FACSIMILE

nalcor energy
LOWER CHURCHILL PROJECT

TO:	FROM:
Mr. David Schulze	Gilbert Bennett
COMPANY: Dionne Schulze Attorneys	DATE: 12/13/2012
FAX NUMBER: 514-842-9983	PAGES INCLUDING COVER: 20
PHONE NUMBER: 514-842-0748	SENDER'S REFERENCE NUMBER: L010-D021-200-150148-00003
RE: Response to your letter of December 7, 2012	YOUR REFERENCE NUMBER:

☐ URGENT ☐ FOR REVIEW ☐ PLEASE COMMENT ☐ PLEASE REPLY ☐ PLEASE RECYCLE

NOTES/COMMENTS:

cc Chief Jean-Charles Pietacho
Fax: 418-949-2085

Mr. Aubrey Gover
Fax: 709-729-4900

The original letter will follow by mail.

Kathy Winsor
Executive Assistant, Nalcor Energy
Phone: 709-737-1805 / Fax: 709-737-1952

Hydro Place. 500 Columbus Drive.
P.O. Box 12800. St. John's. NL
Canada A1B 0C9
t. 709.737.1833 or 1.888.576.5454
f. 709.737.1985

LCP Rec. No. L010-D021-200-150148-00003

December 11, 2012

Mr. David Schulze
Dionne Schulze Attorneys
507 Place d'Armes #1100
Montréal, PQ
H2Y 2W8

Dear Mr. Schulze:

This letter is in response to your letter dated December 7, 2012 regarding the archaeological investigations at the Muskrat Falls site.

My understanding is that information regarding this planned activity was communicated to Chief Piétacho via email on June 20, 2012. I have enclosed a copy of the permit application as an attachment to this letter.

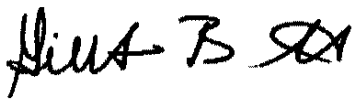
In respect to your comment regarding the quantity of permit-related emails and applications received by Ekuanitshit, we have been forwarding all permit applications consistent with the process established by the Government of Newfoundland and Labrador in consultation with aboriginal groups. If Ekuanitshit would prefer to limit its review to certain types of permits or for certain areas, then we would be pleased to limit the number of permits forwarded for consideration based on this direction. Absent any such direction, we have ensured that all groups receive all applicable permit applications consistent with the consultation guidelines.

With regard to the Joint Review Panel recommendation 11.1, the Government of Newfoundland and Labrador offered the following statement in response to the panel's recommendation:

"The Government of Newfoundland and Labrador accepts the intent of this recommendation, that aboriginal groups be involved in the management and protection of historic and archaeological resources."

The protection and preservation of historic resources falls within the jurisdiction of the Department of Tourism, Culture, and Recreation, Government of Newfoundland and Labrador, pursuant to the Historic Resources Act. For its part, Nalcor will comply with the requirements of the Act, associated regulations, and the conditions of permits issued to it. As indicated, consultation regarding the subject permit has taken place, and you may wish to discuss this matter further with the Province.

Sincerely,



Gilbert J. Bennett, P. Eng.
Vice President, Lower Churchill Project

Enclosure

cc. Chef Jean-Charles Piétacho
Conseil des Innus de Ekuanitshit

Mr. Aubrey Gover
Assistant Deputy Minister, Aboriginal Affairs

Thread - Reference No: NE-LCP-MEMO-000050

LCP Permits
Nalcor Energy
Suite 2, 350 Torbay Road
St. John's, NL A1A 4E1
Canada

Memorandum **NE-LCP-MEMO-000050**

⊟ To (14)	Jean-Charles Piétacho - Council of the Innu of Ekuanitshit (jpetahu@ekuanitshit.gc.ca)
	Rachelle Malec - Council of the Innu of Pakua Shipu (reception@pakuashipu.net)
	Georges Bacon - Council of the Innu of Unamen Shipu (unamen@globetrotter.gc.ca)
	Larry Innes - Innu Nation (linnes@oktlaw.com)
	Francois Bellefleur - Innu of Nutashkuan (conseil.de.bande@globetrotter.net)
	Nadir Andre - Innu Nation of Matimekush-Lac John (nadir.andre@bcf.ca)
	Marie-Christine Gagnon - Innu Nation of Matimekush-Lac John (mariechristine.gagnon@bcf.ca)
	Real McKenzie - Innu Nation of Matimekush-Lac John (realmck@hotmail.com)
	Steve Pellerin - Nalcor Energy
	Ms Paula Reid - Nalcor-Innu Nation EMC
	Louis Einish - Naskapi Nation of Kawachikamach (kawawa@naskapi.ca)
	Mr Tom Sheldon - Nunatsiavut Government (tom_sheldon@nunatsiavut.com)
	George Russell - NunatuKavut Community Council (grussell@nunatukavut.ca)
	Ken Rock - Uashat mak Mani-Utenam First Nation (ken.rock@globetrotter.net)
⊞ Cc (3)	Brian Harvey - Department of Intergovernmental and Aboriginal Affairs (brianharvey@gov.nl.ca) *(2 more...)*
From	Peter Madden - Nalcor Energy
Sent	Wednesday, 20 June 2012 3:47:01 PM NDT (GMT -02:30)
Status	N/A
Subject	LCP Permit Application: Application for a Stage 2 Historic Resources Impact Assessment

