

TableT2: Aboriginal Sites Identified During the Field Survey

| Site No. | Point | MGA Easting | MGA Northing | Location | Site Type | Landform | Description | Mitigation |
|----------|--------|-------------|--------------|---|---------------|-------------------------|---|--|
| LEA1 | Object | 0402611 | 6452503 | Mitchell's property on western bank of the Avon River, approximately 400 m west of its confluence with Waukivory Creek. (Approximately 300 m NE of the Fairbairn Rd bridge over the Avon.) | Scarred tree | River bank | This site is a dead eucalypt (species unknown) with a scar on the western side. The scar is approximately 400 mm wide at its widest point, and tapers to a uniform point at the top and extends to a flat bottom, 400 mm from the ground. It is approximately 2.2 m long. The scar is in extremely poor condition with the surface completely decayed and the tree hollowed out within. The scar is not uniform in shape (ovoid at the top but straight horizontal at the base). Its shape suggests that this site is NOT an Aboriginal site, but its poor condition makes conclusive identification unreliable. | Nil required. This site is considered to be too close to the creek bank to be affected. |
| LEA2 | Object | 0402096 | 6449859 | Tiedman's Block (Lucas Energy). Located approx 200 m NE of the ford over the Avon River (just north of its confluence with Dog Trap Creek). | Isolated find | Lower slope, re-entrant | This site consists of a single small silcrete multi-platform core (unifacial). L: 24 mm; W: 7 mm. The site lies within a small re-entrant in the low ridge that runs along the eastern bank of the Avon at this point. Within the re-entrant there is an extensive "L-shaped" contour bank that has been excavated around the eastern and northern sides. Running parallel to, and on the northern side of the contour bank, is an extensive exposure (~5 m wide by 30 m long) where the fill for the bank has been excavated. There is also a small exposure 2 m south and 4 m west of the NE corner of the bank. This is where the artefacts is located. Veg cover is 60% in the exposures; 100% elsewhere. The site is approximately 100 m east of the river bank. | Avoid any ground-breaking activities within a 100 m of this location. It is understood that the proponent is not considering any further development in this area. |

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| | | | | | | | Other lithic material in the exposures consists mainly of ironstone. | |
| LEA3 | Centroid | 0402011 | 6449027 | Tiedman's Block (Lucas Energy). Located on the eastern side of Dog Trap Creek, approx 200 m SE of its confluence with the Avon River. | Artefact scatter | River flat | This site consists of two mudstone (gray) flakes. The site lies approximately 10 m east of the creek bank in a small dry tributary that comes of the eastern side of the creek and then turns SE. The site is located in a very short eroded section out of the tributary's northern bank. Given their location, it is considered that the area overlying this tributary, up to the bank of Dog Trap Creek, is a PAD measuring 20 m E-W and 10 m N-S. | Nil required. This site is considered to be too close to the creek bank to be affected. It is understood that the proponent is not considering any further development in this area. |
| LEA4 | Object | 0398996 | 6442117 | Yates' property (1DP1003762); southern side of Woods Road. The artefact is situated on the road verge next to the western-most fence post next to a timber stock gate at the front of the property. | Isolated find | Gentle lower slope | This site is an isolated find of a core, measuring 32 mm long by 23 mm wide by 10 mm thick. The platform shows a minor amount of cortex, there is a negative flake scar with two scar ridges, a bulb of percussion, and possible usewear on one of the lateral margins. The artefact is formed from a coarse-grained siliceous material that may be silcrete, although it is of a darker, greyish-red than the material seen elsewhere in the Gloucester region. There is very little exposure here except around the fence posts. However, there is extensive ground surface exposure around the shed behind the gate and extending some 20-30 m southwards to where the property's driveway comes close to the eastern boundary fence. It is estimated that the total exposure in this area 50 m ² . Ground surface visibility is | This site was originally identified on 2 October 2008. A subsequent inspection of the site on 10 October 2008 failed to relocate the object, despite it being located in a prominent position. |

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| | | | | | | | estimated to be about 60% in the exposure but 0% elsewhere due to thick pasture cover. | |
| LEA5 | Object | 0398904 | 6440693 | Bosma's property (2DP1003762); on the rising gentle slope approximately 200 m north of Coal Creek. The site is located on an exposure on the northern side of a large tree stump that has been left on a pedestal of eroded soil, 2 m west of the property's eastern boundary fence (adjacent to a large wooded block to the east) and 30 m south of an east-west fence and gate. | Isolated find | Gentle mid-slope | The site is an isolated find consisting of a single single-platform, multi-facial core, measuring 34 mm long by 26 mm wide by 7 mm thick. There is a single negative flake scar and a possible bulb of percussion. Other scars do not show diagnostic features. The site is located on a 4 x 3.5 m (14 m ²) exposure that has a total surface lithic density of approximately 5 lithics/m ² . Other nearby exposures have 20+ lithics/m ² . Ground surface visibility in the exposures is estimated to be about 80%, and only 10% elsewhere due to thick pasture ground cover. | It is understood that the pipeline route is situated approx 10 m west of the fence line. It is recommended that the pipeline route be detoured approximately 20 m further west (around the site) to avoid impacts from trenching and spoil deposition. Should realignment be unfeasible and damage to the site unavoidable, it is considered that collection of the artefact under a s.90 permit is not necessary. |
| LEA6 | Object | 0394945 | 6410460 | Black Camp Road; Farrell's property (35DP95407). On eastern boundary of property adjacent to road reserve. | Artefact Scatter | First order creek, lower foot slope | The site is an artefact scatter consisting of two stone artefacts: a thin mudstone core, measuring 44 mm long by 32 mm wide by 10 mm thick (Plate P10), and an indurated mudstone flake, measuring 24 mm long by 17 mm wide by 8 mm thick. The core has four ridge scars, ripple marks and possible usewear on the right lateral margin. Its platform has been reduced to about 5 mm ² and there is no indication of any bulb of percussion. It retains about 50% cortex. Both artefacts lie on an exposure measuring 10 x 2 m (20 m ²) and there is a fairly dense scatter of surface lithics (50-100/m ²) within the | This site is in the general vicinity of sites LEA7, PAD8, LEH6 and LEH7. It is recommended that the pipeline route avoid this property completely and follow the road easement only. |

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| | | | | | | | exposure, but no other artefacts were found. The artefacts lie about 15 m apart. | |
| LEA7 | Object | 0394770 | 6410201 | Bottle Corner Gully, Black Camp Road; James and Hull's property (122DP526671). It lies about 30 m west of the road's creek crossing and about 2m from the northern creek bank. | Scarred tree | 2nd order creek | The site is a scarred tree that may be of Aboriginal cultural origin. The scar is elliptical or diamond-shaped and non-uniform in shape, and measures 650 mm long by 280 mm wide by 70 mm deep, and the base 480 mm above the ground surface. The surface of the scar is fairly rough and is deteriorating; however it is still intact and there is what appears to be hand-axe cut near the apex. The scar is on the southern side of a large smooth-barked eucalypt (blue gum?). The tree is located on a second order creek that crosses Black Camp Road, running east to west, draining into Black Camp Creek. | This site is in the general vicinity of sites LEA6, PAD8, LEH6 and LEH7. It is recommended that the pipeline route avoid this property completely and follow the road easement only. |
| LEA8 | Objects | 0378005 | 6384593 | Clarence Town Road; Dead Man's Creek crossing. It lies about 140 m north of the road on the west bank of the creek (about 4 m back from the bank edge). | Artefact Scatter | Creek flat | The site is an artefact scatter consisting of two stone artefacts: a white silcrete medial flake, measuring 36 mm long by 14 mm wide by 9 mm thick, and red silcrete flaked piece, measuring 12 mm long by 12 mm wide by 6 mm thick. The only diagnostic features on these objects are flake scar ridges, offering some doubt as to the identification of these objects as artefacts. Both artefacts lie on an exposure measuring 1 x 2 m (2 m ²). No other lithic material was observed. The artefacts lie about 0.5 m apart. The site is considered to be part of a continuous subsurface deposit incorporating LEA9 (130 m south east). | Recommend test excavation along the western bank of Deadmans Creek and collection of surface artefacts. |

| Site No. | Point | MGA Easting | MGA Northing | Location | Site Type | Landform | Description | Mitigation |
|------------------|--------------|--------------------|--------------------|--|------------------|------------|---|---|
| LEA9 | Objects | 0378093 | 6384498 | Clarence Town Road; Dead Man's Creek crossing. It lies about 10 m north of the road on the west bank of the creek (about 4 m back from the bank edge). | Artefact Scatter | Creek flat | The site is an artefact scatter consisting of two white silcrete broken flakes, measuring 13 x 21 x 6 mm and 18 x 15 x 3 mm respectively. The only diagnostic features on these objects are flake scar ridges, offering some doubt as to the identification of these objects as artefacts. Both artefacts lie on an exposure measuring 6 x 4 m (24 m ²) about 4 m north of the roadside fence. Visibility within the exposure is about 70-80%. The artefacts lie about 0.2 m apart. The site is considered to be part of a continuous subsurface deposit incorporating LEA8 (130 m north west). | Recommend test excavation along the western bank of Deadmans Creek and collection of surface artefacts. |
| AHIMS #38-1-0006 | AHIMS Actual | 0397660 0397679 | 6417050 6417220 | Immediately adjacent to Black Camp Road, approx 2 km south of the Stroud-Dungog Road on a flat adjacent to a minor creek. | Bora Ring | Creek flat | This site is recorded in AHIMS as being on the western side of Black Camp Road. It is recorded as a Bora (ceremonial) ring consisting of a circular ditch with a mound inside the ditch. This site was relocated during the survey. It is located at the northern end of creek flats where a creek comes in close proximity to the road. It consists of a ditch (now covered in reeds) encircling an 8 m diameter mound (1 m high). | The pipeline alignment is on the eastern side of the road easement. All works should remain within the road easement to avoid potential damage to the site. Erosion barriers should be erected along the western side of the road, on the rise above the Bora ring, during construction to avoid siltation. |

TableT3: Potential Archaeological Deposits Identified During the Field Survey

| Site No. | Point | MGA Easting | MGA Northing | Location | Site Type | Landform | Description | Mitigation |
|----------|----------------------|------------------|--------------------|---|-----------|-------------------------|---|---|
| PAD1 | Centroid | 404041 | 6450702 | Cole property; northern side of Waukivory Creek, approx 150 m east of the house and sheds. | PAD | Low ridge crest | This PAD is located on a small spur off the low ridge overlooking a billabong and creek flats. The PAD is considered to be 30 m x 20 m. This site is within the general route of a proposed gas spine line. | The spur crest in this area should be avoided. It is recommended that the route of the spine line be moved approximately 20 m westwards to climb the ridge via a shallow re-entrant between two spurs. |
| PAD2 | E extent W extent | 399018 398768 | 6439629 6439872 | Harris' property (417DP753173); southern side of Spring Creek. | PAD | Lower foot slope | The PAD is considered to be a 20 x 20 m area on the southern side of the creek on the low rise to the road. | PAD unavoidable. Recommend test excavation to confirm presence of PAD. |
| PAD3 | Centroid | 399052 | 6439271 | Burnett's property (2DP874695); approximately 110 m SSW of the house on the southern side of Spring Creek (Berrico) Road. | PAD | Spur crest | The PAD lies at the crest of a spur that leads down towards Spring Creek and is situated in a copse at the top of the hill. The area covered by the PAD is estimated to be about 30 m north to south by 30 m east to west, centred over the position above. The ground surface visibility on this slope was 0% due to a very thick layer of pasture grass/fireweed. There were no exposures in this area. | The current proposed route skirts around the SW corner of this PAD. It is recommended that any realignment does not move any further eastwards than the current alignment (and does not impact on the woodland copse at the top of the spur). |
| PAD4 | E extent W extent | 399575 398971 | 6436300 6436391 | Bull Creek crossing, Wards River; Harrison / Grant properties. Southern side of Bull Creek on a small terrace above the creek channel | PAD | Lower gentle foot slope | This PAD is considered to follow the creek channel to a width of 100 m wide to a depth of up to 50 m from the creek bank. | PAD unavoidable. Recommend test excavation to confirm presence of PAD. |
| PAD5 | E extent W extent | 399540 399371 | 6434799 6434689 | Chainy Flat Creek; Chapman property, Wards River (6DP1107984). | PAD | Low ridge crest | This PAD is located on a low rise on the northern side of Chainy Flat Creek. It follows a north westerly direction, and is considered to be 100 x 20 m. | PAD unavoidable. Recommend test excavation to confirm presence of PAD. |

| Site No. | Point | MGA Easting | MGA Northing | Location | Site Type | Landform | Description | Mitigation |
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| PAD6 | E extent W extent | 397686 397206 | 6417213 6417273 | Osborn's property, Black Camp Road (9DP95639 and 681DP95674). This PAD is located where Black Camp Road heads south, then does a sharp right-angle turn to the west. | PAD | Lower foot slopes; creek flats | This PAD is considered to have two parts: a 200 x 50 m section along the gentle foot slope where the road is oriented N-S; and a 400 x 50 m section along the north side of the road where the road is oriented E-W, and includes a long narrow, shallow spur that runs NNE. This PAD is associated with a registered Bora ceremony site and is considered to have a high level of significance. | It is recommended that the gas pipeline remains within the road easement. Recommend retaining archaeologist and Aboriginal community representatives to monitor excavation works in this area of Black Camp Road, under the provisions of an AHMP. |
| PAD7 | Centroid | 396931 | 6417094 | This PAD is situated on Osborn's property on Black Camp Road (676DP1114165) on a long, gentle NW facing spur. | PAD | Gentle, mid-slope | The PAD straddles both sides of the road. It is estimated to be approximately 300 m long by about 30 m wide (9000 m ²). It is truncated by the road easement which has been heavily disturbed. . | It is recommended that the gas pipeline remains within the road easement. However, should the preferred route pass through this PAD, a permit will not be required, but the provisions of an AHMP apply. |
| PAD8 | N extent S extent | 394950 394794 | 6410465 6410318 | This PAD is situated on James and Hull's property, on the western side of Black Camp Road (122DP526671). | PAD | First order creek; lower foot slope | This PAD consists of a 180 x 40 m (7200 m ²) strip encompassing the east-west drainage line north of the house (see Site LEA7) from the boundary fence 60 m west to Black Camp Creek, thence south along the gentle slope fronting Black Camp Creek to the vehicle ford 120 m south. | This PAD is in the general vicinity of sites LEA6, LEA7, LEH6 and LEH7. It is recommended that the pipeline route avoid this property completely and follow the road easement only. |
| PAD9 | N extent S extent | 393075 393137 | 6409146 6409065 | Muddle's property (14DP95008); south side of Cedar Tree Creek on the northern side of Black Camp Road. | PAD | Low-lying spur | This PAD is located on a low spur and is considered to be approximately 150 m long by 80 m wide oriented to the spur. | The pipe line is located within the disturbed road easement and will pass to the south of this PAD; impact is unlikely. |

