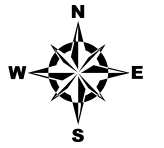
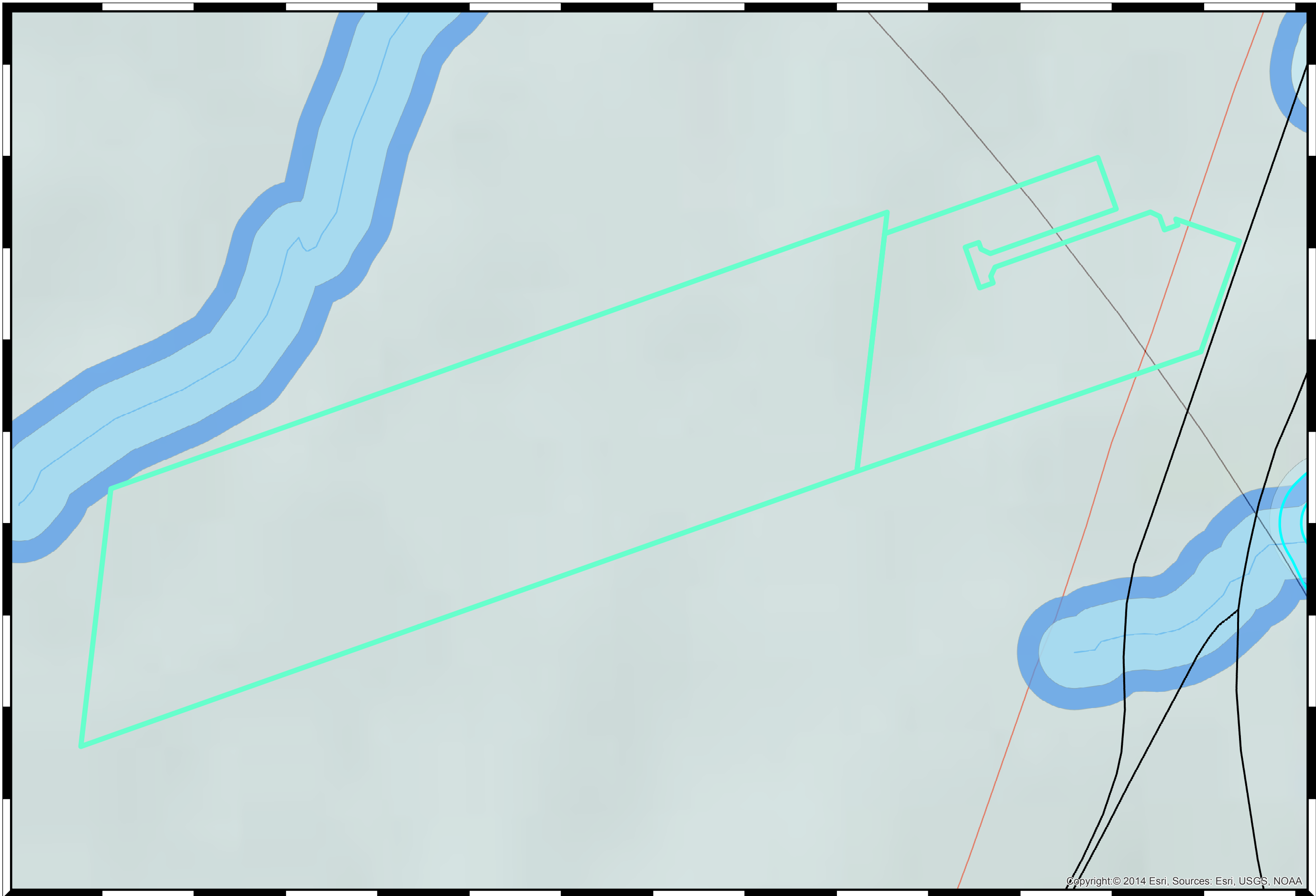
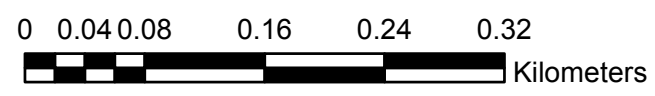


Appendix E:
Archaeological Impact Assessment



- Legend**
- Richibucto_Land
 - 2016 PreCUpdate**
 - <all other values>
 - June52012UndefinedSites
 - 2014Historic
 - ✂ June52012SuspectedShipwrecks
 - ✂ June52012Shipwrecks
 - ✂ June52012SuspectedPlaneCrash
 - ✂ June52012RecordedPlaneCrash
 - June52012ProtoHistoricSite
 - 2014PrecontactSites
 - June52012HistoricSites
 - June52012Cemeteries
 - New Brunswick Portage Routes
 - nb_geoname
 - waterbody**
 - <all other values>
 - WATER_CODE**
 - AQ
 - LK
 - ON
 - PN
 - RV
 - SL
 - WA
 - Roads**
 - <all other values>
 - TRANSPORTA**
 - 1
 - 3
 - 2
 - PortageBuffer4
 - PortageBuffer
 - 2014HistoricBuffer
 - watercourse**
 - <all other values>
 - WATERCOURS**
 - 1
 - 2
 - Slope_demnb2**
 - <VALUE>**
 - 0 - 25.36652904
 - 25.36652905 - 60.23010614
 - 60.23010615 - 72.92877099
 - 72.928771 - 77.50883873
 - 77.50883874 - 80.67965486
 - 80.67965487 - 83.85047099
 - 83.850471 - 89.83979034
 - High Potential1
 - Medium Potential1
 - MarinePaleoShoreline**
 - VALUE**
 - 0 - 28
 - 28.00000001 - 38
 - 38.00000001 - 48
 - 48.00000001 - 810

