Attachment 5

Cultural Heritage Assessment
Report on the Preliminary Cultural Heritage Assessment of the Wolffdene Quarry Expansion

Prepared for Hanson Construction Materials Pty Ltd by Jabree Limited

April 2013
Table of Contents

Table of Contents...........................................................................2

1 Executive summary .................................................................3

2 Introduction .............................................................................4

3 Project description and site location .........................................4

4 Cultural Heritage Assessment ..................................................6
   4.1 Desktop review - Aboriginal cultural heritage .....................6
   4.2 Site Visit and Assessment ..................................................8

5 Conclusion ................................................................................9

Abbreviations

ACHA        Aboriginal Cultural Heritage Act 2003 (Qld)
DATSIMA     Department of Aboriginal and Torres Strait Islander and Multicultural Affairs (Qld)
GCNTG       Gold Coast Native Title Group
GSV         Ground Surface Visibility

Acknowledgement

Jabree Limited acknowledges the support of Mr J Gamack from JGCO Services in preparation of this report and supply of the photographs used.

Coverplate

View of the Hanson working quarry within lots 1CP893562 and 2RP167150 – facing approximately northwest.
1 Executive summary

Hanson Construction Materials Pty Ltd proposes to expand their existing quarry site at 145 Harts Road, Luscombe.

This cultural heritage assessment details the desktop assessment, site assessment and recommendations for the project area defined as the Wolffdene Quarry.

The *Aboriginal Cultural Heritage Act 2003*(Qld) places all persons in Queensland under a duty of care to take all reasonable and practicable measures to ensure they do not harm Aboriginal cultural heritage whenever they undertake an activity. The proposed disturbance to the project area from quarrying activities is considered to be additional surface disturbance under the Cultural Heritage Duty of Care Guidelines. The project is considered a (Category 5) high risk activity to Aboriginal cultural heritage in the area.

In consideration of the ACHA and the assessment findings, the following recommendations are made:

- Jabree Limited and Hanson Construction Materials Pty Ltd develop a Cultural Heritage Management Agreement (CHMA) to address further ground disturbing activities associated with the operation and expansion of the Wolffdene Quarry.
- The CHMA will detail the approach to cultural heritage assessment and archaeological excavations as the quarry site is opened up for further development.
- The CHMA will include a schedule for the delivery of Cultural Heritage awareness and induction sessions to project personnel.
2 Introduction

Jabree Limited was engaged by Groundwork Plus on behalf of Hanson Construction Materials Pty Ltd (Hanson) to undertake a cultural heritage assessment of the proposed expansion of the Wolffdene Quarry, Wolffdene. The project site is a vast area of over 500 hectares to the east of the Albert River and west of the Pacific Motorway, approximately half way between Brisbane and the Gold Coast.

Under the *Aboriginal Cultural Heritage Act 2003* (Qld) (ACHA), Jabree Limited is the Registered Aboriginal Cultural Heritage Body for the Gold Coast Native Title Group QUD346/2006 claim area. The role of Jabree Limited is to represent the Traditional Owners and prepare a report on the cultural heritage issues affecting the site. In doing so, Jabree Limited facilitates all aspects of the work including site visits, technical reporting and agreement development.

3 Project description and site location

Groundwork Plus is preparing to lodge a development application on behalf of Hanson for an extension to the existing extractive industry operation at Wolffdene Quarry, located at 145 Harts Road, Luscombe. The quarry is focussed on the extraction of greywacke for use in construction activities.

The site is included within a Key Resource Area under the *State Planning Policy 2/07: Protection of Extractive Resources* and predominately within the Extractive Industry Precinct on the Yatala Local Area Plan in the Gold Coast City Council Planning Scheme.

The development relates to the continued use of land at Harts Road and Stanmore Road for quarrying and the extension of quarrying and establishment of additional buffer lands on adjoining land.

The existing approved quarry area encompasses the following parcels: Lot 2 RP167150, Lot 1 SP244693, Lot 67 WD1009, Lot 1 CP893559 and Lot 1 CP893562.

The proposed quarry extensions that are the subject of the development application encompasses the following parcels: Lot 2 RP813599, Lot 80 CP893560, Lot 7 CP893561, Lot 2 RP15903, 117 CP893560, Lot 5 CP893561, and Lot 101 CP893561.

