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### Notes on the geomorphology of Balranald Project Area.

### **Revised 7 December 2012**

These notes relate to the landscape patterns around Tin Tin and Pitarpunga Lakes approximately 25km north of Balranald in western NSW. They were originally prepared by Dr Peter Mitchell in October 2012 and are based on existing maps, Google Earth imagery, available literature, and two brief field visits. Changes in this revised version are mainly editorial.

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### Limitations of available data

Researchers working in western NSW face a paucity of recorded data. The area is so large that almost all mapping has been conducted at 1:250,000 scale and most natural boundaries have been derived by interpretation of air photos with limited field checking. Some of the base mapping was done in the 1960s and has not been updated. Across the Balranald study area the most detailed mapping is of the Land Systems (Eldridge circa 1972) and vegetation by Scott (1992). Geology maps have only been produced at 1:1m scale (Brown *et al.*, 1991) and although the geomorphic mapping of Butler *et al.*, (1973) was extremely valuable in establishing a framework for the Riverina this work was produced at 1:500,000 scale and can be difficult to relate to topography in the field.

In recent years topographic data has been produced at a more useful scale of 1:50,000 but even on these maps confirmed levels (spot heights) are sparse and many former drainage channels that are important features in the topography have not been depicted.

Land systems by definition can be subdivided into smaller units such as land classes and land components that are identified in the text accompanying the Land System map sheets but they have never been mapped. The Soil Conservation Service land systems (along with other data) were used by Sahukar *et al.*, (2003) as surrogates for ecosystems across western New South Wales. They were also used by the Service in the preparation of property management plans in the 1970s and 1980s. At those scales and for grazing management they proved to be a useful landscape descriptor but at the scale required for archaeological site survey such as on the Iluka project near Balranald they have little value and individual map polygons should not be expanded to project scale. Mapped boundaries are only accurate to +/-250 metres, they will not register correctly in any GIS system, and can be very misleading on the ground.

The most useful basic data source is Google Earth imagery. Depending on the Google version and the computer used the image can be enlarged to about 1:200 scale and will resolve details about 3m across. This imagery can also be interrogated for elevation which is derived by averaging spot heights sampled on a 90m grid. These figures are not accurate but in country with low relief like this study area they are sufficiently reliable to determine relative heights of features and directions of ground slope.

### Geomorphic background

The geomorphology of the Balranald Project Area cannot be understood without placing the Iluka mine lease in the larger context of the lower reaches of the Lachlan and Murrumbidgee Rivers. The best primary guide to this is the work of Butler *et al.*, (1973). Since that was published others have expanded the framework and filled in more detail. The following is a general account pertaining to the study area.

The Riverina extends across the lower reaches of three very large, extremely low angle, alluvial fans of the Murray, Murrumbidgee and Lachlan Rivers (Butler *et al.*, 1973, O'Brien and Burne, 1994, Capon *et al.*, 2008). During the late Pleistocene discharge in these streams has varied with climatic change so that the streams have sometimes carried flows as much as eight times that of the present. In response to changing discharge the river channels have meandered across the width of the fans variously depositing sand, silt and clay at different distances downstream from the fan apex. All three fans overlap and their distal gradients can be as low as 1:5,000. The western edge of the Lachlan fan is overlain by longitudinal aeolian sand dunes oriented approximately west to east carrying mallee scrub, and sand sheets that more often carry chenopods and belah. The dunes and sand sheets are believed to have last been active about 30,000 years ago.

The river channels on the fans have changed in width and meander wavelength depending on the dominant discharge regime at any one time and a broad chronology of change has been established for the Murray and Murrumbidgee (Schumm 1968, Page and Nanson 1996, Page, Nanson and Price 1996, and Page *et al.*, 2001).

The Lachlan fan has not been studied geomorphically but the chronology of hydrologic change and human occupation at Lake Mungo and Lake Mulurulu near the end of Willandra Ck is quite detailed (Bowler 1998, Bowler *et al.*, 2003, and Kelly *et al.*, 2012). Generally the changes in channel form and the temporal patterns of full lake or dry lake periods have been correlated with climate change through the Pleistocene and Holocene, and the general trend has been for increasing aridity (as judged from stream flow) to about the mid-Holocene (Hesse *et al.*, 2004). However without collaborative evidence Box Ck should not be assumed to have an identical chronology as Willandra Ck as other factors, such as possible channel switching at the apex of the fan near Hillston need to be considered.

Geomorphically the following fluvial, lacustrine, and sand dune/sheet landscapes can be seen along all of the streams on the riverine plain.

1. Meandering channels with different wavelengths and channel widths, lined by river red gum, generally fringed by low levees and often with channel beds close to the same level as their adjacent backplain. Flood waters reach the backplain through crevasse splays (breaches in the channel bank and levee).

- 2. The channels are set within a wide meander plain (floodplain) containing abandoned channels (billabongs), and occasional source bordering sand dunes. The plain is usually covered by black box woodlands on heavy grey clay. Swamps support either lignum (infrequent wetting) or common reed (frequent wetting and standing water).
- 3. Beyond the meander plain and typically 1 to 2m lower in elevation an extensive backplain occurs which is sometimes treeless and was dominated by chenopods and grasses in pre-European times. Swamps and marshes occur on the backplain and may carry black box or river red gum woodland or large areas of common reed. Fine dendritic channel networks cross the marshes along with areas of open water. Soils in the marshes and swamps are predominantly deep organic grey to black clays that shrink and crack when dry. Swamps and lake beds (clay pans or playas) on this feature are more commonly covered in canegrass. Gilgai of various sorts occur on the backplain and these micro-topographic features can hold standing water as temporary wetlands.
- 4. Lakes of many different sizes are found throughout the landscape but are best represented on the backplains. There are two kinds of lakes; freshwater lakes or clay pans (playas) that are filled from the river channels during floods and that drain back to the streams as river levels fall, and salt water lakes or saltpans (saline playas) that are groundwater evaporation basins (groundwater windows). Salt lake systems are less common in NSW than in northern Victoria. The largest freshwater lakes are connected to the Murrumbidgee River and these can retain water for a number of years. The largest clay pans (playas) occur on the distal parts of the Lachlan fan and are normally dry. Saline lake beds are rare on the Lachlan fan although many of the clay pans have clay pellet lunettes indicating that the lake surface has been influenced by solutes at some time in the past.
- 5. Nearly all lakes and clay pans have a lunette on the eastern shores that has formed over time as sediments worked across the lake floor by shallow waves to accumulate in a crescent shaped dune on the eastern shore. The sediments in the lunette may be dominated by aeolian sand or clay and in some cases alternating sand and pelleted clay. Beach facies are usually present along the lake shore. The lunettes preserve an excellent stratigraphic record of change in lake and stream hydrology and have the potential to contain a rich archaeological record as recorded at Lake Mungo. Clay lunettes are formed as the lake beds dry out and surface mud is flocculated by salts. They represent intermediate hydrological conditions between permanent fresh lakes and dry, stable playas. Tin Tin and Pitarpunga Lakes are now dry clay plains that have been partly cultivated since the 1970s. No beaches are evident and there is only slight sheet and gully erosion on the lunettes.
- 6. Away from the fluvial and lacustrine sediments and landforms the country is covered in red and yellow-red sand formed in longitudinal dunes that stand two to six metres above the swales. In a few places these dunes have passed over old lake beds and in other places the dune morphology is flattened or eroded to the extent that the landscape is better described as a sand sheet.

The dunes and the sand sheets have a core of sand cemented by a calcium carbonate pan (caliche or kunkar) that can be solid rock or an aggregate of pisolitic carbonate

nodules in the B and C-horizons of the natural soil. This material is often quarried for use as road gravel and it was also used as heat retainers in Aboriginal hearths and ovens. In the sand sheet country erosion sometimes exposes the kunkar as low stony ridges from which a limited amount of surface water may drain in exceptionally wet periods. This sheet flow is weakly channelled and moves down gradient into floodout or run-on areas that are characterised by brown sandy clay soil often colonised by old man saltbush. Gilgai may occur in these areas and may hold surface water for some months after exceptional rain. Once flooded the gilgai ponds support ephemeral wetland vegetation including rushes and nardoo and could have provided important resources for Aboriginal people. Occupation of the back country, away from the lakes and rivers may have depended on sufficiently heavy rain to flood the gilgai.

### Geomorphology near the proposed mine

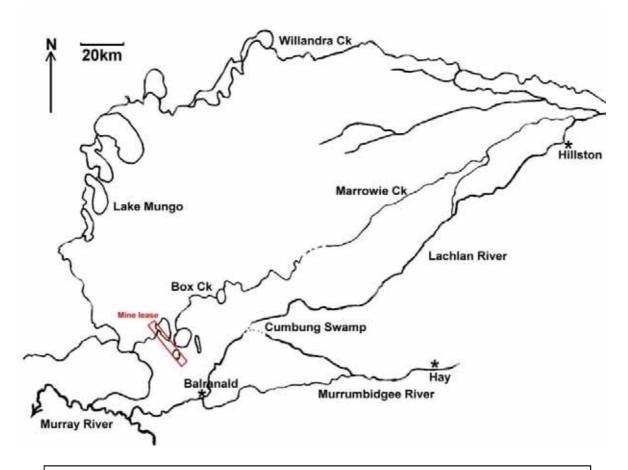
The Iluka mine lease and ore deposits lie beneath a veneer of lacustrine, fluvial and aeolian sediments immediately southwest of Lake Tin Tin and Lake Pitarpunga and the lease covers part of Muckee Lake. All of these lakes are dry clay pans (playas) and it is likely that they have rarely filled in the last few hundreds to thousands of years. They originally functioned as overflow lakes fed by a Lachlan River distributary stream known as Box Creek. These lakes are not linked to the Murrumbidgee River.

The Box Creek channel leaves the Lachlan River as Marrowie Creek near the apex of the alluvial fan upstream of Hillston. In this area it is one of four distributary channels that all take some of the higher Lachlan River flows and spread the water across the lower fan (Figure 1). At the present time the main channel (the Lachlan River) carries most of the flow but under most discharge conditions so much water is lost to evaporation and infiltration that flows only rarely pass Booligal or Oxley and the river normally terminates in the Lachlan and Great Cumbung Swamps (inland deltas).

The Great Cumbung Swamp is usually considered to be the terminus of the Lachlan River (O'Brien and Burne 1994) although Lachlan River water did reach the Murrumbidgee during the floods of 1956 (Harrison 1957). Today Marrowie Creek terminates in a floodout and swamp country near Tarwong and its extension channel (Box Creek), has only been known to flow in the extreme flood of 1956. No reference to Box Creek entering or filling Lakes Tin Tin and Pitarpunga during that or any other historic flood has yet been found.

Where Box Ck enters Pitarpunga Lake the channel is little more than a shallow depression covered with old man saltbush. There is barely any levee and there are no black box trees anywhere along the channel. The channel has a meandering form with an average wavelength of about 200m and channel width of 40m. Numerous partial palaeo-channels can be traced across the lake beds and in some places through the sand sheet south of the lake. These channels have meander wavelengths of 600 to 1,000m and widths in the range 50 to 100m. Such channels are clear evidence of large changes in flow regime in the Box Ck system during the Pleistocene.

Below the lakes where Box Ck crosses the Sturt Highway the channel is much larger, well defined and lined with old box trees. This is the reach where the creek flowed in the last two years and the difference is that this part of the creek also includes the catchment of Arumpo Ck and apparently the total catchment is sufficient to create local flow with exceptional local rain.



**Figure 1.** Map of the Lachlan River fan showing the broad pattern of distributary streams flowing across the fan from its apex upstream of Hillston.

Examination of Google Earth images suggests that all of the lakes north of the mine lease may have originally been one large lake of at least twice the total area of the present lake beds (Figure 2). This feature is roughly defined by one or perhaps two higher lunettes on the eastern edge adjacent to the Murrumbidgee backplain. It is not known when the mega-lake was active, nor is it known when the present lakes were last regularly filled but all the field indications suggest that Tin Tin and Pitarpunga Lakes have gone through a drying phase over the late Pleistocene and Holocene that is probably comparable to the hydrologic story revealed in the lower Murrumbidgee and in Lake Mungo (Box).

This suggestion is supported by the fact that the three smaller lunettes (Figure 3) on each of the present lakes (Tin Tin, Pitarpunga, and Macommon) have surface layers that are composed of wind-blown clay pellets that are known to form during lake drying phases when clay pellets are blown from the exposed dry lake floor under slightly saline conditions. Whilst this material can be matched to the sediment in the Zanci Unit at Lake Mungo it may or may not be of an equivalent age.

## **Box:** Generalised chronology of changing conditions in the lower Murrumbidgee and Lachlan rivers.

Palaeo-hydrologic conditions in the Murrumbidgee have been deciphered and dated by Page and Nanson (1996), Page, Nanson and Price (1996), and Page *et al.*, (2001).

Colleambally phase 105,000 to 80,000 years ago the Murrumbidgee had bankfull discharge about five times the Holocene level (ie., modern level).

Kerarbury phase 55,000 to 35,000 years ago the Murrumbidgee had bankfull discharge about eight times the Holocene level.

Gum Ck phase 35,000 to 25,000 years ago the Murrumbidgee had bankfull discharge about 4.5 times the Holocene level. The Gum Creek palaeochannel carried large volumes of sand bedload but no source bordering dunes are associated with this landscape.

Yanco phase 20,000 to 13,000 years ago last glacial maximum, stream flow was reduced.

Present conditions established by 12,000 years ago.

### Lake Mungo chronology (Bowler 1998, Bowler et al., 2003)

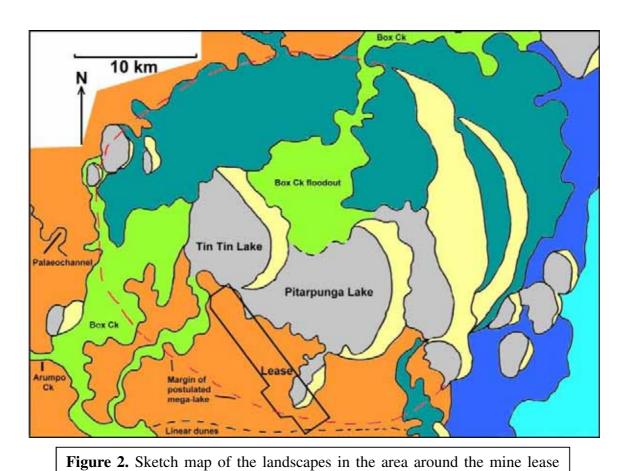
Pre-Mungo red soil was developed on clayey sands by 70,000 years ago when lake levels alternated between full and empty.

The Mungo Unit is divided into upper and lower horizons, blown sand and pelletted clay from the lake floor accumulated between 40,000 and 25,000 years ago and was cut by waves (with beach facies of carbonate gravel and reed rhizomorphs) during periods of high lake levels.

During the LGM starting at about 25,000 years ago the lake was generally shallow and dry although Lakes Arumpo and Leaghur both have shell lenses containing fish bones dating to 24,000 and 26,000 years ago.

The last stages of Lake Mungo wetting are represented by sediments of pelleted saline mud and clay of the Zanci Unit.

By 15,000 years ago the lake dried permanently, lunette building ceased and the landscape was stabilised until Europeans arrived and sheep overgrazed the country. Lakes Menindee and Tandou still contained water after 15,000 reflecting the differences in stream connection between the Darling and the Lachlan. There may also have been changes in the dominant river path on the Lachlan River when flows may have switched from Willandra Ck to Marrowie Ck and/or the present Lachlan River channel.



based on Google earth images.

Suggested margin of mega-lake

Murrumbidgee meander plain

Box Ck backplain

Dry lake beds

Lunettes

Box Ck meander

Sand plain, linear dunes

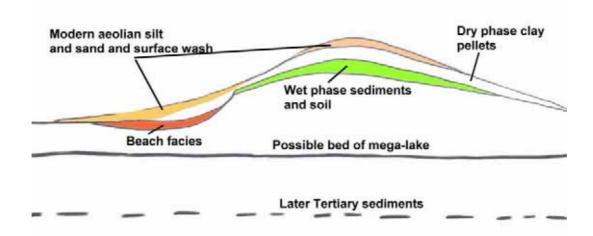
in the south



plain

Figure 3. View west from the crest of the lunette on Tin Tin Lake showing the grey clay soil and chenopod plain of the dry lake bed.

Archaeologically these suggestions are important because they indicate that the lunettes of these lakes may contain an archaeological record similar to that at Lake Mungo. No exposed sections were seen in the lunettes but given that the lakes must once have been filled then beach facies of some sort (possibly shell or rounded carbonate nodules) can be expected, a wet phase soil must exist within the lunette, and these units must be buried by the dry phase clay pellet layer that is visible over most of the surface. The surface of the lunettes today have been degraded by post-European wind-blown fine sand, silt and clay and the lake margin where the beach should be is covered by clays eroded from the lunette slope. This event/material sequence is summarised in Figure 4 Note that this figure has not been confirmed but it does provide a strategy for searching for older Aboriginal sites that may be expected in/on the surface of the wet phase soil.



**Figure 4.** Schematic stratigraphy predicted for the lunettes. The most likely material to contain old Aboriginal archaeology is the wet phase sediment and soil (pale green).

### Landscape and vegetation change after 150 years of European management

To assist understanding of land use patterns reflected in the Aboriginal archaeology it is necessary to appreciate the extent of change induced by European land management in the past 150 years. The broad picture for western NSW has been outlined by Mitchell (1991) and more detail concerning the effects of grazing on individual plants and vegetation associations can be found in Beadle (1948).

Broadly the vegetation can be divided into three main groups depending on the response of particular species to heavy grazing pressure.

- Palatable plants, particularly softer herbs, nutritious grasses and some of the annual saltbushes are rapidly consumed, set seed less frequently and decrease in abundance over time.
- Less nutritious and less palatable plants, and those with some form of defence such as prickles or toxic components are not grazed so heavily and these tend to increase in abundance. Most of the bluebushes are in this category and their present abundance on the sandplain country is a measure of change from the natural condition where grasses and annual herbs would originally have been dominant.
- The third group of plants in the rangeland is also composed of increaser species and these are the exotics (invasive weeds) that are particularly successful as colonizers of bare soil. They are usually prickly, unpalatable to stock, and/or toxic.

In addition to changed vegetation cover the soil itself has been modified by stock trampling causing the destruction of biological soil crusts (Figure 5) of algae, lichens and bryophytes. The loss of surface crusts exposes the soil to erosion (Eldridge and Tozer 1997).

The clay soils on lunettes are particularly susceptible to water erosion as the clay is easily dispersed on wetting and moves downslope in turbid water. In the sandplain country sheet erosion has stripped all topsoil and exposed large areas of clay B-horizon to form extensive hard surfaced scalds (Figure 6). Such scalds (sometimes called claypans but not to be confused with playas) often have large numbers of stone artefacts and dispersed hearth material on their surface. The total number of visible artefacts provides a rough measure of the density of artefacts in the original topsoil but most of the archaeological context of these items has been lost.

In some places scalds have patchy vegetation mounds on their margin or scattered across the eroded surface (Figures 7 and 8). Such mounds can preserve an original natural soil profile beneath a cap of wind-blown sediment that has been trapped in a clump of bluebush or other vegetation. Vegetation mounds may contain relatively undisturbed archaeology but to reveal it would require excavation.



Figure 5. Typical biological crust in good condition. Composed of algae, lichens and bryophytes these crusts reduce natural rates of soil erosion but are easily destroyed by stock trampling.

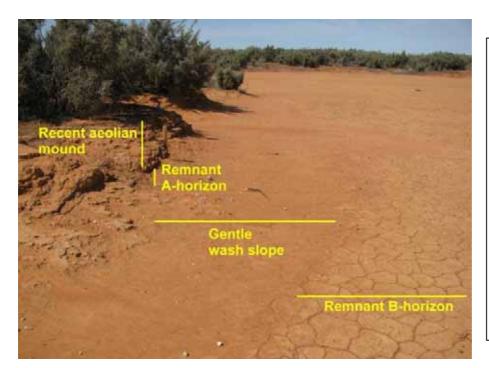


Figure 6. T14 showing a typical scald margin with the exposed Bhorizon forming the scald surface, and a low mound of recent drift sand preserving some A-horizon in which the Aboriginal material is located.



Figure 7. Larger vegetation mound as seen on T14 and elsewhere on scalded surfaces.



Figure 8. Close up of laminated aeolian sand trapped in the vegetation mound shown in Figure 7.

### Lake dynamics

Muckee Lake is smaller version of Pitarpunga Lake and functioned as an overflow lake when water levels in Pitarpunga reach a threshold of about 60m ASL. The lowest point in the bed of Pitrarpunga is about 58m ASL and the lowest part of Muckee Lake is about 55m ASL. Muckee Lake is connected to Pitarpunga by a shallow meandering channel with scalded levees at its north eastern corner. No box trees occur along this channel and there is no sign of any recent flow.

In a lake filling event water would enter Pitarpunga through the Box Ck floodout (Figure 2) and there would be some 2m of water in Pitarpunga before water flowed into Tin Tin and Muckee Lakes. In a major flood Muckee Lake would have a maximum depth of about 8m. This would be quite sufficient for waves to develop and for a beach to form at the base of the lunette. The southern half of Muckee Lake has been cultivated but in the northern half poorly defined vegetated strand lines are visible on the imagery that were probably formed on the last occasion that the lake retained any water, although this was probably only from local rainfall. Similar strand lines can be seen in Pitarpunga Lake. On the bed of Tin Tin Lake a line of scattered black box trees can be seen near the eastern edge. These trees are all estimated to be at least 100 years old and they stand about 200m into the lake from the edge of the lunette. Box trees elsewhere in Tin Tin and Pitarpunga are larger and apparently older and there are no younger cohorts that would have been established if the lake had filled at any time in the last century.

On most of the lakes of western NSW archaeological traces of human occupation are found in the lunette but examination of the lunettes in this system revealed very little archaeology (but see WB66 below). There are four probable reasons for this;

1. The clay lunettes are not attractive campsites when the ground is wet as the clay surface is so sticky.

- 2. There are no trees on the lunettes and therefore fuel for campfires is limited.
- 3. During dry lake conditions the lunette is not likely to have been occupied without other local sources of water being available.
- 4. Hunting conditions on the open plain would be challenging.

## Comment on particular Aboriginal sites. WB40 and 41

Beyond the western shore of Muckee Lake there is an extensive low density site (WB40 and WB41) with hearths, scattered flakes and a small number of grindstone pieces. Exposed artefacts have been winnowed from the natural soil by wind and water erosion leaving a scalded and gullied surface (Figure 9) and the artefacts are widely dispersed. It is unlikely that many artefacts have been collected from this site and therefore the total artefact exposure gives a good indication of artefact density in the natural soil.



**Figure** 9. General view of the partly scalded and eroded surface of WB40. Trees in the background are belah woodland that once would have been more extensive.

WB40 is exposed on the gentle slopes draining toward Muckee Lake. During the early stages of scald formation (probably during the 1895 to 1902 drought) drift sand was trapped in shrubby vegetation (mainly bluebush) to form vegetation mounds constructed of bedded aeolian sand. Some of these mounds are up to 1m thick and as much as 8m long. They sit unconformably on natural soil that has a texture contrast profile with a subtle bleach in the  $A_2$ -horizon and a B-horizon of grey brown clay (Figure 10).

Prior to the arrival of sheep this site would have had a soft sandy surface with a well formed biological crust and carrying more nutritious grasses, and annual saltbush in an open belah community. In contrast to the lunette on the other side of Muckee Lake this would have been a more attractive camp site. Today the area is in a recovery phase after severe degradation and is now dominated by bluebush and annual grasses with much of the belah dead and fallen.

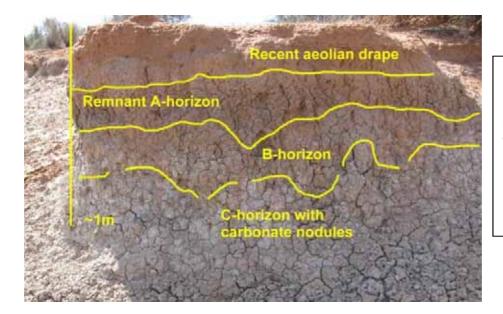


Figure 10. Exposed soil profile in a gully face on WB40. The grey clay Chorizon may be part of an old lake floor.

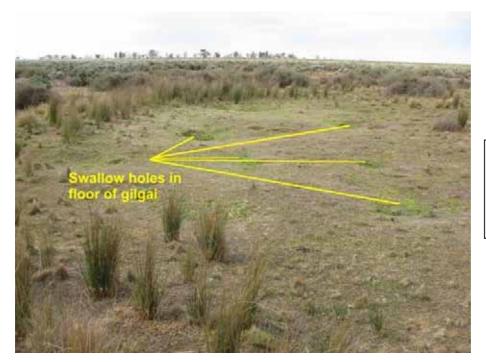
Belah country on heavy soil often features gilgai micro-topography and this location is no exception (Figure 11). Depressions up to 1m deep and 15 to 20m in diameter are common west and southwest of WB40. After heavy local rain these depressions would hold water for at least some weeks and would support green grass, nardoo and in a few cases *Juncus* rush.

Gilgai are poorly understood micro-topographic landforms that are common on the western plains but are also found in areas of higher rainfall such as the Darling Downs and in the brigalow belt of Queensland (Paton 1974). They are often associated with cracking clay soils where repeated shrinking and swelling is believed to form a network of low ridges and central depressions. In other cases they are attributed to layered clays with different bearing capacity that overturn when the deeper and weaker clay is saturated. A third probable cause of the landform is that they are a form of clay based karst topography where clays in the subsoil are pervected to deeper layers or moved laterally to other locations. At WB40 this last mechanism seems more likely as prominent 'swallow holes' (a form of tunnel erosion) are present in the floor of the depressions (Figure 12).

The mechanics of gilgai formation are not important archaeologically but the presence of gilgai is as they become temporary wetlands that retain surface water in otherwise dry country for some weeks to perhaps months after exceptional local rain. It seems probable that occupation of WB40/41 was not focussed on Muckee Lake but on the occasional exploitation of gilgai and the surrounding country in good seasons. If this scenario is correct then dates on hearths from WB40/41 are likely to be late Holocene to 'modern' and would not be expected to have any clear link to dates on Muckee Lake lunette.



Figure 11. Gilgai depression near WB40. Note the grren centre and *Juncus* clumps on the margin.



**Figure 12.** Another gilgai near WB40 with open swallow holes on the floor.

### **T7 WB42**

The site WB42 on T7 presented difficulty in the interpretation of the landform. On the imagery it appears to be a sub-circular depressed feature defined by old man saltbush in grey brown clay with gilgai and swallow holes some of which have nardoo growing in them. The edge of the larger depression seemed to match a circle of dead box trees and there is a sharp 1m rise on the southern edge and a more gentle 1m rise on the northern edge. Both sides are in a brown texture contrast soil. Overall there is little erosion across this feature and the numerous hearths located are fairly intact. These parameters suggest it was a box swamp or perhaps a small lake form but neither explanation was a comfortable fit and an alternative model of the site being located on a palaeo-channel was considered.

However there is no evidence of any sinuous pattern that would be expected of a channel and closer examination showed that T7 was isolated from a recognisable channel adjacent to T10 by a calcrete cored ridge and therefore the site had to be considered as a distinctive feature.

After tracing some of the gilgai it became evident that these had a linear pattern like a discontinuous surface channel (creek line) and that the box trees tended to be found on the margins of this pattern. After checking elevations on Google Earth it was concluded that WB42 was a small floodout or run-on zone receiving surface water from the carbonate cored ridge to the south and from a longer slope to the northwest.

The focus for Aboriginal occupation was apparently the same as at WB40 in that the gilgai were important as temporary wetlands and water sources. Water would only be available after heavy rain and then only for a matter of weeks. As the water soaked away supplies might be extended for a short period by excavation but the gilgai would not function as a groundwater resource that could be tapped in dry times.

It is probable that the present domination of the site by old man saltbush is itself an artefact of past grazing regimes and during Aboriginal times it may have been a more open grassland community with living black box.

### **WB45 T10**

WB45 is a large site exposed on an extensive severe scald located on a levee on the flank of a palaeo-channel. Attempts have been made to stabilise the scald by cutting a coarse pattern of ditches to trap sediment, water and seeds. This was unsuccessful and many ditches have become rills. Present day drainage feeds water from the scald surface into a canegrass/*Juncus* swamp on the palaeo-channel (Figure 13). The swamp has a margin of black box and also grows beds of nardoo. The swamp was moist and green at the time of inspection but did not contain any surface water.

Little of WB45 is intact and this area may not justify more archaeological work although a dating program would be informative.



Figure 13.
Large swamp in a palaeochannel adjacent to WB45.

This area now receives more water from the scalded slope than it may have during Aboriginal times.

### **WB66**

This site is located on the lunette of Muckee Lake and is the only substantive site yet found on any of the lunettes. It was located in the last days of the site survey and the following comments are based on photographs as it was not seen by this author.

The site contains scattered heat retainers of caliche, artefacts including one made of mussel shell and a fragment of burnt *Genyornis* egg shell. These materials appear to have eroded from a buried soil in the lunette that may be the first identified site where the wet phase sediment and soil predicted in Figure 4 has been located.

Initial interpretation is that this site is very likely to be of Pleistocene age and it is therefore potentially very important archaeologically.

### Ovens/earth mounds on the power line.

Large mounds of heat retainers were located on the present power line about 13.5km south west of Balranald. On Google imagery the location is on the edge of a cultivated paddock in a small triangle of land that has not been cultivated and that contains a clump of black box trees. Soil in the paddock is grey sandy clay and there is a vague sinuous feature running to the north that may be a palaeo-channel and levees of the Murrumbidgee River or one of its distributaries.

In the field it was immediately evident that this Aboriginal site was based on a large gilgai set. The biggest gilgai depression in the box trees has been modified by the land holder by diverting surface flow into the pond and perhaps by deepening the pond. Smaller gilgai depressions surround the main pond and these are about 20 to 25m in diameter and over 1m deep (Figure 14).



Figure 14.
Prominent gilgai depression in black box on the power line route.

Carbonate nodules and rhizomorphs derived from the subsoil are found on the ridges around the gilgai depression indicating that this gilgai was formed when two layers of clay with different bearing capacity were naturally overturned. The depressions are larger than average and would hold much more water than those seen at WB40 and elsewhere. Today the site has

been modified by drainage ditches and the scalded surface may yield more runoff than the site originally had and this is all channelled into the main depression. In the past all of the gilgai on this site may have flooded with heavy local rain and the waterholes may have had sufficient longevity to support water plants such as *Typha* that may have been the main attraction for Aboriginal people.

The oven mounds (Figure 15) are all composed of burnt clay nodules and range in size from a normal hearth to a very large feature estimated as 25m long and 18m across with an average height of 40cm and a peak (of the most recent oven) about 80cm high (Figure 16). The function of the mounds is unknown and further investigation should be guided by the work of Martin (2011) done elsewhere on the Lachlan and lower Murrumbidgee.

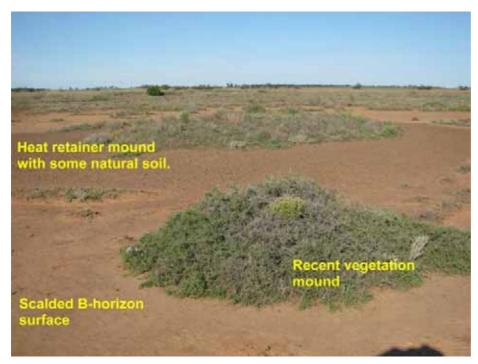


Figure 15.
Large oven mound and recent vegetation mound on the scalded surface near the gilgai on the power line route.



Figure 16. Very large, intact oven mound adjacent to the gilgai on the power line route.

Survival of this cluster of mounds and the associated gilgai in a landscape dominated by cultivation for wheat crops has been by chance. Other dark areas of soil exposed in cultivated paddocks are visible on Google images along the palaeo-channel and in adjacent paddocks, notably 500m east and 1.4km northwest of this site but if mounds were associated with any of these they have probably been destroyed. The land holder has used the gilgai as a convenient water source but most other similar areas have been ploughed out and if oven mounds were associated with them they have probably been destroyed.

More gilgai and perhaps associated mounds may be preserved along the stock route on the Kyalite-Balranald road about 4km east of the site.

Given the extent of cultivation in this landscape it appears that this mound and gilgai complex may be one of the last that is reasonably intact and in that case its future management and preservation will depend on the land holder. It would be desirable to avoid any site modification and the easiest way this could be achieved would be to fence the site from traffic, cultivation and stock.

### **Conclusions**

Within the vicinity of the mine lease there is a complex fluvial and lacustrine landscape the history of which extends through the Pleistocene and has a similar story of increasing aridity and changing human occupation as known at Lake Mungo. The sequence of declining river flow and drying lakes however may not be in phase with Lake Mungo if channel switching was an important part of the geomorphic processes operating on the Lachlan alluvial fan.

Three different patterns of human occupation may be evident:

- 1. Pleistocene occupation of the lunettes during lake full periods.
- 2. Construction of large oven mounds on large gilgai at an unknown time.
- 3. Dispersed and episodic occupation of the sand plain country based on smaller gilgai after the lakes dried up.

Probably the oldest site is WB65 on the lunette of Muckee Lake. This seems to be located in the predicted wet phase sediments and soil (Figure 4) and the presence of burnt *Genyornis* egg shell indicates that it is of Pleistocene age. The potential importance of this site to Australian pre-history cannot be over-emphasised. An approach to the further investigation of this site would be to examine it stratigraphically and to date the enclosing sediments using OSL or TL. Detailed archaeological investigation may be warranted.

The oven mounds on the gilgai along the power line are an unusual form of Aboriginal land use. They may once have been more common but modern cultivation for wheat crops has probably destroyed most others although a search for similar features along the stock route may reveal more. Further disturbance of this site can probably be avoided during power line construction but its future management depends on the land holder. The mounds themselves could be further investigated to determine their age and function.

After the lakes dried permanently Aboriginal people apparently used the landscape quite differently and WB40/41 and WB42 are examples of this form of land use. This was a dispersed occupation of the sand plain country based on ephemeral water supplies and wetlands provided by flooded gilgai. Little is known of this pattern of activity and these sites provide an opportunity for OSL or TL dating of the sediments and archaeological investigation of the deposits.

With the exception of WB42 these sand plain sites are all at least partly scalded and therefore much of the archaeological integrity has been destroyed by erosion. However reasonably intact hearths can be dated, surface collection of artefacts may be warranted, and there may be opportunity to investigate *in situ* deposits beneath vegetation mounds if such features can be located. Further work on the very large scalded sites such as at T1 and T14 is probably not warranted.

### References

Beadle NCW 1948. The vegetation and pastures of western New South Wales with special reference to soil erosion. Dept. of Conservation, Government Printer 281p

Bowler, J.M., 1998. Willandra Lakes revisited: environmental framework for human occupation. *Archaeol in Oceania* 33, 120-155.

Bowler, J.M., Johnston, H., Olley, J.M., Prescott, J.R., Roberts, R.G., Shawcross, W., and Spooner, N.A., 2003. New ages for human occupation and climatic change at Lake Mungo, Australia. *Nature* 421, 837-840.

Brown C.M. and Stephenson A.E. 1991. Geology of the Murray Basin [southeastern Australia] (1:1 000 000 scale map). Bureau of Mineral Resources, Australia, Canberra. 1:1m scale digital data.

Butler B.E., Blackburn G., Bowler J.M., Lawrence C.R., Newell J.W. and Pels J. 1973. *Geomorphic map of the Riverine Plain of South-Eastern Australia.* 1; 500,000 Tranverse Mercator projection. Australian National University Press.

Capon, S., Reid, M., Thoms, M., and Parsons, M. 2008. *Ecological Character Description of the Lower Lachlan Floodplain Wetlands*. (Riverine Landscapes Laboratory, University of Canberra) 115pp

Eldridge, D.J. circa 1972 *Land Systems of the Balranald Sheet SI54-12*. 1:250,000 scale. Soil Conservation Service of NSW.

Eldridge, D.J. and Tozer, M.E. 1997. A Practical Guide to Soil Lichens and Bryophytes of Australia's Dry Country. Department of Land and Water Conservation, Sydney. 80p

Harrison, G.L. 1957. Report on the River Murray floor problem, with particular reference to the 1956 flood prepared by under the direction of the River Murray Commission. 47p

Hesse, P.P., Magee, J.W. and van der Kaars, S. 2004. Late Quaternary climates of the Australian arid zone: a review *Quaternary International* 118–119: 87-102

Kelly, T.E., Grün, R., Moffat, I., Fitzsimmons K., and Williams, I. 2012. Landscape evolution and palaeoenvironment reconstruction of the Lake Mulurulu lunette, Willandra Lakes World Heritage Area, NSW. Research School of Earth Sciences, The Australian National University, Canberra, ACT 0200, Australia. http://rses.anu.edu.au/research/research-highlights/landscape-evolution-and-palaeoenvironment-reconstruction-lake-mulurulu

Martin, S. 2011 Palaeoecological evidence associated with earth mounds of the Murray Riverine Plain, south-eastern Australia. *Environmental Archaeology* 16(2): 162-172

Mitchell P.B. 1991. Historical perspectives on some vegetation and soil changes in semi-arid New South Wales. *Vegetatio* 91: 169-182

O'Brien and Burne, 1994. The Great Cumbung Swamp -terminus of the low-gradient Lachlan River, eastern Australia. *AGSO Journal of Australian Geology and Geophysics*, 15: 223 - 233.

Page, K.J., and Nanson, G.C., 1996, Stratigraphic architecture resulting from late Quaternary evolution of the Riverine Plain, south-eastern Australia: *Sedimentology*, 43:927-945.

Page, K., Nanson, G., and Price, D., 1996, Chronology of Murrumbidgee River palaeochannels on the Riverine Plain, southeastern Australia: *Journal of Quaternary Science*, 11: 311-326

Page, K.J., Dare-Edwards, A.J., Owens, J.W., Frazier, P.S., Kellett, J., and Price, D.M. 2001. TL chronology and stratigraphy of riverine source bordering sand dunes near Wagga Wagga, New South Wales, Australia. *Quaternary International* 83-85:

Paton, T.R. 1974. Origin and terminology of gilgai in Australia. Geoderma 11: 221-242

Sahukar R., Gallery C., Smart J., and Mitchell P. 2003. *The bioregions of New South Wales, their biodiversity, conservation and history.* NSW Nat. Parks and Wildlife Service 287p

Schumm, S.A., 1968, River adjustment to altered hydrologic regimen - Murrumbidgee River and paleochannels, Australia: *U.S. Geological Survey Professional Paper* 598, 65 p.

Scott, J.A. 1992. Natural vegetation of the Balranald – Swan Hill (New South Wales) 1:250,000 map sheet. Royal Botanic Gardens Sydney. See also Cunninghamia 2 (4).

## Appendix 3 – AHIMS Search Results



Your Ref Number : Iluka2\_AA

Client Service ID: 70565

GOVERNMENT	Zitterisive search	one not report								
SiteID	<u>SiteName</u>	<u>Datum</u>	<b>Zone</b>	Easting	Northing	Context	Site Status	<u>SiteFeatures</u>	<u>SiteTypes</u>	Reports
-5-0001	Lake Waldaira;	AGD	54	712960	6163793	Open site	Valid	Burial : -	Burial/s	
	Contact	Recorders	ASRS	SYS				<u>Permits</u>		
7-5-0002	Balranald;	AGD		714000	6167900	Open site	Valid	Modified Tree (Carved or Scarred) : -	Scarred Tree	
	<u>Contact</u>	<u>Recorders</u>		lliams				<u>Permits</u>		
-5-0003	Balranald;	AGD	54	713900	6167800	Open site	Valid	Modified Tree (Carved or Scarred) : -	Scarred Tree	
	<u>Contact</u>	<u>Recorders</u>	K Wi	lliams				<u>Permits</u>		
7-6-0182	·	GDA		730047	6161103	Open site	Valid	Modified Tree (Carved or Scarred) : -		
	<u>Contact</u> Searle	<u>Recorders</u>			rke,Mr.Malcoln			<u>Permits</u>		
7-6-0183	Lower Boundary 32	GDA	54	730039	6161221	Open site	Valid	Modified Tree (Carved or Scarred) : -		
	<u>Contact</u> Searle	<u>Recorders</u>	Mr.La	awrence Cla	rke,Mr.Malcoln	n Ridges		<u>Permits</u>		
'-6-0184	Lower Boundary 33	GDA	54	729891	6161203	Open site	Valid	Modified Tree (Carved or Scarred) : -		
	<u>Contact</u> Searle	Recorders	Mr.La	awrence Cla	rke			<u>Permits</u>		
7-6-0185	Lower Boundary 34	GDA	54	729937	6161349	Open site	Valid	Modified Tree (Carved or Scarred) : -		
	<u>Contact</u> Searle	<u>Recorders</u>	Mr.L	awrence Cla	rke,Mr.Malcoln	n Ridges		<u>Permits</u>		
7-6-0186	·	GDA		729876	6161418	Open site	Valid	Modified Tree (Carved or Scarred) : -		
	<u>Contact</u> Searle	<u>Recorders</u>		awrence Cla				<u>Permits</u>		
'-6-0187	Lower Boundary 36	GDA	54	729868	6161428	Open site	Valid	Modified Tree (Carved or Scarred) : -		
	<u>Contact</u> Searle	<u>Recorders</u>	Mr.L	awrence Cla	rke			<u>Permits</u>		
7-6-0188	Lower Boundary 37	GDA	54	729923	6161646	Open site	Valid	Modified Tree (Carved or Scarred) : -		
	<u>Contact</u> Searle	Recorders	Mr.La	awrence Cla	rke,Mr.Malcoln	n Ridges		<u>Permits</u>		

Report generated by AHIMS Web Service on 22/05/2012 for Clare Anderson for the following area at Datum: GDA, Zone: 54, Eastings: 700000 - 730000, Northings: 6140000 - 6200000 with a Buffer of 50 meters. Additional Info: Archaeological assessment for proposed sand mine.. Number of Aboriginal sites and Aboriginal objects found is 117



Your Ref Number : Iluka2\_AA

Client Service ID: 70565

GOVERNMENT		 								
<u>SiteID</u>	<u>SiteName</u>	<u>Datum</u>	<u>Zone</u>	Easting	Northing	Context	Site Status	<u>SiteFeatures</u>	<u>SiteTypes</u>	Reports
7-6-0189	Lower Boundary 38	GDA	54	729997	6161601	Open site	Valid	Artefact : -, Hearth : -		
	<b>Contact</b> Searle	Recorders	Mr.L	awrence Cla	rke			<u>Permits</u>		
7-6-0190	Lower Boundary 39	GDA	54	730009	6161595	Open site	Valid	Hearth : -		
	<u>Contact</u> Searle	Recorders	Mr.L	awrence Cla	rke			<u>Permits</u>		
7-6-0139	Lower Boundary 21	GDA	54	730023	6161043	Open site	Valid	Modified Tree		
								(Carved or Scarred):		
								-		
	<u>Contact</u> Searle	Recorders				d Ells,Mr.Jesse Ch		<u>Permits</u>		
-6-0140	Lower Boundary 22	GDA	54	729986	6161065	Open site	Valid	Modified Tree		
								(Carved or Scarred) :		
	Contact Searle	Recorders	MrM	lark Brettsch	neider Mr Iare	d Ells,Mr.Jesse Ch	arles	- Permits		
7-6-0141	Lower Boundary 23	GDA		729798		Open site	Valid	Modified Tree		
								(Carved or Scarred):		
								-		
	<u>Contact</u> Searle	<u>Recorders</u>	Mr.M	Iark Brettscl	nneider,Mr.Jare	d Ells,Mr.Jesse Ch	arles	<u>Permits</u>		
7-6-0142	Lower Boundary 24	GDA	54	729817	6160884	Open site	Valid	Modified Tree		
								(Carved or Scarred) :		
	0.1.1	D 1	N N			LEIL M. I. CI.	1	- D		
7-6-0143	<b>Contact</b> Searle Lower Boundary 25	<u>Recorders</u> GDA		729933		d Ells,Mr.Jesse Ch	aries Valid	Permits  Modified Tree		
7-0-0143	Lower Boundary 25	GDA	34	727733	0100/31	Open site	vallu	(Carved or Scarred):		
								-		
	<b>Contact</b> Searle	Recorders	Mr.M	Iark Brettsch	nneider,Mr.Jare	d Ells,Mr.Jesse Ch	arles	<u>Permits</u>		
'-6-0144	Lower Boundary 26	GDA		730019	6160693		Valid	Modified Tree		
								(Carved or Scarred):		
								-		
	<u>Contact</u> Searle	Recorders				d Ells,Mr.Jesse Ch		<u>Permits</u>		
7-6-0065	Lower Boundary 04	GDA	54	730020	6161351	Open site	Valid	Modified Tree		
								(Carved or Scarred) :		
	<b>Contact</b> Searle	Recorders	MrIa	a Yia Mr Dai	mien Charles M	Ir.Daniel Kelly,Mr.	David RMR Crow	- Permits		
7-6-0066	Lower Boundary 05	GDA		730050	6161356		Valid	Modified Tree		
		32.1		. 50000	1101000	- F-0.1. 0.100	,	(Carved or Scarred) :		
								-		
	<u>Contact</u> Searle	Recorders	Mr.Jo	oe Xie,Mr.Dai	mien Charles,M	Ir.Daniel Kelly,Mr.	David RMB Crew	<u>Permits</u>		
17-2-0124	TIN TIN 307	GDA	54	727021	6196861	Open site	Valid	Hearth : -		

Report generated by AHIMS Web Service on 22/05/2012 for Clare Anderson for the following area at Datum :GDA, Zone : 54, Eastings : 700000 - 730000, Northings : 6140000 - 6200000 with a Buffer of 50 meters. Additional Info : Archaeological assessment for proposed sand mine.. Number of Aboriginal sites and Aboriginal objects found is 117



Your Ref Number : Iluka2\_AA

Client Service ID: 70565

iteID	<u>SiteName</u>	<u>Datum</u>	Zone	Easting	Northing	<b>Context</b>	Site Status	<u>SiteFeatures</u>	<u>SiteTypes</u>	Reports
	Contact	Recorders	Mr	J	ms,Mr.Claude			Permits		· —
'-2-0125	TIN TIN 308	GDA		727052			Valid	Hearth : -		
	Contact	Recorders	Mr	Roland Willia	ms,Mr.Claude	lackson		<u>Permits</u>		
'-2-0126	TIN TIN 309	GDA	54	727070	6196830	Open site	Valid	Artefact : -, Hearth : -		
	Contact	Recorders	Mr	Roland Willia	ms,Mr.Claude	ackson		<u>Permits</u>		
-2-0127	TIN TIN 310	GDA	54	727105	6196861	Open site	Valid	Hearth : -		
	Contact	Recorders	Mr	Roland Willia	ms,Mr.Claude	ackson		<u>Permits</u>		
-2-0128	TIN TIN 311	GDA	54	727105	6196867	Open site	Valid	Hearth : -		
	Contact	Recorders	Mr	Roland Willia	ms,Mr.Claude	ackson		<u>Permits</u>		
-2-0129	TIN TIN 312	GDA	54	727103	6196880	Open site	Valid	Earth Mound : -		
	Contact	Recorders	Mr	Roland Willia	ms,Mr.Claude	ackson		<u>Permits</u>		
2-0130	TIN TIN 314	GDA	54	727484	6196236	Open site	Valid	Artefact : -, Hearth : -		
	Contact	Recorders	Mr	Roland Willia	ms,Mr.Claude	ackson		<u>Permits</u>		
-2-0131	TIN TIN 315	GDA	54	727492	6196254	Open site	Partially Destroyed	Hearth : -		
	Contact	Recorders	Mr	Roland Willia	ms,Mr.Claude	ackson		<u>Permits</u>		
2-0132	TIN TIN 316	GDA	54	727479	6196309	Open site	Valid	Earth Mound : -		
	Contact	Recorders	Mr	Roland Willia	ms,Mr.Claude	ackson		<u>Permits</u>		
2-0133	TIN TIN 317	GDA	54	729354	6198055	Open site	Valid	Hearth : -		
	Contact	Recorders	Mr	Roland Willia	ms,Mr.Claude	lackson		<u>Permits</u>		
2-0134	TIN TIN 318	GDA	54	729763	6198152	Open site	Valid	Artefact : -		
	Contact	Recorders	Mr	Roland Willia	ms,Mr.Claude	lackson		<u>Permits</u>		
2-0096	tin tin 201	GDA	54	726817	6197034	Open site	Valid	Hearth : -		
	Contact	Recorders	Do	ctor.Sarah Ma	rtin,Ms.Karen	Murray		<u>Permits</u>		
2-0097	tin tin 202	GDA	54	726831	6197035	Open site	Valid	Hearth : -		
	Contact	Recorders	Do	ctor.Sarah Ma	rtin,Ms.Karen	Murray		<u>Permits</u>		
2-0098	tin tin 203	GDA	54	726812	6197042	Open site	Valid	Hearth : -		
	Contact	Recorders	Do	ctor.Sarah Ma	rtin,Ms.Karen	Murray		<u>Permits</u>		
2-0099	tin tin 204	GDA	54	726816	6197104	Open site	Valid	Hearth : -		
	Contact	Recorders	Do	ctor.Sarah Ma	rtin,Ms.Karen	Murray		<u>Permits</u>		
2-0100	tin tin 206	GDA	54	726845	6197100	Open site	Valid	Artefact : -		
	Contact	Recorders	Do	ctor.Sarah Ma	rtin,Ms.Karen	Murray		<u>Permits</u>		
2-0101	tin tin 208	GDA	54	726895	6197049	Closed site	Valid	Hearth : -		

Report generated by AHIMS Web Service on 22/05/2012 for Clare Anderson for the following area at Datum: GDA, Zone: 54, Eastings: 700000 - 730000, Northings: 6140000 - 6200000 with a Buffer of 50 meters. Additional Info: Archaeological assessment for proposed sand mine.. Number of Aboriginal sites and Aboriginal objects found is 117



Your Ref Number : Iluka2\_AA

Client Service ID: 70565

SiteID .	<u>SiteName</u>	<b>Datum</b>	<b>Zone</b>	<b>Easting</b>	<b>Northing</b>	<b>Context</b>	Site Status	SiteFeatu	<u>es</u>	<u>SiteTypes</u>	Reports
	Contact	Recorders	Doct	or.Sarah Mar	tin,Ms.Karen l	<i>l</i> urray			<b>Permits</b>		
7-2-0102	tin tin 209	GDA	54	726982	6197017	Open site	Valid	Hearth : -			
	Contact	Recorders	Doct	or.Sarah Mar	tin,Ms.Karen I	Murray			<u>Permits</u>		
7-2-0103	tin tin 210	GDA	54	727089	6196994	Open site	Valid	Hearth:-			
	Contact	Recorders	Doct	or.Sarah Mar	tin,Ms.Karen l	⁄lurray			<b>Permits</b>		
7-2-0104	tin tin 211	GDA	54	727270	6197066	Open site	Valid	Earth Mou	nd : -		
	Contact	Recorders	Doct	or.Sarah Mar	tin,Ms.Karen I	Murray			<u>Permits</u>		
7-2-0105	tin tin 212	GDA	54	727135	6197177	Open site	Valid	Hearth : -			
	Contact	Recorders	Doct	or.Sarah Mar	tin,Ms.Karen l	Aurrav			<u>Permits</u>		
7-2-0106	tin tin 213	GDA		727097	6197183	-	Valid	Hearth:-			
	Contact	Recorders	Doct	or.Sarah Mar	tin,Ms.Karen l	/urrav			<u>Permits</u>		
7-2-0107	tin tin 207	GDA		727065	6197155	•	Valid	Hearth : -			
	Contact	Recorders	Doct	or Sarah Mar	tin,Ms.Karen l	_			Permits		
7-2-0108	tin tin 214	GDA			6196896		Valid	Hearth : -			
	<u>Contact</u>	Recorders			tin,Ms.Karen l	•			<u>Permits</u>		
7-2-0109	tin tin 215	GDA			6196192	•	Valid	Hearth : -			
	Contact	Recorders			tin,Ms.Karen l	•			Permits		
7-2-0110	tin tin 216	GDA			6196245		Valid	Hearth : -	<u>i ci mics</u>		
	Contact	Recorders			tin,Ms.Karen I	•			<u>Permits</u>		
7-2-0111	_ <del></del>	GDA			6196278	•	Valid	Hearth : -	rermits		
2 0111		Recorders				•	vanu	ireartii.	Downita		
7-2-0112	Contact tin tin 220	GDA			tin,Ms.Karen M 6197412		Valid	Hearth : -	<u>Permits</u>		
7-2-0112						•	vanu	iicai tii	<b>.</b>		
7-2-0113	Contact tin tin 219	Recorders GDA		or.saran Mar 728727	tin,Ms.Karen M 6197311	•	Valid	Hearth : -	<u>Permits</u>		
7-2-0113						_	valiu	neartii:-	<b>.</b>		
7 2 0114	Contact	Recorders			tin,Ms.Karen I		17-1: J	II l	<u>Permits</u>		
7-2-0114		GDA			6197317		Valid	Hearth : -			
7.0.0445	Contact	Recorders			tin,Ms.Karen I	•	77 1: 1	A . C .	<u>Permits</u>		
7-2-0115	tin tin 222	GDA			6197310	_	Valid	Artefact : -			
	Contact	Recorders			tin,Ms.Karen l				<u>Permits</u>		
7-2-0117	tin tin 225	GDA			6197201		Valid	Hearth : -			
	Contact	Recorders			tin,Ms.Karen I	•			<u>Permits</u>		
7-2-0162	tin tin 1	GDA	54	726814	6197029	Open site	Valid	Hearth : -			
	<u>Contact</u>	Recorders	Doct	or.Sarah Mar	tin,Mr.Julian P	itts			<b>Permits</b>		

Report generated by AHIMS Web Service on 22/05/2012 for Clare Anderson for the following area at Datum :GDA, Zone : 54, Eastings : 700000 - 730000, Northings : 6140000 - 6200000 with a Buffer of 50 meters. Additional Info : Archaeological assessment for proposed sand mine.. Number of Aboriginal sites and Aboriginal objects found is 117



Your Ref Number : Iluka2\_AA

Client Service ID: 70565

SiteID .	SiteName	Datum	Zone	Easting	Northing	Context	Site Status	SiteFeatures		<u>SiteTypes</u>	Reports
47-2-0163	tin tin 2	GDA		726812	6197096	Open site	Partially	Hearth : -		<del>21121, p.22</del>	ALPOTAL.
							Destroyed				
	Contact	Recorders	<u>Doct</u>	or.Sarah Mar	tin,Mr.Julian P	itts		<u>P</u>	<u>ermits</u>		
47-2-0164	tin tin 3	GDA	54	726808	6197106	Open site	Partially	Hearth : -			
							Destroyed				
	Contact	Recorders			tin,Mr.Julian P				<u>ermits</u>		
7-2-0165	tin tin 4	GDA	54	726810	6197109	Open site	Valid	Hearth : -			
	Contact	Recorders			tin,Mr.Julian P	itts			<u>ermits</u>		
17-2-0166	tin tin 5	GDA	54	726831	6197134	Open site	Valid	Hearth : -			
	Contact	Recorders	<u>Doct</u>	or.Sarah Mar	tin,Mr.Julian P	itts		<u>P</u>	<u>ermits</u>		
47-2-0167	tin tin 6	GDA	54	726859	6197082	Open site	Partially	Earth Mound	: -,		
							Destroyed	Hearth : -			
	<u>Contact</u>	Recorders			tin,Mr.Julian P				<u>ermits</u>		
47-2-0168	tin tin 7	GDA	54	726887	6197061	Open site	Valid	Hearth : -			
	<u>Contact</u>	Recorders	<u>Doct</u>	or.Sarah Mar	tin,Mr.Julian P	itts		<u>P</u>	<u>ermits</u>		
47-2-0169	tin tin 8	GDA	54	726899	6197054	Open site	Valid	Hearth : -			
	<u>Contact</u>	Recorders	<u>Doct</u>	or.Sarah Mar	tin,Mr.Julian P	itts		<u>P</u>	<u>ermits</u>		
17-2-0170	tin tin 9	GDA	54	727100	6197006	Open site	Valid	Hearth : -			
	Contact	Recorders	Doct	or.Sarah Mar	tin,Mr.Julian P	itts		<u>P</u>	ermits		
17-2-0171	tin tin 10	GDA	54	727110	6197003	Open site	Valid	Hearth : -			
	Contact	Recorders	Doct	or.Sarah Mar	tin,Mr.Julian P	itts		P	ermits		
47-2-0172	tin tin 11	GDA		727129	6197175	Open site	Partially	Hearth : -			
						-	Destroyed				
	Contact	Recorders	Doct	or.Sarah Mar	tin,Mr.Julian P	itts		<u>P</u>	<u>ermits</u>		
47-2-0173	tin tin 12	GDA	54	727102	6197174	Open site	Partially	Artefact : -			
							Destroyed				
	Contact	Recorders			tin,Mr.Julian P			_	<u>ermits</u>		
47-2-0175	tin tin 14	GDA	54	727121	6196910	Open site	Partially	Earth Mound	:-		
	Contact	Recorders	Doct	or Carab Mar	tin,Mr.Julian P	itta	Destroyed	n	<u>'ermits</u>		
17-2-0176	tin tin 15	GDA		727099	6196910	Open site	Partially	Hearth : -	er mits		
17-2-0170	tiii tiii 13	UDA	34	727077	0170710	Open site	Destroyed	iicai tii			
	Contact	Recorders	Doct	or.Sarah Mar	tin,Mr.Julian P	itts	20000,00	P	ermits		
7-2-0177	tin tin 16	GDA		727643	6196122	Open site	Partially	Hearth : -			
						•	Destroyed				
	<u>Contact</u>	Recorders	Doct	or.Sarah Mar	tin,Mr.Julian P	itts		P	ermits		

Report generated by AHIMS Web Service on 22/05/2012 for Clare Anderson for the following area at Datum: GDA, Zone: 54, Eastings: 700000 - 730000, Northings: 6140000 - 6200000 with a Buffer of 50 meters. Additional Info: Archaeological assessment for proposed sand mine.. Number of Aboriginal sites and Aboriginal objects found is 117



Your Ref Number : Iluka2\_AA

Client Service ID: 70565

SiteID	SiteName	Datum	Zone	Easting	Northing	Context	Site Status	SiteFeatures	<u>SiteTypes</u>	Reports
17-2-0178	tin tin 17	GDA	54	728048	6196312	Open site	Valid	Hearth : -		
	Contact	Recorders	Doct	or.Sarah Mar	tin,Mr.Julian P	itts		Pe	ermits	
17-2-0183	tin tin 22	GDA	54	728795	6197221	Open site	Valid	Hearth : -		
	Contact	Recorders	Doct	or.Sarah Mar	tin,Mr.Julian P	itts		<u>Pe</u>	ermits	
47-2-0184	tin tin 23	GDA	54	728717	6197194	Open site	Partially	Hearth : -		
							Destroyed			
47.2.0405	Contact	Recorders			tin,Mr.Julian P		77 1: 1		<u>ermits</u>	
17-2-0185	tin tin 24	GDA				Open site	Valid	Earth Mound :		
.= 0 00.	Contact	Recorders			tin,Ms.Karen N		** ** *		<u>ermits</u>	
47-2-0186	tin tin 25	GDA		729110		Open site	Valid	Hearth : -		
	<u>Contact</u>	Recorders			tin,Ms.Karen N	,			<u>ermits</u>	
47-2-0187	tin tin 26	GDA	54	729210	6196987	Open site	Valid	Hearth : -		
	Contact	Recorders			tin,Ms.Karen N				ermits	
47-2-0188	tin tin 27	GDA	54	729221	6196999	Open site	Valid	Grinding Groo	ve : -,	
	Contact	Recorders	Doct	or Sarah Mar	tin,Ms.Karen N	lurray		Hearth:-	ermits	
17-2-0189	tin tin 28	GDA			6197021	•	Valid	Hearth : -	<u>er mits</u>	
7 2 0107	Contact	Recorders			tin,Ms.Karen N	•	vana		ermits	
17-2-0190	tin tin 29	GDA			6196988		Valid	Hearth:-	<u> </u>	
., 2 0170	Contact	Recorders			tin,Ms.Karen N	•	Varia		ermits	
47-2-0179	tin tin 18	GDA			ип,мѕ.каген к 6197407	3	Valid	Artefact : -	er mires	
17 2 017 )						_	vanu		aumita	
17-2-0180	Contact tin tin 19	Recorders GDA			tin,Mr.Julian P 6197399		Partially	Earth Mound :	<u>ermits</u>	
r/-2-0100	tii tii 19	UDA	34	720713	0197399	Open site	Destroyed	Lai tii Mouliu .		
	Contact	Recorders	Doct	or.Sarah Mar	tin,Mr.Julian P	itts		<u>Pe</u>	ermits	
47-2-0182	tin tin 21	GDA	54	728748	6197270	Open site	Partially	Earth Mound :	: -	
							Destroyed			
	Contact	Recorders			tin,Mr.Julian P				<u>ermits</u>	
7-2-0118	TIN TIN 301	GDA	54	726638	6196797	Open site	Valid	Hearth : -		
	Contact	Recorders			ns,Mr.Claude J			_	<u>ermits</u>	
17-2-0119	TIN TIN 300	GDA	54	726644	6196789	Open site	Valid	Hearth : -		
	Contact	Recorders			ns,Mr.Claude J				<u>ermits</u>	
7-2-0120	TIN TIN 303	GDA	54	726705	6196814	Open site	Valid	Hearth : -		
	Contact	Recorders	Mr.Re	oland Williar	ns,Mr.Claude J	ackson		<u>Pe</u>	<u>ermits</u>	

Report generated by AHIMS Web Service on 22/05/2012 for Clare Anderson for the following area at Datum: GDA, Zone: 54, Eastings: 700000 - 730000, Northings: 6140000 - 6200000 with a Buffer of 50 meters. Additional Info: Archaeological assessment for proposed sand mine.. Number of Aboriginal sites and Aboriginal objects found is 117



Your Ref Number : Iluka2\_AA

Client Service ID: 70565

<u>SiteID</u>	<u>SiteName</u>	<u>Datum</u>	Zone	Easting	Northing	<b>Context</b>	Site Status	<u>SiteFeatures</u>	<u>SiteTypes</u>	<u>Reports</u>
7-2-0121	TIN TIN 304	GDA	54	726797	6196855	Open site	Valid	Hearth : -		
	Contact	Recorders	<u>Mr</u>	:Roland Willia	ms,Mr.Claude J	ackson		<u>Permi</u>	<u>ts</u>	
-2-0122	TIN TIN 305	GDA	54	726862	6196865	Open site	Valid	Hearth : -		
	Contact	Recorders	<u>s</u> Mr	:Roland Willia	ms,Mr.Claude J	ackson		<u>Permi</u>	<u>ts</u>	
-2-0123	tin tin 306	GDA	54	726949	6196832	Open site	Valid	Hearth : -		
	Contact	Recorders	<u>s</u> Mr	:Roland Willia	ms,Mr.Claude J	ackson		<u>Permi</u>	<u>ts</u>	
-2-0174	tin tin 13	GDA	54	727111	6196895	Open site	Valid	Earth Mound : -,		
								Hearth : -		
	Contact	Recorders			rtin,Mr.Julian P			<u>Permi</u>	<u>ts</u>	
-2-0181	tin tin 20	GDA		728709	6197280	Open site	Valid	Earth Mound : -		
	Contact	Recorders			rtin,Mr.Julian P			<u>Permi</u>	<u>ts</u>	
-2-0152	tin tin 117	GDA	54	726952	6196955	Open site	Valid	Hearth : -		
	Contact	Recorders		RENE WOODS				<u>Permi</u>	<u>ts</u>	
-2-0159	tin tin 124	GDA	54	729732	6197952	Open site	Valid	Artefact : -		
	Contact	Recorders	<u>s</u> Mr	RENE WOODS	5			<u>Permi</u>	<u>ts</u>	
-2-0135	TIN TIN 319	GDA	54	729763	6198152	Open site	Valid	Artefact : -		
	Contact	Recorders	<u>s</u> Mr	:Roland Willia	ms,Mr.Claude J	ackson		<u>Permi</u>	<u>ts</u>	
-2-0116	tin tin 224	GDA	54	728721	6197194	Open site	Valid	Hearth : -		
	Contact	Recorders	<u>s</u> Do	ctor.Sarah Ma	rtin,Ms.Karen I	Murray		<u>Permi</u>	<u>ts</u>	
2-0136	tin tin 101	GDA	54	726791	6197023	Open site	Valid	Artefact : -, Hearth	:-	
	Contact	Recorders	<u>s</u> Mr	RENE WOODS	S			<u>Permi</u>	<u>ts</u>	
-2-0137	tin tin 102	GDA	54	726637	6196971	Open site	Valid	Hearth : -		
	Contact	Recorders	<u>s</u> Mr	RENE WOODS	S			<u>Permi</u>	<u>ts</u>	
-2-0138	tin tin 103	GDA	54	726603	6196961	Open site	Valid	Hearth : -		
	Contact	Recorders	<u>s</u> Mr	RENE WOODS	S			<u>Permi</u>	<u>ts</u>	
-2-0139	tin tin 104	GDA	54	726580	6196962	Open site	Valid	Hearth : -		
	Contact	Recorders	s Mr	RENE WOODS	S			Permi	ts	
-2-0140	tin tin 105	GDA	54	726576	6196970	Open site	Valid	Hearth : -		
	Contact	Recorders		RENE WOODS	S			Permi	ts	
-2-0141	tin tin 106	GDA	_	726578	6196961	Open site	Valid	Hearth : -	_	
	<u>Contact</u>	Recorders		RENE WOODS	3	-		Permi	ts	
-2-0142	tin tin 107	GDA		726559	6196909	Open site	Valid	Hearth:	<del></del>	
	Contact	Recorders		RENE WOODS		•		Permi	te	
	Contact	<u>Recorders</u>	<u>.</u> 1v11	TENE WOODS				I CI III	<u></u>	