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| PAD10 | E extent W extent | 391213 391052 | 6407650 6407688 | Western side of (Old) Black Camp Creek Road; southern side of Black Camp Creek | PAD | Low-lying spur crest | This PAD is considered to cover an area of 150 x 80 m oriented with the spur. | The pipe line is located within the disturbed road easement and will pass to the east of this PAD; impact is unlikely. |
| PAD11 | N extent S extent | 389067 389126 | 6395054 6394908 | Allen's property (10DP1040379); eastern side of Boatfall Creek. | PAD | Low ridge crest | This PAD is located on a low ridge that follows the course of the creek. It is considered to be at least 100 m long by 50 m wide, oriented along the ridge | PAD unavoidable. Recommend test excavation to confirm presence of PAD. |
| PAD12 | E extent W extent | 382530 382439 | 6389641 6389658 | James' property (100DP1039833); northern boundary, adjacent to Williams River. | PAD | Low ridge crest | The landform consists of a low E-W ridge along the northern property boundary. It is considered to run the extent of the ridge before it rises sharply on to high hills to the east. | PAD unavoidable. Recommend test excavation to confirm presence of PAD. |
| PAD13 | Centroid | 382073 | 6388896 | O'Keefe's property (151DP1067987), off Holmwood Road. It is located on the northern side of a west-facing spur line, approximately 30 m west of the eastern boundary fence in a relatively cleared corridor through the woodland. | PAD | Low ridge crest | This location appears to be a source of raw material (red silcrete) that is commonly used in the manufacture of stone tools. The site consists of a 5 x 5 m surface scatter of silcrete cobbles and at least one large rock that is mostly buried, indicating the material is <i>in situ</i> and suggests that a seam runs through this location. As such there is the potential that sub-surface indications exist of Aboriginal usage. Due to the cleared corridor, this area was considered by the proponent as an alternative route for the pipeline. However, the original alignment has been retained, thus avoiding this PAD. | Original corridor alignment to be retained along boundary fence. Provisions of AHMP apply. |

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| PAD14 | E extent W extent | 380274 380097 | 6386745 6386726 | This PAD is located on the southern side of Carmichaels Creek, which drains into the Williams River. | PAD | Low ridge crest | PAD consists of a very low ridge on the southern side of creek flats; the property is currently used as horse agistment. It is considered to be 100 x 10 m, oriented with the ridge. | Current alignment of pipeline will pass to the north of this PAD; no impacts are expected. |

Table T4: Historic Heritage Items Identified During the Field Survey

| Site No. | Point | Easting | Northing | Location | Site Type | Landform | Description | Mitigation |
|----------|--------|---------|----------|---|-----------------------|--------------|---|--|
| LEH1 | Object | 398142 | 6429351 | Old 'Wiesmantels Inn' property, 1655 The Buckets Way, Weismantels. It is situated on the eastern side of Buckets Way, approximately 150 m off the side of the road. | Cobb and Co Hut | Low hill top | Since this item is not in the path of the proposed pipeline, it was not inspected. | Nil required. This building is located greater than 100 m outside the proposed alignment (and on the opposite side of the highway) and is therefore not considered to be under threat from the pipeline. |
| LEH2 | Object | 397480 | 6427560 | Wielgosinski's property, Buckett's Way, near Stroud Road (31DP828026). It is situated on the eastern side of Bucketts Way, approx 100 m south of Groom Creek. | European Scarred Tree | Lower slope | The site consists of a single box-type eucalypt tree that was said to have been emblazoned with the initials of Fred Ward (aka Captain Thunderbolt). Although the tree was not seen close up, discussions with the owner indicate that the story is an urban myth and the tree is, in fact, relatively recent regrowth. The size of the bole tends to support that theory. Another local tale is that Groom Creek is so-named because it is where Thunderbolt is said to have groomed his horse. There is no corroborating evidence for this. | Nil required. The current alignment of the pipeline is approximately 80 m west of the item; impact is unlikely. |
| LEH3 | Object | 396564 | 6416168 | Gorton's property, off the western side of Black Camp | Hut and Stockyards | Creek flats | The hut is and end-gabled, rectangular timber hut. The walls are framed with round-log | Nil required under current alignment. This item is located |

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| | | | | Road, west of Stroud (3DP744888). It is situated about 20 m from the road edge. | | | corner posts with top and bottom beams. They are clad with vertical timber slabs (most are missing off the front and side walls, but mostly intact on the rear wall). The roof is clad with corrugated iron and the gables are also clad with several small sheets of corrugated iron. The roof appears to be newer than the rest of the hut since it is framed with sawn timber joists and rafters. There is a single door and window at the front. There is no glass in the window but there is a leaf hinge attached to the frame indicating a timber shutter. There is also the remains of a very small CI water tank and stand at the southern end. About 20 m south of the hut is an old stockyard with newer extensions that may still be in use. Several sections of old timber fence lie around the hut consisting of timber posts with rebates for two rails. A small refuse scatter is located about 5 m south of the hut. | more than 100 m west of the proposed alignment and is not considered to be under any threat from the development. Should realignment be considered in the vicinity of this site any ground-breaking activities should not be conducted within 50 m of the building with preference given to the eastern side of Black Camp Road or within the road easement. |
| LEH4 | Object | 395584 | 6411836 | Fearon and Nosworthy's property on Black Camp Road (103DP570275) | Stockyard | Upper slope | The site consists of a small stockyard measuring about 20 x 10 m with a stock ramp and chute at the southern end. It appears to have had three pens, but many of the fences have fallen down leaving gaps in the structure. It is constructed of 1.5 m high round-log posts (at ~3 m centres) with three split-log rails and a top-rail. All rails are wired to the posts. The stock ramp has a base of coarse rock that was probably covered in loose gravel that has since been washed away. The rock fill is between vertical round log sides. | All care should be taken for construction to avoid impact to this site, which is located within 2 m of the edge of the road. The pipeline may remain within the road easement (on the eastern side of the road) or may detour approx 50 m west of the item to cut the road corner. |

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| LEH5 | Object | 395201 | 6411570 | Farrell's property on the eastern side of Black Camp Road (35DP95407). It lies just north of the confluence of the road and the transmission line easement. | Brick Pile | Lower slope | This site consists of a small pile of red-orange bricks and rocks. The bricks have a "V" notch on one surface and the remains of mortar is still attached. The bricks are stacked in a neat pile indicating that they are not in situ, but probably come from a former house/hut site nearby (location unknown) | Nil required if the pipeline alignment is restricted to the western side of the road easement. This site is not considered to be significant. |
| LEH6 | Object | 394663 | 6410184 | Black Camp Road. James & Hull property (122DP526671) | Hut | Gentle northerly slope | This site consists of a hut that has been added to over many years. It is clad in various state of corrugated iron (walls and roof), has a skillion-form roof, and measures approximately 20 x 4 m. It has a small 'settler's hut' type chimney and a small water tank and stand at the SE end. It appears to have been added-to and now has what appears to be a vehicle bay at the NW end. The hut appears to be serviceable but is showing signs of marked deterioration. The roof cladding at the SE end is held down by the weight of several sawn timber beams lying on top. Several rusting farm implements lie along the rear wall. | This site is in the general vicinity of sites LEA6, LEA7, PAD8 and LEH7. It is recommended that the pipeline route avoid this property completely and follow the road easement only. On the southern side of the un-named creek where LEA7 is located, the route then deviates back into private property to pass between LEH6 and LEH7. |
| LEH7 | Object | 394609 | 6410020 | Black Camp Road. Just off roadside and just south of entry gate into James & Hull's property (122DP526671) | Stockyard | On crest of northerly-facing spur | The stockyard was originally constructed of round log posts with round log rails wired to the posts. Several sections appear to have been either repaired or extended using round log posts with sawn timber rails (also attached by wire). The interior of the yards have been reinforced by wire mesh; the yard appears to be in useable condition though modifications mean that it has only moderate integrity. | This site is in the general vicinity of sites LEA6, LEA7, PAD8 and LEH6. It is recommended that the pipeline route avoid this property completely and follow the road easement only. On the southern side of the un-named creek where LEA7 is located, the route then deviate back into |

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| | | | | | | | | private property to pass between LEH6 and LEH7. |
| LEH8 | Object | 393225 | 6409125 | Black Camp Road; Cedar Tree Creek crossing. Adjacent to Muddle's property and 20 m SE of "Margaret's Folly" | Bridge | 2nd order creek and flats | Site consists of a small vehicular bridge measuring 10 x 3.5 m, consisting of several longitudinal log spans side by side and covered in coarse rubble. There are two large mature eucalypt trees at each corner of the SW end. The base of the northernmost tree has grown over one of the side longitudinal spans suggesting the bridge has been in existence for many years. The bridge is similar to many existing farm-track bridges still evident in the Gloucester region, and is of the same construction style as site LEH9. | This bridge may require removal and upgrade during the road reconstruction project. Further research and a statement of heritage impacts may be required prior to impact to the item. |
| LEH9 | Object | 391638 | 6408132 | (Old) Black Camp Road; road easement adjacent to Muddle property (33DP95007). | Bridge | 3rd order creek | Site consists of a small vehicular bridge measuring 10 x 2.5 m, consisting of several longitudinal log spans side by side and covered in coarse rubble. The central log spans have collapsed making the bridge impassable. The bridge is similar to many existing farm-track bridges still evident in the Gloucester region, and is of the same construction style as site LEH8. | This bridge may require removal and upgrade during the road reconstruction project. Further research and a statement of heritage impacts may be required prior to impact to the item. |
| LEH10 | Centroid | 376589 | 6371963 | Woodberry, Greenways Creek, approx 150 SE of the Hunter Water pipeline crossing over Greenways Creek. | Mound | Creek flats | Site consists of 3 x 3 m earth mound that appears to be the foundations of a former structure that has since been demolished. The mound has battered sides and rises 0.5 m above the surrounding flats. This site is possibly the foundations of a former pump house. No structural remains extant. | This site is not considered to be significant. The existing alignment within the transmission line easement is acceptable. |
| LEH11 | Centroid | 376590 | 6371984 | Woodberry, Greenways Creek, approx 150 SE of the | Bridge | 3rd order creek | Site consists of an old timber bridge over Greenways Creek, measuring 8 x 2 m. Bridge | This site is not considered to be significant. The existing |

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| | | | | Hunter Water pipeline crossing over Greenways Creek. | | | is constructed of timber sleepers over five round-log longitudinal bearers. The sleepers are fastened to the bearers by large-diameter iron spikes. Some sleepers are missing and most of those remaining are decayed to some extent. | alignment within the transmission line easement is acceptable. |

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Plates

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Plate P1: Example of typical (0%) ground surface visibility (Transect 3 on Avon River)



Plate P2: Example of transect where ground surface visibility was <10%
This image is of PAD13 on Transect 46 where silcrete cobbles were found



Plate P3: Example of a large eroded exposure on the banks of a second order creek in Transect 21



Plate P4: The highly damaged scar on the trunk of a dead eucalypt at LEA1



Plate P5: Site view of LEA2. Artefacts are in the eroding bank of a gully draining into the Avon River. Looking NE



Plate P6: One of the grey mudstone flakes found at LEA2



**Plate P7: Site view of LEA3. Artefact is on the downhill side of a long contour bank.
Looking ENE**



Plate P8: Small silcrete core found at LEA3



Plate P9: Site view of LEA4. The artefact is (was) laying beside the gate post. Looking south



Plate P10: A red fine-grained siliceous core found at LEA4



Plate P11: Site view of LEA5. The artefact is lying on the northern (uphill) side of this stump



Plate P12: Core found at LEA5



Plate P13: Location of LEA6. The two artefacts are located on either side of the small drainage line. Exposure is along a vehicle track fording the drainage line.



Plate P14: A white mudstone core found at LEA6



Plate P15: The unusual-shaped scar on a eucalypt tree beside Bottle Corner Gully at LEA7



Plate P16: Site view of LEA8 looking south east. Artefacts are located where the blue folder is lying.



Plate P17: Silcrete artefact found at LEA8



Plate P18: Site view of LEA9. Artefacts are on exposure in bottom left of picture. Looking NNE across ford over Deadmans Creek, next to Clarence Town Road.



Plate P19: Silcrete artefacts found at LEA9



Plate P20: The large eucalypt said to be emblazoned by Captain Thunderbolt.