This Preliminary Cultural Heritage Assessment Report covers all parcels of land noted above and depicted in Figure 1.
Figure 1 - Wolffdene Quarry Expansion Plan
4 Cultural Heritage Assessment

Aboriginal Cultural Heritage is protected in Queensland under the *Aboriginal Cultural Heritage Act 2003* (the Act). The main purpose of the Act is “to provide effective recognition, protection and conservation of Aboriginal cultural heritage”. Section 23 of the Act places all persons in Queensland under a duty of care to take all **reasonable and practicable measures** to ensure they do not harm Aboriginal cultural heritage (tangible and intangible) whenever they undertake an activity. The Cultural Heritage Duty of Care Guidelines identifies “reasonable and practicable measures for ensuring activities are managed to avoid or minimise harm to Aboriginal cultural heritage” (see s28 of the Act).

The Duty of Care Guidelines assigns risk category ratings to development activities that range from:

- no surface disturbance (Category 1 - low risk of harm to Aboriginal cultural heritage) to
- additional surface disturbance (Category 5 – high risk of harm to Aboriginal cultural heritage).

A consideration of past land use is also a key consideration in determining the likelihood of causing additional surface disturbance.

4.1 Desktop review - Aboriginal cultural heritage

A desktop review of the Department of Aboriginal and Torres Strait Islander and Multicultural Affairs (DATSIMA) Indigenous cultural heritage database was conducted. A total of eight (8) sites have been located to the east of the Wolffdene Quarry Site (see Table 1 below).

A desktop review was also conducted of the Jabree Limited cultural heritage database. A number of surface finds were recently identified during site surveys and excavations at Goldmine Road and Eggersdorf Road, Ormeau.

All recorded cultural heritage sites and recent surface finds have been mapped relative to the project area in Figure 2. DATSIMA sites are recorded in red and Jabree Limited surface finds are recorded in yellow (GR = Goldmine Road and ER = Eggersdorf Road).

**Table 1 – DATSIMA Cultural Heritage Database Finds**

<table>
<thead>
<tr>
<th>DATSIMA Ref</th>
<th>Location</th>
<th>Description</th>
<th>Registered</th>
<th>Registered by</th>
</tr>
</thead>
<tbody>
<tr>
<td>LB:E85</td>
<td>153.23241/-27.74081</td>
<td>Artefact Scatter</td>
<td>1985</td>
<td>G Alfredson</td>
</tr>
<tr>
<td>LB:E86</td>
<td>153.23377/-27.76785</td>
<td>Artefact Scatter</td>
<td>1985</td>
<td>G Alfredson</td>
</tr>
<tr>
<td>LB:E87</td>
<td>153.25684/-27.77417</td>
<td>Artefact Scatter</td>
<td>1985</td>
<td>G Alfredson</td>
</tr>
<tr>
<td>LB:E88</td>
<td>153.25786/-27.77687</td>
<td>Artefact Scatter</td>
<td>1985</td>
<td>G Alfredson</td>
</tr>
<tr>
<td>LB:H15</td>
<td>153.26496/-27.77731</td>
<td>Artefact Scatter</td>
<td>1993</td>
<td>E Crosby</td>
</tr>
<tr>
<td>LB:E95</td>
<td>153.22330/-27.75170</td>
<td>Artefact Scatter</td>
<td>1993</td>
<td>P Kuskie</td>
</tr>
<tr>
<td>LB:E96</td>
<td>153.22230/-27.75530</td>
<td>Artefact Scatter</td>
<td>1993</td>
<td>P Kuskie</td>
</tr>
<tr>
<td>LB:F03</td>
<td>153.25740/-27.80260</td>
<td>Artefact Scatter</td>
<td>1993</td>
<td>P Kuskie</td>
</tr>
</tbody>
</table>
Figure 2 - DATSIMA / Jabree Cultural Heritage Finds
4.2 Site Visit and Assessment

A one hour site visit was conducted in a four wheel drive vehicle on Friday 4th April 2013 and was attended by: Jim Gamack (representing Jabree Limited), Andrew Lyndon (representing Groundwork Plus) and Paul Timmins and Hank (representing Hanson).