Report generated by AHIMS Web Service on 22/05/2012 for Clare Anderson for the following area at Datum :GDA, Zone : 54, Eastings : 700000 - 730000, Northings : 6140000 - 6200000 with a Buffer of 50 meters. Additional Info : Archaeological assessment for proposed sand mine.. Number of Aboriginal sites and Aboriginal objects found is 117



Your Ref Number : Iluka2\_AA

Client Service ID: 70565

<u>SiteID</u>	<u>SiteName</u>	<u>Datum</u>	<b>Zone</b>	<b>Easting</b>	<b>Northing</b>	<b>Context</b>	Site Status	SiteFeature	e <u>s</u>	<u>SiteTypes</u>	Reports
7-2-0143	tin tin 108	GDA	54	726634	6197059	Open site	Valid	Modified Tr (Carved or S			
	Contact	Recorders	Mr.	RENE WOODS					<u>Permits</u>		
7-2-0144	tin tin 109	GDA	54	726746	6197099	Open site	Valid	Hearth : -			
	Contact	Recorders	Mr.	RENE WOODS					<u>Permits</u>		
7-2-0145	tin tin 110	GDA	54	726745	6197103	Open site	Valid	Hearth : -			
	Contact	Recorders	Mr.	RENE WOODS					<u>Permits</u>		
7-2-0146	tin tin 111	GDA	54	726727	6197115	Open site	Valid	Hearth : -			
	Contact	Recorders	Mr.	RENE WOODS					<u>Permits</u>		
7-2-0147	tin tin 112	GDA	54	726796	6196964	Open site	Valid	Hearth : -			
	Contact	Recorders	Mr.	RENE WOODS					<u>Permits</u>		
7-2-0148	tin tin 113	GDA	54	726816	6196968	Open site	Valid	Hearth : -			
	Contact	Recorders	Mr.	RENE WOODS					Permits Permits		
7-2-0149	tin tin 114	GDA	54	726906	6196912	Open site	Valid	Hearth : -			
	Contact	Recorders	Mr.	RENE WOODS					<u>Permits</u>		
7-2-0150	tin tin 115	GDA	54	726902	6196920	Open site	Valid	Hearth : -			
	Contact	Recorders	Mr.	RENE WOODS					Permits Permits		
7-2-0151	tin tin 116	GDA	54	726921	6196965	Open site	Valid	Hearth : -			
	Contact	Recorders	Mr.	RENE WOODS					<u>Permits</u>		
7-2-0153	tin tin 118	GDA	54	726971	6196964	Open site	Valid	Hearth : -			
	Contact	Recorders	Mr.	RENE WOODS					Permits Permits		
7-2-0154	tin tin 119	GDA	54	727078	6196903	Open site	Valid	Hearth : -			
	Contact	Recorders	Mr.	RENE WOODS					<u>Permits</u>		
7-2-0155	tin tin 120	GDA	54	727086	6196900	Open site	Valid	Hearth : -			
	<u>Contact</u>	Recorders	Mr.	RENE WOODS					<u>Permits</u>		
7-2-0156	tin tin 121	GDA	54	727058	6196894	Open site	Valid	Hearth : -			
	Contact	Recorders	Mr.	RENE WOODS					<u>Permits</u>		
7-2-0157	tin tin 122	GDA	54	728079	6196622	Open site	Valid	Hearth : -			
	<u>Contact</u>	Recorders	Mr.	RENE WOODS					Permits Permits		
7-2-0158	tin tin 123	GDA	54	728378	6196425	Open site	Valid	Hearth : -			
	Contact	Recorders	Mr.	RENE WOODS					<u>Permits</u>		
7-2-0160	tin tin 125	GDA	54	729722	6197956	Open site	Valid	Artefact : -			

Report generated by AHIMS Web Service on 22/05/2012 for Clare Anderson for the following area at Datum: GDA, Zone: 54, Eastings: 700000 - 730000, Northings: 6140000 - 6200000 with a Buffer of 50 meters. Additional Info: Archaeological assessment for proposed sand mine.. Number of Aboriginal sites and Aboriginal objects found is 117



Your Ref Number : Iluka2\_AA

Client Service ID: 70565

<u>SiteID</u>	<u>SiteName</u>	<u>Datum</u>	Zone	Easting	Northing	Context	Site Status	<u>SiteFeatures</u>	<u>SiteTypes</u>	Reports
	Contact	Recorders	Mr.RE	NE WOODS				<u>Permits</u>		
47-2-0161	tin tin 126	GDA	54	729140	6197815	Open site	Valid	Hearth : -		
	Contact	Recorders	Mr.RE	NE WOODS				<u>Permits</u>		
47-2-0191	Tin Tin Huts & Camps	GDA	54	727164	6197444	Open site	Valid	Conflict : -		
	Contact	Recorders	Doctor	r.Sarah Mart	in			<u>Permits</u>		
47-2-0192	KARRA 1	GDA	54	722316	6191432	Open site	Valid	Artefact : 16		
	Contact Mr.Ray Murray	Recorders	Doctor	r.Tim Stone				<u>Permits</u>		

Report generated by AHIMS Web Service on 22/05/2012 for Clare Anderson for the following area at Datum: GDA, Zone: 54, Eastings: 700000 - 730000, Northings: 6140000 - 6200000 with a Buffer of 50 meters. Additional Info: Archaeological assessment for proposed sand mine.. Number of Aboriginal sites and Aboriginal objects found is 117



Your Ref Number : Iluka3\_AA

Client Service ID: 70566

SiteID	SiteName	<u>Datum</u>	Zone	Easting	Northing	Context	Site Status	<u>SiteFeatures</u>	SiteTypes	Reports
47-3-0291	Narwie 308	GDA	54	731555	6199273	Open site	Valid	Earth Mound : -,		
		D 1	M D	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	M Cl l I			Hearth : -		
47-3-0292	Contact Narwie 309	Recorders GDA			ns,Mr.Claude J 6199292		Valid	Permits Hearth:		
47-3-0292							valiu			
47.2.0202	Contact	Recorders			ns,Mr.Claude J		77 1: 1	<u>Permits</u>		
47-3-0293	Narwie 310	GDA			6199308	-	Valid	Artefact : -, Hearth : -		
45 0 0004	Contact	Recorders			ns,Mr.Claude J		** 1: 1	Permits		
47-3-0294	Narwie 311	GDA		731581	6199319	•	Valid	Hearth : -		
	<u>Contact</u>	Recorders			ns,Mr.Claude J			<u>Permits</u>		
47-3-0295	Narwie 312	GDA	54	731575	6199325	Open site	Valid	Hearth : -		
	Contact	Recorders			ns,Mr.Claude J	ackson		<u>Permits</u>		
47-3-0296	Narwie 313	GDA	54	731569	6199416	Open site	Valid	Earth Mound : -		
	Contact	Recorders	Mr.Re	oland Willian	ns,Mr.Claude J	ackson		<u>Permits</u>		
47-3-0297	Narwie 314	GDA	54	731435	6199499	Open site	Valid	Earth Mound : -		
	Contact	Recorders	Mr.Re	oland Williar	ns,Mr.Claude J	ackson		<u>Permits</u>		
47-3-0401	tin tin 30	GDA	54	731645	6199225	Open site	Valid	Earth Mound : -		
	Contact	Recorders	Doct	or.Sarah Mar	tin,Ms.Karen N	Murray		<u>Permits</u>		
47-3-0402	tin tin 31	GDA	54	731629	6199211	Open site	Valid	Earth Mound : -		
	Contact	Recorders	Doct	or.Sarah Mar	tin,Ms.Karen N	/urray		<u>Permits</u>		
47-3-0403	tin tin 32	GDA	54	731630	6199201	Open site	Valid	Hearth : -		
	Contact	Recorders	Doct	or.Sarah Mar	tin,Ms.Karen N	Murray		<u>Permits</u>		
47-3-0404	tin tin 33	GDA	54	731632	6199197	Open site	Valid	Hearth : -		
	Contact	Recorders	Doct	or.Sarah Mar	tin,Ms.Karen N	Murray		<u>Permits</u>		
47-3-0405	tin tin 34	GDA			6199194	•	Valid	Hearth : -		
	Contact	Recorders	Doct	or.Sarah Mar	tin,Ms.Karen N	Murrav		Permits Permits		
47-3-0406	tin tin 35	GDA		731620	6199187	•	Valid	Hearth : -		
	Contact	Recorders	Doct	or.Sarah Mar	tin,Ms.Karen N	/Jurrav		<u>Permits</u>		
47-3-0407	tin tin 36	GDA			6199180		Valid	Hearth : -		
	<u>Contact</u>	Recorders			tin,Ms.Karen N			<u>Permits</u>		
47-3-0408	tin tin 37	GDA			6199157	•	Valid	Hearth:		
	Contact	Recorders			tin,Ms.Karen N	•		Permits		
47-3-0409	tin tin 38	GDA			6199145		Valid	Hearth:		
., 5 0 10 7						•	vana			
	Contact	Recorders	Docti	oi.Saran Mar	tin,Ms.Karen N	ruiTay		<u>Permits</u>		

Report generated by AHIMS Web Service on 22/05/2012 for Clare Anderson for the following area at Datum: GDA, Zone: 54, Eastings: 730000 - 745000, Northings: 6190000 - 6200000 with a Buffer of 50 meters. Additional Info: Archaeological assessment for proposed sand mine.. Number of Aboriginal sites and Aboriginal objects found is 31



Your Ref Number : Iluka3\_AA

Client Service ID: 70566

<u>SiteID</u>	SiteName	Datum	Zone	Easting	Northing	Context	Site Status	SiteFeatures	<u>SiteTypes</u>	Reports
47-3-0410	tin tin 39	GDA	54	731606	6199140	Open site	Valid	Hearth : -		
	Contact	Recorders	Doc	tor.Sarah Mar	tin,Ms.Karen N	⁄lurray		<u>Permi</u>	t <u>s</u>	
47-3-0411	tin tin 40	GDA	54	731597	6199128	Open site	Valid	Earth Mound : -		
	Contact	Recorders	Doc	tor.Sarah Mar	tin,Ms.Karen N	Murray		<u>Permi</u>	t <u>s</u>	
47-3-0412	tin tin 41	GDA	54	731591	6199111	Open site	Valid	Hearth : -		
	Contact	Recorders	Doc	tor.Sarah Mar	tin,Ms.Karen N	Murray		<u>Permi</u>	t <u>s</u>	
47-3-0413	tin tin 42	GDA	54	731570	6199098	Open site	Valid	Hearth : -		
	<u>Contact</u>	Recorders	Doct	tor.Sarah Mar	tin,Ms.Karen N	Murray		<u>Permi</u>	t <u>s</u>	
17-3-0340	narwie 154	GDA	54	731659	6199377	Open site	Valid	Artefact : -		
	<u>Contact</u>	Recorders	Mr.F	RENE WOODS				<u>Permi</u>	t <u>s</u>	
47-3-0298	Narwie 315	GDA	54	731462	6199472	Open site	Valid	Artefact : -		
	<u>Contact</u>	Recorders	Mr.F	Roland Willian	ns,Mr.Claude J	ackson		<u>Permi</u>	t <u>s</u>	
17-3-0335	tin tin 127	GDA	54	731637	6199240	Open site	Valid	Earth Mound : -,		
	Contact	Dogowdowa	. M <sub>w</sub> r	RENE WOODS				Hearth : -	t-a	
7-3-0336	Contact narwie 150	Recorders GDA	_	731659		Open site	Valid	Permi Hearth : -	<u>'7</u>	
7 5 0550	Contact	Recorders		RENE WOODS		open site	vana	Permi	to.	
7-3-0337	narwie 151	GDA			6199292	Open site	Valid	Earth Mound : -,	<u>7</u>	
., 5 555,		u211	0.	,51000	01//2/2	open site	· uu	Hearth : -		
	Contact	Recorders	Mr.F	RENE WOODS				<u>Permi</u>	t <u>s</u>	
7-3-0338	narwie 152	GDA	54	731675	6199298	Open site	Valid	Hearth : -		
	Contact	Recorders	Mr.F	RENE WOODS				<u>Permi</u>	t <u>s</u>	
7-3-0339	narwie 153	GDA	54	731672	6199321	Open site	Valid	Hearth : -		
	Contact	Recorders	Mr.F	RENE WOODS				<u>Permi</u>	t <u>s</u>	
17-3-0341	narwie 155	GDA	54	731691	6199376	Open site	Valid	Artefact : -		
	Contact	Recorders	Mr.F	RENE WOODS				<u>Permi</u>	t <u>s</u>	
17-3-0342	narwie 156	GDA	54	731830	6199305	Open site	Valid	Hearth : -, Shell : -		
	Contact	Recorders	Mr.F	RENE WOODS				<u>Permi</u>	t <u>s</u>	
17-3-0343	narwie 157	GDA	54	731891	6199294	Open site	Valid	Hearth : -, Shell : -		
	Contact	Recorders	Mr.F	RENE WOODS				<u>Permi</u>	t <u>s</u>	
7-3-0344	narwie 158	GDA	54	731889	6199308	Open site	Valid	Artefact : -		
	Contact	Recorders	Mr.F	RENE WOODS				<u>Permi</u>	<u>ts</u>	

Report generated by AHIMS Web Service on 22/05/2012 for Clare Anderson for the following area at Datum: GDA, Zone: 54, Eastings: 730000 - 745000, Northings: 6190000 - 6200000 with a Buffer of 50 meters. Additional Info: Archaeological assessment for proposed sand mine.. Number of Aboriginal sites and Aboriginal objects found is 31



Your Ref Number : Iluka4\_AA

Client Service ID: 70567

<u>SiteID</u>	<u>SiteName</u>	<b>Datum</b>	Zone	<b>Easting</b>	<b>Northing</b>	<b>Context</b>	Site Status	<u>SiteFeatures</u>	<u>SiteTypes</u>	Reports
17-3-0313	paika lake 101	GDA	54	737243	6179571	Open site	Valid	Modified Tree		
								(Carved or Scarred):		
								-		
	Contact	Recorders	Mr.F	loland Willia	ns,Mr.RENE W	OODS,Mr.Brenda	n Kennedy	<u>Permits</u>		
17-3-0209	paika lake 404	GDA	54	736799	6179700	Open site	Valid	Hearth : -		
	Contact	Recorders	Doc	or.Sarah Mai	tin,Mr.Smokey	Murray		<u>Permits</u>		
7-3-0210	paika lake 405	GDA	54	736798	6179729	Open site	Valid	Hearth : -		
	Contact	Recorders	Doc	or.Sarah Mai	tin,Mr.Smokey	Murray		<u>Permits</u>		
7-3-0211	paika lake 406	GDA		736781	6179821	Open site	Valid	Modified Tree		
						•		(Carved or Scarred):		
								-		
	<u>Contact</u>	Recorders	Doc	tor.Sarah Mai	tin,Mr.Smokey	Murray		<u>Permits</u>		
17-3-0212	paika lake 407	GDA	54	736755	6179874	Open site	Valid	Modified Tree		
								(Carved or Scarred):		
								-		
	Contact	Recorders	-		tin,Mr.Smokey			<u>Permits</u>		
7-3-0213	paika lake 408	GDA	54	736767	6180010	Open site	Valid	Modified Tree		
								(Carved or Scarred) :		
	<u>Contact</u>	Recorders	Doc	or Sarah Mai	tin,Mr.Smokey	Murroy		- <u>Permits</u>		
7-3-0206	paika lake 401	GDA		736973	6179631	Open site	Partially	Modified Tree		
7-3-0200	paika lake 401	UDA	34	730773	0177031	Open site	Destroyed	(Carved or Scarred) :		
							Destroyeu	-		
	Contact	Recorders	Doc	or.Sarah Mai	tin,Mr.Smokey	Murray		Permits		
7-3-0207	paika lake 402	GDA	54	736848	6179639	Open site	Valid	Modified Tree		
						•		(Carved or Scarred):		
								-		
	Contact	Recorders	Doct	tor.Sarah Mai	tin,Mr.Smokey	Murray		<u>Permits</u>		
7-3-0208	paika lake 403	GDA	54	736835	6179638	Open site	Valid	Hearth : -		
	Contact	Recorders	Doc	tor.Sarah Mai	tin,Mr.Smokey	Murray		<u>Permits</u>		
7-3-0259	paika 201	GDA		736838	6179727	Open site	Valid	Modified Tree		
								(Carved or Scarred):		
								-		
	Contact	Recorders	Bad	ger Bates,Do	ctor.Sarah Mart	tin		<u>Permits</u>		

Report generated by AHIMS Web Service on 22/05/2012 for Clare Anderson for the following area at Datum: GDA, Zone: 54, Eastings: 730000 - 740000, Northings: 6170000 - 6180000 with a Buffer of 50 meters. Additional Info: Archaeological assessment for proposed sand mine.. Number of Aboriginal sites and Aboriginal objects found is 35



Your Ref Number : Iluka4\_AA

Client Service ID: 70567

<u>SiteID</u>	SiteName	<b>Datum</b>	Zone	<b>Easting</b>	<b>Northing</b>	<b>Context</b>	Site Status	<u>SiteFeatures</u>	<u>SiteTypes</u>	Reports
17-3-0260	paika 202	GDA	54	736846	6179758	Open site	Valid	Aboriginal Resource and Gathering : -, Habitation Structure		
	Contact	Recorders	Badg	ger Bates,Doo	tor.Sarah Mart	in		: - <u>Permits</u>		
7-3-0261	paika 203	GDA		736803	6179825	Open site	Valid	Habitation Structure : -, Modified Tree (Carved or Scarred):		
	Contact	Recorders	Badg	ger Bates,Doo	tor.Sarah Mart	in		<u>Permits</u>		
7-3-0262	paika 204	GDA	•	736816	6179797	Open site	Valid	Hearth : -, Shell : -		
	Contact	Recorders	Badg	ger Bates,Doo	tor.Sarah Mart	in		<u>Permits</u>		
47-3-0263	paika 205	GDA		736879	6179963	Open site	Valid	Hearth:-, Non-Human Bone and Organic Material :-, Shell:-		
	Contact	Recorders	Badg	ger Bates,Doo	tor.Sarah Mart	in		<u>Permits</u>		
7-3-0264	paika 206	GDA	54	736765	6180034	Open site	Valid	Habitation Structure : -, Hearth : -		
	Contact	Recorders	Badg	ger Bates,Doo	tor.Sarah Mart	in		<u>Permits</u>		
7-3-0314	paika lake 102	GDA	54	737239	6179569	Open site	Valid	Modified Tree (Carved or Scarred) :		
	Contact	Recorders	Mr.R	ENE WOODS	Mr.Brendan K	ennedy		<u>Permits</u>		
7-6-0560	paika lake 103	GDA	54	737175	6179534	Open site	Valid	Artefact : -, Hearth : -		
	Contact	Recorders	Mr.B	rendan Kenn	edy			<u>Permits</u>		
7-3-0315	paika lake 104	GDA	54	737034	6179547	Open site	Valid	Artefact : -, Hearth : -		
	Contact	Recorders	Mr.R	ENE WOODS	Mr.Brendan K	ennedy		<u>Permits</u>		
7-3-0316	paika lake 105	GDA	54	736986	6179567	Open site	Valid	Artefact : -, Hearth : -, Shell : -		
	Contact	Recorders	Mr.R	ENE WOODS	Mr.Brendan K	ennedy		<u>Permits</u>		
7-3-0351	paika west 3	GDA	54	737271	6179590	Open site	Valid	Shell:-		
	<u>Contact</u>	Recorders			tin,Ms.Elaine F	Purtill		<u>Permits</u>		
7-3-0352	paika west 4	GDA	54	737268	6179568	Open site	Valid	Modified Tree (Carved or Scarred) :		
	Contact	Recorders	Doct	or.Sarah Mar	tin,Ms.Elaine F	Purtill		<u>Permits</u>		

Report generated by AHIMS Web Service on 22/05/2012 for Clare Anderson for the following area at Datum: GDA, Zone: 54, Eastings: 730000 - 740000, Northings: 6170000 - 6180000 with a Buffer of 50 meters. Additional Info: Archaeological assessment for proposed sand mine.. Number of Aboriginal sites and Aboriginal objects found is 35



Your Ref Number : Iluka4\_AA

Client Service ID: 70567

<u>SiteID</u>	SiteName	<u>Datum</u>	<u>Zone</u>	Easting	Northing	<u>Context</u>	Site Status	<u>SiteFeatures</u>	<u>SiteTypes</u>	Reports
47-3-0353	paika west 5	GDA		737196	6179563	Open site	Valid	Modified Tree (Carved or Scarred) : -		
	<u>Contact</u>	Recorders	Doct	or.Sarah Mar	tin,Ms.Elaine F	Purtill		<u>Permits</u>		
47-3-0354	paika west 6	GDA	54	737149	6179556	Open site	Valid	Modified Tree (Carved or Scarred) : -		
	Contact	Recorders	Doct	or.Sarah Mar	tin,Ms.Elaine F	Purtill		<u>Permits</u>		
47-3-0355	paika west 7	GDA	54	736905	6179607	Open site	Valid	Modified Tree (Carved or Scarred) :		
	Contact	Recorders	Mr.B	rendan Kenn	edy,Mr.Andrev	v Smith,Mr.Ray Murr	ay	<u>Permits</u>		
47-3-0356	paika west 8	GDA	54	736863	6179639	Open site	Valid	Modified Tree (Carved or Scarred) : -		
	Contact	Recorders	Mr.B	rendan Kenn	edy,Mr.Andrev	v Smith,Mr.Ray Murr	ay	<u>Permits</u>		
47-3-0357	paika west 9	GDA	54	736860	6179637	Open site	Valid	Modified Tree (Carved or Scarred) :		
	Contact	Recorders	Mr.B	rendan Kenn	edy,Mr.Andrev	v Smith,Mr.Ray Murr	ay	<u>Permits</u>		
47-3-0358	paika west 10	GDA	54	736828	6179669	Open site	Valid	Modified Tree (Carved or Scarred) : -		
	Contact	Recorders	Mr.B	Mr.Brendan Kennedy, Mr.Andrew Smith, Mr.Ray Murray				<u>Permits</u>		
47-3-0359	paika west 11	GDA		736820	6179701	Open site	Valid	Modified Tree (Carved or Scarred) :		
	Contact	Recorders			•	v Smith,Mr.Ray Murr	•	<u>Permits</u>		
47-3-0360	paika west 12	GDA	54	736821	6179701	Open site	Valid	Modified Tree (Carved or Scarred) : -		
	Contact	Recorders	Mr.B	rendan Kenn	edy,Mr.Andrev	v Smith,Mr.Ray Murr	ay	<u>Permits</u>		
47-3-0361	paika west 13	GDA		736827	6179708	Open site	Valid	Modified Tree (Carved or Scarred) :		
	Contact	Recorders	Mr.B	rendan Kenn	edy,Mr.Andrev	v Smith,Mr.Ray Murr	ay	<u>Permits</u>		

Report generated by AHIMS Web Service on 22/05/2012 for Clare Anderson for the following area at Datum :GDA, Zone : 54, Eastings : 730000 - 740000, Northings : 6170000 - 6180000 with a Buffer of 50 meters. Additional Info : Archaeological assessment for proposed sand mine.. Number of Aboriginal sites and Aboriginal objects found is 35



Your Ref Number : Iluka4\_AA

Client Service ID: 70567

SiteID 47-3-0362	SiteName paika west 14	<b>Datum</b> GDA	<b>Zone</b> 54	<b>Easting</b> 736810	<b>Northing</b> 6179772	<b>Context</b> Open site	<u>Site Status</u> Valid	SiteFeatures  Modified Tree (Carved or Scarred):	SiteTypes	Reports
47-3-0363	Contact paika west 15	Recorders GDA		rendan Kenr 736802	nedy,Mr.Andrev 6179944	w Smith,Mr.Ray Mur Open site	ray Valid	Permits  Modified Tree		
47-3-0303								(Carved or Scarred) :		
47-3-0364	Contact paika west 16	Recorders GDA	Mr.B 54	rendan Kenr 736797	nedy,Mr.Andrev 6179955	w Smith,Mr.Ray Muri Open site	ray Valid	Permits  Modified Tree		
47-3-0304	paika west 10	GDA	34	730797	0179933	Open site	vanu	(Carved or Scarred) :		
	<u>Contact</u>	Recorders	Mr.B	rendan Kenr	nedy,Mr.Andrev	w Smith,Mr.Ray Muri	ray	<b>Permits</b>		
47-3-0365	paika west 17	GDA	54	736781	6180026	Open site	Valid	Modified Tree (Carved or Scarred) : -		
	Contact	Recorders	Mr.B	rendan Kenr	nedy,Mr.Andrev	w Smith,Mr.Ray Muri	ray	<u>Permits</u>		
47-3-0366	paika west 18	GDA	54	736784	6180024	Open site	Valid	Modified Tree (Carved or Scarred) :		
	Contact	Recorders	Mr.B	rendan Kenr	nedy,Mr.Andrev	w Smith,Mr.Ray Mur	ray	<u>Permits</u>		

Report generated by AHIMS Web Service on 22/05/2012 for Clare Anderson for the following area at Datum: GDA, Zone: 54, Eastings: 730000 - 740000, Northings: 6170000 - 6180000 with a Buffer of 50 meters. Additional Info: Archaeological assessment for proposed sand mine.. Number of Aboriginal sites and Aboriginal objects found is 35



Your Ref Number : Iluka5\_AA

Client Service ID: 70568

<u>iteID</u>	<u>SiteName</u>	<u>Datum</u>	<b>Zone</b>	<b>Easting</b>	<b>Northing</b>	<b>Context</b>	Site Status	<u>SiteFeatures</u>	<u>SiteTypes</u>	Reports
7-6-0008	Balranald Mission	AGD	54	733533	6165406	Open site	Valid	Earth Mound : -, Shell : -, Artefact : -	Midden	
	<u>Contact</u>	Recorders	K W	illiams				<u>Permits</u>		
7-6-0009	Balranald;Town Common;	AGD	54	737184	6165224	Open site	Valid	Modified Tree (Carved or Scarred) : -	Scarred Tree	
	<u>Contact</u>	Recorders	K W	illiams				<u>Permits</u>		
7-6-0011	Balranald;Town Common;	AGD	54	739056	6166047	Open site	Valid	Modified Tree (Carved or Scarred) : -	Scarred Tree	
	Contact	Recorders	KW	illiams				<u>Permits</u>		
7-6-0012	Balranald;	AGD	54	739056	6166047	Open site	Valid	Modified Tree (Carved or Scarred) : -	Scarred Tree	
	<u>Contact</u>	Recorders	K W	illiams				<u>Permits</u>		
7-6-0013	Balranald;Town Common;	AGD	54	739056	6166047	Open site	Valid	Modified Tree (Carved or Scarred) : -	Scarred Tree	
	<u>Contact</u>	Recorders	KW	illiams				<u>Permits</u>		
7-6-0039	Balranald Common Scarred Tree 2/3	AGD	54	738300	6166670	Open site	Valid	Modified Tree (Carved or Scarred) : -		
	<u>Contact</u>	Recorders	Harv	ey Johnston				<u>Permits</u>		
7-6-0040	Balranald Common Scarred Tree 1	AGD	54	737048	6165051	Open site	Valid	Modified Tree (Carved or Scarred) : -		
	<u>Contact</u>	Recorders	Harv	ey Johnston				<u>Permits</u>		
7-6-0571	Auley 1.1	AGD	54	739719	6168839	Open site	Valid	Modified Tree (Carved or Scarred) : -		
	<u>Contact</u>	Recorders	Doct	tor.Sarah Mar	tin			<u>Permits</u>		
7-6-0572	Auley 1.2	AGD	54	739708	6168833	Open site	Valid	Modified Tree (Carved or Scarred) : -		
	<u>Contact</u>	Recorders	Doct	or.Sarah Mar	tin			<u>Permits</u>		
7-6-0573	Auley 1.3	AGD	54	739714	6168863	Open site	Valid	Modified Tree (Carved or Scarred) :		

Report generated by AHIMS Web Service on 22/05/2012 for Clare Anderson for the following area at Datum :GDA, Zone : 54, Eastings : 730000 - 740000, Northings : 6165000 - 6170000 with a Buffer of 50 meters. Additional Info : Archaeological assessment for proposed sand mine. Number of Aboriginal sites and Aboriginal objects found is 12



Your Ref Number : Iluka5\_AA

Client Service ID: 70568

<u>SiteID</u>	<u>SiteName</u>	<u>Datum</u>	Zone	Easting	Northing	Context	Site Status	<u>SiteFeatures</u>	<u>SiteTypes</u>	Reports
	Contact	Recorders	Docto	or.Sarah Mart	in			<u>Permits</u>		
47-6-0574	Auley 2.1	AGD	54	739686	6168943	Open site	Valid	Hearth : -		
	Contact	Recorders	Docto	or.Sarah Mart	in			<u>Permits</u>		
47-6-0576	Auley 4	AGD	54	739160	6169217	Open site	Valid	Modified Tree		
								(Carved or Scarred):		
								-		
	<u>Contact</u>	Recorders	Docto	or.Sarah Mart	in			<u>Permits</u>		

Report generated by AHIMS Web Service on 22/05/2012 for Clare Anderson for the following area at Datum: GDA, Zone: 54, Eastings: 730000 - 740000, Northings: 6165000 - 6170000 with a Buffer of 50 meters. Additional Info: Archaeological assessment for proposed sand mine. Number of Aboriginal sites and Aboriginal objects found is 12



#### AHIMS Web Services (AWS)

Extensive search - Site list report

Your Ref Number : Iluka1\_AA Client Service ID : 70564

SiteID SiteName Datum Zone Easting Northing Context Site Status **SiteFeatures SiteTypes** Reports 40-5-0099 AS-004 AGD 54 700900 6237300 Open site Valid Artefact : -, Hearth : -P Clarke Recorders Contact **Permits** 

Report generated by AHIMS Web Service on 22/05/2012 for Clare Anderson for the following area at Datum: GDA, Zone: 54, Eastings: 700000 - 740000, Northings: 6200000 - 6240000 with a Buffer of 50 meters. Additional Info: Archaeological assessment for proposed sand mine.. Number of Aboriginal sites and Aboriginal objects found is 1



#### AHIMS Web Services (AWS) Search Result

Your Ref Number: 1720 Accommodation 2

Client Service ID: 114627

Date: 21 October 2013

Niche Environment and Heritage

PO Box 3104

Umina Beach New South Wales 2257

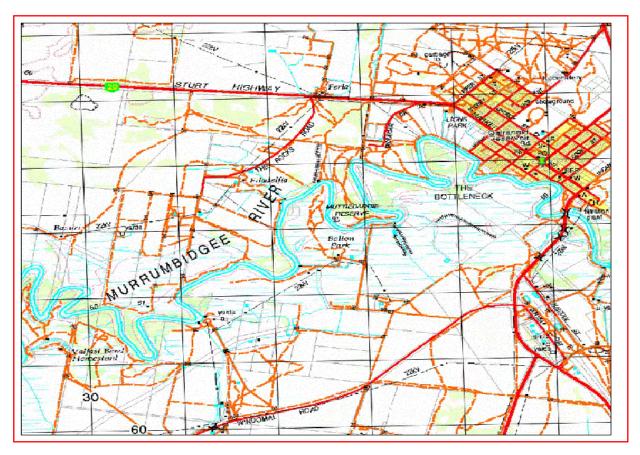
Attention: Clare Anderson

Email: canderson@niche-eh.com

Dear Sir or Madam:

AHIMS Web Service search for the following area at Datum :GDA, Zone : 54, Eastings : 729950 - 735000, Northings : 6160000 - 6166000 with a Buffer of 50 meters, conducted by Clare Anderson on 21 October 2013.

The context area of your search is shown in the map below. Please note that the map does not accurately display the exact boundaries of the search as defined in the paragraph above. The map is to be used for general reference purposes only.



A search of the Office of the Environment and Heritage AHIMS Web Services (Aboriginal Heritage Information Management System) has shown that:

77 Aboriginal sites are recorded in or near the above loc	ocation.
---	----------

0 Aboriginal places have been declared in or near the above location. \*

#### If your search shows Aboriginal sites or places what should you do?

- You must do an extensive search if AHIMS has shown that there are Aboriginal sites or places recorded in the search area.
- If you are checking AHIMS as a part of your due diligence, refer to the next steps of the Due Diligence Code of practice.
- You can get further information about Aboriginal places by looking at the gazettal notice that declared it. Aboriginal places gazetted after 2001 are available on the NSW Government Gazette (http://www.nsw.gov.au/gazette) website. Gazettal notices published prior to 2001 can be obtained from Office of Environment and Heritage's Aboriginal Heritage Information Unit upon request

#### Important information about your AHIMS search

- The information derived from the AHIMS search is only to be used for the purpose for which it was requested. It is not be made available to the public.
- AHIMS records information about Aboriginal sites that have been provided to Office of Environment and Heritage and Aboriginal places that have been declared by the Minister;
- Information recorded on AHIMS may vary in its accuracy and may not be up to date. Location details are
  recorded as grid references and it is important to note that there may be errors or omissions in these
  recordings,
- Some parts of New South Wales have not been investigated in detail and there may be fewer records of Aboriginal sites in those areas. These areas may contain Aboriginal sites which are not recorded on AHIMS.
- Aboriginal objects are protected under the National Parks and Wildlife Act 1974 even if they are not recorded as a site on AHIMS.
- This search can form part of your due diligence and remains valid for 12 months.

Email: ahims@environment.nsw.gov.au Web: www.environment.nsw.gov.au



Your Ref Number: 1720

Client Service ID: 149923

	Extensive searen 5									
SiteID	<u>SiteName</u>	<u>Datum</u>	Zone	Easting	Northing	Context	Site Status	<u>SiteFeatures</u>	<u>SiteTypes</u>	Reports
7-6-0008	Balranald Mission	AGD	54	733533	6165406	Open site	Valid	Earth Mound : -, Shell : -, Artefact : -	Midden	
	<u>Contact</u>	Recorders	K W	illiams				<u>Permits</u>		
17-6-0009	Balranald;Town Common;	AGD	54	737184	6165224	Open site	Valid	Modified Tree (Carved or Scarred) : -	Scarred Tree	
	<u>Contact</u>	<u>Recorders</u>	K W	illiams				<u>Permits</u>		
7-6-0010	Balranald;Town Common;	AGD	54	740059	6167827	Open site	Valid	Modified Tree (Carved or Scarred) : -	Scarred Tree	
	Contact	Recorders	K W	illiams				<u>Permits</u>		
7-6-0011	Balranald;Town Common;	AGD	54	739056	6166047	Open site	Valid	Modified Tree (Carved or Scarred) : -	Scarred Tree	
	<u>Contact</u>	<u>Recorders</u>	K W	illiams				<u>Permits</u>		
7-6-0012	Balranald;	AGD	54	739056	6166047	Open site	Valid	Modified Tree (Carved or Scarred) : -	Scarred Tree	
	<u>Contact</u>	Recorders	K W	illiams				<u>Permits</u>		
7-6-0013	Balranald;Town Common;	AGD	54	739056	6166047	Open site	Valid	Modified Tree (Carved or Scarred) : -	Scarred Tree	
	<u>Contact</u>	Recorders	K W	illiams				<u>Permits</u>		
'-6-0039	Balranald Common Scarred Tree 2/3	AGD	54	738300	6166670	Open site	Valid	Modified Tree (Carved or Scarred) : -		
	<u>Contact</u>	<u>Recorders</u>	Harv	ey Johnston				<u>Permits</u>		
7-6-0040	Balranald Common Scarred Tree 1	AGD	54	737048	6165051	Open site	Valid	Modified Tree (Carved or Scarred) : -		
	<u>Contact</u>	<u>Recorders</u>	Harv	ey Johnston				<u>Permits</u>		
'-6-0005	Balranald Island Burial	AGD		739354	6162828	Open site	Valid	Burial : -	Burial/s	
	Contact	Recorders				Office,Mr.Alf Kelly		<u>Permits</u>		
7-6-0001	Balranald Fish Traps  Contact	AGD <b>Recorders</b>		732500 Kelly,Glen Mo	6163550 orris	Open site	Valid	Fish Trap : -  Permits	Fish Trap	
7-6-0048	balranald levee 3	AGD		735891	6164312	Open site	Valid	Modified Tree (Carved or Scarred) :		98524

Report generated by AHIMS Web Service on 05/10/2014 for Clare Anderson for the following area at Datum: GDA, Zone: 54, Eastings: 730000 - 744600, Northings: 6159200 - 6177770 with a Buffer of 0 meters. Additional Info: inform a predictive model. Number of Aboriginal sites and Aboriginal objects found is 107



Your Ref Number: 1720

Client Service ID: 149923

AGD   54   735890   6164138   Open site   Valid   Modified Tree   98524   (Carved or Scarred) :	GOVERNMENT	Extensive search site list	сроге							Girent	bervice ib : 11772
Carved or Scarred   Scar	<u>SiteID</u>	<u>SiteName</u>	<u>Datum</u>	<b>Zone</b>	<b>Easting</b>	Northing	<u>Context</u>	Site Status	<b>SiteFeatures</b>	<u>SiteTypes</u>	<u>Reports</u>
AGD   S4 735987   6163862   Open site   Valid   Medified Tree (Carved or Scarred): (Carved or Scarred): (Carved or Scarred):   Open site   Valid   Medified Tree (Carved or Scarred):   Open site   Valid   Shell:   Open site   Open site   Valid   Open site   Open site   Valid   Open site	47-6-0049	balranald levee 4	AGD	54	735890	6164138	Open site	Valid			98524
Contact   Recorders   Record		Contact	Recorders	Ms.V	Vanessa Edm	onds			<u>Permits</u>		
AGD   S4   734150   6163750   Open site   Valid   Shell   Sh	47-6-0050	balranald levee 8	AGD	54	735987	6163862	Open site	Valid			98524
		<u>Contact</u>	Recorders	Ms.V	Vanessa Edm	onds			<u>Permits</u>		
AGD   54   735498   6163544   Open site   Valid   Carved or Scarred   Carved or Scar	47-6-0051	balranald levee 7	AGD	54	734150	6163750	Open site	Valid	Shell : -		98524
Contact   Recorders   Record		Contact	Recorders	Ms.V	Vanessa Edm	onds			<u>Permits</u>		
AGD   54   735512   6163637   Open site   Valid   Modified Tree (Carved or Scarred) :   Contact   Recorders   Ms. Variessa Edward   Searle   Carved or Scarred) :   Contact   Searle   Recorders   Mr. Lawrence Clarke, Mr. Malcolm   Ridges   Recorders   Carved or Scarred) :	47-6-0052						Open site	Valid	(Carved or Scarred):		98524
Contact   Recorders   Ms.Vamessa Edmont   Searce   Carved or Scarred)   Carved or Scarred   Carved or Sc											
47-6-0180 Lower Boundary 29 GDA 54 730215 6161073 Open site Valid Modified Tree (Carved or Scarred):  Contact Searle Recorders Mr.Lawrence Clarke, Mr.Malcolm Ridges Permits  47-6-0181 Lower Boundary 30 GDA 54 730113 6161112 Open site Valid Modified Tree (Carved or Scarred):  Contact Searle Recorders Mr.Lawrence Clarke, Mr.Malcolm Ridges Permits  47-6-0182 Lower Boundary 31 GDA 54 730047 6161103 Open site Valid Modified Tree (Carved or Scarred):  Contact Searle Recorders Mr.Lawrence Clarke, Mr.Malcolm Ridges Permits  47-6-0183 Lower Boundary 32 GDA 54 730047 616120 Open site Valid Modified Tree (Carved or Scarred):  Contact Searle Recorders Mr.Lawrence Clarke, Mr.Malcolm Ridges Permits  47-6-0184 Cover Boundary 32 GDA 54 730049 616122 Open site Valid Modified Tree (Carved or Scarred):  Contact Searle Recorders Mr.Lawrence Clarke, Mr.Malcolm Ridges Permits  (Carved or Scarred):  Contact Searle Recorders Mr.Lawrence Clarke, Mr.Malcolm Ridges Permits  47-6-0185 Lower Boundary 39 GDA 54 730009 6161595 Open site Valid Hearth:-	47-6-0053		AGD				Open site	Valid	(Carved or Scarred) :		98524
Carred or Scarred   Carr											
47-6-0181 Lower Boundary 30	47-6-0180	Lower Boundary 29	GDA	54	730215	6161073	Open site	Valid			
Contact Searle Recorders Mr.Lawrence Clarke,Mr.Malcolm Ridges Valid Modified Tree (Carved or Scarred):  Contact Searle Recorders Mr.Lawrence Clarke,Mr.Malcolm Ridges Valid Modified Tree (Carved or Scarred):  Contact Searle Recorders Mr.Lawrence Clarke,Mr.Malcolm Ridges Permits  47-6-0183 Lower Boundary 32 GDA 54 730039 6161221 Open site Valid Modified Tree (Carved or Scarred):  Contact Searle Recorders Mr.Lawrence Clarke,Mr.Malcolm Ridges Valid Modified Tree (Carved or Scarred):  Contact Searle Recorders Mr.Lawrence Clarke,Mr.Malcolm Ridges Valid Modified Tree (Carved or Scarred):  Contact Searle Recorders Mr.Lawrence Clarke,Mr.Malcolm Ridges Permits  Lower Boundary 39 GDA 54 730009 6161595 Open site Valid Hearth:-		<u>Contact</u> Searle	Recorders	Mr.I	Lawrence Cla	rke,Mr.Malcolr	n Ridges		<u>Permits</u>		
47-6-0182 Lower Boundary 31  GDA  54 730047 6161103 Open site  Valid  Modified Tree (Carved or Scarred):	47-6-0181	Lower Boundary 30	GDA	54	730113	6161112	Open site	Valid			
Contact Searle Recorders Mr.Lawrence Clarke,Mr.Malcolm Ridges Permits  47-6-0183 Lower Boundary 32 GDA 54 730039 6161221 Open site Valid Modified Tree (Carved or Scarred):  Contact Searle Recorders Mr.Lawrence Clarke,Mr.Malcolm Ridges (Carved or Scarred):  Contact Searle Recorders Mr.Lawrence Clarke,Mr.Malcolm Ridges Permits  47-6-0190 Lower Boundary 39 GDA 54 730009 6161595 Open site Valid Hearth:-		<u>Contact</u> Searle	Recorders	Mr.I	Lawrence Cla	rke,Mr.Malcolr	n Ridges		<u>Permits</u>		
47-6-0183 Lower Boundary 32 GDA 54 730039 6161221 Open site Valid Modified Tree (Carved or Scarred):	47-6-0182	Lower Boundary 31	GDA	54	730047	6161103	Open site	Valid			
(Carved or Scarred):		<u>Contact</u> Searle	Recorders	Mr.I	Lawrence Cla	rke,Mr.Malcolr	n Ridges		<u>Permits</u>		
47-6-0190 Lower Boundary 39 GDA 54 730009 6161595 Open site Valid Hearth:-	47-6-0183	Lower Boundary 32	GDA	54	730039	6161221	Open site	Valid			
·		<u>Contact</u> Searle	Recorders	Mr.I	Lawrence Cla	rke,Mr.Malcolr	n Ridges		<u>Permits</u>		
<u>Contact</u> Searle <u>Recorders</u> Mr.Lawrence Clarke <u>Permits</u>	47-6-0190	Lower Boundary 39	GDA	54	730009	6161595	Open site	Valid	Hearth : -		
		<u>Contact</u> Searle	Recorders	Mr.I	Lawrence Cla	rke			<u>Permits</u>		

Report generated by AHIMS Web Service on 05/10/2014 for Clare Anderson for the following area at Datum :GDA, Zone : 54, Eastings : 730000 - 744600, Northings : 6159200 - 6177770 with a Buffer of 0 meters. Additional Info : inform a predictive model. Number of Aboriginal sites and Aboriginal objects found is 107



Your Ref Number: 1720

Client Service ID: 149923

<u>SiteID</u>	SiteName	<u>Datum</u>	Zone	<b>Easting</b>	<b>Northing</b>	<u>Context</u>	Site Status	<u>SiteFeatures</u>	<u>SiteTypes</u>	<u>Reports</u>
47-6-0191	Lower Boundary 40	GDA		730067	6161594	Open site	Valid	Earth Mound:-, Non-Human Bone and Organic Material :-, Shell:-, Modified Tree (Carved or Scarred):-		
	<u>Contact</u> Searle	Recorders	Mr.L	awrence Clar	·ke			<u>Permits</u>		
47-6-0192	Lower Boundary 41	GDA	54	730120	6161531	Open site	Valid	Hearth : -		
	<u>Contact</u> Searle	Recorders	Mr.L	awrence Clar	ke			<u>Permits</u>		
47-6-0179	Lower Boundary 28	GDA		730392	6161104	Open site	Valid	Modified Tree (Carved or Scarred) : -		
	<u>Contact</u> Searle	Recorders		awrence Clar				<u>Permits</u>		
47-6-0233	Lower Boundary 56	GDA	54	730552	6161093	Open site	Valid	Modified Tree (Carved or Scarred) : -		
	<u>Contact</u> Searle	Recorders	Tany	ya Charles,Ms	.Cheryl Brown	n,Mr.Michael Kelly,M	r.Shannon Kelly	<u>Permits</u>		
47-6-0234	Lower Boundary 57	GDA	54	730498	6161063	Open site	Valid	Modified Tree (Carved or Scarred) :		
	<u>Contact</u> Searle	Recorders	Tany	ya Charles,Ms	.Cheryl Brown	n,Mr.Michael Kelly,Mi	r.Shannon Kelly	<u>Permits</u>		
47-6-0235	Lower Boundary 58	GDA	54	730501	6161112	Open site	Valid	Modified Tree (Carved or Scarred) : -		
	<u>Contact</u> Searle	Recorders	Tany	ya Charles,Ms	.Cheryl Brown	n,Mr.Michael Kelly,Mi	r.Shannon Kelly	<u>Permits</u>		
47-6-0236	Lower Boundary 59	GDA	54	730510	6161110	Open site	Valid	Modified Tree (Carved or Scarred) : -		
	<u>Contact</u> Searle	Recorders	<u> </u>	ya Charles,Mr	.Shannon Kell	y		<u>Permits</u>		
47-6-0237	Lower Boundary 60	GDA	54	730504	6161147	Open site	Valid	Modified Tree (Carved or Scarred) : -		
	<u>Contact</u> Searle	Recorders	Tany	ya Charles,Mr	.Shannon Kell	у		<u>Permits</u>		
47-6-0238	Lower Boundary 61	GDA		730455	6161186	Open site	Valid	Modified Tree (Carved or Scarred) :		
	<u>Contact</u> Searle	Recorders	-		-	n,Mr.Michael Kelly,Mi		<u>Permits</u>		
47-6-0239	Lower Boundary 62	GDA	54	730448	6161179	Open site	Valid	Modified Tree (Carved or Scarred) : -		

Report generated by AHIMS Web Service on 05/10/2014 for Clare Anderson for the following area at Datum :GDA, Zone : 54, Eastings : 730000 - 744600, Northings : 6159200 - 6177770 with a Buffer of 0 meters. Additional Info : inform a predictive model. Number of Aboriginal sites and Aboriginal objects found is 107



Your Ref Number: 1720

Client Service ID: 149923

	au v	n .	_		NY .1.			a. n	o: m	
<u>SiteID</u>	SiteName	<u>Datum</u>	Zone	Easting	Northing		Site Status	<u>SiteFeatures</u>	<u>SiteTypes</u>	<u>Reports</u>
47 6 0240	Contact Searle	Recorders					y,Mr.Shannon Kelly	Permits M. U.C. L.T.		
47-6-0240	Lower Boundary 63	GDA	54	730447	6161169	Open site	Valid	Modified Tree		
								(Carved or Scarred) :		
	<u>Contact</u> Searle	Recorders	Tanu	ra Charles M	r.Shannon Kell	<b>17</b>		<u>Permits</u>		
47-6-0241	Lower Boundary 64	GDA	•	730437	6161195	Open site	Valid	Modified Tree		
17 0 0211	Lower Boundary of	dDn	51	750157	0101175	open site	vanu	(Carved or Scarred) :		
								-		
	<u>Contact</u> Searle	Recorders	Tany	a Charles,M	r.Shannon Kell	y		<u>Permits</u>		
47-6-0242	Lower Boundary 65	GDA	54	730441	6161200	Open site	Valid	Modified Tree		
								(Carved or Scarred):		
								-		
	<u>Contact</u> Searle	Recorders			r.Shannon Kell			<u>Permits</u>		
47-6-0243	Lower Boundary 66	GDA	54	730432	6161215	Open site	Valid	Modified Tree		
								(Carved or Scarred) :		
	Contact Cookle	Dogovdova	Танг	ra Chaulaa M	a Chanrel Duaren	. Mu Michael Kell	y,Mr.Shannon Kelly	- Downite		
17-6-0244	Contact Searle Lower Boundary 67	<u>Recorders</u> GDA		730439	6161217		Valid	Permits  Modified Tree		
17-0-0244	Lower Boundary 07	GDA	34	730437	0101217	Open site	valiu	(Carved or Scarred) :		
								-		
	<u>Contact</u> Searle	Recorders	Tanv	a Charles.M	r.Shannon Kell	v		<u>Permits</u>		
47-6-0245	Lower Boundary 68	GDA		730313	6161296	Open site	Valid	Modified Tree		
	·					•		(Carved or Scarred):		
								-		
	<u>Contact</u> Searle	<u>Recorders</u>	Tany	a Charles,M	r.Shannon Kell	у		<u>Permits</u>		
47-6-0246	Lower Boundary 69	GDA	54	730320	6161329	Open site	Valid	Modified Tree		
								(Carved or Scarred) :		
				a				-		
	Contact Searle	Recorders		-		,Mr.Shannon Kell	•	Permits 1 m		
47-6-0247	Lower Boundary 70	GDA	54	730299	6161396	Open site	Valid	Modified Tree		
								(Carved or Scarred) :		
	<u>Contact</u> Searle	Recorders	Tanv	ra Charles M	s Chervl Brown	n Mr Michael Kelly	y,Mr.Shannon Kelly	Permits		
47-6-0248		GDA		730226	6161400	Open site	Valid	Modified Tree		
		321.		. 30220	2101100	- F-0.1. 0.100	7 4374	(Carved or Scarred):		
								-		
	<u>Contact</u> Searle	Recorders	Tany	a Charles,M	s.Cheryl Brown	n,Mr.Michael Kelly	y,Mr.Shannon Kelly	<u>Permits</u>		
47-6-0249	Lower Boundary 72	GDA	54	730230	6161398	Open site	Valid	Modified Tree		
								(Carved or Scarred):		

Report generated by AHIMS Web Service on 05/10/2014 for Clare Anderson for the following area at Datum :GDA, Zone : 54, Eastings : 730000 - 744600, Northings : 6159200 - 6177770 with a Buffer of 0 meters. Additional Info : inform a predictive model. Number of Aboriginal sites and Aboriginal objects found is 107



Your Ref Number: 1720

Client Service ID: 149923

<u>SiteID</u>	<u>SiteName</u>	<u>Datum</u>	<b>Zone</b>	<b>Easting</b>	<b>Northing</b>	<u>Context</u>	Site Status	<b>SiteFeatures</b>	<u>SiteTypes</u>	<u>Reports</u>
	<u>Contact</u> Searle	Recorders	<u> </u>	nya Charles,M	ır.Shannon Kell	7		<u>Permits</u>		
47-6-0250	Lower Boundary 73	GDA	54	730227	6161393	Open site	Valid	Modified Tree (Carved or Scarred) :		
	<b>Contact</b> Searle	Recorders	<u>s</u> Tar	nya Charles,M	As.Cheryl Brown	,Mr.Michael Kelly,	Mr.Shannon Kelly	<u>Permits</u>		
47-6-0251	Lower Boundary 74	GDA		730214	6161392	Open site	Valid	Modified Tree (Carved or Scarred) :		
	<u>Contact</u> Searle	Recorders	<u>s</u> Tar	nya Charles,M	Is.Cheryl Brown	,Mr.Michael Kelly,l	Mr.Shannon Kelly	<b>Permits</b>		
47-6-0252	Lower Boundary 75	GDA	54	730206	6161366	Open site	Valid	Modified Tree (Carved or Scarred) : -		
	<b>Contact</b> Searle	Recorders	<u>s</u> Tar	nya Charles,M	As.Cheryl Brown	,Mr.Michael Kelly,	Mr.Shannon Kelly	<u>Permits</u>		
47-6-0061	Lower Boundary 0	GDA		731163	6161519	Open site	Valid	Artefact : -		
	<u>Contact</u> Searle	Recorders	s Mr.	Lawrence Cl		n Ridges.Mr.Michae	el Kellv.Mr.Mark Bro	ettschneider <b>Permits</b>		
47-6-0219	Lower Boundary 42	GDA		731163	6161519	Open site	Valid	Artefact : -		
	<u>Contact</u> Searle	Recorders	s Mr.	Lawrence Cl	arke.Mr.Malcoln	n Ridges Mr.Michae	el Kellv.Mr.Mark Bro	ettschneider <u>Permits</u>		
47-6-0220	Lower Boundary 43	GDA		731164	6161519	Open site	Valid	Artefact : -		
	Contact Searle	Recorders		Michael Kell				Permits Permits		
47-6-0221	Lower Boundary 44	GDA		731030	6161478	Open site	Valid	Hearth:		
	Contact Searle	Recorders		Joe Xie,Mr.M		- F		Permits		
47-6-0222	_ <del></del>	GDA		731021	6161458	Open site	Valid	Artefact : -, Earth		
17 0 0222	Lower Boundary 15	GDII	51	751021	0101100	open site	vana	Mound : -, Hearth : -		
	<u>Contact</u> Searle	Recorders	<u>s</u> Mr.	Joe Xie,Mr.M	ichael Kelly			<u>Permits</u>		
47-6-0223	Lower Boundary 46	GDA	54	730999	6161454	Open site	Valid	Modified Tree (Carved or Scarred) : -		
	<u>Contact</u> Searle	Recorders	<u>s</u> Mr.	Joe Xie,Mr.M	ichael Kelly			<u>Permits</u>		
47-6-0224	Lower Boundary 47	GDA	54	730988	6161477	Open site	Valid	Modified Tree (Carved or Scarred) : -		
	<u>Contact</u> Searle	Recorders	<u>s</u> Mr.	Joe Xie,Mr.M	ichael Kelly			<u>Permits</u>		
47-6-0225	Lower Boundary 48	GDA		730986	6161487	Open site	Valid	Modified Tree (Carved or Scarred) : -		
	<u>Contact</u> Searle	Recorders		Joe Xie,Mr.M	•			<u>Permits</u>		
47-6-0226	Lower Boundary 49	GDA	54	730899	6161406	Open site	Valid	Modified Tree (Carved or Scarred) : -		

Report generated by AHIMS Web Service on 05/10/2014 for Clare Anderson for the following area at Datum :GDA, Zone : 54, Eastings : 730000 - 744600, Northings : 6159200 - 6177770 with a Buffer of 0 meters. Additional Info : inform a predictive model. Number of Aboriginal sites and Aboriginal objects found is 107



Your Ref Number: 1720

Client Service ID: 149923

teID	<u>SiteName</u>		<u>Datum</u>	Zone	Easting	Northing	Context	Site Status	<u>SiteFeatures</u>	<u>SiteTypes</u>	Reports
	<u>Contact</u> Searle	2	Recorders	Mr.Jo	e Xie,Mr.Mic	hael Kelly			<u>Permi</u>	<u>ts</u>	
-6-0227	Lower Boundary 50		GDA	54	730861	6161366	Open site	Valid	Modified Tree (Carved or Scarred -	):	
	<u>Contact</u> Searle	2	Recorders	Mr.Jo	e Xie,Mr.Mic	hael Kelly			<u>Permi</u>	<u>ts</u>	
-6-0228	Lower Boundary 51		GDA	54	730828	6161265	Open site	Valid	Artefact : -, Hearth Shell : -	: -,	
	<u>Contact</u> Searle		<u>Recorders</u>	Mr.Jo	e Xie,Mr.Mic	hael Kelly			<u>Permi</u>	<u>ts</u>	
-6-0229	Lower Boundary 52		GDA	54	730856	6161179	Open site	Valid	Modified Tree (Carved or Scarred -	):	
	<u>Contact</u> Searle	e	<u>Recorders</u>	Mr.Jo	e Xie,Mr.Mic	hael Kelly			<u>Permi</u>	<u>ts</u>	
-6-0230	Lower Boundary 53		GDA	54	730890	6161092	Open site	Valid	Hearth : -		
	<u>Contact</u> Searle		Recorders	Mr.Io	e Xie,Mr.Mic	hael Kelly			Permi	ts	
7-6-0231	Lower Boundary 54		GDA		730996	6161245	Open site	Valid	Modified Tree (Carved or Scarred		
	<u>Contact</u> Searle		Recorders	Mr.Jo	e Xie,Mr.Mic	hael Kelly			<u>Permi</u>	<u>ts</u>	
-6-0232	Lower Boundary 55		GDA	54	731000	6161251	Open site	Valid	Hearth : -		
	<u>Contact</u> Searle		Recorders	Mr.Jo	e Xie,Mr.Mic	hael Kelly			<u>Permi</u>	ts	
7-6-0125	Lower Boundary 7		GDA		730680	6161449	Open site	Valid	Modified Tree (Carved or Scarred		
	<u>Contact</u> Searle		<u>Recorders</u>	Mr.M	ark Brettsch	neider			<u>Permi</u>	<u>ts</u>	
'-6-0126	Lower Boundary 8		GDA	54	730713	6161337	Open site	Valid	Modified Tree (Carved or Scarred -	):	
	<u>Contact</u> Searle		<u>Recorders</u>	Mr.M	ark Brettsch	neider			<u>Permi</u>	<u>ts</u>	
-6-0127	Lower Boundary 9		GDA	54	730750	6161132	Open site	Valid	Modified Tree (Carved or Scarred -	):	
	<u>Contact</u> Searle		<u>Recorders</u>	Mr.M	ark Brettsch	neider			<u>Permi</u>	<u>ts</u>	
-6-0128	Lower Boundary 10		GDA	54	730832	6161166	Open site	Partially Destroyed	Modified Tree (Carved or Scarred -	):	
	<u>Contact</u> Searle	<u> </u>	<u>Recorders</u>	Mr.M	ark Brettsch	neider			<u>Permi</u>	<u>ts</u>	
-6-0129	Lower Boundary 11		GDA	54	730693	6160998	Open site	Valid	Modified Tree (Carved or Scarred	) •	
									-		

Report generated by AHIMS Web Service on 05/10/2014 for Clare Anderson for the following area at Datum :GDA, Zone : 54, Eastings : 730000 - 744600, Northings : 6159200 - 6177770 with a Buffer of 0 meters. Additional Info : inform a predictive model. Number of Aboriginal sites and Aboriginal objects found is 107



Your Ref Number: 1720

Client Service ID: 149923

eID	<u>SiteName</u>	<b>Datum</b>	<b>Zone</b>	<b>Easting</b>	<b>Northing</b>	Context	Site Status	<u>SiteFeatures</u>	<u>SiteTvpes</u>	Reports
		GDA		730684	6160997	Open site	Valid	Modified Tree		<u> </u>
0100	201101 20111111111111111111111111111111	G211	0.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	0100777	open site	7 4114	(Carved or Scarred) :		
								-		
	<u>Contact</u> Searle	Recorders	Mr.N	Mark Brettsc	nneider			<u>Permits</u>		
5-0131	Lower Boundary 13	GDA	54	730628	6160922	Open site	Valid	Modified Tree		
								(Carved or Scarred):		
								-		
	<u>Contact</u> Searle	<u>Recorders</u>	Mr.N	Mark Brettscl	nneider			<u>Permits</u>		
6-0132	Lower Boundary 14	GDA	54	730683	6160910	Open site	Valid	Modified Tree		
								(Carved or Scarred):		
								-		
	<u>Contact</u> Searle	Recorders	Mr.N	Mark Brettsc	nneider			<u>Permits</u>		
6-0133	Lower Boundary 15	GDA	54	730618	6160986	Open site	Valid	Modified Tree		
								(Carved or Scarred):		
								-		
	<u>Contact</u> Searle	Recorders	Mr.N	Mark Brettscl	nneider			<u>Permits</u>		
6-0134	Lower Boundary 16	GDA	54	730530	6161048	Open site	Valid	Modified Tree		
								(Carved or Scarred):		
								-		
	<u>Contact</u> Searle	<u>Recorders</u>	Mr.N	Mark Brettsc	nneider			<u>Permits</u>		
6-0135	Lower Boundary 17	GDA	54	730524	6161027	Open site	Valid	Modified Tree		
								(Carved or Scarred):		
								-		
	<u>Contact</u> Searle	<u>Recorders</u>	Mr.N	Mark Brettsc	hneider			<u>Permits</u>		
6-0136	Lower Boundary 18	GDA	54	730493	6161066	Open site	Valid	Modified Tree		
								(Carved or Scarred):		
								-		
	<u>Contact</u> Searle	<u>Recorders</u>	Mr.I	Lawrence Cla	rke,Mr.Mark B	rettschneider		<u>Permits</u>		
6-0137	Lower Boundary 19	GDA	54	730470	6161007	Open site	Valid	Modified Tree		
								(Carved or Scarred):		
								-		
	<u>Contact</u> Searle	Recorders			nneider,Mr.Jare	ed Ells,Mr.Jesse Cl	harles	<u>Permits</u>		
6-0138	Lower Boundary 20	GDA	54	730169	6160899	Open site	Valid	Modified Tree		
								(Carved or Scarred):		
								-		
	<u>Contact</u> Searle	Recorders			nneider,Mr.Jare			<u>Permits</u>		
6-0326	LALC Scar Tree	GDA	54	736646	6162361	Open site	Valid	Modified Tree		
								(Carved or Scarred):		
								-		
	<u>Contact</u> Searle	Recorders	Mr.I	Lawrence Cla	rke			<u>Permits</u>		

Report generated by AHIMS Web Service on 05/10/2014 for Clare Anderson for the following area at Datum :GDA, Zone : 54, Eastings : 730000 - 744600, Northings : 6159200 - 6177770 with a Buffer of 0 meters. Additional Info : inform a predictive model. Number of Aboriginal sites and Aboriginal objects found is 107



Your Ref Number: 1720

Client Service ID: 149923

SiteID	<u>SiteName</u>	<u>Datum</u>	<u>Zone</u>	Easting	Northing	<u>Context</u>	Site Status	<u>SiteFeatures</u>	<u>SiteTypes</u>	Reports
7-6-0139	Lower Boundary 21	GDA	54	730023	6161043	Open site	Valid	Modified Tree		
								(Carved or Scarred):		
								-		
	<u>Contact</u> Searle	Recorders				ed Ells,Mr.Jesse C		<u>Permits</u>		
47-6-0144	Lower Boundary 26	GDA	54	730019	6160693	Open site	Valid	Modified Tree		
								(Carved or Scarred) :		
		n 1				I DU M I	, ,	-		
17 6 0145	Contact Searle	Recorders				ed Ells,Mr.Jesse C		Permits  Modified Tree		
17-6-0145	Lower Boundary 27	GDA	54	730346	6160719	Open site	Valid	(Carved or Scarred) :		
								(carved or scarred).		
	<u>Contact</u> Searle	Recorders	Mr.N	Aark Brettscl	nneider Mr.Iare	ed Ells,Mr.Jesse C	harles	Permits Permits		
17-6-0062	Lower Boundary 01	GDA		730172	6161148		Valid	Modified Tree		
	, , , , , , , , , , , , , , , , , , , ,							(Carved or Scarred):		
								-		
	<u>Contact</u> Searle	<u>Recorders</u>	Mr.Jo	oe Xie,Mr.Da	mien Charles,M	Ir.Daniel Kelly,M	r.David RMB Crew	<u>Permits</u>		
17-6-0063	Lower Boundary 02	GDA	54	730144	6161142	Open site	Valid	Modified Tree		
								(Carved or Scarred):		
	<u>Contact</u> Searle	Recorders					r.David RMB Crew	<u>Permits</u>		
17-6-0064	Lower Boundary 03	GDA	54	730140	6161192	Open site	Valid	Modified Tree		
								(Carved or Scarred) :		
	<u>Contact</u> Searle	Recorders	MrI	ne Xie Mr Da	mien Charles M	Ir Daniel Kelly M	r.David RMB Crew	Permits		
17-6-0065	Lower Boundary 04	GDA		730020		Open site	Valid	Modified Tree		
., 0 0000	Zower Zoumany or	<b>4211</b>	0.	,50020	0101001	open site	, and	(Carved or Scarred) :		
								-		
	<u>Contact</u> Searle	Recorders	Mr.Jo	oe Xie,Mr.Da	mien Charles,M	Ir.Daniel Kelly,M	r.David RMB Crew	<u>Permits</u>		
47-6-0066	Lower Boundary 05	GDA	54	730050	6161356	Open site	Valid	Modified Tree		
								(Carved or Scarred):		
								-		
	<u>Contact</u> Searle	<u>Recorders</u>					r.David RMB Crew	<u>Permits</u>		
47-6-0067	Lower Boundary 06	GDA	54	730060	6161393	Open site	Valid	Modified Tree		
								(Carved or Scarred) :		
	<u>Contact</u> Searle	Recorders	Mr.L	oo Vio Mr Do	mion Charles N	Ir Daniel Kelly M	r.David RMB Crew	- <u>Permits</u>		
47-6-0327	Island Scar Tree	GDA		736646	6162361		Valid	Modified Tree		
17-0-0327	isiailu stai 11ee	GDA	34	730040	0102301	Open site	vallu	(Carved or Scarred) :		
								(darved or bearred).		
								<u> </u>		