File Attachments (1)

Zip Download

Muskrat Falls Stage 3 2012 Permit Application.pdf

I am writing on behalf of Nalcor Energy, the proponent of the Lower Churchill Hydroelectric Generation Project ("Project"), to provide you with the enclosed applications for approval under the *Historic Resources Act*.

The Government of Newfoundland and Labrador's Provincial Archaeology Office, Department of Tourism, Culture and Recreation, is responsible for the above-noted regulatory approval (attached), which Nalcor Energy requires for the Project. Any comments you may wish to provide in relation to this application are welcome, and should be provided to Ms. Martha Drake of the Provincial Archaeology Office, Department of Tourism, Culture and Recreation, within 30 days of the date of this email. Ms. Martha Drake may be contacted by email at mdrake@gov.nl.ca or telephone at 709.729.2462.

You may also wish to consult the Department of Environment & Conservation's Environmental Assessment website, which contains important documents related to the Project, online: <http://www.env.gov.nl.ca/env/env_assessment/projects/Y2010/1305/index.html>, as well as the Canadian Environmental Assessment Agency's web registry of documents related to the Project, online: <http://www.ceaa.gc.ca/050/05/documents-eng.cfm?evaluation=26178>.

Please note all information disclosed to you is for your use for the purposes of consultation on the relevant application only and is not to be used for any other purposes or disclosed to any other person without the written consent of Nalcor Energy.

The official language of the Government of Newfoundland and Labrador is English. As such, this English language email is the official and authoritative communication from Nalcor Energy to your organization. The French translation of this email is for your convenience only.

Please do not hesitate to contact the above-noted provincial Department or Agency should you have any questions or concerns regarding the information or documentation included herewith.

Sincerely,

Peter Madden, Nalcor Energy

cc.
Martha Drake, DTCR
Brian Harvey, IGAA

TRADUCTION NON OFFICIELLE

Je vous écrit au nom du Nalcor Energy (qui est promoteur du projet de centrale de production d'énergie hydroélectrique dans la partie inférieure du fleuve Churchill) concernant la jointe Demande de Nalcor Energy concernant the *Historic Resources Act*.

Le Ministère de tourism, culture et recreation du gouvernement de Terre-Neuve-et-Labrador est responsable de la jointe demande, qui Nalcor Energy a besoin pour son projet. Toute observation que vous pourriez faire à l'égard de cette demande sont les bienvenus; vous pourriez les envoyer à Martha Drake du Ministère de tourism, culture et recreation dans les 30 jours de la date de cette lettre. Vous pouvez contacter Martha Drake via courriel électronique à mdrake@gov.nl.ca ou téléphone 709.729.2462.

Vous pouvez également consulter le site Web de l'évaluation environnementale du Ministère de

l'environnement et conservation, qui contient des documents importants liés au projet: http://www.env.gov.nl.ca/env/env_assessment/projects/Y2010/1305/index.html, ainsi que le régistre canadien d'évaluation environnementale, qui contient de nombreux documents liés au projet, en ligne: http://www.ceaa.gc.ca/050/05/documents-eng.cfm?evaluation=26178.

S'il vous plait noter que tous les renseignements communiqués à vous est pour votre utilisation à des fins de consultation sur la demande appropriée et ne doit pas être utilisé à d'autre fins ou communiquées à toute autre personne sans le consentement écrit du Nalcor Energy.

La langue officielle du gouvernement de Terre-Neuve-et-Labrador est l'anglais. En conséquence, ce courriel en anglais comprend la communication officielle et autorité du Nalcor Energy à votre organisation; la traduction française non officielle est pour plus de commodité seulement.

S'il vous plaît contacter le ministère du gouvernement de Terre-Neuve-et-Labrador noté ci-dessus si vous avez des questions ou des préoccupations à l'information ou la documentation ci-jointe.

