1.5m bucket, determining precise stratigraphic control was impossible; however, it did appear that the organic material originated from a compressed deposit more than 1m below the surface. It was not possible to determine how thick this deposit had been as the hole would immediately fill with water as soon as it was excavated. In total, twenty artifacts were collected (Figure 4).

The artifacts from Hole # 3 can be loosely dated to the late-seventeenth century or early- eighteenth century by the ceramics: English West country tall pot and storage jar fragments; and the clay tobacco pipe stems with bore sizes ranging from 5 to 6/64^{ths} of an inch. The assemblage is typical of what you might expect to find on a beach: worn out boots, pieces of leather clothing, broken bricks and pottery fragments, tobacco pipe stems, fish and cow bones together with barrel parts, wood chips and branches from the fishing related structures.



Figure 3: Location of Hole # 3 (arrow). (Mills)



Figure 4: The artifact assemblage from Hole # 3: top, brick and ceramics, leather, bones and wood; bottom, barrel stave and wood plank. (Mills)

Discussion and conclusions

Although it is difficult to be definitive on what the findings in Hole # 3 mean exactly, it does offer suggestions that the late seventeenth century or eighteenth-century beach in this part of the Pool was considerably different than what it is in modern times. The water in this area is shallow and the beach is poorly protected from the north and easterly winds (Figure 5). Apparently, for these reasons, fishermen have traditionally used the better-protected area inside of the Pool as an operational base to process their catches. An interview with long-time Ferryland resident Mr. Al Harvey, (age 65) indicated that he could not recall any fishing stages along this particular part of the beach. However, he did state that his mother had mentioned that houses once stood near this stretch of beach, presumably in the early twentieth century.

Historic maps of the Pool from the seventeenth and nineteenth centuries corroborate Mr. Harvey's information as they indicate that this area has been shallow and rocky for centuries. Such conditions made this part of the beach less than ideal for bringing in fishing boats. On the other hand, perhaps the shallow water made it a perfect place for debris to collect. Waterlogged branches, bark and other wood debris, together with refuse from those living in the area, likely gathered along the landwash before sinking to the bottom. At some point in time, possibly a couple of centuries ago, a "great big sea" pushed a massive amount

of cobbles over the shallow areas of the landwash, burying the debris and changing the landscape significantly. Whereas today there is a cobble beach several metres in height, in the past this beach was likely much lower and wider.

Another possibility is that this part of the beach was associated with the seventeenth-century defensive ditch that protected the east side of the Colony of Avalon. This ditch was excavated several years ago and one theory is that it was open to the ocean on its north side (Dr. James Tuck pers. com.). A stratum of beach cobbles and pebbles, excavated along the east and south sides of the Colony, is thought to represent a sea surge by hurricane-force seas around the year 1700 (Dr. Barry Gaulton pers. com.). This distinctive deposit appears to have been channelled onto the site via the defensive ditch, which was probably still open to the sea at that time.

The point of this discussion is to suggest that the beach area to the north of the Pool was, at one time, quite a bit different than it is today. One might counter that this is an obvious conclusion, given that coastal landscapes change over time, however, now we have the archaeological proof of these changes.



Figure 5: Aerial photograph of the Ferryland Pool showing the shallow water on the north side (top of photo) of the beach surrounding the Pool. The arrow marks the location of hole # 3. Photograph courtesy of Dr. Barry Gaulton. (Mills)

References

Mr. Al Harvey is a resident of Ferryland and Dr. James Tuck and Dr. Barry Gaulton of Memorial University are co-directors of the Colony of Avalon Archaeological Project.

Archaeological Assessment of the Mockbeggar Plantation Provincial Historic Site, Bonavista.

At the request of the Historic Sites Branch, Department of Tourism, Culture and Recreation, an archaeological assessment was carried out in the fall of 2006 at Bonavista, Newfoundland, at the Mockbeggar Plantation Provincial Historic Site (Figure 1). This project was followed by a brief salvage dig in late November. The site celebrates F. Gordon Bradley's role in the struggle for confederation during the latter half of the 1940s. On the former Bradley property, donated by the family to the Province of Newfoundland in 1980, is a large three-story wood structure that was a part of a fishing room first mentioned by the name "Mockbeggar Premises" in the year 1806 (Figure 2). The history of the structure itself, known as the "Big Store", is vague, however, and there is a belief that it may have been built early in the eighteenth century prior to its first appearance in the documentary evidence.

The objectives of the assessment were to attempt to provide archaeological evidence for the age of the Big Store and to determine what other structures, if any, might have existed on the Mockbeggar property and to

determine the functions of any structures that were discovered. The archaeological investigation was carried out under Archaeological Permit number 06.50.