Plate P21: Hut and Stockyards at LEH3



Plate P22: Stockyard at LEH4



Plate P23: Pile of bricks at LEH5



Plate P24: Hut at LEH6



Plate P25: Stockyards at LEH7



Plate P26: Bridge at LEH9



Plate P27: Bridge at LEH9



Plate P28: Mound at LEH10



Plate P29: Bridge at LEH11

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Appendix A

AHIMS Search Results

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| SITE_ID | SITE_NAME | GRID_REFER | ZONE | EASTING | NORTHING | MAPSHEE | PRIMARY | EVIDENCE | LANDFORM_I | EPRD_ID | STATE_ARCH | BFMC_ID | SHAPE_FID |
|-----------|--------------------------|------------|------|---------|----------|---------|---------|--|------------|---------|-----------------|---------|-----------|
| 37-2-0336 | MAN 31;Mt Arthur North; | AGD | 56 | 398700 | 6421900 | 533 | 1173 | | 257 | 24 | NRS/17798/1/192 | 183 | 1103188 |
| 37-2-0337 | MAN 32;Mt Arthur North; | AGD | 56 | 398700 | 6421800 | 533 | 1173 | | 257 | 24 | NRS/17798/1/192 | 183 | 1103189 |
| 38-1-0003 | Gloucester | AGD | 56 | 402054 | 6457596 | 490 | 1171 | | 257 | 24 | NRS/17798/1/248 | 168 | 1108031 |
| 38-1-0006 | Washpool Bridge; | AGD | 56 | 397660 | 6417050 | 552 | 1173 | | 257 | 24 | NRS/17798/1/248 | 183 | 1108034 |
| 38-1-0008 | Craven;Parkers Road; | AGD | 56 | 402890 | 6442590 | 518 | 1173 | | 257 | 24 | NRS/17798/1/248 | 168 | 1108035 |
| 38-1-0010 | Little Black Camp Creek; | AGD | 56 | 390980 | 6404750 | 552 | 1173 | This site was where a massacre took place.;Sitetype = "Aboriginal Place" removed on;6/11/1997 as site is not a declared AP.; | 298 | 24 | NRS/17798/1/248 | 183 | 1108037 |
| 38-1-0027 | Honey Scarred Tree | AGD | 56 | 401200 | 6425800 | 533 | 1167 | | 257 | 24 | NRS/17798/1/248 | 183 | 1108045 |
| 38-1-0031 | Isolated find no1 | AGD | 56 | 402400 | 6446625 | 490 | 0 | | 162 | 24 | NRS/17798/1/248 | 168 | 1108049 |
| 38-1-0033 | Honey Tree (002) | AGD | 56 | 401160 | 6426300 | 533 | 1167 | | 162 | 24 | NRS/17798/1/248 | 183 | 1108051 |
| 38-4-0148 | Kanwarry; | AGD | 56 | 377350 | 6379580 | 596 | 1173 | This Site is an occupation site.;Sitetype = "Aboriginal Place" removed on;6/11/1997 as site is not a declared AP.; | 298 | 24 | NRS/17798/1/254 | 183 | 1108464 |
| 38-4-0151 | Green Rocks.; | AGD | 56 | 377370 | 6377970 | 596 | 1173 | | 313 | 24 | NRS/17798/1/254 | 183 | 1108467 |
| 38-4-0325 | Tarro; | AGD | 56 | 374900 | 6368750 | 607 | 1167 | NIL.; | 313 | 24 | NRS/17798/1/256 | 194 | 1108639 |
| 38-4-1027 | LimeBurner Ck Rd A1 | AGD | 56 | 387179 | 6394330 | 569 | 1175 | | 313 | 24 | | 183 | 1109330 |

1. Map Name DUNGOG NEWCASTLE 5. Site No. 38-1-6
 2. Scale 1:25 000 1:250,000 6. Site type O. BORA RING.
 3. Grid ref 976b.1705 4943-9967
 4. Site name(s) .. WASHPOOL BRIDGE 7. Classification

8. Air photo ref
 9. Cadastral
 10. Land Status 11.



2. Directions for site relocation

Immediately adjacent to Black Camp Road (off Stroud-Dungog Road) - at Washpool - on Western side of road - on a flat adjacent to a minor creek - approx. 2 km south of the Stroud-Dungog Road along Black Camp Road.

3. Owner 14. Tenant/Manager
 Address Address
 Attitude Attitude

5. Site Description

Circular ditch with a mound inside the ditch.

3 Photographs were sent to the Aust. Museum who contacted you about this Bora Ring.

Reasons for investigation
 Condition
 Interpretation
 Visitation
 Recommendations .. requires further investigation

21. Environmental description of site locality

Occurs on a small flat beside a minor creek.

The area is grassed and is located in a paddock used for grazing.

22. Relation to other sites in locality

23. Details of artifact collections

24. Is plan or diagram of site attached? Yes/No

25. Are annotated photographs attached? Yes/No How many?

26. Other additions

27. Importance of site to Aborigines

28. Source of this information

29. Oral sources of information

MR DON NIX
DMR Superintendent Officer
WASHPOOL BRIDGE SITE

30. Written references

1. Recorded by

BRIAN WYTHES

Filed by

Donnelly

PERMANENT Address

'WOOLWAY'

CARGO, N.S.W. 2800

Date

1/10/81

Date

25.11.81



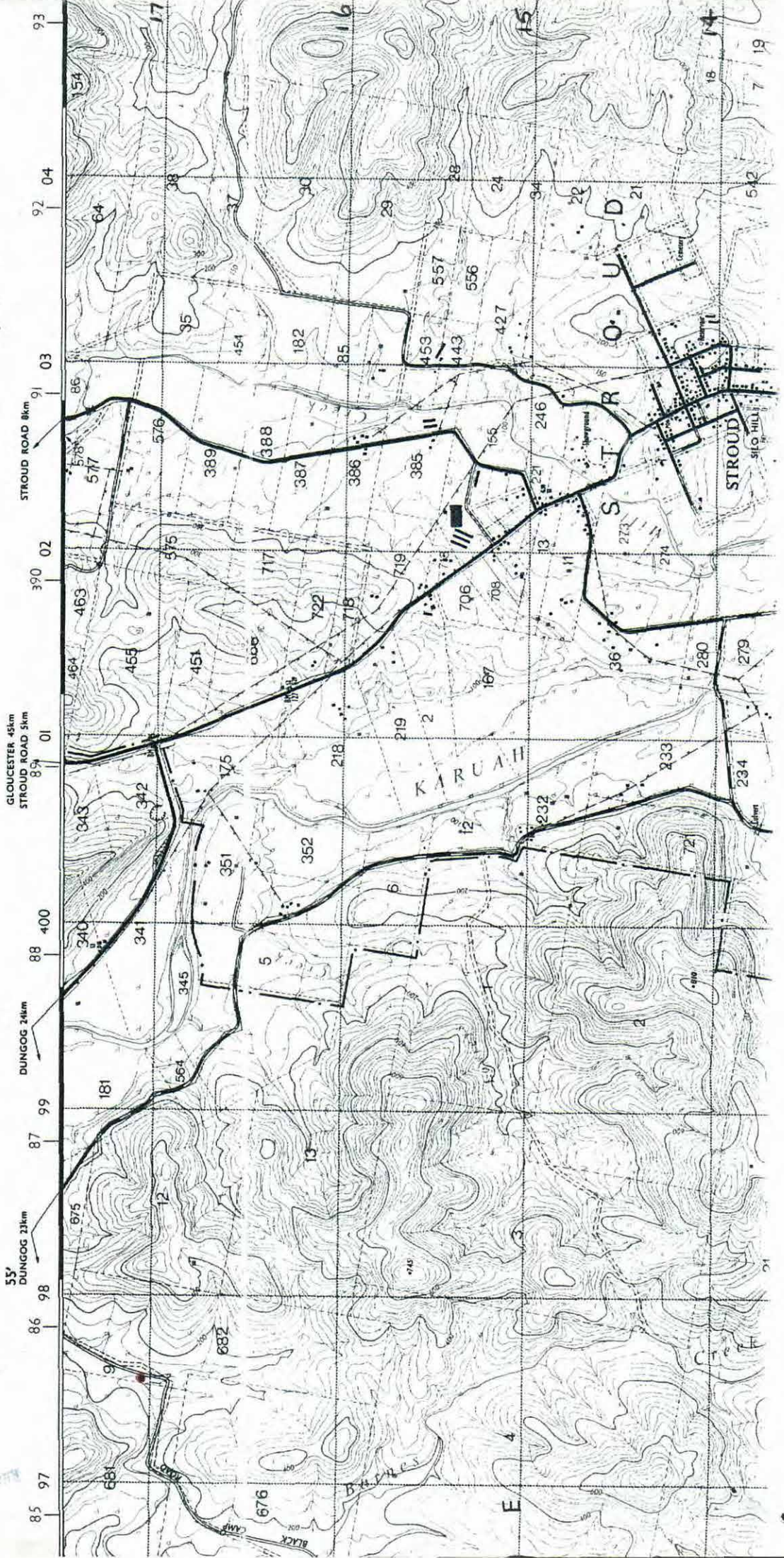
Red dot indicates
location of bora ground.

REGISTER COPY



DUNGOG 9233-1/5 FIRST EDITION

1:25 000



SITE POSITION & ENVIRONMENT

OFFICE USE ONLY: NPWS site no:

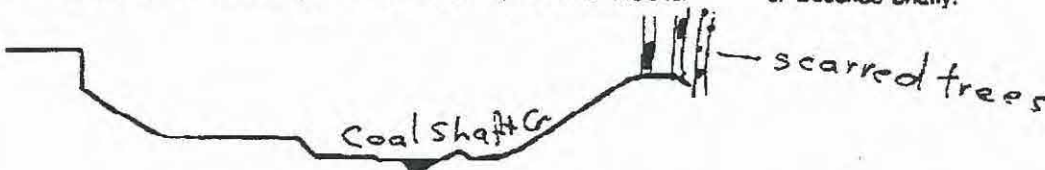
1. Land form a. Beach/hill slope/ridge top, etc:

b. site aspect:

c. slope:

d. mark on diagram provided or on your own sketch the position of the site:

e. Describe briefly:



f. Local rock type: River cobble, Basalt

g. Land use/effect: Some areas under agriculture - cattle grazed.

2. Distance from drinking water: 2 m

Source: Coal Shaft Creek

3. Resource Zone associated with site (estuarine, riverine, forest etc): Low closed forest - remnant rain forest, open grassland, open eucalypt forest

4. Vegetation: Proteaceae, Rosaceae, Lobewaceae, Dilleniaceae, Goodeniaceae, Goodeniaceae, Fabaceae, Epacriaceae, Poaceae, Liliaceae

5. Edible plants noted: Yam, wild cherry, native strawberry, swamp lilly, bracken shoots

6. Faunal resources (include shellfish) flying-fox, wallaby; kangaroo, water-dragon lizards, skinks, platypus, bandicoot possum, ducks, pigeons, parrots, honey

7. Other exploitable resources (river pebbles, ochre, etc): outcrop quarry & cobbles

Site type:

Scarred Trees

DESCRIPTION OF SITE & CONTENTS.

Note state of preservation of site & contents. Do NOT dig, disturb, damage site or contents.

Monkerai Aboriginal site contains a broad range of archaeological remains. Stone artefact types include: anvils, hammerstones, choppers, flake scrapers and cores.

Scarred Trees: Honey trees, Humpy slab trees, Coolamon tree, shield trees (see attached information). The scarred trees occur along an open eucalypt forested ridge, which meets Coal Shaft Creek, remnant rainforest with eucalyptus mix.

CHECKLIST TO HELP:

length, width, depth, height of site, shelter, deposit, structure, element eg. tree scar, grooves in rock.

DEPOSIT: colour, texture, estimated depth, stratigraphy, contents-shell, bone, stone, charcoal, density & distribution of these, stone types, artefact types.

ART: area of surface decorated, motifs, colours, wet, dry pigment, technique of engraving, no. of figures, sizes, patination.

BURIALS: number & condition of bone, position, age, sex, associated artefacts.

TREES: number, alive, dead, likely age, scar shape, position, size, patterns, axe marks, regrowth.

QUARRIES: rock type, cobbles, recognisable artefacts, percentage quarried.

OTHER SITES EG. structures (fish traps, stone arrangements, bone rings, mts mas), mythological sites, rock holes, engraved groove channels, contact sites (missions massacres cemeteries) as appropriate

Attach sketches etc. eg. plan & section of shelter, show relation between site contents, indicate north, show scale.

Attach annotated photos (stereo where useful) showing scale, particularly for art sites.

APPENDIX 1
SCHEDULE OF LAND

Part portion 30, parish of Monkerai, county of Gloucester.

Lot 4 and part lot 3 in DP 595876 at Weismantels, parish of Monkerai, county of Gloucester.

Lot 636 in DP 95742, parish of Monkerai, county of Gloucester.

Lot 705 in DP 95759, parish of Monkerai, county of Gloucester.

Lots 12 and 131 in DP 95773, parish of Monkerai, county of Gloucester.

Lot 125 in DP 95694, parish of Monkerai, county of Gloucester.

Part portion 126 situated on the west bank of Johnsons Creek, parish unnamed, county of Gloucester.

Lot 130 in DP 95768, parish of Monkerai, county of Gloucester.

Lots B and C in DP 160430, parish of Monkerai, county of Gloucester.

Lots 662, 19 and 136 and part lot 40, parish of Monkerai, county of Gloucester and lot 137 situated on the west bank of Johnsons Creek, parish unnamed, county of Gloucester.

Lots 326, 327 and 164 and part lots 79, 40 and 375, parish of Monkerai, county of Gloucester and allotment 71 in the District of Port Stephens.