Report generated by AHIMS Web Service on 05/10/2014 for Clare Anderson for the following area at Datum: GDA, Zone: 54, Eastings: 730000 - 744600, Northings: 6159200 - 6177770 with a Buffer of 0 meters. Additional Info: inform a predictive model. Number of Aboriginal sites and Aboriginal objects found is 107



Your Ref Number: 1720

Client Service ID: 149923

Contact   Recorders   Mr. John (Gubba) Woods   Permits	GOVERNMENT	Extensive search site list i	Срогс							Gireire	SCIVICC ID : 117723
AGD   S4   739708   6168833   Open site   Valid   Modified Tree   Carved or Scarred									Modified Tree	<u>SiteTypes</u>	Reports
AGD   S4   739708   6168833   Open site   Valid   Modified Tree   Carved or Scarred		Contact	Recorders	Doc	tor carah ma	rtin			- Pormite		
Contact   Recorder   Secondary   Seconda	47-6-0572			_			Onen site	Valid	<u> </u>		
AGD	1, 0 05,2	Tancy 1.2	ngb	01	787700	0100033	open site	vunu			
Carved or Scarred    Carved		Contact	Recorders	Doc	tor.sarah ma	rtin			<u>Permits</u>		
Archology   Arch	47-6-0573	Auley 1.3	AGD	54	739714	6168863	Open site	Valid			
Contact   Recorders   Seconders   Second		Contact	Recorders	Doc	tor.sarah ma	rtin			<u>Permits</u>		
47-6-0575 Auley 3.1 AGD	47-6-0574	Auley 2.1	AGD	54	739686	6168943	Open site	Valid	Hearth : -		
47-6-0575 Auley 3.1 AGD		Contact	Recorders	Doct	tor.sarah ma	rtin			<u>Permits</u>		
Contact   Recorder   Square	47-6-0575		AGD	54	742115	6169616	Open site	Valid			
47-6-0576 Alley 4 Alley 6 Alley 4 Alley 4 Alley 6 Alley 4 Alley 6 Alley 4 Alley 6 All									(Carved or Scarred):		
Contact   Recorder   Carred   Secondary   Carred   Carr				_							
Arch-0.0577   Auley 2.2   Auley 2.2   Auley 2.2   Auley 2.2   Auley 2.2   Auley 2.3   Auley 2.3   Auley 2.4   Auley 2.5   Auley 2.5   Auley 2.6   Auley 2.7   Au	47-6-0576	Auley 4	AGD	54	739160	6169217	Open site	Valid			
Contact   Recorders   Mr.   Full (Gubba)   Full (		Contact	Recorders	Doct	tor.sarah ma	rtin			<u>Permits</u>		
47-6-0578       Auley 2.3       AGD       54       740146       6169298       Open site       Valid       Modified Tree (Carved or Scarred) : Garved or Scarred) : Garved or Scarred) : Garved or Scarred) : Garved or Scarred	47-6-0577	Auley 2.2	AGD	54	740073	6169261	Open site	Valid			
Contact   Recorder   Mr.John (Gubba) Woods   Permits   Carved or Scarred   Carved or		Contact	Recorders	Mr.J	ohn (Gubba)	Woods			<u>Permits</u>		
47-6-0579 Auley 2.4 AGD 54 740511 6169473 Open site Valid Modified Tree (Carved or Scarred):	47-6-0578	Auley 2.3	AGD	54	740146	6169298	Open site	Valid			
Contact Recorders Mr.John (Gubba) Woods Fermits  47-6-0014 Balranald; Town Commom; AGD 54 740059 6167827 Open site Valid Modified Tree Scarred Tree (Carved or Scarred):		Contact	Recorders	Mr.J	ohn (Gubba)	Woods			<u>Permits</u>		
47-6-0014 Balranald; Town Commom; AGD 54 740059 6167827 Open site Valid Modified Tree Scarred Tree (Carved or Scarred):	47-6-0579	Auley 2.4	AGD	54	740511	6169473	Open site	Valid			
(Carved or Scarred):		Contact	Recorders	Mr.J	ohn (Gubba)	Woods					
Contact Recorders K Williams Permits	47-6-0014	Balranald;Town Commom;				6167827	Open site	Valid	(Carved or Scarred) :	Scarred Tree	
		Contact	Recorders	KW	illiams				<u>Permits</u>		

Report generated by AHIMS Web Service on 05/10/2014 for Clare Anderson for the following area at Datum :GDA, Zone : 54, Eastings : 730000 - 744600, Northings : 6159200 - 6177770 with a Buffer of 0 meters. Additional Info : inform a predictive model. Number of Aboriginal sites and Aboriginal objects found is 107



Your Ref Number: 1720

Client Service ID: 149923

<u>SiteID</u>	<u>SiteName</u>	<u>Datum</u>	<b>Zone</b>	<b>Easting</b>	<b>Northing</b>	<b>Context</b>	Site Status	<b>SiteFeatures</b>	<u>SiteTypes</u>	<b>Reports</b>
7-6-0015	Police Paddock Scarred Tree;	AGD	54	735400	6163300	Open site	Valid	Modified Tree (Carved or Scarred) :	Scarred Tree	1216
	<u>Contact</u>	Recorders	Bon	homme Crai	b & Associates			<u>Permits</u>		
7-6-0016	Muhti Muhti Reserve Midden;	AGD		733000	6164000	Open site	Valid	Earth Mound : -, Shell : -, Artefact : -	Midden	1216
	Contact	Recorders			b & Associates			<u>Permits</u>		
7-6-0002	Balranald Mission Cemetery and Island	AGD	54	735223	6162576	Open site	Valid	Aboriginal Ceremony and Dreaming : -, Burial : -		
	Contact	Recorders	Har	ry Creamer,F	Ray Kelly,NPWS	- Blackheath O	ffice,Alexandra Kelly	<u>Permits</u>		
17-6-0006	Balranald Burial Grounds	AGD		732429	6163447	Open site	Valid	Burial : -, Modified Tree (Carved or Scarred) : -	Burial/s,Scarred Tree	
7.6.0046	Contact	Recorders			(1(4400	0	W-1: J	<u>Permits</u> Modified Tree		00524
7-6-0046	balranald levee 1	AGD	54	735812	6164400	Open site	Valid	(Carved or Scarred) :		98524
	<u>Contact</u>	<u>Recorders</u>	Ms.V	Janessa Edm	onds			<u>Permits</u>		
17-6-0044	balranald levee 5	AGD		735830	6164022	Open site	Valid	Modified Tree (Carved or Scarred) : -		98524
	<u>Contact</u>	<u>Recorders</u>	Ms.V	Janessa Edm	onds			<u>Permits</u>		
7-6-0045	balranald levee 2	AGD	54	735860	6164355	Open site	Valid	Modified Tree (Carved or Scarred) : -		98524
	<u>Contact</u>	Recorders	Ms.V	/anessa Edm	onds			<b>Permits</b>		
7-6-0047	balranald levee 6  Contact	AGD <b>Recorders</b>		734800 Janessa Edm	6163492	Open site	Valid	Shell : -  Permits		98524
7-6-0057	Woodmount	AGD		738007	6163225	Open site	Valid	Burial : -		
	<u>Contact</u> Searle	Recorders		Mark Brettsc	hneider	•		<u>Permits</u>		
17-6-0058	Yanga creek mound 1	AGD		735195	6163476	Open site	Valid	Earth Mound : -		
	Contact Searle	Recorders		Mark Brettsc		•		Permits		
17-6-0059	Yanga Creek mound 2	AGD		738918	6161077	Open site	Valid	Earth Mound : -		
<del>-</del>	Contact Searle	Recorders		Mark Brettsc		*		Permits		
17-6-0060	Yanga creek scarred tree	AGD		740113	6161009	Open site	Valid	Modified Tree (Carved or Scarred) :		
	<u>Contact</u> Searle	D		Mark Brettsc				<u>Permits</u>		

Report generated by AHIMS Web Service on 05/10/2014 for Clare Anderson for the following area at Datum: GDA, Zone: 54, Eastings: 730000 - 744600, Northings: 6159200 - 6177770 with a Buffer of 0 meters. Additional Info: inform a predictive model. Number of Aboriginal sites and Aboriginal objects found is 107



#### AHIMS Web Services (AWS)

**Extensive search - Site list report** 

Your Ref Number: 1720

Client Service ID: 149923

<u>SiteID</u>	<u>SiteName</u>	<b>Datum</b>	Zone	<b>Easting</b>	<b>Northing</b>	<u>Context</u>	Site Status	<u>SiteFeatures</u>	<u>SiteTypes</u>	Reports
47-6-0607	West Balranald 47	GDA	54	731292	6175312	Open site	Valid	Artefact : -		
	Contact	Recorders	Mr.G	iles Hamm				<u>Permits</u>		



Your Ref Number : 2003 Balranald

Client Service ID: 128497

SiteID	SiteName	Datum	Zone	Easting	Northing	Context	Site Status	SiteFeatures	SiteTyp	<u>es Reports</u>
17-2-0181	tin tin 20	GDA	54	728709	6197280	Open site	Valid	Earth Mound : -		
	Contact	Recorders	<u>s</u> Do	ctor.Sarah Ma	rtin,Mr.Julian F	Pitts		Pe	rmits	
7-2-0152	tin tin 117	GDA	54	726952	6196955	Open site	Valid	Hearth : -		
	Contact	Recorders	<u>s</u> Mr	RENE WOOD	S			<u>Pe</u>	rmits	
7-2-0159	tin tin 124	GDA	54	729732	6197952	Open site	Valid	Artefact : -		
	Contact	Recorders	<u>s</u> Mr	RENE WOOD	S			Per	rmits	
7-3-0340	narwie 154	GDA	54	731659	6199377	Open site	Valid	Artefact : -		
	<u>Contact</u>	Recorders	<u>s</u> Mr	RENE WOOD	S			Per	rmits	
7-2-0135	TIN TIN 319	GDA	- 54	729763	6198152	Open site	Valid	Artefact : -		
	Contact	Recorders	s Mr	.Roland Willia	ms,Mr.Claude	Iackson		Pe	rmits	
7-3-0298	Narwie 315	GDA	_	731462	6199472	Open site	Valid	Artefact : -		
	Contact	Recorders	s Mr	.Roland Willia	ms,Mr.Claude	lackson		Per	rmits	
7-2-0116	tin tin 224	GDA		728721	6197194	Open site	Valid	Hearth : -		
	Contact	Recorders	s Do	ctor.Sarah Ma	rtin,Ms.Karen l	Murrav		Pei	rmits	
7-2-0136	tin tin 101	GDA	_	726791	6197023	Open site	Valid	Artefact : -, Hea		
	Contact	Recorders	s Mr	RENE WOOD	S			Per	rmits	
7-2-0137	tin tin 102	GDA		726637	6196971	Open site	Valid	Hearth : -		
	Contact	Recorders	s Mr	RENE WOOD	S	-		Pei	rmits	
7-2-0138	tin tin 103	GDA	_	726603	6196961	Open site	Valid	Hearth : -		
	Contact	Recorders		RENE WOOD	S	•		Pei	rmits	
7-2-0139	tin tin 104	GDA		726580	6196962	Open site	Valid	Hearth : -	<del></del>	
	Contact	Recorders	s Mr	RENE WOOD	S			Per	rmits	
7-2-0140	tin tin 105	GDA		726576	6196970	Open site	Valid	Hearth : -		
	Contact	Recorders	s Mr	RENE WOOD	S			Pei	rmits	
7-2-0141	tin tin 106	GDA	_	726578	6196961	Open site	Valid	Hearth : -		
	<u>Contact</u>	Recorders	s Mr	RENE WOOD	S	-		Per	rmits	
7-2-0143		GDA		726634	6197059	Open site	Valid	Modified Tree		
						•		(Carved or Scar	red):	
								-		
	Contact	Recorders		RENE WOOD					<u>rmits</u>	
7-2-0144	tin tin 109	GDA		726746	6197099	Open site	Valid	Hearth : -		
	Contact	Recorders	_	RENE WOOD					<u>rmits</u>	
7-2-0145	tin tin 110	GDA		726745	6197103	Open site	Valid	Hearth : -		
	<u>Contact</u>	Recorders		RENE WOOD					<u>rmits</u>	
7-2-0146	tin tin 111	GDA	54	726727	6197115	Open site	Valid	Hearth : -		

Report generated by AHIMS Web Service on 15/03/2014 for Clare Anderson for the following area at Datum :GDA, Zone : 54, Eastings : 695000 - 740000, Northings : 6197000 - 6255000 with a Buffer of 50 meters. Additional Info : inform archaeological assessment. Number of Aboriginal sites and Aboriginal objects found is 96



Your Ref Number : 2003 Balranald

Client Service ID: 128497

<u>SiteID</u>	<u>SiteName</u>	<u>Datum</u>	<u>Zone</u>	<b>Easting</b>	<b>Northing</b>	<b>Context</b>	Site Status	<u>SiteFeatu</u>	<u>res</u>	<u>SiteTypes</u>	<u>Reports</u>
	Contact	Recorders	Mr.l	RENE WOODS					<u>Permits</u>		
7-2-0147	tin tin 112	GDA	54	726796	6196964	Open site	Valid	Hearth : -			
	<u>Contact</u>	Recorders	Mr.I	RENE WOODS					<b>Permits</b>		
17-2-0148	tin tin 113	GDA	54	726816	6196968	Open site	Valid	Hearth : -			
	Contact	Recorders	Mr.l	RENE WOODS					<b>Permits</b>		
7-2-0151	tin tin 116	GDA	54	726921	6196965	Open site	Valid	Hearth : -			
	<u>Contact</u>	Recorders	Mr.I	RENE WOODS					<b>Permits</b>		
7-2-0153	tin tin 118	GDA	54	726971	6196964	Open site	Valid	Hearth : -			
	Contact	Recorders	Mr.I	RENE WOODS					<u>Permits</u>		
7-2-0160	tin tin 125	GDA			6197956	Open site	Valid	Artefact : -			
	Contact	Recorders	Mr.I	RENE WOODS					<u>Permits</u>		
17-2-0161	tin tin 126	GDA			6197815	Open site	Valid	Hearth : -			
	Contact	Recorders		RENE WOODS		•			<u>Permits</u>		
17-3-0335	tin tin 127	GDA		731637	6199240	Open site	Valid	Earth Mou			
								Hearth : -	,		
	Contact	Recorders	Mr.I	RENE WOODS					<u>Permits</u>		
7-3-0336	narwie 150	GDA	54	731659	6199260	Open site	Valid	Hearth : -			
	<u>Contact</u>	Recorders	Mr.l	RENE WOODS					<b>Permits</b>		
17-3-0337	narwie 151	GDA	54	731680	6199292	Open site	Valid	Earth Mou	nd : -,		
								Hearth : -			
	Contact	Recorders		RENE WOODS					<u>Permits</u>		
7-3-0338	narwie 152	GDA	54	731675	6199298	Open site	Valid	Hearth : -			
	Contact	Recorders	Mr.l	RENE WOODS					<u>Permits</u>		
17-3-0339	narwie 153	GDA	54	731672	6199321	Open site	Valid	Hearth : -			
	<u>Contact</u>	Recorders	Mr.l	RENE WOODS					<b>Permits</b>		
7-3-0341	narwie 155	GDA	54	731691	6199376	Open site	Valid	Artefact : -			
	Contact	Recorders	Mr.l	RENE WOODS					<b>Permits</b>		
17-3-0342	narwie 156	GDA	54	731830	6199305	Open site	Valid	Hearth : -,	Shell : -		
	<u>Contact</u>	Recorders	Mr.I	RENE WOODS					<b>Permits</b>		
17-3-0343	narwie 157	GDA	54	731891	6199294	Open site	Valid	Hearth : -,	Shell : -		
	Contact	Recorders	Mr.I	RENE WOODS					<b>Permits</b>		
17-3-0344	narwie 158	GDA			6199308	Open site	Valid	Artefact : -			
	Contact	Recorders		RENE WOODS					<u>Permits</u>		
47-2-0191	Tin Tin Huts & Camps	GDA			6197444	Open site	Valid	Conflict : -			
						1					

Report generated by AHIMS Web Service on 15/03/2014 for Clare Anderson for the following area at Datum :GDA, Zone : 54, Eastings : 695000 - 740000, Northings : 6197000 - 6255000 with a Buffer of 50 meters. Additional Info : inform archaeological assessment. Number of Aboriginal sites and Aboriginal objects found is 96



Your Ref Number: 2003 Balranald

Client Service ID: 128497

<u>SiteID</u>	SiteName	<u>Datum</u>	<b>Zone</b>	<b>Easting</b>	<b>Northing</b>	<b>Context</b>	Site Status	<u>SiteFeatures</u>	<u>SiteTypes</u>	Reports
0-5-0099	AS-004	AGD	54	700900	6237300	Open site	Valid	Artefact : -, Hearth : -		
	Contact	Recorders	P C	arke				<u>Permits</u>		
-2-0017	B-016	AGD	54	695100	6202300	Open site	Valid	Artefact : -, Hearth : -		
	Contact	Recorders	P C	arke				<u>Permits</u>		
7-2-0133	TIN TIN 317	GDA	54	729354	6198055	Open site	Valid	Hearth : -		
	Contact	Recorders	Mr.	Roland Willia	ms,Mr.Claude	Jackson		<u>Permits</u>		
-2-0134	TIN TIN 318	GDA	54	729763	6198152	Open site	Valid	Artefact : -		
	<u>Contact</u>	Recorders	Mr.	Roland Willia	ms,Mr.Claude	ackson		<u>Permits</u>		
7-3-0291	Narwie 308	GDA	54	731555	6199273	Open site	Valid	Earth Mound : -,		
	Contact	Dogondona	M	Dolond Willia	ma Mu Clauda	In alran w		Hearth:		
7-3-0292	Contact Narwie 309	Recorders GDA		731584	ms,Mr.Claude 6199292	Open site	Valid	Permits Hearth:-		
5 02/2	Contact	Recorders			ms,Mr.Claude	•		Permits		
-3-0293	Narwie 310	GDA			6199308	Open site	Valid	Artefact : -, Hearth : -		
	Contact	Recorders			ms,Mr.Claude	•		<u>Permits</u>		
-3-0294	Narwie 311	GDA		731581	6199319	Open site	Valid	Hearth : -		
	Contact	Recorders			ms,Mr.Claude	Iackson		<u>Permits</u>		
'-3-0295	Narwie 312	GDA			6199325		Valid	Hearth : -		
	Contact	Recorders	Mr.	Roland Willia	ms,Mr.Claude	Jackson		<u>Permits</u>		
-3-0296	Narwie 313	GDA	54	731569	6199416	Open site	Valid	Earth Mound : -		
	Contact	Recorders	Mr.	Roland Willia	ms,Mr.Claude	Jackson		<u>Permits</u>		
-3-0297	Narwie 314	GDA	54	731435	6199499	Open site	Valid	Earth Mound : -		
	Contact	Recorders	Mr.	Roland Willia	ms,Mr.Claude	Jackson		<u>Permits</u>		
-2-0096	tin tin 201	GDA	54	726817	6197034	Open site	Valid	Hearth : -		
	Contact	Recorders	Doo	tor.Sarah Ma	rtin,Ms.Karen l	Murray		<u>Permits</u>		
7-2-0097	tin tin 202	GDA	54	726831	6197035	Open site	Valid	Hearth : -		
	<u>Contact</u>	Recorders	Doo	tor.Sarah Ma	rtin,Ms.Karen	Murray		<u>Permits</u>		
7-2-0098	tin tin 203	GDA	54	726812	6197042	Open site	Valid	Hearth : -		
	<u>Contact</u>	Recorders	Doc	tor.Sarah Ma	rtin,Ms.Karen	Murray		<u>Permits</u>		
'-2-0099	tin tin 204	GDA	54	726816	6197104	Open site	Valid	Hearth : -		
	<u>Contact</u>	Recorders			rtin,Ms.Karen l	Murray		<u>Permits</u>		
-2-0100	tin tin 206	GDA	54	726845	6197100	Open site	Valid	Artefact : -		
	Contact	Recorders			rtin,Ms.Karen	-		<u>Permits</u>		
-2-0101	tin tin 208	GDA	54	726895	6197049	Closed site	Valid	Hearth : -		
	Contact	Recorders	Doo	tor.Sarah Ma	rtin,Ms.Karen l	Murray		<u>Permits</u>		

Report generated by AHIMS Web Service on 15/03/2014 for Clare Anderson for the following area at Datum :GDA, Zone : 54, Eastings : 695000 - 740000, Northings : 6197000 - 6255000 with a Buffer of 50 meters. Additional Info : inform archaeological assessment. Number of Aboriginal sites and Aboriginal objects found is 96



#### AHIMS Web Services (AWS)

**Extensive search - Site list report** 

Your Ref Number: 2003 Balranald

Client Service ID: 128497

<u>iteID</u>	SiteName	<u>Datum</u>	<b>Zone</b>	<b>Easting</b>	<b>Northing</b>	<u>Context</u>	Site Status	SiteFeatures	<u> </u>	<u>iteTypes</u>	Reports
7-2-0102	tin tin 209	GDA	54	726982	6197017	Open site	Valid	Hearth : -			
	Contact	Recorders	Doct	or.Sarah Mar	tin,Ms.Karen l	Murray		I	Permits		
7-2-0103	tin tin 210	GDA	54	727089	6196994	Open site	Valid	Hearth : -			
	Contact	Recorders	Doct	or.Sarah Mar	tin,Ms.Karen l	Murray		<u>I</u>	<u>Permits</u>		
7-2-0104	tin tin 211	GDA	54	727270	6197066	Open site	Valid	Earth Mound	:-		
	Contact	Recorders	Doct	or.Sarah Mar	tin,Ms.Karen l	Murray		<u>I</u>	Permits		
7-2-0105	tin tin 212	GDA	54	727135	6197177	Open site	Valid	Hearth : -			
	Contact	Recorders	Doct	or.Sarah Mar	tin,Ms.Karen l	Murray		<u> </u>	Permits		
7-2-0106	tin tin 213	GDA	54	727097	6197183	Open site	Valid	Hearth : -			
	Contact	Recorders	Doct	or.Sarah Mar	tin,Ms.Karen l	Murray		<u> </u>	Permits		
7-2-0107	tin tin 207	GDA	54	727065	6197155	Open site	Valid	Hearth : -			
	Contact	Recorders	Doct	or.Sarah Mar	tin,Ms.Karen l	Murray		<u> </u>	Permits		
7-2-0112	tin tin 220	GDA	54	728721	6197412	Open site	Valid	Hearth : -			
	Contact	Recorders	Doct	or.Sarah Mar	tin,Ms.Karen l	Murray		<u>I</u>	Permits		
7-2-0113	tin tin 219	GDA	54	728727	6197311	Open site	Valid	Hearth : -			
	Contact	Recorders	Doct	or.Sarah Mar	tin,Ms.Karen l	Murray		<u>I</u>	Permits		
7-2-0114	tin tin 221	GDA		728743	6197317	,	Valid	Hearth : -			
	Contact	Recorders	Doct	or.Sarah Mar	tin,Ms.Karen l	Murray		I	Permits		
7-2-0115	tin tin 222	GDA	_		6197310		Valid	Artefact : -			
	Contact	Recorders	Doct	or.Sarah Mar	tin,Ms.Karen l	Murrav		I	Permits		
7-2-0117	tin tin 225	GDA	54	728704	6197201	Closed site	Valid	Hearth : -			
	Contact	Recorders	Doct	or.Sarah Mar	tin,Ms.Karen l	Murrav		I	Permits		
7-2-0162		GDA		726814	6197029	Open site	Valid	Hearth : -			
	Contact	Recorders	Doct	or.Sarah Mar	tin,Mr.Julian F	Pitts		1	Permits		
7-2-0163	tin tin 2	GDA		726812	6197096	Open site	Partially	Hearth : -			
							Destroyed				
	Contact	Recorders	_		tin,Mr.Julian F			_	<u>Permits</u>		
7-2-0164	tin tin 3	GDA	54	726808	6197106	Open site	Partially	Hearth : -			
	Contact	Recorders	Dogt	or Carab Mar	tin,Mr.Julian F	Ditto	Destroyed		<u>Permits</u>		
7-2-0165	tin tin 4	GDA		726810	6197109		Valid	Hearth : -	<u>erinits</u>		
2 0103						-	vanu		) ownsite		
7-2-0166	Contact tin tin 5	Recorders GDA	-	or.Saran Mar 726831	tin,Mr.Julian F 6197134	Open site	Valid	Hearth : -	<u>Permits</u>		
2-0100						•	vanu		)it-		
7-2-0167	Contact tin tin 6	Recorders		or.Sarah Mar 726859	tin,Mr.Julian F		Dartially	Earth Mound	<u>Permits</u>		
/-2-016/	tin tin 6	GDA	54	/20059	6197082	Open site	Partially Destroyed	Hearth : -	· -,		

Report generated by AHIMS Web Service on 15/03/2014 for Clare Anderson for the following area at Datum :GDA, Zone : 54, Eastings : 695000 - 740000, Northings : 6197000 - 6255000 with a Buffer of 50 meters. Additional Info : inform archaeological assessment. Number of Aboriginal sites and Aboriginal objects found is 96



Your Ref Number : 2003 Balranald

Client Service ID: 128497

CitaID	CitoNome	Datum	Zono Essti-	Mouth!	T Contout	City Ct 1	CitoFootoor		CitoTymos	Domonto
<u>SiteID</u>	<u>SiteName</u>		Zone Easting		g <u>Context</u>	Site Status	<u>SiteFeatures</u>		<u>SiteTypes</u>	Reports
7 2 01 60	Contact	Recorders	Doctor.Sarah N			17-1: J		<u>ermits</u>		
7-2-0168	tin tin 7	GDA	54 726887		Open site	Valid	Hearth : -			
	<u>Contact</u>	Recorders	Doctor.Sarah N					<u>ermits</u>		
17-2-0169	tin tin 8	GDA	54 726899	6197054	Open site	Valid	Hearth : -			
	<b>Contact</b>	Recorders	Doctor.Sarah N	lartin,Mr.Juliar	Pitts		P	<u>ermits</u>		
17-2-0170	tin tin 9	GDA	54 727100	6197006	Open site	Valid	Hearth : -			
	<u>Contact</u>	Recorders	Doctor.Sarah N	lartin,Mr.Juliar	Pitts		<u>P</u>	<u>ermits</u>		
7-2-0171	tin tin 10	GDA	54 727110	6197003	Open site	Valid	Hearth : -			
	<u>Contact</u>	Recorders	Doctor.Sarah N	lartin Mr Iuliar	Pitts		р	<u>ermits</u>		
17-2-0172		GDA	54 727129		Open site	Partially	Hearth : -	<u>crimits</u>		
2 01/2				017, 170	Spen one	Destroyed	27001011			
	<u>Contact</u>	Recorders	Doctor.Sarah N	lartin,Mr.Juliar	Pitts		P	<u>ermits</u>		
47-2-0173	tin tin 12	GDA	54 727102			Partially	Artefact : -			
					-	Destroyed				
	<b>Contact</b>	Recorders	Doctor.Sarah N	lartin,Mr.Juliar	Pitts		<u>P</u>	<u>ermits</u>		
7-2-0183	tin tin 22	GDA	54 728795	6197221	Open site	Valid	Hearth : -			
	<u>Contact</u>	Recorders	Doctor.Sarah N	lartin,Mr.Juliar	Pitts		<u>P</u>	<u>ermits</u>		
47-2-0184	tin tin 23	GDA	54 728717	6197194	Open site	Partially	Hearth : -			
					-	Destroyed				
	<b>Contact</b>	Recorders	Doctor.Sarah N	lartin,Mr.Juliar	Pitts		<u>P</u>	<u>ermits</u>		
17-2-0187	tin tin 26	GDA	54 729210	6196987	Open site	Valid	Hearth : -			
	<u>Contact</u>	Recorders	Doctor.Sarah N	lartin,Ms.Karei	n Murray		<u>P</u>	<u>ermits</u>		
7-2-0188	tin tin 27	GDA	54 729221	6196999	Open site	Valid	Grinding Groo			
					•		Hearth : -			
	<b>Contact</b>	Recorders	Doctor.Sarah N	lartin,Ms.Karei	n Murray		<u>P</u>	<u>ermits</u>		
17-2-0189	tin tin 28	GDA	54 729218	6197021	Open site	Valid	Hearth : -			
	<u>Contact</u>	Recorders	Doctor.Sarah N	lartin,Ms.Karei	n Murray		P	<u>ermits</u>		
17-2-0190	tin tin 29	GDA	54 729265	6196988	Open site	Valid	Hearth : -			
	Contact	Recorders	Doctor.Sarah N		•			<u>ermits</u>		
47-3-0401	tin tin 30	 GDA	54 731645	6199225	Open site	Valid	Earth Mound			
17-3-0401					•	vanu				
45.0450	Contact	Recorders	Doctor.Sarah N		•	77 1: 1	_	<u>ermits</u>		
17-2-0179	tin tin 18	GDA	54 728726	6197407	Open site	Valid	Artefact : -			
	<u>Contact</u>	 Recorders	Doctor.Sarah N					<u>ermits</u>		
17-2-0180	tin tin 19	GDA	54 728713	6197399	Open site	Partially	Earth Mound	:-		
						Destroyed				
	<u>Contact</u>	Recorders	Doctor.Sarah N	Iartin,Mr.Juliar	Pitts		<u>P</u>	<u>ermits</u>		

Report generated by AHIMS Web Service on 15/03/2014 for Clare Anderson for the following area at Datum :GDA, Zone : 54, Eastings : 695000 - 740000, Northings : 6197000 - 6255000 with a Buffer of 50 meters. Additional Info : inform archaeological assessment. Number of Aboriginal sites and Aboriginal objects found is 96



Your Ref Number: 2003 Balranald

Client Service ID: 128497

<u>SiteID</u>	<u>SiteName</u>	<u>Datum</u>	Zone	<b>Easting</b>	<b>Northing</b>	<b>Context</b>	Site Status	SiteFeature	<u>s</u>	<u>SiteTypes</u>	<b>Reports</b>
47-2-0182	tin tin 21	GDA	54	728748	6197270	Open site	Partially Destroyed	Earth Mound	l:-		
	Contact	Recorders	Doc	tor.Sarah Ma	rtin,Mr.Julian I	Pitts		]	<u>Permits</u>		
47-3-0402	tin tin 31	GDA	54	731629	6199211	Open site	Valid	Earth Mound	l:-		
	Contact	Recorders	Doc	tor.Sarah Ma	rtin,Ms.Karen	Murray		J	<u>Permits</u>		
17-3-0403	tin tin 32	GDA	54	731630	6199201	Open site	Valid	Hearth : -			
	Contact	Recorders	Doc	tor.Sarah Ma	rtin,Ms.Karen l	Murray		<u>]</u>	<u>Permits</u>		
7-3-0404	tin tin 33	GDA	54	731632	6199197	Open site	Valid	Hearth : -			
	Contact	Recorders	Doc	tor.Sarah Ma	rtin,Ms.Karen	Murray		<u>]</u>	Permits		
7-3-0405	tin tin 34	GDA	54	731625	6199194	Open site	Valid	Hearth:-			
	Contact	Recorders	Doc	tor.Sarah Ma	rtin,Ms.Karen	Murray		]	<u>Permits</u>		
47-3-0406	tin tin 35	GDA	54	731620	6199187	Open site	Valid	Hearth : -			
	Contact	Recorders	Doc	tor.Sarah Ma	rtin,Ms.Karen	Murray		]	Permits		
7-3-0407	tin tin 36	GDA	54	731612	6199180	Open site	Valid	Hearth:-			
	Contact	Recorders	Doc	tor.Sarah Ma	rtin,Ms.Karen	Murray		<u>]</u>	Permits Permits		
7-3-0408	tin tin 37	GDA	54	731611	6199157	Open site	Valid	Hearth : -			
	Contact	Recorders	Doc	tor.Sarah Ma	rtin,Ms.Karen	Murray		]	Permits		
7-3-0409	tin tin 38	GDA	54	731605	6199145	Open site	Valid	Hearth:-			
	Contact	Recorders	Doc	tor.Sarah Ma	rtin,Ms.Karen	Murray		<u>]</u>	Permits Permits		
17-3-0410	tin tin 39	GDA	54	731606	6199140	Open site	Valid	Hearth : -			
	Contact	Recorders	Doc	tor.Sarah Ma	rtin,Ms.Karen	Murray		]	<u>Permits</u>		
17-3-0411	tin tin 40	GDA	54	731597	6199128	Open site	Valid	Earth Mound	l:-		
	Contact	Recorders	Doc	tor.Sarah Ma	rtin,Ms.Karen	Murray		]	<u>Permits</u>		
47-3-0412	tin tin 41	GDA	54	731591	6199111	Open site	Valid	Hearth : -			
	Contact	Recorders	Doc	tor.Sarah Ma	rtin,Ms.Karen l	Murray		]	Permits		
17-3-0413	tin tin 42	GDA	54	731570	6199098	Open site	Valid	Hearth : -			
	Contact	Recorders	Doc	tor.Sarah Ma	rtin,Ms.Karen l	Murray		<u>]</u>	Permits Permits		
17-2-0217	West Balranald 98	GDA	54	717881	6198495	Open site	Valid	Artefact : 1			
	Contact	Recorders	Ms.(	Clare Anderso	on,Iluka Resou	rces Limited		1	Permits		



#### AHIMS Web Services (AWS)

#### Extensive search - Site list report

Your Ref Number: 2003 Balranald

Client Service ID: 128493

SiteID SiteName Datum Zone Easting Northing Context Site Status **SiteFeatures SiteTypes** Reports 47-5-0001 Lake Waldaira; AGD 54 712960 6163793 Open site Valid Burial: -Burial/s Contact Recorders ASRSYS **Permits** 47-5-0002 Balranald; AGD 54 714000 6167900 Open site Valid **Modified Tree** Scarred Tree (Carved or Scarred): **Contact** K Williams **Permits** Recorders 47-5-0003 Balranald; AGD 54 713900 6167800 Open site Valid Modified Tree Scarred Tree (Carved or Scarred): Contact Recorders K Williams **Permits** 47-6-0182 Lower Boundary 31 **Modified Tree GDA** 54 730047 6161103 Valid Open site (Carved or Scarred): **Contact** Searle Recorders Mr.Lawrence Clarke, Mr. Malcolm Ridges **Permits** 47-6-0183 Lower Boundary 32 GDA 54 730039 6161221 Open site Valid Modified Tree (Carved or Scarred): **Contact** Searle Mr.Lawrence Clarke, Mr. Malcolm Ridges **Permits** Recorders 47-6-0184 Lower Boundary 33 **GDA** 54 729891 6161203 Open site Valid **Modified Tree** (Carved or Scarred): Searle Mr.Lawrence Clarke Contact **Permits** Modified Tree 47-6-0185 Lower Boundary 34 **GDA** 54 729937 6161349 Open site Valid (Carved or Scarred): Contact Searle Mr.Lawrence Clarke, Mr. Malcolm Ridges **Permits** Recorders 47-6-0186 Lower Boundary 35 **GDA** 54 729876 Open site Valid Modified Tree 6161418 (Carved or Scarred): Contact Searle Recorders Mr.Lawrence Clarke **Permits** Lower Boundary 36 GDA 54 729868 6161428 Valid Modified Tree 47-6-0187 Open site (Carved or Scarred): **Contact** Searle Recorders Mr.Lawrence Clarke **Permits** 47-6-0188 Lower Boundary 37 54 729923 Valid **Modified Tree GDA** 6161646 Open site (Carved or Scarred): Searle Mr.Lawrence Clarke, Mr. Malcolm Ridges **Contact Permits** Valid 47-6-0189 Lower Boundary 38 GDA 54 729997 6161601 Open site Artefact: -, Hearth: -Contact Searle **Recorders** Mr.Lawrence Clarke **Permits** 

Report generated by AHIMS Web Service on 15/03/2014 for Clare Anderson for the following area at Datum :GDA, Zone : 54, Eastings : 700000 - 730000, Northings : 6140000 - 6197000 with a Buffer of 50 meters. Additional Info : to inform an archaeological assessment. Number of Aboriginal sites and Aboriginal objects found is 105



Your Ref Number : 2003 Balranald

Client Service ID: 128493

GOVERNMENT		Zittelletve searen bi	e not report								
iteID	<u>SiteName</u>		<u>Datum</u>	Zone	Easting	Northing	Context	Site Status	<u>SiteFeatures</u>	<u>SiteTypes</u>	<u>Reports</u>
7-6-0190	Lower Boundary 39		GDA	54	730009	6161595	Open site	Valid	Hearth : -		
	<u>Contact</u> Searle		Recorders	Mr.L	awrence Cla	irke			<u>Permits</u>		
7-6-0139	Lower Boundary 21		GDA	54	730023	6161043	Open site	Valid	Modified Tree		
									(Carved or Scarred):		
	0.1.1		D				I TILL M. I	, ,	- n		
7 6 0140	Contact Searle Lower Boundary 22		<u>Recorders</u> GDA		729986		ed Ells,Mr.Jesse C Open site	harles Valid	Permits  Modified Tree		
17-6-0140	Lower Boundary 22		GDA	34	729900	0101003	Open site	vanu	(Carved or Scarred) :		
									-		
	<u>Contact</u> Searle		Recorders	Mr.N	Mark Brettsc	hneider,Mr.Jar	ed Ells,Mr.Jesse C	harles	<u>Permits</u>		
7-6-0141	Lower Boundary 23		GDA	54	729798	6160988	Open site	Valid	Modified Tree		
									(Carved or Scarred):		
							170 16 1	, ,	-		
17 ( 0142	<u>Contact</u> Searle		Recorders				ed Ells,Mr.Jesse C		<u>Permits</u>		
17-6-0142	Lower Boundary 24		GDA	54	729817	6160884	Open site	Valid	Modified Tree (Carved or Scarred) :		
									-		
	<u>Contact</u> Searle		Recorders	Mr.N	Mark Brettsc	hneider,Mr.Jar	ed Ells,Mr.Jesse C	harles	<u>Permits</u>		
7-6-0143	Lower Boundary 25		GDA	54	729933	6160731	Open site	Valid	Modified Tree		
									(Carved or Scarred):		
									-		
	<u>Contact</u> Searle		Recorders			· · · · · · · · · · · · · · · · · · ·	ed Ells,Mr.Jesse C		Permits		
7-6-0144	Lower Boundary 26		GDA	54	730019	6160693	Open site	Valid	Modified Tree		
									(Carved or Scarred) :		
	<u>Contact</u> Searle		Recorders	Mr.N	Mark Brettsc	hneider,Mr.Jar	ed Ells,Mr.Jesse C	harles	<u>Permits</u>		
7-6-0065	Lower Boundary 04		GDA		730020	6161351		Valid	Modified Tree		
							•		(Carved or Scarred):		
									-		
	<u>Contact</u> Searle		Recorders					r.David RMB Crew	<u>Permits</u>		
17-6-0066	Lower Boundary 05		GDA	54	730050	6161356	Open site	Valid	Modified Tree		
									(Carved or Scarred) :		
	<u>Contact</u> Searle		Recorders	Mrl	oe Xie Mr Da	mien Charles N	Ar.Daniel Kelly M	r.David RMB Crew	- Permits		
7-2-0174	tin tin 13		GDA		727111	6196895	Open site	Valid	Earth Mound : -,		
									Hearth : -		
	<b>Contact</b>		<u>Recorders</u>	Doct	tor.Sarah Ma	rtin,Mr.Julian I	Pitts		<u>Permits</u>		
7-2-0152	tin tin 117		GDA	54	726952	6196955	Open site	Valid	Hearth : -		
	<u>Contact</u>		Recorders	Mr.F	RENE WOOD	S			<u>Permits</u>		

Report generated by AHIMS Web Service on 15/03/2014 for Clare Anderson for the following area at Datum :GDA, Zone : 54, Eastings : 700000 - 730000, Northings : 6140000 - 6197000 with a Buffer of 50 meters. Additional Info : to inform an archaeological assessment. Number of Aboriginal sites and Aboriginal objects found is 105



Your Ref Number : 2003 Balranald

Client Service ID: 128493

		•									
iteID	<u>SiteName</u>	<u>Datum</u>	Zone	Easting	Northing	Context	Site Status	SiteFeatur	<u>es</u>	SiteTypes	<u>Reports</u>
7-2-0136	tin tin 101	GDA	54	726791	6197023	Open site	Valid	Artefact : -	, Hearth : -		
	<b>Contact</b>	Recorders	Mr.I	RENE WOODS					<u>Permits</u>		
7-2-0137	tin tin 102	GDA	54	726637	6196971	Open site	Valid	Hearth : -			
	<u>Contact</u>	Recorders	Mr.I	RENE WOODS					<u>Permits</u>		
7-2-0138	tin tin 103	GDA	54	726603	6196961	Open site	Valid	Hearth : -			
	<b>Contact</b>	Recorders	Mr.I	RENE WOODS					<b>Permits</b>		
-2-0139	tin tin 104	GDA	54	726580	6196962	Open site	Valid	Hearth : -			
	<u>Contact</u>	<u>Recorders</u>	Mr.I	RENE WOODS					<u>Permits</u>		
-2-0140	tin tin 105	GDA	54	726576	6196970	Open site	Valid	Hearth : -			
	<u>Contact</u>	<u>Recorders</u>	Mr.I	RENE WOODS					<u>Permits</u>		
'-2-0141	tin tin 106	GDA	54	726578	6196961	Open site	Valid	Hearth : -			
	<u>Contact</u>	<u>Recorders</u>	Mr.I	RENE WOODS					<b>Permits</b>		
-2-0142	tin tin 107	GDA	54	726559	6196909	Open site	Valid	Hearth : -			
	<u>Contact</u>	<u>Recorders</u>	Mr.I	RENE WOODS					<b>Permits</b>		
-2-0147	tin tin 112	GDA	54	726796	6196964	Open site	Valid	Hearth : -			
	<b>Contact</b>	<u>Recorders</u>	Mr.I	RENE WOODS					<b>Permits</b>		
-2-0148	tin tin 113	GDA	54	726816	6196968	Open site	Valid	Hearth : -			
	<u>Contact</u>	<u>Recorders</u>	Mr.I	RENE WOODS					<u>Permits</u>		
-2-0149	tin tin 114	GDA	54	726906	6196912	Open site	Valid	Hearth : -			
	<u>Contact</u>	Recorders	Mr.I	RENE WOODS					<u>Permits</u>		
-2-0150	tin tin 115	GDA	54	726902	6196920	Open site	Valid	Hearth : -			
	<u>Contact</u>	Recorders		RENE WOODS					<u>Permits</u>		
-2-0151	tin tin 116	GDA	54	726921	6196965	Open site	Valid	Hearth : -			
	<b>Contact</b>	Recorders	Mr.I	RENE WOODS					<u>Permits</u>		
-2-0153	tin tin 118	GDA	54	726971	6196964	Open site	Valid	Hearth : -			
	<u>Contact</u>	Recorders	Mr.I	RENE WOODS					<u>Permits</u>		
-2-0154	tin tin 119	GDA	54	727078	6196903	Open site	Valid	Hearth : -			
	<u>Contact</u>	Recorders		RENE WOODS					<u>Permits</u>		
-2-0155	tin tin 120	GDA	54	727086	6196900	Open site	Valid	Hearth : -			
	<u>Contact</u>	Recorders		RENE WOODS					<u>Permits</u>		
-2-0156	tin tin 121	GDA	54	727058	6196894	Open site	Valid	Hearth : -			
	<u>Contact</u>	Recorders		RENE WOODS					<u>Permits</u>		
-2-0157	tin tin 122	GDA	54	728079	6196622	Open site	Valid	Hearth : -			
	<b>Contact</b>	<u>Recorders</u>	Mr.I	RENE WOODS					<b>Permits</b>		

Report generated by AHIMS Web Service on 15/03/2014 for Clare Anderson for the following area at Datum :GDA, Zone : 54, Eastings : 700000 - 730000, Northings : 6140000 - 6197000 with a Buffer of 50 meters. Additional Info : to inform an archaeological assessment. Number of Aboriginal sites and Aboriginal objects found is 105



Your Ref Number : 2003 Balranald

Client Service ID: 128493

<u>SiteID</u>	<u>SiteName</u>	<b>Datum</b>	<b>Zone</b>	<b>Easting</b>	<b>Northing</b>	<b>Context</b>	Site Status	<b>SiteFeatures</b>	<u>SiteTypes</u>	Reports
47-2-0158	tin tin 123	GDA	54	728378	6196425	Open site	Valid	Hearth : -		-
	Contact	Recorders	Mr.F	RENE WOODS				Pe	rmits	
47-2-0192	KARRA 1	GDA	54	722316	6191432	Open site	Valid	Artefact : 16		
	Contact Mr.Ray Murray	Recorders	Doc	tor.Tim Stone				<u>Pe</u>	rmits	
47-2-0204	West Balranald 84	GDA	54	723045	6190176	Open site	Valid	Artefact : 1		
	Contact	Recorders	Nich	e Environme	nt and Heritag	e,Ms.Clare Anderson		<u>Pe</u>	rmits	
47-2-0205	West Balranald 85	GDA	54	723023	6190238	Open site	Valid	Artefact : 1		
	Contact	Recorders	Nich	ie Environme	nt and Heritag	e,Ms.Clare Anderson		<u>Pe</u>	rmits	
47-2-0206	West Balranald 86	GDA	54	723099	6190266	Open site	Valid	Artefact : 1, He	arth:	
			<b>.</b>		. 177 %	M (1) A 1		1		
47-2-0207	Contact West Balranald 87	Recorders GDA		ie Environme 723121	nt and Heritag 6190328	e,Ms.Clare Anderson	Valid	Artefact : 1	<u>rmits</u>	
47-2-0207						Open site				
47-2-0208	Contact West Balranald 88	Recorders GDA		ie Environme 723145	nt and Heritag 6190365	e,Ms.Clare Anderson Open site	Valid	Hearth: 1	<u>rmits</u>	
47-2-0200										
47-2-0209	Contact West Balranald 89	Recorders GDA		723292	nt and Heritag 6190267	e,Ms.Clare Anderson Open site	Valid	Artefact : 1	<u>rmits</u>	
47-2-0209						-				
47-2-0210	Contact West Balranald 90	Recorders GDA		723402	nt and Heritag 6190061	e,Ms.Clare Anderson Open site	Valid	Artefact : 1	<u>rmits</u>	
17-2-0210						•				
47-2-0211	Contact West Balranald 91	Recorders GDA		723380	6189994	e,Ms.Clare Anderson Open site	Valid	Hearth: 1	<u>rmits</u>	
17 2 0211		Recorders				e,Ms.Clare Anderson			rmita	
47-2-0212	Contact West Balranald 92	GDA		723196		Open site	Valid	Artefact : 1	<u>rmits</u>	
., _ 0_1_	Contact	Recorders				e,Ms.Clare Anderson			rmits	
47-2-0213	West Balranald 93	GDA		723136	6189894	Open site	Valid	Artefact : 1	<u>Timits</u>	
2 0210	Contact	Recorders				e,Ms.Clare Anderson			<u>rmits</u>	
47-2-0214	West Balranald 94	GDA		723525		Open site	Valid	Artefact : 1	<u>i mits</u>	
	Contact	Recorders				e,Ms.Clare Anderson			rmits	
47-2-0215	West Balranald 95	GDA		723584	6189500	Open site	Valid	Artefact : 1	<u> </u>	
	Contact	Recorders				e,Ms.Clare Anderson			<u>rmits</u>	
47-2-0193	West Balranald 8	GDA		723103	6192312	Open site	Valid	Artefact : 1	<del> =</del>	
	Contact	Recorders				e,Mr.Giles Hamm			<u>rmits</u>	
17-2-0194	West Balranald 9	GDA		723181	6192220	Open site	Valid	Artefact : 1	<del></del>	
	Contact	Recorders				e,Mr.Giles Hamm			<u>rmits</u>	
	West Balranald 75	GDA		724974	6186482	Open site	Valid	Artefact : 1	<del></del>	
47-2-0195	West ballalialu / 5	UDA								

Report generated by AHIMS Web Service on 15/03/2014 for Clare Anderson for the following area at Datum :GDA, Zone : 54, Eastings : 700000 - 730000, Northings : 6140000 - 6197000 with a Buffer of 50 meters. Additional Info : to inform an archaeological assessment. Number of Aboriginal sites and Aboriginal objects found is 105



Your Ref Number: 2003 Balranald

Client Service ID: 128493

<u>SiteID</u>	SiteName	<b>Datum</b>	Zone	<b>Easting</b>	<b>Northing</b>	<u>Context</u>	Site Status	SiteFeature:	<u>s</u>	<u>SiteTypes</u>	<u>Reports</u>
47-2-0196	West Balranald 76	GDA	54	725090	6186430	Open site	Valid	Artefact : 1			
	Contact	Recorders	Nic	he Environme	ent and Heritag	ge,Ms.Clare Andersoi	n	]	Permits Permits		
47-2-0197	West Balranald 77	GDA	54	724992	6186367	Open site	Valid	Artefact : 1			
	Contact	Recorders	Nic	he Environme	ent and Heritag	ge,Ms.Clare Andersoi	n	]	Permits		
47-2-0198	West Balranald 78	GDA	54	724949	6186485	Open site	Valid	Artefact : 1			
	<u>Contact</u>	Recorders	Nic	he Environme	ent and Heritag	ge,Ms.Clare Andersoi	n	]	Permits Permits		
47-2-0199	West Balranald 79	GDA	54	724489	6186427	Open site	Valid	Artefact : 1			
	Contact	Recorders	Nic	he Environme	ent and Heritag	ge,Ms.Clare Andersoi	n	<u> </u>	Permits Permits		
47-2-0200	West Balranald 80	GDA	54	725044	6186462	Open site	Valid	Artefact : 1			
	Contact	Recorders	Nic	he Environme	ent and Heritag	ge,Ms.Clare Andersoi	n	1	Permits Permits		
47-2-0201	West Balranald 81	GDA		724936	6186523	Open site	Valid	Artefact : 1			
	Contact	Recorders	Nic	he Environme	ent and Heritag	ge,Ms.Clare Andersoi	n	j	Permits		
47-2-0202	West Balranald 82	GDA	54	722605	6190315	Open site	Valid	Hearth : 1			
	Contact	Recorders	Nic	he Environme	ent and Heritag	ge,Ms.Clare Andersoi	n	1	Permits Permits		
47-2-0203	West Balranald 83	GDA	54	722993	6190180	Open site	Valid	Artefact : 1			
	Contact	Recorders	Nic	he Environme	ent and Heritag	ge,Ms.Clare Andersoi	n	<u> </u>	Permits Permits		
47-2-0124	TIN TIN 307	GDA	54	727021	6196861	Open site	Valid	Hearth : -			
	Contact	Recorders	Mr	Roland Willia	ms,Mr.Claude	Jackson		1	Permits Permits		
47-2-0125	TIN TIN 308	GDA	54	727052	6196822	Open site	Valid	Hearth : -			
	Contact	Recorders	Mr	Roland Willia	ms,Mr.Claude	Jackson		J.	Permits		
47-2-0126	TIN TIN 309	GDA	54	727070	6196830	Open site	Valid	Artefact : -, H	learth : -		
	Contact	Recorders	Mr	Roland Willia	ms,Mr.Claude	Jackson		1	Permits Permits		
47-2-0127	TIN TIN 310	GDA	54	727105	6196861	Open site	Valid	Hearth : -			
	Contact	Recorders	Mr	Roland Willia	ms,Mr.Claude	Jackson		J.	Permits		
47-2-0128	TIN TIN 311	GDA	54	727105	6196867	Open site	Valid	Hearth : -			
	Contact	Recorders	Mr	Roland Willia	ms,Mr.Claude	Jackson		1	Permits Permits		
47-2-0129	TIN TIN 312	GDA	54	727103	6196880	Open site	Valid	Earth Mound	l : -		
	Contact	Recorders	Mr	Roland Willia	ms,Mr.Claude	Jackson		]	Permits		
47-2-0130	TIN TIN 314	GDA	54	727484	6196236	Open site	Valid	Artefact : -, H	learth : -		
	Contact	Recorders	Mr	Roland Willia	ms,Mr.Claude	Jackson		1	Permits Permits		
47-2-0131	TIN TIN 315	GDA	54	727492	6196254	Open site	Partially	Hearth : -			
							Destroyed				
.=	Contact	Recorders			ms,Mr.Claude		** 1. 1		<u>Permits</u>		
47-2-0132	TIN TIN 316	GDA		727479	6196309	Open site	Valid	Earth Mound			
	Contact	Recorders	Mr.	Roland Willia	ms,Mr.Claude	Jackson		J	<u>Permits</u>		

Report generated by AHIMS Web Service on 15/03/2014 for Clare Anderson for the following area at Datum :GDA, Zone : 54, Eastings : 700000 - 730000, Northings : 6140000 - 6197000 with a Buffer of 50 meters. Additional Info : to inform an archaeological assessment. Number of Aboriginal sites and Aboriginal objects found is 105



Your Ref Number: 2003 Balranald

Client Service ID: 128493

SiteID	SiteName	<u>Datum</u>	Zone	Easting	Northing	Context	Site Status	SiteFeature	es.	SiteTypes	Reports
7-2-0096	tin tin 201	GDA	54	726817	6197034	Open site	Valid	Hearth : -			-
	Contact	Recorders	Docto	or.Sarah Mar	tin,Ms.Karen I	Murray			Permits		
7-2-0097	tin tin 202	GDA		726831	6197035	Open site	Valid	Hearth : -			
	Contact	Recorders	Docto	or.Sarah Mar	tin,Ms.Karen l	Murray			<u>Permits</u>		
7-2-0098	tin tin 203	GDA	54	726812	6197042	Open site	Valid	Hearth : -			
	Contact	Recorders	Docto	or.Sarah Mar	tin,Ms.Karen I	Murray			<u>Permits</u>		
7-2-0101	tin tin 208	GDA	54	726895	6197049	Closed site	Valid	Hearth : -			
	Contact	Recorders	Docto	or.Sarah Mar	tin,Ms.Karen l	Murray			<u>Permits</u>		
7-2-0102	tin tin 209	GDA	54	726982	6197017	Open site	Valid	Hearth : -			
	Contact	Recorders	Docto	or.Sarah Mar	tin,Ms.Karen I	Murray			<u>Permits</u>		
7-2-0103	tin tin 210	GDA	54	727089	6196994	Open site	Valid	Hearth : -			
	Contact	Recorders	Docto	or.Sarah Mar	tin,Ms.Karen l	Murray			<u>Permits</u>		
7-2-0108	tin tin 214	GDA	54	727156	6196896	Open site	Valid	Hearth : -			
	Contact	Recorders	Docto	or.Sarah Mar	tin,Ms.Karen I	Murray			<u>Permits</u>		
7-2-0109	tin tin 215	GDA	54	727469	6196192	Open site	Valid	Hearth : -			
	Contact	Recorders	Docto	or.Sarah Mar	tin,Ms.Karen I	Murray			<u>Permits</u>		
7-2-0110	tin tin 216	GDA	54	727579	6196245	Open site	Valid	Hearth : -			
	Contact	Recorders	Docto	or.Sarah Mar	tin,Ms.Karen I	Murray			<u>Permits</u>		
7-2-0111	tin tin 217	GDA	54	727563	6196278	Open site	Valid	Hearth : -			
	Contact	Recorders	Docto	or.Sarah Mar	tin,Ms.Karen l	Murray			<b>Permits</b>		
7-2-0162	tin tin 1	GDA	54	726814	6197029	Open site	Valid	Hearth : -			
	Contact	Recorders	Docto	or.Sarah Mar	tin,Mr.Julian P	itts			<u>Permits</u>		
7-2-0170	tin tin 9	GDA	54	727100	6197006	Open site	Valid	Hearth : -			
	Contact	Recorders	Docto	or.Sarah Mar	tin,Mr.Julian F	itts			<b>Permits</b>		
7-2-0171	tin tin 10	GDA	54	727110	6197003	Open site	Valid	Hearth : -			
	Contact	Recorders	Docto	or.Sarah Mar	tin,Mr.Julian P	itts			<u>Permits</u>		
17-2-0175	tin tin 14	GDA	54	727121	6196910	Open site	Partially	Earth Moun	d : -		
			_				Destroyed		_		
7.2.0176	Contact	Recorders			tin,Mr.Julian P		Doubielly	Hearth : -	<u>Permits</u>		
7-2-0176	tin tin 15	GDA	54	727099	6196910	Open site	Partially Destroyed	Heartn:-			
	Contact	Recorders	Docto	or.Sarah Mar	tin,Mr.Julian P	itts	Destroyeu		<u>Permits</u>		
7-2-0177	tin tin 16	GDA			6196122		Partially	Hearth : -			
							Destroyed				
	Contact	Recorders			tin,Mr.Julian P				<u>Permits</u>		
7-2-0178	tin tin 17	GDA	54	728048	6196312	Open site	Valid	Hearth : -			

Report generated by AHIMS Web Service on 15/03/2014 for Clare Anderson for the following area at Datum :GDA, Zone : 54, Eastings : 700000 - 730000, Northings : 6140000 - 6197000 with a Buffer of 50 meters. Additional Info : to inform an archaeological assessment. Number of Aboriginal sites and Aboriginal objects found is 105



Your Ref Number: 2003 Balranald

Client Service ID: 128493

OOVERIANEITI		•									
<u>SiteID</u>	SiteName	<u>Datum</u>	Zo	ne Easting	Northing	Context	Site Status	SiteFeatures	S.	<u>SiteTypes</u>	Reports
	Contact	Recorders	rs I	Doctor.Sarah Ma	ırtin,Mr.Julian	Pitts		I	<u>Permits</u>		
47-2-0185	tin tin 24	GDA	!	54 729123	6196928	Open site	Valid	Earth Mound	l:-		
	<u>Contact</u>	Recorders	<u>rs</u> I	Doctor.Sarah Ma	ırtin,Ms.Karen	Murray		<u>I</u>	<u>Permits</u>		
47-2-0186	tin tin 25	GDA	!	54 729110	6196936	Open site	Valid	Hearth : -			
	Contact	Recorders	<u>rs</u> I	Doctor.Sarah Ma	rtin,Ms.Karen	Murray		I	Permits		
17-2-0187	tin tin 26	GDA		54 729210	6196987	Open site	Valid	Hearth:-			
	<u>Contact</u>	Recorders	rs I	Doctor.Sarah Ma	ırtin,Ms.Karen	Murray		<u>I</u>	Permits Permits		
47-2-0188	tin tin 27	GDA	!	54 729221	6196999	Open site	Valid	Grinding Gro Hearth : -	ove : -,		
	Contact	Recorders	rs I	Doctor.Sarah Ma	ırtin.Ms.Karen	Murray			Permits		
47-2-0189	tin tin 28	GDA		54 729218		•	Valid	Hearth : -			
	Contact	Recorders		Doctor.Sarah Ma		•		ı	Permits		
47-2-0190	tin tin 29	GDA		54 729265			Valid	Hearth : -			
	Contact	Recorders	rs I	Doctor.Sarah Ma	ırtin.Ms.Karen	Murrav		I	Permits		
7-2-0118	TIN TIN 301	GDA	_	54 726638	6196797	•	Valid	Hearth : -			
	Contact	Recorders	rs N	Mr.Roland Willia	ams,Mr.Claude	Jackson		I	Permits		
7-2-0119	TIN TIN 300	GDA	!	54 726644	6196789	Open site	Valid	Hearth : -			
	<u>Contact</u>	Recorders	<u>rs</u> 1	Mr.Roland Willia	ams,Mr.Claude	Jackson		<u> </u>	Permits		
7-2-0120	TIN TIN 303	GDA	!	54 726705	6196814	Open site	Valid	Hearth : -			
	<u>Contact</u>	Recorders	rs 1	Mr.Roland Willia	ams,Mr.Claude	Jackson		<u>I</u>	Permits Permits		
7-2-0121	TIN TIN 304	GDA	!	54 726797	6196855	Open site	Valid	Hearth : -			
	<u>Contact</u>	Recorders	<u>rs</u> 1	Mr.Roland Willia	ams,Mr.Claude	Jackson		<u> </u>	Permits		
17-2-0122	TIN TIN 305	GDA		54 726862	6196865	Open site	Valid	Hearth : -			
	<u>Contact</u>	Recorders	rs 1	Mr.Roland Willia	ams,Mr.Claude	Jackson		<u>I</u>	Permits Permits		
17-2-0123	tin tin 306	GDA	!	54 726949	6196832	Open site	Valid	Hearth : -			
	<u>Contact</u>	Recorders	<u>rs</u> 1	Mr.Roland Willia	ams,Mr.Claude	Jackson		<u> </u>	Permits		
47-2-0216	West Balranald 99	GDA		54 723437	6189905	Open site	Valid	Artefact : 1			
	<u>Contact</u>	Recorders	rs 1	Ms.Clare Anders	on,Iluka Reso	ırces Limited		<u>I</u>	Permits Permits		
17-2-0218	West Balranald 96	GDA	!	54 723513	6189624	Open site	Valid	Artefact : 1			
	Contact	Recorders	rs N	Ms.Clare Anders	on,Iluka Reso	ırces Limited		Į	Permits		
47-2-0219	West balranald 97	GDA		54 723614	6189714	Open site	Valid	Artefact : 1			
	<u>Contact</u>	Recorders	rs 1	Ms.Clare Anders	on,Iluka Reso	ırces Limited		<u> </u>	Permits		



Your Ref Number : 1557 Balranald

Client Service ID: 102938

	Extensive search - Site list									
SiteID 17-2-0026	SiteName PN-110	<b>Datum</b> AGD	Zone	<b>Easting</b> 685346	<b>Northing</b> 6215045		<u>Site Status</u> Valid	SiteFeatures Artefact: -, Hearth: -,	<u>SiteTypes</u>	Reports
7-2-0020					0213043	Open site	vanu	Shell : -		
	Contact	Recorders						<u>Permits</u>		
7-2-0029	PS-001	AGD	54	686816	6209863	Open site	Valid	Artefact : -		
	Contact	Recorders	NPV	VS - AHD We	stern Zone			<u>Permits</u>		
7-2-0030	PS-002	AGD	54	686626	6209861	Open site	Valid	Artefact : -		
	Contact	Recorders	NPV	/S - AHD We:	stern Zone			<u>Permits</u>		
7-2-0031	PS-003	AGD	54	687055	6209956	Open site	Valid	Artefact : -, Potential		
								Archaeological		
								Deposit (PAD) : -,		
		D	MDM	IC ALID IAI	. 7			Shell:-		
7 2 0022	Contact PC 004	Recorders		VS - AHD Wes		O	17-1: 3	<u>Permits</u>		
7-2-0032	PS-004	AGD		686477	6209706	Open site	Valid	Artefact : -		
	Contact	Recorders		VS - AHD We			** 1. 1	Permits		
7-2-0033	PS-005	AGD	54	685545	6206782	Open site	Valid	Artefact : -, Potential		
								Archaeological Deposit (PAD) : -,		
								Shell:		
	Contact	Recorders	NPV	/S - AHD We:	stern Zone			Permits		
7-2-0034	PS-006	AGD		685579	6211733	Open site	Valid	Artefact : -		
	Contact	Recorders	NPV	/S - AHD We:	stern Zone			<u>Permits</u>		
7-2-0035	PS-007	AGD	_	685706	6211817	Open site	Valid	Artefact : -		
	Contact	Recorders	NPV	/S - AHD We:	stern Zone			Permits Permits		
7-2-0036	PS-008	AGD		685353	6212049	Open site	Valid	Artefact : -, Hearth : -		
	Contact	Recorders		VS - AHD We:		•		Permits Permits		
7-2-0037	PS-009	AGD		685299	6211859	Open site	Valid	Artefact : -, Shell : -,		
						1		Potential		
								Archaeological		
								Deposit (PAD) : -		
	<u>Contact</u>	Recorders	NPV	VS - AHD We	stern Zone			<u>Permits</u>		
7-2-0041	PS-013	AGD	54	685106	6211974	Open site	Valid	Artefact : -		
	Contact	Recorders	NPV	S - AHD We	stern Zone			<u>Permits</u>		
7-2-0042	PS-014	AGD	54	685061	6211795	Open site	Valid	Artefact : -		
	Contact	Recorders	NPV	/S - AHD We	stern Zone			<u>Permits</u>		
7-2-0043	PS-015	AGD	54	685240	6205626	Open site	Valid	Artefact : -		
	Contact	Recorders	s NPV	/S - AHD Wes	stern Zone			<u>Permits</u>		
	PS-016	AGD		686454	6207072	Open site	Valid	Artefact : -		

