



Henvey Inlet Wind LP

## **Henvey Inlet Wind**

Henvey Inlet Wind Energy Centre

**Stage 2 Archaeological Assessment**  
***Supplementary Documentation***

Henvey Inlet Wind LP

# Henvey Inlet Wind

## Stage 2 Archaeological Assessment – Henvey Inlet Wind Energy Centre (HIWEC) Supplementary Documentation

Henvey Inlet First Nation Indian Reserve No. 2 in the District of Parry Sound, Ontario

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## AECOM Signatures

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**MTCS:** ..... Robert von Bitter, Archaeological Data Co-ordinator  
Paige Campbell, Archaeological Review Officer

# 1. Project Background

AECOM Canada Ltd. (AECOM) was contracted by Henvey Inlet Wind LP (HIW) to conduct a Stage 2 archaeological assessment for a proposed 300 megawatt wind energy generation centre, located in central Ontario. This assessment was undertaken by AECOM on behalf of HIW as a best practise exercise in advance of construction of the Henvey Inlet Wind Energy Centre (HIWEC) on Henvey Inlet First Nation Reserve No. 2 (HIFN I.R. #2). The Stage 2 archaeological assessment was conducted for the areas to be impacted by the proposed HIWEC infrastructure footprint on HIFN I.R. #2. The HIWEC consists of 120 turbine generators, of which up to 91 will be constructed, the road network, transmission lines, laydown yards, and transformer stations. The turbine pads will comprise an area of 60 m<sup>2</sup> and a 160 m radius around this was subject to archaeological assessment, the access roads will be 10 m to 20 m in width, the transmission line will be a maximum of 30 m, and a 50 m corridor was assessed for these components. The two temporary laydown yards and two transformer stations will each be approximately 100 m by 100 m and a 200 m<sup>2</sup> area was assessed. The HIWEC is not subject to provincial regulations due its location entirely on Federal Reserve land; however, at the request of HIW this archaeological assessment has been conducted to meet the requirements of the HIFN EA Guidance Document. Additionally, the HIWEC is not subject to the Ontario Heritage Act (Ontario Government 1990a) or the Standards and Guidelines for Consultant Archaeologists (Ontario Government 2011b) yet the Stage 2 archaeological assessment has been conducted to fulfill the requirements of these provincial regulations.

The HIWEC study area is located on HIFN I.R. #2, which is a parcel of Federal Crown land on the east shore of Georgian Bay approximately 80 km north of Parry Sound, Ontario (Figure 1 and Figure 2). It is held by the Crown subject to the Aboriginal title of and for the benefit of HIFN. HIFN has broad authority to manage and protect its Reserve lands. This authority comes from the First Nations Land Management Act (Canada Government 2015), related instruments, and the HIFN Land Code. HIFN I.R. #2 has been in active use by HIFN for habitation, hunting, fishing, cultural gathering, burial and, traditional use. In recent times, HIFN has used these lands for a variety of purposes including forestry, aggregate, waste management, and recreation. Overall, the HIWEC will include approximately up to 91 wind turbine generators with an operating footprint of approximately 173.1 ha within the 9,232.86 ha that constitutes HIFN I.R. #2. Access to the study area was granted by HIFN and HIW and a member of HIFN accompanied the archaeologists at all times.

The Stage 2 archaeological assessment resulted in the identification of the Hebert Site, a late 19<sup>th</sup> – early 20<sup>th</sup> century archaeological site determined to be a rail workers camp and area of aggregate industry occupied by both First Nation and Euro-Canadian people. Based on the cultural historical value and rarity of this type of site it is determined to have cultural heritage value or interest and should be preserved.

The purpose of this Supplementary Documentation is to provide the project team with exact location of the archaeological site outside of the public report. Archaeological site location information is not subject to the Freedom of Information Act as release of this information in the past has led to illegally conducted activities such as looting. For this reason all maps that indicate exact site location, as well as any GPS coordinates, are provided here in the supplementary documentation to the report.

If the Hebert Site will be impacted by development processes a Stage 3 archaeological assessment must be conducted. The Stage 3 archaeological assessment should employ hand excavated test unit methodology as outlined in Section 3.2.2 and Table 3.1 of the *Standards and Guidelines for Consultant Archaeologists* (Ontario Government 2011), to further test the nature and density of the site.

