

3 November, 2015

Goldwind Australia Pty Ltd  
Level 23 - 201 Elizabeth Street  
Sydney, NSW, 2000  
By email to: jeffbembrick@goldwindaustralia.com

Our Reference: 0295776 PROJECT MODIFICATION HERITAGE SURVEY\_FINAL.DOCX

Attention: Jeff Bembrick

Dear Jeff

RE: HERITAGE SURVEY FOR MODIFICATION AREAS - WHITE  
ROCK WIND FARM



## 1. INTRODUCTION

Environmental Resources Management Australia Pty Ltd (ERM) was commissioned by Goldwind Australia Pty Ltd (Goldwind) on behalf of White Rock Wind Farm Pty Ltd (WRWFPL) to undertake an additional heritage assessment for proposed variations to the Stage 1 development. The scope of additional assessment involved survey of areas where minor changes to the project layout are proposed but were not specifically assessed in the Epuron Environmental Assessment, April 2011. These layout changes are shown in mapping presented as *Annex A* with ERM survey transects presented in *Annex B*. It is understood that this assessment will support a Modification Application to be lodged by WRWFPL in respect of minor layout changes that may be considered outside of the micro-sitting allowances provided in the Project Approval.

This letter report outlines the aims, methodology and results of this survey as well as assessment of impact of the proposed modifications and management recommendations for identified sites.

## 2. BACKGROUND

An Aboriginal Heritage Impact Assessment was prepared by RPS in 2010 for the White Rock Wind Farm development. The assessment comprised an appendix of the Epuron Environmental Assessment, April 2011. This assessment identified three Aboriginal scarred trees RPS WR01A, RPS WR01B and RPS WR04 and two artefact scatters RPS WR02 and RPS WR03 (see *Table 1*).

The Aboriginal Heritage Impact Assessment (RPS 2010) included the following recommendations for the management of Aboriginal heritage values within the project area:

- temporary fencing of all sites during construction;
- locations of sites to be stored within the Proponents' environmental management system;
- all relevant staff and contractors should be made aware of their statutory obligations; and
- an incidental finds protocol.

**Table 1** *Aboriginal Heritage Sites (RPS 2010).*

No.	Site Code	Site Name	Site Types	Coordinates	AHIMS No.
1	RPS WR01A	RPS White Rock 01A	Scarred Tree	361321, 6696937	12-4-0028
2	RPS WR01B	RPS White Rock 01B	Scarred Tree	361340, 6696925	12-4-0029
3	RPS WR02	RPS White Rock 02	Artefact Scatter and PAD	361207, 6703892	12-4-0030
4	RPS WR03	RPS White Rock 03	Artefact Scatter and PAD	361374, 6704084	12-4-0031
5	RPS WR04	RPS White Rock 04	Scarred Tree	362843, 6701107	12-4-0032

ERM subsequently prepared a Construction Heritage Management Plan (CHMP) (*Annex F* of the WRWF Stage 1 Construction Environmental Management Plan [CEMP]) to manage Aboriginal heritage values prior to and during construction works (ERM 2015a). The following recommendations were provided in this CHMP:

- Avoidance - including the establishment of protective fencing around sites and storage of their locations within environmental management systems;
- Chance finds procedure;
- Procedures in the event that human remains are discovered; and
- Cultural heritage awareness training.

As part of the preparation of the CHMP, ERM undertook a site inspection of the previously recorded Aboriginal heritage sites at White Rock Wind Farm to confirm the location and current status of these registered sites. This inspection re-identified scarred tree sites RPS WR01A and RPS WR01B however these trees, located close to a property boundary fence have been cleared. The clearing is understood to have been undertaken by the landowner to prevent damage to the boundary fence by falling branches as is part of farm management activities (ERM 2015b). The landowner appears to have been unaware of the significance of these scarred trees. The NSW Office of Environment and Heritage (OEH) has been notified of the impact and OEH has investigated this incident.

Despite targeted survey efforts, stone artefact sites RPS WR02 and RPS WR03 could not be re-identified. RPS WR04 was not surveyed due to access limitations and as the site is not within an area that will be impacted by the Stage 1 Project. In addition to the recommendations provided in the Aboriginal Heritage Impact Assessment (RPS 2010), ERM (2015b) further recommended that:

*To avoid any damage to the remaining three sites located within the Project boundary it is further recommended that the landowners are informed of the location and nature of sites RPS WR02, RPS WR03 and RPS WR04. They should also be made aware of their responsibilities in regards to the ongoing protection of the sites. The landowner should also be advised that RPS WR01A and RPS WR01B should be left on the ground and not impacted any further. Despite the scarred trees having been damaged, a 30m exclusion zone is still required for the project layout in this area.*

*In the event that the proposed development footprint changes from that already assessed by RPS (2010), the presence of an archaeologist on site during the micro siting of the turbines and access tracks (prior to construction) should be considered to ensure that any previously unidentified scarred trees or areas of archaeological sensitivity can be avoided where possible.*

In accordance with previous recommendations by RPS (2010) and ERM (2015a; 2015b) this recent survey was undertaken of micro sited turbine and access track areas and facility locations to ensure that any previously unidentified heritage sites or areas of archaeological sensitivity are avoided.

### **3. FIELD SURVEY**

ERM Archaeologist, Janene May, undertook the survey on 8 and 9 October 2015, accompanied by Goldwind's Development Compliance Manager, Jeff Bembrick.

Aboriginal stakeholder representatives were invited to attend the site survey and were scheduled to attend but withdrew the day before the survey, due to other commitments. The representatives agreed to review the findings of the survey.

### 3.1.1 Methodology

The archaeological survey aimed to assess micro sited areas that varied from the original impact area surveyed by RPS (2010). Areas of impact were examined and soil exposures and other areas of increased visibility such as tracks or paths were particularly targeted. ERM was directed over the site and proposed modification areas by Goldwind during the field survey and transects were recorded using a Garmin Oregon GPS. Proposed modification areas were examined, however where visibility was poor transects were walked within areas of exposure or to gain an understanding of the landform.

Where Aboriginal cultural heritage sites were identified they were mapped and recorded by the survey team for content, GPS location, landscape features and digitally photographed. Notes were made of soil conditions, evidence of ground disturbance and possible spatial extent of sites.

Visibility refers to the amount of ground upon which artefacts can be seen. The presence of vegetation, leaf litter and other variables can obscure visibility, which is expressed as a percentage.

An exposure is defined as an area in which ground surface disturbance (usually in the form of erosion) results in the removal of ground cover and soils and permits the detection of archaeological material that was formerly contained within a surface or subsurface context. The level of exposure is determined as a percentage.

Archaeological assessments must employ appropriate methods for prediction to reliably define an area's archaeological content. Frequently, only the eroded component of a larger subsurface deposit is detected and recorded as a site. Where soils are soft, sandy or in boggy conditions, artefacts can occur at greater depths below surface level. Therefore, it is crucial that the nature of an area's soils, sands and geomorphology are defined correctly in an archaeological assessment and the resulting archaeological implications identified. An understanding of these factors, linked further to the notions of site integrity and condition, results in an understanding of an area or site's archaeological potential.