That part of Dungog to Gloucester railway (also known as the North Coast Railway) commencing at the northern boundary of portion 30, parish of Monkerai, southwards through portion 30 to lot 636 in DP 95742 then in a south easterly direction through lot 636 in DP 95742 to lot 705 in DP 95759, passing in a south easterly direction through lot 705 in DP 95759 to lot 12 in DP 95773, then southwards between lot 12 in DP 95773 and lot 125 in DP 95694, then in a south easterly direction through portion 126 to the west of Johnsons Creek to lot 131 in DP 95773, then generally in a south westerly direction through lot 131 in DP 95773 and lot 130 in DP 95768 to lot C in DP 160430, then southwards through lot C in DP 160430 to lot 662 in the parish of Monkerai, then southwards through lot 662 and lot 136 in the parish of Monkerai and to the southern boundary of lot 137 to the west of Johnsons Creek.

All formed and unformed Crown roads and any unformed public roads located within and adjacent to the above properties.



Aboriginal Sites Register of NSW

NPWS, PO Box 1967, Hurstville NSW 2220
Standard Site Recording Form



38-1-0031

New Recording x Additional information

| | | | | | |
|---|--|-----------------------------|----------|--------------------------------|------------|
| Site name | Isolated find 1 | | | NPWS Site Number | 38-1-0031 |
| Owner/manager | Stratford Coal Pty Ltd. | | | | |
| Owner Address | Stratford Coal Pty Ltd, PO Box 168, GLOUCESTER, NSW 2422. | | | | |
| Location | Isolated find is located on the wall of the easternmost dam (and largest dam) along the short ephemeral watercourse running east to west between the two rises in the study area (see Figure 2 of the archaeologists report on the site recording). | | | | |
| How to get to the site | Access to the site can be gained through gates on North Bowens Road and Wenhams Cox Road, Stratford (permission to access this land is required from the Environmental Manager, Stratford Coal Pty Ltd). | | | | |
| 1:250,000 map name | Newcastle | | | NPWS map code | 38 |
| AMG Zone | 56 | AMG Easting | 402400 | AMG Northing | 64466250 |
| Method for grid reference | Map reading | Map scale (if method = map) | 1:25,000 | Map name | Gloucester |
| NPWS District Name (see map) | N/A | | | NPWS Zone (see map) | N/A |
| Portion no. | 53 | | | Parish | Avon |
| Site type(s) | Isolated find | | | Site type code (NPWS use only) | |
| Description of site and contents CHECKLIST: eg. length, width, depth, height of site, shelter, deposit, structure, element eg. tree scar, grooves in rock. DEPOSIT: colour, texture, estimated depth, stratigraphy, contents-shell, bone, stone, charcoal, density & distribution of these, stone types, artefact types. ART: area of decorated surface, motifs, colours, wet/dry pigment, engraving technique, no. of figures, sizes, patination. BURIALS: number & condition of bone, position, age, sex, associated artefacts. TREES: number, alive, dead, likely age, scar shape, position, size, patterns, axe marks, regrowth. QUARRIES: rock type, debris, recognisable artefacts, percentage quarried | <p>One stone artefact (isolated find 1) was located on the wall of the easternmost dam (and largest dam) along the short ephemeral watercourse running east to west between the two rises in the study area (Figure 2 of the archaeologists report). The artefact is a broken flake (platform missing), 50mm long, 20mm wide and 7mm thick and is made of a fine grained siliceous black stone. No retouch or usewear were evident along the margins.</p> <p>The wall of the dam on which the artefact was found is located 400 metres east of Avondale Creek. The eroded area along the top of the dam wall is approximately 50m x 2m in size. The construction of the dam has caused a high degree of disturbance to a 25m long 50m wide section of the creek channel and adjacent flat. Four other dams have been constructed along the 400 metre long watercourse, down stream of this dam. The total area of disturbance caused by these features is estimated to be 3500m². Stock tracks and cattle pads provide some ground surface visibility along the creek flat between the dams. No other artefacts were located in these areas despite thorough investigation.</p> <p>No photos attached. See the archaeologists report for a map of the site location.</p> <p>Attach photographs and sketches, eg. plan & section of shelter. Do NOT dig, disturb or damage site or contents.</p> | | | | |

Version: June 1998

Data entered by:

Date entered:



Aboriginal Sites Register of NSW

NPWS, PO Box 1967, Hurstville NSW 2220
Standard Site Recording Form

| | | | | | |
|--|--|--------------------------------------|--|--------------------------|--|
| Land form | creekflat | Aspect | N/A | Slope | Gentle (<5 degrees) |
| Mark position of the site | | | | | |
| Local rock type | Permian Craven Coal Measures forming part of the Stroud-Gloucester Syncline and consist of conglomerate, sandstone, mudstone, arkose and coal. | Land use/effect | Stock dam at the location of the isolated find. General vegetation clearance and stock grazing in the vicinity of the isolated find. | | |
| Distance from drinking water | Isolated find located 0-10 metres from an ephemeral creekline and 400 metres east of Avondale Creek. | Source | Avondale Creek appears to be a permanent water source. | | |
| Resource zone (eg. estuarine, river, forest) | Open forest. | Vegetation | Species typical to dry sclerophyll woodlands and marshy heathland. | | |
| Edible plants | Typical species available in riparian woodland, dry sclerophyll woodland and marshy heathland. | Faunal resources (include shellfish) | Kangaroo, wallaby, possum etc. | | |
| Other exploitable resources (eg. ochre) | White clay in creek cuttings may have been used for paint. No stone outcrops observed other than cobbles in creek beds. | | | | |
| Are there other sites in the locality | Yes | Are they in the Sites Register | Yes | Other site types include | Open camp site located 3km to the south and ceremonial sites located in the hills and mountains east and west of Gloucester. |
| Site condition | Poor | | | | |
| Management recommendations | <p>It is recommended that: Prior to development of the open cut, Stratford Coal Pty Ltd will need to obtain a Consent to Destroy Permit for isolated find 1 (IF1). Stratford Coal should allow a period of four to six weeks, for the NPWS to process the permit application. No construction activities involving ground surface disturbance should commence in the vicinity of IF1 without the issue of a permit.</p> <p>Note: Because the study involved no sub-surface excavation then it is not possible to confirm if Aboriginal stone artefacts are absent from the soil profile. The assessment in this report has concluded that there is only a low potential for the presence of this material, therefore archaeological test excavation or monitoring is not recommended. However, as a precaution, it is recommended that: Should relics be discovered during construction work outside of the section for which the Consent to Destroy Permit applies, work should cease and the NSW NPWS be contacted to assess the situation, in consultation with Forster LALC.</p> | | | | |
| Have artefacts been removed from site | No | When | N/A | | |
| By whom | N/A | Deposited at | N/A | | |
| Consent applied for | <input type="checkbox"/> | Consent issued | <input type="checkbox"/> | | |
| Date of issue | | Consent number | | | |



Aboriginal Sites Register of NSW

NPWS, PO Box 1967, Hurstville NSW 2220

Standard Site Recording Form

| | | | |
|---|---|--|---|
| Reason for investigation | Aboriginal site survey of land which would be affected by the proposed Bowens Road North Open Cut Mine. | | |
| Were local Aborigines contacted or present for the recording | <input type="checkbox"/> Not contacted <input checked="" type="checkbox"/> Contacted and present <input type="checkbox"/> Contacted but not present | Names and addresses | Robert Paulson, Culture and Heritage Officer, Forster Local Aboriginal Land Council. PO Box 384, Forster NSW 2428. (ph. 6555 5411). |
| Is the site important to local Aborigines | No | | |
| Verbal/written reference sources | North Bowens Road Open Cut: Aboriginal and non-Aboriginal heritage assessment. Report to Resource Strategies (November, 2000). | ASR report number(s) (or title) | C- C- X |
| Photographs taken | No photos taken of the site. | No. of Photos attached | 0 |
| Site recorded by | Louise Gay and Robert Paulson. | Date of recording | 9.11.2000 |
| Address/institution | Louise Gay, 6 Waterloo Street, Bulli, NSW 2516. Robert Paulson, Forster LALC, PO Box 384, Forster NSW 2428. | | |



37-2-0336



Cultural Resources

NSW
NATIONAL
PARKS AND
WILDLIFE
SERVICE

DATABASE UPDATE SHEET

- REGISTER Site register
- CATALOG Reports catalogue
- FOTODEX Photographic catalogue

| Record ID | Field/variable | New or revised value(s) |
|-----------|----------------|-------------------------|
|-----------|----------------|-------------------------|

37-2-0336

| | | |
|----|-----------|--------------------------|
| 1 | SITENAME | MAN 31 |
| 2 | SITENAME | Mt Arthur North |
| 3 | SITETYPE | 2 = Open camp site |
| 4 | RECORDER | Koettig, N. |
| 5 | RECDATE | 00Jan1984 |
| 6 | DISTRICT | 5 = Upper Hunter |
| 7 | STATUS | 1 = Present in H.O. |
| 8 | ZONE | 56 = ANG Zone 56 |
| 9 | ANG_E | 398700 |
| 10 | ANG_N | 6421900 |
| 11 | MAPSCALE | 7 = 1:25/50/100X convrt |
| 12 | LHDSTAT | 8 = Unknown |
| 13 | RECTYPE | 2 = Standard site record |
| 14 | SITESIZE | |
| 15 | CONDTN | 5 = Totally destroyed |
| 16 | ARCHWRX | 1 = Surface recording |
| 17 | ASSOCREP | C-1203 |
| 18 | DATEUPD | 26Sep1991 |
| 19 | CDESTROY | YES |
| 20 | (Sub-rec) | |

Filled in by: S fields

Date: 27-9-91

Entered by: S fields

Date: 27-9-91

CONSENT TO DESTROY

ISSUED 370002

CONSENT

SITE DESTROY

CONSENT TO CARRY OUT THE DESTRUCTION OF AN ABORIGINAL RELIC/PLACE

NEW SOUTH WALES GOVERNMENT

CONSENT ISSUED UNDER SECTION 90 OF THE
NATIONAL PARKS AND WILDLIFE ACT, 1974 (AS AMENDED)

WHEREAS Aboriginal relics as described in Schedule "A", are situated upon the land described in Schedule "B", and which constitute relics within the meaning of Section 90 of the National Parks and Wildlife Act, 1974 (as amended), and WHEREAS application has been made by:

The Electricity Commission of N.S.W.,
G.P.O. Box 5257,
SYDNEY. N.S.W. 2001

for CONSENT to destroy those relics in the course of:

Development of Mt. Arthur North Coal Lease

NOW I, JOHN FREDERICK WHITEHOUSE, Director of National Parks and Wildlife, do HEREBY by virtue of and in pursuance of Section 90 of the said Act, and subject to the Conditions hereunder set out give my CONSENT as requested by the said applicant.

TERMS AND CONDITIONS OF THIS CONSENT

This Consent is issued subject to General Terms and Conditions covering all archaeological Permits and Consents, as well as the Specific Terms and Conditions pertaining to Consents to Destroy Aboriginal Relics all of which conditions are detailed in the attached pages.

DATED at Sydney this *fifth* day of *August*, 19*86*

John Whitehouse
Director of National Parks
and Wildlife



National Parks and Wildlife Service

Standard Site Recording Form

| MAP NAME | EDITION | SCALE | REFERENCE | REGISTER BODY HEAD OFFICE USE ONLY: |
|---|----------------------------|-----------|-----------|--|
| Singleton SI56-1 | 1st | 1:250,000 | 3958 0035 | NWPS site no: 37-2-336 |
| Muswellbrook 9033-II-N | 1st | 1:25,000 | 3987 6/19 | Site types: open site (artefacts) |
| Site name: MAN 31 | SITE DESTROYED | | | File nos: |
| Local post office: Jerrys Plains 2330 | | | | Report filed with site no: |
| Locality/property name: Mount Arthur North Lease Area | NPWSDistrict: Upper Hunter | | | Region: Central |
| | | | | Classification: Site status: C-D |
| | | | | Filed by: S.W. |
| | | | | Date: 28-10-85 |

Reason for investigation (give H.O. instruction no. or full title of accompanying report where applicable):
 Koettig, M. and Hughes, P.J. 1985 AN ARCHAEOLOGICAL SURVEY OF THE PLASHETT DAM AND THE MOUNT ARTHUR NORTH AND MOUNT ARTHUR SOUTH COAL MINING PROJECT AREAS, HUNTER VALLEY, NSW. A report to ELCOM NSW and MOUNT ARTHUR SOUTH COAL PTY LTD. G1203

| | | |
|-----------------------------------|---|---|
| Portion no: | Other land category: | Plan/sketch/section of site attached? Yes/No. |
| Parish: Brougham | County: Durham | How many? |
| Air photo refs. (for stereo pair) | Annotated photos attached? Yes/No | |
| | | How many? |
| Condition of site: | Causes of damage/disturbance/threat to site: (Fill in separate management/protection recommendations sheet if necessary) | |

How to get to the site (refer to permanent features, give best approach to site eg. from above, below, along cliff. Draw diagram on separate sheet if necessary)

See report.