A 50 m wide corridor south of the Hebert Site was assessed and found to be free of archaeological concerns. This re-route option should be used if development will occur here, thus avoiding impacts to the Hebert Site. In order to preserve the area and avoid disturbing the site it is recommended that a temporary fence be placed along the

northern limit of the 50 m re-routed transmission line boundary and around the limits of the Hebert Site. This area must be clearly labelled on all construction drawings as a No-Go zone for all construction activities and personnel (see Supplementary Documentation).

It has been determined by the project team that Transmission Line – Route B is the preferred option and no development on Transmission Line – Route A will occur. As such no development activities are planned on Transmission Line – Route A in which the Hebert Site is adjacent to and no protective measures or further assessment is required. If HIWEC plans change in the future and impacts are planned in this area the above mitigation measures must be taken into account.



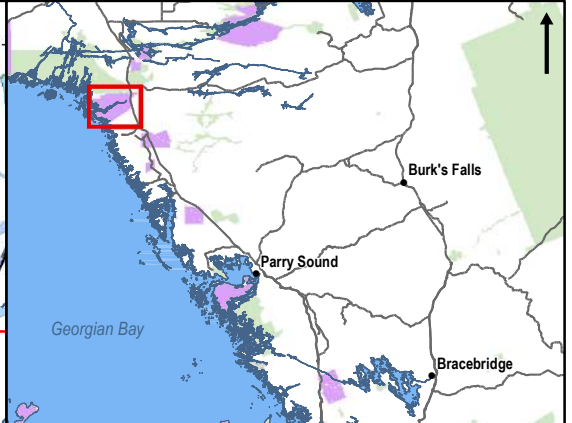
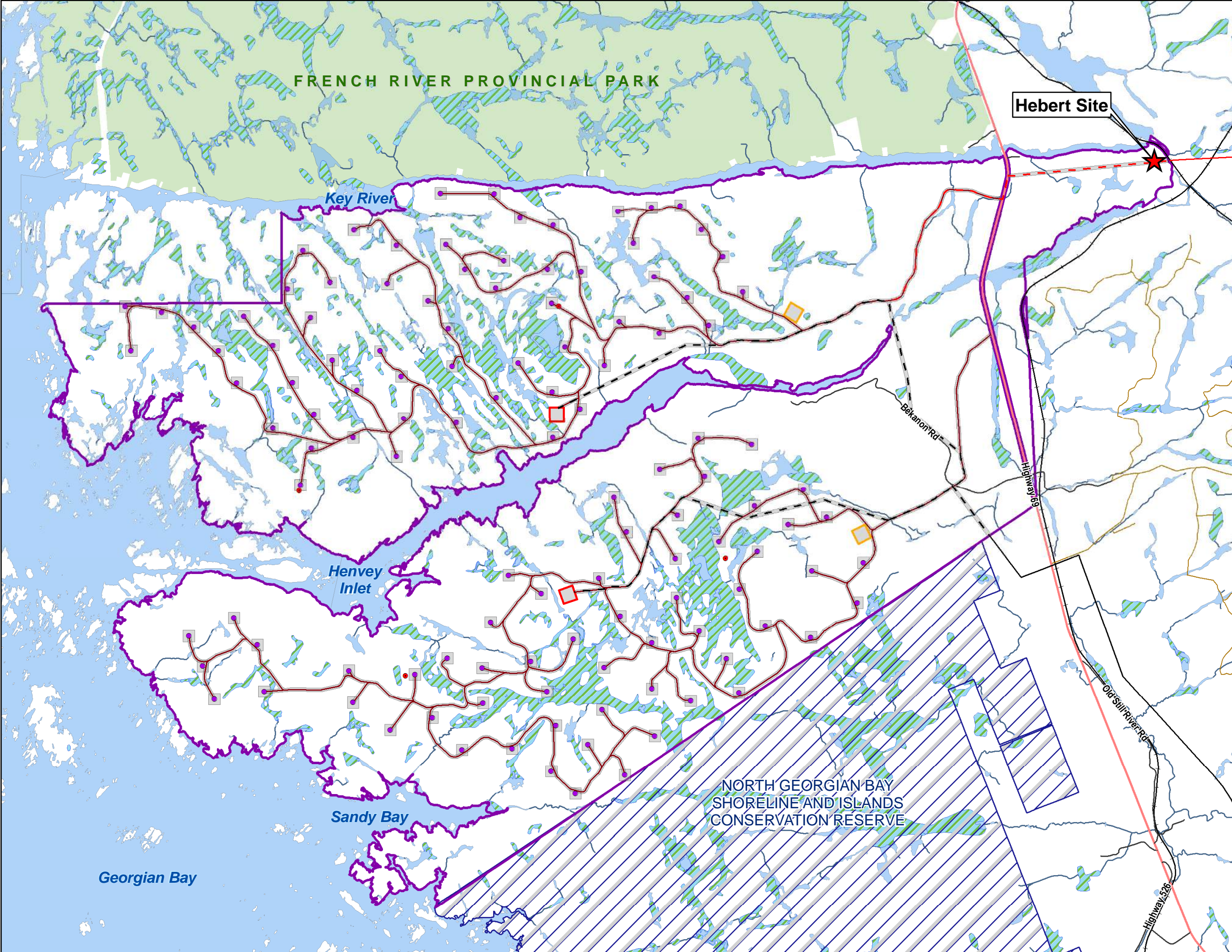
## 2. GPS Coordinates