Areas inspected were assessed according to the definitions provided in *Table 2*.

**Table 2** *Definitions of Archaeological Potential.*



<b>Rank</b>	<b>Definition</b>	<b>Example</b>
Very Low potential	Artefacts are very unlikely to occur in situ.	Eroded landforms, reconstructed landscapes, hazardous landscape, developed areas.
Low potential	Artefacts are not normally found in comparable contexts but could occur in low densities making detection unlikely.	Landforms with no specific focus for use, ie with no water source or undifferentiated slopes.
Moderate potential	Artefacts are known to occur in comparable landforms in detectable densities (~1artefact/m <sup>2</sup> ) and there is possibility for detection.	Landforms with an environmental focus which may have seen seasonal Aboriginal visitation.
High potential	Artefacts are consistently found in comparable landforms or similar environmental contexts and will very likely be found if soil excavation occurs.	Landforms with known environmental focus areas encouraging repeat visitation to specific locale, ie margins of swamp or near high order creeks.



## **4. RESULTS AND ASSESSMENT**




### **4.1 OVERVIEW OF RESULTS**

Several locations where layout modifications are proposed were examined within the Stage 1 Project Area. Transects walked at these locations are shown in *Annex B* and described below in *Table 3*.


**Table 3** *Survey Unit Descriptions*

Survey Unit	Landform	Description	Photograph
1	Gentle Slopes	Survey Unit 1 traverses proposed modification to access track from Kelleys Road to turbine 109 along western boundary of property and then to turbines 110 and 111 and towards 112 and 113. Comprises grazing paddocks with disturbance evident through ploughing, collection and stockpiling of basalt boulders, access tracks and farm dams, planting of pine tree shelter belts and various other farming activities. Generally a very poor level of ground surface visibility but some visibility within exposures along fences and access tracks, near farm dams and in areas of soil erosion. Scattered trees are present in some locations.	
2	Slopes	Survey Unit 2 traverses area adjacent to Kelleys road where construction facilities are proposed and for a modified track route to the north on moderately inclining slopes south of turbine 83. Comprises grazing paddocks with disturbance evidence through ploughing, construction of dams and fences and other farming activities. Some basalt outcropping present on slopes south of turbine 83. Generally a very poor level of ground surface visibility but some visibility within exposures around dams and on access tracks. In some places rock outcrops have no soil cover.	

Survey Unit	Landform	Description	Photograph
3	Slopes	<p>Survey Unit 3 traverses existing vehicle track within moderately inclining upper and mid slope landforms at turbine between turbines 76 and 79. Some ground surface visibility is available along an existing vehicle access track and within proximity to fence lines in areas of soil erosion. Disturbance was observed from farming activities such as clearance of woodland vegetation and the development of vehicle tracks and fences.</p>	
4	Gentle slopes	<p>Survey Unit 4 traverses site options for proposed ancillary facilities and access track options north east of turbine 51 close to the potential site entry points from Ilparran Road. Areas assessed included:</p> <ul style="list-style-type: none"> <li>• A northern access route option (Cameron property) had not previously been surveyed and is outside the current project boundary. A Modification Approval is required for this route to form part of the WRWF Stage 1 project. This survey provides the assessment of that option</li> <li>• Two options for a Construction Compound were surveyed on the Dulhunty property <ul style="list-style-type: none"> <li>• One between a farm dam and shed near property entrance</li> <li>• Second further to the west</li> </ul> </li> <li>• a single laydown area was surveyed on the Dulhunty property.</li> </ul> <p>The landform is comprised of gentle slopes within a wider rolling hills landscape. Some scattered trees are present around the proposed facility location. Disturbance was observed due to land clearance, the installation of fences, stockyards, farm dams, sheds, contour drains and vehicle access tracks as well as other farming activities. Some ground surface visibility was present along the existing vehicle access track and in watercourses and a farm dam.</p> <p>One stone artefact (ERM WR01) was identified adjacent to the track on Cameron Property. No other artefacts or areas of archaeological sensitivity were identified.</p> <p>A map of the assessed area for Survey Unit 4 is included in <i>Figure 1</i> following this table.</p>	

Survey Unit	Landform	Description	Photograph
5	Slopes	Survey Unit 5 traverses proposed access tracks around turbines 28 to 29 and from turbine 28 to 30. This Survey Unit traverses upper, middle and lower slopes within a wider rolling hills landscape. Some scattered trees are present. The area has been disturbed by land clearance, access tracks, ploughing and other farming activities. Some areas of erosion of an existing farm access track were evident on steep slope between T28 and T30.	
6	Upper Slope	Survey Unit 6 traverses area around turbine 19 comprised of a bench area on an upper slope landform. Extensive basalt outcropping was observed in this area. Ground surface visibility was generally poor away from areas of rock outcrop. Disturbance in this area was observed including land clearance and other farming activities.	
7	Slope	Survey Unit 7 traverses moderately inclining slope (proposed landowner access track) at turbine 9. It represents the farmer's preferred access route between Turbine s 9 and 10. Ground surface visibility was generally poor. Disturbance in this area was observed including land clearance and other farming activities.	



Survey Unit	Landform	Description	Photograph
8	Gentle Slopes	<p data-bbox="483 300 1491 400">Survey Unit 8 traverses gentle slopes south of Gwydir Highway – the proposed location of facilities and the proposed site entrance at the Gwydir Highway. Locations surveyed included:</p> <ul data-bbox="577 424 1491 600" style="list-style-type: none"> <li data-bbox="577 424 1099 448">• a modified O&amp;M Facilities Building location</li> <li data-bbox="577 461 1429 485">• Areas adjacent access track for Gwydir Highway to northern site office area</li> <li data-bbox="577 497 1491 600">• Roadside area of Gwydir Highway in the vicinity of the Site Entrance and particularly to the east where some road upgrades to provide a turning lane may be undertaken.</li> </ul> <p data-bbox="483 624 1491 764">A creek was identified within proximity to the location of the proposed facilities. Some soil exposures were present along the creek and examined. The area proposed for the site entrance comprises a very highly disturbed road corridor area with very poor ground surface visibility due to dense grass coverage. No areas of archaeological sensitivity were identified.</p>	



*Figure 1 Detail of assessed areas at Survey Unit 4 showing previously approved tracks (blue), current survey transects (green) and proposed ancillary facilities (yellow and pink).*

The results of the surveys for the eight (8) survey units described in *Table 3* are provided below. Only one additional site, ERM WR01, was recorded during the site survey within Survey Unit 4. All other Survey Units were assessed as having Low to Very Low Archaeological Potential and the modifications are not expected to impact Aboriginal Heritage subject to implementation of the Stage 1 Project in accordance with the Cultural Heritage Management Plan, updated to address ERM WR01.