**PERMIT TO DESTROY
ISSUED 370002**

| | |
|---|---|
| Other sites in locality? Yes/No | Site Types include: Surface scatter of stone artefacts, grinding grooves. |
| Are sites in NPWS Register? Yes/No | Unregistered sites-plans for future recording? Yes/No. |
| Have artefacts been removed from site? Yes/No/don't know | When? |
| By whom? | Deposited where? |
| Is site important to local Aborigines? Yes/No/don't know. | Statement of interest in the project prepared by the Sites Committee of the Wanaruah Local Aboriginal Land Council. |
| Give contact(s) name(s) + address(es) | |
| Contacted for this recording? Yes/No. | |
| (Attach additional information separately) If not, why not? | |

Verbal/written reference sources:

| | |
|---|--------------------|
| Site recorded by: M. Koettig | Date: January 1984 |
| Address/Institution: ANU Archaeological Consultancies, ANUTECH Pty Ltd, GPO Box 4, CANBERRA CITY ACT 2601 | |

HUNTER VALLEY - OPEN SITES

Site No. MAN 31 Survey Area Mt Arthur North

Map Sheet Name & Grid Ref _____ Name(s) of recorder(s) MK

1:250,000 3958 0035 Singleton

1:25,000 987 219 Muswellbrook

Level of Recording: Total Sample Summary

ENVIRONMENTAL SETTING

| | <u>Cross</u> | <u>Name</u> | | <u>Cross</u> |
|-----------------------------|-------------------------------------|---------------|-------------------------|--------------------------|
| Topographic Location | | | Vegetation Cover | |
| major creek/river | <input checked="" type="checkbox"/> | <u>Whites</u> | Surrounding site | <input type="checkbox"/> |
| minor creek | <input type="checkbox"/> | | dense woodland | <input type="checkbox"/> |
| diffuse drainage | <input type="checkbox"/> | | open woodland | <input type="checkbox"/> |
| line | <input type="checkbox"/> | | parkland | <input type="checkbox"/> |
| creek flats | <input type="checkbox"/> | | scrub thicket | <input type="checkbox"/> |
| creek banks | <input checked="" type="checkbox"/> | | grassland | <input type="checkbox"/> |
| creek junction | <input type="checkbox"/> | | other (specify) | <input type="checkbox"/> |

cleared

SITE DESTROYED

| | |
|--------------|-------------------------------------|
| valley floor | <input checked="" type="checkbox"/> |
| footslope | <input type="checkbox"/> |
| hillslope | <input type="checkbox"/> |
| ridgetop | <input type="checkbox"/> |
| saddle | <input type="checkbox"/> |
| knoll | <input type="checkbox"/> |
| spur | <input type="checkbox"/> |

| | |
|---------------------------------|-------------------------------------|
| Distance to nearest creek/river | <input checked="" type="checkbox"/> |
| 0-50m | <input type="checkbox"/> |
| 50-100m | <input type="checkbox"/> |
| 100-200m | <input type="checkbox"/> |
| 200-300m | <input type="checkbox"/> |
| more than 300m (specify) | <input type="checkbox"/> |

| | |
|------------------|-------------------------------------|
| Slope | <input checked="" type="checkbox"/> |
| Flat (<2°) | <input type="checkbox"/> |
| gentle (2-5°) | <input type="checkbox"/> |
| moderate (5-10°) | <input type="checkbox"/> |
| steep (>10°) | <input type="checkbox"/> |

CONSENT TO DESTROY ISSUED 370002

Aspect, i.e. direction site faces _____

Distance to, and nature of nearest drinking water source < 30 m to Whites Cr.

SITE CONTEXT AND CONDITION

Visibility of Ground Surface on the Site Thick grass beyond exposure and some little shrubs across it

Vegetation cover, nature & extent _____

Organic litter cover, nature & extent _____

Summary of MAN 31

This site consisted of a low density scatter of artefacts along the eastern bank of Whites Creek. Surface collections were made from three distinct clusters of artefacts which occurred in areas of sheet erosion.

Location 1 was a scatter of artefacts, predominantly mudstone, covering an area 5m x 6m.

Location 2 was a scatter of mostly porcellanite artefacts covering an area of 15m x 12m.

Location 3 was a scatter of quartz in an area 1m x 1m.

All artefacts lay either on exposed Unit B or redeposited mixtures of Units A and B, indicating that their context was a result of erosional processes. No undisturbed artefacts were seen in Unit A or B, and since none of the locations showed any promise for the recovery no excavation was undertaken.

Exposure of Archaeological Materials or Deposits

- Erosion:
- slope wash
 - rilling
 - gullying
 - Unit A only
 - Units A & B
 - Unit B only
 - other (specify)

| |
|-------------------------------------|
| <input checked="" type="checkbox"/> |
| <input type="checkbox"/> |
| <input type="checkbox"/> |
| <input checked="" type="checkbox"/> |
| <input type="checkbox"/> |
| <input type="checkbox"/> |

CONSENT TO DESTROY
ISSUED 370000
 Through land use:
 vehicle tracks
 ploughing
 other (specify) _____

Animal disturbance:
 specify _____

SITE DESTROYED

SITE DESCRIPTION

Dimensions of area over which exposure extends (m): 10 x 20

Dimensions of area over which archaeological materials visible (m): 10 x 20 - but not all of it - half that area has only about 40% visibility.

Types of archaeological material: stone

Dimensions of area investigated in detail (m): 10 x 20

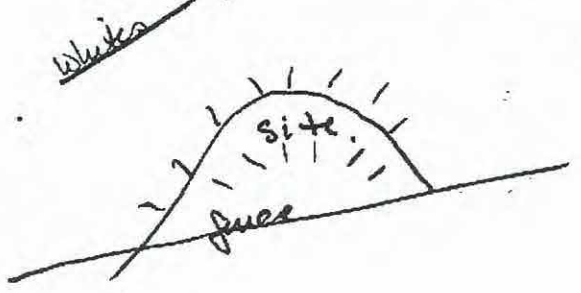
Densities of artefacts/sqm - average: 2/1
 maximum: 15/1

Total number of artefacts - actual: A 233 B 34
 estimated: _____

Occurrence of stone artefact raw materials across the site:
 [dominant (D), co-dominant (COD), common (C - 10%), uncommon (U - 10%), rare (R) - estimate % of each where warranted]

- | | |
|--------------------------|-----------------------|
| Indurated mudstone _____ | chert _____ |
| silcrete _____ | fossilised wood _____ |
| quartz _____ | porcellanite _____ |
| quartzite _____ | other (specify) _____ |
| igneous (specify) _____ | |

COMMENTS The artefacts are dispersed through the grass, and down the slope of the Unit B. One cluster of artefacts within an area 6 x 3, and these treated separately as area A. Rest of material from the general area ~~around~~ 10 x 20 m - whole area gently sloping down to creek - as a tongue ch.



1 hammerstone (pebble)
 16 x 11.5 x 3.5



National Parks and Wildlife Service

Standard Site Recording Form



37-2-0337

REGISTER COPY

| MAP NAME | EDITION | SCALE | REFERENCE | HEAD OFFICE USE ONLY: |
|---|---|-----------|-----------|--------------------------------------|
| Singleton SI56-1 | 1st | 1:250,000 | 3958 0034 | NWPS site no: 37-2-337 |
| Muswellbrook 9033-II-N | 1st | 1:25,000 | 3987 218 | Site types: open-site (artefacts) |
| Site name: MAN 32 | <div style="border: 2px solid black; padding: 5px; transform: rotate(-5deg); display: inline-block;"> CONSENT TO DESTROY ISSUED </div> | | | File nos: |
| Local post office: Jerry's Plains 2330 | | | | Report filed with site no: |
| Locality/property name: Mount Arthur North Lease Area | 370002 | | | Classification: Site status: C-D |
| NPWSDistrict: Upper Hunter | Region: Central | | | Filed by: S.W. |
| | | | | Date: 28-10-85 |

Reason for investigation (give H.O. instruction no. or full title of accompanying report where applicable):
 Koettig, M. and Hughes, P.J. 1985 AN ARCHAEOLOGICAL SURVEY OF THE PLASHETT DAM AND THE MOUNT ARTHUR NORTH AND MOUNT ARTHUR SOUTH COAL MINING PROJECT AREAS, HUNTER VALLEY, NSW.
 A report to ELCOM NSW and MOUNT ARTHUR SOUTH COAL PTY LTD G1203

| | | |
|-----------------------------------|---|---|
| Portion no: | Other land category: | Plan/sketch/section of site attached? Yes/No. |
| Parish: Brougham | County: Durham | How many? |
| Air photo refs. (for stereo pair) | Annotated photos attached? Yes/No | |
| | | How many? |
| Condition of site: | Causes of damage/disturbance/threat to site: (Fill in separate management/protection recommendations sheet if necessary) | |

How to get to the site (refer to permanent features, give best approach to site eg. from above, below, along cliff. Draw diagram on separate sheet if necessary).

See report.



Other sites in locality? Yes ~~XXX~~ Site Types include: Surface scatter of stone artefacts, grinding grooves.
 Are sites in NPWS Register? Yes ~~XXX~~ Unregistered sites-plans for future recording? Yes/No.

Have artefacts been removed from site? Yes/No/ ~~XXXXXX~~ When?
 By whom? Deposited where?

Is site important to local Aborigines? Yes/No/don't know. Statement of interest in the project prepared by the Sites Committee of the Wanaruah Local Aboriginal Land Council.

Give contact(s) name(s) + address(es)
 Contacted for this recording? Yes/No.
 (Attach additional information separately) If not, why not?

Verbal/written reference sources:

Site recorded by: M. Koettig
 Address/institution: ANU Archaeological Consultancies,
 ANUTECH Pty Ltd,
 GPO Box 4, CANBERRA CITY ACT 2601

Date: January 1984



HUNTER VALLEY - OPEN SITES

Site No. MAN 32 Survey Area Mount Arthur North

Map Sheet Name & Grid Ref Name(s) of recorder(s) AL JMc

1:250,000 3958 0034 Singleton

1:25,000 987 218 Muswellbrook

Level of Recording: Total

Sample Summary

PERMISSION TO DESTROY
ISSUED 370002
Cross

ENVIRONMENTAL SETTING

| Topographic Location | Cross | Name |
|-----------------------|-------------------------------------|-------------|
| major creek/river | <input checked="" type="checkbox"/> | Whitaker Cr |
| minor creek | <input type="checkbox"/> | |
| diffuse drainage line | <input type="checkbox"/> | |
| creek flats | <input checked="" type="checkbox"/> | |
| creek banks | <input type="checkbox"/> | |
| creek junction | <input type="checkbox"/> | |
| valley floor | <input checked="" type="checkbox"/> | |
| footslope | <input type="checkbox"/> | |
| hillslope | <input type="checkbox"/> | |
| ridgetop | <input type="checkbox"/> | |
| saddle | <input type="checkbox"/> | |
| knoll | <input type="checkbox"/> | |
| spur | <input type="checkbox"/> | |

| Vegetation Cover | Cross |
|------------------|-------------------------------------|
| Surrounding site | <input type="checkbox"/> |
| dense woodland | <input type="checkbox"/> |
| open woodland | <input type="checkbox"/> |
| parkland | <input type="checkbox"/> |
| scrub thicket | <input type="checkbox"/> |
| grassland | <input checked="" type="checkbox"/> |
| other (specify) | <input type="checkbox"/> |

| Slope | Cross |
|------------------|-------------------------------------|
| Flat (<2°) | <input checked="" type="checkbox"/> |
| gentle (2-5°) | <input type="checkbox"/> |
| moderate (5-10°) | <input type="checkbox"/> |
| steep (>10°) | <input type="checkbox"/> |

| Distance to nearest creek/river | Cross |
|---------------------------------|-------------------------------------|
| 0-50m | <input checked="" type="checkbox"/> |
| 50-100m | <input type="checkbox"/> |
| 100-200m | <input type="checkbox"/> |
| 200-300m | <input type="checkbox"/> |
| more than 300m (specify) | <input type="checkbox"/> |

Aspect, ie. direction site faces Open

SITE DESTROYED

Distance to, and nature of nearest drinking water source 15m to Whitaker Cr

SITE CONTEXT AND CONDITION

Visibility of Ground Surface on the Site 80

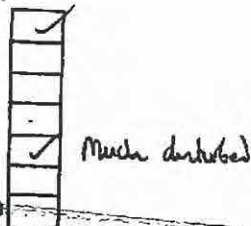
Vegetation cover, nature & extent 40% grass cover

Organic litter cover, nature & extent

Exposure of Archaeological Materials or Deposits

Erosion:

- slope wash
- rilling
- gullying
- Unit A only
- Units A & B
- Unit B only
- other (specify)



Through land use:

- vehicle tracks
- ploughing
- other (specify)

Adjacent areas
 Missing of A+B

Animal disturbance:
 specify

CONSENT TO DESTROY
 ISSUED 370002

SITE DESCRIPTION

Dimensions of area over which exposure extends (m): 5x4 m
2x0.5 (Some other material nearby)

Dimensions of area over which archaeological materials visible (m): 2 x 0.5

Types of archaeological material: Stone artefacts

Dimensions of area investigated in detail (m): 2 x 0.5

Densities of artefacts/sqm - average: 17/1 m²
 maximum: _____

Total number of artefacts - actual: 17
 estimated: _____

Occurrence of stone artefact raw materials across the site:
 [dominant (D), co-dominant (COD), common (C - 10%), uncommon (U - 10%), rare (R) - estimate % of each where warranted]

| | | | |
|--------------------|----------|-----------------|----------|
| Indurated mudstone | _____ | chert | <u>B</u> |
| silcrete | <u>4</u> | fossilised wood | _____ |
| quartz | _____ | porcellanite | _____ |
| quartzite | _____ | other (specify) | _____ |
| igneous (specify) | _____ | | |

COMMENTS

Unit A has washed over the underlying unit - intact
 Mostly grey buff unit A visible upon which artefacts were found.

SITE DESTROYED

Discontinuous exposure on slope of gully + shoulder of flat ground below +
 gully of White's Clc ...