**Table 1. UTM Coordinates for the Hebert Site**

Item	17T UTM Coordinates (NAD 83)	
	Easting	Northing
Northern Site Limits	0535797	5082123
Southern Site Limits	0535827	5082041
Eastern Site Limits	0535881	5082077
Western Site Limits	0535743	5082070
Site Centroid	0535820	5082067

### 3. Maps

All maps for the Stage 2 archaeological assessment of the HIWEC, including specific site locations, are provided on the following pages.



★ Location of Hebert Site

**HIWEC Infrastructure**

- Wind Turbine Generators
- MET Towers
- - - Route A On-Reserve Transmission Line
- Route A Off-Reserve Transmission Line
- - - On-Reserve Transmission Line
- Off-Reserve Transmission Line
- Access Roads & Collector Lines
- HIWEC Location / Area of Investigation
- Construction Compounds & Laydown Yards
- Transformer Station Areas and Potential
- Operation and Maintenance (O&M) Building Locations

**Base Layers**

- Major Roads
- Highway
- Trails
- Railway
- Henvey Inlet First Nation Reserve No.2
- Watercourses
- Waterbodies
- Wetlands
- Provincial Park
- Conservation Reserve

0 0.5 1 2  
Kilometers

Stage 2 Archaeological Assessment  
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Study Area in Detail

September 2015      1:50,000      Datum: NAD 83, Zone 17  
Source: Stantec, OBM, LIO