*Table 4 Field Survey Results*

Survey Unit	Details of sites or Aboriginal Heritage identified	Archaeological Potential	Management
1	No heritage sites identified.	Low	Manage in accordance with CMHP.
2	No heritage sites identified.	Low	Manage in accordance with CMHP.
3	No heritage sites identified.	Low	Manage in accordance with CMHP.
4	ERM WR01	Low	Avoid site and fence site prior to and during construction works in accordance with the CHMP (ERM 2015a). If site cannot be avoided, salvage will be required in accordance with the CHMP (ERM 2015a).
5	No heritage sites identified.	Low	Manage in accordance with CMHP.
6	No heritage sites identified.	Low	Manage in accordance with CMHP.
7	No heritage sites identified.	Low	Manage in accordance with CMHP.
8	No heritage sites identified.	Very Low	Manage in accordance with CMHP.

## 4.2 DETAILS OF SITE ERM WR01

The field survey identified one new Aboriginal heritage site (refer to *Photograph 1* and *Annex B*). No historic heritage sites or areas of archaeological sensitivity were identified. The new site, ERM WR01 is described below with completed site card attached in *Annex C*:

Location (GDA94 MGA Zone 56): Easting 362631 Northing: 6704300

ERM WR01 consists of one grey silcrete core artefact. Three flake scars and overhang removal were present on the artefact. The artefact was identified adjacent to a vehicle access track within an area of soil erosion under a tree. The surrounding area comprises a paddock with dense grass coverage. No other artefacts were found within the area. Soils at this location comprise highly disturbed (ploughed) medium brown loose silt. The area has been disturbed by land clearance and farming activities.

*Photograph 1 View towards ERM WR01 (left) and detail of artefact found at ERM WR01 (right) (ERM 2015).*



#### **4.3 ASSESSMENT OF MODIFICATIONS AGAINST SURVEY RESULTS**

All the proposed layout modifications identified with the 8 Survey Units were assessed in respect of potential impacts on Aboriginal Heritage values. Only one site ERM WR01 requires specific avoidance or alternative management measures such as salvage. All other areas of modification do not increase impacts on Aboriginal heritage.

Nevertheless, it is noted that artefacts and/or sites may be identified during construction works and the 'Chance Finds Procedure' in the CHMP (ERM 2015a) should be followed in this instance.

### **5. RECOMMENDATIONS**

In line with the recommendations provided by the original Aboriginal Heritage Impact Assessment report (RPS 2010) and the CHMP (ERM 2015a), it is recommended that:

- the newly recorded site ERM WR01 should be avoided;
- a fence with a 30m buffer should be established around ERM WR01 during construction works to ensure its protection;

- the landowner should be informed of the location and nature of the newly recorded site, ERM WR01; and
- if the Project Approval is modified in respect of the proposed layout modifications that have been assessed in this report, then the Stage 1 Construction Heritage Management Plan is to be updated to reflect the changes and the additional recorded site ERM WR01.

In the event that the proposed development footprint further changes from the areas assessed by RPS (2010) and ERM (2015), the presence of an archaeologist on-site during the micro siting of the turbines and access tracks (prior to construction) should be considered to ensure that any previously unidentified scarred trees or areas of archaeological sensitivity can be avoided where possible.

We trust that this information meets the requirements of Goldwind and OEHL. Should you have any queries please do not hesitate to contact Janene May on 02 8584 8888 or via e-mail at [Janene.may@erm.com](mailto:Janene.may@erm.com).

Yours sincerely,

for Environmental Resources Management Australia Pty Ltd



Janene May  
Heritage Consultant



Murray Curtis  
Partner

## REFERENCES

ERM. 2015a. *White Rock Wind Farm Stage 1 – CEMP Annex F – Construction Heritage Management Plan*. Report to White Rock Wind Farm Pty Ltd.

ERM. 2015b. *Confirmation of the Status of Registered Heritage Sites*. Letter report to Goldwind Australia Pty Ltd.

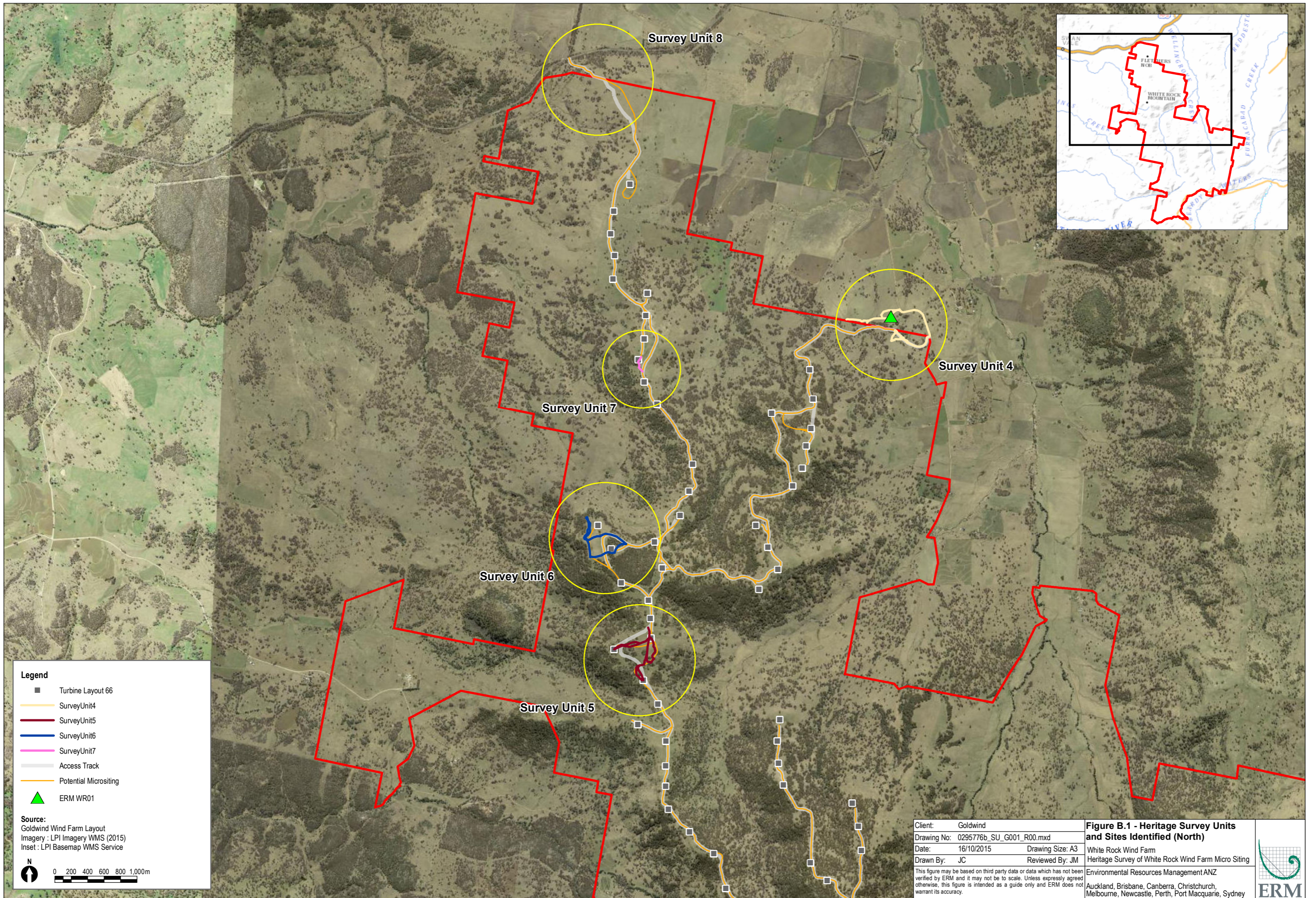
RPS. 2010. *Aboriginal Heritage Impact Assessment – White Rock Wind Farm*. Report to Epuron Pty Ltd.