The Mockbeggar Plantation is situated in Mockbeggar Cove along the west side of the community, a short distance north of the inner harbour. For most people, Bonavista is perhaps best known as the landfall of John Cabot in 1497; however, the town also played a role in the English cod fishery since the seventeenth century, as it was at the northern reaches for their Newfoundland fishery. By the late 1600s there were hundreds of English migratory fishermen in the harbour and a small number of families who stayed there year round. In the eighteenth century the town grew along with the increase in the English fishery in the both Bonavista and Trinity Bays (Figure 3). By the end of the 1780s, Bonavista had a permanent resident population of about 450.

Early owners of the Mockbeggar property between the late 1700s and early 1800s are believed to be Joseph White of Poole, England; his nephew Samuel White; his nephew Samuel Rolles and Benjamin Lester and Company. The property first appears in the historical record by the Mockbeggar name in the 1805-1806 Register of Fishing Rooms in Bonavista Bay. At that time the property is described as "...three stages, extending along the landwash North and South two hundred and twenty yards, bounded on the North by the sea and on the South by a void space where a ship's room formerly stood. The stores and other erections stand between parallel lines running East from the extremes of the landwash line." This vague allusion to the "stores and other erections" is the only reference to the buildings on the property at that time.

George Garland bought the lease for the property in 1808 and added the Mockbeggar property to his holdings in the town. He also owned the Ryder, Middle and Wiltshire fishing rooms and held the lease on the Bottom Room. Garland was Benjamin Lester's son-in-law and after Lester's death in 1802, he took over the Newfoundland businesses.



Figure 1: The Mockbeggar property is in the center of the image, bounded by the white fence. (Mills)



Figure 2: The Big Store at the Mockbeggar premises. The Bradley house is in the background. (Mills)

excess of 70cm deep, attempts to photograph the profiles proved futile. Profiles were drawn for several test pits and the stratigraphies were recorded in the others. Where cultural layers were noted, the artifacts from each layer were bagged separately. Much of the Mockbeggar property is a peat bog and the archaeological testing discovered that, in many places, this peat lies just beneath a thick and tenacious sod. With few exceptions, the test pits were dug down to sterile peat.

From the archaeological assessment it is clear that there are three periods of occupation or use of the Mockbeggar property. The first is confined to a narrow strip of more or less stable land immediately adjacent to the present beach, which has undoubtedly encroached on the property toward the east since the time it was first utilized by Europeans. The evidence for this occupation consists of tobacco pipe fragments, ceramics and a gunflint that can confidently be dated to the last quarter of the seventeenth century and/or the early years of the eighteenth century (Figure 4) and sherds from at least two coarse stoneware vessels from Normandy in France (Figure 5). One of these Normandy vessels was double stamped with marks identifying it as an export vessel such as the ones used to export honey and butter.

No evidence of buildings, other than twigs, branches and wood chips and small upright posts that may well be from the construction of flakes, was discovered. A peat deposit containing virtually solid wood chips, planks and stave pieces (Figure 6) was discovered in several of the test pits along the west side of the site and beneath the Big Store. All of the earliest artifacts, including several butchered seal bones, were found in these wood chip deposits. If there was any habitation or other activity along the east margin of the beach it has either been destroyed by the encroaching barrier beach or was of such low visibility that it could not be detected by archaeological testing. In all likelihood the utilization of the area was seasonal and limited to the making of fish, and structures there consisted only of more or less temporary flakes. Despite the proximity of these deposits to the Big Store, the evidence of utilization of the area is too old to bear any relation to the construction of the Big Store itself.



Figure 4: Two of the late-17th century tobacco pipe bowls from the Mockbeggar site. (Mills)



Figure 5: Normandy coarse stoneware sherds from beneath the Big Store (top). Detail of the stamps at right (bottom). (Mills)



Figure 6: Preserved wood fragments from the peat deposits beneath and around the Big Store. (Mills)

The second period of occupation began some time late in the eighteenth century or early in the following century. It saw the construction of a dwelling on a small knoll about 50 meters from the beach, the site of the present Bradley house. Evidence for the date of occupation is scarce, but two of the most common eighteenth-century ceramic types are entirely absent from deposits believed to pertain to the first house. Neither Westerwald tankards nor English white salt-glazed stoneware, which was made in a variety of forms, was recovered from these deposits. The earliest ceramic ware found near the house is creamware, introduced by Josiah Wedgwood about 1765 and manufactured until well into the nineteenth century. Pearlware and other refined white earthenwares from the nineteenth century indicate a continuous occupation throughout that century until

the structure was demolished in the early 1870s. Although the area sampled was not extensive, and more productive deposits might exist nearby, the lack of refuse suggests that the occupation of the first house was clearly not as intensive as that at many nineteenth-century structures excavated elsewhere in Newfoundland and Labrador.