Sincèrement,

Peter Madden, Nalcor Energy

cc.
Martha Drake, DTCR
Brian Harvey, IGAA

Refer To	Mail No	From	From Organization	Subject

APPLICATION FOR AN HISTORIC RESOURCES IMPACT ASSESSMENT PERMIT PROVINCE OF NEWFOUNDLAND AND LABRADOR

Name of Applicant: Frederick A. Schwarz
Institution: Stantec Consulting Ltd.
Position: Archaeologist

Mailing Address: 12 Paddy's Head Road,
Indian Harbour, NS B3Z 3N8
Telephone: (902) 823-1879
Fax: (902) 823-1479
Email: schwarz01@hfx.eastlink.ca

Period for which Permit is Required: July 15, 2012 – October 15, 2012

OVERVIEW OF PROPOSED UNDERTAKING

Title of Project: Lower Churchill Project Early Works Program: Stage 3 2012 Historic Resources Mitigation, Muskrat Falls, Labrador

Proponent: Nalcor Energy – Lower Churchill Project
Contact Person: Peter Madden,
Environmental Programs & Regulatory Compliance Supervisor

Mailing Address: 500 Columbus Drive
P.O. Box 12400
St. John's, NF, A1B 4K7
Telephone: (709) 737-4972
Fax: (709) 737-1985
Cell: (709) 725-3044
Email: PeterMadden@nalcorenergy.com

Assessment Type: Stage 3 HRIA

Project Rationale: Infrastructure Associated with Hydro Development for Power Generation

Project Location: Muskrat Falls, Churchill Valley, Central Labrador

Physical Features:

Development and Historic Resources features not assessed, or only partially assessed, in 2011, include the following:

- proposed access road on south side of Churchill River, between Muskrat Falls and the Trans-Labrador Highway;
- associated borrow pits;
- one proposed laydown area near the western end of the proposed access road;
- a proposed spoils disposal area;
- areas of proposed geotechnical assessment on the south side of Muskrat Falls;
- terrace frontage along the present south-side portage trail potentially subject to impact by geotechnical work, road construction, and ultimately, dam construction at Muskrat Falls;
- FhCe-02 near the proposed access road corridor east of the south side portage trail;
- proposed transmission line corridor leading from Highway 500 and crossing Muskrat Falls to supply laydown areas on the south side,
- areas of proposed geotechnical assessment on the north side of Muskrat Falls; and
- FhCe-06 on the western beach on the north side of Muskrat Falls.

Scheduling:

Cutting of the proposed access road and associated works is scheduled to begin June 18, 2012, with road construction to be completed this year. The remaining early works features are to be constructed in the summer, fall and winter of 2012. Although dam construction is not likely to commence in 2012, this is likely the final season to complete Stage 2 HRIA, and subsequent Stage 3 work (mitigation) at any sites encountered within the dam footprint.

Construction:

Facilities planned include those listed above under physical features. The locations of these features are indicated in Figures 1.1 and 1.2.

Operations and Maintenance:

Operation and maintenance activities will include snow-clearing and grading on roads, traffic and materials / equipment storage in laydown areas.

Project Alternatives:

None specified at present.

Potential Environmental Impacts:

In terms of historic resources, the construction of these features will have an impact on historic resources that are located in the footprint of those facilities and associated activities.

DESCRIPTION OF HISTORIC RESOURCES OVERVIEW ASSESSMENT LOWER CHURCHILL PROJECT

Stage: Stage 3

Previous Assessment: Tuck 1981; IED/JWEL 2000; JWEL/IE 2001a-d; Minaskuat 2008; Stantec 2010; Nalcor 2011; Stantec 2012

Land Owner: Crown Land

OBJECTIVES

The overall objective is to assess and manage the impact of the proposed development on historic resources within the Project Area in such a way as to achieve a mutually acceptable balance between project development and provincial historic resource management goals. This requires a three-stage process of overview assessment, detailed impact assessment, and impact management. Management of historic resources falls under the *Historic Resources Act* (1985) and is subject to its own distinct regulatory requirements which must be satisfied in addition to those of the broader EA process.

On completion of Stage 1 / Stage 2 assessment in July, 2012, the specific objective is to initiate and complete Stage 3 mitigation (i.e., excavation), at any archaeological sites situated in the vicinity of proposed drilling and construction activities on the north and south sides of Churchill River in the vicinity of Muskrat Falls where road construction and other early works associated with the Project are proposed. The prerequisite for Stage 3 Mitigation is to delineate known archaeological sites and isolated lithic finds, and identify any previously-unrecorded site loci.

Mitigation work will begin in July, 2012, immediately after completion of Stage1 / Stage 2 assessments. Mitigation work will need to be completed on the south side of Muskrat Falls and need to reach an advanced stage, if not necessarily completed, on the north side of the river by the end of 2012.