Report generated by AHIMS Web Service on 06/06/2013 for Clare Anderson for the following area at Datum :GDA, Zone : 54, Eastings : 685000 - 700000, Northings : 6163000 - 6219000 with a Buffer of 0 meters. Additional Info : inform due diligence and arch ass. Number of Aboriginal sites and Aboriginal objects found is 72



Your Ref Number: 1557 Balranald

Client Service ID: 102938

SiteID	<u>SiteName</u>	Datum	Zone	Easting	Northing	Context	Site Status	<u>SiteFeatures</u>	SiteTypes	Reports
	Contact	Recorders		S - AHD Wes				Permits	·	
7-2-0046	PS-018	AGD	54	685736	6207717	Open site	Valid	Artefact : -		
	Contact	Recorders	NPW	S - AHD Wes	tern Zone	_		<u>Permits</u>		
17-2-0047	PS-019	AGD		686393	6211031	Open site	Valid	Artefact : -, Burial : -,		
						•		Potential		
								Archaeological		
								Deposit (PAD) : -,		
								Shell:-		
	<u>Contact</u>	Recorders		S - AHD Wes				<u>Permits</u>		
7-2-0001	AS-003	AGD	54	691679	6212167	Open site	Valid	Artefact : -, Hearth : -		
	Contact	Recorders	NPW	S - AHD Wes	tern Zone			<u>Permits</u>		
7-2-0002	B-001	AGD	54	691000	6201600	Open site	Valid	Artefact : -, Hearth : -		
	Contact	Recorders	P Cla	rke				<u>Permits</u>		
7-2-0003	B-002	AGD	54	690900	6201550	Open site	Valid	Artefact : -, Hearth : -		
	Contact	Recorders	P Cla	rke				<u>Permits</u>		
7-2-0004	B-003	AGD	54	690800	6201650	Open site	Valid	Artefact : -, Hearth : -		
	Contact	Recorders	P Cla	rke				<u>Permits</u>		
7-2-0005	B-004	AGD		690550	6201700	Open site	Valid	Hearth : -		
	Contact	Recorders	P Cla	rke		-		<u>Permits</u>		
7-2-0006	B-005	AGD		690350	6201900	Open site	Valid	Hearth : -		
	Contact	Recorders				•		<u>Permits</u>		
7-2-0007	B-006	AGD		690250	6201450	Open site	Valid	Hearth:		
		Recorders				- F				
7-2-0008	Contact B-007	AGD		691900	6202100	Open site	Valid	Permits Hearth:		
7-2-0000					0202100	open site	vanu			
7.2.0000	Contact B-008	Recorders			6202500	On an aita	Valid	Permits Artefact : -, Hearth : -,		
7-2-0009	D-008	AGD	54	692200	6202500	Open site	Valid	Shell:-		
	Contact	Recorders	P Cla	rke				Permits		
7-2-0010	B-009	AGD		694030	6204708	Open site	Valid	Artefact : -, Hearth : -		
	Contact	Recorders						Permits		
7-2-0011	B-010	AGD	,	694200	6204300	Open site	Valid	Artefact : -, Hearth : -		
, 2 0011					0201000	open site	vana			
7-2-0012	Contact B-011	Recorders AGD			6204400	Onen site	Valid	Permits Hearth:-		
7-2-0012				694600	0204400	Open site	valiu			
7.0.0050	Contact	Recorders			(244252	0 1:	77.11.3	<u>Permits</u>		
7-2-0053	PS-043	AGD	54	686029	6211252	Open site	Valid	Artefact : -		
	Contact	Recorders	NPW	S - AHD Wes	tern Zone			<u>Permits</u>		

Report generated by AHIMS Web Service on 06/06/2013 for Clare Anderson for the following area at Datum :GDA, Zone : 54, Eastings : 685000 - 700000, Northings : 6163000 - 6219000 with a Buffer of 0 meters. Additional Info : inform due diligence and arch ass. Number of Aboriginal sites and Aboriginal objects found is 72



Your Ref Number: 1557 Balranald

Client Service ID: 102938

<u>SiteID</u>	SiteName	<u>Datum</u>	<b>Zone</b>	<b>Easting</b>	<b>Northing</b>	<u>Context</u>	Site Status	<u>SiteFeatures</u>	<u>SiteTypes</u>	<u>Reports</u>
47-2-0054	PS-044	AGD	54	685606	6211389	Open site	Valid	Artefact : -		
	Contact	Recorders	s NPW	S - AHD Wes	stern Zone			<u>Permits</u>		
47-2-0055	PS-045	AGD	54	685640	6212034	Open site	Valid	Artefact : -, Potential		
								Archaeological		
								Deposit (PAD) : -,		
	Contact	Recorders	e NDM	/S - AHD Wes	storn Zono			Shell : - <b>Permits</b>		
47-2-0056	PS-046	AGD	_	685050	6212050	Open site	Valid	Artefact : -		
1, 2 0000	Contact	Recorders		S - AHD Wes		open site	· unu	Permits		
47-2-0057	PS-047	AGD	_	685502	6212092	Open site	Valid	Artefact : -		
47-2-0037						open site	vanu			
47-2-0059	Contact PS-0049	Recorders AGD		/S - AHD Wes 685950	6211038	Open site	Valid	<u>Permits</u> Artefact : -, Hearth : -,		
47-2-0039	r3-00 <del>4</del> 7	AGD	34	003730	0211030	Open site	valiu	Potential		
								Archaeological		
								Deposit (PAD) : -,		
								Shell : -		
	Contact	Recorders		S - AHD Wes				<u>Permits</u>		
47-2-0060	PS-050	AGD	54	685802	6211259	Open site	Valid	Artefact : -		
	Contact	Recorders		S - AHD Wes				<u>Permits</u>		
47-2-0061	PS-051	AGD	54	685762	6211141	Open site	Valid	Artefact : -, Hearth : -,		
								Potential Archaeological		
								Deposit (PAD) : -,		
								Shell:-		
	Contact	Recorders	s NPW	S - AHD Wes	stern Zone			<u>Permits</u>		
47-2-0062	PS-052	AGD	54	685979	6210971	Open site	Valid	Artefact : -		
	Contact	Recorders	s NPW	S - AHD Wes	stern Zone			<u>Permits</u>		
47-2-0063	PS-053	AGD	54	685888	6210873	Open site	Valid	Artefact : -, Hearth : -		
	Contact	Recorders	s NPW	S - AHD Wes	stern Zone			<u>Permits</u>		
47-2-0064	PS-054	AGD	54	686032	6210707	Open site	Valid	Artefact : -		
	Contact	Recorders	s NPW	S - AHD Wes	stern Zone			<u>Permits</u>		
47-2-0065	PS-055	AGD	54	686209	6210787	Open site	Valid	Artefact : -, Potential		
								Archaeological		
								Deposit (PAD) : -,		
	Contact	Doggard	a NIDIA	C AUD M.	stown 7omo			Shell:-		
47-2-0066	Contact PS-056	Recorders AGD	_	'S - AHD Wes 686219	6210932	Open site	Valid	Permits Artefact : -		
47-2-0000						open site	vanu			
	<u>Contact</u>	Recorders	s NPW	S - AHD Wes	stern Zone			<u>Permits</u>		

Report generated by AHIMS Web Service on 06/06/2013 for Clare Anderson for the following area at Datum :GDA, Zone : 54, Eastings : 685000 - 700000, Northings : 6163000 - 6219000 with a Buffer of 0 meters. Additional Info : inform due diligence and arch ass. Number of Aboriginal sites and Aboriginal objects found is 72



Your Ref Number : 1557 Balranald

Client Service ID: 102938

GOVERNMENT		Entendive search									
<u>iteID</u>	<u>SiteName</u>		<u>Datum</u>	Zone	Easting	Northing	Context	Site Status	SiteFeatures	SiteTypes	Reports
7-2-0067	PS-057		AGD	54	686239	6210634	Open site	Valid	Artefact : -, Hearth : -		
	<u>Contact</u>		Recorders	NPW	/S - AHD We	stern Zone			<u>Permits</u>		
7-2-0068	PS-058		AGD	54	686276	6210728	Open site	Valid	Artefact : -		
	<b>Contact</b>		Recorders	NPW	/S - AHD We	stern Zone			<u>Permits</u>		
7-2-0069	PS-059		AGD	54	686431	6210670	Open site	Valid	Artefact : -		
	<u>Contact</u>		Recorders	NPW	/S - AHD We	stern Zone			<u>Permits</u>		
-2-0070	PS-060		AGD	54	686446	6210525	Open site	Valid	Artefact : -		
	<b>Contact</b>		Recorders	NPW	/S - AHD We	stern Zone			<u>Permits</u>		
-2-0071	PS-061		AGD	54	686380	6210615	Open site	Valid	Artefact : -, Shell : -,		
									Potential		
									Archaeological		
	Contact		Dogondona	MDM	/S - AHD We	otorn Zono			Deposit (PAD) : -		
-2-0072	Contact PS-062		Recorders AGD		686570	6210048	Open site	Valid	<u>Permits</u> Artefact : -, Hearth : -		
-2-0072							Open site	vanu			
-2-0073	Contact PS-063		<u>Recorders</u> AGD		VS - AHD We 686449	6209895	Open site	Valid	Permits  Artefact : -		
-2-0073							Open site	vanu			
-2-0074	Contact PS-064		Recorders AGD		/S - AHD We 686342	6210072	Open site	Valid	Permits Artefact : -, Shell : -,		
-2-00/4	13-004		AdD	34	000342	0210072	Open site	vanu	Hearth : -, Potential		
									Archaeological		
									Deposit (PAD) : -		
	<u>Contact</u>		Recorders		/S - AHD We				<u>Permits</u>		
-2-0075	PS-065		AGD	54	686408	6210128	Open site	Valid	Artefact : -, Hearth : -		
	<u>Contact</u>		<u>Recorders</u>	NPW	/S - AHD We	stern Zone			<u>Permits</u>		
-2-0076	PS-066		AGD	54	686370	6210242	Open site	Valid	Artefact : -, Hearth : -		
	<b>Contact</b>		<u>Recorders</u>	NPW	/S - AHD We	stern Zone			<u>Permits</u>		
7-2-0078	PS-068		AGD	54	686372	6210326	Open site	Valid	Artefact : -, Hearth : -,		
									Shell : -, Potential		
									Archaeological		
	<u>Contact</u>		Recorders	NPW	/S - AHD We	stern 7one			Deposit (PAD) : - <u>Permits</u>		
-2-0079	PS-069		AGD		686632	6210817	Open site	Valid	Artefact : -, Hearth : -		
	Contact		Recorders		VS - AHD We		. 1		Permits		
-2-0080	PS-070		AGD		686666	6211158	Open site	Valid	Artefact : -, Hearth : -		
2 0000					/S - AHD We		o pen site	vanu			
	<u>Contact</u>		<u>Recorders</u>	NPW	vs - AHD We	stern Zone			<u>Permits</u>		

Report generated by AHIMS Web Service on 06/06/2013 for Clare Anderson for the following area at Datum :GDA, Zone : 54, Eastings : 685000 - 700000, Northings : 6163000 - 6219000 with a Buffer of 0 meters. Additional Info : inform due diligence and arch ass. Number of Aboriginal sites and Aboriginal objects found is 72



Your Ref Number: 1557 Balranald

Client Service ID: 102938

<u>SiteID</u>	<u>SiteName</u>	<u>Datum</u>	Zone E	asting	<b>Northing</b>	<u>Context</u>	Site Status	<b>SiteFeatures</b>	<u>SiteTypes</u>	<u>Reports</u>
7-2-0081	PS-071	AGD	54 68	6864	6210973	Open site	Valid	Artefact:-, Hearth Potential Archaeological Deposit (PAD):-, Shell:-	5	
	<u>Contact</u>	<u>Recorders</u>	NPWS - A	AHD Wes	tern Zone			<u>Permi</u>	<u>s</u>	
7-2-0082	PS-072	AGD	54 68	6975	6210503	Open site	Valid	Artefact : -, Hearth	-	
	<u>Contact</u>	Recorders	NPWS - A	AHD Wes	tern Zone			<u>Permi</u>	<u>s</u>	
7-2-0013	B-012	AGD	54 69	4700	6204300	Open site	Valid	Hearth : -		
	<u>Contact</u>	Recorders	P Clarke					<u>Permi</u>	<u>s</u>	
7-2-0014	B-013	AGD	54 69	4300	6204000	Open site	Valid	Hearth : -		
	<u>Contact</u>	Recorders	P Clarke					<u>Permi</u>	<u>s</u>	
7-2-0015	B-014	AGD	54 69	4400	6203800	Open site	Valid	Hearth : -		
	<u>Contact</u>	Recorders	P Clarke					<u>Permi</u>	<u>s</u>	
7-2-0016	B-015	AGD	54 69	4500	6203700	Open site	Valid	Hearth : -		
	<u>Contact</u>	Recorders	P Clarke					<u>Permi</u>	<u>s</u>	
7-2-0017	B-016	AGD	54 69	5100	6202300	Open site	Valid	Artefact : -, Hearth	-	
	<u>Contact</u>	Recorders	P Clarke					<u>Permi</u>	<u>s</u>	
7-2-0019	B-018	AGD	54 69		6202000	Open site	Valid	Hearth : -		
	<u>Contact</u>	Recorders	P Clarke					Permi	<u>'S</u>	
7-2-0020	B-019	AGD	54 69	4300	6202100	Open site	Valid	Hearth : -		
	Contact	Recorders	P Clarke					Permi	S	
7-2-0021	B-020	AGD	54 69		6202300	Open site	Valid	Hearth : -		
	<u>Contact</u>	Recorders	P Clarke					<u>Permi</u>	:s	
7-2-0022	B-021	AGD	54 69		6201400	Open site	Valid	Hearth : -		
	<u>Contact</u>	Recorders	P Clarke					<u>Permi</u>	s	
7-2-0023	B-022	AGD	54 69		6201301	Open site	Valid	Hearth : -		
	<u>Contact</u>	Recorders	P Clarke					<u>Permi</u>	:s	
7-2-0024	B-023	AGD	54 69		6202300	Open site	Valid	Hearth : -		
	<u>Contact</u>	Recorders	P Clarke			-		Permi	s	
7-2-0089	PS-108	AGD	54 68		6201047	Open site	Valid	Artefact : -, Hearth	_	
	Contact	Recorders	P Clarke					Permi		
7-2-0090	PS-109	AGD	54 68		6201058	Open site	Valid	Artefact : -, Hearth		
	Contact	Recorders	P Clarke					Permi		
7-2-0045		AGD	54 68		6207143	Open site	Valid	Artefact : -	<u>.v</u>	

Report generated by AHIMS Web Service on 06/06/2013 for Clare Anderson for the following area at Datum :GDA, Zone : 54, Eastings : 685000 - 700000, Northings : 6163000 - 6219000 with a Buffer of 0 meters. Additional Info : inform due diligence and arch ass. Number of Aboriginal sites and Aboriginal objects found is 72



#### AHIMS Web Services (AWS)

Client Service ID: 102938

Your Ref Number: 1557 Balranald

**Extensive search - Site list report** 

<u>SiteID</u>	SiteName	<u>Datum</u>	Zone	Easting	Northing	Context	Site Status	<u>SiteFeatures</u>	<u>SiteTypes</u>	Reports
	Contact	Recorders	NPW	S - AHD West	ern Zone			<u>Permits</u>		
47-2-0077	PS-067	AGD	54	686290	6210339	Open site	Valid	Artefact : -		
	Contact	Recorders	NPW	S - AHD West	ern Zone			<u>Permits</u>		
47-2-0018	B-017	AGD	54	694000	6202000	Open site	Valid	Hearth:-		
	Contact	Recorders	P Cla	rke				<u>Permits</u>		

# **Appendix 4 – Project and Survey Methodology**

# Balranald Mineral Sands Project EL 7450

# Aboriginal Cultural Heritage Assessment Questionnaire

Sigr	nature Date
Pho	one Mobile
	ourb z State Postcode
Pos	tal Address
Give	en Names Email
Title	e (Prof, Dr, Mr, Mrs, Ms, etc.) Surname
Coı	ntact Details
6.	Any additional information
5.	Do you have any specific advice or information about how the Balranald Mineral Sands Project EL 7450 should be assessed from an Aboriginal cultural heritage point of view?
	Confidential Not Confidential
	If yes, is this knowledge of a confidential nature or can it be made public in an Environmental Assessment document?
4.	Do you have any traditional, historic or contemporary cultural knowledge that may provide information about the Aboriginal cultural significance of the Balranald Mineral Sands Project EL 7450?  Yes No Go to question 5)
3.	Do you regard any part of the Balranald Mineral Sands Project EL 7450 as having aboriginal cultural landscape values?
2.	Are you aware of any Aboriginal sites or areas of Aboriginal cultural significance near (within 5 km) or within the Balranald Mineral Sands Project EL 7450?
1.	Land Council, Muthi Muthi , Bakindji, Barindji etc.)
1.	Your name or Organisation / Cultural Grouping you identify with and are representing (i.e. Balranald Local Aboriginal

# FIELD OFFICERS SURVEY AGREEMENT

Iluka Resources Limited

[ ]

9 July 2012

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#### **Parties**

Iluka Resources Limited

Registered Aboriginal Stakeholder Organisation

Niche Environment & Heritage Pty Ltd

Nominated Field Officer

# **Background**

- Iluka is developing the Balranald project (the Project).
- As part of the development of the Project, Iluka is required to prepare and submit a Cultural Heritage Assessment Report (the Report).
- Iluka has engaged Niche Environment & Heritage Pty Ltd to prepare the Report on its behalf (Niche).
- Iluka requires (Field Officers) to provide the Survey Services set out in this Agreement to assist Iluka and Niche in the preparation of the Report.
- Registered Aboriginal Stakeholder Organisations are required to be a Registered Iluka Vendor and responsible for preparation of invoices and payments on behalf of nominated Field Officers.

## 1. Services

## 1.1 Personnel

The Field Officer will provide the Survey Services under the direction Niche who is authorised to undertake all matters under this Agreement.

## 1.2 Survey Services at the Project Area

- (a) The Field Officers will, in accordance to Niche's directions, identify 'aboriginal objects', as the term is defined in Section 5 of the *National Parks and Wildlife Act*1 1974 (NSW) (Aboriginal Object).
- (b) If the Field Officer identifies an Aboriginal Object, the Field Officer must immediately inform the Niche and follow any directions given by the Niche to that Aboriginal Object.
- (c) If the Field Officer has cultural knowledge of the area this information is to be conveyed to the Niche during the course of the survey.

# 1.3 Review of the Report

- (a) Niche will prepare and provide the Registered Stakeholder Organisations a draft copy of the Report within 30 days from the completion of the Survey Services at the Project Area.
- (b) The Registered Stakeholder Organisations are to provide this to Field Officers for review and advise the Niche in writing of any comments with respect to the Report within 30 days of receipt.

## 2. Term

#### 2.1 Commencement and Duration

Field Officers will provide the Survey Services at the Project Area:

(a) From 23<sup>rd</sup> July or such other date as determined by the Niche during a period of 12 weeks. Field officers days of survey work will be determined by a roster as determined by the Niche.

## 2.2 Extending the duration of Survey Services

- (a) Where the performance of the Survey Services is delayed by reason of unforseen delays, including inclement weather, the Niche may by written notice to the Field Officer extend the duration of Survey Services for such period as is reasonably necessary for the completion of the Survey Services.
- (b) If the duration of the Survey Services is extended by Clause 2.2(a), the Field Officer must continue to provide the Survey Services for the extended duration.

## 2.3 Variation

Iluka may, at its sole discretion, by written notice to the Field Officer's vary the scope of the Survey Services, including extending the Agreement to other parts of the Project, including but not limited to the surveying of land over which electricity infrastructure will be built and the location of water bore holes to be drilled.

## 2.4 Completion

Except where this Agreement is extended by clause 2.3, the Agreement will, unless terminated earlier, terminate upon the nominated Field Officer returning the report to the Niche in accordance with clause 1.3(b).

# 3. Payment

# 3.1 Survey Services

Iluka will pay the Registered Aboriginal Stakeholder Organisation on behalf of the field officers:

- (a) The daily rate set out in Schedule 1 for each hour that the Field Officer provides the Survey Services at the Project Area;
- (b) Travel, accommodation and meal allowances will be paid directly by Niche.

# 3.2 Timesheets & Payments

Prior to receiving any payment the nominated Field Officer must:

(a) On the timesheets provided by Niche, record the times that they have spent performing the Survey Services and any travel, accommodation and meal allowances they wish to claim. The time sheets must be submitted to the Niche for approval at the end of each day; and

Prior to receiving any payment the Registered Aboriginal Stakeholder Organisation must:

- (b) Submit a tax invoice for the Field Officer services, with signed timesheet authorised by Niche by email to Iluka's nominated person for authorisation.
- (c) Iluka request that invoices be submitted on Mondays, for works completed the previous week. Where an invoice is not submitted on a Monday the submission date will be adjusted to the following Monday. Invoices will be paid the first Friday after submission date.

#### 4. General Matters

# 4.1 Site Induction

Prior to commencing the performance of the Survey Services and accessing the Project Area, the Field Officer must attend a site induction provided by the Nice.

#### 4.2 Operational Health and Safety

The Field Officer must comply with all operational health and safety policies and procedures relevant to the Project Area, including those directed by the Nice.

## 4.3 Protective Clothing, Water and Food

While in the Project Area Field Officers must provide their own protective clothing, including:

- (i) enclosed boots:
- (ii) PPE safety vest;
- (iii) long sleeve shirts;
- (iv) sunglasses and
- (v) hats and sunscreen;

# 4.4 Relationship

The parties' relationship is one of principal and independent contractor, not employer and employee, principal and agent or partnership. No contractual or employment relationship will arise between the Field Officer and Niche or Iluka as a result of this Agreement.

## 4.5 Obligation to Follow Directions

- (a) Niche is authorised by Iluka to give directions and orders on its behalf in relation to this Agreement. The Field Officer must, at all times, comply with any direction or order given by the Niche.
- (b) Niche may at any time direct the Field Officer to leave the Project Area where the Field Assistant has failed to comply with clause 4.5(a) or is, in the Niche reasonable opinion, incompetent, negligent, under the influence of drugs or alcohol or guilty of misconduct.
- (c) Iluka may at any time terminate this Agreement where the Niche has issued a direction under clause 4.5(b).

# 4.6 Intellectual Property Rights and Confidentiality

- (a) The Field Officer's agrees to assign to Iluka all intellectual property rights, including all copyright which may arise in respect of, or as a result of, the performance of its obligations under this Agreement.
- (b) Each party shall keep confidential all information provided to it by the other party, except where the information is:
  - 1) required for the Report;
  - 2) required to be disclosed by law; or
  - 3) disclosed to a party's professional advisor for the purposes of the Project.

# **SCHEDULE 1**

# **FEES PAYABLE**

Iluka Resources will pay the Field Officer's Registered Aboriginal Stakeholder Organisation the rate of \$600 per full day or \$300 for each half day that the Field Officer is engaged for the performance of the Survey Services at the project Areas, as shown in the timesheets submitted and approved by the Niche.

All amounts in the Schedule are exclusive of GST.

# **EXECUTED** as an Agreement

1

/2012

# Iluka Resources Limited ACN 008 675 018 Full Name of Authorised Officer Signature of Authorised Officer Full Name of Witness Signature of Witness /2012 (Registered Aboriginal Stakeholder Organisation) ABN ------Full Name of Authorised Officer Signature of Authorised Officer Full Name of Witness Signature of Witness / /2012 **Nominated Field Officer** Signature of Authorised Officer Full Name of Authorised Officer Signature of Witness Full Name of Witness 1 /2012 Niche Environment, Heritage Pty Ltd ACN ------Full Name of Authorised Officer Signature of Authorised Officer Full Name of Witness Signature of Witness



Iluka Resources Limited

Balranald Mineral Sands Project EL 7450

Registered Aboriginal Stakeholder
Consultation Meeting No 1 Presentation

2.00pm 14<sup>th</sup> June 2012 Balranald



**Project Scope** 

## **Overview of Presentation**



- Introduction & Welcome : Andrew Minns & Anna Bryant Iluka Resources Limited
- · Project Scope: Andrew Minns Iluka Resources Limited.
- Assessment Process . Giles Hamm, Niche Environment & Heritage Pty
   Itd.
- Aboriginal Stakeholder Consultation Process: Giles Hamm.
- · Landscape features of the study area: Giles Hamm
- Cultural background and archaeological aspects of the study area:
   Giles Hamm
- Archaeological survey design and Registered Aboriginal stakeholder involvement.
- Expression of interest and engagement of survey team ( written feedback to notification, merit assessment). Proof of insurances and assessment skills.

Aboriginal Stakeholder Consultation Meeting No 1 : 14/06/2012

# **Project Approval requirements**



#### **NSW**

- Development Consent being sought under NSW Environmental Planning and Assessment Act 1979.
- Project has been declared State Significant Development.
- Environmental Impact Statement currently being prepared.
- Project is exempt from Aboriginal Heritage Impact Permits.

#### **Federal**

- May require approval under Environment Protection, Biodiversity and Conservation Act 1999.
- Referral to Department of Sustainability, Environment, Water, Population and Communities (SEWPAC) to determine approval requirements.

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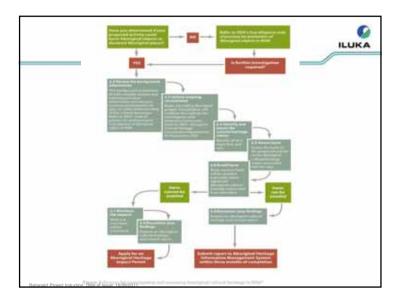
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## **Assessment Process**



- NSW Office Environment & Heritage (OEH) issued Aboriginal consultation guidelines in 2010 as a process to advise developers, consultants and Aboriginal communities about how Aboriginal sites and objects should be dealt with under Part 6 of the NPW Act 1974 or under State Significant Development under Section 89C(2) of the E P & A Act 1979 through the NSW Department of Planning and Infrastructure(DoPl).
- Iluka Resources Limited will be using these OEH consultation guidelines and other OEH Codes of Practices as a basis for the Aboriginal cultural heritage assessment of its Balranald Mineral Sands Project.

Aboriginal cultural heritage consultation requirements for proponents 2010



# Registered Aboriginal Stakeholder Consultation Process

# Proponent is Iluka Resources Limited (can also be a Company acting for a developer)

- Initiates the proposal;
- Seeks the views of the registered Aboriginal stakeholders about methodologies;
- In consultation with registered Aboriginal stakeholders, gathers cultural and archaeological information;
- Uses this information to assess the scientific and cultural significance of EL 7450.
- · Undertakes assessment of potential impact;
- Gathers the views of the registered Aboriginal stakeholders about the project, potential impacts and the mitigation measures; and
- Provides the results to DoPI and OEH in a report to accompany applications for development approval.

Palranald Project Industrian Data of January 16/00/2011

# Registered Aboriginal Stakeholder Role



- Members of the Aboriginal community are the primary determinants of the significance of their heritage;
- They may participate in the process through comment on the assessment methodology, assisting with field assessments, contributing cultural knowledge and commenting on cultural significance of potential impacts and/or mitigation measures;
- This consultation opportunity is provided through the assessment process conducted by the proponent (i.e. Iluka Resources Limited ).

# Service Providers (includes both Aboriginal & non-**Aboriginal consultants)**

- Various parties with specialist skills or knowledge who can be engaged by proponents to help them fulfil their responsibilities.
- · Services provided can include Aboriginal assessment and advisory services and archaeological services (i.e. Niche Environment & Heritage Pty Ltd).
- My background. Professional Archaeologist over 20 years experience.

#### **OEH and DoPI Roles**



- · Are the decision-makers;
- Review information from the proponents, including information about the views and knowledge provided by registered Aboriginal stakeholders; and
- Make decisions whether to grant or not grant development approval (with or without conditions).

Aboriginal stakeholder registration and written responses

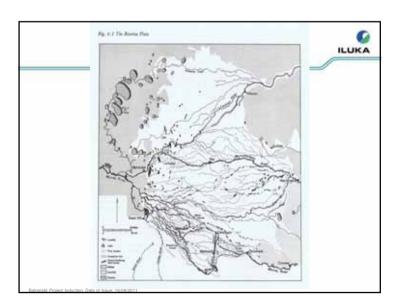


- Iluka Resources Limited has developed a Aboriginal stakeholder register and consultation log process.
- As the DoPI /OEH process requires written proof of consultation at all stages of the assessment; Iluka Resources Limited will always request registered Aboriginal stakeholders to respond in writing to all notifications concerning the project's assessment.

# Registered Stakeholder Consultation Process

- Requests for Aboriginal stakeholder consultation meetings will be officially notified in writing and a period of time up to 28 days will be given for written requests or responses to review for example assessment reports or survey research designs.
- Failure to respond to official notifications within a reasonable time frame (either through letter, email or fax) will mean 'that a no response' was recorded.
- Consultation meetings concerning the project will be held with all Registered Aboriginal Stakeholder groups present.

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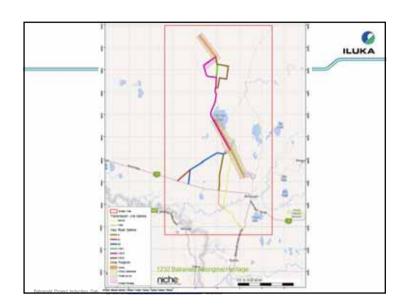


## Landscape and Environmental Features of the study area



- The study area is located close to the centre of the Murray Basin in south-western New South Wales, which is a large structurally controlled depression which has filled with Tertiary marine and non-marine sediments. This sequence has subsequently been overlain by Quaternary aged aeolian, fluvial and lacustrine sediments.
- The study area is located within the Riverine Plain Landsystem.
- The study area lies roughly between the town of Balranald in the south and the village of Hatfield in the north and is made up of the Nepean and West Balranald mineral deposits.

ILUKA



# Landscape and Environmental Features of the study area



- The Nepean deposit is located within the Arumpo Land System (Soil Conservation Service of NSW 1991). The soils within this land system comprise fine sandy loams and light sandy – clay loam. These broad soil types comprise varying amounts of coarse cracking grey/brown clays, calcareous sands and yellow / red textured contrast soils.
- The Nepean Deposit is located on the edge of a topographic ridge known as the Iona Ridge.
- The landscape is dominated by parallel east west trending sand dunes dominated by mallee vegetation with an understorey of spinifex. The associated interdune swales and plains are dominated by Chenopod Mallee and Belah Rosewood (Ogyris and Wildlife Profiles, 2007).

# Landscape and Environmental Features of the study area



- Both deposits are located on Exploration Licence EL 7450 which was granted to Iluka Resources Limited in February 2010. The tenement was formed from the amalgamation of four previous licences (EL6478, EL6816, EL6669 and EL6970).
- The Nepean deposit is located approximately 67 kilometres north-northwest of Balranald, and is contained within two Western Lands Leases, 'Wintong' and 'Wampo'. A Private Conservation Reserve exists on Wampo Station in the northern half of the Nepean deposit. This private reserve was established in 1999 and covers an area of approximately 17,890 hectares (43,961 acres).

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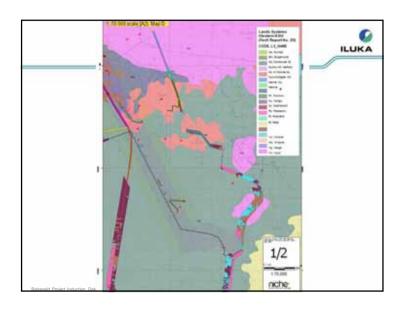




# Landscape and Environmental Features of the study area

- The West Balranald Deposit is situated within the Balranald Land System (Soil Conservation Service of NSW 1991). The sandy surfaces sediments have been extensively reworked into dunes and sand plains. The surrounding rivers and streams in the Riverina have cut through the sands and constructed numerous overflow lakes and abandoned Pleistocene channels and basins.
- Saline ground waters have formed salt basins in many places where the sand plain or dune topography intersects the water table. Soils and vegetation differ accordingly to the landform.
- On the dune fields red, brown and yellow calcareous sands occur with more clayey materials in the swales. On sand plains the soil tends to be heavier with brown gradational or texture contrast profiles, and mallee is found only on sandy rises ( Iluka Resources Limted 2010).





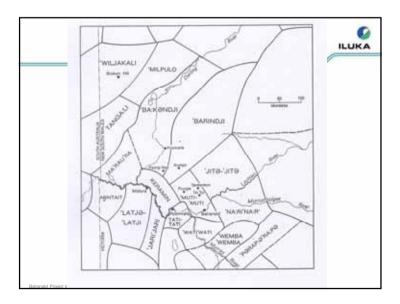


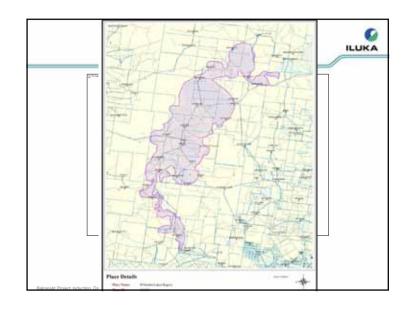


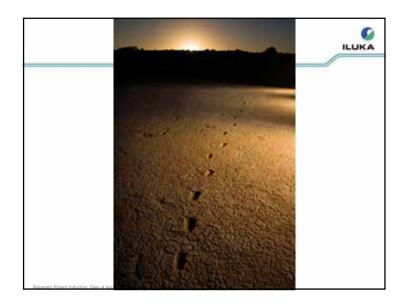


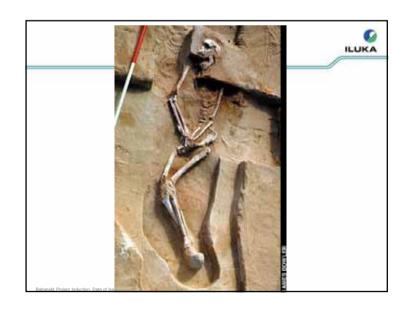
Cultural background and archaeological aspects of the study area

- The project area is defined culturally as Muthi Muthi with some overlap with Yita Yita country (see map).
- Study area covers approximately 121 sqkm and is approximately 8 kms north-west of Balranald.
- General landscapes surrounding the study area are rich in evidence of Aboriginal occupation going back to 45,000 years BP (i.e. see Willandra Lakes World Heritage area).
- Important cultural landscape features would be the Tin Tin Lake, Pitarpunga Lake and Box Creek.



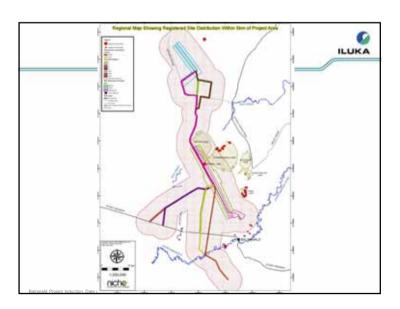












What type of Aboriginal sites and objects are likely in the study area?

Based on previous work on the Bemax project and other assessments undertaken by Sarah Martin and Badjar Bates, Dan Witter Aboriginal sites have already been identified in parts of the study area.

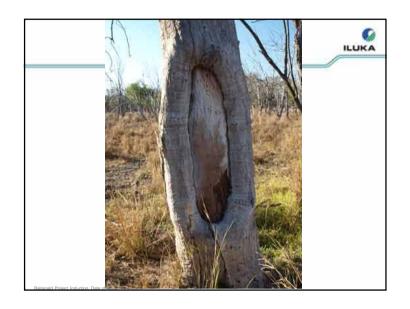
- Likely to find the following site types:
- Isolated finds.

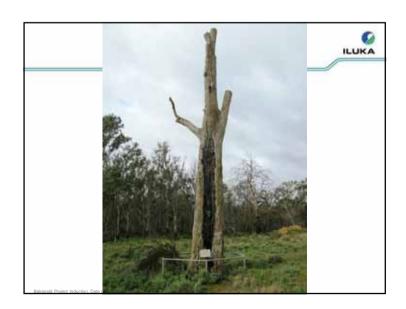
Artefact scatters.

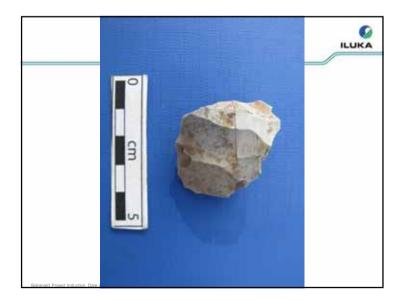
- Hearths
- Hearth Scatters
- Shell Middens
- Potential Archaeological Deposits
- Burials.
- Scarred Trees.
- Earth Mounds.







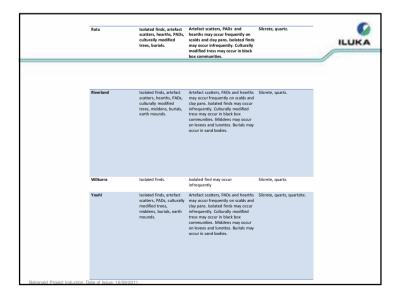








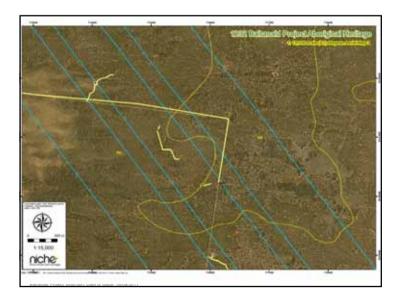




Heritage Survey design and Registered Aboriginal stakeholder involvement

Balranald Mineral Sands Project EL 7450 archaeological survey will be designed based on:

- Previous scientific research;
- Input from registered Aboriginal stakeholder groups & individuals, including identifying culturally sensitive landscapes;
- Land unit distribution and level of surface ground disturbance;
- Visibility of exposed land surfaces;
- Age of soil types and subsoil potential; and
- Distribution of natural resources (i.e. Box swamps, Lake margins, Box Creek drainage, pale-ochannels from lakes, claypan areas and Murrumbidgee floodplain units).

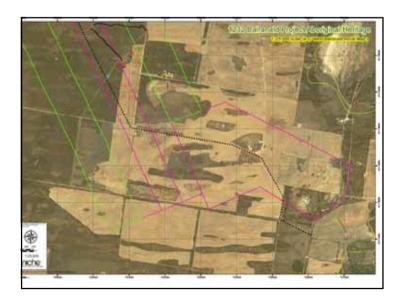


## **Heritage Survey Transects**



- The archaeological survey will be carried out using a selective sampling approach with survey areas chosen based on the potential of finding Aboriginal sites or objects.
- Areas of high potential such as those located around existing claypan and drainage features (i.e. Lake margins and old paleochannels) will be targeted for survey assessment.
- Areas of low potential such as the Mallee woodlands ( especially ploughed) will not be targeted for survey assessment.

Balranald Project Induction Date of Issue: 16/09/2011



How can registered Aboriginal stakeholders be a part of the field assessment?

- Providing evidence of assessment experience, cultural knowledge and professional qualifications;
- Providing assistance with the design of the archaeological survey; and
- Providing cultural information about the significance of the study area (i.e. through our written questionnaire).

#### **Engagement of Survey Team**



- Engagement of the field officers will be managed using a field services agreement.
- Five people will be selected by Iluka Resources Ltd to assist in the field assessment.
- Engagement will be based on having the best field officers for the assessment. Individuals will be selected rather than groups.
- Need fit people who can work a solid 8 hour day.
- People will be selected on merit.
- This could mean that three different groups are selected to do the survey.
- Niche Environment & Heritage will supervise the survey team and individuals will be accountable to me as the Supervisor.

#### **Aboriginal Cultural Heritage Assessment Questionnaire**



- 1. Your name or Organisation / Cultural Grouping you identify with (i.e. Muthi Muthi, Bakindji, Barindji etc.)
- 2. Are you aware of any sites or areas of cultural significance near (within 10km) or within the Balranald Mineral Sands Project EL 7450 ?
- 3. Do you regard any part of the Balranald Mineral Sands Project EL 7450 area as having aboriginal cultural landscape values?
- 4. Do you have any traditional, historic or contemporary cultural knowledge that may provide information about the cultural significance of a Balranald Mineral Sands Project EL 7450 area? If yes, is this knowledge of a confidential nature or can it be made public in an Environmental Assessment document?
- 5. Do you have any specific advice or information about how the Balranald Mineral Sands Project EL 7450 area should be assessed from a cultural heritage point of view?
- 6. Any additional information

Balranald Project Induction Date of Issue: 16/09/2011

#### **Survey Assessment**

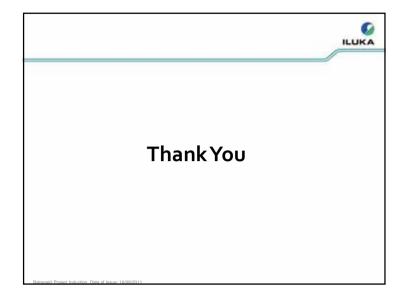


- Looking at a period of 25 days for the field assessment(i.e. July -August 2012).
- Fees will be \$600/day.
- · Food, water and transport will be provided to and from the worksite.
- · Work will be paid on completion of daily or half daily tasks.
- · Sign In and Sign Out sheets will be maintained.
- Rain delays will be paid if client cannot give the field workers 24 hours prior notice.
- Field Officers will have to provide: own ABN, Personal Protective Equipment (i.e. work boots, high visibility vests)
- Field Officers will need to have Workers Compensation Insurance and Public Liability cover.

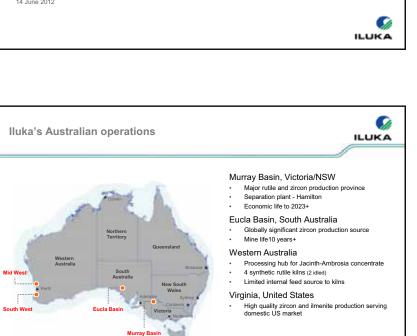
# **Expresssion of Interest**

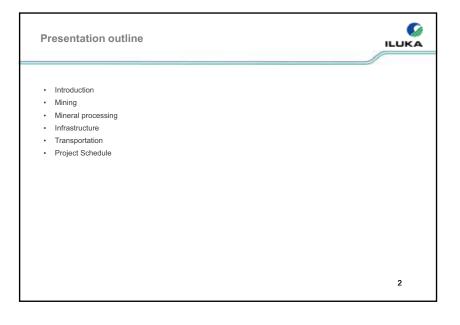


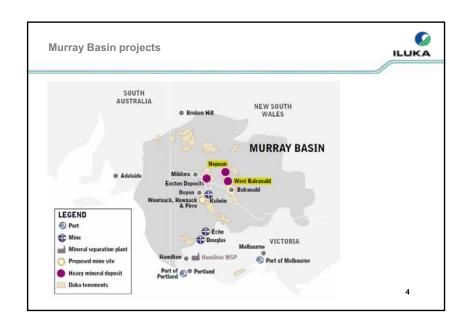
- Following this meeting, Iluka Resources Ltd will write to registered Aboriginal stakeholders inviting them to register an interest in being a part of the field assessment work.
- Iluka Resources Ltd will need to see the following within 28 days of this written invitation:
- -Up to date Workers Compensation and Public Liability insurances and ABN;
- -Evidence of cultural knowledge, assessment skills and experience; and
- -Availability to undertake work in July-August 2012.