A similar assemblage from test pits around the Big Store – small amounts of creamware and pearlware, other nineteenth-century ceramics and the absence of English white salt-glazed and Westerwald ceramics – suggest that after a hiatus that encompassed most of the eighteenth century, the area where the Big Store is located began to be utilized once again about the same time that first house was constructed, i.e. late-eighteenth century or early-nineteenth century.

The best-represented occupation at the Mockbeggar premises is that which began when the Saint family razed the first house and constructed what was to become the Bradley house. The number of artifacts from both the Big Store, where the Saints lived during the construction of their dwelling and from around the dwelling itself, far outnumber objects from the two earlier occupations. A sizable collection of mid to late-nineteenth century and early-twentieth-century refined earthenwares was recovered outside the Big Store and near the Bradley house (Figure 7). While this may be partly a factor of preservation and the availability of ceramics during the late nineteenth and early twentieth centuries, it is hard to escape the conclusion that the occupation of the place following about 1870 was far more intensive than ever before.



Figure 7: Collection of nineteenth-century refined ceramics found near the Big Store. (Mills)

In conclusion we might present what, from an archaeological perspective, seems a likely scenario for the history of the Mockbeggar Plantation over the last 300 or so years. Beginning in the late seventeenth century the

area along the beach was used for drying – and perhaps, processing – fish. The archaeological record suggests no permanent settlement at that time. During much, if not all, of the eighteenth century there seems to have been a

hiatus in the utilization of the area. Although it seems to have been owned by several individuals, there is presently no evidence that anyone attempted to settle there. Indeed, even the evidence of the processing of fish is almost entirely absent.

Sometime late in the eighteenth century or early in the following century the Mockbeggar premises finally became the scene of more or less permanent settlement. The first house was built on a small dry knoll about 50 meters from the beach and at least a seasonal residence was established there. From the correspondences between the artifact assemblages at the first house and the Big Store, it seems that the latter structure was built at about the same time as the house. It is undoubtedly stretching the evidence, but the most significant event to take place during this period seems to have been the purchase of the lease to the place by the Trinity merchant George Garland. It is not inconceivable that Garland, now that he was actually in possession of the premises, developed it by building a house for his overseer and, at the same time, a large store from which to conduct his fishing and other enterprises. The purchase of the lease took place in 1806.

With regards to evidence of other buildings on the property, the archaeological survey did not find any building foundations, however, anecdotal data from Bonavista resident, Mr. Gordon Bradley indicates that there was an outhouse, carriage house, ice house, coal shed and children's play house (the Lodge) on the property. Mr. Bradley, son of Senator and Mrs. F. Gordon Bradley, is the most knowledgeable informant on the Mockbeggar property and is also well versed in Bonavista history. A thorough search for site photographs throughout Bonavista should produce evidence of the other buildings known to be located on the property.

The archaeological testing of the site did not reveal any evidence of human burials on the property, however, it should be realized that in order to find graves in what is essentially a peat bog, an intensive program of trenching or other form of sub-surface probing would be required. However, it would be worthwhile to know the actual origin and ethnicity of any human burials in this part of the town.

Finally, it might be appropriate to comment on the name "Mockbeggar" and its relation to the premises. No one knows when the name was first applied to the place. It first appears in the early-nineteenth century. It is the name of a village in Hampshire from where some of the original settlers of Bonavista came. It is, however, a somewhat unfortunate name for, among other definitions it is a word "applied esp. to a house

presenting the appearance of wealth, but vacant or inhabited by poor or miserly persons" (*Webster's New International Dictionary of the English Language* G. and A. Merriam Company. Springfield. 1937). It is possible that the Mockbeggar premises fits this uncomplimentary definition better than we would like to think. On a map it appears to be ideally suited as a place from which to prosecute the Bonavista fishery. It is, for instance, one of the small coves closest to the fishing grounds. From the sea or from nearby hills it appears likewise. The beach is relatively flat and lacks the steep cliffs that characterize much of the coastline to the north. From the same perspective the land appears flat and lush, suitable for building, grazing and horticulture. Only when prospective settlers stepped ashore, especially if it were during a not uncommon rainy period, would they have discovered that the promising looking cove was, in fact, a bog into which they sunk up to their ankles and almost completely unsuitable for construction or agriculture. Was the name applied as a seventeenth-century joke? 🐾

ARCHAEOLOGY IN PLACENTIA

Steve Mills

Archaeological investigations resumed in Placentia in 2006 after a one year hiatus. Support for the 2006 program came from the Town of Placentia and Services Canada. The primary focus of the 15-week archaeology program was the site of Fort Louis and the New Fort (CjAl-9) although limited testing was also carried out at two other sites: O'Reilly House (CjAl-5) and the Old Hospital site (CjAl-13).