It should be noted that this permit application covers only the proposed Stage 3 Mitigation work. A separate permit application for the preceding Stage 2 Assessment work required in 2012 is being submitted along with the present permit application.

SIGNIFICANCE

The significance of the Churchill River valley resides in the fact that it is the largest river in Labrador. For Innu, Settlers, and fur-traders alike, in the historic period, it served as a major axis of fur trapping and trading in central Labrador. For Innu, it also served as one of the principal axes of travel between Lake Melville, the Lake Plateau, and the North Shore of the St. Lawrence. Several locations significant in Labrador history (e.g. the HBC posts at Fort Winokapau and Sandy Banks) are known to have been situated within the Project Area. Previous assessment (IED/JWEL 200; JWEL/IE 2001a; 2001c; 2001d; Minaskuat 2008) has verified the locations of both of these HBC outposts and led to the discovery of numerous contemporary, historic and pre-contact sites in the valley.

Below Gull Island, precontact sites in particular appear to be clustered in groups spaced as approximately 30km intervals along the River. One such precontact site cluster occurs at the strategic portages of Muskrat Falls, where a number of known archaeological and ethnographic sites have been recorded, and further significant archaeological remains are likely to be identified.

RELATION TO PREVIOUS WORK

Previous archaeological assessment of the Lower Churchill Project began in the 1970s (Thurlow et al. 1974; Tuck 1981). More recently, the 1998 Historic Resources Overview Assessment (HROA) of the Lower Churchill Project included extensive background research on historic resources in Labrador and the 1999 HROA continued this work, further investigating data and apparent data gaps arising from the 1998 results. The 2000 mapping project developed a systematic characterization of survey effort and archaeological potential in order to plan the work required to complete the HROA. Further work in 2006 focused more specifically on the proposed Muskrat Falls Reservoir, and assessment of proposed electrode lines in 2008 also included potential mapping in the vicinity of the 2012 Project Area. Field assessment in 2011 (Stantec 2012) focused specifically on the Muskrat Falls area, including some of the Early Works infrastructure to be further assessed in 2012. The results are reported in detail in the 1998, 1999, 2000, 2006, and 2008 mapping project and field program reports (IED/JWEL 2000; JWEL/IELP 2001a; JWEL/IELP 2001b, JWEL/IELP 2001c, Minaskuat 2008; Stantec 2010, 2012). In addition, local individuals have reported precontact lithic materials from the western beach on the north side of Muskrat Falls (Nalcor 2011), and from along the portage trail on the south side of the falls (see Stantec 2012).

On the north side of Muskrat Falls, a concentration of quartzite flakes and two bifacially-flaked tools were found, indicating a pre-contact aboriginal campsite. The site (FhCe-01) was substantially excavated in 1980 (Thurlow et al.1974; Tuck 1981). Extensive testing along surrounding terrace edges in 1998 and again in 2011 has yet to

recover evidence for additional deposits, though lithic finds made recently on the beach west of the site are believed to derive from deflated deposits associated with FhCe-01 (Nalcor 2011; Stantec 2012).

On the south side, isolated lithic finds have been made along the south side portage trail at Muskrat Falls (FhCe-03) since the 1970s, most recently, with the recording of finds on the edge of the terrace along the trail at the locations designated FhCe-04, FhCe-05, and FhCe-07 (Figures 1.1 and 1.2). In addition, earlier lithic stray finds along this trail have recently been assigned Borden numbers (Fhce-09 and FhCe-10), though their precise provenience is unknown. Further east, near the eastern terminus of the portage trail, an additional site (FhCe-02) was recorded in 1998 (IED/JWEL 2000). The site was originally represented by a single quartzite flake encountered on an ice-push ridge behind the active beach near the downstream terminus of the south side portage trail. In 2011, a second artifact, a kaolin pipebowl fragment dating to the Historic Period, was collected from the same location (Stantec 2012).

RESEARCH PLAN AND METHODOLOGY

The Stage 3 Mitigation work HRIA will include background research and submission of an Archaeological Research Permit Application to the PAO (this document), as well as a training program for field assistants, field study consisting of excavation of identified archaeological sites and associated data recording, and preparation of the necessary reports.

BACKGROUND RESEARCH

Because extensive background research of published and unpublished sources has already been completed in relation to the Project, for the current Stage 1 HROA research will be limited to a search of the Newfoundland and Labrador Archaeological Site Record Inventory and Site Record Forms to obtain details on any archaeological sites that have been located and registered with the PAO and a review of aerial photography and NTS topographic mapping of the area to highlight landforms and vegetation patterns suggestive of historic resources potential.