Amount low general background scatter
 only enclosed areas of exposure. Possible dispersed hearth 10m to North



Cultural Resources

NSW
NATIONAL
PARKS AND
WILDLIFE
SERVICE

DATABASE UPDATE SHEET

- REGISTER Site register
 CATALOG Reports catalogue
 FOTODEX Photographic catalogue

Record ID Field/variable New or revised value(s)

37-2-0337

1 SITENAME HAN 32
2 SITENAME Mt Arthur North
3 SITETYPE 2 = Open camp site
4 RECORDER Koettig, N.
5 RECDATE 00Jan1984
6 DISTRICT 5 = Upper Hunter
7 STATUS 1 = Present in H.O.
8 ZONE 56 = AMG Zone 56
9 ANG_E 399700
10 ANG_N 6421800
11 MAPSCALE 7 = :25/50/100K convrt
12 LNDSTAT 8 = Unknown
13 RECTYPE 2 = Standard site record
14 SITESIZE
15 CONDITN 5 = Totally destroyed
16 ARCHWRK 1 = Surface recording
17 ASSOCREP C-1203
18 DATEUPD 26Sep1991
19 CDESTROY YES
20 <Sub-rec>

Filled in by: S fields

Date: 27-9-91

Entered by: S fields

Date: 27-9-91

SENT TO DESTROY

FILED 270002

SITE DESTROYED

C O N S E N T

CONSENT TO CARRY OUT THE DESTRUCTION OF AN ABORIGINAL RELIC/PLACE
NEW SOUTH WALES GOVERNMENT

CONSENT ISSUED UNDER SECTION 90 OF THE
NATIONAL PARKS AND WILDLIFE ACT, 1974 (AS AMENDED)

WHEREAS Aboriginal relics as described in Schedule "A", are situated upon the land described in Schedule "B", and which constitute relics within the meaning of Section 90 of the National Parks and Wildlife Act, 1974 (as amended), and WHEREAS application has been made by:

The Electricity Commission of N.S.W.,
G.P.O. Box 5257,
SYDNEY. N.S.W. 2001

for CONSENT to destroy those relics in the course of:

Development of Mt. Arthur North Coal Lease

NOW I, JOHN FREDERICK WHITEHOUSE, Director of National Parks and Wildlife, do HEREBY by virtue of and in pursuance of Section 90 of the said Act, and subject to the Conditions hereunder set out give my CONSENT as requested by the said applicant.

TERMS AND CONDITIONS OF THIS CONSENT

This Consent is issued subject to General Terms and Conditions covering all archaeological Permits and Consents, as well as the Specific Terms and Conditions pertaining to Consents to Destroy Aboriginal Relics all of which conditions are detailed in the attached pages.

DATED at Sydney this *fifth* day of *August*, 19*86*

John Frederick Whitehouse
Director of National Parks
and Wildlife

Appendix B

Aboriginal Community Consultation Log and Comments

"This page has been left blank intentionally"

| Organisation | First Name | Last Name | Address 1 | Address 2 | Address 3 | Phone | Fax | Email |
|--|-------------------|------------------|------------------|------------------|------------------|--------------|------------|--|
| Forster Local Aboriginal Land Council | Tim | Kelly | PO Box 384 | Forster | NSW 2450 | 6555 5411 | 6555 5532 | tim@forsterlalc.org.au |
| Karuah Local Aboriginal Land Council | Dave | Feeney | PO Box 30 | Karuah | NSW 2342 | 4997 5733 | 4997 5750 | karuahaboriginal@bigpond.com |
| Worimi Local Aboriginal Land Council | Andrew | Smith | PO Box 56 | Tanilba Bay | NSW 2319 | 4965 1500 | 4965 1799 | reception@worimi.org.au |
| Awabakal Local Aboriginal Land Council | Cheryl | Kitchener | PO Box 437 | Hamilton | NSW 2303 | 4965 4532 | 4965 4531 | awabaka@bigpond.net.au |
| Mindaribba Local Aboriginal Land Council | Rick | Griffiths | PO Box 401 | East Maitland | NSW 2323 | 4934 8511 | 4934 8544 | r_griffiths12@bigpond.com |
| Awabakal Traditional Owners Aboriginal Corp | Kerrie | Brauer | PO Box 253 | Jesmond | NSW 2299 | 4915 6947 | | klbrauer@bigpond.com |
| Awabakal Descendants Traditional Owners AShane | | Frost | PO Box 86 | Clarence Town | NSW 2321 | 4996 4362 | 49664325 | awabakal_to@bigpond.com |
| Gloucester Shire Council | The | General Manager | PO Box 11 | Gloucester | NSW 2422 | 6538 5250 | 6558 2343 | |
| Great Lakes Council | The | General Manager | PO Box 450 | Forster | NSW 2428 | 6591 7222 | 6591 7200 | |
| Dungog Shire Council | The | General Manager | PO Box 95 | Dungog | NSW 2420 | 4995 7777 | 4995 7750 | |
| Port Stephens Council | The | General Manager | PO Box 42 | Raymond Terrace | NSW 2324 | 4980 0255 | 4987 3612 | |
| Maitland City Council | The | General Manager | PO Box 220 | Maitland | NSW 2320 | 4934 9700 | 4933 3209 | |
| Newcastle Council | The | General Manager | 282 King Street | Newcastle | NSW 2300 | 4974 2000 | 4974 2222 | |

ICCR Aboriginal Consultation Process

All registered Aboriginal Groups are listed in Addresses tab

Project: Lucas Energy Gas Pipeline

S60665

Stage 1 - Advisory Requests Sent

| | Contact | Date Sent | Comment |
|--|-------------------------------|-----------|----------------------------|
| Local Newspaper Ad | | | |
| DECC | Executive Director Operations | 24-Jul-08 | Letter sent |
| Forster Local Aboriginal Land Council | The Secretary | 24-Jul-08 | Letter sent |
| Karuah Local Aboriginal Land Council | The Secretary | 24-Jul-08 | Letter sent |
| Worimi Local Aboriginal Land Council | The Secretary | 24-Jul-08 | Letter sent |
| Awabakal Local Aboriginal Land Council | The Secretary | 24-Jul-08 | Letter sent |
| Mindaribba Local Aboriginal Land Council | The Secretary | 24-Jul-08 | Letter sent |
| Registrar Aboriginal Owners | The Secretary | 24-Jul-08 | Letter sent |
| Native Title Services | The Secretary | 22-Jul-08 | Fax sent |
| Gloucester Shire Council | The General Manager | 24-Jul-08 | Letter sent |
| Great Lakes Council | The General Manager | 24-Jul-08 | Letter sent |
| Dungog Shire Council | The General Manager | 24-Jul-08 | Letter sent |
| Port Stephens Council | The General Manager | 24-Jul-08 | Letter sent |
| Maitland City Council | The General Manager | 24-Jul-08 | Letter sent |
| Newcastle Council | The General Manager | 24-Jul-08 | Letter sent |
| DECC (AHIMS search request) | David Gordon | 14-Jul-08 | Email sent with shape file |

Aboriginal Group Notifications Sent (DATE) - see "addresses" sheet

Aboriginal Group Registrations & Communications

| Organisation | Contact person | Date | Comments |
|--|---------------------|-----------|--|
| Forster Local Aboriginal Land Council | The Secretary | | No response received |
| Karuah Local Aboriginal Land Council | The Secretary | 05-Aug-08 | EOI response received |
| Awabakal Local Aboriginal Land Council | The Secretary | 08-Sep-08 | EOI received as part of response to Methodology Statement |
| Mindaribba Local Aboriginal Land Council | The Secretary | 23-Jul-08 | EOI response received |
| Registrar Aboriginal Owners | The Secretary | 30-Jul-08 | Response received indicating 'Worimi Conservation Lands' at Stockton Beach |
| Newcastle Council | The General Manager | 13-Aug-08 | Letter indicating relevant Aboriginal stakeholders within Newcastle LGA - 4 groups identified - ALALC, ATOAC, ADTOAC & Dene Hawkin |
| Awabakal Traditional Owners Aboriginal Corporation | Kerrie Brauer | 4-Sep-08 | EOI received by email, in response to methodology statement. |

Stage 2 - Briefing & Methodology Advice Sent

| Organisation | Contact person | Date Sent | Comments |
|---------------------------------------|----------------|-----------|----------|
| Forster Local Aboriginal Land Council | The Secretary | 25-Aug-08 | |
| Karuah Local Aboriginal Land Council | The Secretary | 25-Aug-08 | |

| | | | |
|--|---------------|-----------|---|
| Worimi Local Aboriginal Land Council | The Secretary | 25-Aug-08 | |
| Awabakal Local Aboriginal Land Council | The Secretary | 25-Aug-08 | Letter returned to sender. Medard called LALC for correct address and the document was emailed to LALC on 3.9.08. |
| Mindaribba Local Aboriginal Land Council | The Secretary | 25-Aug-08 | |
| Awabakal Traditional Owners Aboriginal Corporation | Kerrie Brauer | 25-Aug-08 | |
| Awabakal Descendants Traditional Owners Aboriginal Corporation | Shane Frost | 25-Aug-08 | |
| | Dene Hawkin | 25-Aug-08 | |

Aboriginal Group Comments Received

| <i>Organisation</i> | <i>Contact person</i> | <i>Date Rec'd</i> | <i>Comments</i> |
|--|-----------------------|-------------------|--|
| Awabakal Local Aboriginal Land Council | The Secretary | 08-Sep-08 | No comments on methodology. |
| Mindaribba Local Aboriginal Land Council | The Secretary | 27-Aug-08 | Received response 27.8.08. Agreement with methodology. |
| Awabakal Traditional Owners Aboriginal Corporation | Kerrie Brauer | 15-Sep-08 | Received response 15.9.08. Agreement with methodology. Requested map showing extent of study area south of Hunter River. |
| Awabakal Descendants Traditional Owners Aboriginal Corporation | Shane Frost | 15-Sep-08 | Received response 15.9.08. Agreement with methodology. Requested map showing extent of study area south of Hunter River. |

Stage 3 - Request for Comments on Cultural Heritage and Offer of Employment for Fieldwork

| <i>Organisation</i> | <i>Contact person</i> | <i>Date Sent</i> | <i>Comments</i> |
|--|------------------------|------------------|---|
| Forster Local Aboriginal Land Council | The Secretary | 22-Sep-08 | No response received by either phone or fax, so FLALC representation in fieldwork not available. |
| Karuah Local Aboriginal Land Council | Margaret Wright-Wilson | 22-Sep-08 | Received telephone call from Margaret querying rates offered. Discussions continued between 1/10 and 7/10, eventually resulted in a KLALC Sites Officer participating in 2 days of fieldwork. |
| Worimi Local Aboriginal Land Council | Andrew Smith | 22-Sep-08 | Received faxed response form accepting offer of employment on 22/9/08 as put forward. No comments received on cultural heritage issues. Received phone call from WLALC on 13/10/08 confirming date of fieldwork. Rang on 14/10/08 and arranged to meet Site Officer on 15/10/08. |
| Awabakal Local Aboriginal Land Council | Cheryl Kitchener | 22-Sep-08 | No response received by either phone or fax, so ALALC representation in fieldwork not available. |
| Mindaribba Local Aboriginal Land Council | Rick Griffiths | 22-Sep-08 | Received faxed response form accepting offer of employment on 23/9/08 as put forward. No comments received on cultural heritage issues. Rang on 14/10/08 regarding fieldwork on 16/10/08 as per schedule submitted with Offer. Advised that no Site Officers available this week, but probably next week. This did not fit with schedule, so MLALC representation in fieldwork not available. |
| Awabakal Traditional Owners Aboriginal Corporation | Kerrie Brauer | 13-Oct-08 | Rang to offer employment since no response from ALALC. Kerrie advised she would be available on Thursday. Sent email 14/10/08 confirming meeting arrangements. |
| Awabakal Descendants Traditional Owners Aboriginal Corporation | Shane Foster | 13-Oct-08 | Rang to offer employment since no response from ALALC. Kerrie advised she would be available on Thursday. Sent email 14/10/08 confirming meeting arrangements. |

| | | | |
|--|----------------|-----------|--|
| Forster Local Aboriginal Land Council | Tim Kelly | 28-May-09 | Rang and emailed to advise additional fieldwork as a result of extension to GFDA. |
| Karuah Local Aboriginal Land Council | Dave Feeney | 26-May-09 | Rang and emailed to advise additional fieldwork as a result of amended pipeline route. Dave advised he would have someone available. |
| Mindaribba Local Aboriginal Land Council | Rick Griffiths | 26-May-09 | Emailed to advise additional fieldwork as a result of amended pipeline route. |

Organisation of Additional Fieldwork

| <i>Organisation</i> | <i>Contact person</i> | <i>Date Sent</i> | <i>Comments</i> |
|--|-----------------------|------------------------|---|
| Forster Local Aboriginal Land Council | Tim Kelly | 02-Jun-09 | Emailed and called to advise of fieldwork beginning 09/06/09 |
| Karuah Local Aboriginal Land Council | Dave Feeney | 02-Jun-09 | Emailed and called to advise of fieldwork beginning 09/06/09 |
| Mindaribba Local Aboriginal Land Council | Rick Griffiths | 02-Jun-09 | Emailed and called to advise of fieldwork beginning 09/06/09 |
| Forster Local Aboriginal Land Council | Tim Kelly | 03-Jun-09 | Emailed and called to advise of fieldwork postponing. |
| Karuah Local Aboriginal Land Council | Dave Feeney | 03-Jun-09 | Emailed and called to advise of fieldwork postponing. |
| Mindaribba Local Aboriginal Land Council | Rick Griffiths | 03-Jun-09 | Emailed and called to advise of fieldwork postponing. |
| Forster Local Aboriginal Land Council | Tim Kelly | 11/06/09 & 12/06/09 | Emailed and called to reschedule fieldwork for the week of 15/06/09. Could not get anyone on the phone. Received a read receipt for the email. |
| Karuah Local Aboriginal Land Council | Dave Feeney | 11/06/09 & 12/06/09 | Emailed and called to reschedule fieldwork for the week of 15/06/09. |
| Mindaribba Local Aboriginal Land Council | Rick Griffiths | 11/06/09 & 12/06/09 | Emailed and called to reschedule fieldwork for the week of 15/06/09. |
| Forster Local Aboriginal Land Council | Tim Kelly | 15-Jun-09 | Called the LALC office to see if the group were sending someone. Tim was not available but would return in a short while. Left name, phone number and details. Did not hear back. |