Annex A

# PROJECT LAYOUT CHANGES

Annex B

# SURVEY UNITS AND HERITAGE SITES IDENTIFIED




**Legend**

- Turbine Layout 66
- SurveyUnit4
- SurveyUnit5
- SurveyUnit6
- SurveyUnit7
- Access Track
- Potential Micrositing
- ▲ ERM WR01

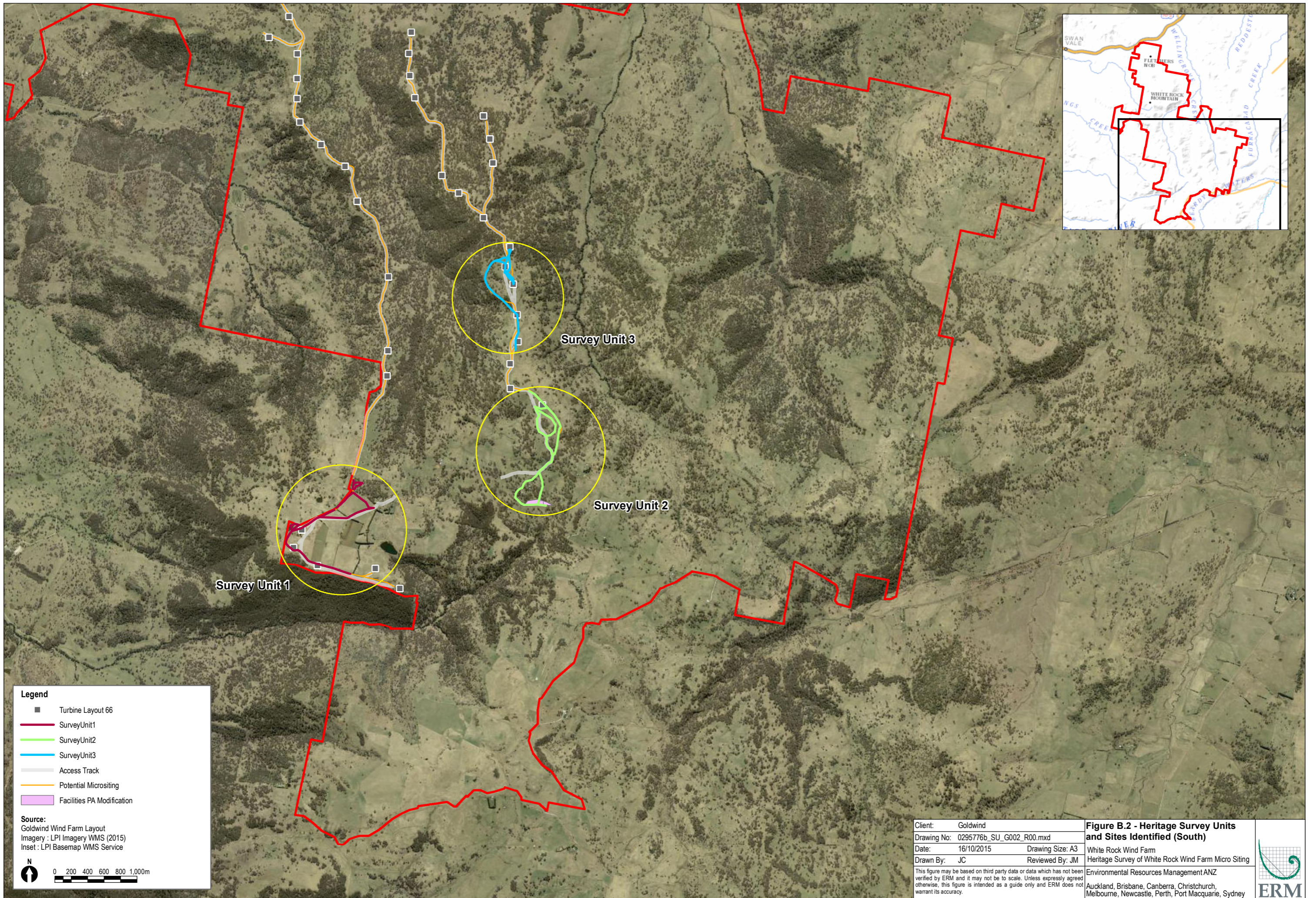
**Source:**  
 Goldwind Wind Farm Layout  
 Imagery : LPI Imagery WMS (2015)  
 Inset : LPI Basemap WMS Service

N  
 0 200 400 600 800 1,000m

Client: Goldwind	<b>Figure B.1 - Heritage Survey Units and Sites Identified (North)</b> White Rock Wind Farm Heritage Survey of White Rock Wind Farm Micro Siting Environmental Resources Management ANZ Auckland, Brisbane, Canberra, Christchurch, Melbourne, Newcastle, Perth, Port Macquarie, Sydney		
Drawing No: 0295776b_SU_G001_R00.mxd			
Date: 16/10/2015			Drawing Size: A3
Drawn By: JC			Reviewed By: JM

This figure may be based on third party data or data which has not been verified by ERM and it may not be to scale. Unless expressly agreed otherwise, this figure is intended as a guide only and ERM does not warrant its accuracy.





**Legend**

- Turbine Layout 66
- SurveyUnit1
- SurveyUnit2
- SurveyUnit3
- Access Track
- Potential Micrositing
- Facilities PA Modification

**Source:**  
 Goldwind Wind Farm Layout  
 Imagery : LPI Imagery WMS (2015)  
 Inset : LPI Basemap WMS Service

N  
 0 200 400 600 800 1,000m

Client:	Goldwind	<b>Figure B.2 - Heritage Survey Units and Sites Identified (South)</b>
Drawing No:	0295776b_SU_G002_R00.mxd	
Date:	16/10/2015	White Rock Wind Farm
Drawn By:	JC	Heritage Survey of White Rock Wind Farm Micro Siting
	Reviewed By: JM	Environmental Resources Management ANZ
<small>This figure may be based on third party data or data which has not been verified by ERM and it may not be to scale. Unless expressly agreed otherwise, this figure is intended as a guide only and ERM does not warrant its accuracy.</small>		<small>Auckland, Brisbane, Canberra, Christchurch, Melbourne, Newcastle, Perth, Port Macquarie, Sydney</small>



Annex C

# ERM WR01 SITE CARD



# Aboriginal Site Recording Form



AHIMS Registrar  
PO Box 1967, Hurstville NSW 2220

### Office Use Only

Site Number

Date received  /  /  Date entered into system  /  /  Date catalogued  /  /

Entered by (I.D.)