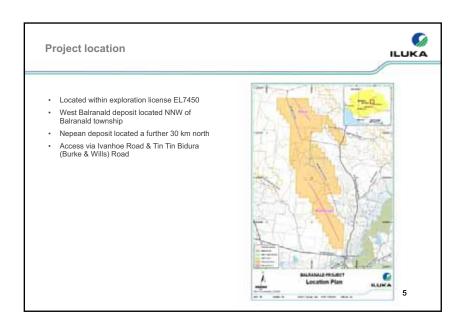




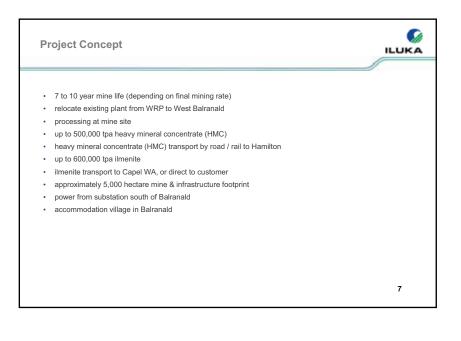


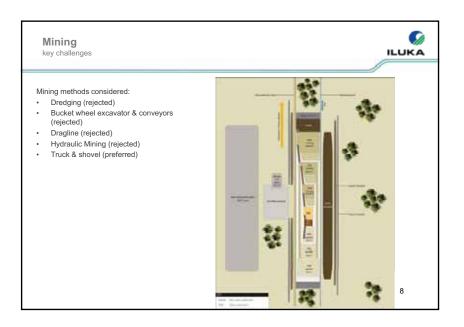


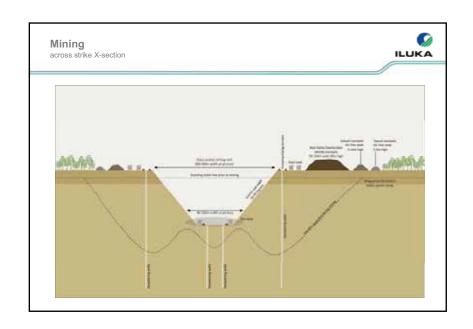


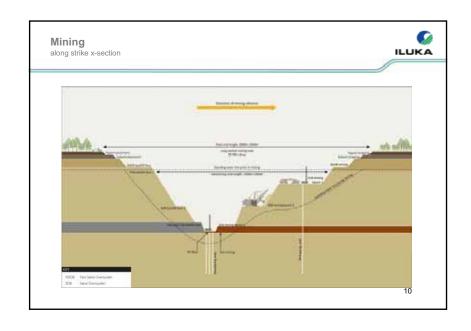


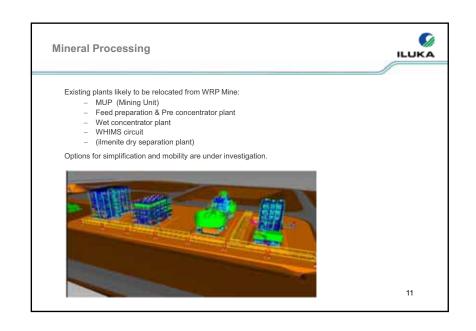


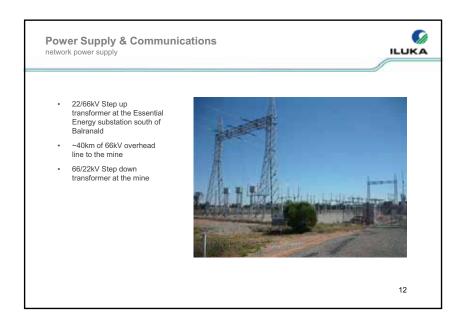


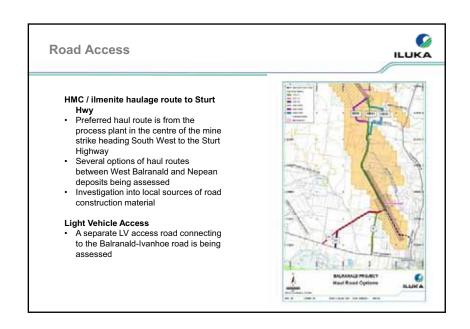


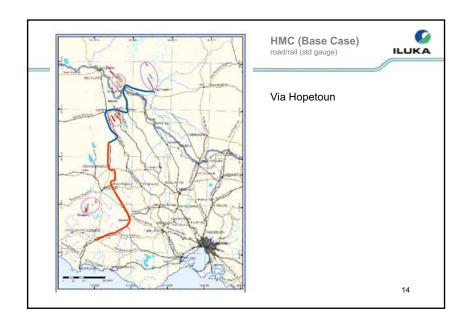


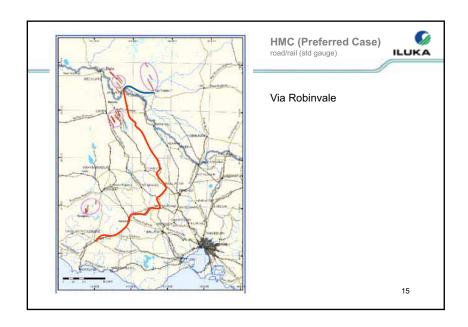


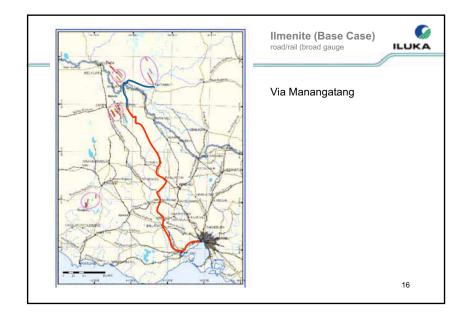


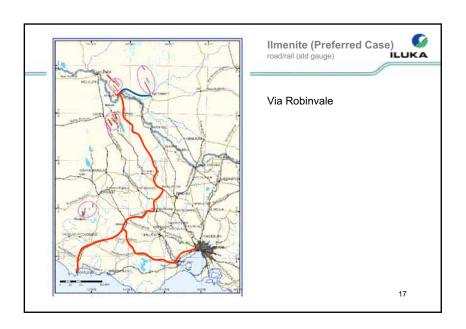


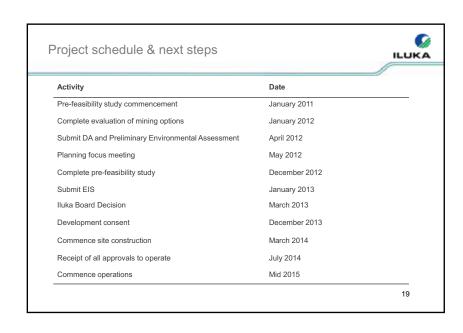
















# **Appendix 5 – Transect Data**

TransID	Xcentroid Ycentroid Trans_Desc Visibility	ty Exposure Slope Vegetation	NotesDis	GPS_Date LS_NAME RANGE_TYPE	MAJOR_RANG	PHYSIOGRAP SUMMARY
100		40 20 Level to very gently inclined Shrubs and grasses	stock, erosion, vehicle tracks.	31/05/2013 Rata Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains Extensive saltbush plain with small subcircular depressions.
100		40         20 Level to very gently inclined         Crops           40         20 Level to very gently inclined         Crops	Ploughed Ploughed	26/06/2013 Rata Riverine plain with saltbush and bluebush 26/06/2013 Marma Scalded plains	Saltbush Plains Saltbush Plains	Alluvial plains Extensive saltbush plain with small subcircular depressions.  Alluvial plains Ill-defined scalded drainage tracts associated with the Riverine Plain.
100		40 20 Level to very gently inclined Pearl Bluebush Low Open Shrubland	stock, erosion, vehicle tracks.	31/05/2013 Rata Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains Extensive saltbush plain with small subcircular depressions.
100		40 20 Level to very gently inclined Pearl Bluebush Low Open Shrubland 40 20 Level to very gently inclined Pearl Bluebush Low Open Shrubland	stock, erosion, vehicle tracks. stock, erosion, vehicle tracks.	31/05/2013 Rata Riverine plain with saltbush and bluebush 31/05/2013 Rata Riverine plain with saltbush and bluebush	Saltbush Plains Saltbush Plains	Alluvial plains Extensive saltbush plain with small subcircular depressions.  Alluvial plains Extensive saltbush plain with small subcircular depressions.
100		40 20 Level to very gently inclined Pearl Bluebush Low Open Shrubland	stock, erosion, vehicle tracks.	31/05/2013 Rata Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains Extensive saltbush plain with small subcircular depressions.
100		40 20 Level to very gently inclined Pearl Bluebush Low Open Shrubland 40 20 Level to very gently inclined Pearl Bluebush Low Open Shrubland	stock, erosion, vehicle tracks. stock, erosion, vehicle tracks.	31/05/2013 Rata Riverine plain with saltbush and bluebush 31/05/2013 Rata Riverine plain with saltbush and bluebush	Saltbush Plains Saltbush Plains	Alluvial plains Extensive saltbush plain with small subcircular depressions.  Alluvial plains Extensive saltbush plain with small subcircular depressions.
100		40 20 Level to very gently inclined Pearl Bluebush Low Open Shrubland	stock, erosion, vehicle tracks.	31/05/2013 Rata Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains Extensive saltbush plain with small subcircular depressions.
100		40 20 Level to very gently inclined Pearl Bluebush Low Open Shrubland 40 20 Level to very gently inclined Pearl Bluebush Low Open Shrubland	stock, erosion, vehicle tracks. stock, erosion, vehicle tracks.	31/05/2013 Rata Riverine plain with saltbush and bluebush 31/05/2013 Rata Riverine plain with saltbush and bluebush	Saltbush Plains Saltbush Plains	Alluvial plains Extensive saltbush plain with small subcircular depressions.  Alluvial plains Extensive saltbush plain with small subcircular depressions.
100	725199 6186442 Option 5	40 20 Level to very gently inclined Pearl Bluebush Low Open Shrubland	stock, erosion, vehicle tracks.	31/05/2013 Rata Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains Extensive saltbush plain with small subcircular depressions.
100		40 20 Level to very gently inclined Pearl Bluebush Low Open Shrubland 40 20 Level to very gently inclined Pearl Bluebush Low Open Shrubland	stock, erosion, vehicle tracks. stock, erosion, vehicle tracks.	31/05/2013 Rata Riverine plain with saltbush and bluebush 31/05/2013 Rata Riverine plain with saltbush and bluebush	Saltbush Plains Saltbush Plains	Alluvial plains Extensive saltbush plain with small subcircular depressions.  Alluvial plains Extensive saltbush plain with small subcircular depressions.
100	725194 6186393 Option 6	40 20 Level to very gently inclined Pearl Bluebush Low Open Shrubland	stock, erosion, vehicle tracks.	31/05/2013 Rata Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains Extensive saltbush plain with small subcircular depressions.
100 100-52 Access		40 20 Level to very gently inclined Pearl Bluebush Low Open Shrubland 40 20 Level to very gently inclined Pearl Bluebush Low Open Shrubland	stock, erosion, vehicle tracks.  Stock, natural	31/05/2013   Rata   Riverine plain with saltbush and bluebush   26/06/2013   Rata   Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains Extensive saltbush plain with small subcircular depressions.  Alluvial plains Extensive saltbush plain with small subcircular depressions.
1720 JR Transect 1	724613 6180222	60 40 Level to very gently inclined Pearl Bluebush Low Open Shrubland	Stock, natural	18991230 Condoulpe Sandplains and dunefields with mallee	Mallee	Sandplain Sandplain between dunefields and the Riverine Plain near Balranald
1720 JR Transect 1 1720 JR Transect 2	1	60 40 Level to very gently inclined Pearl Bluebush Low Open Shrubland 60 40 Level to very gently inclined Pearl Bluebush Low Open Shrubland		18991230   Condoulpe   Sandplains and dunefields with mallee   18991230   Condoulpe   Sandplains and dunefields with mallee	Mallee	Sandplain   Sandplain between dunefields and the Riverine Plain near Balranald   Sandplain   Sandplain between dunefields and the Riverine Plain near Balranald
1720 JR Transect 3		60 40 Level to very gently inclined Pearl Bluebush Low Open Shrubland		18991230 Condoulpe Sandplains and dunefields with mallee	Mallee	Sandplain Sandplain between dunefields and the Riverine Plain near Balranald  Sandplain Sandplain between dunefields and the Riverine Plain near Balranald
21		40 20 Level to very gently inclined Shrubs and grasses 40 20 Level to very gently inclined Shrubs and grasses	natural, minor stock	30/05/2013 Marma Scalded plains 30/05/2013 Marma Scalded plains	Saltbush Plains Saltbush Plains	Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.  Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.
21		40 20 Level to very gently inclined Shrubs and grasses 40 20 Level to very gently inclined Shrubs and grasses	natural, minor stock	30/05/2013 Marma Scalded plains Scalded plains	Saltbush Plains	Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.
23		40 20 Level to very gently inclined Bladder Saltbush Low Open Shrubland 40 20 Level to very gently inclined Sparse shrubs/trees	Stock, natural	26/06/2013 Rata Riverine plain with saltbush and bluebush 30/05/2013 Condoulpe Sandplains and dunefields with mallee	Saltbush Plains Mallee	Alluvial plains Extensive saltbush plain with small subcircular depressions.
24		40         20 Level to very gently inclined         Sparse shrubs/trees           40         20 Level to very gently inclined         Sparse shrubs/trees	stock, erosion, vehicle tracks. stock, erosion, vehicle tracks.	30/05/2013 Condoulpe Sandplains and dunefields with mallee 30/05/2013 Rata Riverine plain with saltbush and bluebush	Saltbush Plains	Sandplain   Sandplain between dunefields and the Riverine Plain near Balranald   Alluvial plains   Extensive saltbush plain with small subcircular depressions.
24		40 20 Level to very gently inclined Pearl Bluebush Low Open Shrubland	stock, erosion, vehicle tracks.	31/05/2013 Condoulpe Sandplains and dunefields with mallee	Mallee Mallee	Sandplain Sandplain between dunefields and the Riverine Plain near Balranald
24		40 20 Level to very gently inclined Pearl Bluebush Low Open Shrubland 40 20 Level to very gently inclined Pearl Bluebush Low Open Shrubland	stock, erosion, vehicle tracks. stock, erosion, vehicle tracks.	31/05/2013 Condoulpe Sandplains and dunefields with mallee 30/05/2013 Condoulpe Sandplains and dunefields with mallee	Mallee	Sandplain   Sandplain between dunefields and the Riverine Plain near Balranald   Sandplain   Sandplain between dunefields and the Riverine Plain near Balranald
24	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	40 20 Level to very gently inclined Pearl Bluebush Low Open Shrubland	stock, erosion, vehicle tracks.	30/05/2013 Rata Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains Extensive saltbush plain with small subcircular depressions.
24		40 20 Level to very gently inclined Pearl Bluebush Low Open Shrubland 40 20 Level to very gently inclined Pearl Bluebush Low Open Shrubland	stock, erosion, vehicle tracks. stock, erosion, vehicle tracks.	31/05/2013 Condoulpe Sandplains and dunefields with mallee 31/05/2013 Rata Riverine plain with saltbush and bluebush	Mallee Saltbush Plains	Sandplain Sandplain between dunefields and the Riverine Plain near Balranald  Alluvial plains Extensive saltbush plain with small subcircular depressions.
24	724821 6186078 Option 8	40 20 Level to very gently inclined Pearl Bluebush Low Open Shrubland	Stock, natural	26/06/2013 Condoulpe Sandplains and dunefields with mallee	Mallee	Sandplain Sandplain between dunefields and the Riverine Plain near Balranald
24		40 20 Level to very gently inclined Pearl Bluebush Low Open Shrubland 40 20 Level to very gently inclined Pearl Bluebush Low Open Shrubland	Stock, natural Stock, natural	26/06/2013 Marma Scalded plains 26/06/2013 Rata Riverine plain with saltbush and bluebush	Saltbush Plains Saltbush Plains	Alluvial plains Ill-defined scalded drainage tracts associated with the Riverine Plain.  Alluvial plains Extensive saltbush plain with small subcircular depressions.
24	724702 6186288 Option 3	40 20 Level to very gently inclined Pearl Bluebush Low Open Shrubland	stock, erosion, vehicle tracks.	31/05/2013 Condoulpe Sandplains and dunefields with mallee	Mallee	Sandplain Sandplain between dunefields and the Riverine Plain near Balranald
24	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	40 20 Level to very gently inclined Pearl Bluebush Low Open Shrubland 40 20 Level to very gently inclined Pearl Bluebush Low Open Shrubland	stock, erosion, vehicle tracks. stock, erosion, vehicle tracks.	31/05/2013 Condoulpe Sandplains and dunefields with mallee 30/05/2013 Rata Riverine plain with saltbush and bluebush	Mallee Saltbush Plains	Sandplain   Sandplain between dunefields and the Riverine Plain near Balranald
24	724712 6186369 Option 4	40 20 Level to very gently inclined Pearl Bluebush Low Open Shrubland	stock, erosion, vehicle tracks.	30/05/2013 Rata Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains Extensive saltbush plain with small subcircular depressions.
24		40 20 Level to very gently inclined Pearl Bluebush Low Open Shrubland 40 20 Level to very gently inclined Pearl Bluebush Low Open Shrubland	stock, erosion, vehicle tracks. stock, erosion, vehicle tracks.	30/05/2013   Condoulpe   Sandplains and dunefields with mallee   31/05/2013   Condoulpe   Sandplains and dunefields with mallee	Mallee Mallee	Sandplain   Sandplain between dunefields and the Riverine Plain near Balranald   Sandplain   Sandplain between dunefields and the Riverine Plain near Balranald
24	724712 6186369 Option 4	40 20 Level to very gently inclined Pearl Bluebush Low Open Shrubland	stock, erosion, vehicle tracks.	30/05/2013 Rata Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains Extensive saltbush plain with small subcircular depressions.
24 24-52 Δccess		40 20 Level to very gently inclined Pearl Bluebush Low Open Shrubland 40 20 Level to very gently inclined Pearl Bluebush Low Open Shrubland	stock, erosion, vehicle tracks.  Stock, natural	31/05/2013 Rata Riverine plain with saltbush and bluebush 26/06/2013 Rata Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains Extensive saltbush plain with small subcircular depressions.  Alluvial plains Extensive saltbush plain with small subcircular depressions.
27 27		40 20 Level to very gently inclined Bladder Saltbush Low Open Shrubland	stock, natural	26/06/2013 Youhl Riverine plain with saltbush and bluebush	Saltbush Plains	Playas and Basins Relict lakes adjacent to the Riverine Plain.
27		40 20 Level to very gently inclined Bladder Saltbush Low Open Shrubland 40 20 Level to very gently inclined Bladder Saltbush Low Open Shrubland	stock, natural	26/06/2013 Youhl Riverine plain with saltbush and bluebush 26/06/2013 Youhl Riverine plain with saltbush and bluebush	Saltbush Plains Saltbush Plains	Playas and Basins Relict lakes adjacent to the Riverine Plain.  Playas and Basins Relict lakes adjacent to the Riverine Plain.
28		40 20 Level to very gently inclined Bladder Saltbush Low Open Shrubland Bladder Saltbush Low Open Shrubland	Stock, natural Stock, natural	26/06/2013 Youhl   Riverine plain with saltbush and bluebush   26/06/2013 Youhl   Riverine plain with saltbush and bluebush	Saltbush Plains	Playas and Basins Relict lakes adjacent to the Riverine Plain.
29		100 0 Level to very gently inclined Cleared  80 10 Level to very gently inclined Cleared	dam construction stock	30/05/2013 Youhl Riverine plain with saltbush and bluebush	Saltbush Plains	Playas and Basins Relict lakes adjacent to the Riverine Plain.
300		80         10 Level to very gently inclined         Cleared           80         10 Level to very gently inclined         Cleared	Ploughed Clearing, Ploughing.	26/06/2013   Youhl   Riverine plain with saltbush and bluebush   30/05/2013   Gulthul   Sandplains and dunefields with mallee	Mallee Saltbush Plains	Playas and Basins Relict lakes adjacent to the Riverine Plain.  Sandplain Extensive plain between the Darling and Murrumbidgee Rivers.
34		60 10 Level to very gently inclined Shrubs and grasses	clearing. saltbush/bluebush regrowth	30/05/2013 Gulthul Sandplains and dunefields with mallee	Mallee	Sandplain Extensive plain between the Darling and Murrumbidgee Rivers.
35		60 10 Level to very gently inclined Shrubs and grasses  80 0 Level to very gently inclined Shrubs and grasses	clearing. saltbush/bluebush regrowth  Mechanical (dam construction), clearing	30/05/2013   Gulthul   Sandplains and dunefields with mallee   29/05/2013   Marma   Scalded plains	Mallee Saltbush Plains	Sandplain   Extensive plain between the Darling and Murrumbidgee Rivers.     Alluvial plains   Ill-defined scalded drainage tracts associated with the Riverine Plain.
35	74,570.0					
		80 0 Level to very gently inclined Shrubs and grasses	Mechanical (dam construction), clearing	29/05/2013 Marma Scalded plains	Saltbush Plains	Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.
400 400	716543 6187601	80 10 Level to very gently inclined Shrubs and grasses	burning clearing. mechanical 15m off road	30/05/2013 Gulthul Sandplains and dunefields with mallee	Mallee	Sandplain Extensive plain between the Darling and Murrumbidgee Rivers.
400 402 / Gravel Pit No.1	716543 6187601 716543 6187601 719931 6192365 CA 20131015 garmin 018 - 021	80 10 Level to very gently inclined Shrubs and grasses 80 10 Level to very gently inclined Cleared/Agricultural (crops, vineyards, weedy fallow) 80 10 Level to very gently inclined Shrubs and grasses	burning clearing. mechanical 15m off road burning clearing. mechanical 15m off road Grazing	30/05/2013 Gulthul   Sandplains and dunefields with mallee   30/05/2013 Gulthul   Sandplains and dunefields with mallee   15/10/2013 Gulthul   Sandplains and dunefields with mallee	Mallee Mallee Mallee	Sandplain Extensive plain between the Darling and Murrumbidgee Rivers.  Sandplain Extensive plain between the Darling and Murrumbidgee Rivers.  Sandplain Extensive plain between the Darling and Murrumbidgee Rivers.
400	716543 6187601 716543 6187601 719931 6192365 CA 20131015 garmin 018 - 021 719931 6192365 CA 20131015 garmin 018 - 021	80 10 Level to very gently inclined Shrubs and grasses 80 10 Level to very gently inclined Cleared/Agricultural (crops, vineyards, weedy fallow) 80 10 Level to very gently inclined Shrubs and grasses 80 10 Level to very gently inclined Shrubs and grasses	burning clearing. mechanical 15m off road burning clearing. mechanical 15m off road Grazing Grazing	30/05/2013 Gulthul Sandplains and dunefields with mallee 30/05/2013 Gulthul Sandplains and dunefields with mallee 15/10/2013 Gulthul Sandplains and dunefields with mallee 15/10/2013 Rata Riverine plain with saltbush and bluebush	Mallee Mallee	Sandplain Extensive plain between the Darling and Murrumbidgee Rivers. Sandplain Extensive plain between the Darling and Murrumbidgee Rivers. Sandplain Extensive plain between the Darling and Murrumbidgee Rivers. Alluvial plains Extensive saltbush plain with small subcircular depressions.
400 402 / Gravel Pit No.1 402 / Gravel Pit No.1 402 / Gravel Pit No.1 402 / Gravel Pit No.1	716543 6187601 716543 6187601 719931 6192365 CA 20131015 garmin 018 - 021 719931 6192365 CA 20131015 garmin 018 - 021 719931 6192365 CA 20131015 garmin 018 - 021 719931 6192365 CA 20131015 garmin 018 - 021	80 10 Level to very gently inclined Shrubs and grasses 10 Level to very gently inclined Cleared/Agricultural (crops, vineyards, weedy fallow) 80 10 Level to very gently inclined Shrubs and grasses 80 10 Level to very gently inclined Shrubs and grasses 10 Level to very gently inclined Shrubs and grasses 80 10 Level to very gently inclined Shrubs and grasses 80 10 Level to very gently inclined Shrubs and grasses	burning clearing. mechanical 15m off road burning clearing. mechanical 15m off road Grazing Grazing Grazing Grazing	30/05/2013 Gulthul Sandplains and dunefields with mallee 30/05/2013 Gulthul Sandplains and dunefields with mallee 15/10/2013 Gulthul Sandplains and dunefields with mallee 15/10/2013 Rata Riverine plain with saltbush and bluebush 15/10/2013 Rata Riverine plain with saltbush and bluebush 15/10/2013 Rata Riverine plain with saltbush and bluebush	Mallee Mallee Mallee Mallee Saltbush Plains Mallee Saltbush Plains	Sandplain Extensive plain between the Darling and Murrumbidgee Rivers. Sandplain Extensive plain between the Darling and Murrumbidgee Rivers. Sandplain Extensive plain between the Darling and Murrumbidgee Rivers. Alluvial plains Extensive saltbush plain with small subcircular depressions. Sandplain Extensive plain between the Darling and Murrumbidgee Rivers. Alluvial plains Extensive saltbush plain with small subcircular depressions.
400 402 / Gravel Pit No.1 402 / Gravel Pit No.1 402 / Gravel Pit No.1	716543 6187601 716543 6187601 719931 6192365 CA 20131015 garmin 018 - 021 720301 6193219 CA 20131015 garmin 022 - 028,	80	burning clearing, mechanical 15m off road burning clearing, mechanical 15m off road Grazing Grazing Grazing Grazing Grazing Grazing Grazing	30/05/2013 Gulthul Sandplains and dunefields with mallee 30/05/2013 Gulthul Sandplains and dunefields with mallee 15/10/2013 Gulthul Sandplains and dunefields with mallee 15/10/2013 Rata Riverine plain with saltbush and bluebush	Mallee Mallee Saltbush Plains Mallee Saltbush Plains Saltbush Plains Saltbush Plains	Sandplain Extensive plain between the Darling and Murrumbidgee Rivers. Sandplain Extensive plain between the Darling and Murrumbidgee Rivers. Sandplain Extensive plain between the Darling and Murrumbidgee Rivers. Alluvial plains Extensive saltbush plain with small subcircular depressions. Sandplain Extensive saltbush plain with small subcircular depressions. Alluvial plains Extensive saltbush plain with small subcircular depressions. Alluvial plains Extensive saltbush plain with small subcircular depressions.
400 402 / Gravel Pit No.1 402 / Gravel Pit No.1 402 / Gravel Pit No.1 402 / Gravel Pit No.1	716543 6187601 716543 6187601 716931 6192365 CA 20131015 garmin 018 - 021 719931 6192365 CA 20131015 garmin 018 - 021 720301 6193219 CA 20131015 garmin 022 - 028, 719150 6187210 720240 6187063	10   Level to very gently inclined   Shrubs and grasses	burning clearing, mechanical 15m off road burning clearing, mechanical 15m off road Grazing Grazing Grazing Grazing Grazing Grazing Ploughed, cleared Ploughed, cleared	30/05/2013 Guithul Sandplains and dunefields with mallee 30/05/2013 Guithul Sandplains and dunefields with mallee 15/10/2013 Guithul Sandplains and dunefields with mallee 15/10/2013 Rata Riverine plain with saltbush and bluebush 30/05/2013 Guithul Sandplains and dunefields with mallee 30/05/2013 Guithul Sandplains and dunefields with mallee	Maliee Maliee Maliee Saltbush Plains Maliee Saltbush Plains Saltbush Plains Maliee Maliee Maliee	Sandplain Extensive plain between the Darling and Murrumbidgee Rivers. Sandplain Extensive plain between the Darling and Murrumbidgee Rivers. Sandplain Extensive plain between the Darling and Murrumbidgee Rivers. Alluvial plains Extensive saltbush plain with small subcircular depressions. Sandplain Extensive plain between the Darling and Murrumbidgee Rivers. Alluvial plains Extensive saltbush plain with small subcircular depressions. Alluvial plains Extensive saltbush plain with small subcircular depressions. Sandplain Extensive plain between the Darling and Murrumbidgee Rivers. Sandplain Extensive plain between the Darling and Murrumbidgee Rivers.
400 402 / Gravel Pit No.1 402 / Gravel Pit No.1 402 / Gravel Pit No.1 402 / Gravel Pit No.1	716543 6187601 716543 6187601 716931 6192365 CA 20131015 garmin 018 - 021 719931 6192365 CA 20131015 garmin 018 - 021 720301 6193219 CA 20131015 garmin 022 - 028, 719150 6187210 72040 6187063 724383 6186463 Option 2	10   Level to very gently inclined   Shrubs and grasses	burning clearing, mechanical 15m off road burning clearing, mechanical 15m off road Grazing Grazing Grazing Grazing Grazing Ploughed, cleared Ploughed, cleared Stock, natural	30/05/2013 Gulthul Sandplains and dunefields with mallee 30/05/2013 Gulthul Sandplains and dunefields with mallee 15/10/2013 Gulthul Sandplains and dunefields with mallee 15/10/2013 Rata Riverine plain with saltbush and bluebush 30/05/2013 Gulthul Sandplains and dunefields with mallee 30/05/2013 Gulthul Sandplains and dunefields with mallee 30/05/2013 Condoulpe Sandplains and dunefields with mallee	Mallee Mallee Mallee Saltbush Plains Mallee Saltbush Plains Saltbush Plains Mallee Mallee Mallee Mallee	Sandplain Extensive plain between the Darling and Murrumbidgee Rivers. Sandplain Extensive plain between the Darling and Murrumbidgee Rivers. Sandplain Extensive plain between the Darling and Murrumbidgee Rivers. Alluvial plains Extensive saltbush plain with small subcircular depressions. Sandplain Extensive plain between the Darling and Murrumbidgee Rivers. Alluvial plains Extensive saltbush plain with small subcircular depressions. Alluvial plains Extensive saltbush plain with small subcircular depressions. Sandplain Extensive saltbush plain with small subcircular depressions. Sandplain Extensive plain between the Darling and Murrumbidgee Rivers. Sandplain Sandplain between dunefields and the Riverine Plain near Balranald
400 402 / Gravel Pit No.1 402 / Gravel Pit No.1 402 / Gravel Pit No.1 402 / Gravel Pit No.1	716543 6187601 716543 6187601 716543 6187601 719931 6192365 CA 20131015 garmin 018 - 021 720301 6193219 CA 20131015 garmin 022 - 028, 719150 6187210 72040 6187063 724383 6186463 Option 2 7244931 6186463 Option 2 7244931 6186463 Option 2	10   Level to very gently inclined   Shrubs and grasses     10   Level to very gently inclined   Cleared/Agricultural (crops, vineyards, weedy fallow)     10   Level to very gently inclined   Shrubs and grasses     10   Level to very gently inclined   Shrubs and grasses     10   Level to very gently inclined   Shrubs and grasses     10   Level to very gently inclined   Shrubs and grasses     10   Level to very gently inclined   Shrubs and grasses     10   Level to very gently inclined   Shrubs and grasses     10   Level to very gently inclined   Shrubs and grasses     10   Level to very gently inclined   Cleared/Agricultural (crops, vineyards, weedy fallow)     10   Level to very gently inclined   Chenopod, belah, grasses     10   Level to very gently inclined   Chenopod, belah, grasses     10   Level to very gently inclined   Shrubs and grasses	burning clearing, mechanical 15m off road burning clearing, mechanical 15m off road Grazing Grazing Grazing Grazing Grazing Ploughed, cleared Ploughed, cleared Stock, natural Stock, natural	30/05/2013 Gulthul Sandplains and dunefields with mallee 30/05/2013 Gulthul Sandplains and dunefields with mallee 15/10/2013 Gulthul Sandplains and dunefields with mallee 15/10/2013 Rata Riverine plain with saltbush and bluebush 30/05/2013 Gulthul Sandplains and dunefields with mallee 30/05/2013 Gulthul Sandplains and dunefields with mallee 30/05/2013 Condoulpe Sandplains and dunefields with mallee 30/05/2013 Condoulpe Sandplains and dunefields with mallee 30/05/2013 Condoulpe Sandplains and dunefields with mallee	Maliee Maliee Maliee Saltbush Plains Maliee Saltbush Plains Saltbush Plains Maliee Maliee Maliee Maliee Maliee Maliee Maliee Maliee	Sandplain Extensive plain between the Darling and Murrumbidgee Rivers. Sandplain Extensive plain between the Darling and Murrumbidgee Rivers. Sandplain Extensive plain between the Darling and Murrumbidgee Rivers. Alluvial plains Extensive plain between the Darling and Murrumbidgee Rivers. Sandplain Extensive plain between the Darling and Murrumbidgee Rivers. Alluvial plains Extensive saltbush plain with small subcircual referessions. Sandplain Extensive saltbush plain with small subcircual referessions. Sandplain Extensive plain between the Darling and Murrumbidgee Rivers. Sandplain Extensive plain between the Darling and Murrumbidgee Rivers. Sandplain Sandplain between dunefields and the Riverine Plain near Balranald Sandplain Sandplain between dunefields and the Riverine Plain near Balranald Sandplain Sandplain between dunefields and the Riverine Plain near Balranald
400 402 / Gravel Pit No.1 402 / Gravel Pit No.1 402 / Gravel Pit No.1 402 / Gravel Pit No.1	716543 6187601 716543 6187601 716543 6187601 719931 6192365 CA 20131015 garmin 018 - 021 720301 6193219 CA 20131015 garmin 022 - 028, 719150 6187210 72040 6187063 724383 6186463 Option 2 724491 6186452 Option 1 724491 6186452 Option 1	80	burning clearing, mechanical 15m off road burning clearing, mechanical 15m off road Grazing Grazing Grazing Grazing Grazing Ploughed, cleared Ploughed, cleared Stock, natural Stock, natural Stock, natural	30/05/2013 Gulthul Sandplains and dunefields with mallee 30/05/2013 Gulthul Sandplains and dunefields with mallee 15/10/2013 Gulthul Sandplains and dunefields with mallee 15/10/2013 Rata Riverine plain with saltbush and bluebush 30/05/2013 Gulthul Sandplains and dunefields with mallee 30/05/2013 Condoulpe Sandplains and dunefields with mallee	Mallee Mallee Mallee Saltbush Plains Mallee Saltbush Plains Saltbush Plains Mallee	Sandplain Extensive plain between the Darling and Murrumbidgee Rivers. Sandplain Extensive plain between the Darling and Murrumbidgee Rivers. Sandplain Extensive plain between the Darling and Murrumbidgee Rivers. Alluvial plains Extensive plain between the Darling and Murrumbidgee Rivers. Alluvial plains Extensive plain between the Darling and Murrumbidgee Rivers. Alluvial plains Extensive saltbush plain with small subcircular depressions. Alluvial plains Extensive saltbush plain with small subcircular depressions. Sandplain Extensive saltbush plain with small subcircular depressions. Sandplain Extensive plain between the Darling and Murrumbidgee Rivers. Sandplain Sandplain between dunefields and the Riverine Plain near Balranald Sandplain Sandplain between dunefields and the Riverine Plain near Balranald Sandplain Sandplain between dunefields and the Riverine Plain near Balranald Sandplain Sandplain between dunefields and the Riverine Plain near Balranald
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3	716817 6187559	80	10 Level to very gently inclined	Cleared/Agricultural (crops, vineyards, weedy fallow)	burning, clearring, mechanical disturbance near track	30/05/2013 Gulthul	Sandplains and dunefields with mallee	Mallee	Sandplain Extensive plain between the Darling and Murrumbidgee Rivers.
3	716817 6187559	80	10 Level to very gently inclined	Cleared	burning, clearring, mechanical disturbance near track	30/05/2013 Gulthul	Sandplains and dunefields with mallee	Mallee	Sandplain Extensive plain between the Darling and Murrumbidgee Rivers.
4	717142 6187513 717142 6187513			Shrubs and grasses Cleared/Agricultural (crops, vineyards, weedy fallow)	burning, clearring, mechanical disturbance near track burning, clearring, mechanical disturbance near track	30/05/2013 Gulthul 30/05/2013 Gulthul	Sandplains and dunefields with mallee Sandplains and dunefields with mallee	Mallee Mallee	Sandplain Extensive plain between the Darling and Murrumbidgee Rivers.  Sandplain Extensive plain between the Darling and Murrumbidgee Rivers.
	717464 6187461			Shrubs and grasses	Burning, clearing	30/05/2013 Gulthul	Sandplains and dunefields with mallee	Mallee	Sandplain Extensive plain between the Darling and Murrumbidgee Rivers.
	717464 6187461			Cleared/Agricultural (crops, vineyards, weedy fallow)	Burning, clearing	30/05/2013 Gulthul	Sandplains and dunefields with mallee	Mallee	Sandplain Extensive plain between the Darling and Murrumbidgee Rivers.
	734732 6173925 734732 6173925			Cleared	Cleared, Ploughed Cleared, Ploughed		Sandplains and dunefields with mallee	Mallee	Sandplain   Sandplain between dunefields and the Riverine Plain near Balranald   Sandplain   Sandplain between dunefields and the Riverine Plain near Balranald
	717556 6187442			Cleared	Cleared, Ploughed	30/05/2013 Gulthul	Sandplains and dunefields with mallee	Mallee	Sandplain Extensive plain between the Darling and Murrumbidgee Rivers.
	717864 6198444			Shrubs and grasses	stock, natural	26/06/2013 Youhl	Riverine plain with saltbush and bluebush	Saltbush Plains	Playas and Basins Relict lakes adjacent to the Riverine Plain.
	717881 6198576		10 Level to very gently inclined		stock, natural	26/06/2013 Youhl	Riverine plain with saltbush and bluebush	Saltbush Plains	Playas and Basins Relict lakes adjacent to the Riverine Plain.
	719167 6206883 719167 6206883		20 Level to very gently inclined 20 Level to very gently inclined		natural, minor stock natural, minor stock	30/05/2013 Rata 30/05/2013 Rata	Riverine plain with saltbush and bluebush Riverine plain with saltbush and bluebush	Saltbush Plains Saltbush Plains	Alluvial plains Extensive saltbush plain with small subcircular depressions.  Alluvial plains Extensive saltbush plain with small subcircular depressions.
	734784 6174857		10 Level to very gently inclined		Cleared, Ploughed		Sandplains and dunefields with mallee	Mallee	Sandplain Sandplain between dunefields and the Riverine Plain near Balranald
	731040 6174451	80	<del></del>	Cleared	ploughed		Sandplains and dunefields with mallee	Mallee	Sandplain Sandplain between dunefields and the Riverine Plain near Balranald
1 cess Track	735656 6164552 Oct 2013 EA Survey 720427 6187126 Option 1	30		Grass, Mallee, Box	Used for rodeo, now cleared		Sandplains and dunefields with mallee	Mallee	Sandplain Sandplain between dunefields and the Riverine Plain near Balranald Sandplain Extensive plain between the Darling and Murrumbidgee Rivers.
cess Track	720427 6187126 Option 1 720413 6187059 Option 2	40	10 Level to very gently inclined	Shrubs and grasses Shrubs and grasses	waterpipe first 40m Natural, stock	30/05/2013 Gulthul 30/05/2013 Gulthul	Sandplains and dunefields with mallee Sandplains and dunefields with mallee	Mallee	Sandplain Extensive plain between the Darling and Murrumbidgee Rivers.  Sandplain Extensive plain between the Darling and Murrumbidgee Rivers.
cess Track	720427 6187126 Option 1		10 Level to very gently inclined		waterpipe first 40m	30/05/2013 Gulthul	Sandplains and dunefields with mallee	Mallee	Sandplain Extensive plain between the Darling and Murrumbidgee Rivers.
ess Track	720413 6187059 Option 2			Shrubs and grasses	Natural, stock	30/05/2013 Gulthul	Sandplains and dunefields with mallee	Mallee	Sandplain Extensive plain between the Darling and Murrumbidgee Rivers.
ommodation Facility Alternative UD BH 5	736649 6173704 Accommodation Facility 715351 6211045 Dec 2014 EA Survey			Cleared and oloughed Chenopod	Stock, natural Stock, natural	18991230 Condoulpe 18991230 Gulthul	Sandplains and dunefields with mallee Sandplains and dunefields with mallee	Mallee Mallee	Sandplain   Sandplain between dunefields and the Riverine Plain near Balranald   Sandplain   Extensive plain between the Darling and Murrumbidgee Rivers.
JD BH 5	715351 6211045 Dec 2014 EA Survey			Chenopod	Stock, natural	18991230 Hatfield	Undulating sandplains with bluebush	Belah and Bluebush	Sandplain Extensive undulating plains with bluebush
19	719812 6216224 Dec 2014 EA Survey	90	90 Level to very gently inclined	Pearl Bluebush Low Open Shrubland	Stock, natural	18991230 Marma	Scalded plains	Saltbush Plains	Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.
9	719812 6216224 Dec 2014 EA Survey 720817 6216062 Dec 2014 EA Survey			Pearl Bluebush Low Open Shrubland	Stock, natural Stock, natural	18991230 Rata 18991230 Rata	Riverine plain with saltbush and bluebush Riverine plain with saltbush and bluebush	Saltbush Plains Saltbush Plains	Alluvial plains Extensive saltbush plain with small subcircular depressions.  Alluvial plains Extensive saltbush plain with small subcircular depressions.
9	720817 6216062 Dec 2014 EA Survey 719812 6216224 Dec 2014 EA Survey			Pearl Bluebush Low Open Shrubland Pearl Bluebush Low Open Shrubland	Stock, natural	18991230 Rata 18991230 Marma	Scalded plains	Saltbush Plains	Alluvial plains Extensive saitbush plain with small subcircular depressions.  Alluvial plains Ill-defined scalded drainage tracts associated with the Riverine Plain.
19	720817 6216062 Dec 2014 EA Survey			Pearl Bluebush Low Open Shrubland	Stock, natural	18991230 Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains Extensive saltbush plain with small subcircular depressions.
8	720476 6216575 Dec 2014 EA Survey			Pearl Bluebush Low Open Shrubland	Stock, natural	18991230 Marma	Scalded plains	Saltbush Plains	Alluvial plains Ill-defined scalded drainage tracts associated with the Riverine Plain.
8	720476 6216575 Dec 2014 EA Survey			Pearl Bluebush Low Open Shrubland	Stock, natural	18991230 Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains Extensive saltbush plain with small subcircular depressions.
8	720476 6216575 Dec 2014 EA Survey 715815 6216895 Dec 2014 EA Survey			Pearl Bluebush Low Open Shrubland Chenopod	Stock, natural Stock, natural	18991230 Rata 18991230 Hatfield	Riverine plain with saltbush and bluebush Undulating sandplains with bluebush	Saltbush Plains Belah and Bluebush	Alluvial plains Extensive saltbush plain with small subcircular depressions.  Sandplain Extensive undulating plains with bluebush
	715815 6216895 Dec 2014 EA Survey			Chenopod	Stock, natural	18991230 Hatfield	Undulating sandplains with bluebush	Belah and Bluebush	Sandplain Extensive undulating plains with bluebush  Extensive undulating plains with bluebush
	717995 6216623 Dec 2014 EA Survey	80	60 Level to very gently inclined	Pearl Bluebush Low Open Shrubland	Stock, natural	18991230 Hatfield	Undulating sandplains with bluebush	Belah and Bluebush	Sandplain Extensive undulating plains with bluebush
	717995 6216623 Dec 2014 EA Survey 717995 6216623 Dec 2014 EA Survey			Pearl Bluebush Low Open Shrubland	Stock, natural	18991230 Marma	Scalded plains Scalded plains	Saltbush Plains Saltbush Plains	Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.
	717995 6216623 Dec 2014 EA Survey 717995 6216623 Dec 2014 EA Survey	<del> </del>		Pearl Bluebush Low Open Shrubland Pearl Bluebush Low Open Shrubland	Stock, natural Stock, natural	18991230 Marma 18991230 Marma	Scalded plains Scalded plains	Saltbush Plains Saltbush Plains	Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.  Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.
	717995 6216623 Dec 2014 EA Survey			Pearl Bluebush Low Open Shrubland	Stock, natural	18991230 Marma	Scalded plains	Saltbush Plains	Alluvial plains Ill-defined scalded drainage tracts associated with the Riverine Plain.  Alluvial plains Ill-defined scalded drainage tracts associated with the Riverine Plain.
	717995 6216623 Dec 2014 EA Survey	80	60 Level to very gently inclined	Pearl Bluebush Low Open Shrubland	Stock, natural	18991230 Hatfield	Undulating sandplains with bluebush	Belah and Bluebush	Sandplain Extensive undulating plains with bluebush
	716727 6213795 Dec 2014 EA Survey			Chenopod Sandplain Mallee Woodland	Stock, natural	18991230 Gulthul	Sandplains and dunefields with mallee	Mallee Balah and Blushush	Sandplain Extensive plain between the Darling and Murrumbidgee Rivers.
	716727 6213795 Dec 2014 EA Survey 713778 6214264 Dec 2014 EA Survey			Chenopod Sandplain Mallee Woodland Chenopod Sandplain Mallee Woodland	Stock, natural Stock, natural	18991230 Hatfield	Undulating sandplains with bluebush Undulating sandplains with bluebush	Belah and Bluebush Belah and Bluebush	Sandplain Extensive undulating plains with bluebush Sandplain Extensive undulating plains with bluebush
	713778 6214264 Dec 2014 EA Survey 711466 6214631 Dec 2014 EA Survey			Chenopod Sandplain Mallee Woodland Chenopod Sandplain Mallee Woodland	Stock, natural	18991230 Hatrield 18991230 Gulthul	Sandplains and dunefields with mallee	Mallee	Sandplain Extensive undulating plains with bluebush  Extensive plain between the Darling and Murrumbidgee Rivers.
	711466 6214631 Dec 2014 EA Survey	60	50 Level to very gently inclined	Chenopod Sandplain Mallee Woodland	Stock, natural	18991230 Hatfield	Undulating sandplains with bluebush	Belah and Bluebush	Sandplain Extensive undulating plains with bluebush
l	710857 6214277 Dec 2014 EA Survey			Chenopod Sandplain Mallee Woodland	Stock, natural	18991230 Gulthul	Sandplains and dunefields with mallee	Mallee	Sandplain Extensive plain between the Darling and Murrumbidgee Rivers.
l	710857 6214277 Dec 2014 EA Survey 716727 6213795 Dec 2014 EA Survey			Chenopod Sandplain Mallee Woodland Chenopod Sandplain Mallee Woodland	Stock, natural Stock, natural	18991230 Hatfield 18991230 Hatfield	Undulating sandplains with bluebush Undulating sandplains with bluebush	Belah and Bluebush Belah and Bluebush	Sandplain   Extensive undulating plains with bluebush   Sandplain   Extensive undulating plains with bluebush
	713778 6214264 Dec 2014 EA Survey			Chenopod Sandplain Mallee Woodland	Stock, natural	18991230 Hatfield	Undulating sandplains with bluebush	Belah and Bluebush	Sandplain Extensive undulating plains with bluebush
	716727 6213795 Dec 2014 EA Survey			Chenopod Sandplain Mallee Woodland	Stock, natural	18991230 Hatfield	Undulating sandplains with bluebush	Belah and Bluebush	Sandplain Extensive undulating plains with bluebush
	713778 6214264 Dec 2014 EA Survey			Chenopod Sandplain Mallee Woodland	Stock, natural	18991230 Hatfield	Undulating sandplains with bluebush	Belah and Bluebush	Sandplain Extensive undulating plains with bluebush
	711466 6214631 Dec 2014 EA Survey 711466 6214631 Dec 2014 EA Survey			Chenopod Sandplain Mallee Woodland Chenopod Sandplain Mallee Woodland	Stock, natural Stock, natural	18991230 Hatfield 18991230 Gulthul	Undulating sandplains with bluebush Sandplains and dunefields with mallee	Belah and Bluebush Mallee	Sandplain Extensive undulating plains with bluebush Sandplain Extensive plain between the Darling and Murrumbidgee Rivers.
	710857 6214277 Dec 2014 EA Survey			Chenopod Sandplain Mallee Woodland	Stock, natural	18991230 Gulthul	Sandplains and dunefields with mallee	Mallee	Sandplain Extensive plain between the Darling and Murrumbidgee Rivers.  Sandplain Extensive plain between the Darling and Murrumbidgee Rivers.
	708653 6215079 Dec 2014 EA Survey			Chenopod	Stock, natural	18991230 Gulthul	Sandplains and dunefields with mallee	Mallee	Sandplain Extensive plain between the Darling and Murrumbidgee Rivers.
<u> </u>	708653 6215079 Dec 2014 EA Survey			Chenopod	Stock, natural	18991230 Gulthul	Sandplains and dunefields with mallee	Mallee	Sandplain Extensive plain between the Darling and Murrumbidgee Rivers.
	709606 6211971 Dec 2014 EA Survey 710384 6211397 Dec 2014 EA Survey			Chenopod Chenopod	Stock, natural	18991230 Gulthul	Sandplains and dunefields with mallee Sandplains and dunefields with mallee	Mallee	Sandplain   Extensive plain between the Darling and Murrumbidgee Rivers.
<u></u>	710384 6211397 Dec 2014 EA Survey		<del></del>	Chenopod	Stock, natural	18991230 Hatfield	Undulating sandplains with bluebush	Belah and Bluebush	Sandplain Extensive undulating plains with bluebush
	710384 6211397 Dec 2014 EA Survey			Chenopod	Stock, natural	18991230 Gulthul	Sandplains and dunefields with mallee	Mallee	Sandplain Extensive plain between the Darling and Murrumbidgee Rivers.
	710384 6211397 Dec 2014 EA Survey		50 Level to very gently inclined	Chenopod	Stock, natural	18991230 Hatfield	Undulating sandplains with bluebush	Belah and Bluebush	Sandplain Extensive undulating plains with bluebush
	722807 6216196 Dec 2014 EA Survey 722807 6216196 Dec 2014 EA Survey		<del>-                                </del>	Chenopod	Stock, natural Stock, natural	18991230 Marma 18991230 Rata	Scalded plains Riverine plain with saltbush and bluebush	Saltbush Plains Saltbush Plains	Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.  Alluvial plains Extensive saltbush plain with small subcircular depressions.
)	722807 6216196 Dec 2014 EA Survey		90 Level to very gently inclined		Stock, natural	18991230 Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains Extensive saltbush plain with small subcircular depressions.  Extensive saltbush plain with small subcircular depressions.
13	723502 6189616			Pearl Bluebush Low Open Shrubland	Stock, natural	15/10/2013 Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains Extensive saltbush plain with small subcircular depressions.
13	723529 6189571 CA 20131015 garmin 032 - 037	40		Pearl Bluebush Low Open Shrubland	Stock, natural	15/10/2013 Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains Extensive saltbush plain with small subcircular depressions.
13	723597 6189508 CA 20131015 garmin 031; 038 - 723597 6189508 CA 20131015 garmin 031; 038 -	40		Pearl Bluebush Low Open Shrubland	Stock, natural Stock, natural	15/10/2013 Rata 15/10/2013 Rata	Riverine plain with saltbush and bluebush Riverine plain with saltbush and bluebush	Saltbush Plains Saltbush Plains	Alluvial plains Extensive saltbush plain with small subcircular depressions.  Alluvial plains Extensive saltbush plain with small subcircular depressions.
3	723597 6189508 CA 20131015 garmin 031; 038 -			Pearl Bluebush Low Open Shrubland Pearl Bluebush Low Open Shrubland	Stock, natural	15/10/2013 Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains Extensive saltbush plain with small subcircular depressions.
3	723197 6190055		20 Level to very gently inclined		Stock, natural	26/06/2013 Marma	Scalded plains	Saltbush Plains	Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.
3	723197 6190055		20 Level to very gently inclined		Stock, natural	26/06/2013 Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains Extensive saltbush plain with small subcircular depressions.
13	723371 6189782		<del></del>	Chenopod, belah, grasses	Stock, natural	26/06/2013 Rata	Riverine plain with saltbush and bluebush Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains Extensive saltbush plain with small subcircular depressions.
3	723197 6190055 723197 6190055			Chenopod, belah, grasses Chenopod, belah, grasses	Stock, natural Stock, natural	26/06/2013 Rata 26/06/2013 Rata	Riverine plain with saltbush and bluebush	Saltbush Plains Saltbush Plains	Alluvial plains Extensive saltbush plain with small subcircular depressions.  Alluvial plains Extensive saltbush plain with small subcircular depressions.
13	723371 6189782	40	20 Level to very gently inclined	Pearl Bluebush Low Open Shrubland	Stock, natural	26/06/2013 Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains Extensive saltbush plain with small subcircular depressions.
3	723371 6189782			Pearl Bluebush Low Open Shrubland	Stock, natural	26/06/2013 Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains Extensive saltbush plain with small subcircular depressions.
3	723197 6190055 723197 6190055			Pearl Bluebush Low Open Shrubland	Stock, natural	26/06/2013 Rata	Riverine plain with saltbush and bluebush Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains Extensive saltbush plain with small subcircular depressions.
3	723197 6190055 723197 6190055			Pearl Bluebush Low Open Shrubland Pearl Bluebush Low Open Shrubland	Stock, natural Stock, natural	26/06/2013 Rata 26/06/2013 Rata	Riverine plain with saltbush and bluebush Riverine plain with saltbush and bluebush	Saltbush Plains Saltbush Plains	Alluvial plains Extensive saltbush plain with small subcircular depressions.  Alluvial plains Extensive saltbush plain with small subcircular depressions.
3	723197 6190055	<del> </del>		Pearl Bluebush Low Open Shrubland	Stock, natural	26/06/2013 Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains Extensive saltbush plain with small subcircular depressions.
3	723197 6190055	40	20 Level to very gently inclined	Pearl Bluebush Low Open Shrubland	Stock, natural	26/06/2013 Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains Extensive saltbush plain with small subcircular depressions.
3	723487 6189388 723197 6190055			Pearl Bluebush Low Open Shrubland Pearl Bluebush Low Open Shrubland	Stock, natural Stock, natural	1/11/2013 Rata 26/06/2013 Rata	Riverine plain with saltbush and bluebush Riverine plain with saltbush and bluebush	Saltbush Plains Saltbush Plains	Alluvial plains Extensive saltbush plain with small subcircular depressions.  Alluvial plains Extensive saltbush plain with small subcircular depressions.
3	723197 6190055 723197 6190055			Pearl Bluebush Low Open Shrubland Pearl Bluebush Low Open Shrubland	Stock, natural Stock, natural	26/06/2013 Rata 26/06/2013 Rata	Riverine plain with saltbush and bluebush Riverine plain with saltbush and bluebush	Saltbush Plains Saltbush Plains	Alluvial plains Extensive saltbush plain with small subcircular depressions.  Alluvial plains Extensive saltbush plain with small subcircular depressions.
3	723197 6190055			Pearl Bluebush Low Open Shrubland	Stock, natural	26/06/2013 Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains Extensive saltbush plain with small subcircular depressions.
3	723487 6189388	40	20 Level to very gently inclined	Pearl Bluebush Low Open Shrubland	Stock, natural	1/11/2013 Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains Extensive saltbush plain with small subcircular depressions.
3	723371 6189782			Shrubs and grasses	Stock, natural	26/06/2013 Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains Extensive saltbush plain with small subcircular depressions.
3	723197 6190055 723487 6189388		20 Level to very gently inclined 20 Level to very gently inclined	Shrubs and grasses Pearl Bluebush Low Open Shrubland	Stock, natural Stock, natural	26/06/2013 Rata 1/11/2013 Rata	Riverine plain with saltbush and bluebush Riverine plain with saltbush and bluebush	Saltbush Plains Saltbush Plains	Alluvial plains Extensive saltbush plain with small subcircular depressions.  Alluvial plains Extensive saltbush plain with small subcircular depressions.
ARI 1	719478 6216492 Oct 2013 EA Survey	I		Pearl Bluebush Low Open Shrubland	Stock, natural	28/10/2013 Marma	Scalded plains	Saltbush Plains	Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.
ARI 1	719478 6216492 Oct 2013 EA Survey	60	40 Level to very gently inclined	Pearl Bluebush Low Open Shrubland	Stock, natural	28/10/2013 Marma	Scalded plains	Saltbush Plains	Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.
1	718984 6205575 Oct 2013 EA Survey			Pearl Bluebush Low Open Shrubland	Stock, natural	28/10/2013 Marma	Scalded plains	Saltbush Plains	Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.
	715617 6208220 Groundwater Dependent Ecosys 715617 6208220 Groundwater Dependent Ecosys			Bluebush, Box Trees Bluebush, Box Trees	Stock, natural Stock, natural	12/03/2014 Rata 12/03/2014 Rata	Riverine plain with saltbush and bluebush Riverine plain with saltbush and bluebush	Saltbush Plains Saltbush Plains	Alluvial plains Extensive saltbush plain with small subcircular depressions.  Alluvial plains Extensive saltbush plain with small subcircular depressions.
				Bluebush, Box Trees	Stock, natural	12/03/2014 Nata	Riverine plain with saltbush and bluebush	Saltbush Plains	Playas and Basins Relict lakes adjacent to the Riverine Plain.
	718137 6200137 Groundwater Dependent Ecosys		TO LEVEL TO VELY BELLEY INCINICA		Stock, natural	12/03/2014 Youhl	Riverine plain with saltbush and bluebush	Saltbush Plains	Playas and Basins Relict lakes adjacent to the Riverine Plain.
	718137 6200137 Groundwater Dependent Ecosys 718178 6197647 Groundwater Dependent Ecosys	90 60	5 Level to very gently inclined	Bluebush, Box Trees	T			Saltbush Plains	Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.
	718137 6200137 Groundwater Dependent Ecosys 718178 6197647 Groundwater Dependent Ecosys 719011 6205977 CA 20131015 garmin 030, BWR	90 60 60	5 Level to very gently inclined 40 Level to very gently inclined	Chenopod	Stock, natural	15/10/2013 Marma	Scalded plains		
	718137 6200137 Groundwater Dependent Ecosys 718178 6197647 Groundwater Dependent Ecosys 719011 6205977 (A 20131015 garmin 030, BWR 719011 6205977 (A 20131015 garmin 030, BWR	90 60 60 60	5 Level to very gently inclined 40 Level to very gently inclined 40 Level to very gently inclined	Chenopod Chenopod	Stock, natural Stock, natural Stock, natural	15/10/2013 Marma	Scalded plains Scalded plains Scalded plains	Saltbush Plains	Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.
3 Area 2 - 1	718137 6200137 Groundwater Dependent Ecosys 718178 6197647 Groundwater Dependent Ecosys 719011 6205977 CA 20131015 garmin 030, BWR	90 60 60 60 60	5 Level to very gently inclined 40 Level to very gently inclined 40 Level to very gently inclined 50 Level to very gently inclined	Chenopod	Stock, natural		Scalded plains		Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.
1 2 3 1 1 B Area 2 - 1 B Area 2 - 1 B Area 2 - 1	718177 6200137 Groundwater Dependent Ecosys 718178 6197647 Groundwater Dependent Ecosys 719011 6205977 CA 20131015 garmin 030, BWR 719015 6205977 CA 20131015 garmin 030, BWR 716525 6202121 Oct 2014 EA Survey 716525 6202121 Oct 2014 EA Survey 716525 6202121 Oct 2014 EA Survey	90 60 60 60 60 60 60	5 Level to very gently inclined 40 Level to very gently inclined 40 Level to very gently inclined 50 Level to very gently inclined	Chenopod Chenopod Chenopod	Stock, natural Stock, natural Stock, natural Stock, natural	15/10/2013 Marma 18991230 Marma 18991230 Rata 30/10/2013 Marma	Scalded plains Scalded plains Riverine plain with saltbush and bluebush Scalded plains	Saltbush Plains Saltbush Plains Saltbush Plains Saltbush Plains	Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.  Alluvial plains IIII-defined scalded drainage tracts associated with the Riverine Plain.  Alluvial plains Extensive saltbush plain with small subcircular depressions.  Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.
1 2 3 8 Area 2 - 1 8 Area 2 - 1 8 Area 2 - 1	718137 6200137 Groundwater Dependent Ecosys 718178 6197647 Groundwater Dependent Ecosys 719011 6205977 CA 20131015 garmin 030, BWR 719011 6205977 CA 20131015 garmin 030, BWR 716525 6202121 Oct 2014 EA Survey 716525 6202121 Oct 2014 EA Survey 716525 6202121 Oct 2014 EA Survey 716525 6202121 Oct 2014 EA Survey	90 60 60 60 60 60 60 60	5 Level to very gently inclined 40 Level to very gently inclined 40 Level to very gently inclined 50 Level to very gently inclined	Chenopod Chenopod Chenopod Chenopod Chenopod Chenopod Chenopod Chenopod	Stock, natural Stock, natural Stock, natural Stock, natural Stock, natural	15/10/2013 Marma 18991230 Marma 18991230 Rata 30/10/2013 Marma 30/10/2013 Marma	Scalded plains Scalded plains Riverine plain with saltbush and bluebush Scalded plains Scalded plains	Saltbush Plains Saltbush Plains Saltbush Plains Saltbush Plains Saltbush Plains	Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain. Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain. Alluvial plains Extensive saltbush plain with small subcircular depressions. Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain. Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.
3 Area 2 - 1 3 Area 2 - 1 3 Area 2 - 1 3 Area 2 - 1 3 Area 2 - 1 5 Area 2 - 2	718137 6200137 Groundwater Dependent Ecosys 718178 6197647 Groundwater Dependent Ecosys 719011 6205977 (2 A 20131015 garmin 030, BWR 719612 6205977 (A 20131015 garmin 030, BWR 716525 6202121 Oct 2014 EA Survey 716525 6202121 Oct 2014 EA Survey	90 60 60 60 60 60 60 60 60	S Level to very gently inclined 40 Level to very gently inclined 40 Level to very gently inclined 50 Level to very gently inclined	Chenopod	Stock, natural Stock, natural Stock, natural Stock, natural Stock, natural Stock, natural	15/10/2013 Marma 18991230 Marma 18991230 Rata 30/10/2013 Marma 30/10/2013 Marma 18991230 Gulthul	Scalded plains Scalded plains Riverine plain with saltbush and bluebush Scalded plains Scalded plains Scalded plains Scandplains and dunefields with mallee	Saltbush Plains Saltbush Plains Saltbush Plains Saltbush Plains Saltbush Plains Mallee	Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.  Alluvial plains Alluvial plains Extensive saltbush plain with small subcircular depressions.  Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.  Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.  Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.  Extensive plain between the Darling and Murrumbidgee Rivers.
1 2 3 8 Area 2 - 1 8 Area 2 - 1 8 Area 2 - 1 8 Area 2 - 1 8 Area 2 - 2 8 Area 2 - 2	718137 6200137 Groundwater Dependent Ecosys 718178 6197647 Groundwater Dependent Ecosys 719011 6205977 CA 20131015 garmin 030, BWR 719011 6205977 CA 20131015 garmin 030, BWR 716525 6202121 Oct 2014 EA Survey 716525 6202121 Oct 2014 EA Survey 716525 6202121 Oct 2014 EA Survey 716525 6202121 Oct 2014 EA Survey	90 60 60 60 60 60 60 60 60 60	5 Level to very gently inclined 40 Level to very gently inclined 40 Level to very gently inclined 50 Level to very gently inclined	Chenopod Chenopod Chenopod Chenopod Chenopod Chenopod Chenopod Chenopod	Stock, natural Stock, natural Stock, natural Stock, natural Stock, natural	15/10/2013 Marma 18991230 Marma 18991230 Rata 30/10/2013 Marma 30/10/2013 Marma 18991230 Gulthul 18991230 Marma	Scalded plains Scalded plains Riverine plain with saltbush and bluebush Scalded plains Scalded plains	Saltbush Plains Saltbush Plains Saltbush Plains Saltbush Plains Saltbush Plains	Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.  Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.  Alluvial plains Extensive saltbush plain with small subcircular depressions.  Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.  Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.  Sandplain Extensive plain between the Darling and Murrumbidgee Rivers.  Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.
1 2 2 3 4 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	718177 6200137 Groundwater Dependent Ecosys 718178 6197647 Groundwater Dependent Ecosys 719011 6205977 CA 20131015 garmin 030, BWR 719011 6205977 CA 20131015 garmin 030, BWR 716525 6202121 Oct 2014 EA Survey 716525 6202121 Oct 2014 EA Survey 716525 6202121 Oct 2014 EA Survey 716526 6202121 Oct 2014 EA Survey 716380 6202630 Oct 2014 EA Survey 713380 6202630 Oct 2014 EA Survey 713380 6202630 Oct 2014 EA Survey	90 60 60 60 60 60 60 60 60 60 60	S Level to very gently inclined 40 Level to very gently inclined 40 Level to very gently inclined 50 Level to very gently inclined	Chenopod	Stock, natural	15/10/2013 Marma 18991230 Marma 18991230 Rata 30/10/2013 Marma 30/10/2013 Marma 18991230 Gulthul	Scalded plains Scalded plains Riverine plain with saltbush and bluebush Scalded plains Scalded plains Scalded plains Scandplains and dunefields with mallee Scalded plains	Saltbush Plains Saltbush Plains Saltbush Plains Saltbush Plains Saltbush Plains Mallee Saltbush Plains	Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain. Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain. Alluvial plains Extensive saltbush plain with small subcircular depressions. Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain. Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain. Sandplain Extensive plain between the Darling and Murrumbidgee Rivers. Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.
1 1 2 3 3 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	718137 6200137 Groundwater Dependent Ecosy: 718178 6197647 Groundwater Dependent Ecosy: 719011 6205977 CA 20131015 garmin 030, BWR 719011 6205977 CA 20131015 garmin 030, BWR 716525 6202121 Oct 2014 EA Survey 716525 6202121 Oct 2014 EA Survey 716525 6202121 Oct 2014 EA Survey 716526 6202121 Oct 2014 EA Survey 716526 6202121 Oct 2014 EA Survey 713380 6202630 Oct 2014 EA Survey	90 60 60 60 60 60 60 60 60 60 60 60 60	5 Level to very gently inclined 40 Level to very gently inclined 40 Level to very gently inclined 50 Level to very gently inclined	Chenopod	Stock, natural	15/10/2013 Marma 18991230 Marma 18991230 Rata 30/10/2013 Marma 30/10/2013 Marma 18991230 Gulthul 18991230 Marma 18991230 Marma 18991230 Marma 18991230 Gulthul	Scalded plains Scalded plains Riverine plain with saltbush and bluebush Scalded plains Scalded plains Scalded plains Scandplains and dunefields with mallee Scalded plains Riverine plain with saltbush and bluebush Scalded plains Scalded plains	Saltbush Plains Saltbush Plains Saltbush Plains Saltbush Plains Saltbush Plains Saltbush Plains Mallee Saltbush Plains Saltbush Plains Saltbush Plains Saltbush Plains Mallee	Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.  Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.  Alluvial plains Extensive saltbush plain with small subcircular depressions.  Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.  Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.  Extensive plain between the Darling and Murrumbidgee Rivers.  Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.  Alluvial plains Extensive saltbush plain with small subcircular depressions.  III-defined scalded drainage tracts associated with the Riverine Plain.  Extensive plain between the Darling and Murrumbidgee Rivers.  Extensive plain between the Darling and Murrumbidgee Rivers.
1 2 2 3 8 Area 2 - 1 8 Area 2 - 2 8 Area 2 - 3	718137 6200137 Groundwater Dependent Ecosy: 718178 619764 Groundwater Dependent Ecosy: 719011 6205977 CA 20131015 garmin 030, BWR 719011 6205977 CA 20131015 garmin 030, BWR 719615 6202121 Oct 2014 EA Survey 716525 6202121 Oct 2014 EA Survey 716380 6202630 Oct 2014 EA Survey 713380 6202630 Oct 2014 EA Survey 713380 6202630 Oct 2014 EA Survey 713483 6202580 Oct 2014 EA Survey	90 60 60 60 60 60 60 60 60 60 60 60 60 60	S Level to very gently inclined 40 Level to very gently inclined 40 Level to very gently inclined 50 Level to very gently inclined	Chenopod	Stock, natural	15/10/2013 Marma 18991230 Marma 18991230 Rata 30/10/2013 Marma 18991230 Gulthul 18991230 Gulthul 18991230 Marma 18991230 Marma 18991230 Rata 30/10/2013 Marma 18991230 Gulthul	Scalded plains Scalded plains Scalded plains Riverine plain with saltbush and bluebush Scalded plains Scalded plains Sandplains and dunefields with mallee Scalded plains Riverine plain with saltbush and bluebush Scalded plains Scalded plains Scalded plains Scalded plains Scalded plains	Saltbush Plains Saltbush Plains Saltbush Plains Saltbush Plains Saltbush Plains Saltbush Plains Mallee Saltbush Plains Saltbush Plains Saltbush Plains Saltbush Plains Saltbush Plains Saltbush Plains	Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain. Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain. Extensive saltbush plain with small subcircular depressions. III-defined scalded drainage tracts associated with the Riverine Plain. Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain. Sandplain Extensive plain between the Darling and Murrumbidgee Rivers. IIII-defined scalded drainage tracts associated with the Riverine Plain. Alluvial plains Extensive saltbush plain with small subcircular depressions. Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain. Sandplain Extensive plain between the Darling and Murrumbidgee Rivers. Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain. Sandplain Extensive plain between the Darling and Murrumbidgee Rivers. Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.
1 2 2 3 8 Area 2 - 1 8 Area 2 - 2 8 Area 2 - 3	718137 6200137 Groundwater Dependent Ecosy: 718178 6197647 Groundwater Dependent Ecosy: 719011 6205977 (2 A 20131015 garmin 030, BWR 719011 6205977 (A 20131015 garmin 030, BWR 716525 6202121 Oct 2014 EA Survey 716526 6202121 Oct 2014 EA Survey 713380 6202630 Oct 2014 EA Survey 713380 6202630 Oct 2014 EA Survey 713380 6202630 Oct 2014 EA Survey 713483 6202380 Oct 2014 EA Survey 713483 6202386 Oct 2014 EA Survey 713483 6202386 Oct 2014 EA Survey 713483 6202386 Oct 2014 EA Survey	90 60 60 60 60 60 60 60 60 60 60 60 60 60	5 Level to very gently inclined 40 Level to very gently inclined 40 Level to very gently inclined 50 Level to very gently inclined	Chenopod	Stock, natural	15/10/2013 Marma 18991230 Rata 30/10/2013 Marma 30/10/2013 Marma 30/10/2013 Marma 18991230 Gulthul 18991230 Rata 30/10/2013 Marma 18991230 Rata 30/10/2013 Marma 18991230 Gulthul 18991230 Rata	Scalded plains Scalded plains Riverine plain with saltbush and bluebush Scalded plains Scalded plains Scalded plains Scalded plains Scalded plains Riverine plain with saltbush and bluebush Scalded plains Scalded plains Scalded plains Scalded plains Scalded plains Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain. Alluvial plains Extensive saltbush plain with small subcircular depressions. Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain. Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain. Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain. Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain. Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain. Sandplain Extensive plain between the Darling and Murrumbidgee Rivers. Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain. Sandplain Extensive plain between the Darling and Murrumbidgee Rivers. Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain. Extensive plain between the Darling and Murrumbidgee Rivers. Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain. Extensive plain between the Darling and Murrumbidgee Rivers.
1 2 2 3 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	718137 6200137 Groundwater Dependent Ecosy: 718178 619764 Groundwater Dependent Ecosy: 719011 6205977 CA 20131015 garmin 030, BWR 719011 6205977 CA 20131015 garmin 030, BWR 719615 6202121 Oct 2014 EA Survey 716525 6202121 Oct 2014 EA Survey 716525 6202121 Oct 2014 EA Survey 716525 6202121 Oct 2014 EA Survey 716330 6202630 Oct 2014 EA Survey 713380 6202630 Oct 2014 EA Survey 713380 6202630 Oct 2014 EA Survey 713380 6202630 Oct 2014 EA Survey 713483 6202380 Oct 2014 EA Survey 713483 6202386 Oct 2014 EA Survey	90 60 60 60 60 60 60 60 60 60 60 60 60 60	S Level to very gently inclined 40 Level to very gently inclined 40 Level to very gently inclined 50 Level to very gently inclined	Chenopod	Stock, natural	15/10/2013 Marma 18991230 Marma 18991230 Rata 30/10/2013 Marma 18991230 Gulthul 18991230 Gulthul 18991230 Marma 18991230 Marma 18991230 Rata 30/10/2013 Marma 18991230 Gulthul	Scalded plains Scalded plains Scalded plains Riverine plain with saltbush and bluebush Scalded plains Scalded plains Sandplains and dunefields with mallee Scalded plains Riverine plain with saltbush and bluebush Scalded plains Scalded plains Scalded plains Scalded plains Scalded plains	Saltbush Plains Saltbush Plains Saltbush Plains Saltbush Plains Saltbush Plains Saltbush Plains Mallee Saltbush Plains Saltbush Plains Saltbush Plains Saltbush Plains Saltbush Plains Saltbush Plains	Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain. Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain. Alluvial plains Extensive saltbush plain with small subcircular depressions. Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain. Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain. Sandplain Extensive plain between the Darling and Murrumbidgee Rivers. Alluvial plains Extensive saltbush plain with small subcircular depressions. Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain. Sandplain III-defined scalded drainage tracts associated with the Riverine Plain. Sandplain III-defined scalded drainage tracts associated with the Riverine Plain. Sandplain III-defined scalded drainage tracts associated with the Riverine Plain. Sandplain III-defined scalded drainage tracts associated with the Riverine Plain.
1 2 2 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	718137 6200137 Groundwater Dependent Ecosy: 718178 6197647 Groundwater Dependent Ecosy: 719011 6205977 CA 20131015 garmin 030, BWR 719011 6205977 CA 20131015 garmin 030, BWR 716525 6202121 Oct 2014 EA Survey 716526 6202121 Oct 2014 EA Survey 713380 6202630 Oct 2014 EA Survey 713380 6202630 Oct 2014 EA Survey 713380 6202630 Oct 2014 EA Survey 713483 6202386 Oct 2014 EA Survey	90 60 60 60 60 60 60 60 60 60 60 60 60 60	5 Level to very gently inclined 40 Level to very gently inclined 40 Level to very gently inclined 50 Level to very gently inclined	Chenopod	Stock, natural	15/10/2013 Marma 18991230 Marma 18991230 Rata 30/10/2013 Marma 30/10/2013 Marma 18991230 Guthul 18991230 Marma 18991230 Gulthul 18991230 Gulthul 18991230 Gulthul 18991230 Marma 18991230 Marma 18991230 Marma 18991230 Marma	Scalded plains Scalded plains Riverine plain with saltbush and bluebush Scalded plains Scalded plains Scalded plains Scalded plains Scalded plains Scalded plains Riverine plain with saltbush and bluebush Scalded plains	Saltbush Plains Saltbush Plains Saltbush Plains Saltbush Plains Saltbush Plains Mallee Saltbush Plains Saltbush Plains Saltbush Plains Saltbush Plains Saltbush Plains Mallee Saltbush Plains Saltbush Plains Saltbush Plains	Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.  Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.  Alluvial plains Extensive saltbush plain with small subcircular depressions.  Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.  Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.  Extensive plain between the Darling and Murrumbidgee Rivers.  Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.  Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.  Sandplain Extensive plain between the Darling and Murrumbidgee Rivers.  Alluvial plains IIII-defined scalded drainage tracts associated with the Riverine Plain.  Sandplain Extensive plain between the Darling and Murrumbidgee Rivers.  Alluvial plains IIII-defined scalded drainage tracts associated with the Riverine Plain.  Alluvial plains IIII-defined scalded drainage tracts associated with the Riverine Plain.  Alluvial plains IIII-defined scalded drainage tracts associated with the Riverine Plain.  Alluvial plains IIII-defined scalded drainage tracts associated with the Riverine Plain.