Stage 4 - Draft Reports for Review - Sent

| <i>Organisation</i> | <i>Contact person</i> | <i>Date Sent</i> | <i>Feedback Received & Date</i> |
|---------------------------------------|------------------------|------------------|-------------------------------------|
| Forster Local Aboriginal Land Council | The Secretary | 17-Nov-08 | No comments received. |
| Karuah Local Aboriginal Land Council | Margaret Wright-Wilson | 17-Nov-08 | No comments received. |
| Worimi Local Aboriginal Land Council | Andrew Smith | 17-Nov-08 | No comments received. |

Additional Request for Comments

Stage 5 - Amended Draft Reports for Review - Sent

| <i>Organisation</i> | <i>Contact person</i> | <i>Date Sent</i> | <i>Feedback Received & Date</i> |
|--|------------------------|------------------|-------------------------------------|
| Forster Local Aboriginal Land Council | The Secretary | | |
| Karuah Local Aboriginal Land Council | Margaret Wright-Wilson | | |
| Worimi Local Aboriginal Land Council | Andrew Smith | | |
| Awabakal Local Aboriginal Land Council | Cheryl Kitchener | | |
| Mindaribba Local Aboriginal Land Council | Rick Griffiths | | |
| Awabakal Traditional Owners Aboriginal Corporation | Kerrie Brauer | | |
| Awabakal Descendants Traditional Owners Aboriginal Corporation | Shane Foster | | |



Search Results

Prepared for *CNC Project Management Ltd*

Geospatial Job: GT2008/1544
Your Reference: Gloucester - Newcastle NNTT
Search Area: As per data provided.
Requested by: Beau Fraser
Date: 2 September 2008

DISCLAIMER

This information product has been created to assist in understanding the spatial characteristics and relationships with native title matters and is intended as a guide only. Spatial data used has been sourced from the relevant custodians in each jurisdiction. The Registrar, the National Native Title Tribunal and its staff and officers and the Commonwealth, accept no liability and or give no undertakings, guarantees or warranties concerning the accuracy, completeness or fitness for purpose of the information.

NOTES FOR INTERPRETING THE RESULTS

The search is based on the external boundary of the application or agreement. To determine whether any search area is subject to claim, determination or agreement, you need to refer to the accompanying extracts and associated documents. An "explanation of terms" follows the search results.

Results of spatial analysis as at 2 September 2008

There is **NO** overlap with any determination of native title as per the **National Native Title Register**.

There is **NO** overlap with any registered application as per the **Register of Native Title Claims**.

There is **NO** overlap with any scheduled application as **filed with the Federal Court**.

There is **NO** overlap with any registered indigenous land use agreements as per the **Register of ILUAs**.

There is **NO** overlap with any indigenous land use agreements **notified (but not registered)** by the Tribunal.

Representative Aboriginal and Torres Strait Islander Body Area

| Search Area | Area (sq km) | % of Area within RATSIB Area | Name |
|------------------|--------------|------------------------------|-----------------|
| Area of Interest | 3185.911 | 100.00 | NTSCORP Limited |

Local Government Authority

| Search Area | Area (sq km) | % of Area within LGA | Name |
|------------------|--------------|----------------------|-----------------------------|
| Area of Interest | 3185.911 | 3.08 | Cessnock City Council |
| Area of Interest | 3185.911 | 36.24 | Dungog Shire Council |
| Area of Interest | 3185.911 | 11.57 | Gloucester Shire Council |
| Area of Interest | 3185.911 | 21.15 | Great Lakes Council |
| Area of Interest | 3185.911 | 1.10 | Lake Macquarie City Council |
| Area of Interest | 3185.911 | 7.45 | Maitland City Council |
| Area of Interest | 3185.911 | 5.73 | Newcastle City Council |
| Area of Interest | 3185.911 | 13.66 | Port Stephens Council |

DATA STATEMENT

Prepared by Geospatial Services, National Native Title Tribunal.

New South Wales

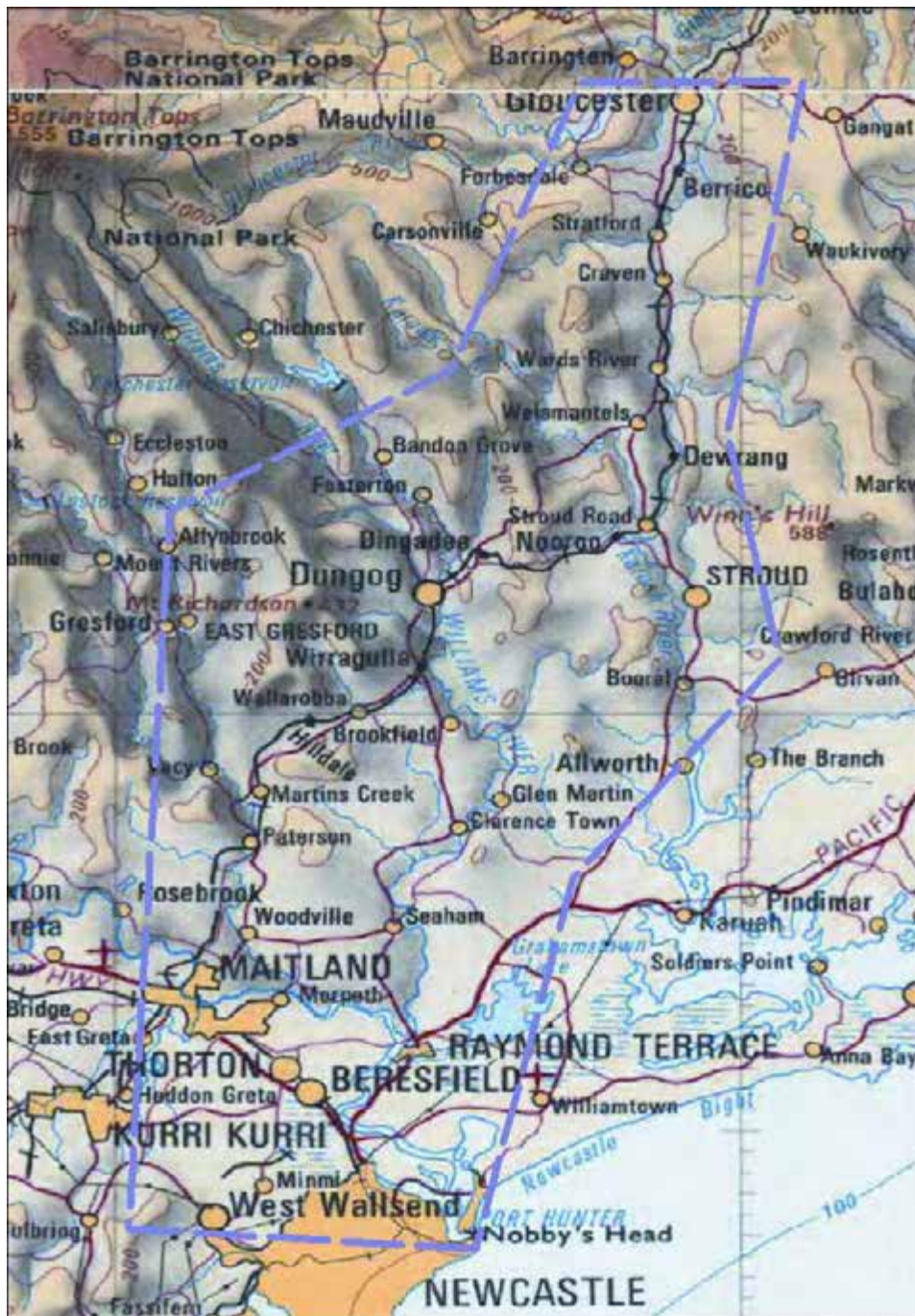
Application boundary data compiled by the National Native Title Tribunal from data sourced from the Dept of Lands, Land and Property Information Division, NSW.

Local Government Authority data sourced from Public Sector Mapping Agency (Aug 2006).

RATSIB data compiled by NNTT based on reference material sourced from AIATSISS and spatial data sourced from Geoscience Australia, Department of Natural Resources & Water (Qld) and Sinclair Knight Merz Pty Ltd.

EXPLANATION OF TERMS

| | |
|--|--|
| National Native Title Register (NNTR) | Contains determinations of native title where native title does and does not exist in a particular area of land or waters. |
| Register of Native Title Claims (RNTC) | Contains claimant applications which have passed the Registration Test and those applications filed before 30/09/1998 that are still undergoing the Registration Test. |
| Schedule of applications – Federal Court Register of ILUAs | Contains active applications before the Federal Court. |
| Notified applications for indigenous land use agreements | Contains indigenous land use agreements (ILUAs) that have been accepted for registration |
| Area (sq km) | Contains applications for ILUAs which have been notified but not yet registered |
| Tribunal Number | Total area of the Search Area (in sq km) |
| Fed Court Number | National Native Title Tribunal reference number (including identifier to record part applications) |
| Name | Federal Court reference number |
| Determination Date | Application or agreement name |
| Registration Date | Date on which the determination was made |
| Reg Test Status | Date on which the application was first placed on the Register of Native Title Claims with regard to its current 'registered' status or date on which an ILUA was registered |
| Application Type | Registration test status (e.g. Accepted for registration, Currently identified for Reg. Test, Not currently identified for Reg. Test) |
| ILUA Status | Claimant, non-claimant or compensation |
| | In notification, notified, Registered |



Area used for search purposes.

This sketch was produced by NNTT using a graphic provided by CNC Project Management Ltd.

Topographic image data is © Commonwealth of Australia and is used under licence from Geoscience Australia.

NOTE: Topographic images should be used as a guide only.



PO BOX 86
CLARENCE TOWN
NSW 2321

Date: 25 March 2009

Attention: Rick Bullers
ENSR Australia Pty Ltd
PO Box 726
Pymble NSW 2073

Re: Aboriginal Heritage Assessment for Gloucester Coal Seam Gas Project between Gloucester and Hexham.

ALLA Rick,

I am writing to you in regard to the ***Draft Aboriginal Heritage Assessment for Gloucester Coal Seam Gas Project between Gloucester and Hexham***. I would like to notify you that the ***Awabakal Descendants Traditional Owners Aboriginal Corporation*** has considered the contents of the draft report and would like to make the following comments and recommendations based on the report furnished to us from ENSR Australia Pty Ltd on the 17 December 2008 in regard to the proposed project.

It must be stressed that in our initial contact with you Rick regarding this Aboriginal Heritage Assessment proposed for the Gloucester Coal Seam Gas Project between Gloucester and Hexham, it was brought to your attention then and I would like to again reiterate that the ***Awabakal Descendants Traditional Owners Aboriginal Corporations*** registration of interest for this Aboriginal Heritage Assessment was only for the duration of the investigation intended for the southern side of the Hunter River including the Hexham area which falls into the Traditional Tribal area of the Awabakal. It is not our desire to infringe upon the Traditional Tribal Country of other people and therefore we were only interested in taking part in the project if the intentions were to cross to the southern side of the Hunter River and then and only then was it our desire to be consulted in regard to any Aboriginal archaeological management or consultation that was to take place for or within the Awabakal Tribal area.

Therefore after confirmation from you that the assessment would definitely be crossing to the southern side of the Hunter River and us subsequently taking part in the survey/assessment on the 15 October 2008 and with these intentions noted, the following comments and recommendations have been arrived at and only apply in relation to the survey/assessment area located on the southern side of the Hunter River, which is recognised as Awabakal and in which the representative from the Awabakal Descendants Traditional Owners Aboriginal Corporation was involved noting that it was only part of the overall survey/assessment area.

The report seems to be reasonably comprehensive and covers most areas of concern but we would like to bring to your attention and highlight our comments/recommendations as set out below.

- The area in which the Gloucester to Hexham Gas Pipeline is to intersect the Ridge/Spur, on which the township of Woodbury is located, falls within the traditional tribal area of our people the Awabakal, and as outlined in the draft, it is very likely to contain Potential Archaeological Deposits (PAD). We agree with the statement on page 37 of the ***Draft Aboriginal Heritage Assessment for Gloucester Coal Seam Gas Project between Gloucester and Hexham*** under the heading 'PAD 19' concerning the ridgeline on which Woodbury township now stands ***"Although the area is highly disturbed by development, previous excavations on the ridge further west, together with the presence of oyster shells in the nearby Hunter Water pipeline easement, indicates that***

there is a moderate to high potential for subsurface archaeological deposits to occur in the area”.

This ridgeline is a low spur which extends to the east and is surrounded by a large swamp/wetlands area (being a floodplain for the Hunter River and an extension of the Hexham Swamp/wetlands). This ridgeline would have been utilised by our people for the purpose of procuring the natural food resources found in the swamps and wetland areas and then utilising the higher ground of the ridge/spur to camp upon. In doing so, it is to be expected the great likelihood of finding within this landscape the evidence of Aboriginal occupation/archaeology in the form of artefacts etc produced while residing within this locality given the thousands of years of occupation of our people.

There have been several Aboriginal archaeological assessments undertaken within the perimeter of Hexham Swamp over the last decade or so on similar terrain such as is the case with this spur/ridge in Woodbury in which subsequently many thousands of artefacts have been recovered.