TRAINING PROGRAM

Local persons with experience in environmental science have been selected to participate in fieldwork. Prior to mobilizing to the field, a one-week training program in Stage 3 archaeological field methods and Health and Safety will be developed and delivered to fieldwork participants. The course outline will be submitted to PAO for review.

FIELD STUDY

The Stage 3 fieldwork will be completed by two three-person teams over a period of up to three months, as required. The general approach will be the same for all sites.

All excavated site loci will be gridded and excavated by trowel to sterile. The basic excavation unit will be the 2x2 meter square, separated by 50cm wide baulks and excavated by natural layers. This grid pattern of excavation allows sufficient areas to be uncovered that spatial patterns may be easily discerned, while the continuous baulks enable stratigraphic control to be easily maintained at all times. Excavation backdirt will be screened.

Most precontact archaeological sites in the Churchill Valley are tentatively dated to the Intermediate period, by typological means. However, this dating is not conclusive, and the absolute chronology of the Intermediate period is in any case sparsely supported. Therefore, particular attention will be paid to recovering radiocarbon-datable materials in good cultural contexts.

All artifacts, debitage, faunal remains, charcoal samples and soil samples will be collected with point provenience. Excavation areas and cultural features will be mapped and representative baulks profiled at a scale of 1:10. Field notes and photographic record of excavations will be maintained.

STAGE 3 MITIGATION ACTIVITIES AT SPECIFIC SITES

FhCe-03 and Associated Loci

Much of the south side of Muskrat Falls, along the existing portage trail, could be affected by bulk excavation of materials in the early stages of construction of the Muskrat Falls dam and generating works, and completion of both Stage 2 and Stage 3 work in this area is therefore critical.

The historic portage trail itself will be mitigated by means of data recovery and mitigation approaches applicable to sites that have no or few subsurface remains. These approaches may include photographic, video and illustrative coverage, as well as collection, documentation, and conservation of all relevant site artifacts. The scope of this mitigation, along with comparable mitigation to be undertaken on the separate north side portage trail, will be determined through consultation with the Nalcor-Aboriginal Environmental Management Committee and does not form part of this workscope.

In addition to the trail itself, isolated lithic finds of archaeological significance have been made along the south side portage trail at Muskrat Falls (FhCe-03) since the 1970s, most recently, with the recording of finds on the edge of the terrace along the trail at the

locations designated FhCe-04, FhCe-05, and FhCe-07. In addition, earlier lithic stray finds along this trail have recently been assigned Borden numbers (Fhce-09 and FhCe-10). Further Stage 2 assessment will focus on identifying any yet-unknown pre-contact or historic site locations along the trail and the edge of the nearby terrace. This will be achieved by testing the entire 2.75 km length of the terrace next to the portage trail. This work will also include shovel-testing along approximately 500 m of lower terrace frontage immediately overlooking the falls. The objective is to identify all significant site loci along the trail and terrace, so that these loci can be mitigated. This testing program will also complete the Stage 1 / 2 assessments of FhCe-04, FhCe-05, FhCe-07, FhCe-09, and FhCe-10 by determining whether there are *in situ* archaeological deposits associated with these stray finds.

- ***FhCe-04:*** If, after intensive testing, FhCe-04 appears to consist of only an isolated lithic find, it will not be targeted for further Stage 3 (mitigation) work. However, if intensive testing reveals additional subsurface archaeological deposits, the site will be fully excavated.

- ***FhCe-05:*** If, after intensive testing, FhCe-05 appears to consist only of an isolated lithic find, it will not be targeted for further Stage 3 (mitigation) work. However, if intensive testing reveals additional subsurface archaeological deposits, the site will be fully excavated.

- ***FhCe-07:*** If, after intensive testing, FhCe-07 appears to consist only of an isolated lithic find, it will not be targeted for any further Stage 3 (mitigation) work. However, if intensive testing reveals additional subsurface archaeological deposits, the site will be fully excavated.

- ***FhCe-09:*** If, after intensive testing, FhCe-09 appears to consist only of an isolated lithic find, it will not be targeted for any further Stage 3 (mitigation) work. However, if intensive testing reveals additional subsurface archaeological deposits, the site will be fully excavated.

- ***FhCe-10:*** If, after intensive testing, FhCe-10 appears to consist only of an isolated lithic find, it will not be targeted for any further Stage 3 (mitigation) work. However, if intensive testing reveals additional subsurface archaeological deposits, the site will be fully excavated.

- ***Additional Sites Encountered during Stage 2 Assessment:*** As with the previously-recorded stray finds along the south side of Muskrat Falls, any newly-discovered loci which, after intensive testing, appear to consist only of stray finds, will not be targeted for any further Stage 3 (mitigation) work. However, if intensive testing reveals additional subsurface archaeological deposits, any new site loci will be fully excavated.