GWRB Area 2 - 4						
GWRB Area 2 - 4	710496 6202978 Oct 2014 EA Survey 710496 6202978 Oct 2014 EA Survey	60         50 Level to very gently inclined         Chenopod           60         50 Level to very gently inclined         Chenopod	Stock, natural Stock, natural	30/10/2013 Marma Scalded plains 30/10/2013 Rata Riverine plain with saltbush and bluebush	Saltbush Plains Saltbush Plains	Alluvial plains Ill-defined scalded drainage tracts associated with the Riverine Plain.  Alluvial plains Extensive saltbush plain with small subcircular depressions.
GWRB Area 2 - 5	710496 6202978 Oct 2014 EA Survey	60 50 Level to very gently inclined Chenopod	Stock, natural	18991230 Marma Scalded plains	Saltbush Plains	Alluvial plains   Extensive salcoush plain with small subcircular depressions.   Alluvial plains   Ill-defined scalded drainage tracts associated with the Riverine Plain.
GWRB Area 2 - 5	710467 6202862 Oct 2014 EA Survey	60 50 Level to very gently inclined Chenopod	Stock, natural	18991230 Rata Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains Extensive saltbush plain with small subcircular depressions.
GWRB Area 2 - 5	710467 6202862 Oct 2014 EA Survey	60 50 Level to very gently inclined Chenopod	Stock, natural	30/10/2013 Marma Scalded plains	Saltbush Plains	Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.
GWRB Area 2 - 5	710467 6202862 Oct 2014 EA Survey	60 50 Level to very gently inclined Chenopod	Stock, natural	30/10/2013 Rata Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains Extensive saltbush plain with small subcircular depressions.
GWRB Area 2 - 6 GWRB Area 2 - 7	706221 6203613 Oct 2014 EA Survey 706511 6203633 Oct 2014 EA Survey	60         50 Level to very gently inclined         Chenopod           60         50 Level to very gently inclined         Chenopod	Stock, natural	18991230 Gulthul Sandplains and dunefields with mallee 18991230 Gulthul Sandplains and dunefields with mallee	Mallee Mallee	Sandplain Extensive plain between the Darling and Murrumbidgee Rivers.  Sandplain Extensive plain between the Darling and Murrumbidgee Rivers.
GWRB Area 2 - 8	708852 6203125 Oct 2014 EA Survey	60 50 Level to very gently inclined Chenopod	Stock, natural	18991230 Gulthul Sandplains and dunefields with mallee	Mallee	Sandplain Extensive plain between the Darling and Murrumbidgee Rivers.
GWRB Area 2 - 8	708852 6203125 Oct 2014 EA Survey	60 50 Level to very gently inclined Chenopod	Stock, natural	18991230 Marma Scalded plains	Saltbush Plains	Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.
GWRB Area 2 - 9	708910 6203330 Oct 2014 EA Survey	60 50 Level to very gently inclined Chenopod	Stock, natural	18991230 Gulthul Sandplains and dunefields with mallee	Mallee	Sandplain Extensive plain between the Darling and Murrumbidgee Rivers.
GWRB Area 2 - 9 GWRB Area 2 - 9	708910 6203330 Oct 2014 EA Survey 708910 6203330 Oct 2014 EA Survey	60         50 Level to very gently inclined         Chenopod           60         50 Level to very gently inclined         Chenopod	Stock, natural Stock, natural	18991230   Marma   Scalded plains     30/10/2013   Marma   Scalded plains	Saltbush Plains Saltbush Plains	Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.  Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.
GWRB Area 3 - 1	714468 6205094 Oct 2014 EA Survey	70 50 Level to very gently inclined Chenopod	Stock, natural	18991230 Marma Scalded plains	Saltbush Plains	Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.
GWRB Area 3 - 1	714468 6205094 Oct 2014 EA Survey	70 50 Level to very gently inclined Bladder Saltbush Low Open Shrubland	Stock, natural	18991230 Rata Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains Extensive saltbush plain with small subcircular depressions.
GWRB Area 3 - 1	714468 6205094 Oct 2014 EA Survey	70 50 Level to very gently inclined Bladder Saltbush Low Open Shrubland	Stock, natural	12/03/2014 Marma Scalded plains	Saltbush Plains	Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.
GWRB Area 3 - 2 GWRB Area 3 - 2	714524 6205395 Oct 2014 EA Survey 714524 6205395 Oct 2014 EA Survey	70 50 Level to very gently inclined Bladder Saltbush Low Open Shrubland 70 50 Level to very gently inclined Bladder Saltbush Low Open Shrubland	Stock, natural	18991230 Marma Scalded plains 18991230 Marma Scalded plains	Saltbush Plains Saltbush Plains	Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.  Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.
GWRB Area 3 - 2	714524 6205395 Oct 2014 EA Survey	70 50 Level to very gently inclined Bladder Saltbush Low Open Shrubland  70 50 Level to very gently inclined Bladder Saltbush Low Open Shrubland	Stock, natural	18991230 Rata Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains Extensive saltbush plain with small subcircular depressions.
GWRB Area 3 - 2	714524 6205395 Oct 2014 EA Survey	70 50 Level to very gently inclined Bladder Saltbush Low Open Shrubland	Stock, natural	18991230 Rata Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains Extensive saltbush plain with small subcircular depressions.
GWRB Area 3 - 3	710781 6205990 Oct 2014 EA Survey	70 50 Level to very gently inclined Bladder Saltbush Low Open Shrubland	Stock, natural	18991230 Gulthul Sandplains and dunefields with mallee	Mallee	Sandplain Extensive plain between the Darling and Murrumbidgee Rivers.
GWRB Area 3 - 3	710781 6205990 Oct 2014 EA Survey 710781 6205990 Oct 2014 FA Survey	70 50 Level to very gently inclined Bladder Saltbush Low Open Shrubland	Stock, natural	18991230 Marma Scalded plains	Saltbush Plains	Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.
GWRB Area 3 - 3 GWRB Area 3 - 4	710781 6205990 Oct 2014 EA Survey 717335 6204948 Oct 2014 EA Survey	70 50 Level to very gently inclined Bladder Saltbush Low Open Shrubland 70 50 Level to very gently inclined Bladder Saltbush Low Open Shrubland	Stock, natural Stock, natural	18991230   Marma   Scalded plains   18991230   Marma   Scalded plains	Saltbush Plains Saltbush Plains	Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.  Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.
GWRB Area 3 - 4	717335 6204948 Oct 2014 EA Survey	70 50 Level to very gently inclined Bladder Saltbush Low Open Shrubland	Stock, natural	18991230 Rata Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains Extensive saltbush plain with small subcircular depressions.
GWRB Area 3 - 4	717335 6204948 Oct 2014 EA Survey	70 50 Level to very gently inclined Bladder Saltbush Low Open Shrubland	Stock, natural	18991230 Rata Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains Extensive saltbush plain with small subcircular depressions.
GWRB Area 3 - 4	717335 6204948 Oct 2014 EA Survey	70 50 Level to very gently inclined Bladder Saltbush Low Open Shrubland	Stock, natural	30/10/2013 Marma Scalded plains	Saltbush Plains	Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.
GWRB Area 3 - 4 GWRB Area 3 - 5	717335 6204948 Oct 2014 EA Survey 710756 6205695 Oct 2014 EA Survey	70 50 Level to very gently inclined Bladder Saltbush Low Open Shrubland 70 50 Level to very gently inclined Flat Open Claypan / Derived Sparse Shrubland	Stock, natural Stock, natural	18991230 Rata Riverine plain with saltbush and bluebush 18991230 Gulthul Sandplains and dunefields with mallee	Saltbush Plains Mallee	Alluvial plains Extensive saltbush plain with small subcircular depressions.  Sandplain Extensive plain between the Darling and Murrumbidgee Rivers.
GWRB Area 3 - 5	710756 6205695 Oct 2014 EA Survey	70 50 Level to very gently inclined Flat Open Claypan / Derived Sparse Shrubland	Stock, natural	18991230 Marma Scalded plains	Saltbush Plains	Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.
GWRB Area 3 - 5	710756 6205695 Oct 2014 EA Survey	70 50 Level to very gently inclined Flat Open Claypan / Derived Sparse Shrubland	Stock, natural	18991230 Marma Scalded plains	Saltbush Plains	Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.
GWRB Area 3 - 6	711604 6205551 Oct 2014 EA Survey	70 50 Level to very gently inclined Flat Open Claypan / Derived Sparse Shrubland	Stock, natural	18991230 Marma Scalded plains	Saltbush Plains	Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.
GWRB Area 3 - 6	711604 6205551 Oct 2014 EA Survey	70 50 Level to very gently inclined Flat Open Claypan / Derived Sparse Shrubland	Stock, natural	18991230 Marma Scalded plains	Saltbush Plains	Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.
GWRB Area 3 - 7 GWRB Area 3 - 7	711607 6205866 Oct 2014 EA Survey 711607 6205866 Oct 2014 EA Survey	70 50 Level to very gently inclined Belah Chenopod Woodland 70 50 Level to very gently inclined Belah Chenopod Woodland	Stock, natural Stock, natural	18991230   Marma   Scalded plains     18991230   Marma   Scalded plains	Saltbush Plains Saltbush Plains	Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.  Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.
GWRB Area 3 - 8	708130 6206081 Oct 2014 EA Survey	70 50 Level to very gently inclined Belah Chenopod Woodland  8 Belah Chenopod Woodland	Stock, natural	18991230 Gulthul Sandplains and dunefields with mallee	Mallee	Sandplain Extensive plain between the Darling and Murrumbidgee Rivers.
GWRB Area 3 - 9	708138 6206420 Oct 2014 EA Survey	70 50 Level to very gently inclined Belah Chenopod Woodland	Stock, natural	18991230 Gulthul Sandplains and dunefields with mallee	Mallee	Sandplain Extensive plain between the Darling and Murrumbidgee Rivers.
GWRB Area 4 - 1	716687 6207984 Oct 2014 EA Survey	50 40 Level to very gently inclined Belah Chenopod Woodland	Stock, natural	18991230 Hatfield Undulating sandplains with bluebush	Belah and Bluebush	Sandplain Extensive undulating plains with bluebush
GWRB Area 4 - 1 GWRB Area 4 - 1	716687 6207984 Oct 2014 EA Survey 716687 6207984 Oct 2014 EA Survey	50 40 Level to very gently inclined Belah Chenopod Woodland  50 40 Level to very gently inclined Belah Chenopod Woodland	Stock, natural	18991230 Rata Riverine plain with saltbush and bluebush 12/03/2014 Rata Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains Extensive saltbush plain with small subcircular depressions.  Alluvial plains Extensive saltbush plain with small subcircular depressions.
GWRB Area 4 - 1	716687 6207984 Oct 2014 EA Survey 716687 6207984 Oct 2014 EA Survey	50 40 Level to very gently inclined Belah Chenopod Woodland  50 40 Level to very gently inclined Belah Chenopod Woodland	Stock, natural	12/03/2014 Rata Riverine plain with saltbush and bluebush  18991230 Rata Riverine plain with saltbush and bluebush	Saltbush Plains Saltbush Plains	Alluvial plains Extensive saltbush plain with small subcircular depressions.  Alluvial plains Extensive saltbush plain with small subcircular depressions.
GWRB Area 4 - 2	716636 6207681 Oct 2014 EA Survey	50 40 Level to very gently inclined Belah Chenopod Woodland	Stock, natural	18991230 Hatfield Undulating sandplains with bluebush	Belah and Bluebush	Sandplain Extensive undulating plains with bluebush
GWRB Area 4 - 2	716636 6207681 Oct 2014 EA Survey	50 40 Level to very gently inclined Belah Chenopod Woodland	Stock, natural	18991230 Rata Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains Extensive saltbush plain with small subcircular depressions.
GWRB Area 4 - 2	716636 6207681 Oct 2014 EA Survey	50 40 Level to very gently inclined Belah Chenopod Woodland	Stock, natural	18991230 Rata Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains Extensive saltbush plain with small subcircular depressions.
GWRB Area 4 - 3 GWRB Area 4 - 3	713626 6208152 Oct 2014 EA Survey 713626 6208152 Oct 2014 EA Survey	50 40 Level to very gently inclined Belah Chenopod Woodland 50 40 Level to very gently inclined Belah Chenopod Woodland	Stock, natural Stock, natural	18991230 Gulthul Sandplains and dunefields with mallee 18991230 Marma Scalded plains	Mallee Saltbush Plains	Sandplain   Extensive plain between the Darling and Murrumbidgee Rivers.     Alluvial plains   Ill-defined scalded drainage tracts associated with the Riverine Plain.
GWRB Area 4 - 3	713626 6208152 Oct 2014 EA Survey	50 40 Level to very gently inclined Belah Chenopod Woodland	Stock, natural	18991230 Rata Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains Extensive saltbush plain with small subcircular depressions.
GWRB Area 4 - 4	713508 6208487 Oct 2014 EA Survey	50 40 Level to very gently inclined Belah Chenopod Woodland	Stock, natural	18991230 Gulthul Sandplains and dunefields with mallee	Mallee	Sandplain Extensive plain between the Darling and Murrumbidgee Rivers.
GWRB Area 4 - 4	713508 6208487 Oct 2014 EA Survey	50 40 Level to very gently inclined Belah Chenopod Woodland	Stock, natural	18991230 Rata Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains Extensive saltbush plain with small subcircular depressions.
GWRB Area 4 - 4 GWRB Area 4 - 5	713508 6208487 Oct 2014 EA Survey 705273 6209790 Oct 2014 EA Survey	50 40 Level to very gently inclined Belah Chenopod Woodland 50 40 Level to very gently inclined Chenopod	Stock, natural	18991230   Marma   Scalded plains   18991230   Gulthul   Sandplains and dunefields with mallee	Saltbush Plains Mallee	Alluvial plains Ill-defined scalded drainage tracts associated with the Riverine Plain.  Sandplain Extensive plain between the Darling and Murrumbidgee Rivers.
GWRB Area 4 - 5	705273 6209790 Oct 2014 EA Survey	50 40 Level to very gently inclined Chenopod	Stock, natural	18991230 Gulthul Sandplains and dunefields with mallee	Mallee	Sandplain Extensive plain between the Darling and Murrumbidgee Rivers.  Extensive plain between the Darling and Murrumbidgee Rivers.
GWRB Area 4 - 6	705320 6209465 Oct 2014 EA Survey	50 40 Level to very gently inclined Chenopod	Stock, natural	18991230 Gulthul Sandplains and dunefields with mallee	Mallee	Sandplain Extensive plain between the Darling and Murrumbidgee Rivers.
GWRB Area 4 - 7	708252 6209310 Oct 2014 EA Survey	50 40 Level to very gently inclined Chenopod	Stock, natural	18991230 Gulthul Sandplains and dunefields with mallee	Mallee	Sandplain Extensive plain between the Darling and Murrumbidgee Rivers.
GWRB Area 4 - 7 GWRB Area 4 - 8	708252 6209310 Oct 2014 EA Survey	50 40 Level to very gently inclined Chenopod  50 40 Level to very gently inclined Chenopod	Stock, natural	18991230 Gulthul Sandplains and dunefields with mallee 18991230 Gulthul Sandplains and dunefields with mallee	Mallee Mallee	Sandplain Extensive plain between the Darling and Murrumbidgee Rivers.  Sandplain Extensive plain between the Darling and Murrumbidgee Rivers.
GWRN 1	708169 6209003 Oct 2014 EA Survey 718723 6196682 Oct 2013 EA Survey	50         40 Level to very gently inclined         Chenopod           60         40 Level to very gently inclined         Chenopod	Stock, natural Stock. natural	18991230   Gulthul   Sandplains and dunefields with mallee   23/10/2013   Marma   Scalded plains	Saltbush Plains	Sandplain   Extensive plain between the Darling and Murrumbidgee Rivers.     Alluvial plains   Ill-defined scalded drainage tracts associated with the Riverine Plain.
GWRN 1	718723 6196682 Oct 2013 EA Survey	60 40 Level to very gently inclined Chenopod	Stock, natural	23/10/2013 Youhl Riverine plain with saltbush and bluebush	Saltbush Plains	Playas and Basins Relict lakes adjacent to the Riverine Plain.
GWRN 1	718723 6196682 Oct 2013 EA Survey	60 40 Level to very gently inclined Chenopod	Stock, natural	23/10/2013 Youhl Riverine plain with saltbush and bluebush	Saltbush Plains	Playas and Basins Relict lakes adjacent to the Riverine Plain.
GWRN 2	718571 6197462 Oct 2013 EA Survey 718571 6197462 Oct 2013 EA Survey	60         40 Level to very gently inclined         Chenopod           60         40 Level to very gently inclined         Chenopod	Stock, natural Stock, natural	23/10/2013   Youhl   Riverine plain with saltbush and bluebush   23/10/2013   Youhl   Riverine plain with saltbush and bluebush	Saltbush Plains Saltbush Plains	Playas and Basins Relict lakes adjacent to the Riverine Plain.  Playas and Basins Relict lakes adjacent to the Riverine Plain.
GWRN 3	719066 6195678 Oct 2013 EA Survey	60 40 Level to very gently inclined Chenopod	Stock, natural	24/10/2013 Marma Scalded plains	Saltbush Plains	Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.
GWRN 3	719066 6195678 Oct 2013 EA Survey	60 40 Level to very gently inclined Black Bluebush Low Open Shrubland	Stock, natural	24/10/2013 Youhl Riverine plain with saltbush and bluebush	Saltbush Plains	Playas and Basins Relict lakes adjacent to the Riverine Plain.
GWRN 3	719066 6195678 Oct 2013 EA Survey	60 40 Level to very gently inclined Black Bluebush Low Open Shrubland	Stock, natural	24/10/2013 Youhl Riverine plain with saltbush and bluebush	Saltbush Plains	Playas and Basins Relict lakes adjacent to the Riverine Plain.
GWRN 3	719066 6195678 Oct 2013 EA Survey 719545 6195154 Oct 2013 EA Survey	60 40 Level to very gently inclined Black Bluebush Low Open Shrubland 60 40 Level to very gently inclined Black Bluebush Low Open Shrubland	Stock, natural Stock, natural	24/10/2013 Marma Scalded plains 24/10/2013 Marma Scalded plains	Saltbush Plains Saltbush Plains	Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.  Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.
GWRN 4	719545 6195154 Oct 2013 EA Survey	60 40 Level to very gently inclined Black Bluebush Low Open Shrubland	Stock, natural	24/10/2013 Marma Scalded plains 24/10/2013 Youhl Riverine plain with saltbush and bluebush	Saltbush Plains	Playas and Basins Relict lakes adjacent to the Riverine Plain.
GWRN 4	719545 6195154 Oct 2013 EA Survey	60 40 Level to very gently inclined Black Bluebush Low Open Shrubland	Stock, natural	24/10/2013 Youhl Riverine plain with saltbush and bluebush	Saltbush Plains	Playas and Basins Relict lakes adjacent to the Riverine Plain.
GWRN 4	719545 6195154 Oct 2013 EA Survey	60 40 Level to very gently inclined Black Bluebush Low Open Shrubland	Stock, natural	24/10/2013 Marma Scalded plains	Saltbush Plains	Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.
GWRN 5	718873 6210940 Oct 2013 EA Survey 718873 6210940 Oct 2013 EA Survey	60 40 Level to very gently inclined Bladder Saltbush Low Open Shrubland 60 40 Level to very gently inclined Bladder Saltbush Low Open Shrubland	Stock, natural Stock, natural	26/10/2013 Hatfield Undulating sandplains with bluebush 26/10/2013 Marma Scalded plains	Belah and Bluebush Saltbush Plains	Sandplain   Extensive undulating plains with bluebush   Alluvial plains   Ill-defined scalded drainage tracts associated with the Riverine Plain.
GWRN 5	718873 6210940 Oct 2013 EA Survey	60 40 Level to very gently inclined Bladder Saltbush Low Open Shrubland	Stock, natural	26/10/2013 Rata Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains Extensive saltbush plain with small subcircular depressions.
GWRN 5	718873 6210940 Oct 2013 EA Survey	60 40 Level to very gently inclined Bladder Saltbush Low Open Shrubland	Stock, natural			
GWRN 6	719201 6208372 Oct 2013 EA Survey			26/10/2013 Rata Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains Extensive saltbush plain with small subcircular depressions.
GWRN 6		60 40 Level to very gently inclined Bladder Saltbush Low Open Shrubland	Stock, natural	26/10/2013 Rata Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains Extensive saltbush plain with small subcircular depressions.  Alluvial plains Extensive saltbush plain with small subcircular depressions.
	719201 6208372 Oct 2013 EA Survey	60 40 Level to very gently inclined Bladder Saltbush Low Open Shrubland	Stock, natural	26/10/2013 Rata Riverine plain with saltbush and bluebush 26/10/2013 Rata Riverine plain with saltbush and bluebush	Saltbush Plains Saltbush Plains	Alluvial plains Extensive saltbush plain with small subcircular depressions.  Alluvial plains Extensive saltbush plain with small subcircular depressions.  Alluvial plains Extensive saltbush plain with small subcircular depressions.
GWRN 7	719201 6208372 Oct 2013 EA Survey 719201 6208372 Oct 2013 EA Survey 718021 6200001 Oct 2013 EA Survey	60 40 Level to very gently inclined Bladder Saltbush Low Open Shrubland 60 40 Level to very gently inclined Bladder Saltbush Low Open Shrubland	Stock, natural Stock, natural	26/10/2013 Rata Riverine plain with saltbush and bluebush 26/10/2013 Rata Riverine plain with saltbush and bluebush 26/10/2013 Rata Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains Extensive saltbush plain with small subcircular depressions.  Alluvial plains Extensive saltbush plain with small subcircular depressions.  Alluvial plains Extensive saltbush plain with small subcircular depressions.  Alluvial plains Extensive saltbush plain with small subcircular depressions.
GWRN 7 GWRN 7	719201 6208372 Oct 2013 EA Survey	60 40 Level to very gently inclined Bladder Saltbush Low Open Shrubland	Stock, natural	26/10/2013 Rata Riverine plain with saltbush and bluebush 26/10/2013 Rata Riverine plain with saltbush and bluebush	Saltbush Plains Saltbush Plains Saltbush Plains Saltbush Plains Saltbush Plains Saltbush Plains	Alluvial plains Extensive saltbush plain with small subcircular depressions.  Alluvial plains Extensive saltbush plain with small subcircular depressions.  Alluvial plains Extensive saltbush plain with small subcircular depressions.  Alluvial plains Extensive saltbush plain with small subcircular depressions.
GWRN 7 GWRN 7 GWRN 7	719201 6208372 Oct 2013 EA Survey 718021 6200001 Oct 2013 EA Survey 718021 6200001 Oct 2013 EA Survey 718021 6200001 Oct 2013 EA Survey	60 40 Level to very gently inclined Bladder Saltbush Low Open Shrubland 60 40 Level to very gently inclined Bladder Saltbush Low Open Shrubland 60 40 Level to very gently inclined Bladder Saltbush Low Open Shrubland 60 40 Level to very gently inclined Bladder Saltbush Low Open Shrubland 60 40 Level to very gently inclined Bladder Saltbush Low Open Shrubland	Stock, natural Stock, natural Stock, natural Stock, natural Stock, natural Stock, natural	26/10/2013 Rata Riverine plain with saltbush and bluebush 26/10/2013 Rata Riverine plain with saltbush and bluebush 26/10/2013 Rata Riverine plain with saltbush and bluebush 26/10/2013 Youhl Riverine plain with saltbush and bluebush 26/10/2013 Youhl Riverine plain with saltbush and bluebush 26/10/2013 Youhl Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains Extensive saltbush plain with small subcircular depressions.  Alluvial plains Extensive saltbush plain with small subcircular depressions.  Alluvial plains Extensive saltbush plain with small subcircular depressions.  Alluvial plains Extensive saltbush plain with small subcircular depressions.  Playas and Basins Relict lakes adjacent to the Riverine Plain.  Playas and Basins Relict lakes adjacent to the Riverine Plain.
GWRN 7 GWRN 7 GWRN 7 GWRN 7	719201 6208372 Oct 2013 EA Survey 718021 6200001 Oct 2013 EA Survey	60 40 Level to very gently inclined Bladder Saltbush Low Open Shrubland 60 40 Level to very gently inclined Bladder Saltbush Low Open Shrubland 60 40 Level to very gently inclined Bladder Saltbush Low Open Shrubland 60 40 Level to very gently inclined Bladder Saltbush Low Open Shrubland 60 40 Level to very gently inclined Bladder Saltbush Low Open Shrubland 60 40 Level to very gently inclined Bladder Saltbush Low Open Shrubland 60 40 Level to very gently inclined Bladder Saltbush Low Open Shrubland	Stock, natural	26/10/2013 Rata Riverine plain with saltbush and bluebush 26/10/2013 Rata Riverine plain with saltbush and bluebush 26/10/2013 Rata Riverine plain with saltbush and bluebush 26/10/2013 Youhl Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains Extensive saltbush plain with small subcircular depressions.  Alluvial plains Extensive saltbush plain with small subcircular depressions.  Alluvial plains Extensive saltbush plain with small subcircular depressions.  Alluvial plains Extensive saltbush plain with small subcircular depressions.  Playas and Basins  Playas and Basins  Relict lakes adjacent to the Riverine Plain.  Playas and Basins  Playas and Basins  Relict lakes adjacent to the Riverine Plain.  Playas and Basins  Relict lakes adjacent to the Riverine Plain.
GWRN 7 GWRN 7 GWRN 7 GWRN 7 GWRN 7	719201 6208372 Oct 2013 EA Survey 718021 6200001 Oct 2013 EA Survey	60 40 Level to very gently inclined Bladder Saltbush Low Open Shrubland 60 40 Level to very gently inclined Bladder Saltbush Low Open Shrubland 60 40 Level to very gently inclined Bladder Saltbush Low Open Shrubland 60 40 Level to very gently inclined Bladder Saltbush Low Open Shrubland 60 40 Level to very gently inclined Bladder Saltbush Low Open Shrubland 60 40 Level to very gently inclined Bladder Saltbush Low Open Shrubland 60 40 Level to very gently inclined Bladder Saltbush Low Open Shrubland 60 40 Level to very gently inclined Bladder Saltbush Low Open Shrubland	Stock, natural	26/10/2013 Rata Riverine plain with saltbush and bluebush 26/10/2013 Rata Riverine plain with saltbush and bluebush 26/10/2013 Rata Riverine plain with saltbush and bluebush 26/10/2013 Youhl Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains Extensive saltbush plain with small subcircular depressions. Alluvial plains Extensive saltbush plain with small subcircular depressions. Alluvial plains Extensive saltbush plain with small subcircular depressions. Alluvial plains Extensive saltbush plain with small subcircular depressions. Playas and Basins Relict lakes adjacent to the Riverine Plain. Playas and Basins Relict lakes adjacent to the Riverine Plain. Playas and Basins Relict lakes adjacent to the Riverine Plain. Playas and Basins Relict lakes adjacent to the Riverine Plain. Playas and Basins Relict lakes adjacent to the Riverine Plain.
GWRN 7 GWRN 7 GWRN 7	719201 6208372 Oct 2013 EA Survey 718021 6200001 Oct 2013 EA Survey	60 40 Level to very gently inclined Bladder Saltbush Low Open Shrubland 60 40 Level to very gently inclined Bladder Saltbush Low Open Shrubland 60 40 Level to very gently inclined Bladder Saltbush Low Open Shrubland 60 40 Level to very gently inclined Bladder Saltbush Low Open Shrubland 60 40 Level to very gently inclined Bladder Saltbush Low Open Shrubland 60 40 Level to very gently inclined Bladder Saltbush Low Open Shrubland 60 40 Level to very gently inclined Bladder Saltbush Low Open Shrubland 60 40 Level to very gently inclined Bladder Saltbush Low Open Shrubland	Stock, natural	26/10/2013 Rata Riverine plain with saltbush and bluebush 26/10/2013 Rata Riverine plain with saltbush and bluebush 26/10/2013 Rata Riverine plain with saltbush and bluebush 26/10/2013 Youhl Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains Extensive saltbush plain with small subcircular depressions.  Alluvial plains Extensive saltbush plain with small subcircular depressions.  Alluvial plains Extensive saltbush plain with small subcircular depressions.  Alluvial plains Extensive saltbush plain with small subcircular depressions.  Playas and Basins  Playas and Basins  Relict lakes adjacent to the Riverine Plain.  Playas and Basins  Playas and Basins  Relict lakes adjacent to the Riverine Plain.  Playas and Basins  Relict lakes adjacent to the Riverine Plain.
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Alluvial plains Extensive saltbush plain with small subcircular depressions. Alluvial plains Extensive saltbush plain with small subcircular depressions. Alluvial plains Extensive saltbush plain with small subcircular depressions. Playas and Basins Paleict lakes adjacent to the Riverine Plain. Playas and Basins Relict lakes adjacent to the Riverine Plain. Playas and Basins Relict lakes adjacent to the Riverine Plain. Playas and Basins Relict lakes adjacent to the Riverine Plain. Playas and Basins Relict lakes adjacent to the Riverine Plain. Playas and Basins Relict lakes adjacent to the Riverine Plain. Playas and Basins Relict lakes adjacent to the Riverine Plain. Sandplain Extensive undulating plains with bluebush Sandplain Sandplain Sandplain between dunefields and the Riverine Plain near Balranald Alluvial plains Ill-defined scalded drainage tracts associated with the Riverine Plain. Alluvial plains Extensive undulating plains with bluebush Sandplain Extensive undulating plains with bluebush Ill-defined scalded drainage tracts associated with the Riverine Plain. Alluvial plains Ill-defined scalded drainage tracts associated with the Riverine Plain. Playas and Basins Relict lakes adjacent to the Riverine Plain. Sandplain Extensive undulating plains with bluebush Ill-defined scalded drainage tracts associated with the Riverine Plain. Extensive undulating plains with bluebush Ill-defined scalded drainage tracts associated with the Riverine Plain. Extensive undulating plains with bluebush Sandplain Extensive undulating plains with bluebush Ill-defined scalded drainage tracts associated with the Riverine Plain. Extensive undulating plains with bluebush Sandplain Extensive undulating plains with bluebush Sandplain Extensive undulating plains with bluebush Sandplain Extensive undulating
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Alluvial plains Extensive saltbush plain with small subcircular depressions. Alluvial plains Extensive saltbush plain with small subcircular depressions. Extensive saltbush plain with small subcircular depressions. Extensive saltbush plain with small subcircular depressions. Playas and Basins Playas and Basins Relict lakes adjacent to the Riverine Plain. Playas and Basins Playas and Basins Relict lakes adjacent to the Riverine Plain. Playas and Basins Relict lakes adjacent to the Riverine Plain. Playas and Basins Relict lakes adjacent to the Riverine Plain. Playas and Basins Relict lakes adjacent to the Riverine Plain. Playas and Basins Relict lakes adjacent to the Riverine Plain. Playas and Basins Sandplain Extensive undulating plains with bluebush Ill-defined scalded drainage tracts associated with the Riverine Plain. Playas and Basins Relict lakes adjacent to the Riverine Plain. Playas and Basins Relict lakes adjacent to the Riverine Plain. Extensive undulating plains with bluebush Alluvial plains Ill-defined scalded drainage tracts associated with the Riverine Plain. Sandplain Extensive undulating plains with bluebush Alluvial plains Ill-defined scalded drainage tracts associated with the Riverine Plain. Sandplain Extensive undulating plains with bluebush Alluvial plains Ill-defined scalded drainage tracts associated with the Riverine Plain. Sandplain Extensive undulating plains with bluebush Alluvial plains Ill-defined scalded drainage tracts associated with the Riverine Plain. Sandplain Extensive undulatin

IB 7 - CD IB 7 - CD - N	714312 6213794 Dec 2014 EA Survey 60 705650 6215562 Dec 2014 EA Survey 60	70 7	dder Saltbush Low Open Shrubland Stock, natural dder Saltbush Low Open Shrubland Stock, natural	10/12/2014 Hatfield   Undulating sandplains with bluebush   18991230   Gulthul   Sandplains and dunefields with mallee	Belah and Bluebush Mallee	Sandplain Extensive undulating plains with bluebush Sandplain Extensive plain between the Darling and Murrumbidgee Rivers.
IB 7 - CD - S	706399 6214996 Dec 2014 EA Survey 60		enopod Sandplain Mallee Woodland Stock, natural	18991230 Gulthul Sandplains and dunefields with mallee	Mallee	Sandplain Extensive plain between the Darling and Murrumbidgee Rivers.  Sandplain Extensive plain between the Darling and Murrumbidgee Rivers.
IB 7 - CD - S	706399 6214996 Dec 2014 EA Survey 60	40 Level to very gently inclined Che	enopod Sandplain Mallee Woodland Stock, natural	18991230 Gulthul Sandplains and dunefields with mallee	Mallee	Sandplain Extensive plain between the Darling and Murrumbidgee Rivers.
B 7 - CD B CD A	717406 6213345 Dec 2014 EA Survey 60	, , , , , , , , , , , , , , , , , , , ,	enopod Sandplain Mallee Woodland Stock, natural	10/12/2014 Gulthul Sandplains and dunefields with mallee	Mallee	Sandplain Extensive plain between the Darling and Murrumbidgee Rivers.
B 7 - CD B CD A	717406 6213345 Dec 2014 EA Survey 60 717406 6213345 Dec 2014 EA Survey 60		enopod Stock, natural enopod Stock, natural	10/12/2014 Hatfield Undulating sandplains with bluebush 10/12/2014 Hatfield Undulating sandplains with bluebush	Belah and Bluebush Belah and Bluebush	Sandplain Extensive undulating plains with bluebush Sandplain Extensive undulating plains with bluebush
B 8 - AA - S	722229 6215830 Dec 2014 EA Survey 60		enopod Stock, natural	17/12/2014 Rata Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains Extensive altbush plain with small subcircular depressions.
IB 8 - AA - S	723299 6215657 Dec 2014 EA Survey 60		enopod Stock, natural	17/12/2014 Rata Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains Extensive saltbush plain with small subcircular depressions.
IB 8 - AA - S	722229 6215830 Dec 2014 EA Survey 60	7,8-1,	enopod Stock, natural	17/12/2014 Rata Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains Extensive saltbush plain with small subcircular depressions.
IB 8 - AA _S IB 8 - AA _S	724397 6215480 Dec 2014 EA Survey 60 724397 6215480 Dec 2014 EA Survey 60		enopod Stock, natural enopod Stock, natural	17/12/2014 Marma   Scalded plains   17/12/2014 Rata   Riverine plain with saltbush and bluebush	Saltbush Plains Saltbush Plains	Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.  Alluvial plains Extensive saltbush plain with small subcircular depressions.
IB 8 - S - CD	726327 6215165 Dec 2014 EA Survey 60		enopod Stock, natural	18991230 Marma Scalded plains	Saltbush Plains	Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.
IB 8 - S - CD	726327 6215165 Dec 2014 EA Survey 60		enopod Stock, natural	18991230 Marma Scalded plains	Saltbush Plains	Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.
IB 8 - S - CD	726327 6215165 Dec 2014 EA Survey 60	40 Level to very gently inclined Che	enopod Stock, natural	18991230 Marma Scalded plains	Saltbush Plains	Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.
IB 8 - S CD	725653 6215271 Dec 2014 EA Survey 60 725653 6215271 Dec 2014 EA Survey 60	10 /	enopod Stock, natural	18991230 Marma Scalded plains	Saltbush Plains Saltbush Plains	Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.
IB 8 - S CD IB 8 - Wintong	725653 6215271 Dec 2014 EA Survey 60 724619 6215896 Dec 2014 EA Survey 60	, , , , , , , , , , , , , , , , , , , ,	enopod Stock, natural	18991230         Marma         Scalded plains           18991230         Marma         Scalded plains	Saltbush Plains Saltbush Plains	Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.  Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.
IB 8 - Wintong	724619 6215896 Dec 2014 EA Survey 60		enopod Stock, natural	18991230 Rata Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains Extensive saltbush plain with small subcircular depressions.
IB 8 - Wintong	724619 6215896 Dec 2014 EA Survey 60		enopod Stock, natural	18991230 Marma Scalded plains	Saltbush Plains	Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.
IB 9 - CD	723893 6211145 Dec 2014 EA Survey 60	10 /	enopod Stock, natural	18991230 Hatfield Undulating sandplains with bluebush	Belah and Bluebush	Sandplain Extensive undulating plains with bluebush
B 9 - CD	723893 6211145 Dec 2014 EA Survey 60 723893 6211145 Dec 2014 EA Survey 60	19 /	enopod Stock, natural enopod Stock, natural	18991230 Marma Scalded plains 18991230 Rata Riverine plain with saltbush and bluebush	Saltbush Plains Saltbush Plains	Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.  Alluvial plains Extensive saltbush plain with small subcircular depressions.
Karra homestead	720493 6188276 UHF/Mobile tower 60		enopod Stock, natural enopod non-aboriginal campfires with glass and bullets	18991230 Gulthul Sandplains and dunefields with mallee	Mallee	Sandplain Extensive salibush plain with small subcircular depressions.  Extensive plain between the Darling and Murrumbidgee Rivers.
KG 1	718946 6192731 Oct 2013 EA Survey 60		enopod Stock, natural	22/10/2013 Marma Scalded plains	Saltbush Plains	Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.
KG 1	718946 6192731 Oct 2013 EA Survey 60	/ / / /	enopod Stock, natural	22/10/2013 Marma Scalded plains	Saltbush Plains	Alluvial plains Ill-defined scalded drainage tracts associated with the Riverine Plain.
KG 10	719464 6194359 Oct 2013 EA Survey 60 719464 6194359 Oct 2013 EA Survey 60		enopod Stock, natural	31/10/2013 Marma Scalded plains	Saltbush Plains Saltbush Plains	Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.
KG 10 KG 11	719464 6194359 Oct 2013 EA Survey 60 719553 6194043 Oct 2013 EA Survey 60	10 20 10 10 10 10 10 10 10 10 10 10 10 10 10	enopod Stock, natural enopod Stock, natural	31/10/2013 Marma   Scalded plains	Saltbush Plains	Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.  Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.
KG 11	719553 6194043 Oct 2013 EA Survey 60		enopod Stock, natural	31/10/2013 Marma Scalded plains	Saltbush Plains	Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.
KG 2	719654 6192454 Oct 2013 EA Survey 60	40 Level to very gently inclined Che	enopod Stock, natural	22/10/2013 Gulthul Sandplains and dunefields with mallee	Mallee	Sandplain Extensive plain between the Darling and Murrumbidgee Rivers.
KG 2	719654 6192454 Oct 2013 EA Survey 60		enopod Stock, natural	22/10/2013 Marma Scalded plains	Saltbush Plains	Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.
KG 2	719654 6192454 Oct 2013 EA Survey 60 719654 6192454 Oct 2013 EA Survey 60		enopod Stock, natural	22/10/2013 Rata Riverine plain with saltbush and bluebush	Saltbush Plains Mallee	Alluvial plains Extensive saltbush plain with small subcircular depressions.
KG 2	719654 6192454 Oct 2013 EA Survey 60 719654 6192454 Oct 2013 EA Survey 60		enopod Stock, natural enopod Stock. natural	22/10/2013 Gulthul   Sandplains and dunefields with mallee   22/10/2013 Rata   Riverine plain with saltbush and bluebush	Saltbush Plains	Sandplain Extensive plain between the Darling and Murrumbidgee Rivers.  Alluvial plains Extensive saltbush plain with small subcircular depressions.
KG 2	719654 6192454 Oct 2013 EA Survey 60		enopod Stock, natural	22/10/2013   Marma   Scalded plains	Saltbush Plains	Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.
KG 3	720537 6190389 Oct 2013 EA Survey 60	40 Level to very gently inclined Che	enopod Stock, natural	23/10/2013 Gulthul Sandplains and dunefields with mallee	Mallee	Sandplain Extensive plain between the Darling and Murrumbidgee Rivers.
KG 3	720537 6190389 Oct 2013 EA Survey 60	10 /	enopod Stock, natural	23/10/2013 Rata Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains Extensive saltbush plain with small subcircular depressions.
KG 4	720443 6191217 Oct 2013 EA Survey 60 720443 6191217 Oct 2013 EA Survey 60	, , , , , , , , , , , , , , , , , , , ,	enopod Stock, natural	23/10/2013 Gulthul Sandplains and dunefields with mallee	Mallee Salthush Plains	Sandplain   Extensive plain between the Darling and Murrumbidgee Rivers.     Alluvial plains   Extensive saltbush plain with small subcircular depressions.
KG 4	720443 6191217 Oct 2013 EA Survey 60 720443 6191217 Oct 2013 EA Survey 60		enopod Stock, natural enopod Stock, natural	23/10/2013 Rata Riverine plain with saltbush and bluebush 23/10/2013 Rata Riverine plain with saltbush and bluebush	Saltbush Plains Saltbush Plains	Alluvial plains Extensive saltbush plain with small subcircular depressions.  Alluvial plains Extensive saltbush plain with small subcircular depressions.
KG 5	720199 6190876 Oct 2013 EA Survey 60	10 /	enopod Stock, natural	23/10/2013 Rata Riverine plant with saltbush and bluebush 23/10/2013 Gulthul Sandplains and dunefields with mallee	Mallee	Sandplain Extensive plain between the Darling and Murrumbidgee Rivers.
KG 5	720199 6190876 Oct 2013 EA Survey 60	40 Level to very gently inclined Che	enopod Stock, natural	23/10/2013 Rata Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains Extensive saltbush plain with small subcircular depressions.
KG 5	720199 6190876 Oct 2013 EA Survey 60	10 /	enopod Stock, natural	23/10/2013 Rata Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains Extensive saltbush plain with small subcircular depressions.
KG 6	719679 6193193 Oct 2013 EA Survey 60 719679 6193193 Oct 2013 EA Survey 60	10 /	enopod Stock, natural	31/10/2013 Marma Scalded plains	Saltbush Plains Saltbush Plains	Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.
KG 6	719679 6193193 Oct 2013 EA Survey 60 721322 6188514 Oct 2013 EA Survey 60	1, 8 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	enopod Stock, natural enopod Stock, natural	31/10/2013 Rata Riverine plain with saltbush and bluebush 31/10/2013 Rata Riverine plain with saltbush and bluebush	Saltbush Plains Saltbush Plains	Alluvial plains Extensive saltbush plain with small subcircular depressions.  Alluvial plains Extensive saltbush plain with small subcircular depressions.
KG 7	721322 6188514 Oct 2013 EA Survey 60		enopod Stock, natural	31/10/2013 Rata Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains Extensive saltbush plain with small subcircular depressions.
KG 8	721822 6188633 Oct 2013 EA Survey 60		enopod Stock, natural	31/10/2013 Rata Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains Extensive saltbush plain with small subcircular depressions.
KG 8	721822 6188633 Oct 2013 EA Survey 60	, , , , , , , , , , , , , , , , , , , ,	enopod Stock, natural	31/10/2013 Rata Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains Extensive saltbush plain with small subcircular depressions.
KG 9	721458 6189322 Oct 2013 EA Survey 60	/ / / /	enopod Stock, natural	31/10/2013 Gulthul Sandplains and dunefields with mallee	Mallee	Sandplain Extensive plain between the Darling and Murrumbidgee Rivers.
KG 9 Met (x) 7	721458 6189322 Oct 2013 EA Survey 60 722714 6190710 10 x Air Core Drilling 70	, , , , , , , , , , , , , , , , , , , ,	enopod Stock, natural enopod Grazing, previous air core drillline,	31/10/2013 Rata Riverine plain with saltbush and bluebush 12/03/2014 Rata Riverine plain with saltbush and bluebush	Saltbush Plains Saltbush Plains	Alluvial plains Extensive saltbush plain with small subcircular depressions.  Alluvial plains Extensive saltbush plain with small subcircular depressions.
Met (x) 7	722714 6190710 10 x Air Core Drilling 70		enopod Grazing, previous air core drillline,	12/03/2014 Rata Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains Extensive saltbush plain with small subcircular depressions.
Met (x) 7	722714 6190710 10 x Air Core Drilling 70		enopod Grazing, previous air core drillline,	12/03/2014 Rata Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains Extensive saltbush plain with small subcircular depressions.
NARI 1	713030 6223686 Oct 2013 EA Survey 60	To cever to very gently inclined ene	enopod Stock, natural	28/10/2013 Arumpo Sandplains and dunefields with mallee	Mallee	Dunefields Parallel dunes and sandplains with narrow calcareous swales
O BH 10 O BH 10	728000 6214888 Dec 2014 EA Survey 60 726855 6215075 Dec 2014 EA Survey 60	10 /	enopod Stock, natural	18991230 Marma Scalded plains	Saltbush Plains	Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.
O BH 10	726855 6215075 Dec 2014 EA Survey 60 726855 6215075 Dec 2014 EA Survey 60		enopod Stock, natural enopod Stock, natural	18991230         Marma         Scalded plains           18991230         Marma         Scalded plains	Saltbush Plains Saltbush Plains	Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.  Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.
O BH 10 / W BH 10	726284 6215624 Dec 2014 EA Survey 60		enopod Stock, natural	18991230 Marma Scalded plains	Saltbush Plains	Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.
O BH 10 / W BH 10	728163 6215311 Dec 2014 EA Survey 60		enopod Stock, natural	18991230 Marma Scalded plains	Saltbush Plains	Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.
O BH 10 / W BH 10	726284 6215624 Dec 2014 EA Survey 60		enopod Stock, natural	18991230 Marma Scalded plains	Saltbush Plains	Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.
Pipeline	720325 6187075 buffer approximate pipeline see 60		ared Stock, natural	18991230 Condoulpe Sandplains and dunefields with mallee	Mallee	Sandplain Sandplain between dunefields and the Riverine Plain near Balranald
Pipeline Pipeline	720325 6187075 buffer approximate pipeline see 60 720325 6187075 buffer approximate pipeline see 60	10 2010110 1017 301117 101100	ared Stock, natural	18991230   Gulthul   Sandplains and dunefields with mallee   18991230   Rata   Riverine plain with saltbush and bluebush	Mallee Saltbush Plains	Sandplain   Extensive plain between the Darling and Murrumbidgee Rivers.     Alluvial plains   Extensive saltbush plain with small subcircular depressions.
Pipeline	720325 6187075 buffer approximate pipeline see 60	40 Level to very gently inclined Cle	ared Stock, natural	18991230 Gulthul Sandplains and dunefields with mallee	Mallee	Sandplain Extensive plain between the Darling and Murrumbidgee Rivers.
Pipeline	720325 6187075 buffer approximate pipeline see 60	40 Level to very gently inclined Cle	ared Stock, natural	18991230 Gulthul Sandplains and dunefields with mallee	Mallee	Sandplain Extensive plain between the Darling and Murrumbidgee Rivers.
Pipeline	720325 6187075 buffer approximate pipeline see 60	, , , , , , , , , , , , , , , , , , , ,		18991230 Gulthul Sandplains and dunefields with mallee	Mallee	Sandplain Extensive plain between the Darling and Murrumbidgee Rivers.
Pipeline	720325 6187075 buffer approximate pipeline see 60	, , , , , , , , , , , , , , , , , , , ,		18991230   Gulthul   Sandplains and dunefields with mallee   18991230   Rata   Riverine plain with saltbush and bluebush	Mallee Saltbush Plains	Sandplain Extensive plain between the Darling and Murrumbidgee Rivers.
Pipeline Pipeline	720325 6187075 buffer approximate pipeline see 60	, , , , , , , , , , , , , , , , , , , ,	ared / Stock, natural ared/Agricultural (crops, vineyards, weedy fallow) Stock, natural	18991230   Rata   Riverine plain with saltbush and bluebush   18991230   Gulthul   Sandplains and dunefields with mallee	Mallee	Alluvial plains Extensive saltbush plain with small subcircular depressions.  Sandplain Extensive plain between the Darling and Murrumbidgee Rivers.
Pipeline	720325 6187075 buffer approximate pipeline see 60		ared/Agricultural (crops, vineyards, weedy fallow)  Stock, natural	18991230 Gulthul Sandplains and dunefields with mallee	Mallee	Sandplain Extensive plain between the Darling and Murrumbidgee Rivers.
Pipeline	720325 6187075 buffer approximate pipeline see 60	40 Level to very gently inclined Cle	ared Stock, natural	18991230 Condoulpe Sandplains and dunefields with mallee	Mallee	Sandplain Sandplain between dunefields and the Riverine Plain near Balranald
Pipeline	720325 6187075 buffer approximate pipeline see 60		ah - Pearl Bluebush Woodland Stock, natural	18991230 Condoulpe Sandplains and dunefields with mallee	Mallee	Sandplain Sandplain between dunefields and the Riverine Plain near Balranald
Pipeline	720325 6187075 buffer approximate pipeline see 60 720325 6187075 buffer approximate pipeline see 60	, , ,	ared/Agricultural (crops, vineyards, weedy fallow) Stock, natural Stock, natural Stock, natural	18991230 Gulthul Sandplains and dunefields with mallee 18991230 Gulthul Sandplains and dunefields with mallee	Mallee Mallee	Sandplain Extensive plain between the Darling and Murrumbidgee Rivers.  Sandplain Extensive plain between the Darling and Murrumbidgee Rivers.
Pipeline PL 1	720325 6187075 buffer approximate pipeline see 60 734108 6173136 Oct 2013 EA Survey 50		ared/Agricultural (crops, vineyards, weedy fallow) Stock, natural Stock, natural	29/10/2013 Condoulpe Sandplains and dunefields with mallee	Mallee	Sandplain Extensive plain between the Darling and Murrumbidgee Rivers.  Sandplain Sandplain between dunefields and the Riverine Plain near Balranald
PL 2	734108 0173130 Oct 2013 EA Survey 50			29/10/2013 Condoulpe Sandplains and dunefields with mallee	Mallee	Sandplain Sandplain between dunefields and the Riverine Plain near Balranald  Sandplain Sandplain between dunefields and the Riverine Plain near Balranald
PL 2	734388 6173639 Oct 2013 EA Survey 50	50 Level to very gently inclined Cle	ared Stock, natural	29/10/2013 Condoulpe Sandplains and dunefields with mallee	Mallee	Sandplain Sandplain between dunefields and the Riverine Plain near Balranald
PL 3	732879 6175662 Oct 2013 EA Survey 50		ared Stock, natural	29/10/2013 Condoulpe Sandplains and dunefields with mallee	Mallee	Sandplain Sandplain between dunefields and the Riverine Plain near Balranald
PL 4	735809 6175432 Oct 2013 EA Survey 50 735678 6175208 Oct 2013 EA Survey 50		ared Stock, natural ared Stock, natural	29/10/2013 Condoulpe   Sandplains and dunefields with mallee   29/10/2013 Condoulpe   Sandplains and dunefields with mallee	Mallee Mallee	Sandplain Sandplain between dunefields and the Riverine Plain near Balranald Sandplain Sandplain between dunefields and the Riverine Plain near Balranald
PLI 1	737180 6173208 Oct 2013 EA Survey 50		enopod Stock, natural	30/10/2013 Condoulpe Sandplains and dunefields with maliee	Mallee	Sandplain Sandplain between dunefields and the Riverine Plain near Balranald  Sandplain Sandplain between dunefields and the Riverine Plain near Balranald
PLI 1	737180 6173666 Oct 2013 EA Survey 50	50 Level to very gently inclined Che	enopod Stock, natural	30/10/2013 Condoulpe Sandplains and dunefields with mallee	Mallee	Sandplain Sandplain between dunefields and the Riverine Plain near Balranald
PLI 2	735954 6171194 Oct 2013 EA Survey 50	10 /	enopod Stock, natural	30/10/2013 Condoulpe Sandplains and dunefields with mallee	Mallee	Sandplain Sandplain between dunefields and the Riverine Plain near Balranald
Stage3 AltLoc STP No. 1a	718932 6205752 60		enopod Stock, natural	15/10/2013 Marma Scalded plains	Saltbush Plains Saltbush Plains	Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.
STP No. 1a STP No. 1a	719002 6206118 Short Term Pump Location 1 60 719002 6206118 Short Term Pump Location 1 60	70 7	rubs and grasses natural, minor stock rubs and grasses natural, minor stock	15/10/2013 Marma   Scalded plains   15/10/2013 Marma   Scalded plains	Saltbush Plains Saltbush Plains	Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.  Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.
STP No. 1a	719002 6206118 Short Term Pump Location 1 60		rubs and grasses natural, minor stock	15/10/2013 Marma Scalded plains  15/10/2013 Marma Scalded plains	Saltbush Plains	Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.
STP No. 1b	719011 6205977 Short Term Pump Location 1 60	40 Level to very gently inclined Shr	rubs and grasses natural, minor stock	15/10/2013 Marma Scalded plains	Saltbush Plains	Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.
STP No. 1b	719011 6205977 Short Term Pump Location 1 60		rubs and grasses natural, minor stock	15/10/2013 Marma Scalded plains	Saltbush Plains	Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.
Г/ВН11 Г/ВН11	723171 6207381 Dec 2014 EA Survey 60 723171 6207381 Dec 2014 EA Survey 60		Stock, natural	18991230 Marma Scalded plains	Saltbush Plains Saltbush Plains	Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.
TL 1	723171 6207381 Dec 2014 EA Survey 60 724136 6168482 2012 EA Survey 60		Stock, natural  Hamm and Atkinson (Niche) 2013 and transect recordin Stock, natural	18991230 Rata Riverine plain with saltbush and bluebush 1/07/2012 Condoulpe Sandplains and dunefields with mallee	Mallee Saltbush Plains	Alluvial plains Extensive saltbush plain with small subcircular depressions.  Sandplain Sandplain between dunefields and the Riverine Plain near Balranald
TL 2	724937 6173614 2012 EA Survey 60		Hamm and Atkinson (Niche) 2013 and transect recording stock, natural	1/07/2012 Condoulpe Sandplains and dunefields with mallee	Mallee	Sandplain Sandplain between dunefields and the Riverine Plain near Balranald  Sandplain Sandplain between dunefields and the Riverine Plain near Balranald
TL 3	725649 6177986 2012 EA Survey 60	40 Level to very gently inclined See	e Hamm and Atkinson (Niche) 2013 and transect recording Stock, natural	1/07/2012 Condoulpe Sandplains and dunefields with mallee	Mallee	Sandplain Sandplain between dunefields and the Riverine Plain near Balranald
TL 3	725649 6177986 2012 EA Survey 60		e Hamm and Atkinson (Niche) 2013 and transect recording Stock, natural	1/07/2012 Condoulpe Sandplains and dunefields with mallee	Mallee	Sandplain Sandplain between dunefields and the Riverine Plain near Balranald
TL 4	723192 6162365 2012 EA Survey 60 723192 6162365 2012 EA Survey 60		e Hamm and Atkinson (Niche) 2013 and transect recordin(Stock, natural	1/07/2012 Condoulpe Sandplains and dunefields with mallee 1/07/2012 Riverland Floodplains with black box and/or river red gum	Mallee Southern Riverine Woodlands	Sandplain Sandplain between dunefields and the Riverine Plain near Balranald  Alluvial plains Murray, Murrumbidgee, Edward and Wakool Rivers and their floodplains
TL 5	729886 6150419 2012 EA Survey 60		e Hamm and Atkinson (Niche) 2013 and transect recording stock, natural	1/07/2012 Kiverland Produptains with black box and/or river red guin  1/07/2012 Condoulpe Sandplains and dunefields with mallee	Mallee	Sandplain Sandplain between dunefields and the Riverine Plain near Balranald
ILJ	729886 6150419 2012 EA Survey 60	40 Level to very gently inclined See	e Hamm and Atkinson (Niche) 2013 and transect recordin Stock, natural	1/07/2012 Perekertin Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains Transitional riverine plain on the western margins of the Riverine Plain.
			enopod See Hamm and Atkinson (Niche) 2013 and transect recording form	1/07/2012 Arumpo Sandplains and dunefields with mallee	Mallee	Dunefields Parallel dunes and sandplains with narrow calcareous swales
TL 5 Tn 1	718968 6226227 60		e Hamm and Atkinson (Niche) 2013 and transect recordin≰See Hamm and Atkinson (Niche) 2013 and transect recording form	1/07/2012 Bulgamurra Sandplains and dunefields with belah and rosewood	Belah and Bluebush	Sandplain Extensive undulating sandplain with dunes and open flats
TL 5 Fn 1 Fn 2	718968 6226227 60 719787 6226675 60		The state of the s		Belah and Bluebush	
TL 5 In 1 In 2 In 3	718968 6226227 60 719787 6226675 60 716147 6230224 60	40 Level to very gently inclined See	e Hamm and Atkinson (Niche) 2013 and transect recording See Hamm and Atkinson (Niche) 2013 and transect recording form	1/07/2012 Wilkurra Sandplains and dunefields with belah and rosewood		Sandplain Level sandplain with belah  Dunofields Parallel dunos and sandplains with parrow salesroous swales
rL 5 rn 1 rn 2 rn 3 rn 7	718968 6226227 660 719787 6226675 66 716147 6230224 660 715100 6231105 660	40 Level to very gently inclined See 40 Level to very gently inclined Bel	ah, grasses See Hamm and Atkinson (Niche) 2013 and transect recording form	1/07/2012 Arumpo Sandplains and dunefields with mallee	Mallee	Dunefields Parallel dunes and sandplains with narrow calcareous swales
TL 5 In 1 In 2 In 3 In 7 In 8	718968 6226227 660 719787 6226675 66 716147 6230224 660 715100 6231105 660	40 Level to very gently inclined See 40 Level to very gently inclined Bel 40 Level to very gently inclined See				Dunefields Parallel dunes and sandplains with narrow calcareous swales
TL 5 In 1 In 2 In 3 In 7 In 8 In 9 Iracks 59	718968 6226227 660 719787 6226675 660 716147 6230224 660 715100 6231105 660 716272 6232164 660 716998 6228859 660 713385 6200932 660	40 Level to very gently inclined See 40 Level to very gently inclined Bel 40 Level to very gently inclined See 40 Level to very gently inclined Ma 40 Level to very gently inclined	lah, grasses See Hamm and Atkinson (Niche) 2013 and transect recording form e Hamm and Atkinson (Niche) 2013 and transect recording form	1/07/2012 Arumpo Sandplains and dunefields with mallee 1/07/2012 Wilkurra Sandplains and dunefields with belah and rosewood 1/07/2012 Arumpo Sandplains and dunefields with mallee 18991230 Gulthul Sandplains and dunefields with mallee	Mallee Belah and Bluebush Mallee Mallee	Dunefields Parallel dunes and sandplains with narrow calcareous swales Sandplain Level sandplain with belah Dunefields Parallel dunes and sandplains with narrow calcareous swales Sandplain Extensive plain between the Darling and Murrumbidgee Rivers.
TL 5 Tn 1 Tn 2 Tn 3 Tn 7 Tn 7 Tn 8 Tn 9 Tracks 59 Tracks 59	718968 6226227 660 719787 6226675 660 716147 6230224 660 715100 6231105 661 716272 6232164 660 716928 6228859 660 713385 6200932 663 713385 6200932 660	40 Level to very gently inclined 8ed 40 Level to very gently inclined 8el 40 Level to very gently inclined See 40 Level to very gently inclined Made 10 Level to very gently inclined 40 Level to very gently inclined 40 Level to very gently inclined 40 Level to very gently inclined	lah, grasses See Hamm and Atkinson (Niche) 2013 and transect recording form e Hamm and Atkinson (Niche) 2013 and transect recording form	1/07/2012 Arumpo Sandplains and dunefields with mallee 1/07/2012 Wilkurra Sandplains and dunefields with belah and rosewood 1/07/2012 Arumpo Sandplains and dunefields with mallee 18991230 Gulthul Sandplains and dunefields with mallee 18991230 Marma Scalded plains	Mallee Belah and Bluebush Mallee Mallee Saltbush Plains	Dunefields Parallel dunes and sandplains with narrow calcareous swales Sandplain Level sandplain with belah Dunefields Parallel dunes and sandplains with narrow calcareous swales Sandplain Extensive plain between the Darling and Murrumbidgee Rivers. Alluvial plains Ill-defined scalded drainage tracts associated with the Riverine Plain.
TL 5 In 1 In 1 In 2 In 3 In 7 In 7 In 8 In 9 Iracks 59 Iracks 59 Iracks 59	718968 6226227 660 719787 6226675 660 716147 6230224 660 715100 6231105 660 716272 6232164 660 716998 6228859 660 713385 6200932 660 713385 6200932 660 713385 6200932 660	40 Level to very gently inclined 8ed 40 Level to very gently inclined 8ed 40 Level to very gently inclined See 40 Level to very gently inclined Ma 40 Level to very gently inclined	lah, grasses See Hamm and Atkinson (Niche) 2013 and transect recording form e Hamm and Atkinson (Niche) 2013 and transect recording form	1/07/2012 Arumpo Sandplains and dunefields with mallee 1/07/2012 Milkura Sandplains and dunefields with belah and rosewood 1/07/2012 Arumpo Sandplains and dunefields with mallee 18991230 Gulthul Sandplains and dunefields with mallee 18991230 Marma Scalded plains 18991230 Marma Scalded plains	Mallee Belah and Bluebush Mallee Mallee Saltbush Plains Saltbush Plains	Dunefields Parallel dunes and sandplains with narrow calcareous swales Sandplain Level sandplain with belah Dunefields Parallel dunes and sandplains with narrow calcareous swales Sandplain Extensive plain between the Darling and Murrumbidgee Rivers. Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain. Alluvial plains III-defined scalded drainage tracts associated with the Riverine Plain.
TL 5 Tn 1 Tn 2 Tn 3 Tn 7 Tn 7 Tn 8 Tn 7 Tn 8 Tn 9 Tracks 59	718968 6226227 660 719787 6226675 660 716147 6230224 660 715100 6231105 661 716272 6232164 660 716928 6228859 660 713385 6200932 663 713385 6200932 660	40 Level to very gently inclined See 40 Level to very gently inclined Bel 40 Level to very gently inclined See 40 Level to very gently inclined Ma 40 Level to very gently inclined 40 Level to very gently inclined 40 Level to very gently inclined 70 Level to very gently inclined	lah, grasses See Hamm and Atkinson (Niche) 2013 and transect recording form e Hamm and Atkinson (Niche) 2013 and transect recording form	1/07/2012 Arumpo Sandplains and dunefields with mallee 1/07/2012 Wilkurra Sandplains and dunefields with belah and rosewood 1/07/2012 Arumpo Sandplains and dunefields with mallee 18991230 Gulthul Sandplains and dunefields with mallee 18991230 Marma Scalded plains	Mallee Belah and Bluebush Mallee Mallee Saltbush Plains	Dunefields Parallel dunes and sandplains with narrow calcareous swales Sandplain Level sandplain with belah Dunefields Parallel dunes and sandplains with narrow calcareous swales Sandplain Extensive plain between the Darling and Murrumbidgee Rivers. Alluvial plains Ill-defined scalded drainage tracts associated with the Riverine Plain.