Fort Louis was the second fort, and the first of any substance, built by the French in Placentia (Figures 1 & 2). Construction began in 1691 on the low-lying beach at Jersey side, along the east side of the Gut, the narrow entrance to Placentia Harbour. Placentia was attacked the following year by an English squadron of five ships under the command of Commodore Williams. Williams' ships fired some 2000 rounds into the town and Fort Louis. The fort was rebuilt and at its peak, in the early eighteenth century, boasted 39 pieces of artillery, mainly 18pdrs and 24pdrs, pointing across the Gut and out the bay. Once the fort was fully armed, such a formidable array of fire deterred the British from mounting another attack on Placentia. Fort Louis and the entire town of Placentia were turned over to the British in 1714, in accordance with the Treaty of Utrecht that ended the War of the Spanish Succession (Queen Ann's War) between Britain and her allies and France and her allies.

After the English takeover of the town, Fort Louis was occupied for several years before being

abandoned in the early 1720s when Fort Frederick was completed on the west side of the Gut. In the 1740s, British engineers once again returned to the site of Fort Louis and built another fort upon its ruins (Figure 3). The New Fort, as it was unceremoniously named, featured at least six buildings (powder magazine, storehouse, barracks and residences for the governor, officers, gunners and store keeper) inside a re-configured fortification. Apparently, the two primary French ramparts were rebuilt for the British guns and underground rooms (casemates) were placed into the western rampart. The New Fort lasted for several decades before it too fell into ruin, probably in the 1770s.

The site of Fort Louis/New Fort had never really been forgotten by the people of Placentia, and as it remained in public hands, it was spared from major housing developments. However, the site saw considerable impact through the construction of several houses and sheds on its southern flank and a water line on its eastern flank. Perhaps worse of all was the construction of a softball field in the early 1960s that caused the bulldozing of the upper cultural layers inside the fort onto the low-lying areas to the north and east. Figure 4 shows the site early in the 20th century when the outline of the New Fort was still visible.

The site was tested by archaeologists in 1972 (O'Shea 1972), 1997 (Gaulton and Carter 1997) and in recent years by Crompton and Temple (Crompton 2002, Crompton and Temple 2004, 2005). Structural evidence of at least three buildings, one of the ramparts and a human interment were discovered during those earlier investigations. Crompton's and Temple's investigations revealed that the British built their storehouse and powder magazine directly upon the footings of the French soldiers' barracks.

The 2006 program primarily focussed upon the building foundations uncovered by Crompton, Temple and their crews. The project began with the development of an interpretation program in the winter that recommended further investigation of Fort Louis and New Fort (Mills 2006). The Town of Placentia acted upon that recommendation and preliminary testing began in early June with the uncovering of the east side of the British storehouse foundation. This section had originally been exposed by Temple's crews in 2002 and 2003. Using the eighteenth-century plans of the New Fort, test pits were then used to identify the western corners of the storehouse, the eastern corners of the storekeeper's house and the northwest corner of the British powder magazine. By the second week of July a crew of 12 was working on the site.

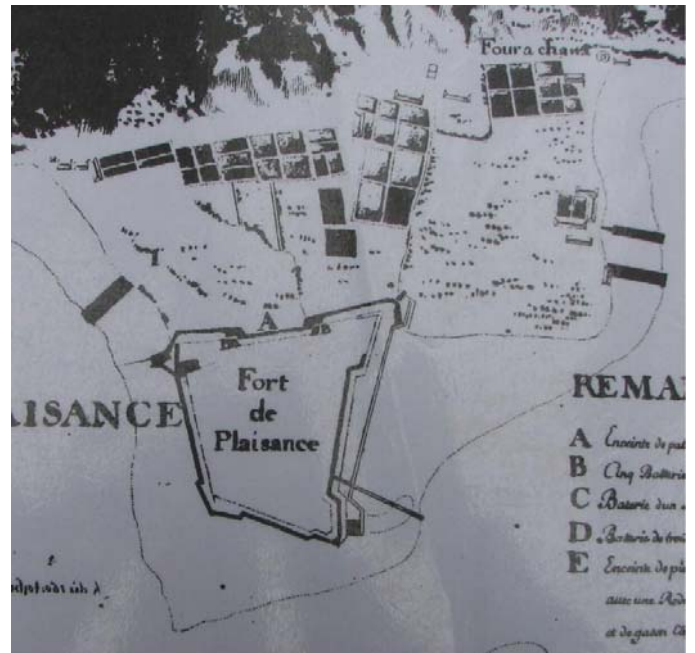


Figure 1: Detail of a 1699 French map of Placentia showing Fort Louis (Fort de Placentia). (Mills)