FhCe-02

FhCe-02 is a designated archaeological site represented by two artifacts, both discovered on an ice-push ridge behind the active beach near the downstream terminus of the south side portage trail around Muskrat Falls. It is possible that these artifacts represent stray finds on the active beach at a portage trail terminus, in which case no further mitigation is warranted. A source deposit on stable terrain for these artifacts, if such exists, has yet to be identified. Testpitting along the edge of the terrace to the south of the find locations offers the only prospect for identifying an *in situ* cultural source-deposit and this will be undertaken as part of the Stage 2 Assessment in 2012.

If intensive testing of the terrace above is negative, then FhCe-02 will not be targeted for any further Stage 3 (mitigation) work. However, if intensive testing reveals additional subsurface archaeological deposits, the site will be fully excavated. Because of the strategic location near the terminus of the portage trail, it is anticipated that FhCe-02 may indeed include subsurface deposits that will require excavation.

FhCe-01

It has been argued that the source deposit for the archaeological materials designated FhCe-06 likely consists of a site locus associated with FhCe-01 and situated (or formerly situated) on the terrace above (Nalcor 2011; Stantec 2012). Thus far, attempts to locate such loci, beginning in 1998 (IED/JWEL 2000) and continuing through 2011, have been unsuccessful and given the extensive erosion along both the eastern and western edges of this terrace, it is possible that they no longer exist.

Nevertheless, further testpitting in the vicinity of FhCe-01 and along the western edge of the 55 m terrace will be undertaken in 2012 to verify whether any remaining site loci associated with FhCe-01, or more distantly located, still survive. More specifically, geotechnical testpitting is proposed for four areas on the north side of Muskrat Falls, three of which lie at elevations comparable to that of the previously-recorded site at FhCe-01. Two of these three include west-facing terrace frontages. These will be shovel tested during the Stage 2 Assessment in 2012, with a particular focus on terrace frontages, as well as areas in proximity to FhCe-01. Similarly, Stage 2 Assessment of the proposed transmission line leading from Highway 500 will include subsurface testing, focused on any terrace edges tracked or traversed by the proposed line, particularly those in proximity to FhCe-01. Stage 2 Assessment of these areas in 2012 will augment the extensive testing undertaken in 1998, and if testing reveals additional subsurface archaeological loci these will be fully excavated.

FhCe-06

Previous assessment results from FhCe-06 indicate that this site represents a secondary deposit of archaeological material on an active beach. In 2012, one final

round of surface inspection and collection of any lithic artifacts will be undertaken along the beach, in conjunction with the field training program, but at present, no further mitigation is deemed to be required. The source deposit for the archaeological materials designated FhCe-06 likely consists of a site locus associated with FhCe-01 and situated (or formerly situated) on the terrace above. Thus far, attempts to locate such loci have been unsuccessful and it is possible that they no longer exist. Nevertheless, further testpitting in the vicinity of FhCe-01 and along the western edge of the 55 m terrace will be undertaken in 2012 to verify whether any site loci remain and if any such loci are identified, excavation will commence.

RECORDING

In the field, records will be kept in the form of fieldnotes, which will describe daily excavation activities, stratigraphic events, and results. Fieldnotes will be transcribed into word processor format on an ongoing basis. Sites and cultural materials will be catalogued on PAO-compliant digital site and artifact record forms. All artifacts, debitage, and charcoal samples will be collected with point provenience. Excavation areas and features will be mapped and profiled at a scale of 1:10, and a photographic record of the excavation and feature will be maintained.

REPORTING

Following completion of the field excavations, a Preliminary Report on the Stage 3 Mitigation results will be submitted. Draft and Final Reports on the combined Stage 2 / 3 Field Program will be prepared in accordance with provincial guidelines for archaeological research (Government of Newfoundland and Labrador 1992), and will include a discussion of the methods and techniques, a summary of all study results, and figures showing survey areas and the location of any sites observed and recorded, as well as plans, profiles, and photographs of all excavated areas Detailed bibliographic references for all sources and individuals consulted will also be included.

SCHEDULE OF FIELDWORK AND ANALYSIS

Stage 3 mitigation work is anticipated to commence on or about July 15, 2012, and to be complete by the close of the 2012 field season ca. October 15, 2012. Submission of a preliminary report and site record forms will follow within approximately one week of completion of fieldwork.