### Information Access

Gender/male  Gender/female  Location restriction  General restriction  No access

### For Further Information Contact:

#### Nominated Trustee

Title	Surname	First Name	Initials
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Organisation <input type="text"/>			
Address <input type="text"/>			
Phone number <input type="text"/>		Fax <input type="text"/>	

#### Knowledge Holder

Title	Surname	First Name	Initials
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Organisation <input type="text"/>			
Address <input type="text"/>			
Phone number <input type="text"/>		Fax <input type="text"/>	

### Aboriginal Heritage Unit or Cultural Heritage Division Contacts

Office Use Only

Client on system

Client on system

### Geographic Location

Site Name

Easting  Northing  AGD/GDA

Mapsheet

Zone  Location Method

Other Registration

### Primary Recorder

Title	Surname	First Name	Initials
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Organisation <input type="text"/>			
Address <input type="text"/>			
Phone number <input type="text"/>		Fax <input type="text"/>	

Date recorded

Client on system



**General Site Information**

**Closed Site**

**Shelter/Cave Formation**

- Boulder
- Wind erosion
- Water erosion
- Rock collapse

**Rock Surface Condition**

- Boulder
- Sandstone platform
- Silica gloss
- Tessellated
- Weathered
- Other platform

**Condition of Ceiling**

- Boulder
- Sandstone platform
- Silica gloss
- Tessellated
- Weathered
- Other platform

**Shelter Aspect**

- North
- North East
- East
- South East
- South
- South West
- West
- North West

**Open Site**

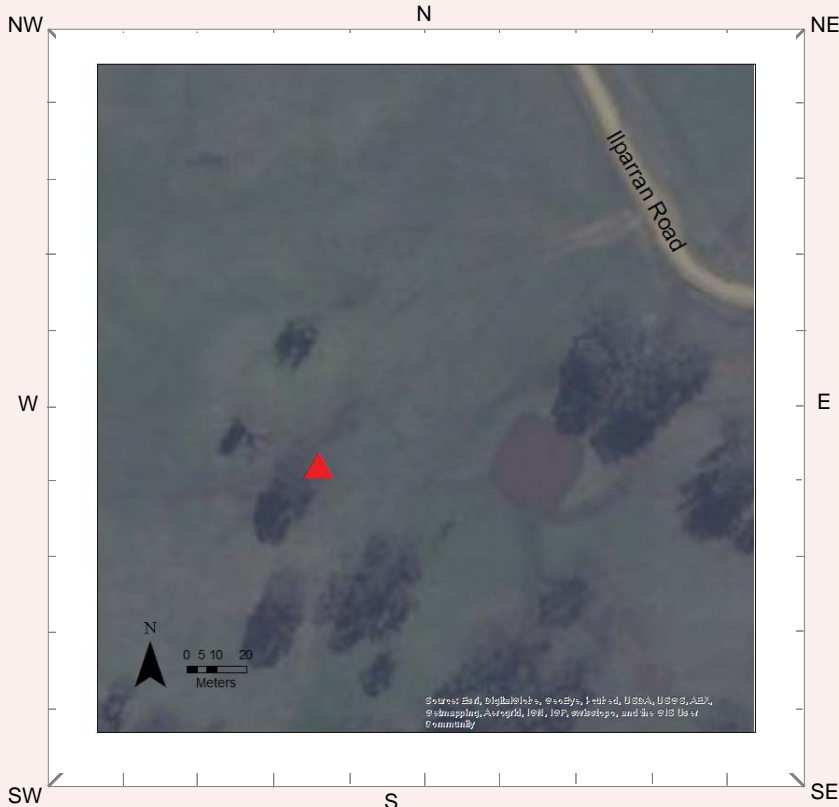
**Site Orientation**

- N-S
- NE-SW
- E-W
- SE-NW
- N/A

**Features**

- 1. Aboriginal Ceremony & Dreaming
- 2. Aboriginal Resource & Gathering
- 3. Art
- 4. Artefact
- 5. Burial
- 6. Ceremonial Ring
- 7. Conflict
- 8. Earth Mound
- 9. Fish Trap
- 10. Grinding Groove
- 11. Habitation Structure
- 12. Hearth
- 13. Non Human Bone & Organic Material
- 14. Ochre quarry
- 15. Potential Archaeological Deposit
- 16. Stone Quarry
- 17. Shell
- 18. Stone Arrangement
- 19. Modified Tree
- 20. Water Hole

**Site Plan** Indicate scale, boundaries of site, features



**Site Dimensions**

**Closed Site Dimensions (m)**

- Internal length
- Internal width
- Shelter height
- Shelter floor area

**Open Site Dimensions (m)**

- Total length of visible site
- Average width of visible site
- Estimated area of visible site
- Length of assessed site area

**Aboriginal Community Interpretation and Management Recommendations**

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**Preliminary Site Assessment**

**Site Cultural & Scientific Analysis and Preliminary Management Recommendations**

Site is not rare within a local or regional context and is within a disturbed context. Considered to have a low level of scientific significance.

Preliminary recommendations:

- the newly recorded site ERM WR01 should be avoided;
- a fence with a 30m buffer should be established around ERM WR01 during construction works to ensure its protection;
- the landowner should be informed of the location and nature of the newly recorded site, ERM WR01; and
- if the Project Approval is modified in respect of the proposed layout modifications that have been assessed in this report, then the Stage 1 Construction Heritage Management Plan is to be updated to reflect the changes and the additional recorded site ERM WR01.

This section should only be filled in by the Endorsees

**Endorsed by:**  Knowledge Holder  Nominated Trustee  Native Title Holder  Community Consensus

Title	Surname	First Name	Initials
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Organisation	<input type="text"/>		
Address	<input type="text"/>		
Phone number	<input type="text"/>	Fax	<input type="text"/>

**Attachments (No.)**

- A4 location map
- B/W photographs
- Colour photographs
- Slides
- Aerial photographs
- Site plans, drawings
- Recording tables
- Other
- Feature inserts-No.