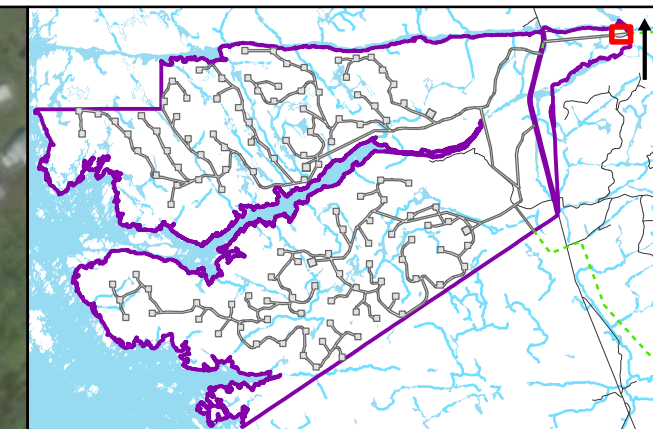
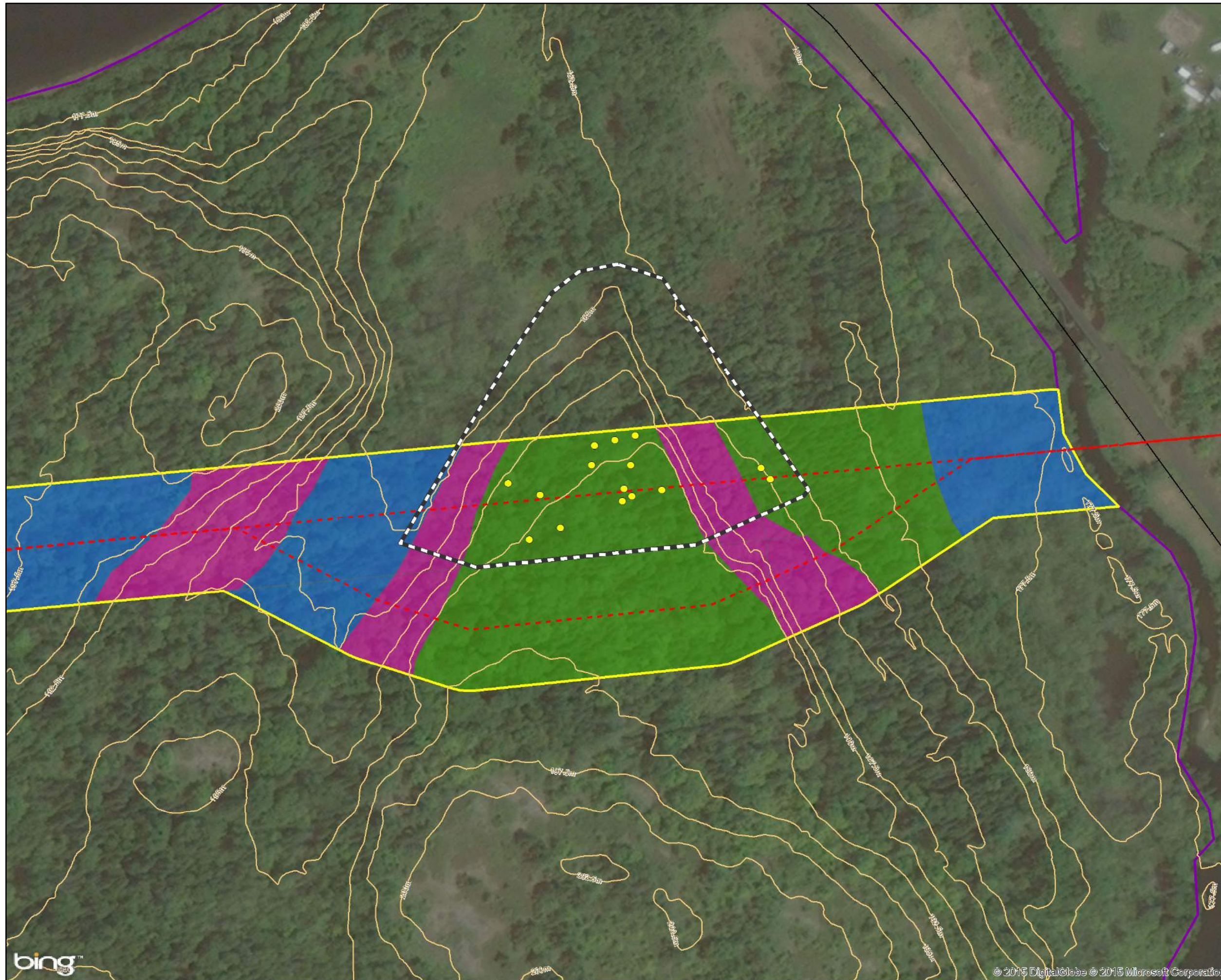
P#: 60341251      V#: 001

**Figure 1**

This drawing has been prepared for the use of AECOM's client and may not be used, reproduced or relied upon by third parties, except as agreed by AECOM and its client, as required by law or for use by governmental reviewing agencies. AECOM accepts no responsibility, and denies any liability whatsoever, to any party that modifies this drawing without AECOM's express written consent.

Map location: C:\PROJ\05-CT-09\0505000 - HFN\GIS\Design\A-Sig\SigDoc\StudyArea\Detail.mxd Date saved: 16/09/15 11:46:16 AM





↑  
N

- Positive Test Pit
- Protective Fence

**Areas of Archaeological Potential**

- Test Pit Survey 5m Interval

**Areas of Low Archaeological Potential**

- Exposed Bedrock
- Steeply Sloped
- Visibly Disturbed
- Wet / Poorly Drained

**HIWEC Infrastructure**

- Route A Off Reserve Transmission Line
- Route A On Reserve Transmission Line
- HIWEC Location / Area of Investigation

**Base Layers**

- Railway
- Henvey Inlet First Nation Reserve No.2
- Major Contour

0    15    30    60  
Meters

**Stage 2 Archaeological Assessment  
Henvey Inlet Wind Energy Centre**

Herbert Site Recommendations

September 2015	1:1,500	Datum: NAD83 Zone 17 Source: Stantec, OBM, LIO
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**Figure 3**

Map creation: C:\PROJ\CT\516\20150901 - HF\NGIS\Design\AA-SP2\SupDoc\SiteRecommendations.mxd Date saved: 16/09/15 11:26:46 AM