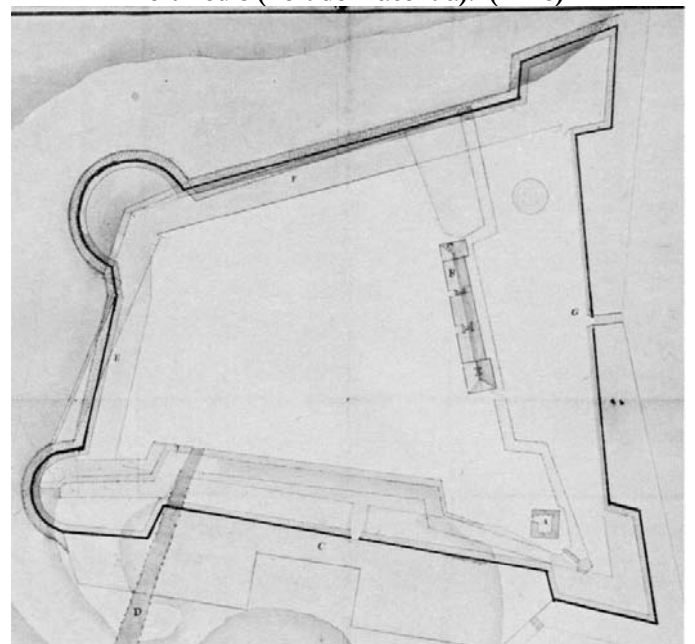


Figure 2: Detail of a 1706 plan showing the planned extension of Fort Louis (in dark lines) and the range of barracks inside of the fort. (Mills)

By the end of the 2006 investigation the upper courses of the storehouse and storekeeper's house were fully exposed and mapped (Figures 5 & 6). The investigation revealed that the entire area around the buildings, and elsewhere inside the fort, had been raised nearly one metre above the beach through the addition of rubble fill (Figure 7). This fill had been blasted from a quarry situated at the base of the nearby mountain. Careful scrutiny of a 1740s plan of the area revealed the location of this quarry and two more besides that were used for "digging earth for the ramparts" inside the fort. Covering these rubble deposits were several layers of

beach cobbles and re-deposited organic soil containing artifacts dating to circa 1900. Artifacts from within the rubble dated to a similar time. It is believed that the organic fill originated from elsewhere in the Placentia area. A few sherds of nineteenth-century refined earthenware were also recovered from the rubble.

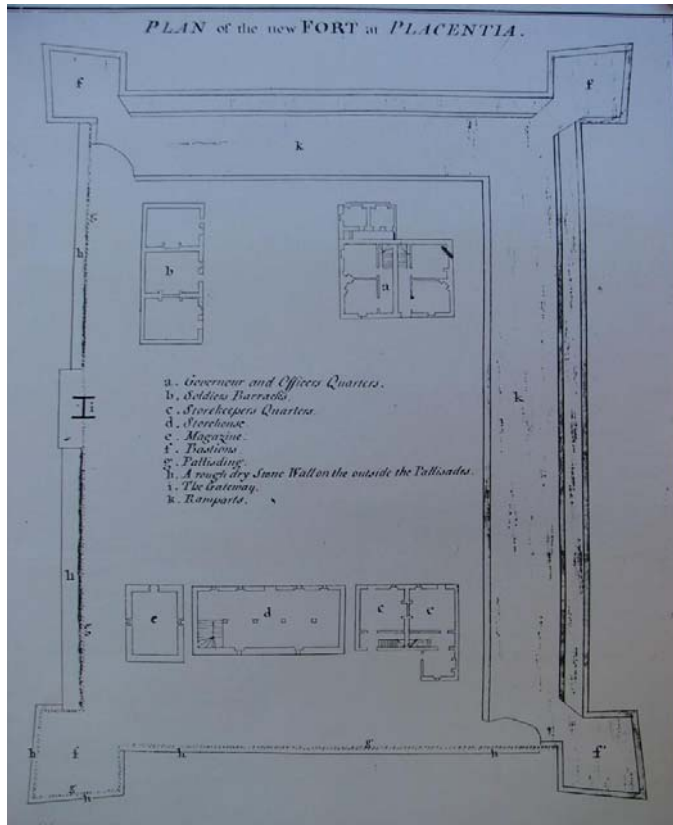


Figure 3: Plan of the British New Fort from the mid-eighteenth century. The buildings at the bottom of the plan are (l-r) the powder magazine, storehouse and storekeepers/gunners residences. (Mills)