Past research completed in relation to the Project has demonstrated that many pre-contact sites in the Churchill valley are approximately 100 m^2 in area (or smaller) and relatively shallow. Each field team can therefore excavate a site of average size in less than two weeks. In the available time, the two teams that completed the Stage 2 assessment work should therefore be able to complete mitigation of approximately 12 average-sized site loci. This number likely greatly exceeds the number of loci that will

be identified and that will require excavation. However, Stantec will be prepared to deploy a possible third field team in the event that the number or size of site loci encountered during Stage 2 assessment is greater than anticipated or if work delays, beyond the control of the field team, are encountered.

Since the Stage 2 Assessment may be followed by additional Stage 3 work, it is anticipated that analysis, artifact and photographic catalogues, and draft report may not be complete until late December, 2012 at the very earliest, with a final report submitted one week after Client review, tentatively December 31, 2012.

REFERENCES

Government of Newfoundland and Labrador. 1992. Historic Resources Impact Assessment Guidelines. Cultural Heritage Division, Department of Tourism and Culture, Government of Newfoundland and Labrador, St. John's.

IELP (Innu Environmental Limited Partnership). 2002. Trans-Labrador Highway Phase III Happy Valley – Goose Bay to Cartwright Junction, Final Report: Historic Resources Component Study. Report submitted to Department of Works, Services, and Transportation, St. John's.

IED/JWEL (Innu Economic Development Enterprises and Jacques Whitford Environment, Ltd). 1999. Archaeological Investigations at the Wapeneu Mikue Site (FjCa-47), near North West River, Labrador (LHP 98-17). Final Report submitted to Newfoundland and Labrador Hydro, St. John's.

2000. Churchill River Power Project, 1998 Environmental Studies. Final Report. Historic Resources Overview Assessment, Labrador Component. Final Report submitted to Newfoundland and Labrador Hydro, St. John's.

JWEL/IE (Jacques Whitford Environment, Ltd/Innu Environmental). 2001a. Labrador Hydro Project 1999 Environmental Studies. Historic Resources (Labrador Study) LHP 99-17. Final Report submitted to Newfoundland and Labrador Hydro, St. John's.

JWEL/IE. 2001b. Labrador Hydro Project 2000 Studies. Historic Resources Field Program LHP 00-17. Final Report submitted to Newfoundland and Labrador Hydro, St. John's.

JWEL/IE. 2001c. Labrador Hydro Project 2000 Studies. Historic Resources Potential Mapping LHP 00-17. Final Report submitted to Newfoundland and Labrador Hydro, St. John's.

JWEL/IE. 2001d Labrador Hydro Project - Churchill River Power Project Historic Resources Overview Assessment 1998-2000 Volume 1: Interpretive Summary and Recommendations LHP 00-17C. Final Report submitted to Newfoundland and Labrador Hydro, St. John's.

Minaskuat Inc. 2008. 2006 Historic Resources Overview and Impact Assessment of Muskrat Falls Generating Facility and Reservoir and Muskrat Falls to Gull Island Transmission Link Corridor (LCP 535865/866). Lower Churchill Hydroelectric Generation Project Environmental Baseline Report. Report prepared for Newfoundland and Labrador Hydro, St. John's, NL.

Nalcor Energy. 2011. Interim report: Archaeological Survey of FhCe-06, Muskrat Falls, Churchill River, Labrador. Response to Undertaking 76, Lower Churchill Hydroelectric Generation Project Joint Review Panel

Stantec Consulting Limited. 2010. Labrador – Island Transmission Link: Historic and Heritage Resources Component Study. Revised interim report prepared for Nalcor Energy, St. John's, NL.

Stantec Consulting Limited. 2012. 2011 Historic and Heritage Resources Field Program. Report prepared for Nalcor Energy, St. John's, NL.

Thurlow and Associates. 1974. Environmental Overview of the Lower Churchill Power Development. Final Report, November 1974.

Tuck, James A. 1981. Final Report: Lower Churchill Development Corporation Muskrat Falls Generating Project: Archaeological Report. Report on file, Historic Resources Division, St. John's.

ARRANGEMENTS FOR ARTIFACT CONSERVATION

A conservator has been retained for the project. Conservation costs, if and as needed, will be borne by the Proponent.

Name of Conservator: Paula French

SCHEDULE OF RETURN OF MATERIAL TO THE PROVINCE

Since the proposed work is preparatory to intended Stage 3 mitigation which may occur over a period of years, it is anticipated that analysis may be extensive and archaeological materials and collections may need to be retained for research purposes, as well as conservation, for at least one year following completion of the fieldwork. Tentatively, return of materials to the province is scheduled for December 31, 2013.

LIST OF PARTICIPANTS AND FIELD PERSONNEL

The Assessment will be undertaken by Stantec Consulting Ltd. of Goose Bay and St. John's. Project personnel and tasks are here summarized by research component.