With this area at Woodbury being within the same type of landscape as the archaeological surveys previously conducted within the Hexham Swamp area, it is imperative that because there is no other alternate routes for the pipeline at this point, that during any work carried out within this area we would recommend that the Aboriginal Stakeholders for this particular area should maintain a program of monitoring/observers for any artefacts that may be disturbed/uncovered during excavations of this ridge/spur as outlined in the **Draft Aboriginal Heritage Assessment for Gloucester Coal Seam Gas Project between Gloucester and Hexham** on page 72, **Table 21: Management Commitments for Potential Archaeological Deposits; Final Management Requirement ... ‘No alternate route available. Recommend retaining archaeologist and Aboriginal community representatives to monitor excavation works across the Woodbury Ridge, under AHMP procedures.’**



Above Fig1: Some of the Oyster shell found at Woodbury on the Ridge the Gas Pipeline route will intersect.

- The developer to enter into immediate negotiations with the Aboriginal stakeholder groups concerning the implementation of an Aboriginal Heritage Management Plan to be developed in partnership with the Aboriginal stakeholder groups regarding the management of any Aboriginal Cultural Heritage that is to be impacted or compromised by the proposed development of the Gas Pipeline. Also Aboriginal Heritage Management Plan (AHMP) to include negotiations with Aboriginal stakeholder groups for the implementation of offsets for the loss of or damage to Aboriginal Cultural Heritage due to the proposed Gas Pipeline development.
- On page 58 of the **Draft Aboriginal Heritage Assessment for Gloucester Coal Seam Gas Project between Gloucester and Hexham** under section **7.3.2 Open Sites** in paragraph 4, there seems to be an anomaly as it states **‘However, subsequent realignments to the route of the pipeline have avoided these areas, with exception of PAD 7, which crosses the Woodbury Ridge.’** Shouldn’t this read **PAD 19** instead of PAD 7? Looking at the maps, in Figure 19.1.5

Identified Sites - Kilometre Point 15-20 km PAD 7 is found between the towns of Stroud Road and Wards River, whereas in Figure 19.1.19 Identified Sites - Kilometre Point 85-92km it shows PAD 19 at Woodbury. Also on page 37 & 72 and as T47 in Table T1: Transects Sampled and Effective Coverage and under Table T2: Aboriginal Sites Identified During the Field Survey site No. PAD 19 of the **Draft Aboriginal Heritage Assessment for Gloucester Coal Seam Gas Project between Gloucester and Hexham**, it shows PAD 19 being situated on/at Woodbury Ridge!

- It also must be remembered that if an area is devoid of any visible signs of Aboriginal occupation or Cultural Heritage being present on the surface of the area that the proposed development is to take place, it should not be a foregone conclusion that this is an indicator that no evidence or presence of Aboriginal occupation still remains at the proposed development site. We must also acknowledge that Awabakal people have been living in this area for thousands of years and the possibility of evidence of this occupation is likely to be present within the surrounding locality of the proposed development and the possibility if there is subsequent disturbance and impacts which expose subsurface soils due to excavations, may result in revealing this evidence.

- Also that if there is any evidence of Aboriginal archaeological content exposed during the development and construction stage of the proposed pipeline, due to ground disturbance and subsequent exposure of subsurface materials in relation to the areas in which monitoring is not taking place either now or in the future, then it would be a requirement of the developer and any associated contractors working in this area to stop work and notify all the Aboriginal stakeholder groups and DECC if they do expose, damage or impact on any known, or at this point in time, any unknown Aboriginal archaeological and Cultural Heritage sites or artefacts.

As Awabakal people this area is special to us, not just for the Physical aspect but also the Spiritual and Oral aspect which all combine to give us our complete culture. Our people are concerned that significant tracts of land which contain our cultural heritage are being exploited on many levels and the destruction of these places seem to go unnoticed by the majority, so it is our desire to be involved in all the affairs that may affect that cultural heritage which is vital to our people in maintaining connectedness in respect of our Traditional Country.

I hope this addresses any queries you may have at this time Rick regarding this matter, if not and further information is required please don't hesitate to contact me ASAP. My contact details are as follows.

NGI NOA (Farewell in Awabakal)

Shane Frost

CEO: Awabakal Descendants Traditional Owners Aboriginal Corporation

Email: shanefrost@bigpond.com Phone: 49964362 Fax: 49964325 Mobile: 0428320671



PO BOX 86
CLARENCE TOWN
NSW 2321

Date: 30 August 2009

Attention: Rick Bullers
ENSR Australia Pty Ltd
PO Box 726
Pymble NSW 2073

Re: Aboriginal Heritage Assessment for Gloucester Coal Seam Gas Project between Gloucester and Hexham.

ALLA Rick,

I am writing to you in regard to the **Draft Aboriginal Heritage Assessment for Gloucester Coal Seam Gas Project between Gloucester and Hexham**. I would like to notify you that the **Awabakal Descendants Traditional Owners Aboriginal Corporation** has considered the contents of the draft report and would like to make the following comments and recommendations based on the report furnished to us from ENSR Australia Pty Ltd on the 18 August 2009 in regard to the proposed project.

It must be stressed that in our initial contact with you Rick regarding this Aboriginal Heritage Assessment proposed for the Gloucester Coal Seam Gas Project between Gloucester and Hexham, it was brought to your attention then and I would like to again reiterate that the **Awabakal Descendants Traditional Owners Aboriginal Corporations** registration of interest for this Aboriginal Heritage Assessment was only for the duration of the investigation intended for the southern side of the Hunter River including the Hexham area which falls into the Traditional Tribal area of the Awabakal. It is not our desire to infringe upon the Traditional Tribal Country of other people and therefore we were only interested in taking part in the project if the intentions were to cross to the southern side of the Hunter River and then and only then was it our desire to be consulted in regard to any Aboriginal archaeological management or consultation that was to take place for or within the Awabakal Tribal area. Therefore after confirmation from you that the assessment would definitely be crossing to the southern side of the Hunter River and us subsequently taking part in the survey/assessment on the 15 October 2008 and with these intentions noted, the following comments and recommendations have been arrived at and only apply in relation to the survey/assessment area located on the southern side of the Hunter River, which is recognised as Awabakal and in which the representative from the Awabakal Descendants Traditional Owners Aboriginal Corporation was involved noting that it was only part of the overall survey/assessment area.

The report seems to be reasonably comprehensive and covers most areas of concern but we would like to bring to your attention and highlight our comments/recommendations as set out below;

In **Section 4.4.1** of the draft under the heading of **Comments: Awabakal Descendants Traditional Owners Aboriginal Corporation**, Point 2- requesting that we be consulted during the development of the Aboriginal Heritage Management Plan.

- We would only be interested in being involved in the Aboriginal Heritage Management Plan in regard to the section of the gas project which concerns the proposed development area within the Awabakal Traditional Tribal Country.
- We would like the above statement added into the draft so as to clarify our position.

I hope this addresses any queries you may have at this time Rick regarding this matter, if not and further information is required please don't hesitate to contact me ASAP. My contact details are as follows.

NGI NOA (Farewell in Awabakal)
Shane Frost

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ICN 4411

6 April 2009

ENSR Australia Pty Ltd

Attn: Rick Bullers
Project Archaeologist
P.O. Box 726
Pymble NSW 2073

Re: Comments for the Draft Report Gloucester Coal Seam Gas Project Environmental Assessment: Heritage Gloucester to Hexham.

Dear Rick,

With regard to the Draft Report for the Proposed Gloucester Coal Seam Gas Project Environmental Assessment: Heritage Gloucester to Hexham, we recognise the evaluation by ENSR Pty Ltd appears to be reasonably comprehensive.

Our comments to the contents and sections within the Draft Report are as follows:

Given the thousands of years our people have occupied this area prior to colonisation, we cannot expect that Aboriginal artifacts or culturally significant sites would be located in the brief and limited period of time allocated for this survey.

We believe that the reference made to the "Aboriginal Community" in the report should be changed to "Aboriginal Stakeholders" as the meaning of "Aboriginal Community" has wider unrelated group connotation; whereas the meaning of "Stakeholders" is that of responsible independent parties and is more accurate and specific. We believe that "traditional descendants" would be more appropriate to identify levels of cultural significance rather than the term "Aboriginal Community".

The Hexham region is culturally significant to the Awabakal People and is well within the Awabakal Boundary. The region was greatly utilised by our people, as evident by the numerous amount of artifacts being recorded.

Many of our cultural heritage sites are being damaged, we believe that monitoring by the Aboriginal Stakeholders is required for the proposed pipeline project for any artifacts that may be disturbed and exposed during excavation works.

The destruction of our cultural heritage can be avoided through a consultation process with the traditional descendants of the Awabakal people to protect these valuable and significant historical imprints. In the event that Aboriginal objects are uncovered, it is recommended that work needs to cease until an assessment and recovery is made.

We also believe that caution is recommended as the Draft Report does not address the impact on the environment surrounding the proposed pipeline. Essentially we are concerned with the extent of potential damage that the excavation itself will create, including access roads for trucks as well as the supporting equipment that will be needed.

We believe that there is an obligation by the developer Lucas Energy for ongoing protection of the area by *all* who will be associated with the proposed Gloucester to Hexham Coal Seam Gas Project.

The Hexham region is regarded highly significant to the Awabakal people, and in our view the region is part of the land that facilitates and completes the landscape that echoes the ethos of our cultural heritage. The principal vision and aims of the Awabakal people is to protect the cultural heritage of our ancestors. Therefore the residual evidence of our people is held in high degree and is regarded as a cultural reminder that unites us with our country and spirituality.

We reserve the right and reluctance to share our cultural heritage with others in respect to aspects of the cultural significance that connects us to our country. It is believed by our people that those who shouldn't be privy to this cultural knowledge have no rights or entitlements to it.

If you require any further information please do not hesitate in contacting me.

Yours sincerely,



Kerrie Brauer
Secretary and Public Office



31 August 2009

AECOM

Attn: Rick Bullers
Senior Archaeologist
PO Box 726
Pymble NSW 2073

Dear Rick,

Re: Comments for the Draft Report for the Gloucester Coal Gas Seam Project Environmental Assessment: Heritage. Gloucester to Hexham, NSW

With regard to the Draft Report for the Proposed Gloucester Coal Seam Gas Project Environmental Assessment: Heritage Gloucester to Hexham, we recognise the evaluation by AECOM Pty Ltd appears to be reasonably comprehensive.

Our comments to the contents and sections within the Draft Report are as follows:

Page 8, 2.2.1, no 3, Typo in first line – “Awabakala”, should be Awabakal.

Page 8, 9, 22.2.1, With regard to the regional context we consider that the writings of the Reverend Lancelot Threlkeld are an informative overview of the Awabakal People which would broaden the context of the report and local area. We also strongly suggest that the final report be referenced and supported by “Australian Reminiscences & Papers of L.E. Threlkeld” who was a missionary to the Aborigines of Lake Macquarie 1824-1859; in whose correspondence and accounts with the Awabakal people of the Hunter region are the earliest recorded.

Although anthropologists may have the ability to identify past physical use of a location, they do not have the capability to adjudicate on the spirituality of any particular location or site. This is the exclusive right of the Traditional Owners who have a cultural and hereditary association with the land of their ancestors.

Page 49, 7.2, We recommend that AECOM may need to consider the value of ‘place’ within the Heritage and Cultural weighting, as this consideration is to insure the protection and conservation of Place & Objects which impact significantly on the spirituality, cultural, historic and general legacy needs of Aboriginal people to address inequalities in social and community well being.

Page 50, 7.2.3, With regard to the comments that there has been no response from the Aboriginal Stakeholders relating to information about cultural heritage values, we would like to mention that in our letter dated 6th April 2009 we had expressed our reluctance to share our cultural heritage with others in respect to aspects of the cultural significance that connects us to our country. Therefore we believe that our comments relating to this matter should be mentioned in the Draft Report as we believe that the statement in this section would be seen as misleading.

Page 69, 10.1, We believe that all the relevant Aboriginal Stakeholders should be consulted during the proposed Aboriginal Heritage Plan (AHMP) where it is appropriate to their cultural area of association within the Proposed Pipeline Project.

As mentioned in our comments dated 6th April 2009, that many of our cultural heritage sites are being damaged, and believe that the structure and context of the landscape of the surrounding project area relates to distinctive factors that are associated to Aboriginal inhabitation. Therefore, we recommend monitoring is necessary to examine the possible survival and integrity of any Aboriginal sites that may be present within the Proposed Pipeline Project area.

With regards to the relevant research questions pertaining to the local area we suggest that further analytical research is needed concerning the region. Therefore, we propose that AGL consider the advantages of implementing a Research Excavation Methodology Design for the AHMP to support the monitoring investigative areas within the Proposed Pipeline Project area. The program analysis would support a conceived piece of archaeological research design to address research questions which are common to the Hunter Region. The research design would pioneer active principles to unravel the geological history of the regions layers to encompass and create a data collective of the regions ethos.

We believe that AGL could take this opportunity to go beyond what is required by relevant legislation policies as a pioneer of contributing to their ongoing commitment and supportive awareness in adequately addressing the many aspects related to the perspectives and diversity that is associated with Aboriginal Cultural Heritage.

We also believe that caution is recommended as the Draft Report does not address the impact on the environment surrounding the proposed pipeline. Essentially we are concerned with the extent of potential damage that the excavation itself will create on Aboriginal sites, including access roads for trucks as well as the supporting equipment that will be needed.

We believe that AECOM and AGL are committed and supportive in adequately addressing the many aspects related to the perspectives and diversity that is associated with Aboriginal Cultural Heritage. We would like to mention our appreciation of the informative process that the representative from AECOM has outlined in the Draft Report and the due diligence in addressing our concerns.

If you require any further information please do not hesitate in contacting me.

Yours sincerely,



Kerrie Brauer
Director | Administration

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