Figure 4: View of Jerseyside from Castle Hill, circa 1900, showing the rectangular outline of the New Fort (star). (Mills)

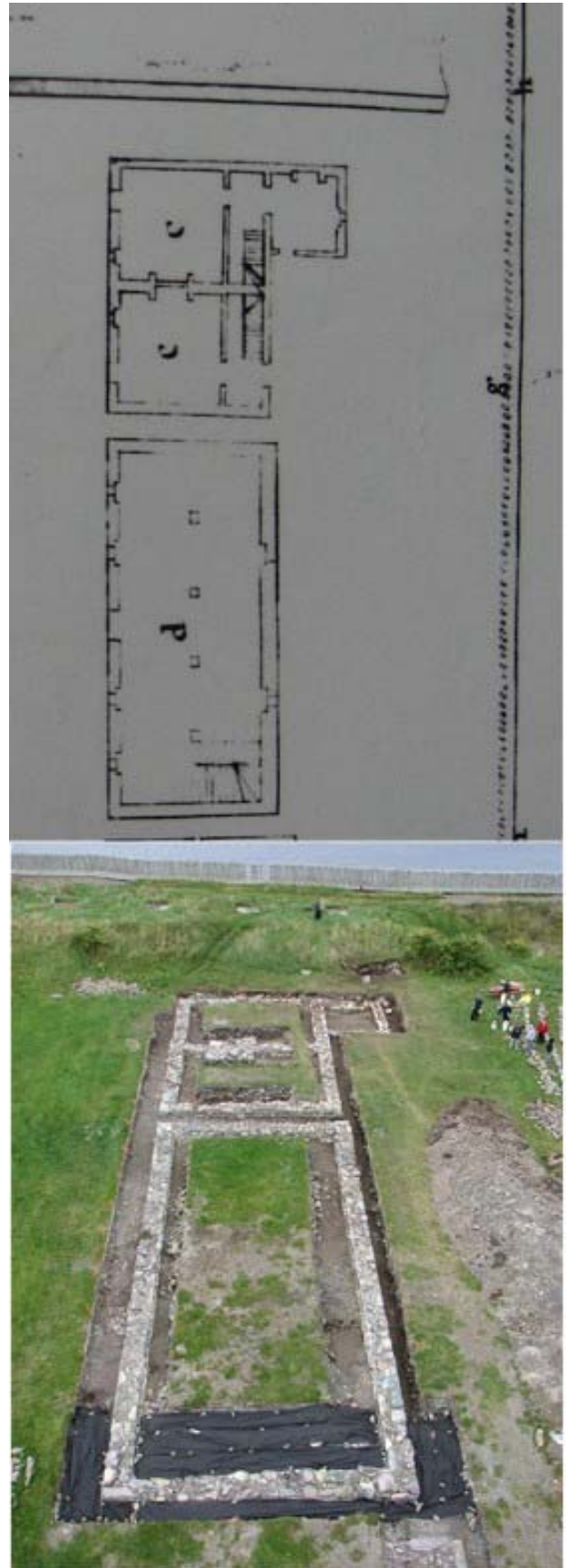


Figure 5: (top) Detail of a mid-18th-century map of the New Fort showing the storehouse and storekeepers/gunner's residences; (bottom) aerial view of the excavated foundations for the storehouse (bottom) and storekeeper's/gunners residences (top). (Mills)



Figure 6 Aerial view of the foundations for the storehouse (right) and the residences for the store keeper and the gunners (left); looking north. (Mills)

The absence of strata containing any sign of occupation from the British and French periods can be explained by informants' reports stating that the site was mechanically levelled for the softball field. One informant, who lived his whole life adjacent to the site, recalled that the soils from inside the fort were used to raise the low-lying wet land surrounding the fort. As the tops of the foundations were discovered very close to the surface (Figure 8), it is presumed that the bulldozers literally "levelled the playing field" by removing the humps in the ground, humps that were probably the upper courses of the foundations! The only artifacts recovered from the excavations in and around the storehouse and store keeper/gunners' residences that represent the historic occupations of the fort were a broken key and a piece of exploded shot, a partial tobacco pipe and a decorated pewter buckle (Figure 9). All of these artifacts were recovered from disturbed deposits.