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Time: 4:34:48 PM
Date: 06/03/2017

Katherine Dorey

From: Katherine Dorey
Sent: Wednesday, May 17, 2017 2:49 PM
To: 'Jarratt, Tricia (THC/TPC)'
Subject: RE: Archaeological Spatial Database

Hi Tricia,

Thanks for the quick response! We will ensure the proper protocols are in place should anything be found if the project moves forward.

Katherine

From: Jarratt, Tricia (THC/TPC) [<mailto:Tricia.Jarratt@gnb.ca>]
Sent: Wednesday, May 17, 2017 2:45 PM
To: Katherine Dorey <kdorey@naturalforces.ca>
Subject: RE: Archaeological Spatial Database

Hi Katherine,

No field survey is required, I just wanted to inform you of the possible presence of wreckage within the 5 km area, and if anything related to the airplane crash is come upon by the Proponent, that Archaeological Services be notified immediately.

Tricia

From: Katherine Dorey [<mailto:kdorey@naturalforces.ca>]
Sent: May-17-17 2:40 PM
To: Jarratt, Tricia (THC/TPC)
Subject: RE: Archaeological Spatial Database

Hi Tricia,

In March you had provided me with results from the Archaeological Spatial Database identifying a plane crash within a 5 km buffer zone of our proposed project land. The location has changed a bit but would still be within 5 km from the coordinates provided in your last email. I was wondering if you could provide some guidance as to how we should proceed. Is a field survey required to identify wreckage material within the project footprint? How would we determine if a field survey is required and how would we go about starting the process if necessary?

Thank you for your time,

Katherine

From: Jarratt, Tricia (THC/TPC) [<mailto:Tricia.Jarratt@gnb.ca>]
Sent: Tuesday, March 7, 2017 8:18 AM
To: Katherine Dorey <kdorey@naturalforces.ca>
Subject: RE: Archaeological Spatial Database

Good morning Katherine,

Please find attached a copy of your requested predictive model. The invoice will be sent to you via mail and is approximately \$67.00

The area you are looking at is situated within a 5 km radius of a plane crash, it is situated at the following coordinates 46°38'27.366"N, 64°56'3.912"W. The wreckage from this aircraft constitutes an archaeological site and is protected under the *Heritage Conservation Act*. We typically place a 5 km buffer around plane crash coordinates as wreckage is commonly found strewn throughout the area. It should be noted that the coordinates for the plane crash are provided by the Department of National Defense, and reflect a general crash area rather than a precise location; only ground-truthing would confirm the presence/absence of any wreckage. If any wreckage is found, we ask that the wreckage be left undisturbed and that Archaeological Services be contacted immediately.

Please do not hesitate to contact me if you have any questions or concerns.

Tricia

From: Katherine Dorey [<mailto:kdorey@naturalforces.ca>]
Sent: March-06-17 10:35 AM
To: Jarratt, Tricia (THC/TPC)
Subject: RE: Archaeological Spatial Database

Hi Tricia,

Thanks for getting back to me. That sounds good to us, attached is a shapefile of the lands required for the project. Please let me know if you need any more details.

Thank you,

Katherine

From: Jarratt, Tricia (THC/TPC) [<mailto:Tricia.Jarratt@gnb.ca>]
Sent: Friday, March 3, 2017 1:44 PM
To: Katherine Dorey <kdorey@naturalforces.ca>
Subject: RE: Archaeological Spatial Database

Dear Katherine:

If you are able to provide Archaeological Services with a shapefile of the area(s) you are interested in, we could generate an archaeological predictive model which will show any areas of elevated archaeological potential. This mapping is available at a cost of 10\$/MB of data, unfortunately I am unable to give a total cost as it depends on the amount of data that is processed relative to the area you are inquiring about.

Please do not hesitate to contact me if you have any questions.

Tricia Jarratt

Tricia Jarratt, MA, RPA

Manager – Archaeological Regulatory Unit / Gestionnaire – Unité des services de réglementation archéologique
Archaeological Services Branch / Direction des services d'archéologie
Tourism, Heritage and Culture / Tourisme, Patrimoine et Culture
Phone / Téléphone : 506-238-3512
Fax / Télécopieur : 506-457-4880



From: Katherine Dorey [<mailto:kdorey@naturalforces.ca>]

Sent: Thursday, March 02, 2017 2:46 PM

To: THC-TPC info

Subject: Archaeological Spatial Database

Hello,

My name is Katherine and I work for Natural Forces, a wind energy developer based out of Halifax. We have a project coming up in New Brunswick that we would like determine the potential for archaeological resources. I was wondering how to go about getting access to the Archaeological Spatial Database and if this is the tool that I would need to determine if a field study is required? Also, if the database has a fee what would be the cost to access it. The maximum area we would need to look at would be about 50 hectares.

Thank you for your time and assistance,

Katherine