**Comments**

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Site I.D.  Site Name

First recorded date  Importance

No. of instances

Recorded by

Yes No

Stone artefacts only

Artefacts collected

Permit issued

**Percentage of Non-stone Artefacts to Percentage of Stone Artefacts**

0-9% 10-19% 20-29% 30-39% 40-49% 50-59% 60-69% 70-79% 80-89% 90-100%

**Feature Context & Condition**

Scatter No.  Easting  Northing

**Density** (Artefact count per square metre)

**Dimensions** Length (m)  Width (m)  Depth (m)

Yes No

In situ

Stratified

**Feature Condition**

**General Condition**

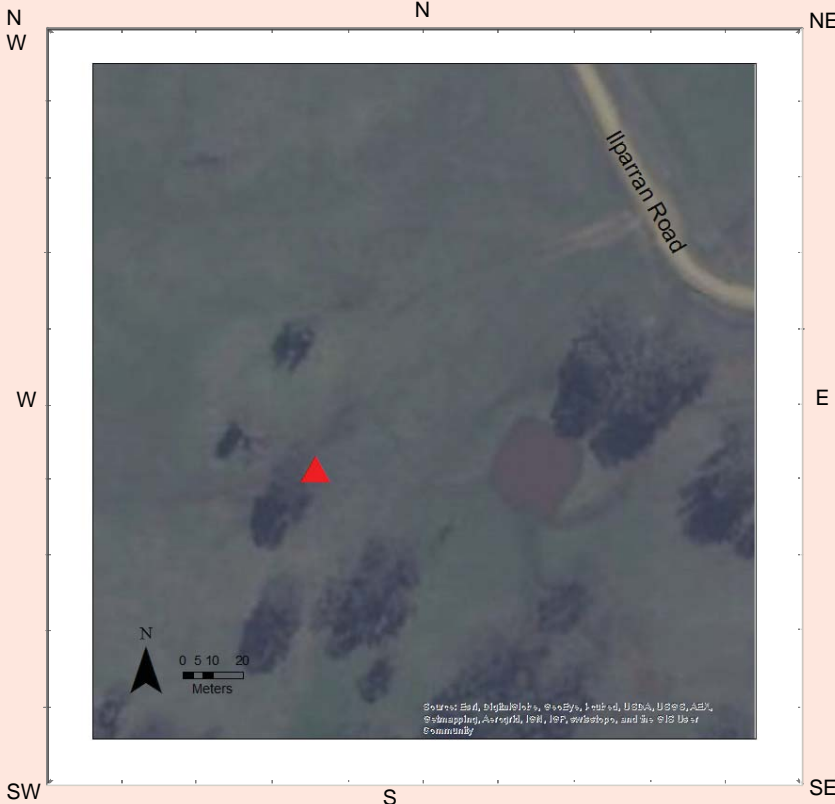
**Recommended Action**

- Very good
- Good
- Poor

- Weathered
- Vehicle damage
- Surface water wash
- Fire damage
- Erosion
- Stock damage
- Exposed archaeological material

- Boardwalk
- Fencing
- Closure to public
- Continued inspection
- Fire hazard reduction
- Expert assessment
- Meeting with land manager
- Revegetation
- Signage
- Soil erosion control
- Track closure/re-routing
- Additional recording

**Feature Plan** (Indicate scale, location of instances)



**Feature Environment**

(Complete when feature environment differs to site environment, use attributes from cover card, p. 2)

Land form

Land form unit

Slope

Vegetation

Land use

**Water**

Distance to permanent water source  metres

Distance to temporary water source  metres

Name of nearest permanent water source

Name of nearest temporary water

### Stone Artefact

Instance No.	Recording Date	Artefact Material	Artefact Type	Platform Surface	Platform Type	Termination	Cross Section	Length (mm)	Width (mm)	Thickness (mm)
1	09/10/2015	Silcrete	Core	More than one	Bipolar	NA	Irregular	4.1	2.3	1.6

### Other Artefact Type

Instance No.	Recording Date	Artefact Material	Artefact Type	Description	Length (mm)	Width (mm)	Thickness (mm)

<b>Material</b>	<b>Artefact Description</b>	<b>Platform Surface</b>	<b>Termination</b>
Basalt Chert Fine grained siliceous Granite Quartz Quartzite Sandstone Silcrete Green glass Amber glass Amethyst glass	Clear glass Ceramic Porcelain Tin can Wire Nail Button Shell Bone Wood Resin	Adze Anvil Axe Backed blade Blade Core Core tool Cyclon Distal fragment Eloura Flake Flake tool Flaked piece Hammerstone Manuport Milling slab Mortar Muller Nuclear tool Pirri Proximal fragment Tula Other diagnostic type Modified Unworked	Cortex Flake scar More than one flake scar Faceted Ground Indeterminate Bipolar
		<b>Platform Type</b>	<b>Cross Section</b>
		W Focal Shattered Indeterminate Bipolar	High/strong High/weak Low/weak Irregular

Comments:

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Site I.D.  Site Name

First recorded date  Importance  Aboriginal Information Recorded?