Figure 7: Rubble deposits overlying the original sandy beach inside the storekeeper's residence. (Mills)



Figure 8: Gerald Careen exposing the top of the store keeper's residence foundation. Note how little overburden covers the foundation. (Mills)



Figure 9: An 18th-century pewter buckle from Fort Louis/New Fort. (Mills)

In addition to uncovering the structural remains of the buildings, a section of the New Fort ramparts was also investigated. These massive defensive earthworks originally stood 11 feet high and were 45 feet wide. A single test trench on the interior of the western rampart revealed that some of the masonry façade is still intact and continues to hold back the mortared masonry fill (Figure 10). The trench also revealed that the ramparts were built upon unconsolidated rubble, similar to that used to raise the interior of the fort.



Figure 10: Section of the masonry on the interior of the west rampart inside the New Fort. (Mills)

The site of the Governor's and Officers' residence in the New Fort was also tested with very positive results. This duplex building is located on private land bordering the south end of the Town property in what was the southern section of the fort. This area was not impacted during the softball field construction and the archaeological testing revealed that intact cultural deposits dating back to the seventeenth century are preserved there.

Testing near the sites of the seventeenth-century French convent (near O'Reilly House) and the 1720s English Governor Samuel Gledhill's mansion (the Old Hospital site) uncovered tantalizing evidence of seventeenth- and eighteenth-century structures. At both sites window glass and wrought nails were found in deposits along with French coarse earthenwares and English white salt-glazed stone wares. A particularly exciting find, near the location of the former convent, is a tiny pewter statuette of a figure believed to be St. Francis of Assisi (Figure 11). The French Recollect priests who occupied the convent in Placentia were a part of the Order of Franciscans, followers of St. Francis of Assisi. St. Francis of Assisi is often depicted with a lamb or wolf at his feet.



Figure 11: Pewter statuette of a cloaked figure, possibly St. Francis of Assisi, holding a cross with an animal at its feet. The figure is 1.75cm high. (Mills)

In conclusion, the 2006 archaeology program was an enormous success in that two large building foundations and part of the rampart stoneworks were uncovered at Fort Louis/New Fort. The foundations were covered with geotextile filter cloth and stabilized by the addition of one to three courses of stone before the entire site was backfilled. This form of stabilization was chosen so that the site can be interpreted to the public in future years. Plans are underway for the 2007 season which will see further testing at the fort site to locate additional buildings and defensive features. Other sites in the town, in particular those tested in 2006, will also be investigated again as time permits.

A field course in archaeology is currently being developed for the Placentia campus of the College of the North Atlantic. It is planned that participants in the course will become the field crew for the 2007 season. Enhanced interpretation for the site of Fort Louis/New Fort is also in the works. Anyone seeking further information on the Placentia archaeology program should contact Steve Mills at sfmills2005@aol.com.

References

Crompton, Amanda

2002 The Placentia Archaeology Project, 2001: Interim Report. Manuscript report on file at the Provincial Archaeology Office, Department of Tourism, Culture and Recreation, St. John's.

Crompton, Amanda and Blair Temple

2004 The Placentia Archaeology Project, 2002: Interim Report. Manuscript report on file at the Provincial Archaeology Office, Department of Tourism, Culture and Recreation, St. John's.

Crompton, Amanda and Blair Temple

2005 The Placentia Archaeology Project, 2003: Interim Report. Manuscript report on file at the Provincial Archaeology Office, Department of Tourism, Culture and Recreation, St. John's.


Gaulton, Barry and M. Carter

1997a Placentia Archaeology Survey—1996. Manuscript report on file at the Provincial Archaeology Office, Department of Tourism, Culture and Recreation, St. John's.

Mills, Stephen

2006 Placentia Uncovered Archaeological Interpretation Program. Report on file at the Town of Placentia municipal office.

O'Shea, William

1972 Synopsis of the Jerseyside-Placentia Archaeological Project Activities Throughout the Summer of 1972. Manuscript report on file at the Provincial Archaeology Office, Department of Tourism, Culture and Recreation, St. John's. 

PUBLICATIONS FOR 2006

Bell, T., O' Sullivan, A. and Quinn, R.,

2006 Discovering ancient landscapes under the sea. *Archaeology Ireland*, 20 (2): 12-17

Deal, Michael

2006 Aviation Archaeology of Pre-Confederation Newfoundland. In *From the Arctic to Avalon: Papers in Honour of Jim Tuck*. Lisa Rankin & Peter Ramsden, Eds. Proceedings of the Conference: *From the Arctic to Avalon: Transforming the History of North Eastern North America*, St. John's Newfoundland, October 14-16, 2004. BAR International Series 1507. Pp. 139-156.

Fitzhugh, William

2006 Border, Bifaces and Basques: Archaeological Surveys on Quebec's Lower North Shore. In *From the Arctic to Avalon: Papers in Honour of Jim Tuck*. Lisa Rankin & Peter Ramsden, Eds. Proceedings of the Conference: *From the Arctic to Avalon: Transforming the History of North Eastern North America*, St. John's Newfoundland, October 14-16, 2004. BAR International Series 1507. Pp. 53-70.