TT BH 7	725898 6211254 Dec 2014 EA Survey	60 70 Level to very gently inclined Chenopod		18991230 Marma Scalded plains		ial plains III-defined scalded drainage tracts associated with the Riverine Plain.
TT BH 7	725898 6211254 Dec 2014 EA Survey 721428 6211983 Dec 2014 EA Survey	60         70 Level to very gently inclined         Chenopod           60         70 Level to very gently inclined         Chenopod		18991230     Rata     Riverine plain with saltbush and bluebush       18991230     Hatfield     Undulating sandplains with bluebush		rial plains Extensive saltbush plain with small subcircular depressions.  plain Extensive undulating plains with bluebush
TT BH 7	721428 6211983 Dec 2014 EA Survey	60 70 Level to very gently inclined Chenopod		18991230 Marma Scalded plains	Saltbush Plains Allu	rial plains III-defined scalded drainage tracts associated with the Riverine Plain.
TT BH 7 Tw 1	721428 6211983 Dec 2014 EA Survey 722772 6192268 2012 EA Survey	60 70 Level to very gently inclined Chenopod 60 40 Level to very gently inclined	See Hamm and Atkinson (Niche) 2013 and transect recording form	18991230 Rata Riverine plain with saltbush and bluebush 1/07/2012 Marma Scalded plains		rial plains Extensive saltbush plain with small subcircular depressions.  Ill-defined scalded drainage tracts associated with the Riverine Plain.
Tw 1	722772 6192268 2012 EA Survey	60 40 Level to very gently inclined	See Hamm and Atkinson (Niche) 2013 and transect recording form	1/07/2012 Rata Riverine plain with saltbush and bluebush	Saltbush Plains Allu	rial plains Extensive saltbush plain with small subcircular depressions.
Tw 1 Tw 10	722772 6192268 2012 EA Survey 724236 6189293 2012 EA Survey	60	See Hamm and Atkinson (Niche) 2013 and transect recording form  See Hamm and Atkinson (Niche) 2013 and transect recording form	1/07/2012 Youhl Riverine plain with saltbush and bluebush 1/07/2012 Marma Scalded plains		as and Basins Relict lakes adjacent to the Riverine Plain.    III-defined scalded drainage tracts associated with the Riverine Plain.
Tw 10	724236 6189293 2012 EA Survey	60 40 Level to very gently inclined	See Hamm and Atkinson (Niche) 2013 and transect recording form	1/07/2012 Rata Riverine plain with saltbush and bluebush		rial plains Extensive saltbush plain with small subcircular depressions.
Tw 11 Tw 11	721687 6194095 2012 EA Survey 721687 6194095 2012 EA Survey	60 40 Level to very gently inclined 60 40 Level to very gently inclined	See Hamm and Atkinson (Niche) 2013 and transect recording form  See Hamm and Atkinson (Niche) 2013 and transect recording form	1/07/2012 Marma Scalded plains 1/07/2012 Youhl Riverine plain with saltbush and bluebush		rial plains III-defined scalded drainage tracts associated with the Riverine Plain.  as and Basins Relict lakes adjacent to the Riverine Plain.
Tw 12	721007 0194099 2012 EA Survey 724982 6187780 2012 EA Survey	60	See Hamm and Atkinson (Niche) 2013 and transect recording form	1/07/2012 Narma Scalded plains	,	rial plains III-defined scalded drainage tracts associated with the Riverine Plain.
Tw 13	725304 6187027 2012 EA Survey	60 40 Level to very gently inclined	See Hamm and Atkinson (Niche) 2013 and transect recording form	1/07/2012 Marma Scalded plains		vial plains III-defined scalded drainage tracts associated with the Riverine Plain.
Tw 13 Tw 13	725304 6187027 2012 EA Survey 725304 6187027 2012 EA Survey	60	See Hamm and Atkinson (Niche) 2013 and transect recording form  See Hamm and Atkinson (Niche) 2013 and transect recording form	1/07/2012 Rata   Riverine plain with saltbush and bluebush   1/07/2012 Rata   Riverine plain with saltbush and bluebush		rial plains Extensive saltbush plain with small subcircular depressions.  ial plains Extensive saltbush plain with small subcircular depressions.
Tw 14	720000 6194433 2012 EA Survey	60 40 Level to very gently inclined	See Hamm and Atkinson (Niche) 2013 and transect recording form	1/07/2012 Marma Scalded plains		vial plains III-defined scalded drainage tracts associated with the Riverine Plain.
Tw 14 Tw 16	720000 6194433 2012 EA Survey 722892 6190449 2012 EA Survey	60 40 Level to very gently inclined 60 40 Level to very gently inclined Chenopod, belah, grasses	See Hamm and Atkinson (Niche) 2013 and transect recording form  See Hamm and Atkinson (Niche) 2013 and transect recording form	1/07/2012 Rata   Riverine plain with saltbush and bluebush   1/07/2012 Rata   Riverine plain with saltbush and bluebush		rial plains Extensive saltbush plain with small subcircular depressions.
Tw 16	722892 6190449 2012 EA Survey	60 40 Level to very gently inclined Chenopod, belah, grasses	See Hamm and Atkinson (Niche) 2013 and transect recording form	1/07/2012 Rata Riverine plain with saltbush and bluebush		rial plains Extensive saltbush plain with small subcircular depressions.
Tw 16 Tw 17	722892 6190449 2012 EA Survey 722790 6191368 2012 EA Survey	60 40 Level to very gently inclined Chenopod, belah, grasses 60 40 Level to very gently inclined Chenopod, belah, grasses	See Hamm and Atkinson (Niche) 2013 and transect recording form  See Hamm and Atkinson (Niche) 2013 and transect recording form	1/07/2012 Rata   Riverine plain with saltbush and bluebush   1/07/2012 Rata   Riverine plain with saltbush and bluebush		rial plains
Tw 17	722790 6191368 2012 EA Survey	60 40 Level to very gently inclined Pearl Bluebush Low Open Shrubland	See Hamm and Atkinson (Niche) 2013 and transect recording form	1/07/2012 Marma Scalded plains	Saltbush Plains Allu	rial plains III-defined scalded drainage tracts associated with the Riverine Plain.
Tw 18 Tw 18	731083 6174815 2012 EA Survey 731083 6174815 2012 EA Survey	60 40 Level to very gently inclined Pearl Bluebush Low Open Shrubland 60 40 Level to very gently inclined Pearl Bluebush Low Open Shrubland	See Hamm and Atkinson (Niche) 2013 and transect recording form  See Hamm and Atkinson (Niche) 2013 and transect recording form	1/07/2012 Condoulpe Sandplains and dunefields with mallee 1/07/2012 Condoulpe Sandplains and dunefields with mallee		plain   Sandplain between dunefields and the Riverine Plain near Balranald
Tw 2	721135 6194097 2012 EA Survey	60 40 Level to very gently inclined Chenopod	See Hamm and Atkinson (Niche) 2013 and transect recording form	1/07/2012 Marma Scalded plains		vial plains III-defined scalded drainage tracts associated with the Riverine Plain.
Tw 2 Tw 20	721135 6194097 2012 EA Survey 724871 6186923 2012 EA Survey	60	See Hamm and Atkinson (Niche) 2013 and transect recording form  See Hamm and Atkinson (Niche) 2013 and transect recording form	1/07/2012 Youhl Riverine plain with saltbush and bluebush 1/07/2012 Rata Riverine plain with saltbush and bluebush		as and Basins Relict lakes adjacent to the Riverine Plain.  Vial plains Extensive saltbush plain with small subcircular depressions.
Tw 20	724871 6186923 2012 EA Survey 724871 6186923 2012 EA Survey	60 40 Level to very gently inclined	See Hamm and Atkinson (Niche) 2013 and transect recording form	1/07/2012 Rata Riverine plain with saltbush and bluebush	Juliu Juliu	rial plains   Extensive saltbush plain with small subcircular depressions.
Tw 3 Tw 4	720418 6194857 2012 EA Survey	60 40 Level to very gently inclined	See Hamm and Atkinson (Niche) 2013 and transect recording form	1/07/2012 Youhl Riverine plain with saltbush and bluebush		as and Basins Relict lakes adjacent to the Riverine Plain.
Tw 4	720124 6193682 2012 EA Survey 720124 6193682 2012 EA Survey	60	See Hamm and Atkinson (Niche) 2013 and transect recording form  See Hamm and Atkinson (Niche) 2013 and transect recording form	1/07/2012 Marma Scalded plains 1/07/2012 Rata Riverine plain with saltbush and bluebush		rial plains III-defined scalded drainage tracts associated with the Riverine Plain. rial plains Extensive saltbush plain with small subcircular depressions.
Tw 5	722855 6189474 2012 EA Survey	60 40 Level to very gently inclined	See Hamm and Atkinson (Niche) 2013 and transect recording form	1/07/2012 Rata Riverine plain with saltbush and bluebush		rial plains Extensive saltbush plain with small subcircular depressions.
Tw 5 Tw 5	722855 6189474 2012 EA Survey 722855 6189474 2012 EA Survey	60 40 Level to very gently inclined Chenopod, belah, grasses 60 40 Level to very gently inclined Chenopod, belah, grasses	See Hamm and Atkinson (Niche) 2013 and transect recording form  See Hamm and Atkinson (Niche) 2013 and transect recording form	1/07/2012 Rata Riverine plain with saltbush and bluebush 1/07/2012 Rata Riverine plain with saltbush and bluebush		rial plains Extensive saltbush plain with small subcircular depressions.  rial plains Extensive saltbush plain with small subcircular depressions.
Tw 5	722855 6189474 2012 EA Survey	60 40 Level to very gently inclined Pearl Bluebush Low Open Shrubland	See Hamm and Atkinson (Niche) 2013 and transect recording form	1/07/2012 Rata Riverine plain with saltbush and bluebush	Saltbush Plains Allu	rial plains Extensive saltbush plain with small subcircular depressions.
Tw 5 Tw 5	722855 6189474 2012 EA Survey 723418 6189626 CA 20131015 garmin 046 and Pt	60 40 Level to very gently inclined Pearl Bluebush Low Open Shrubland 60 40 Level to very gently inclined Pearl Bluebush Low Open Shrubland	See Hamm and Atkinson (Niche) 2013 and transect recording form	1/07/2012 Rata Riverine plain with saltbush and bluebush 15/10/2013 Rata Riverine plain with saltbush and bluebush		rial plains Extensive saltbush plain with small subcircular depressions.  rial plains Extensive saltbush plain with small subcircular depressions.
Tw 5	722855 6189474 2012 EA Survey	60 40 Level to very gently inclined Pearl Bluebush Low Open Shrubland	See Hamm and Atkinson (Niche) 2013 and transect recording form	1/07/2012 Rata Riverine plain with saltbush and bluebush	Saltbush Plains Allu	rial plains Extensive saltbush plain with small subcircular depressions.
Tw 5 Tw 6	722855 6189474 2012 EA Survey 725626 6186896 2012 EA Survey	60         40 Level to very gently inclined         Chenopod           60         40 Level to very gently inclined         Chenopod	See Hamm and Atkinson (Niche) 2013 and transect recording form  See Hamm and Atkinson (Niche) 2013 and transect recording form	1/07/2012 Rata Riverine plain with saltbush and bluebush 1/07/2012 Hatfield Undulating sandplains with bluebush		rial plains Extensive saltbush plain with small subcircular depressions.  plain Extensive undulating plains with bluebush
Tw 6	725626 6186896 2012 EA Survey	60 40 Level to very gently inclined Chenopod	See Hamm and Atkinson (Niche) 2013 and transect recording form	1/07/2012 Marma Scalded plains	Saltbush Plains Allu	rial plains III-defined scalded drainage tracts associated with the Riverine Plain.
Tw 6	725587 6187089 Sample Area 2: - 725626 6186896 2012 EA Survey	60         40 Level to very gently inclined         Chenopod           60         40 Level to very gently inclined         Chenopod	See Hamm and Atkinson (Niche) 2013 and transect recording form  See Hamm and Atkinson (Niche) 2013 and transect recording form	18991230   Marma   Scalded plains   1/07/2012   Marma   Scalded plains		rial plains III-defined scalded drainage tracts associated with the Riverine Plain.  rial plains III-defined scalded drainage tracts associated with the Riverine Plain.
Tw 6	725671 6186632 Sample Area 4	60 40 Level to very gently inclined Chenopod	See Hamm and Atkinson (Niche) 2013 and transect recording form	18991230 Marma Scalded plains		rial plains III-defined scalded drainage tracts associated with the Riverine Plain.
Tw 6 Tw 6	725626 6186896 2012 EA Survey 725488 6186765 Sample Area 3	60         40 Level to very gently inclined         Chenopod           60         40 Level to very gently inclined         Chenopod	See Hamm and Atkinson (Niche) 2013 and transect recording form	1/07/2012 Marma Scalded plains 18991230 Marma Scalded plains		rial plains III-defined scalded drainage tracts associated with the Riverine Plain.
Tw 6	725626 6186896 2012 EA Survey	60 40 Level to very gently inclined Chenopod	See Hamm and Atkinson (Niche) 2013 and transect recording form  See Hamm and Atkinson (Niche) 2013 and transect recording form	18991230         Marma         Scalded plains           1/07/2012         Marma         Scalded plains		rial plains III-defined scalded drainage tracts associated with the Riverine Plain. rial plains III-defined scalded drainage tracts associated with the Riverine Plain.
Tw 6	725587 6187089 Sample Area 2	60 40 Level to very gently inclined Chenopod	See Hamm and Atkinson (Niche) 2013 and transect recording form	18991230 Marma Scalded plains 1/07/2012 Marma Scalded plains		vial plains III-defined scalded drainage tracts associated with the Riverine Plain.
Tw 6 Tw 6	725626 6186896 2012 EA Survey 725694 6186911 Sample Area 1	60         40 Level to very gently inclined         Chenopod           60         40 Level to very gently inclined         Chenopod	See Hamm and Atkinson (Niche) 2013 and transect recording form  See Hamm and Atkinson (Niche) 2013 and transect recording form	1/07/2012   Marma   Scalded plains     18991230   Marma   Scalded plains		rial plains III-defined scalded drainage tracts associated with the Riverine Plain.  rial plains III-defined scalded drainage tracts associated with the Riverine Plain.
Tw 6	725626 6186896 2012 EA Survey	60 40 Level to very gently inclined Chenopod	See Hamm and Atkinson (Niche) 2013 and transect recording form	1/07/2012 Rata Riverine plain with saltbush and bluebush		rial plains Extensive saltbush plain with small subcircular depressions.
Tw 6 Tw 6	725626 6186896 2012 EA Survey 725488 6186765 Sample Area 3	60         40 Level to very gently inclined         Chenopod           60         40 Level to very gently inclined         Chenopod	See Hamm and Atkinson (Niche) 2013 and transect recording form  See Hamm and Atkinson (Niche) 2013 and transect recording form	1/07/2012 Rata   Riverine plain with saltbush and bluebush   18991230   Rata   Riverine plain with saltbush and bluebush		rial plains Extensive saltbush plain with small subcircular depressions.  Fial plains Extensive saltbush plain with small subcircular depressions.
Tw 7	722844 6190877 2012 EA Survey	60 40 Level to very gently inclined Chenopod, belah, grasses	See Hamm and Atkinson (Niche) 2013 and transect recording form	1/07/2012 Rata Riverine plain with saltbush and bluebush	Saltbush Plains Allu	rial plains Extensive saltbush plain with small subcircular depressions.
Tw 7 Tw 8	722844 6190877 2012 EA Survey 726837 6184733 2012 EA Survey	60 40 Level to very gently inclined Chenopod, belah, grasses 60 40 Level to very gently inclined	See Hamm and Atkinson (Niche) 2013 and transect recording form  See Hamm and Atkinson (Niche) 2013 and transect recording form	1/07/2012 Rata Riverine plain with saltbush and bluebush 1/07/2012 Condoulpe Sandplains and dunefields with mallee		rial plains Extensive saltbush plain with small subcircular depressions.    plain   Sandplain between dunefields and the Riverine Plain near Balranald
Tw 8	726837 6184733 2012 EA Survey	60 40 Level to very gently inclined	See Hamm and Atkinson (Niche) 2013 and transect recording form	1/07/2012 Hatfield Undulating sandplains with bluebush	Belah and Bluebush Sand	plain Extensive undulating plains with bluebush
Tw 9 TWS Option 1 - 4	723135 6190998 2012 EA Survey 737957 6172008 Town Water Supply Alternative	60 40 Level to very gently inclined 60 40 Level to very gently inclined Chenopod Sandplain Mallee Woodland	See Hamm and Atkinson (Niche) 2013 and transect recording form road construction and maintenance, fences, drains, services	1/07/2012 Rata Riverine plain with saltbush and bluebush 18991230 Condoulpe Sandplains and dunefields with mallee		rial plains Extensive saltbush plain with small subcircular depressions.    plain   Sandplain between dunefields and the Riverine Plain near Balranald
TWS Option 1 - 4	737957 6172008 Town Water Supply Alternative	60 40 Level to very gently inclined Chenopod Sandplain Mallee Woodland	road construction and maintenance, fences, drains, services	18991230 Riverland Floodplains with black box and/or river red gum		vial plains Murray, Murrumbidgee, Edward and Wakool Rivers and their floodplains
TWS Option 1 - 4 TWS Option 1 - 4	737957 6172008 Town Water Supply Alternative 737957 6172008 Town Water Supply Alternative	60 40 Level to very gently inclined Chenopod Sandplain Mallee Woodland 60 40 Level to very gently inclined Chenopod Sandplain Mallee Woodland	road constructionnd maintenance, fences	30/10/2013 Riverland Floodplains with black box and/or river red gum 30/10/2013 Condoulpe Sandplains and dunefields with mallee		rial plains Murray, Murrumbidgee, Edward and Wakool Rivers and their floodplains    Plain   Sandplain between dunefields and the Riverine Plain near Balranald
TWS Option 1 - 5	739740 6171510 Town Water Supply Preferred O	60 40 Level to very gently inclined Chenopod Sandplain Maliee Woodland	road constructionid maintenance, fences	18991230 Riverland Floodplains with black box and/or river red gum		rial plains Murray, Murrumbidgee, Edward and Wakool Rivers and their floodplains
TWS Option 1 - 5	739740 6171510 Town Water Supply Preferred O	60 40 Level to very gently inclined Chenopod Sandplain Mallee Woodland 60 40 Level to very gently inclined Chenopod Sandplain Mallee Woodland	road constructionnd maintenance, fences	30/10/2013 Riverland Floodplains with black box and/or river red gum		ial plains Murray, Murrumbidgee, Edward and Wakool Rivers and their floodplains
TWS Option 1 - 6 TWS Option 1 - Alternative - 6	741563 6171022 Town Water Supply Preferred O 741057 6171618 Town Water Supply Alternative	60 40 Level to very gently inclined Chenopod Sandplain Mallee Woodland 60 40 Level to very gently inclined Chenopod Sandplain Mallee Woodland	road constructionnd maintenance, fences road constructionnd maintenance, fences	18991230 Riverland Floodplains with black box and/or river red gum 18991230 Riverland Floodplains with black box and/or river red gum		rial plains Murray, Murrumbidgee, Edward and Wakool Rivers and their floodplains rial plains Murray, Murrumbidgee, Edward and Wakool Rivers and their floodplains
TWS Option 1 -1	737091 6172357 Town Water Supply Preferred O	60 40 Level to very gently inclined Chenopod Sandplain Mallee Woodland	road constructionnd maintenance, fences	18991230 Condoulpe Sandplains and dunefields with mallee		plain Sandplain between dunefields and the Riverine Plain near Balranald
TWS Option 1 -1 TWS Option 1 -2	737091 6172357 Town Water Supply Preferred O 737128 6172700 Town Water Supply Preferred O	60 40 Level to very gently inclined Chenopod Sandplain Mallee Woodland 60 40 Level to very gently inclined Chenopod Sandplain Mallee Woodland	road constructionnd maintenance, fences road constructionnd maintenance, fences	30/10/2013 Condoulpe Sandplains and dunefields with mallee  18991230 Condoulpe Sandplains and dunefields with mallee		plain Sandplain between dunefields and the Riverine Plain near Balranald  plain Sandplain between dunefields and the Riverine Plain near Balranald
TWS Option 1 -2	737128 6172700 Town Water Supply Preferred O	60 40 Level to very gently inclined Chenopod Sandplain Mallee Woodland	road constructionnd maintenance, fences	30/10/2013 Condoulpe Sandplains and dunefields with mallee		plain Sandplain between dunefields and the Riverine Plain near Balranald
TWS Option 1 -3 TWS Option 1 -3	737164 6173235 Town Water Supply Preferred O	60 40 Level to very gently inclined Chenopod Sandplain Mallee Woodland 60 40 Level to very gently inclined Chenopod Sandplain Mallee Woodland	road constructionnd maintenance, fences road constructionnd maintenance, fences	18991230 Condoulpe Sandplains and dunefields with mallee 30/10/2013 Condoulpe Sandplains and dunefields with mallee		plain Sandplain between dunefields and the Riverine Plain near Balranald  plain Sandplain between dunefields and the Riverine Plain near Balranald
TWS Option 2 -1	735981 6164445 Town Water Supply Option 2A	60 40 Level to very gently inclined Chenopod Sandplain Mallee Woodland	road constructionnd maintenance, fences	18991230 Condoulpe Sandplains and dunefields with mallee	Mallee Sand	plain Sandplain between dunefields and the Riverine Plain near Balranald
TWS Option 2 -1 TWS Option 2 -1	735981 6164445 Town Water Supply Option 2A 735981 6164445 Town Water Supply Option 2A	60 40 Level to very gently inclined Chenopod Sandplain Mallee Woodland 60 40 Level to very gently inclined Chenopod Sandplain Mallee Woodland	road constructionnd maintenance, fences road constructionnd maintenance, fences	30/10/2013 Condoulpe Sandplains and dunefields with mallee 30/10/2013 Condoulpe Sandplains and dunefields with mallee		plain Sandplain between dunefields and the Riverine Plain near Balranald  plain Sandplain between dunefields and the Riverine Plain near Balranald
TWS Option 2 -1	735981 6164445 Town Water Supply Option 2A	60 40 Level to very gently inclined Chenopod Sandplain Mallee Woodland	road constructionnd maintenance, fences	30/10/2013 Condoulpe Sandplains and dunefields with mallee	Mallee Sand	plain Sandplain between dunefields and the Riverine Plain near Balranald
TWS Option 2 -1 TWS Option 2 -2	735981 6164445 Town Water Supply Option 2A 735679 6167364 Town Water Supply Option 2A	60 40 Level to very gently inclined Chenopod Sandplain Mallee Woodland 60 40 Level to very gently inclined Chenopod Sandplain Mallee Woodland	road constructionnd maintenance, fences road constructionnd maintenance, fences	15/10/2013 Condoulpe Sandplains and dunefields with mallee  18991230 Condoulpe Sandplains and dunefields with mallee		plain Sandplain between dunefields and the Riverine Plain near Balranald plain Sandplain between dunefields and the Riverine Plain near Balranald
TWS Option 2 -2	735679 6167364 Town Water Supply Option 2A	60 40 Level to very gently inclined Chenopod Sandplain Mallee Woodland	road constructionnd maintenance, fences	30/10/2013 Condoulpe Sandplains and dunefields with mallee	Mallee Sand	plain Sandplain between dunefields and the Riverine Plain near Balranald  Sandplain between dunefields and the Riverine Plain near Balranald
TWS Option 2 -3 TWS Option 2 -3	735969 6170524 Town Water Supply Option 2A 735969 6170524 Town Water Supply Option 2A	60 40 Level to very gently inclined Chenopod Sandplain Mallee Woodland 60 40 Level to very gently inclined Chenopod Sandplain Mallee Woodland	road constructionnd maintenance, fences	18991230 Condoulpe Sandplains and dunefields with mallee 30/10/2013 Condoulpe Sandplains and dunefields with mallee		plain Sandplain between dunefields and the Riverine Plain near Balranald plain Sandplain between dunefields and the Riverine Plain near Balranald
TWS Option 2 -4	735969 6170524 Town Water Supply Option 2A 736671 6171825 Town Water Supply Option 2A	60 40 Level to very gently inclined Chenopod Sandplain Mallee Woodland	road constructionnd maintenance, fences road constructionnd maintenance, fences	18991230 Condoulpe Sandplains and dunefields with mallee		plain Sandplain between dunefields and the Riverine Plain near Balranald  Sandplain between dunefields and the Riverine Plain near Balranald
TWS Option 2 -4	736671 6171825 Town Water Supply Option 2A	60 40 Level to very gently inclined Chenopod Sandplain Mallee Woodland 60 40 Level to very gently inclined Chenopod Sandplain Mallee Woodland	road constructionnd maintenance, fences	30/10/2013 Condoulpe Sandplains and dunefields with mallee 30/10/2013 Condoulpe Sandplains and dunefields with mallee	Mallee Sand	plain Sandplain between dunefields and the Riverine Plain near Balranald
TWS Option 2 -4 TWS Option 2A -1	736671 6171825 Town Water Supply Option 2A	pur guillever to very gently inclined if henonod Sandnlain Mallee Woodland	road constructioned maintenance tences	1 Sur 11/2 (U.S.), on gouine   (Sandplains and dunefields with mallee	Mallee Sand	plain Sandplain between dunefields and the Riverine Plain near Balranald
	735308 6163431 Town Water Supply Option 2A	60 40 Level to very gently inclined Chenopod Sandplain Mallee Woodland	road constructionnd maintenance, fences	18991230 Condoulpe Sandplains and dunefields with mallee	Mallee Sand	plain Sandplain between dunefields and the Riverine Plain near Balranald
TWS Option 2A -1	735308 6163431 Town Water Supply Option 2A 735308 6163431 Town Water Supply Option 2A	60 40 Level to very gently inclined Chenopod Sandplain Mallee Woodland 60 40 Level to very gently inclined Chenopod Sandplain Mallee Woodland	road constructionnd maintenance, fences road constructionnd maintenance, fences	18991230 Condoulpe Sandplains and dunefields with mallee 18991230 Riverland Floodplains with black box and/or river red gum	Southern Riverine Woodlands Allu	rial plains Murray, Murrumbidgee, Edward and Wakool Rivers and their floodplains
TWS Option 2A -1 TWS Option 2A -1 TWS Option 2A -2	735308 6163431 Town Water Supply Option 2A	60 40 Level to very gently inclined Chenopod Sandplain Mallee Woodland	road constructionnd maintenance, fences	18991230 Condoulpe Sandplains and dunefields with mallee	Southern Riverine Woodlands Allu Mallee Sand	
TWS Option 2A -1 TWS Option 2A -2 TWS Option 2A -2	735308 6163431 Town Water Supply Option 2A 735308 6163431 Town Water Supply Option 2A 735308 6163431 Town Water Supply Option 2A 735704 6163876 Town Water Supply Option 2A 735704 6163876 Town Water Supply Option 2A	60     40 Level to very gently inclined     Chenopod Sandplain Mallee Woodland       60     40 Level to very gently inclined     Chenopod Sandplain Mallee Woodland       60     40 Level to very gently inclined     Chenopod Sandplain Mallee Woodland       60     40 Level to very gently inclined     Chenopod Sandplain Mallee Woodland       60     40 Level to very gently inclined     Chenopod Sandplain Mallee Woodland       60     40 Level to very gently inclined     Chenopod Sandplain Mallee Woodland	road constructionnd maintenance, fences	18991230 Condoulpe Sandplains and dunefields with mallee 18991230 Riverland Floodplains with black box and/or river red gum Sandplains and dunefields with mallee 18991230 Condoulpe Sandplains and dunefields with mallee Sandplains and dunefields with mallee Sandplains and dunefields with mallee	Southern Riverine Woodlands Allumallee Sand Mallee San	ial plains Murray, Murrumbidgee, Edward and Wakool Rivers and their floodplains plain Sandplain between dunefields and the Riverine Plain near Balranald plain Sandplain between dunefields and the Riverine Plain near Balranald plain Sandplain between dunefields and the Riverine Plain near Balranald
TWS Option 2A -1 TWS Option 2A -2 TWS Option 2A -2 TWS Option 2A -2 TWS Option 2A -2	735308 6163431 Town Water Supply Option 2A 735308 6163431 Town Water Supply Option 2A 735308 6163431 Town Water Supply Option 2A 735704 6163876 Town Water Supply Option 2A 735704 6163876 Town Water Supply Option 2A 735704 6163876 Town Water Supply Option 2A	60         40 Level to very gently inclined         Chenopod Sandplain Mallee Woodland           60         40 Level to very gently inclined         Chenopod Sandplain Mallee Woodland           60         40 Level to very gently inclined         Chenopod Sandplain Mallee Woodland           60         40 Level to very gently inclined         Chenopod Sandplain Mallee Woodland           60         40 Level to very gently inclined         Chenopod Sandplain Mallee Woodland           60         40 Level to very gently inclined         Chenopod Sandplain Mallee Woodland	road constructionnd maintenance, fences	18991230 Condoulpe Sandplains and dunefields with mallee 18991230 Riverland Floodplains with black box and/or river red gum 30/10/2013 Condoulpe Sandplains and dunefields with mallee 30/10/2013 Condoulpe Sandplains and dunefields with mallee 30/10/2013 Condoulpe Sandplains and dunefields with mallee	Southern Riverine Woodlands   Allu   Mallee   San   Mallee	ial plains Murray, Murrumbidgee, Edward and Wakool Rivers and their floodplains plain Sandplain between dunefields and the Riverine Plain near Balranald plain Sandplain between dunefields and the Riverine Plain near Balranald plain Sandplain between dunefields and the Riverine Plain near Balranald plain Sandplain between dunefields and the Riverine Plain near Balranald
TWS Option 2A - 1 TWS Option 2A - 2	735308 6163431 Town Water Supply Option 2A 735308 6163431 Town Water Supply Option 2A 735308 6163431 Town Water Supply Option 2A 735704 6163876 Town Water Supply Option 2A	60         40 Level to very gently inclined         Chenopod Sandplain Mallee Woodland           60         40 Level to very gently inclined         Chenopod Sandplain Mallee Woodland           60         40 Level to very gently inclined         Chenopod Sandplain Mallee Woodland           60         40 Level to very gently inclined         Chenopod Sandplain Mallee Woodland           60         40 Level to very gently inclined         Chenopod Sandplain Mallee Woodland           60         40 Level to very gently inclined         Chenopod Sandplain Mallee Woodland           60         40 Level to very gently inclined         Chenopod Sandplain Mallee Woodland           60         40 Level to very gently inclined         Chenopod Sandplain Mallee Woodland	road constructionnd maintenance, fences	18991230 Condoulpe Sandplains and dunefields with mallee 18991230 Gondoulpe Sandplains with black box and/or river red gum Sandplains and dunefields with mallee 30/10/2013 Condoulpe Sandplains and dunefields with mallee 30/10/2013 Condoulpe Sandplains and dunefields with mallee	Southern Riverine Woodlands         Allu           Mallee         Sann	ial plains Murray, Murrumbidgee, Edward and Wakool Rivers and their floodplains plain Sandplain between dunefields and the Riverine Plain near Balranald plain Sandplain between dunefields and the Riverine Plain are Balranald plain Sandplain between dunefields and the Riverine Plain near Balranald plain Sandplain between dunefields and the Riverine Plain near Balranald plain Sandplain between dunefields and the Riverine Plain ear Balranald plain Sandplain between dunefields and the Riverine Plain near Balranald plain Sandplain between dunefields and the Riverine Plain near Balranald
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TWS Option 2A - 1 TWS Option 2A - 2 TWS Option 2B - 1 TWS Option 2B - 1	735308 6163431 Town Water Supply Option 2A 735308 6163431 Town Water Supply Option 2A 735308 6163431 Town Water Supply Option 2A 735704 6163876 Town Water Supply Option 2A 736043 6163943 Town Water Supply Option 2B	60         40 Level to very gently inclined         Chenopod Sandplain Mallee Woodland           60         40 Level to very gently inclined         Chenopod Sandplain Mallee Woodland           60         40 Level to very gently inclined         Chenopod Sandplain Mallee Woodland           60         40 Level to very gently inclined         Chenopod Sandplain Mallee Woodland           60         40 Level to very gently inclined         Chenopod Sandplain Mallee Woodland           60         40 Level to very gently inclined         Chenopod Sandplain Mallee Woodland           60         40 Level to very gently inclined         Chenopod Sandplain Mallee Woodland           60         40 Level to very gently inclined         Chenopod Sandplain Mallee Woodland           60         40 Level to very gently inclined         Chenopod Sandplain Mallee Woodland           60         40 Level to very gently inclined         Chenopod Sandplain Mallee Woodland           60         40 Level to very gently inclined         Chenopod Sandplain Mallee Woodland	road constructionnd maintenance, fences	18991230 Condoulpe Sandplains and dunefields with mallee 18991230 Gondoulpe Sandplains with black box and/or river red gum Sandplains and dunefields with mallee 30/10/2013 Condoulpe Sandplains and dunefields with mallee 30/10/2013 Condoulpe Sandplains and dunefields with mallee	Southern Riverine Woodlands Allu Mallee Sann	ial plains Murray, Murrumbidgee, Edward and Wakool Rivers and their floodplains  plain Sandplain between dunefields and the Riverine Plain near Balranald  plain Sandplain between dunefields and the Riverine Plain are Balranald  plain Sandplain between dunefields and the Riverine Plain near Balranald  plain Sandplain between dunefields and the Riverine Plain near Balranald  plain Sandplain between dunefields and the Riverine Plain near Balranald  plain Sandplain between dunefields and the Riverine Plain near Balranald  plain Sandplain between dunefields and the Riverine Plain near Balranald  plain Sandplain between dunefields and the Riverine Plain near Balranald  plain Sandplain between dunefields and the Riverine Plain near Balranald  plain Sandplain between dunefields and the Riverine Plain near Balranald  plain Sandplain between dunefields and the Riverine Plain near Balranald  plain Sandplain between dunefields and the Riverine Plain near Balranald
TWS Option 2A -1 TWS Option 2A -2 TWS Option 2B -1 TWS Option 2B -1 TWS Option 2B -1 TWS Option 2B -1	735308 6163431 Town Water Supply Option 2A 735308 6163431 Town Water Supply Option 2A 735308 6163431 Town Water Supply Option 2A 735704 6163876 Town Water Supply Option 2A 735704 3163876 Town Water Supply Option 2A 735043 6163943 Town Water Supply Option 2B 736043 6163943 Town Water Supply Option 2B	40   Level to very gently inclined   Chenopod Sandplain Mallee Woodland     40   Level to very gently inclined   Chenopod Sandplain Mallee Woodland     40   Level to very gently inclined   Chenopod Sandplain Mallee Woodland     40   Level to very gently inclined   Chenopod Sandplain Mallee Woodland     40   Level to very gently inclined   Chenopod Sandplain Mallee Woodland     40   Level to very gently inclined   Chenopod Sandplain Mallee Woodland     40   Level to very gently inclined   Chenopod Sandplain Mallee Woodland     40   Level to very gently inclined   Chenopod Sandplain Mallee Woodland     40   Level to very gently inclined   Chenopod Sandplain Mallee Woodland     40   Level to very gently inclined   Chenopod Sandplain Mallee Woodland     40   Level to very gently inclined   Chenopod Sandplain Mallee Woodland     40   Level to very gently inclined   Chenopod Sandplain Mallee Woodland     40   Level to very gently inclined   Chenopod Sandplain Mallee Woodland     40   Level to very gently inclined   Chenopod Sandplain Mallee Woodland     40   Level to very gently inclined   Chenopod Sandplain Mallee Woodland     40   Level to very gently inclined   Chenopod Sandplain Mallee Woodland	road constructionnd maintenance, fences	18991230 Condoulpe Sandplains and dunefields with mallee	Southern Riverine Woodlands Allu Mallee Sann	ial plains Murray, Murrumbidgee, Edward and Wakool Rivers and their floodplains plain Sandplain between dunefields and the Riverine Plain near Balranald plain Sandplain between dunefields and the Riverine Plain near Balranald plain Sandplain between dunefields and the Riverine Plain near Balranald plain Sandplain between dunefields and the Riverine Plain near Balranald plain Sandplain between dunefields and the Riverine Plain near Balranald plain Sandplain between dunefields and the Riverine Plain near Balranald plain Sandplain between dunefields and the Riverine Plain near Balranald plain Sandplain between dunefields and the Riverine Plain near Balranald plain Sandplain between dunefields and the Riverine Plain near Balranald plain Sandplain between dunefields and the Riverine Plain near Balranald plain Sandplain between dunefields and the Riverine Plain near Balranald plain Sandplain between dunefields and the Riverine Plain near Balranald Sandplain between dunefields and the Riverine Plain near Balranald
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BH 11	717999 6204897 Dec 2014 EA Survey	50 50 Level to v	very gently inclined	Bladder Saltbush Low Open Shrubland	natural, stock	18991230 Marma	Scalded plains	Saltbush Plains	Alluvial plains	III-defined scalded drainage tracts associated with the Riverine Plai
BH 11	717999 6204897 Dec 2014 EA Survey			Bladder Saltbush Low Open Shrubland	natural, stock	18991230 Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
BH 12	719145 6206991 Dec 2014 EA Survey			Bladder Saltbush Low Open Shrubland	natural, stock	18991230 Marma	Scalded plains	Saltbush Plains	Alluvial plains	III-defined scalded drainage tracts associated with the Riverine Plai
3H 12	719145 6206991 Dec 2014 EA Survey			Bladder Saltbush Low Open Shrubland	natural, stock	18991230 Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
3H 12	718799 6206905 Dec 2014 EA Survey			Bladder Saltbush Low Open Shrubland	natural, stock	18991230 Marma	Scalded plains	Saltbush Plains	Alluvial plains	III-defined scalded drainage tracts associated with the Riverine Pla
H 12	718799 6206905 Dec 2014 EA Survey			Bladder Saltbush Low Open Shrubland	natural, stock	18991230 Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
BH 12	718538 6207752 Dec 2014 EA Survey			Bladder Saltbush Low Open Shrubland	natural, stock	18991230 Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
3H 12	718601 6207295 Dec 2014 EA Survey			Bladder Saltbush Low Open Shrubland	natural, stock	18991230 Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive salthush plain with small subcircular depressions
3H 12	717194 6204579 Dec 2014 EA Survey					18991230 Marma	Scalded plains	Saltbush Plains		Extensive satisfaction plant with small subcircular depressions.
				Bladder Saltbush Low Open Shrubland	natural, stock	18991230 INIAITIIA		Saltbush Plains	Alluvial plains	III-defined scalded drainage tracts associated with the Riverine Pla
3H 12				Bladder Saltbush Low Open Shrubland	natural, stock		Riverine plain with saltbush and bluebush		Alluvial plains	Extensive saltbush plain with small subcircular depressions.
BH 12	719145 6206991 Dec 2014 EA Survey			Bladder Saltbush Low Open Shrubland	natural, stock	18991230 Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
3H 12	719145 6206991 Dec 2014 EA Survey			Bladder Saltbush Low Open Shrubland	natural, stock	18991230 Marma	Scalded plains	Saltbush Plains	Alluvial plains	III-defined scalded drainage tracts associated with the Riverine Pla
3H 12	719145 6206991 Dec 2014 EA Survey			Bladder Saltbush Low Open Shrubland	natural, stock	18991230 Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
BH 12	718538 6207752 Dec 2014 EA Survey		1 8-11	Bladder Saltbush Low Open Shrubland	natural, stock	18991230 Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
BH 12	718601 6207295 Dec 2014 EA Survey			Bladder Saltbush Low Open Shrubland	natural, stock	18991230 Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
BH 12	719145 6206991 Dec 2014 EA Survey			Bladder Saltbush Low Open Shrubland	natural, stock	18991230 Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
3H 12	718601 6207295 Dec 2014 EA Survey			Bladder Saltbush Low Open Shrubland	natural, stock	18991230 Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
3H 12	718799 6206905 Dec 2014 EA Survey	60 60 Level to v		Bladder Saltbush Low Open Shrubland	natural, stock	18991230 Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
3H 12	718538 6207752 Dec 2014 EA Survey	60 60 Level to v	very gently inclined	Bladder Saltbush Low Open Shrubland	natural, stock	18991230 Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
3H 12	718799 6206905 Dec 2014 EA Survey	60 60 Level to v	very gently inclined	Bladder Saltbush Low Open Shrubland	natural, stock	18991230 Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
3H 12	718601 6207295 Dec 2014 EA Survey	60 60 Level to v	very gently inclined	Bladder Saltbush Low Open Shrubland	natural, stock	18991230 Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
3H 12	718799 6206905 Dec 2014 EA Survey	60 60 Level to v	very gently inclined	Bladder Saltbush Low Open Shrubland	natural, stock	18991230 Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
BH 6	716128 6210473 Dec 2014 EA Survey	90 70 Level to v	very gently inclined	Bladder Saltbush Low Open Shrubland	natural, stock	18991230 Hatfield	Undulating sandplains with bluebush	Belah and Bluebush	Sandplain	Extensive undulating plains with bluebush
3H 6	716128 6210473 Dec 2014 EA Survey	90 70 Level to v	very gently inclined	Bladder Saltbush Low Open Shrubland	natural, stock	18991230 Marma	Scalded plains	Saltbush Plains	Alluvial plains	III-defined scalded drainage tracts associated with the Riverine Pla
3H 6	716128 6210473 Dec 2014 EA Survey			Bladder Saltbush Low Open Shrubland	natural, stock	18991230 Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
3H 6	716128 6210473 Dec 2014 EA Survey			Bladder Saltbush Low Open Shrubland	natural, stock	18991230 Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
BH 6	716128 6210473 Dec 2014 EA Survey			Bladder Saltbush Low Open Shrubland	natural, stock	18991230 Hatfield	Undulating sandplains with bluebush	Belah and Bluebush	Sandplain	Extensive undulating plains with bluebush
72 revisit	725050 6186335 CA 20131015 garmin 005 -			Pearl Bluebush Low Open Shrubland	natural, stock	15/10/2013 Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive andulating plains with shadebash  Extensive saltbush plain with small subcircular depressions.
72 revisit	725050 6186335 CA 20131015 garmin 005 -			Pearl Bluebush Low Open Shrubland	natural, stock	15/10/2013 Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
72 revisit	725050 6186335 CA 20131015 garmin 005 -			Pearl Bluebush Low Open Shrubland	natural, stock	15/10/2013 Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
72 revisit	725050 6186335 CA 20131015 garmin 005 -			Pearl Bluebush Low Open Shrubland	natural, stock	15/10/2013 Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
72 revisit 92 revisit				Pearl Bluebush Low Open Shrubland	natural, stock	15/10/2013 Rata	Riverine plain with saltbush and bluebush	Saltbush Plains Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.  Extensive saltbush plain with small subcircular depressions.
92 revisit				<del></del>		<del></del>	Riverine plain with saltbush and bluebush	Saltbush Plains		
	723195 6189905 CA 20131015 garmin 050		7.0	Pearl Bluebush Low Open Shrubland	natural, stock	15/10/2013 Rata			Alluvial plains	Extensive saltbush plain with small subcircular depressions.
92 revisit	723597 6189508 CA 20131015 garmin 031; 0			Pearl Bluebush Low Open Shrubland	natural, stock	15/10/2013 Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
92 revisit	723195 6189905 CA 20131015 garmin 050			Pearl Bluebush Low Open Shrubland	natural, stock	15/10/2013 Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
92 revisit	723597 6189508 CA 20131015 garmin 031; C			Pearl Bluebush Low Open Shrubland	natural, stock	15/10/2013 Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
92 revisit	723597 6189508 CA 20131015 garmin 031; 0			Pearl Bluebush Low Open Shrubland	natural, stock	15/10/2013 Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
AC 13	715634 6186862 Air Core Drilling		1.9 ,	Belah, Weeds	Vegetation clearance, crops, trampling, access track	13/03/2014 Gulthul	Sandplains and dunefields with mallee	Mallee	Sandplain	Extensive plain between the Darling and Murrumbidgee Rivers.
AC 17	715129 6187742 Air Core Drilling		very gently inclined		Access track / fenceline, grazing	13/03/2014 Gulthul	Sandplains and dunefields with mallee	Mallee	Sandplain	Extensive plain between the Darling and Murrumbidgee Rivers.
AC 18	714638 6188709 Air Core Drilling	50 5 Level to v	very gently inclined	Mallee, Cleared	Vegetation clearance, grazing	13/03/2014 Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the Riverine Plai
AC 19	716363 6188797 Air Core Drilling		very gently inclined	Mallee and bluebush	Vegetation clearance, grazing, access track	11/03/2014 Gulthul	Sandplains and dunefields with mallee	Mallee	Sandplain	Extensive plain between the Darling and Murrumbidgee Rivers.
AC 20	717802 6189354 Air Core Drilling	50 5 Level to v	very gently inclined	Bluebush	Grazing	11/03/2014 Marma	Scalded plains	Saltbush Plains	Alluvial plains	III-defined scalded drainage tracts associated with the Riverine Pla
AC 22	715532 6190063 Air Core Drilling	80 10 Level to v	very gently inclined	Saltbush, Box Trees	Vegetation clearance, trampling, grazing	13/03/2014 Marma	Scalded plains	Saltbush Plains	Alluvial plains	III-defined scalded drainage tracts associated with the Riverine Pla
AC 23	714295 6189401 Air Core Drilling			Bluebush Saltbush	Vegetation clearance, trampling, erosion, grazing	13/03/2014 Marma	Scalded plains	Saltbush Plains	Alluvial plains	III-defined scalded drainage tracts associated with the Riverine Pla
AC 24	713911 6191390 Air Core Drilling	50 5 Level to v	very gently inclined	Bluebush	Gravel extraction, gravel pit, vegetation clearance, grazing	13/03/2014 Marma	Scalded plains	Saltbush Plains	Alluvial plains	III-defined scalded drainage tracts associated with the Riverine Pla
AC 25	715897 6191383 Air Core Drilling		very gently inclined	Bluebush	Grazing	13/03/2014 Marma	Scalded plains	Saltbush Plains	Alluvial plains	III-defined scalded drainage tracts associated with the Riverine Pla
AC 26 Option 1	716734 6191346 Air Core Drilling		very gently inclined		Vegetation clearance, grazing	11/03/2014 Marma	Scalded plains	Saltbush Plains	Alluvial plains	III-defined scalded drainage tracts associated with the Riverine Plai
AC 26 Option 1	716734 6191346 Air Core Drilling			Bluebush	Vegetation clearance, grazing	11/03/2014 Marma	Scalded plains	Saltbush Plains	Alluvial plains	III-defined scalded drainage tracts associated with the Riverine Plai
AC 26 Option 2	716731 6191318 Air Core Drilling			Bluebush	Vegetation clearance, gravels	11/03/2014 Marma	Scalded plains	Salthush Plains	Alluvial plains	III-defined scalded drainage tracts associated with the Riverine Plai
AC 26 Option 2	716731 6191318 Air Core Drilling			Bluebush	Vegetation clearance, gravels	11/03/2014 Marma	Scalded plains	Saltbush Plains	Alluvial plains	III-defined scalded drainage tracts associated with the Riverine Plai
AC 27 Option 1	716908 6192572 Air Core Drilling			Bluebush	Grazing	11/03/2014 Marma	Scalded plains	Saltbush Plains	Alluvial plains	III-defined scalded drainage tracts associated with the Riverine Pla
	716906 6192546 Air Core Drilling			Bluebush			Scalded plains	Saltbush Plains	Alluvial plains	III-defined scalded drainage tracts associated with the Riverine Pla
AC 27 Option 2			very gently inclined I very gently inclined I		Grazing	11/03/2014 Marma	Sandplains and dunefields with mallee			
AC 28 AC 29	714824 6192598 Air Core Drilling				Grazing	13/03/2014 Gulthul		Mallee Saltbush Plains	Sandplain	Extensive plain between the Darling and Murrumbidgee Rivers.
<del></del>	713375 6192484 Air Core Drilling			Saltbush, Bluebush	Grazing	13/03/2014 Rata	Riverine plain with saltbush and bluebush		Alluvial plains	Extensive saltbush plain with small subcircular depressions.
AC 30	713224 6193951 Air Core Drilling			Bluebush	Grazing	13/03/2014 Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
AC 31	714611 6193797 Air Core Drilling			Cleared Bluebush	Gravel extraction ,gravel pit, vegetation clearance, grazing	13/03/2014 Gulthul	Sandplains and dunefields with mallee	Mallee	Sandplain	Extensive plain between the Darling and Murrumbidgee Rivers.
AC 32 - Option 1	716405 6193690 Air Core Drilling		very gently inclined		Grazing	13/03/2014 Marma	Scalded plains	Saltbush Plains	Alluvial plains	III-defined scalded drainage tracts associated with the Riverine Pla
C 32 - Option 2	716429 6193683 Air Core Drilling		7.0	Bluebush	Grazing	13/03/2014 Marma	Scalded plains	Saltbush Plains	Alluvial plains	III-defined scalded drainage tracts associated with the Riverine Pla
C 33 - Option 1	714950 6195566 Air Core Drilling			Bluebush	Vegetation clearance, bluebush	13/03/2014 Marma	Scalded plains	Saltbush Plains	Alluvial plains	III-defined scalded drainage tracts associated with the Riverine Pla
C 33 - Option 1	714950 6195566 Air Core Drilling	50 5 Level to v	very gently inclined I	Bluebush	Vegetation clearance, bluebush	13/03/2014 Marma	Scalded plains	Saltbush Plains	Alluvial plains	III-defined scalded drainage tracts associated with the Riverine Pla
C 33 - Option 2	714930 6195567 Air Core Drilling			Bluebush	Bluebush	13/03/2014 Marma	Scalded plains	Saltbush Plains	Alluvial plains	III-defined scalded drainage tracts associated with the Riverine Pla
.C 33 - Option 2	714930 6195567 Air Core Drilling	50 5 Level to v	very gently inclined	Bluebush	Bluebush	13/03/2014 Marma	Scalded plains	Saltbush Plains	Alluvial plains	III-defined scalded drainage tracts associated with the Riverine Pla
AC 34	713124 6195584 Air Core Drilling			Bluebush	Vegetation clearance, grazing	13/03/2014 Marma	Scalded plains	Saltbush Plains	Alluvial plains	III-defined scalded drainage tracts associated with the Riverine Pla
C 37	717596 6196913 Air Core Drilling		very gently inclined	<del></del>	Grazing	12/03/2014 Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
C 43 - Option 1	718219 6200716 Air Core Drilling		very gently inclined		Grazing, erosion	12/03/2014 Youhl	Riverine plain with saltbush and bluebush	Saltbush Plains		s Relict lakes adjacent to the Riverine Plain.
C 43 - Option 2	718219 0200710 All Core Drilling 718218 6200661 Air Core Drilling		very gently inclined I		Grazing, erosion	12/03/2014 Youhl	Riverine plain with saltbush and bluebush	Saltbush Plains		s Relict lakes adjacent to the Riverine Plain.
C 45	716049 6201901 Air Core Drilling		very gently inclined		Grazing	12/03/2014 Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
.C 46	713942 6202238 Air Core Drilling			Bluebush Saltbush	Grazing	12/03/2014 Marma	Scalded plains	Saltbush Plains	Alluvial plains	III-defined scalded drainage tracts associated with the Riverine Pla
IC 46	713942 6202238 Air Core Drilling 713942 6202238 Air Core Drilling				Grazing	12/03/2014 Marma	Scalded plains Scalded plains	Saltbush Plains	Alluvial plains	III-defined scalded drainage tracts associated with the Riverine Pla
.C 47	713942 6202238 Air Core Drilling 713710 6203856 Air Core Drilling		very gently inclined   I very gently inclined   I		Grazing	12/03/2014 Marma 12/03/2014 Gulthul	Sandplains and dunefields with mallee	Mallee	Sandplain	Extensive plain between the Darling and Murrumbidgee Rivers.
IC 48	713710 6203856 AIT Core Drilling 716773 6204150 Air Core Drilling					12/03/2014 Guithui 12/03/2014 Rata	Riverine plain with saltbush and bluebush	Saltbush Plains		Extensive plain between the Darling and Murrumbiagee Rivers.  Extensive saltbush plain with small subcircular depressions.
IC 49	718597 6203003 Air Core Drilling		very gently inclined		Access tracks, grazing		Riverine plain with saltbush and bluebush		Alluvial plains	
IC 49	718597 6203003 Air Core Drilling 716672 6205074 Air Core Drilling			Bluebush	Grazing, access track and table drain	12/03/2014 Rata		Saltbush Plains Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
				Bluebush	Access tracks, grazing	12/03/2014 Rata	Riverine plain with saltbush and bluebush		Alluvial plains	Extensive saltbush plain with small subcircular depressions.
C 51	716672 6205074 Air Core Drilling			Bladder Saltbush Low Open Shrubland	Access tracks, grazing	12/03/2014 Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
C 52	713851 6205230 Air Core Drilling	<del></del>		Bladder Saltbush Low Open Shrubland	Grazing	12/03/2014 Marma	Scalded plains	Saltbush Plains	Alluvial plains	III-defined scalded drainage tracts associated with the Riverine Pla
C 53	714550 6206310 Air Core Drilling		very gently inclined		Grazing	12/03/2014 Marma	Scalded plains	Saltbush Plains	Alluvial plains	III-defined scalded drainage tracts associated with the Riverine Pla
C 54	716913 6206199 Air Core Drilling		very gently inclined		Access tracks, grazing	12/03/2014 Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
C 57	716915 6207211 Air Core Drilling		very gently inclined		Grazing	12/03/2014 Hatfield	Undulating sandplains with bluebush	Belah and Bluebush	Sandplain	Extensive undulating plains with bluebush
IC 57	716915 6207211 Air Core Drilling			Saltbush	Grazing	12/03/2014 Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
C 58 - Option 1	714177 6207744 Air Core Drilling			Belah Bluebush	Vegetation clearance, grazing	12/03/2014 Hatfield	Undulating sandplains with bluebush	Belah and Bluebush	Sandplain	Extensive undulating plains with bluebush
C 58 - Option 1	714177 6207744 Air Core Drilling		very gently inclined		Vegetation clearance, grazing	12/03/2014 Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
AC 58 - Option 2	714164 6207760 Air Core Drilling	60 5 Level to v	very gently inclined	Belah Bluebush	Vegetation clearance, grazing	12/03/2014 Hatfield	Undulating sandplains with bluebush	Belah and Bluebush	Sandplain	Extensive undulating plains with bluebush
C 58 - Option 2	714164 6207760 Air Core Drilling		very gently inclined	Belah Bluebush	Vegetation clearance, grazing	12/03/2014 Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
AC 59	714149 6209318 Air Core Drilling		very gently inclined		Grazing	12/03/2014 Hatfield	Undulating sandplains with bluebush	Belah and Bluebush	Sandplain	Extensive undulating plains with bluebush
AC 60 - Option 1	717212 6209201 Air Core Drilling		very gently inclined		Grazing	12/03/2014 Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
AC 60 - Option 2	716839 6209322 Air Core Drilling		very gently inclined		Dam construction, earthworks, grazing/trampling	12/03/2014 Hatfield	Undulating sandplains with bluebush	Belah and Bluebush	Sandplain	Extensive undulating plains with bluebush
AC 60 - Option 2	716839 6209322 Air Core Drilling			Cleared	Dam construction, earthworks, grazing/trampling	12/03/2014 Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
AC03	717753 6182881 Air Core Drilling		very gently inclined I		Vegetation clearance, grazing		Sandplains and dunefields with mallee	Mallee	Sandplain	Sandplain between dunefields and the Riverine Plain near Balranal
AC21	717733 6182881 Air Core Drilling 716551 6190103 Air Core Drilling		very gently inclined		Grazing	11/03/2014 Condodipe	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the Riverine Pla
AC63	716331 6190103 Air Core Drilling 716739 6211375 Air Core Drilling	<del>-    </del>		Belah, bluebush		12/03/2014 Hatfield	Undulating sandplains with bluebush	Belah and Bluebush	Sandplain	Extensive undulating plains with bluebush
					Vegetation clearance, grazing					
AC64	714500 6211945 Air Core Drilling		very gently inclined		Vegetation clearance, grazing	12/03/2014 Hatfield	Undulating sandplains with bluebush	Belah and Bluebush	Sandplain	Extensive undulating plains with bluebush
SC 11	732629 6210272 Sonic Core Drilling		very gently inclined		Grading and table drain earthworks up to 7 m off road, grazing.	12/03/2014 Marma	Scalded plains	Saltbush Plains	Alluvial plains	III-defined scalded drainage tracts associated with the Riverine Plai



## **Appendix 6 – Aboriginal Site Descriptions**

Site Name	Transect ID	Site Features	Artefact Count	Other Site Feature	Other Feature Count	Recorder	Date	Site Description	Land system	Range Type	Major Range	Physography	Summary
B1/B10	GWRB Area 2 - 4	Artefacts	40		0	Clare Anderson	10/10/2014	B1 / B10 is a dispersed low density artefact scatter of 40 stone artefacts. 32 artefacts were recorded in the Sample Area B 1, recorded on the 10 October 2014 while 8 artefacts were recorded in the Sample Area B 10 on 17 October 2014. Artefacts were observed in a series of scalds, wash exposures and gullies along the crest and slopes of the southern lunette or calcareous rise of a depression or relict lake which is approximately 1.9km in length and 1.2km in width Greenish-grey clay with the appearance of pelletal clays was observed in exposures on the western shoreline of the lake from the car but this was not inspected as it was beyond the project footprint. The exposures have a similar appearance to Zanci unit clays in the Willandra Lakes area and may indicate a much older underlying strata than that visible at B 1 / B10. It is highly likely that further artefacts will be present in low densities residual soils and subsurface deposits, both within the margins of the recorded B1 / B 10 and in the surrounding landform. It is possible that focal points of higher densities of artefacts may be present in the surrounding landform. It is possible that if artefacts are present in subsurface deposits that they may be quite old in age.	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the Riverine Plain.
B 11	GWRB Area 4 - 7	Artefacts	14		0	Clare Anderson	18/10/2014	B 11 consists of 14 stone artefacts visible in scalds and rills from downward wash. This site is unusual in that is located on the slopes of an east-west running dune and the artefacts tend to be associated with rills which expose fine grey silty, almost ashy, sediment which contrasts with the typical red earths visible. A swale with a vairety of vegetation species is present just below the site. It is possible that further subsurface artefacts or non visible surface artefacts are present both in the site boundaries and beyond the boundaries and these are obscured by the top 5c m of windblown and vegetated sediment. There appear to be slight depressions between 2 and 4m wide in the swale.	Gulthul	Sandplains and dunefields with mallee	Mallee	Sandplain	Extensive plain between the Darling and Murrumbidgee Rivers.
B 12	GWRB Area 4 - 7	Artefacts	6		0	Clare Anderson	18/10/2014	B 12 site is an artefact scatter, low density, of six silcrete flakes in an eroding dune slope overlooking a dune swale. This site is unusual in that is located on the slopes of an east-west running dune and the artefacts tend to be associated with rills which expose fine grey silty, almost ashy, sediment which contrasts with the typical red earths visible. A varety of vegetation species is present in the swale. It is possible that further subsurface artefacts or non visible surface artefacts are present both in the site boundaries and beyond the boundaries and these are obscured by the top 5c m of windblown and vegetated sediment, corroborated by the presence of Aboriginal site B 11 75m to the east. There appear to be slight depressions between 2 and 4m wide in the swale.	Gulthul	Sandplains and dunefields with mallee	Mallee	Sandplain	Extensive plain between the Darling and Murrumbidgee Rivers.
B 14	GWRB Area 2 - 6	Artefacts	3		0	Nicolas Grguric	17/10/2014	B 14 is a small low density surface artefact scatter associated with a soak in mallee dunefields	Gulthul	Sandplains and dunefields with mallee	Mallee	Sandplain	Extensive plain between the Darling and Murrumbidgee Rivers.
B 15	Car stop	Culturally Modified Tree	0	Culturally modified tree	2	Clare Anderson	15/10/2014	B 15 comprises a natural landscape feature (billabong) with at least two culturally modified trees. The billabong was outside the area of inspection so a GPS co-ordinate and photo was taken but was not properly inspected. It is possible that further culturally modified trees and artefacts may be present in or near this location.	Gulthul	Sandplains and dunefields with mallee	Mallee	Sandplain	Extensive plain between the Darling and Murrumbidgee Rivers.
B 16	GWRB Area 2 - 9	Isolated Artefact	1		0	Clare Anderson	17/10/2014	B 16 is a single isolated utilised silcrete flake located in a small exposure near a clump of belah trees, approximately 350 m east of Aboriginal site B1 / B10 and the margins of a lake/depression. Occassional isolated artefacts may be present in residual soils in the surrounding landscape. It is not evident from the exposure whether there is a layer of windblown sediment which is obscuring a buried deposit.	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the Riverine Plain.
B 17/B 19/B 26/B 27/B 28	IB 5 - S - AA	Artefacts	110		0	Amanda Atkinson	8/12/2014	A typical, large moderate density artefact scatter located in a series of scalds across 230 m x 150 m. The site was recorded in fivesample/exposure areas - B 17 (715240. 6216778) B 19 (715368.6216815), B 26 (7153264. 6216713), B 27 (715364. 6216688), B 28 (715364. 6216647). The site contains a range of artefact types including retouched flakes. The site contains residual soils at the centre of the site (15 m x 15 m). The continual presence of artefacts in scalds indicates that further surface and subsurface artefacts are present in the non deflated soils immediately adjacent and beyond the surveyed area and represent a continuous artefact scatter in these landforms.	Hatfield	Undulating sandplains with bluebush	Belah and Bluebush	Sandplain	Extensive undulating plains with bluebush
B 18	IB 5 - S - AA	Artefacts	14		0	Sharon Lane	8/12/2014	Artefacts lie on the western end of a clay pan with other discrete locations of artefacts to the north, east and edges of the pan.  The area immediately to the west of the pan is disturbed by the excavation of a small dam	Hatfield	Undulating sandplains with bluebush	Belah and Bluebush	Sandplain	Extensive undulating plains with bluebush
B 2	GWRB Area 2 - 4	Isolated Artefact	1		0	Nicolas Grguric	10/10/2014	B2 is an isolated stone artefact	Marma	Scalded plains	Saltbush Plains	Alluvial plains	III-defined scalded drainage tracts associated with the Riverine Plain.
B 20	BH 2	Isolated Artefact	1		0	Bianca Petruzelli	9/12/2014	This site is a single isolated stone artefact	Hatfield	Undulating sandplains with bluebush	Belah and Bluebush	Sandplain	Extensive undulating plains with bluebush
B 21	BH 2	Artefacts	4		0	Bianca Petruzelli	9/12/2014	B 21 is a discreet artefact scatter located 5 m south of the road. The site has been disturbed from road construction and grading. Animal burrowing is present.	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the Riverine Plain.
B 22	BH 2	Isolated Artefact	1		0	Bianca Petruzelli	9/12/2014	B 22 is an isolated stone artefact located approximately 20 m south of Arumpo Road	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the Riverine Plain.
B 23	IB 5 - S - AA	Isolated	1		0	Sharon Lane	9/12/2014	B 23 is a single isolated stone artefact located at the western edge of a pan	Hatfield	Undulating sandplains with bluebush	Belah and	Sandplain	Extensive undulating plains with
B 24	BH 1	Artefact Artefacts	7		0	Balazs	8/12/2014	Small scatter located on the western slope of a N-S dune.	Hatfield	Undulating sandplains	Bluebush Belah and	Sandplain	bluebush  Extensive undulating plains with
B 25	BH 2	Artefacts	29		0	Hansel Balazs Hansel	9/12/2014	The site is a low density artefact scatter which contains two discrete artefact locations/sample areas approximately 20 m apart. Sample area B BH2 S9 comprises a scatter of 11 art approx 100m W of S4 located on a wash off area running down NW twds the depression/lake basin. Artefacts were identified on deflated surface in between the remnants of residual soil. The bottom of the slope is heavily eroded. Sample location B BH2 S8, comprising 3 artefacts was located further upslope on the western slope of the dune.	Marma	with bluebush Scalded plains	Bluebush Saltbush Plains	Alluvial plains	bluebush  Ill-defined scalded drainage tracts associated with the Riverine Plain.
B 29	Break stop	Isolated	1		0		9/12/2014	This site is a single isolated stone artefact	Hatfield	Undulating sandplains	Belah and	Sandplain	Extensive undulating plains with
B 3	GWRB Area 2 - 4	Artefact Isolated Artefact	1		0	Grguric Clare Anderson	10/10/2014	This site is a single isolated stone artefact	Marma	with bluebush Scalded plains	Bluebush Saltbush Plains	Alluvial plains	bluebush  Ill-defined scalded drainage tracts associated with the
B 30	IB 7 - CD B CD A	Hearth, Isolated Artefact	1	Hearth	1	Nicolas Grguric/Clair Davey	10/12/2014	B 30 comprises an isolated artefact located on a bare patch of soil and a disturbed hearth feature approximately 10 m to the west of the isolated artefact. The hearth comrpised burnt clay, sediment and termite mound heat retainers with a visible concentration of 1 m x 1 m. No charcoal, bone or artefacts were present in association with the hearth. The hearth is not exceptionally disturbed or deflated and offers fair potential for dating.	Hatfield	Undulating sandplains with bluebush	Belah and Bluebush	Sandplain	Riverine Plain.  Extensive undulating plains with bluebush
B 31	IB 7 - CD B CD A	Artefacts	2		0	Nicolas Grugric/Clair	10/12/2014	B 31 comprises two silcrete flakes located 30 m apart in exposures associated with a track and the dripline of a stand of mallee.	Hatfield	Undulating sandplains with bluebush	Belah and Bluebush	Sandplain	Extensive undulating plains with bluebush

Site Name	Transect ID	Site Features	Artefact Count	Other Site Feature	Other Feature Count	Recorder	Date	Site Description	Land system	Range Type	Major Range	Physography	Summary
B 32	IB 7 - CD B CD A	Artefacts	2	reature	0	Nicolas Grguric/Clair Davey	10/12/2014	B 32 comprises two stone artefacts located approximately 35 m apart in a series of exposures associated with a slope leading to a drainage channel. The zone is transitional between mallee dunefields and alluvial plains.	Hatfield	Undulating sandplains with bluebush	Belah and Bluebush	Sandplain	Extensive undulating plains with bluebush
B 33	IB 7 - CD B CD A	Artefacts			0	Amanda Atkinson	10/12/2014	The site consists of multiple, partially exposed silcrete cores in situ. B33 has high potential to contain an intact knapping floor, as evidenced by a partially buried large silcrete cores. The site is situated near a track on the lower portion of a dune slope. The site is in close proximity to a nearby hearth, which contains material suitable for dating. Glass bottles and tins were also observed in the nearby area. The site is located near a track on the lower part of a dune slope near a transition to the flats, in proximity to a site with anintact hearth. Glass bottles and tins were observed.	Hatfield	Undulating sandplains with bluebush	Belah and Bluebush	Sandplain	Extensive undulating plains with bluebush
B 34	IB 7 - CD B CD A	Artefacts	3		0	Sharon Lane	10/12/2014		Hatfield	Undulating sandplains with bluebush	Belah and Bluebush	Sandplain	Extensive undulating plains with bluebush
B 35	IB 7 - CD	Isolated Artefact	1		0	Sharon Lane	10/12/2014	This site is a single isolated stone artefact	Hatfield	Undulating sandplains with bluebush	Belah and Bluebush	Sandplain	Extensive undulating plains with bluebush
B 36	IB 7 - CD	Isolated Artefact	1		0	Sharon Lane	10/12/2014	B 36 is an isolated slcrte complete flake located in an exposure 25 m west of a track on the Bidura property.	Hatfield	Undulating sandplains with bluebush	Belah and Bluebush	Sandplain	Extensive undulating plains with bluebush
B 37	IB 7 - CD	Isolated Artefact	1		0	Sharon Lane	10/12/2014	B 37 is an isolated stone artefact located on vegetated chenopod flats 635m east of a track.	Hatfield	Undulating sandplains with bluebush	Belah and Bluebush	Sandplain	Extensive undulating plains with bluebush
B 38	IB 7 - CD	Artefacts	6		0	Nicolas Grugric / Sharon Lake	10/12/2014	B 38 is a low density artefact scattered located in a series of exposures 380 m west of a track on the Bidura property	Gulthul	Sandplains and dunefields with mallee	Mallee	Sandplain	Extensive plain between the Darling and Murrumbidgee Rivers.
B 38	IB 7 - CD - S					Nicolas Grugric / Sharon Lake	10/12/2014		Hatfield	Undulating sandplains with bluebush	Belah and Bluebush	Sandplain	Extensive undulating plains with bluebush
В 39	IB 7 - CD - S	Artefacts	32		0	Sharon Lane	11/12/2014	B 39 is a low density artefact scatter exposed in saltbush plains in wash exposures, in proximity to a small depression in the local relief. The area at the centre is not eroded but no artefacts were reocrded. It was considered that there was high probaility that concealled artefact remain in uneroded areas.	Gulthul	Sandplains and dunefields with mallee	Mallee	Sandplain	Extensive plain between the Darling and Murrumbidgee Rivers.
B 4	GWRB Area 2 - 4	Isolated Artefact	1		0	Georgia Roberts	10/10/2014	This site is a single isolated stone artefact	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the Riverine Plain.
B 40	IB 7 - CD	Isolated Artefact	1		0	Clair Davey	11/12/2014	B 40 is an isolated silcrete angular fragment located in a depression adajcent a series of scalds west of a track on the Bidura property.	Hatfield	Undulating sandplains with bluebush	Belah and Bluebush	Sandplain	Extensive undulating plains with bluebush
B 41	Walking back to	Isolated Artefact	1		0	Clair Davey	11/12/2014	B 41 is an isolated silcrete medial flake located in a scald adjacent an access track on the Bidura property.	Hatfield	Undulating sandplains with bluebush	Belah and Bluebush	Sandplain	Extensive undulating plains with bluebush
B 42	IB 7 - CD	Isolated Artefact	1		0	Clair Davey	11/12/2014	B 42 is an isolated silcrete cortical flake in a flat area 150m west of a track on the Bidura track near a stand of mallee and a series of scalds and exposures.	Hatfield	Undulating sandplains with bluebush	Belah and Bluebush	Sandplain	Extensive undulating plains with bluebush
B 43	BH 3	Artefacts	121		0	Balazs Hansel	10/12/2014	or scalas and exposures.	Hatfield	Undulating sandplains with bluebush	Belah and Bluebush	Sandplain	Extensive undulating plains with bluebush
B 44	BH 3	Artefacts	55		0	Balazs Hansel	10/12/2014	Scatter of 11 art approx 100m W of S4 located on a wash off area running down NW twds the depression/lake basin. Artefacts are spotted on deflated surface in between the remnants of residual soil. The bottom of the slope is heavily eroded. The scatter was recorded at the end of B/BH3 adjusted on the next day (11/12) when B/BH4 reached the end of B/BH3	Hatfield	Undulating sandplains with bluebush	Belah and Bluebush	Sandplain	Extensive undulating plains with bluebush
B 45	BH 3	Artefacts	11		0	Balazs Hansel	10/12/2014	Low density art scatter of 5 artefacts, located on a dune E slope. Direction is NE-SW.	Hatfield	Undulating sandplains with bluebush	Belah and Bluebush	Sandplain	Extensive undulating plains with bluebush
B 46	BH 2	Artefacts	5		0	Balazs Hansel	9/12/2014		Hatfield	Undulating sandplains with bluebush	Belah and Bluebush	Sandplain	Extensive undulating plains with bluebush
B 47 / B 48	BH 2	Artefacts	24		0	Balazs Hansel	9/12/2014		Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the Riverine Plain.
B 49	BH 3	Artefacts	3		0	Balazs Hansel	10/12/2014	Low density scatter on the W slope of sand dune.	Hatfield	Undulating sandplains with bluebush	Belah and Bluebush	Sandplain	Extensive undulating plains with bluebush
B 5	GWRB Area 2 - 5	Artefacts	6		0	Clare Anderson	10/10/2014		Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the Riverine Plain.
B 50	IB 7 - CD - S	Artefacts	7		0	Sharon Lane	13/12/2014	B 50 is a low density artefact scatter locared in a scald within alluvial plains to the west of Burke and Wills Road.	Gulthul	Sandplains and dunefields with mallee	Mallee	Sandplain	Extensive plain between the Darling and Murrumbidgee Rivers.
B 51	IB 6 - N - CD	Artefacts and Hearth	2	Hearth	1	Amanda Atkinson	13/12/2014		Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
B 52	IB 5 - AA	Isolated Artefact	1		0	Clair Davey	13/12/2014	B 52 is an isolated silcrete angular fragment located in the scaled plains to the west of Burke and Wills Road	Hatfield	Undulating sandplains with bluebush	Belah and Bluebush	Sandplain	Extensive undulating plains with bluebush
B 53	IB 5 - AA	Isolated Artefact	1		0	Clair Davey	13/12/2014	B 53 is an isolated manuport of an unidentified material, potentially porcellanite, located on the flats between dunes at the northern end of Burke and Wills Road.	Hatfield	Undulating sandplains with bluebush	Belah and Bluebush	Sandplain	Extensive undulating plains with bluebush
B 54	IB 5 - AA	Isolated artefact	1		0	Clair Davey	13/12/2014	B 54 is a heavily rolled silcrete complete flake located to the west of Burke and Wills Road in the alluvial plains between two dunes.	Hatfield	Undulating sandplains with bluebush	Belah and Bluebush	Sandplain	Extensive undulating plains with bluebush
B 55	IB 5 - AA	Isolated Artefact	1		0	Sharon Lane	13/12/2014	B 55 is a single silcrete complete flake located on a flat sandy plain with chenopod. Land disturbance appears to be limited to stock grazing and general wash and deflation.	Hatfield	Undulating sandplains with bluebush	Belah and Bluebush	Sandplain	Extensive undulating plains with bluebush
B 56	B BH 9	Artefacts	3		0	Bianca Petruzelli	17/12/2014	B 56 is a low density artefact scatter of three flakes located ona flat alluvial plain.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
B 57	BH 9	Artefacts	2		0	Bianca Petruzelli	17/12/2014	B 57 are two discrete silcrete flakes located approximately 35 m apart on alluvial plains	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
B 58 / B 62	B BH 9	Artefacts	4		0	Bianca Petruzelli	16/12/2014	B 58 is a low density artefact scatter of four artefacts, including two cores, located on saltbush plains.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
B 59	B BH 9	Artefacts	2		0	Balazs Hansel	16/12/2014	Low density scatter just SE of intersection of Box Cr Rd and Bourke and Wills Rd.	Marma	Scalded plains	Saltbush Plains	Alluvial plains	III-defined scalded drainage tracts associated with the Riverine Plain.
B 6	GWRB Area 2 - 4	Isolated Artefact	1		0	Clare Anderson	10/10/2014	This site consists of a single silcrete angular fragment	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the