Background Research:	Dr. Fred Schwarz Mr. Roy Skanes
Fieldwork Component:	Dr. Fred Schwarz Mr. Roy Skanes
Analysis and Report Preparation Component:	Dr. Fred Schwarz Mr. Roy Skanes

FINANCIAL SUPPORT

Nalcor Energy – Lower Churchill Project, via Stantec Consulting Ltd.

I hereby agree to conform to the terms and conditions of the permit, and the provisions of the Historic Resources Act (1985).

June 14, 2012

Applicant's Signature

Date

Figure 1.1: Proposed Works and 2012 Historic Resources Research Areas

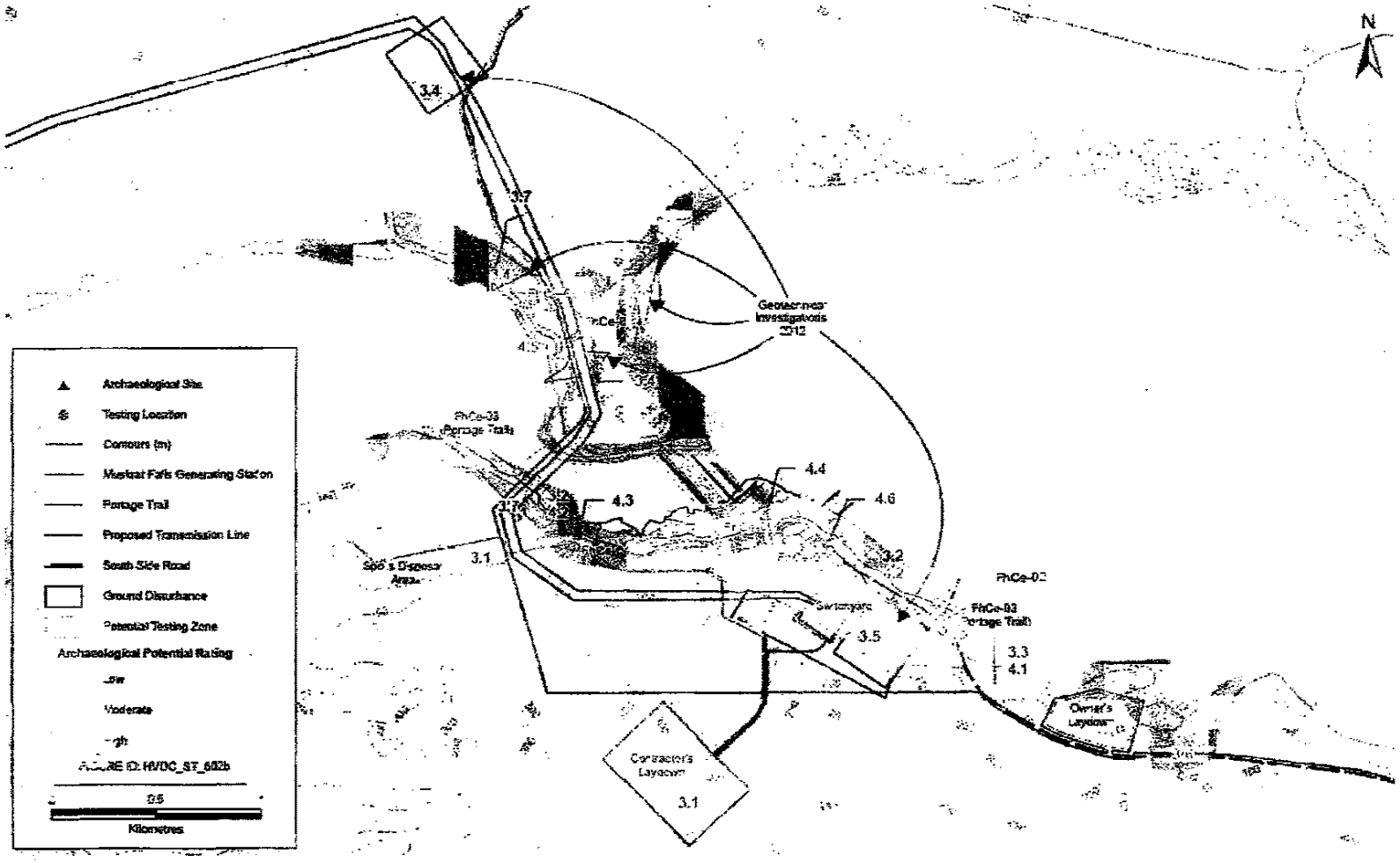


Figure 1.2: 2012 Historic Resources Research Areas (Muskrat Falls)