Gaulton, Barry

2006 The Kirke House at Ferryland: Gentry Life in Seventeenth-Century Newfoundland. In *From the Arctic to Avalon: Papers in Honour of Jim Tuck*. Lisa Rankin & Peter Ramsden, Eds. Proceedings of the Conference: *From the Arctic to Avalon: Transforming the History of North Eastern North America*, St. John's Newfoundland, October 14-16, 2004. BAR International Series 1507. Pp. 165-174.

Hartery, Latonia

2006 A Microscopic Approach to Palaeoeskimo Plant Use. In *From the Arctic to Avalon: Papers in Honour of Jim Tuck*. Lisa Rankin & Peter Ramsden, Eds. Proceedings of the Conference: *From the Arctic to Avalon: Transforming the History of North Eastern North America*, St. John's Newfoundland, October 14-16, 2004. BAR International Series 1507. Pp. 71-78.

Mills, Stephen

2006 Archaeological Investigations in Renew's, Newfoundland and Labrador. In *From the Arctic to Avalon: Papers in Honour of Jim Tuck*. Lisa Rankin & Peter Ramsden, Eds. Proceedings of the Conference: *From the Arctic to Avalon: Transforming the History of North Eastern North America*, St. John's Newfoundland, October 14-16, 2004. BAR International Series 1507. Pp. 157-164.

Ramsden, Peter

2006 But Once the Twain Did Meet: A Speculation about Iroquois Origins. In *From the Arctic to Avalon: Papers in Honour of Jim Tuck*. Lisa Rankin & Peter Ramsden, Eds. Proceedings of the Conference: *From the Arctic to Avalon: Transforming the History of North Eastern North America*, St. John's Newfoundland, October 14-16, 2004. BAR International Series 1507. Pp. 27-32.

Renouf, M.A.P.

2006 Re-investigating a Middle Phase Dorset Dwelling at Phillip's Garden, Port au Choix, Newfoundland. *Dynamics of Northern Societies: Proceedings of the SILA/NABO Conference on Arctic and North Atlantic Archaeology, Copenhagen, May 10th-14th, 2004*, eds J. Arneborg and B.Grønnow, 119-128. Publications from the National Museum, Studies in Archaeology and History, 10. Copenhagen.

Rankin, Lisa

2006 A Labrador Archaic longhouse site at Sandy Cove, Labrador: Life on the south side of Groswater Bay. In *From the Arctic to Avalon: Papers in Honour of Jim Tuck*. Edited by Lisa Rankin and Peter Ramsden. Pp. 33-41. BAR International Series #1507. Oxford.

Rankin, Lisa and Peter Ramsden, editors.

2006 *From the Arctic to Avalon: Papers in Honour of Jim Tuck*. Edited by Lisa Rankin and Peter Ramsden. BAR International Series #1507. Oxford.

Rankin, Lisa and Lori Squires

2005 Colonizing Labrador: The Actions and Reactions of the Paleo-eskimo. In *Dynamic of Northern Societies: Proceedings from the SILA/NABO Conference on Arctic and North Atlantic Archaeology*. Edited by Jette Arneborg and Bjarne Gronnow. pp. 87-94. National Museum of Denmark, Copenhagen.

Renouf, M.A.P. and T. Bell.

2006 Maritime Archaic Site Location Patterns on the Island of Newfoundland. In *The Archaic of the Far Northeast*, edited by D. Sanger and M.A.P. Renouf, 1-46 Orono, Maine: Maine University Press.

Sanger, David and M.A.P. Renouf, editors.

2006 *The Archaic of the Far Northeast*. Orono, Maine: Maine University Press.

Schwarz, Fred

2006 Pre-contact Archaeology in the Interior of the Proposed Akamiupishku National Park. *Them Days*, 30 (2): 17-20.

Temple, Blair

2006 "Their House is the Best I Have Seen on the Labrador": A Nineteenth-Century Jersey Dwelling at L'Anse Au Cotard. In *From the Arctic to Avalon: Papers in Honour of Jim Tuck*. Lisa Rankin & Peter Ramsden, Eds. Proceedings of the Conference: *From the Arctic to Avalon: Transforming the History of North Eastern North America*, St. John's Newfoundland, October 14-16, 2004. BAR International Series 1507. Pp. 43-52.

Wallace, Birgitta

2006 *Westward Vikings: The Saga of L'Anse Aux Meadows*. Parks Canada and Historic Sites Association of Newfoundland and Labrador.

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