No. of instances

Recorded by

**Feature description**

No. of scars

No. of carved panels

**Feature Condition**

Very good

Good

Poor

Easting  Northing

**Condition**

Weathered

Ringbarked

Fire damage

Vehicle damage

Insects/termites

Rot

Limb fall

Stock damage

**Recommended Action**

Fencing

Closure to public

Continued inspection

Expert assessment

Fire hazard reduction

Insect removal

Meeting with land manager

Rubbish removal

Signage

Tree health assessment

Track closure/re-routing

Additional recording

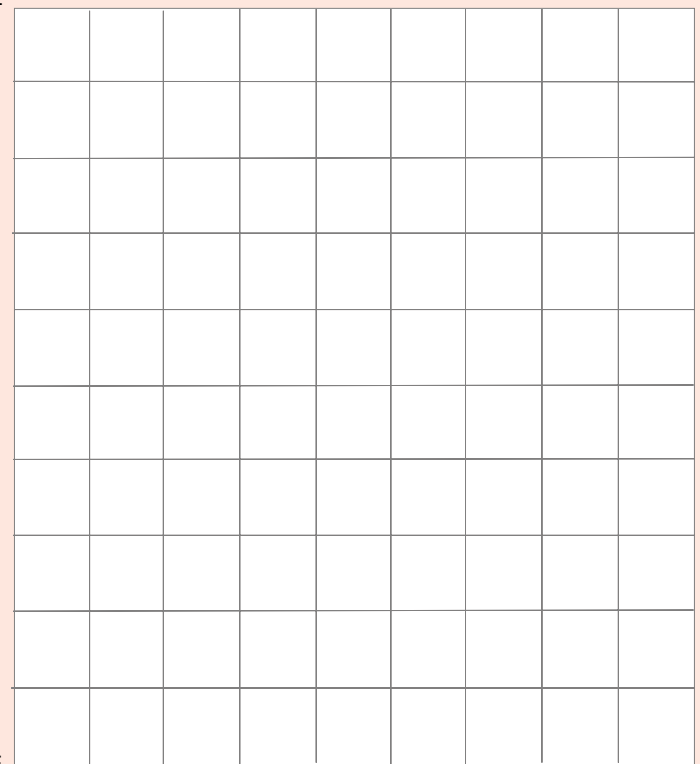
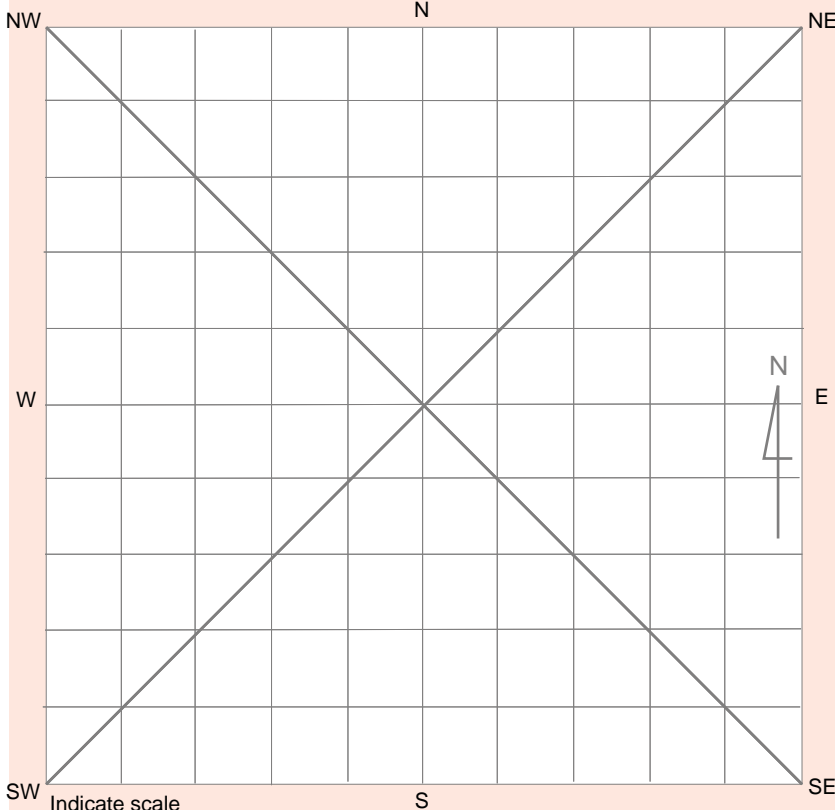
**Feature environment**

(Complete when *feature* environment differs to *site* environment, use attributes from cover card, page 2)

<input type="text"/>	Land form	<b>Water</b>	
<input type="text"/>	Land form unit	Distance to permanent water source	<input type="text"/> metres
<input type="text"/>	Slope	Distance to temporary water source	<input type="text"/> metres
<input type="text"/>	Vegetation	Name of nearest permanent water source	<input type="text"/>
<input type="text"/>	Land use	Name of nearest temporary water	<input type="text"/>

**Feature Location Plan**

**Scar/Carved Panel Drawing**



Indicate scale

Attach additional drawings

Instance No.	Recording Date	Type	Species	Living Status	Tree Status	Regrowth	Length of Scar	Width of Scar	Depth	Height Above Ground	No. of Scars	Shape	No. of Carved Panels	Carving Type	Orientation	Axe Marks	

Type of Tree	Tree Species	Living Status	Tree Status	Regrowth	Scar Shape	Carving Type	Axe Marks	Orientation
Carved Tree	Eucalypt	Dead	Standing	Yes	Oval	Linear	Metal	North East
Scarred Tree	Red Gum	Alive	Lying down	No	Rectangular	Geometric	Stone	East
Carved/Scarred Tree	Angotha	Dying	Partially felled		Square	Pictorial	Indeterminate	South East
Tree			Subject to salinity		Round			South
					Other			South West
								West
								North West
								North

**Comments:**

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Site I.D.  Site Name

First recorded date  Importance  Aboriginal Information Recorded?

No. of instances

Recorded by

**Feature Description**

Type of Grinding Feature  Broad  Narrow/point  Hollow  Flat

Profile Shape  'U' shaped  'V' shaped  Flat

Seed Species Present

Groove Function

Recording date

Dimensions

<b>Smallest</b>	<b>Largest</b>	
Length (mm) <input type="text"/>	Length (mm) <input type="text"/>	Groove count <input type="text"/>
Width (mm) <input type="text"/>	Width (mm) <input type="text"/>	Cluster count <input type="text"/>
Depth (mm) <input type="text"/>	Depth (mm) <input type="text"/>	

**Feature Context & Condition**

Easting  Northing

Dimensions of Whole Feature  Length (m)  Width (m)

**Feature Condition**

- Very good
- Good
- Poor

**General Condition**

- Weathered
- Vandalised

**General Condition ctd**

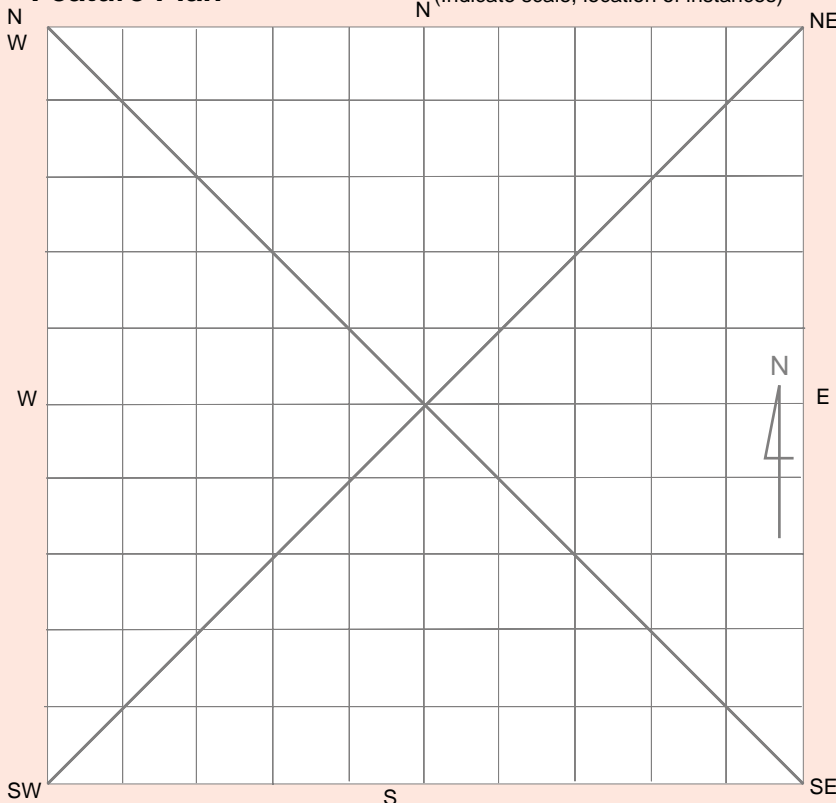
- Fire damage
- Surface water wash
- Graffiti
- Vehicle damage
- Erosion
- Stock damage

**Recommended Action**

- Boardwalk
- Cage/barrier/fencing
- Closure to public
- Continued inspection
- Expert assessment
- Graffiti removal
- Meeting with land manager
- Revegetation
- Rubbish removal
- Signage
- Erosion control
- Track closure/re-routing
- Additional recording

**Feature Plan**

(Indicate scale, location of instances)



**Feature Environment**

(Complete when *feature* environment differs to *site* environment, use attributes from cover card, p. 2)

Land form

Land form unit

Slope

Vegetation

Land use

**Water**

Distance to permanent water source  metres

Distance to temporary water source  metres

Name of nearest permanent water source

Name of nearest temporary water

Site I.D.  Site Name

First recorded date  /  /  Importance  Aboriginal Information Recorded?