The topography of the site ranges from low-lying areas in the vicinity of the unnamed creek (tributary of the Albert River) in Lot 80 on CP893560 to the transmission tower within Lot 2 on RP813599. The tower is approximately 240m above sea level.

A vehicle inspection was undertaken on access tracks in the northern part of the project area with the opportunity to stop for a ground inspection on a half a dozen occasions. Ground Surface Visibility (GSV) was almost zero except within the boundaries of the access tracks. No surface artefacts were identified during the ground inspection. The area was heavily wooded on the slopes with cleared areas up to 50-60 metres above the creek line. Past land use of the Darlington Range area (where the quarry is situated) included banana cultivation on the slopes, sugar cane and arrowroot along the river flats, with dairying and saw-milling supplementing family income1. Andrew Lyndon also noted that cattle grazing has been a feature of past land use for the area.

Based on the definitions for ground / surface disturbance in clause 3 of the Duty of Care Guidelines, surface disturbance caused by past land use detailed above is not consistent with the surface disturbance associated with quarrying. Consequently, the project area is considered to have moderate to good ground integrity and the quarrying activities are considered to be a (Category 5) high risk of harm to Aboriginal cultural heritage in the area.

The table of DATSIMA finds above lists eight artefact scatter sites to the east of the project area. Jabree Limited’s cultural heritage database also records a bora ground complex consisting of three rings 10km southwest of the project area in the vicinity of Waldron and Creamer Roads, Tamborine2. Bora grounds or “rings” are places where bora ceremonies are conducted. The Bora Ceremony “was an important event which involved the initiation of boys (Kippers) into the group as young men”3. The “Tamborine” bora grounds are located close to the pathway of Beaudesert-Beenleigh Road that is etched between the Albert River and the Darlington Range. Jabree Limited has undertaken cultural heritage surveys and excavations at the Yarrabilba Property Development also to the south west of the Wolffdene Quarry. A rock shelter and a series of artefact scatters consisting of hundreds of stone flakes were identified in 2012 (pers comm Wesley Aird).

Given the nature and extent of significant Aboriginal Cultural Heritage sites within the project vicinity and the relatively undisturbed nature of the ground surface, Jabree recommends further cultural heritage assessment of the Wolffdene quarry site.

---

2 Marks, E.N. A List of Bora Grounds in South-East Queensland (Compiled for the Boornong Project), Department of Entomology, University of Queensland, 1970 p108.
5 Conclusion

The proposed disturbance to the project area from quarrying activities is considered to be additional surface disturbance under the Cultural Heritage Duty of Care Guidelines. The project is considered a (Category 5) high risk activity to Aboriginal cultural heritage in the area.

On the basis of the provisions of the ACHA and the findings of this assessment the following recommendations are made:

- Jabree Limited and Hanson Construction Materials Pty Ltd develop a Cultural Heritage Management Agreement (CHMA) to address further ground disturbing activities associated with the operation and expansion of the Wolfdene Quarry.
- The CHMA will detail the approach to cultural heritage assessment and archaeological excavations as the quarry site is opened up for further development.
- The CHMA will include a schedule for the delivery of Cultural Heritage awareness and induction sessions to project personnel.

6 References


- Marks, EN, *A List of Bora Grounds in South-East Queensland (Compiled for the Boornong Project)*, Department of Entomology, University of Queensland, 1970.

- Steele, JG, *Aboriginal Pathways of Southeast Queensland and the Richmond River*, University of Queensland Press, St Lucia, 1983.

- *Aboriginal Cultural Heritage Act (Qld) 2003* and Section 28 Duty of Care Guidelines (Gazettal Date: 16/4/2004).

Limitations and Exceptions of Report

The findings of this report are based on the scope of work as per project brief from the client. No warranties, expressed or implied, are made.

This assessment is based on background research and site survey conducted by Jabree Limited. All conclusions and recommendations made in the report are the professional opinion of Jabree Limited and while normal checking of the accuracy of data has been conducted. Jabree Limited assumes no responsibility or liability for errors in data obtained from regulatory agencies or any other external sources, nor from occurrences outside the scope of this project.

The client acknowledges that this report is for the exclusive use of the client, its representatives and advisers. The client agrees that this report or correspondences will not be, except as set forth herein, used or reproduced in full or in parts for any such promotional purposes, and may not be used or relied upon in any prospectus or offering circular.