No. of instances

Recorded by

**Feature Context & Condition**

Easting  Northing

Pigment  Engraved  Super-impositioning

<b>Artwork Condition</b>	<b>General Condition</b>	<b>Recommended Action</b>	
<input type="checkbox"/> Very good	<input type="checkbox"/> Weathered	<input type="checkbox"/> Boardwalk	<input type="checkbox"/> Rubbish removal
<input type="checkbox"/> Good	<input type="checkbox"/> Vandalised	<input type="checkbox"/> Cage/barrier/fencing	<input type="checkbox"/> Signage
<input type="checkbox"/> Poor	<input type="checkbox"/> Surface water wash	<input type="checkbox"/> Closure to public	<input type="checkbox"/> Erosion control
	<input type="checkbox"/> Mineralisation	<input type="checkbox"/> Continued inspection	<input type="checkbox"/> Track closure/re-routing
	<input type="checkbox"/> Graffiti	<input type="checkbox"/> Dripline	<input type="checkbox"/> Additional recording
	<input type="checkbox"/> Fire damage	<input type="checkbox"/> Expert assessment	
	<input type="checkbox"/> Insects/termites	<input type="checkbox"/> Fire hazard removal	
	<input type="checkbox"/> Erosion	<input type="checkbox"/> Graffiti removal	
	<input type="checkbox"/> Stock	<input type="checkbox"/> Insect/bird nest removal	
	<input type="checkbox"/> Unstable structure	<input type="checkbox"/> Meeting with land manager	

**Feature Environment** (Complete when *feature* environment differs to *site* environment, use attributes from cover card, p. 2)

<input type="text"/>	Land form	<b>Water</b>	
<input type="text"/>	Land form unit	Distance to permanent water source	<input type="text"/> metres
<input type="text"/>	Slope	Distance to temporary water source	<input type="text"/> metres
<input type="text"/>	Vegetation	Name of nearest permanent water source	<input type="text"/>
<input type="text"/>	Land use	Name of nearest temporary water	<input type="text"/>

**Art Sketch Plan** Sketch and number motif groups



Site I.D.  Site Name

First recorded date  /  /  Importance  Aboriginal Information Recorded?

No. of instances

Recorded by

**Feature Context & Condition**

Easting  Northing

Dimensions of Whole Feature  Length (m)  Width (m)  Depth (m)

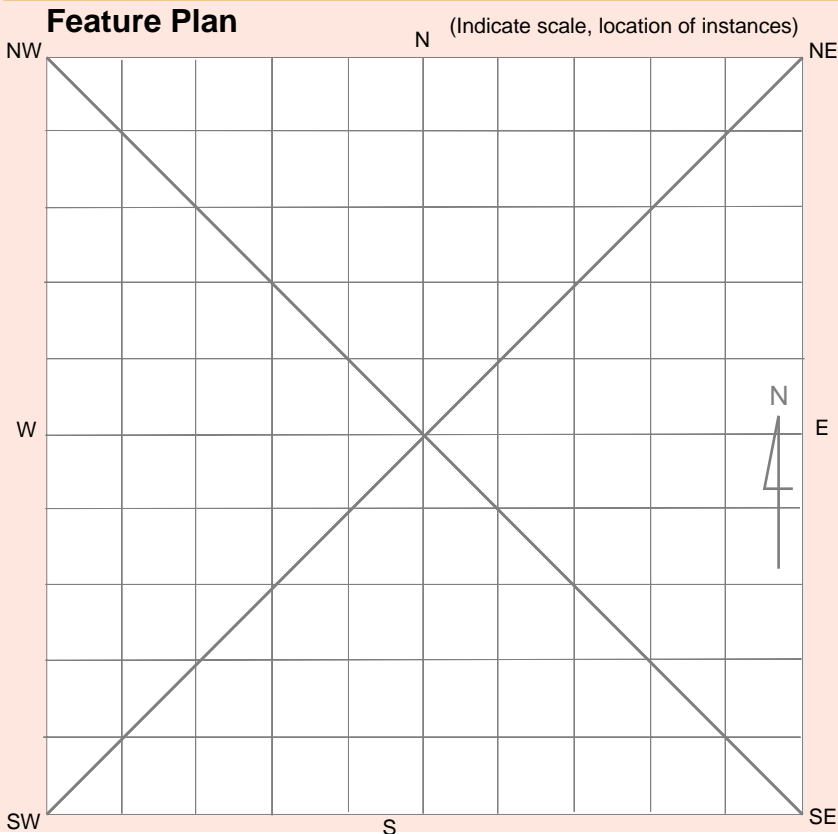
**Shell Distribution**

Surface scatter  Distance to high water mark (m)

Stratified deposit

Mounded

<b>Feature Condition</b>	<b>General Condition ctd</b>	<b>Recommended Action</b>	
<input type="checkbox"/> Very good	<input type="checkbox"/> Fire damage	<input type="checkbox"/> Boardwalk	<input type="checkbox"/> Revegetation
<input type="checkbox"/> Good	<input type="checkbox"/> Vehicle damage	<input type="checkbox"/> Cage/barrier/fencing	<input type="checkbox"/> Rubbish removal
<input type="checkbox"/> Poor	<input type="checkbox"/> Insects/termites	<input type="checkbox"/> Closure to public	<input type="checkbox"/> Signage
<b>General Condition</b>	<input type="checkbox"/> Erosion	<input type="checkbox"/> Continued inspection	<input type="checkbox"/> Erosion control
<input type="checkbox"/> Weathered	<input type="checkbox"/> Stock damage	<input type="checkbox"/> Expert assessment	<input type="checkbox"/> Track closure/re-routing
<input type="checkbox"/> Vandalised	<input type="checkbox"/> Unstable structure	<input type="checkbox"/> Fire hazard removal	<input type="checkbox"/> Additional recording
<input type="checkbox"/> Surface water wash	<input type="checkbox"/> Exposed bone material	<input type="checkbox"/> Graffiti removal	
<input type="checkbox"/> Mineralisation	<input type="checkbox"/> Exposed archaeological material	<input type="checkbox"/> Meeting with land manager	
<input type="checkbox"/> Graffiti		<input type="checkbox"/> Insect/bird nest removal	



**Feature Environment** (Complete when *feature* environment differs to *site* environment, use attributes from cover card, p. 2)

Land form

Land form unit

Slope

Vegetation

Land use

**Water**

Distance to permanent water source  metres

Distance to temporary water source  metres

Name of nearest permanent water source

Name of nearest temporary water