Site Name	Transect ID	Site Features	Artefact Count	Other Site Feature	Other Feature Count	Recorder	Date	Site Description	Land system	Range Type	Major Range	Physography	Summary
													Riverine Plain.
B 60	B BH 9	Artefacts	4		0	Balazs Hansel	16/12/2014	Small low density scatter approx 200m E of S7	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the Riverine Plain.
B 61	B BH 9	Artefacts	2		0	Balazs Hansel	16/12/2014	Small scatter of two art just 100m E of S8	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the Riverine Plain.
B 63	в вня	Artefacts	4		0	Balazs Hansel	16/12/2014	Scatter off four artefacts around slight depression/scald.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
B 64	В ВН8	Artefacts	17		0	Balazs Hansel	16/12/2014		Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
B 65	В ВН8	Artefacts	2		0	Balazs Hansel	16/12/2014	Scatter of two art located on the SE of a large scald/depression.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
B 66	B BH8	Artefacts	56		0	Balazs Hansel	16/12/2014	Large, fairly dense scatter located on the E- S perimeter of a depression/scald.Artefacts were found on the eroding top and bank, and inside the depression as well.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
B 67	B BH8	Artefacts	20		0	Balazs Hansel	16/12/2014	Scatter of art located around and in a depression/scald. The are has been ploughed sometime in the past and now it is a used for grazing. The top soil is highly disturbed and loose. Artificial drainage channels are recorded as well running approxS-N.	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the Riverine Plain.
B 68	B BH8	Artefacts	48		0	Balazs Hansel	16/12/2014	Large, low density scatter located approx100m W of S5. The site is situated on highly disturbed(ploughed land) and its western part is around a large scale.Probably the E section of the scald/depression was ploughed some time in the past.the site is	Marma	Scalded plains	Saltbush Plains	Alluvial plains	III-defined scalded drainage tracts associated with the
B 69	IB 5 - AA	Isolated	1		0	Unknown	19/12/2014	extending beyond the footprint twos N,E,S.  Single artefact located on a salt bush plain. Artefact & phones on SL ipad	Hatfield	Undulating sandplains	Belah and	Sandplain	Riverine Plain.  Extensive undulating plains with
B 7	GWRB Area 2 - 8	Artefact Isolated Artefact	1		0	Clare Anderson	17/10/2014	Silcrete bipolar complete flake with crushed platform an termination 35 x 12 x8	Gulthul	with bluebush Sandplains and dunefields with mallee	Bluebush Mallee	Sandplain	bluebush  Extensive plain between the  Darling and Murrumbidgee
B 70	IB 5 - AA	Isolated Artefact	1		0	Amanda Atkinson	19/12/2014	Signle grindstone fragment located on an alluvial plain. Nearby vegetation includes belah and bluebush. Grindstone fragment - ground on one side, base not ground. Edge work (pecking) sandstone 86mm x 46mm x 17mm	Hatfield	Undulating sandplains with bluebush	Belah and Bluebush	Sandplain	Rivers.  Extensive undulating plains with bluebush
B 71	IB 5 - AA	Artefacts and Hearth	13	Hearth	1	Amanda Atkinson	19/12/2014	Small artefact scatter located in exposed areas of a smll dune slope. Very unstable looking landform/soils/sands. Has an intact hearth in the centre of the site	Marma	Scalded plains	Saltbush Plains	Alluvial plains	III-defined scalded drainage tracts associated with the Riverine Plain.
B 72	BH 1	Artefacts	7		0	Balazs Hansel	8/12/2014	Small artefact scatter located on the western slope of a sand dune. The are has high level of disturbance caused by vehicle track an subsequent wind deflation. Additional photos Balazs's cannon:1337-1338 S,1339 E	Hatfield	Undulating sandplains with bluebush	Belah and Bluebush	Sandplain	Extensive undulating plains with bluebush
B 73	BH 3	Isolated Artefact	1		0	Balazs Hansel	10/12/2014	This site is a single isolated stone flake located in chenopod plains.	Hatfield	Undulating sandplains with bluebush	Belah and Bluebush	Sandplain	Extensive undulating plains with bluebush
B 74	BH 2	Isolated Artefact	1		0	Balazs Hansel Joe	9/12/2014	This site is a single flake located in an exposure within saltbush plains to the south of Box Creek/Arumpo Road	Hatfield	Undulating sandplains with bluebush	Belah and Bluebush	Sandplain	Extensive undulating plains with bluebush
B 75	BH 3	Artefacts	2		0	Borg Balazs	10/12/2014	Scatter of two art on N slope of crescent shape low dune.	Hatfield	Undulating sandplains	Belah and	Sandplain	Extensive undulating plains with
B 76	BH 3	Isolated Artefact	1		0	Hansel Balazs Hansel	11/12/2014	Isolated find located on a stock track on the E slope of sand dune. Residual soils have been eroded by stock tracks and wind deflation.	Hatfield	with bluebush Undulating sandplains with bluebush	Bluebush Belah and Bluebush	Sandplain	bluebush Extensive undulating plains with bluebush
B 77	BH 5	Isolated Artefact	1		0	Balazs Hansel	12/12/2014	Isolated find located in an opening within the Mallee, situated on the NE slope of a low dune.	Gulthul	Sandplains and dunefields with mallee	Mallee	Sandplain	Extensive plain between the Darling and Murrumbidgee
B 78	IB 5 - S - AA	Artefacts	8		0	Nicolas	20/12/2014	B 78 is a low density, highly dispersed artefact scatter of eight artefacts recorded of 90 m. Artefacts were visible in exposures	Hatfield	Undulating sandplains	Belah and	Sandplain	Rivers.  Extensive undulating plains with
B 79	IB 5 - S - AA	Isolated	1		0	Grguric Nicolas	20/12/2014	within residual soils. An isolated stone artefact on a sandplain.	Hatfield	with bluebush Undulating sandplains	Bluebush Belah and	Sandplain	Extensive undulating plains with
B 8	GWRB Area 2 - 8	Artefact Isolated Artefact	1		0	Grguric Clare Anderson	17/10/2014	Silcrete complete flake with wide indeterminate platform and feather termination 18 x 22 x 4 located on a bare patch of soil in an open belay blue bush plain, the lunette and remnant lunette of an nannied relict lake is visible to the eats, a fence and acces s	Marma	with bluebush Scalded plains	Bluebush Saltbush Plains	Alluvial plains	bluebush Ill-defined scalded drainage tracts associated with the
B 80	IB 5 - S - AA	Artefacts	4		0	Nicolas	20/12/2014	track is located 80m South  Four stone artefacts scattered over a diffuse area.	Hatfield	Undulating sandplains	Belah and	Sandplain	Riverine Plain.  Extensive undulating plains with
B 81	IB 5 - S - AA	Artefacts	8		0	Grguric Nicolas Grguric	20/12/2014	B 81 is a low density artefact scatter of nine artefacts recorded over 50 m in a series of scalds and exposures within sandplains to the south of Arumpo Road.	Hatfield	with bluebush Undulating sandplains with bluebush	Bluebush Belah and Bluebush	Sandplain	bluebush  Extensive undulating plains with bluebush
B 82	IB 5 - S - AA	Isolated Artefact	1		0	Nicolas Grguric	20/12/2014	An isolated stone artefact on a sandplain.	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the
B 83	IB 5 - S - AA	Artefacts and Hearth	5	Hearth	2	Nicolas Grguric	20/12/2014	B 83 is a small low density artefact scatter with a scattered hearth. The hearth consists of burnt termite heat retainer scattered over 3 m with no visible charcoal or central concentration. The hearth has no excavation potential.	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Riverine Plain.  Ill-defined scalded drainage tracts associated with the
B 84	IB 5 - S - AA	Artefacts and Hearth	30	Hearth	1	Amanda Atkinson	20/12/2014	B 84 is a low density dispersed artefact scatter with a hearth	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Riverine Plain.  Ill-defined scalded drainage tracts associated with the Riverine Plain.
B 85	IB 5 - AA	Isolated Artefact	1		0	Nicolas Grguric	13/12/2014	An isolated stone artefact on a sandplain.	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the Riverine Plain.
B 86	IB 5 - AA	Artefacts	26		0	Amanda Atkinson	20/12/2014	B 86 is a large, moderate density artefact scatter with focal points of higher density. The site has a strong spatial association with the BWR 24 to BWR 33 series and likely represents a continuation of this scatter/	Hatfield	Undulating sandplains with bluebush	Belah and Bluebush	Sandplain	Extensive undulating plains with bluebush

Site Name	Transect ID	Site Features	Artefact Count	Other Site Feature	Other Feature Count	Recorder	Date	Site Description	Land system	Range Type	Major Range	Physography	Summary
B 87	BH 9	Isolated	1	. Catale	0		17/12/2014	Isolated find located on a wind deflated area.	Rata	Riverine plain with	Saltbush Plains	Alluvial	Extensive saltbush plain with
B 88	BH 9	Artefact Isolated Artefact	1		0	Hansel Balazs Hansel	17/12/2014	Isolated art on an exposed area, 20m W of a vehicle track.	Marma	saltbush and bluebush Scalded plains	Saltbush Plains	plains Alluvial plains	small subcircular depressions.  Ill-defined scalded drainage tracts associated with the Riverine Plain.
B 89	BH 9	Artefacts	2		0	Balazs Hansel	17/12/2014	Small scatter of two artefacts located in a scald.	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the Riverine Plain.
B 9	GWRB Area 2 - 8	Artefacts	2		0	Georgia Roberts	17/10/2014	This site is a small low density artefact scatter	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the Riverine Plain.
B 90	BH 9	Artefacts	41		0	Balazs Hansel	17/12/2014	The site is situated inside a very pronounced depression/scald.	Marma	Scalded plains	Saltbush Plains	Alluvial plains	III-defined scalded drainage tracts associated with the Riverine Plain.
B 91	BH 9	Artefacts	2		0	Balazs Hansel	17/12/2014	General exposure with residual soils around salt bush.	Rata	Riverine plain with saltbush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
B 92	BH 9	Isolated Artefact	1		0	Balazs Hansel	17/12/2014	The area has been affected by wind deflation, surface wash and stock tracks	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
B 93	BH 9	Isolated	1		0	Balazs	17/12/2014	Stock tracks are crossing the location	Rata	Riverine plain with	Saltbush Plains	Alluvial	Extensive saltbush plain with
B 94	BH 9	Artefact Isolated	1		0	Hansel Balazs	17/12/2014	Eroded, deflated areas around residual soil patches with saltbush.	Rata	saltbush and bluebush Riverine plain with	Saltbush Plains	plains Alluvial	small subcircular depressions.  Extensive saltbush plain with
B 95	B BH 9	Artefact Artefacts	9		0	Hansel Balazs Hansel	17/12/2014	Low density art scatter located around a small sandy rise. Artefacts were found on eroded stock tracks and deflated areas.	Rata	saltbush and bluebush Riverine plain with saltbush and bluebush	Saltbush Plains	plains Alluvial plains	small subcircular depressions.  Extensive saltbush plain with small subcircular depressions.
B 96	B BH 9	Isolated Artefact	1		0	Balazs Hansel	17/12/2014	Isolated find located on an exposed area with stock tracks crossing the location.	Rata	Riverine plain with saltbush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
B 97	IB 7 - CD - S	Isolated Artefact	1		0	Nicolas Grguric	11/12/2014	An isolated stone artefact located in a drainage line.	Gulthul	Sandplains and dunefields with mallee	Mallee	Sandplain	Extensive plain between the Darling and Murrumbidgee Rivers.
B 98	IB 5 - AA	Artefacts	1		0	Nicolas Grguric	13/12/2014	An isolated stone artefact.	Hatfield	Undulating sandplains with bluebush	Belah and Bluebush	Sandplain	Extensive undulating plains with bluebush
Box Creek IF 1	Walking back to car	Isolated Artefact	1		0	Clare Anderson	29/05/2013	A silcrete retouched flake was located in a scald near a meander of Box Creek. The artefact was identified during a survey of an exploration drill hole and as such it is anticipated that further low density stone artefacts may be presented in the surrounding landscape.	Marma	Scalded plains	Saltbush Plains	Alluvial plains	III-defined scalded drainage tracts associated with the Riverine Plain.
BWR 10	GWRN 5	Isolated Artefact	1		0	Amanda Atkinson and Bernadette Allen	26/10/2013	BWR 10 is a single silcrete complete flake located within bluebush plain. It is assessed to have low archaeological significance.	Hatfield	Undulating sandplains with bluebush	Belah and Bluebush	Sandplain	Extensive undulating plains with bluebush
BWR 11	GWRN 5	Possible Hearth	0	Hearth	1	Amanda Atkinson and Bernadette Allen	26/10/2013	BWR 11 is a possible hearth scatter over 3 m x 1 m. Would require further investigation to determine if cultural or natural. Scattered Clay retainers	Hatfield	Undulating sandplains with bluebush	Belah and Bluebush	Sandplain	Extensive undulating plains with bluebush
BWR 12	GWRN 5	Artefacts and Hearth	6	Hearth	1	Amanda Atkinson and Bernadette	26/10/2013	BWR 12 is an artefact scatter of six stone artefacts and one hearth scatter located on a scald west of Burke and Wills Road.	Hatfield	Undulating sandplains with bluebush	Belah and Bluebush	Sandplain	Extensive undulating plains with bluebush
BWR 13	GWRN 5	Isolated Artefact	1		0	Allen Amanda Atkinson and Bernadette Allen	26/10/2013	BWR 13 is a silcrete angular fragment measuring 16 mm x 9 mm x 10mm. It was recorded as a site due to its proximity to artefact scatter BWR 12. It is in a disturbed, deflated context and is of low archaeological significance	Hatfield	Undulating sandplains with bluebush	Belah and Bluebush	Sandplain	Extensive undulating plains with bluebush
BWR 14	GWRN 7	Isolated Artefact	1		0	Amanda Atkinson and Bernadette Allen	27/10/2013	BWR 14 is a quartzite complete flake measuring 21 mm x 12 mm x 7 mm and is located on a white scald on a dune overlooking Tin Tin Lake. It has flaked platform and a feather termination with a longitudinal split. It is one of a number of isolated and low density artefact scatters (BWR14-22, BWR 39, BWR40-42 and WB 108 and WB 109) located in large exposures in this landform.	Youhl	Riverine plain with saltbush and bluebush	Saltbush Plains	Playas and Basins	Relict lakes adjacent to the Riverine Plain.
BWR 15	GWRN 7	Isolated Artefact	1		0	Amanda Atkinson and Bernadette Allen	27/10/2013	BWR 15 is a silcrete complete flake measuring 17 mm x 9 mm x 3 mm and is located on a white scald on a dune overlooking Tin Tin Lake and assorted meanders of the relict Box Creek. It has a crushed platform and a step termination. It is one of a number of isolated and low density artefact scatters (BWR14-22, BWR 39, BWR40-42 and WB 108 and WB 109) located in large exposures in this landform.	Youhl	Riverine plain with saltbush and bluebush	Saltbush Plains	Playas and Basins	Relict lakes adjacent to the Riverine Plain.
BWR 16	GWRN 7	Isolated Artefact	1		0	Amanda Atkinson and Bernadette Allen	27/10/2013	BWR 16, 1 Silcrete Complete Flake 17mm 16mm 4 mm	Youhl	Riverine plain with saltbush and bluebush	Saltbush Plains	Playas and Basins	Relict lakes adjacent to the Riverine Plain.

Site Name	Transect ID	Site Features	Artefact Count	Other Site Feature	Other Feature Count	Recorder	Date	Site Description	Land system	Range Type	Major Range	Physography	Summary
BWR 17	GWRN 7	Artefacts	2	reature	0	Amanda Atkinson and Bernadette Allen	27/10/2013	BWR 17 is an artefact scatter consisting of a silcrete distal flake (15mm x 24 mm x 4 mm) with a feather termination and a quartz distal flake (5mm x 5mm x 1mm) with a feather termination. The two artefacts are located on a small white scald east of a larger white scald which runs north south and contains BWR 18. The scald, measuring 35 m x 25 m, is on a dune overlooking Tin Tin Lake and assorted meanders of the relict Box Creek. It is one of a number of isolated and low density artefact scatters (BWR14-22, BWR 39, BWR40-42 and WB 108 and WB 109) located in large exposures in this landform.	Youhl	Riverine plain with saltbush and bluebush	Saltbush Plains	Playas and Basins	Relict lakes adjacent to the Riverine Plain.
BWR 18	GWRN 7	Artefacts	8		0	Amanda Atkinson and Bernadette Allen	27/10/2013	BWR 18 is a low density artefact scatter consisting of 8 stone artefacts including 7 silcrete flakes and one chert backed flaked tool. The scald is runs for approximately 500m north-south along a dune on the western margins of Tin Tin Lake and overlooks assorted meanders of the relict Box Creek. It is one of a number of isolated and low density artefact scatters (BWR14-22, BWR 39, BWR40-42 and WB 108 and WB 109) located in large exposures in this landform.	Youhl	Riverine plain with saltbush and bluebush	Saltbush Plains	Playas and Basins	Relict lakes adjacent to the Riverine Plain.
BWR 19	GWRN 7	Artefacts	2		0	Amanda Atkinson and Bernadette Allen	27/10/2013	BWR 19 is a low density artefact scatter consisting of 2 stone artefacts including one silcrete complete flake (10mm x 9 mm x 3 mm) with a flaked platform and feather termination and a silcrete angular fragment measuring 20mm x 22mm x 10mm. The site is located on a scald which runs for approximately 500m north-south along a dune on the western margins of Tin Tin Lake and overlooks assorted meanders of the relict Box Creek. It is one of a number of isolated and low density artefact scatters (BWR14-22, BWR 39, BWR40-42 and WB 108 and WB 109) located in large exposures in this landform. BWR 18 is located 120m north on the same scald.	Youhl	Riverine plain with saltbush and bluebush	Saltbush Plains	Playas and Basins	Relict lakes adjacent to the Riverine Plain.
BWR 20	GWRN 7	Isolated Artefact	1		0	Amanda Atkinson and Bernadette Allen	27/10/2013	BWR 20 is a silcrete complete flake (18 mm x 15 mm x 3mm) with a flaked platform and a feather termination. It is located in a scald measuring 35 m x 40 m adjacent a fenceline and track which runs north-south to Box Creek Road. The scald is located ona dune overlooking Tin Tin Lake and relict meanders of Box Creek. A number of other isolated stone arefacts and low density artefact scatters are located on the same landform (BWR14-31, BWR 39-42, WB 108 and WB 109).	Youhl	Riverine plain with saltbush and bluebush	Saltbush Plains	Playas and Basins	Relict lakes adjacent to the Riverine Plain.
BWR 21	GWRN 7	Isolated Artefact	1		0	Amanda Atkinson and Bernadette Allen	27/10/2013	BWR 21 is a silcrete proximal flake (21 mm x 20 mm x 8mm) with 15% cortex and a flaked platform It is located in a scald measuring 70 m x 20 m approximately 20m west of a fenceline and track which runs north-south to Box Creek Road. The scald is located ona dune overlooking Tin Tin Lake and relict meanders of Box Creek. A number of other isolated stone arefacts and low density artefact scatters are located on the same landform (BWR14-31, BWR 39-42, WB 108 and WB 109).	Youhl	Riverine plain with saltbush and bluebush	Saltbush Plains	Playas and Basins	Relict lakes adjacent to the Riverine Plain.
BWR 22	GWRN 7	Isolated Artefact	1		0	Amanda Atkinson and Bernadette Allen	27/10/2013	BWR 22 is a silcrete distal flake (22 mm x 22mm x 5mm) with a feather termination. It is located in a scald immediately to the west of a track which runs north-south to Box Creek Road. The scald is located on a dune overlooking Tin Tin Lake and relict meanders of Box Creek. A stand of box trees is present 40m to the south. A number of other isolated stone arefacts and low density artefact scatters are located on the same landform (BWR14-31, BWR 39-42, WB 108 and WB 109).	Youhl	Riverine plain with saltbush and bluebush	Saltbush Plains	Playas and Basins	Relict lakes adjacent to the Riverine Plain.
BWR 23	GWRN 8	Artefacts	3		0	Amanda Atkinson and Bernadette Allen	27/10/2013	BWR 23 is a low density artefact scatter consisting of two silcrete flakes with cortex and a silcrete retouched flake (scraper) with retouch on the lateral and distal margins.	Hatfield	Undulating sandplains with bluebush	Belah and Bluebush	Sandplain	Extensive undulating plains with bluebush
BWR 24	GWRN 8	Isolated Artefact	1		0	Amanda Atkinson and Bernadette Allen	27/10/2013	BWR 24 is a silcrete complete flake (13mm x 13mm x 4mm) with 40% cortex, a flaked platform with platform preparation evident and a feather termination. The site is located at the base of a east-west running dune in a dune blow out. It is likely that the artefact is displaced from downslope erosion and that the dune contains further buried stone artefacts as indicated by the presence of further artefacts in exposures on the dune crest.	Hatfield	Undulating sandplains with bluebush	Belah and Bluebush	Sandplain	Extensive undulating plains with bluebush
BWR 25	GWRN 8	Artefacts	4		0	Amanda Atkinson and Bernadette Allen	27/10/2013	BWR 25 is a low density artefact scatter located in an exposure caused by vehicle tracks on the crest of an east-west running dune. It contains two silcrete complete flakes, a silcrete medial flake and a silcrete retouched flake with retouch on the lateral margin. It is likely that further stone artefacts are contained within unexposed portions of the dune to the presence of further scatters of stone artefacts in exposures on the dune.	Hatfield	Undulating sandplains with bluebush	Belah and Bluebush	Sandplain	Extensive undulating plains with bluebush
BWR 26	Opportunistic walk from GWRN 8	Isolated Artefact	1		0	Amanda Atkinson and Bernadette Allen	27/10/2013	BWR 26 is a silcrete complete flake (14mm x 22 m x 3mm) with a flaked platform and feather termination located in an exposure caused by vehicle tracks on the crest of an east-west running dune. It is likely that further stone artefacts are contained within unexposed portions of the dune to the presence of further scatters of stone artefacts in exposures on the dune.	Hatfield	Undulating sandplains with bluebush	Belah and Bluebush	Sandplain	Extensive undulating plains with bluebush
BWR 27	GWRN 8	Artefacts and Hearth	29	Hearth	1	Amanda Atkinson and Bernadette Allen	27/10/2013	BWR 27 is an artefact scatter and potential archaeological deposit of 29 stone artefacts in an exposure caused by vehicle tracks on the crest of an east-west running dune and dune blow out. A sample of nine artefacts were recorded. It is likely that further stone artefacts are contained within unexposed portions of the dune to the presence of further scatters of stone artefacts in exposures on the dune. A possible remnant hearth scatter with dispersed calcrete and termite nest heat retainers was also located over 4 m x 2 m. There was no visible charcoal associated with the hearth scatter.	Hatfield	Undulating sandplains with bluebush	Belah and Bluebush	Sandplain	Extensive undulating plains with bluebush
BWR 28	GWRN 8	Artefacts	17		0	Amanda Atkinson and Bernadette Allen	27/10/2013	BWR 28 is an artefact scatter and potential archaeological deposit of 17 stone artefacts in an exposure caused by vehicle tracks on the crest of an east-west running dune and dune blow out. It is likely that further stone artefacts are contained within unexposed portions of the dune to the presence of further scatters of stone artefacts in exposures on the dune.	Hatfield	Undulating sandplains with bluebush	Belah and Bluebush	Sandplain	Extensive undulating plains with bluebush
BWR 29	GWRN 8	Isolated Artefact	1		0	Amanda Atkinson and Bernadette Allen	27/10/2013	BWR 29 is a silcrete distal flake (23 mm x 18 mm x 9 mm) with a crushed termination located in a bare patch of soil on the plains between two east-west running dunes to the west of Burke and Wills Road	Hatfield	Undulating sandplains with bluebush	Belah and Bluebush	Sandplain	Extensive undulating plains with bluebush

Site Name	Transect ID	Site Features	Artefact Count	Other Site Feature	Other Feature Count	Recorder	Date	Site Description	Land system	Range Type	Major Range	Physography	Summary
BWR 3	GWRN 5	Isolated Artefact	1	Feature	0	Amanda Atkinson and Bernadette Allen	26/10/2013	BWR 3 is a silcrete complete flake (26 mm x 13 mm x 8 mm) with a flaked platform and feather termination. It is located in a a scald adjacent an old meander of Box Creek to the north of the meander that fed Tin Tin Lake. Despite good visibility only two other isolated artefacts (BWR 5 and BWR 6) were located in the surveyed area around this feature.	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the Riverine Plain.
BWR 30	GWRN 8	Isolated Artefact	1		0	Amanda Atkinson and Bernadette Allen	27/10/2013	BWR 30 is a silcrete medial flake (12 mm x 25 mm x 8 mm) in a bare patch of soil on the plains between two east-west running dunes to the west of Burke and Wills Road	Hatfield	Undulating sandplains with bluebush	Belah and Bluebush	Sandplain	Extensive undulating plains with bluebush
BWR 31	GWRN 8	Isolated Artefact	1		0	Amanda Atkinson and Bernadette Allen	27/10/2013	BWR 31 is a silcrete complete flake (17mm x 21mm x 4mm) with 5% cortex, a flaked platform and a feather termination in a bare patch of soil on the plains between two east-west running dunes to the west of Burke and Wills Road	Hatfield	Undulating sandplains with bluebush	Belah and Bluebush	Sandplain	Extensive undulating plains with bluebush
BWR 32	GWRN 8	Artefacts, Hearth and PAD	290	Hearth	1	Amanda Atkinson and Bernadette Allen	27/10/2013	BWR 32 consists of a scatter of 290 stone artefacts (264 sampled) and a hearth scatter within a dune blow out of an east-west running dune. The dune runs east west and is in proximity to a number of depressions with source bordering dunes. Stone artefacts within the site include silcrete flakes, silcrete cores, silcrete retouched tools, anvils, hammerstone, broken grinding fragments, chert flakes and quartzite flakes. Densities varied between 0.1 and 10 artefacts per m2. The site demonstrated higher percentages of backed artefacts and retouched flakes compared with other recorded sites in the most recent EA survey work. The site is one of the highest density sites in the project area. Not all of the dune has eroded and further artefacts may be present in high densities within residual soils.	Hatfield	Undulating sandplains with bluebush	Belah and Bluebush	Sandplain	Extensive undulating plains with bluebush
BWR 33	GWRN 9	Artefacts	99		0	Amanda Atkinson and Bernadette Allen	28/10/2013	The site and adjacent landforms contain research value under a number of criteria:  BWR 33 is a low density continuous artefact scatter over 480 m, containing over 110 artefacts with densities reaching approximately 4 artefacts per m2 in dune blow outs at the northern end of the site. BWR 33 contains a high percentage of retouched flakes, backed flakes and burrens when compared with other sites in the Balranald Project area.	Hatfield	Undulating sandplains with bluebush	Belah and Bluebush	Sandplain	Extensive undulating plains with bluebush
BWR 34 / BWR 35	BWRARI 1	Artefacts		Hearth	2	Amanda Atkinson and Bernadette Allen	28/10/2013		Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the Riverine Plain.
BWR 36	BWRARI 1	Artefacts	8		0	Amanda Atkinson and Bernadette Allen	28/10/2013	BWR 36 is a low density artefact scatter consisting of eight silcrete flakes. Further stone artefacts may be present in low densities in residual soils in the adjacent landforms.	Marma	Scalded plains	Saltbush Plains	Alluvial plains	III-defined scalded drainage tracts associated with the Riverine Plain.
BWR 37	BWRARI 1	Artefacts	76		0	Amanda Atkinson and Bernadette Allen	28/10/2013	BWR 37 is a low density artefact scatter consisting of 113 silcrete, chert, quartzite stone artefacts. Flakes, flaked tools, cores, grinding fragments and angular fragments are present. Artefact densities ranged from 0.01 to 4 artefacts per square metre. Artefacts were observed eroding from residual soils suggesting that further artefacts may be present in residual soils in the adjacent landforms.	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the Riverine Plain.
BWR 38	BWRARI 1	Artefacts	7		0	Amanda Atkinson and Bernadette	28/10/2013	BWR 38 is a low density scatter consisting of seven stone artefacts spread across 70 m. Further stone artefacts may be present in low densities in the surrounding landforms.	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the Riverine Plain.
BWR 39	GWRN 7	Isolated Artefact	1		0	Allen Amanda Atkinson and Bernadette Allen	27/10/2013	BWR 39 is a silcrete proximal flake (21mm x 8mm x 8mm with a flaked platform located in a small bare patch of soil on a plain overlooking Tin Tin Lake. It is one of a number of isolated and low density artefact scatters located on this landform. Further low density stone artefacts may be present in the surrounds.	Youhl	Riverine plain with saltbush and bluebush	Saltbush Plains	Playas and Basins	Relict lakes adjacent to the Riverine Plain.
BWR 4	GWRN 5	Isolated Artefact	1		0	Amanda Atkinson and Bernadette Allen	26/10/2013	BWR 4 is a silcrete proximal flake (12mm x 12mm x 2mm with a flaked platform located in a small bare patch of soil in chenopod plains. A northern relict mender of Box Creek runs southwest-northeast, approx. 400m north of BWR 4, towards Upson Downs.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
BWR 40	GWRN 7	Isolated Artefact	1		0	Amanda Atkinson and Bernadette Allen	27/10/2013	BWR 40 is a silcrete complete flake (17mm x 11mm x 3 mm) witha flaked platform and feather termination. It is located on the margins of Tin Tin Lake on chenopod plains near a slight rise. The surrounding landforms contain a number of isolated and low density stone artefact scatters.	Youhl	Riverine plain with saltbush and bluebush	Saltbush Plains	Playas and Basins	Relict lakes adjacent to the Riverine Plain.
BWR 5	GWRN 5	Isolated Artefact	1		0	Amanda Atkinson and Bernadette Allen	26/10/2013	BWR 5 is a silcrete retouched flake (20 mm x 22 mm x 5 mm) with retouch on 20% of the distal margin. The site is located on a bare patch of soil approximately 120m south of a series of scalds, exposures and soaks associated with a relict meander of Box Creek which runs south-west towards the Upson Downs property. Despite good visibility only a small number of artefacts were identified during the survey however further low density stone artefacts may be present in residual soils associated with the Box Creek feature.	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the Riverine Plain.

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BWR 6	GWRN 5	Isolated Artefact	1	reature	0	Amanda Atkinson and Bernadette Allen	26/10/2013	BWR 6 is a silcrete distal flake 20mm x 17mm x 4mm with a feather termination. The site is located in a scld which forms part of a series of exposures and soaks associated with a relict meander of Box Creek which runs south-west towards the Upson Downs property. Despite good visibility only a small number of artefacts were identified during the survey however further low density stone artefacts may be present in residual soils associated with the Box Creek feature.	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the Riverine Plain.
BWR 7	GWRN 5	Isolated Artefact	1		0	Amanda Atkinson and Bernadette Allen	26/10/2013		Hatfield	Undulating sandplains with bluebush	Belah and Bluebush	Sandplain	Extensive undulating plains with bluebush
BWR 8	GWRN 5	Isolated Artefact	1		0	Amanda Atkinson and Bernadette Allen	26/10/2013	BWR 8 is a Silcrete complete flake (13mm x 9mm x 3mm) with a focal platform and step termination. It is located in a bare patch of soil 100m west of Burke and Wills Road and about 35m southwest of a small artefact scatter (BWR 9) in a scald. It is possible that further stone artefacts in low densities may be present in residual soils.	Hatfield	Undulating sandplains with bluebush	Belah and Bluebush	Sandplain	Extensive undulating plains with bluebush
BWR 9	GWRN 5	Artefacts	6		0	Amanda Atkinson and Bernadette Allen	26/10/2013	BWR 9 is a small low density artefact scatter of 6 silcrete stone artefacts, including a broken tool and several broken flakes, located in a scald 80 m west of Burke and Wills Road. BWR 8 is located 35m southwest of the BWR 9. Further stone artefacts may be present in residual soils across the landscape.	Hatfield	Undulating sandplains with bluebush	Belah and Bluebush	Sandplain	Extensive undulating plains with bluebush
BWR 41	WBAC 43 - Option	Isolated Artefact	1		0	Clare Anderson	12/03/2014	This site is a single isolated stone artefact	Youhl	Riverine plain with saltbush and bluebush	Saltbush Plains	Playas and Basins	Relict lakes adjacent to the Riverine Plain.
BWR 42	WBAC 43 - Option	Isolated Artefact	1		0	Clare Anderson	12/03/2014	This site is a single isolated stone artefact	Youhl	Riverine plain with saltbush and bluebush	Saltbush Plains	Playas and Basins	Relict lakes adjacent to the Riverine Plain.
BWR IF 1	21	Isolated Artefact	1		0	Clare Anderson	30/05/2013	BWR IF 1 consists of a single complete flake (14 x 11 x1 mm) located 25m west of the Burke and Wills Road.	Marma	Scalded plains	Saltbush Plains	Alluvial plains	III-defined scalded drainage tracts associated with the Riverine Plain.
BWR IF 2	21	Isolated Artefact	1		0	Clare Anderson	30/05/2013	A single waterworn broken silcrete flake . Maximum dimension 42mm, (25 mm x 35 mm x 3mm) located in exposure adjacent to the soak.	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the Riverine Plain.
Cringadale 1	WBAC 32 - Option	Artefacts and PAD	3		0	Clare Anderson	13/03/2014	Artefact scatter of three artefacts located midslope of a sourcebordering dune with bluebush. Further arefacts likely in surrounding scalds and pan.	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the Riverine Plain.
Cringadale 2	WBAC 33 - Option	Isolated Artefact	1		0	Clare Anderson	13/03/2014	A single isolated silcrete exhausted core located on a bare patch of ground approximately 15 m off an access track in bluebush plains at the base of a dune with red soil. Core dimensions were 20 mm in length, 20 mm in width, longest flake scar 15mm. A silcrete angular fragment was also present.	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the Riverine Plain.
Karra 10	KG 2	Artefacts	2		0	Clare Anderson	22/10/2013	Karra 10 is a low density artefact scatter of twosilcrete distal flakes with feather terminations measuring 12mm x 10mm x 2mm and 13mm x 10mm x 2mm respectively. The artefacts are located ona bare patch of soil 50m north of an access track which runs from the calcareous gravel rise west to Box Creek. Further stone artefacts may be present in low densities in residual soils.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
Karra 11	KG 2	Artefacts	2		0	Clare Anderson	22/10/2013	Karra 11 is a low density artefact scatter of a silcrete complete flake (20mm x 11mm x 4mm) with a flaked platform and feather termination and a silcrete distal flake (10mm x 10mm x 3mm) with a step termination. Further stone artefacts may be present in low densities in residual soils and may be intact to the east of the site.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
Karra 12	KG 3	Artefacts	2		0	Amanda Atkinson	23/10/2013	Karra 12 is a low density artefact scatter consisting of two broken silrete flakes and silcrete angular fragment over a a 50m by 30m exposure.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
Karra 13	KG 3	Artefacts and Hearth	8	Hearth	1	Phil Roberts	23/10/2013	Karra 13 is a low density artefact scatter consisting of eight stone artefacts including complete and broken silcrete flakes, silcrete angular fragment and a silcrete core and a remnant hearth scatter of burnt calcrete, burnt termite bound and visible charcoal concentrated over a 1m x 1 m area. The hearth is located on the south side of the site.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
Karra 14	KG 3	Isolated Artefact	1		0	Clare Anderson and Phil Roberts	22/10/2013	Karra 14 is an isolated silcrete complete flake (10mm x 18mm x 4mm) witha faceted platform and a feather termination. It is located in a large exposure/scald. Karra 16 is located 65m south. Occasional stone artefacts may be present in residual soils.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
Karra 15	KG 3	Isolated Artefact	1		0	Amanda Atkinson	22/10/2013	Karra 15 is an isolated silcrete flake (13mm x 11mm x 4mm ) with 10% cortex located in a large exposure between Box Creek and a calcareous gravel rise.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.

Site Name	Transect ID	Site Features	Artefact Count	Other Site Feature	Other Feature Count	Recorder	Date	Site Description	Land system	Range Type	Major Range	Physography	Summary
Karra 16	KG 3	Isolated Artefact	1	reature	0	Clare Anderson	22/10/2013	Karra 16 is an isolated silcrete retouched flake (5% cortex, 27mm x 24mm x 7mm) with retouch on both lateral margins. It is located in a series of scalds between a calcareous gravel rise and a relict meander of Box Creek. Occasional stone artefacts may be located in residual soils in the landscape.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
Karra 17	KG 4	Isolated Artefact	1		0	Amanda Atkinson and Bernadette Allen	23/10/2013	Karra 17 is an isolated silcrete compete flake (5% cortex, 26mm x 25mm x 8mm) with a crushed platform and feather termination.	Gulthul	Sandplains and dunefields with mallee	Mallee	Sandplain	Extensive plain between the Darling and Murrumbidgee Rivers.
Karra 18	KG 4	Isolated Artefact	1		0	Amanda Atkinson and Bernadette Allen	23/10/2013	Karra 18 is an isolated silcrete compete flake (38mm x 25mm x 4mm) with a flaked platform and feather termination.	Gulthul	Sandplains and dunefields with mallee	Mallee	Sandplain	Extensive plain between the Darling and Murrumbidgee Rivers.
Karra 19	KG 4	Isolated Artefact	1		0	Amanda Atkinson and Bernadette Allen	23/10/2013	Karra 19 is an isolated silcrete compete flake (26mm x 19mm x 4mm) with a flaked platform and step termination.	Gulthul	Sandplains and dunefields with mallee	Mallee	Sandplain	Extensive plain between the Darling and Murrumbidgee Rivers.
Karra 20	KG 4	Isolated Artefact	1		0	Amanda Atkinson and Bernadette Allen	23/10/2013	Karra 20 is an isolated silcrete multiplatform core (50mm x 35mm x 20mm with the longest flake scar maximum dimension of 26mm). It is located in an exposure from downward slope wash off a calcareous gravel rise, east of an access track.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
Karra 21	KG 4	Artefacts	14		0	Amanda Atkinson and Bernadette Allen	23/10/2013	Karra 20 is a low density artefact scatter consisting of 14 silcrete stone artefacts including complete and broken flakes and a multiplatform core. It is located on a deflated exposure between two calcareous rises. Occasional stone artefacts may be present in residual soils in the surrounding landscape.	Gulthul	Sandplains and dunefields with mallee	Mallee	Sandplain	Extensive plain between the Darling and Murrumbidgee Rivers.
Karra 22	KG 4	Isolated Artefact	1		0	Amanda Atkinson and Bernadette Allen	23/10/2013	Karra 22 is an isolated silcrete complete flake (30% cortex, 30mm x 24mm x 10mm) with a crushed platform and feather termination	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
Karra 23	KG 4	Artefacts	2		0	Phil Roberts	23/10/2013	Karra 23 is an artefact scatter consisting a silcrete proximal flake (8mm x 10mm x 6mm) with a flaked platform and a silcrete angular fragment in a small scald.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
Karra 24	KG 4	Artefacts	25		0	Amanda Atkinson and Bernadette Allen	23/10/2013	Karra 24 is an artefact scatter consisting 25 silcrete and chert stone artefacts including complete and broken flakes, retouched flakes and two cores. It is located on a series of exposures between a meander of Box Creek and a calcareous gravel rise. Further stone artefacts in low densities can be anticipated in the surrounding residual soils.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
Karra 25	KG 4	Isolated Artefact	1		0	Clare Anderson and Benadette Allen	23/10/2013	Karra 25 is an isolated silcrete complete flake (24mm x 26mm x 12mm) with a crushed platform and step termination located in a small exposure on the transitional soil between a calcareous gravel rise and the chenopod plain associated with a relict meander of Box Creek. Occasional further stone artefacts may be present in low densities in residual soils.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
Karra 26	KG 5	Isolated Artefact	1		0	Amanda Atkinson and Bernadette Allen	23/10/2013	Karra 26 is an isolated silcrete complete flake (40mm x 25mm x 4mm) ) with a flaked platform and feather termination located in a small exposure in chenopod plain associated with a relict meander of Box Creek. Occasional further stone artefacts may be present in low densities in residual soils.	Gulthul	Sandplains and dunefields with mallee	Mallee	Sandplain	Extensive plain between the Darling and Murrumbidgee Rivers.
Karra 27	KG 5	Isolated Artefact	1		0	Amanda Atkinson and Bernadette Allen	23/10/2013	Karra 27 is an isolated silcrete proximal flake (43mm x 28mm x 4mm) with a crushed platform located in a small exposure in chenopod plain associated with a relict meander of Box Creek. Occasional further stone artefacts may be present in low densities in residual soils.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
Karra 28	KG 5	Artefacts	4		0	Amanda Atkinson and Bernadette Allen	23/10/2013	Karra 28 is an artefact scatter consisting of four silcrete flakes located in small exposure in chenopod plain associated with a relict meander of Box Creek. Occasional further stone artefacts may be present in low densities in residual soils.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.

Site Name	Transect ID	Site Features	Artefact Count	Other Site Feature	Other Feature Count	Recorder	Date	Site Description	Land system	Range Type	Major Range	Physography	Summary
Karra 29	KG 5	Artefacts	4	reature	0	Clare Anderson and Amanda Atkinson	23/10/2013	Karra 29is an artefact scatter consisting of four silcrete stone artefacts including a rretouched flake, a medial flake and two angular fragments located in small exposure in chenopod plain associated with a relict meander of Box Creek. Occasional further stone artefacts may be present in low densities in residual soils.	Gulthul	Sandplains and dunefields with mallee	Mallee	Sandplain	Extensive plain between the Darling and Murrumbidgee Rivers.
Karra 3	KG 1	Artefacts	2		0	Clare Anderson	22/10/2013	Karra 3 consists of two distal silcrete flakes that have eroded from residual soils approximately 40 m from a large pan. Wind blown sediment has built up on the residual soils. The site has been assessed as having low archaeological significance.	Marma	Scalded plains	Saltbush Plains	Alluvial plains	III-defined scalded drainage tracts associated with the Riverine Plain.
Karra 30	GWRN 1	Isolated Artefact	1		0	Amanda Atkinson and Bernadette Allen	24/10/2013	Karra 30 is a silcrete complete flake located on the margins of an expansive pan on a dune overlooking. Tin Tin Lake. It was approximately 50m from the nearest artefact recorded at site WB 107 on the same landform and could be considered part of the same site. Further stone artefacts may be located in low to moderate densities in the surrounding residual soils.	Youhl	Riverine plain with saltbush and bluebush	Saltbush Plains	Playas and Basins	Relict lakes adjacent to the Riverine Plain.
Karra 31	GWRN 2	Artefacts	3		0	Amanda Atkinson and Bernadette Allen	24/10/2013	Karra 31 ia small artefact scatter consisting of two complete silcrete flakes and a proximal silcrete flake in a scald of the relict bed of Tin Tin Lake. Further stone artefacts may be located in low to moderate densities in the surrounding residual soils.	Youhl	Riverine plain with saltbush and bluebush	Saltbush Plains	Playas and Basins	Relict lakes adjacent to the Riverine Plain.
Karra 33	GWRN 3	Artefacts, Hearth, PAD	449	Hearth	1	Clare Anderson, Amanda Atkinson, Phil Roberts, Bernadette Allen	25/10/2013	Karra 33 is an extensive occupation complex situated across a pan and rise overlooking Pitarpunga Lake and remnant drainage channels. The site contains stone artefacts of silcrete, quartz, quartzite, sandstone, chert and rhyolite and deflated hearth scatters. Artefact types include broken grinding stone fragments, retouched flakes, flakes, cores, anvils and hammerstones. Artefact densities across the pan range from 0.02 artefacts per square metre to 20 artefacts per square metre. Only a sample of the visible pan was surveyed and recorded and is highly likely that further artefacts of moderate density will be present across the pan and landform as archaeological material is visible on the surface of a pan and eroding from residuals soils along the margins of the pans. Residual soils and rills indicate soil deposits exceeding 40 cm.  The site and adjacent landforms contain research value under a number of criteria: connectivity with other sites located in association with Pitarpunga Lake and relict drainage channels, datable material in the form of remnant hearth and sandy soil profiles exceeding 40 cm, which depending on further investigation of the geomorphic agents responsible for land form	Youhl	Riverine plain with saltbush and bluebush	Saltbush Plains	Playas and Basins	Relict lakes adjacent to the Riverine Plain.
Karra 34	GWRN 4	Isolated Artefact	1		0	Phil Roberts	25/10/2013	Karra 34 is a silcrete complete flake located in a small scald measuring 20m x 10 m on the dunes and sandplains, approximately 300m from Tin Tin Lake. It is one of a number of isolated artefacts and stone artefact scatters evident in the surrounding landscape. Further stone artefacts are likely to be present in residual soils.	Youhl	Riverine plain with saltbush and bluebush	Saltbush Plains	Playas and Basins	Relict lakes adjacent to the Riverine Plain.
Karra 35	GWRN 4	Artefacts	2		0	Phil Roberts and Bernadette	25/10/2013	Karra 35 is a silcrete complete flake and silcrete angular fragment located in a small scald measuring 30m x 10 m on the dunes and sandplains, approximately 370m from Tin Tin Lake. It is one of a number of isolated artefacts and stone artefact scatters evident in the surrounding landscape. Further stone artefacts are likely to be present in residual soils.	Youhl	Riverine plain with saltbush and bluebush	Saltbush Plains	Playas and Basins	Relict lakes adjacent to the Riverine Plain.
Karra 36	GWRN 4	Isolated Artefact	1		0	Allen Bernadette Allen	25/10/2013	Karra 36 is an isolated silcrete broken flake.	Youhl	Riverine plain with saltbush and bluebush	Saltbush Plains	Playas and Basins	Relict lakes adjacent to the Riverine Plain.
Karra 37	GWRN 4	Artefacts	3		0	Bernadette Allen	25/10/2013	Karra 37 is a small artefact scatter of three silcrete stone artefacts; a complete flake, a proximal flake and a retouched flake. A quartz and a silcrete angular fragment were also recorded. Further stone artefacts in low densities may be present in residual soils.	Youhl	Riverine plain with saltbush and bluebush	Saltbush Plains	Playas and Basins	Relict lakes adjacent to the Riverine Plain.
Karra 38	GWRN 4	Isolated Artefact	1		0	Bernadette Allen	25/10/2013	Karra 38 is a silcrete complete flake (25mm x 22mm x 6mm) with a flaked platform and feather termination. it is located on a bare patch of soil in a scalded plain associated with Tin Tin Lake. Further stone artefacts may be present in low densities in residual soils in the surrounding landscape.	Youhl	Riverine plain with saltbush and bluebush	Saltbush Plains	Playas and Basins	Relict lakes adjacent to the Riverine Plain.
Karra 39	GWRN 4	Artefacts	2		0	Bernadette Allen	25/10/2013	Karra 39 is a small artefact scattering consisting of a quartz complete flake, a silcrete medial flake and two silcrete angular fragments in a seies of scalds and exposures south and west of Muckee lake.	Youhl	Riverine plain with saltbush and bluebush	Saltbush Plains	Playas and Basins	Relict lakes adjacent to the Riverine Plain.
Karra 4	KG 1	Artefacts	8		0	Clare Anderson and Phil Roberts	22/10/2013	Karra 4 is an artefact scatter of eight artefacts located in a pan adjacent a meander of Box Creek. Further stone artefacts may be present in residual soils in the surrounding landscape.	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the Riverine Plain.
Karra 40	GWRN 4	Isolated Artefact	1		0	Bernadette Allen	25/10/2013	Karra 40 is a silcrete complete flake (19mm x 25mm x 7mm) with flaked platform and step termination located in an exposure in a scalded chenopod plain between Tin Tin Lake and a meander of Box Creek.	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the Riverine Plain.
Karra 41	Car stop near KG 6	Artefacts	11		0	Amanda Atkinson and Bernadette Allen	29/10/2013	Karra 41 is a low density stone artefact scatter a quartz proximal flake, a silcrete retouched flake with retouch on the distal margin and silcrete complete and broken flakes. It is located in the transitional zone between the sandplain and the calcareous gravel rise. Further stone artefacts of low densities may be located in adjacent residual soils.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.

Site Name	Transect ID	Site Features	Artefact Count	Other Site Feature	Other Feature Count	Recorder	Date	Site Description	Land system	Range Type	Major Range	Physography	Summary
Karra 42	KG 6	Artefacts	17	reature	0	Amanda Atkinson and Bernadette Allen	29/10/2013	Karra 42 is a low density stone artefact scatter consisting of 17 silcrete flakes located in a scald to the west of a track and calcareous gravel rise and east of a meander of Box Creek.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
Karra 43	KG 6	Isolated Artefact	1		0	Amanda Atkinson and Bernadette Allen	29/10/2013	Karra 43 is a silcrete distal flake *(9mm x 15mm x 3mm0 located in an exposure with chenopod sandplain between a calcareous gravel rise and a meander of Box Creek	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
Karra 44	KG 6	Isolated Artefact	1		0	Amanda Atkinson and Bernadette Allen	29/10/2013	Karra 44 is a silcrete retouched flake with retouch on the distal margin located in an exposure with chenopod sandplain between a calcareous gravel rise and a meander of Box Creek	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
Karra 45	KG 6	Isolated Artefact	1		0	Amanda Atkinson and Bernadette Allen	29/10/2013	Karra 45 is a silcrete multiplatofmr core with 20% cortex (35mm x 30 mm x 15mm, 5 negative scars) located in an exposure with chenopod sandplain.	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the Riverine Plain.
Karra 46	KG 6	Artefacts	84		0	Clare Anderson	29/10/2013	Karra 46 is an artefact scatter of approximately 84 stone artefacts of which approximately 75 stone artefacts were recorded, located in a large pan or scald east of a meander of Box Creek. Artefacts were made from silcrete, quartz, quartzite and an unidentified volcanic material. Artefact types included complete and broken flakes, retouched flakes, cores and angular fragments. The density of artefacts within the pan were typically less than <0.01 and had a maximum of 4 artefacts per square metre.	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the Riverine Plain.
Karra 47	KG 7	Isolated Artefact	1		0	Amanda Atkinson and Bernadette Allen	31/10/2013	Karra 47 is a silcrete distal flake (12mm x 16mm x 4mm) with a feather termination located in an exposure adjacent a track in chenopod plains	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
Karra 48	KG 7	Isolated Artefact	1		0	Amanda Atkinson and Bernadette Allen	31/10/2013	Karra 48 is a silcrete complete flake (10mm x 10mm x 1mm) with a crushed platform and a feather termination.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
Karra 49	KG 7	Isolated Artefact	1		0	Amanda Atkinson and Bernadette Allen	31/10/2013	Karra 49is a silcrete distal flake (5mm x 10mm x 2mm) with a a feather termination.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
Karra 5	KG 1	Artefacts	3		0	Clare Anderson	22/10/2013	Karra 5 is a low density artefact scatter of three stone artefacts across 40 m x 20 m. It is located in a large scald which is 600 m x 200m or pan to the east of a dune and dam associated with Box Creek. Artefact scatter Karra 4 is located 70 m north-west of Karra 5 while Karra 3 is located 75m northeast. Only the portion of the pan north of the track was surveyed.	Marma	Scalded plains	Saltbush Plains	Alluvial plains	III-defined scalded drainage tracts associated with the Riverine Plain.
Karra 50	KG 8	Artefacts	6		0	Amanda Atkinson and Bernadette Allen	31/10/2013	Karra 50 is a low density artefact scatter of 6 silcrete artefacts across a series of small scalds. Artefacts include complete and broken flakes and a retouched flake.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
Karra 51	KG 8	Artefacts	4		0	Amanda Atkinson and Bernadette Allen	31/10/2013	Karra 51 is a low density artefact scatter of a silcrete complete flake, a proximal flake, a retouched flake and an angular fragment. It is located in a scald in chenopod plains, approximately 50m from another low density artefact scatter Karra 50. Further stone artefacts may be located in adjacent residual soils in low densities.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
Karra 52	KG 8	Isolated Artefact	1		0	Amanda Atkinson and Bernadette Allen	31/10/2013	Karra 52 is a silcrete angular fragment located in an exposure immediately north of a track. It has been recorded as a site due to its proximity to artefact scatter Karra 55.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
Karra 53	KG 8	Artefacts	3		0	Amanda Atkinson and Bernadette Allen	31/10/2013	Karra 52 is a small artefefact scatter of two silcrete distal flakes and one silcrete proximal flake located in a small exposure in chenopod plains.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.

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Karra 55	KG 8	Artefacts	2	reature	0	Amanda Atkinson and Bernadette Allen	31/10/2013	Karra 55 is a small artefefact scatter of two silcrete distal flakes in a small exposure in chenopod plains.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
Karra 56	KG 8	Isolated Artefact	1		0	Amanda Atkinson and Bernadette Allen	31/10/2013	Karra 56 is a silcrete complete flake located in a series of scalds and exposures. A partially buried hearth (Karra 57) is located 42m north while another isolated artefact (Karra 58) is located 48m south-west.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
Karra 57	KG 8	Hearth	0	Hearth	1	Amanda Atkinson and Bernadette Allen	31/10/2013	A partially buried possible hearth is located 48m north of site Karra 56 in a scald. Burnt sediment is clustered over a 1m area with burnt sediment, ranging in size from 2 to 10cm.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
Karra 58	KG 8	Isolated Artefact	1		0	Amanda Atkinson and Bernadette Allen	31/10/2013	Karra 58 is a silcerete distal flake (18mm x 21mm x 13mm)	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
Karra 59	KG 10	Artefacts	3		0	Amanda Atkinson and Bernadette Allen	31/10/2013	Karra 59 is a small artefact scatter of two silcrete flakes and a quartz flake located in a series of scalds and exposures on the western margin of a large scald/pan that contains site WB 43. Karra 61 is located 135m west of Karra 59. Further stone artefacts may be located in residual soils in the surrounding landscape.	Marma	Scalded plains	Saltbush Plains	Alluvial plains	III-defined scalded drainage tracts associated with the Riverine Plain.
Karra 6	KG 2	Artefacts and PAD	19		0	Clare Anderson	22/10/2013	Karra 6 is a low density artefact scatter of 19 silcrete, chert and quartzite stone artefacts in a scald north of a track which runs from a calcareous gravel rise west to Box Creek. The site contains a number of residual soil mounds with a build up of aeolian deposits up to 1.5m in height. It is anticipated that further buried stone artefacts will be present in the residual soils, demonstrated by the concetrations of artefacs at the base of residual soils and the presence of visible artefacts in the deflated scalds to the east and west of Karra 6 (eg. Karra 7).	Marma	Scalded plains	Saltbush Plains	Alluvial plains	III-defined scalded drainage tracts associated with the Riverine Plain.
Karra 60	KG 10	Isolated Artefact	1		0	Amanda Atkinson and Bernadette Allen	31/10/2013	Karra 59 is a silcrete complete flake with a crushed platform and feather termination located in an exposure between two large scalds/pans and west of an irrigation pipe. Further stone artefact may be present in residual soils in the surrounding landscape.	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the Riverine Plain.
Karra 61	KG 10	Artefacts and PAD	46		0	Amanda Atkinson and Bernadette Allen	31/10/2013	Karra 61 is a low density dispersed stone artefact scatter in a large pan east of a meander of Box Creek. It consists of 46 stone artefacts, including artefacts of silcrete, quartzite, and volcanic material. Artefact types include complete and broken flakes, retouched flakes and cores. It is likely that further stone artefacts may be present within residual soils in the surrounding landscape. It was noted that this large pan contained a much less dense distribution of artefacts when compared with the artefact densities at Karra 62, located 50m south of Karra 61.	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the Riverine Plain.
Karra 62	KG 11	Artefacts, Hearth and PAD	48	Hearth	1	Amanda Atkinson and Bernadette Allen	31/10/2013	The site consists of silcrete and quartz stone artefacts and a hearth across a dune rise providing a good view over a remnant channel of Box Creek and a pan at the base of the rise. Artefact classes include flakes, retouched flakes and cores. The hearth is in good condition with concentrated charcoal and burnt stone eroding from residual soil on the pan. The site has good potential for intact deposits within the dune and is considered to have moderate archaeological and research value due to its position in the landscape, the potential for intact deposits, the presence of datable material in the form of burnt sediment and sandy soils and the sites connectivity with Box Creek and other sites in the immediate vicinity. The site may also contain comparative value to demonstrate differing activity and occupation patterns across the project area.	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the Riverine Plain.
Karra 7	KG 2	Artefacts, Hearth and PAD		Hearth	1	Clare Anderson	22/10/2013	Karra 7 is a low density site with 10 stone artefacts and two dispersed remnant hearth scatters in a large scald immediately north of a track which runs west from a calcareous gravel rise to Box Creek. There are approximately 15 residuals soil mounds within the site and these and surrounding residual soils may contain further stone artefacts at low densities and further intact hearth deposits.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
Karra 8	KG 2	Artefacts	2		0	Clare Anderson	22/10/2013	Karra 8 is a low density scatter of two stone artefacts; a silcrete retouched flake (5% cortex, 31mm x 19mm x 7mm) with scalar and step retouch on three quadrants and a silcrete complete flake (5% cortex, 22mm x 15mm x 4mm) with a crushed platform and feather termination. It is located in a scald east of Karra 7 and it is likely that further artefacts may be present in low densities in surrounding residual soils. A relict meander of Box Creek is located approximately 600m to the west.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
Karra 9	KG 2	Artefacts	3		0	Clare Anderson	22/10/2013	Karra 9 is a low density artefact scatter of three silcrete complete flakes located in a scald north of an access track which runs from the calcareous gravel rise west to Box Creek. Further stone artefacts may be present in low densities in residual soils.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
Karra 1	Stone 2011	Artefacts	16		0	Dr. Tim Stone	0/0/2011		Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
Karra 63	KG 6	Isolated Artefact	1		0	-	29/10/2013	This site is a single isolated stone artefact	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the Riverine Plain.

Site Name	Transect ID	Site Features	Artefact Count	Other Site Feature	Other Feature Count	Recorder	Date	Site Description	Land system	Range Type	Major Range	Physography	Summary
Karra 64	WBAC 26 Option 1	Isolated Artefact	1	reature	0	Clare Anderson	11/03/2014	Single isolated silcrete medial flake with negative scars on the dorsal surface and the remains of a hinge termination (25 mm x 20mm x 5mm) located on a bare patch of soil in bluebush plans. Artefact is highly weathered.	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the Riverine Plain.
Karra 65	WBAC 27 Option 1	Artefacts and PAD	2		0	Clare Anderson	11/03/2014	A silcrete proximal flake measures 20 mm x 14 mm x 3mm and a silcrete angular fragment (maximum dimension 12mm) located in a scald on dune slope overlooking a number of larger scalds and pans. Further artefacts are likely to be present beyond the assessed site boundary and survey area.	Marma	Scalded plains	Saltbush Plains	Alluvial plains	III-defined scalded drainage tracts associated with the Riverine Plain.
Karra 70	GWRN 2	Isolated Artefact	1		0	Phil Roberts and Bernadette	24/10/2013	Karra 70 is a proximal silcrete flake with 10% cortex located in a series of scalds in the bed of Tin Tin Lake	Youhl	Riverine plain with saltbush and bluebush	Saltbush Plains	Playas and Basins	Relict lakes adjacent to the Riverine Plain.
Karra IF 1	Access Track	Isolated Artefact	1		0	Allen Clare Anderson	14/10/2013	Karra IF 1 is an isolated complete silcrete flake.	Gulthul	Sandplains and dunefields with mallee	Mallee	Sandplain	Extensive plain between the Darling and Murrumbidgee Rivers.
N 1	Tn 6	Isolated Artefact and PAD	1		0	Giles Hamm	14/08/2012	The site is an Isolated Find and Potential Archaeological Deposit and is part of Transect 6. The site is located on the edge of a forestry track and a small depression within a mixed forest. It contains a Complete Flake made from silcrete. The site is assessed to be in good condition. The site is assessed to be of low archaeological significance. The site will not be impacted by the proposed Balranald Mineral Sands Project.	Wilkurra	Sandplains and dunefields with belah and rosewood	Belah and Bluebush	Sandplain	Level sandplain with belah
N 2	Tn 8	Artefacts, Hearth and PAD	27	Hearth	1	Giles Hamm	15/08/2012	The site is an Artefact Scatter, Hearth and Potential Archaeological Deposit and is part of Transect 8. The site is located on the edge of a forestry track and a soakage within a mixed forest. It contains a total of 27 artefacts nearly all made from made from silcrete. The site is assessed to be in good condition. The site is assessed to be of high archaeological significance.	Wilkurra	Sandplains and dunefields with belah and rosewood	Belah and Bluebush	Sandplain	Level sandplain with belah
N 3	Tn 2	Artefacts	3		0	Giles Hamm	16/08/2012	The site is an Artefact Scatter and Potential Archaeological Deposit and is part of Transect 2. The site is located on a sandy ridge above a swamp depression within a saddle feature. It contains a total of 3 artefacts all made from silcrete. The site is assessed to be in fair condition. The site is assessed to be of high archaeological significance.	Bulgamurra	Sandplains and dunefields with belah and rosewood	Belah and Bluebush	Sandplain	Extensive undulating sandplain with dunes and open flats
N 4	Tn 2	Isolated Artefact	1		0	Giles Hamm	16/08/2012	The site is an Isolated Find and is part of Transect 2. The site is located in the middle of a Swamp depression in the north-east corner of Transect 2. It contains a Broken Flake made from silcrete. The site is assessed to be in poor condition. The site is assessed to be of low archaeological significance.	Arumpo	Sandplains and dunefields with mallee	Mallee	Dunefields	Parallel dunes and sandplains with narrow calcareous swales
N 5	Tn 2	Isolated Artefact	1		0	Giles Hamm	16/08/2012	The site is an Isolated Find and is part of Transect 2. The site is located in the middle of a Swamp depression in the north-east corner of Transect 2. It contains a Complete Flake made from silcrete. The site is assessed to be in poor condition. The site is assessed to be of low archaeological significance.	Bulgamurra	Sandplains and dunefields with belah and rosewood	Belah and Bluebush	Sandplain	Extensive undulating sandplain with dunes and open flats
N 6	Tn 2	Hearth	0	Hearth	1	Giles Hamm	16/08/2012	The site is an Isolated Find and is part of Transect 2. The site is located in the middle of a Swamp depression in the north-east corner of Transect 2. It contains a Termite Nest Heat Retainer. The site is assessed to be in poor condition. The site is assessed to be of low archaeological significance.	Bulgamurra	Sandplains and dunefields with belah and rosewood	Belah and Bluebush	Sandplain	Extensive undulating sandplain with dunes and open flats
N 7	Tn 1	Isolated Artefact	1		0	Giles Hamm and Shaun Adams	11/09/2012	The site is an Isolated Find and is part of Transect 1. The site is located on a vehilce track. The track runs north-south along the western boundary of Transect 1. It contains a Multi-platform core made from silcrete. The site is assessed to be in poor condition. The site is assessed to be of low archaeological significance.	Arumpo	Sandplains and dunefields with mallee	Mallee	Dunefields	Parallel dunes and sandplains with narrow calcareous swales
PL 1	PL 2	Artefacts	2		0	Amanda Atkinson and Bernadette Allen	30/10/2013	Pine Lodge 1 consists of a silcrete complete flake and a silcrete distal flake located in an exposure in an unploughed zone of Pine Lodge, 100m south and 240m west of the ploughzone. The site is also 200m and 320m respectively from two dams.	Condoulpe	Sandplains and dunefields with mallee	Mallee	Sandplain	Sandplain between dunefields and the Riverine Plain near Balranald
PL 10	PL 2	Isolated Artefact	1		0	Amanda Atkinson and Bernadette Allen	30/10/2013	Pine Lodge 10 is a silcrete distal flake located in an exposure within an unploughed zone of Pine Lodge, 175m south and 395m west of the plough zone and 225m north and 325m west of the two respective dams.	Condoulpe	Sandplains and dunefields with mallee	Mallee	Sandplain	Sandplain between dunefields and the Riverine Plain near Balranald
PL 12	PL 2	Artefacts	2		0	Amanda Atkinson and Bernadette Allen	30/10/2013	Pine Lodge 12 is a silcrete complete flake located in an exposure within an unploughed zone of Pine Lodge.	Condoulpe	Sandplains and dunefields with mallee	Mallee	Sandplain	Sandplain between dunefields and the Riverine Plain near Balranald
PL 13	PL 2	Isolated Artefact	1		0	Phil Roberts	30/10/2013	Pine Lodge 13 is a silcrete complete flake located in an exposure within an unploughed zone of Pine Lodge.	Condoulpe	Sandplains and dunefields with mallee	Mallee	Sandplain	Sandplain between dunefields and the Riverine Plain near Balranald
PL 15	PL 2	Isolated Artefact	1		0	Amanda Atkinson and Bernadette Allen	30/10/2013	Pine Lodge 15 is a silcrete flake located in an exposure within an unploughed zone of Pine Lodge.	Condoulpe	Sandplains and dunefields with mallee	Mallee	Sandplain	Sandplain between dunefields and the Riverine Plain near Balranald
PL 16	PL 2		1						Condoulpe	Sandplains and dunefields with mallee	Mallee	Sandplain	Sandplain between dunefields and the Riverine Plain near Balranald

Site Name	Transect ID	Site Features	Artefact Count	Other Site Feature	Other Feature Count	Recorder	Date	Site Description	Land system	Range Type	Major Range	Physography	Summary
PL 2	PL 2	Artefacts	2	reature	Count	Amanda Atkinson and Bernadette Allen	30/10/2013	Pine Lodge 2 consists of a silcrete complete flake and a silcrete proximal flake located in an exposure in an unploughed zone of Pine Lodge, 130m south and 318m west of the ploughzone. The site is also 255m and 277m respectively from two dams. it is located 45m east of Pine Lodge 3, 80m from Pine Lodge 1, 65m from Pine Lodge 13.	Condoulpe	Sandplains and dunefields with mallee	Mallee	Sandplain	Sandplain between dunefields and the Riverine Plain near Balranald
PL 3	PL 2	Artefacts	2		0	Amanda Atkinson and Bernadette Allen	30/10/2013	Pine Lodge 3 is a silcrete broken unifacial core and silcrete angular fragment located in an exposure in an unploughed area at Pine Lodge.	Condoulpe	Sandplains and dunefields with mallee	Mallee	Sandplain	Sandplain between dunefields and the Riverine Plain near Balranald
PL 4	PL 2	Isolated Artefact	1		0	Amanda Atkinson and Bernadette Allen	30/10/2013	Pine Lodge 4 is a silcrete complete flake located in an exposure in an unploughed area at Pine Lodge, 65m south of the ploughzone, 50m northwest of Pine Lodge 3 and 60m northeast of Pine lodge 5	Condoulpe	Sandplains and dunefields with mallee	Mallee	Sandplain	Sandplain between dunefields and the Riverine Plain near Balranald
PL 5	PL 2	Artefacts	4		0	Amanda Atkinson and Bernadette Allen	30/10/2013	Pine Lodge is an artefact scatter over a 35m x 25m area consisting of one glass retouched flake, a silcrete unifacial core, a silcrete proximal flake and a silcrete complete flake, 110m south of the ploughzone and 280m north of a dam.	Condoulpe	Sandplains and dunefields with mallee	Mallee	Sandplain	Sandplain between dunefields and the Riverine Plain near Balranald
PL 6	PL 2	Isolated Artefact	1		0	Amanda Atkinson and Bernadette Allen	30/10/2013	Pine Lodge 6 is a silcrete cmplete flake located on the margins of an exposure 100m south of the plough line, 25m west of a fenceline and 45m west of Pine Lodge 5	Condoulpe	Sandplains and dunefields with mallee	Mallee	Sandplain	Sandplain between dunefields and the Riverine Plain near Balranald
PL 7	PL 2	Artefacts	2		0	Amanda Atkinson and Bernadette Allen	30/10/2013	Pine Lodge 6 is a silcrete multifacial core and silcrete complete flake located in an exposure 160m south of the plough zone, 40m west of a fenceline and 260m north of an access track.	Condoulpe	Sandplains and dunefields with mallee	Mallee	Sandplain	Sandplain between dunefields and the Riverine Plain near Balranald
PL 8	PL 2	Isolated Artefact	1		0	Clare Anderson	30/10/2013	Pine Lodge 8 is a silcrete complete flake and a silcrete distal flake 50m south of the ploughzone.	Condoulpe	Sandplains and dunefields with mallee	Mallee	Sandplain	Sandplain between dunefields and the Riverine Plain near Balranald
PL 9	PL 2	Isolated Artefact	1		0	Amanda Atkinson and Bernadette Allen	30/10/2013	Pine Lodge 8 is a silcrete proximal flake, 280m north of an access track and 110m south of the ploughzone.	Condoulpe	Sandplains and dunefields with mallee	Mallee	Sandplain	Sandplain between dunefields and the Riverine Plain near Balranald
TL 1	TL1	Isolated Artefact	1		0	Giles Hamm and Liz Foley	4/09/2012	The site is an Isolated Find located on the lower slope of an eroding sand dune. A single silcrete flake is lying exposed on a eroding scald surface. The site is also located approximately 12 metres west of an existing fence-line and 5 metres east of an existing vehilce track. The site is assessed to be in poor condition. The site is assessed to be of low archaeological significance.	Condoulpe	Sandplains and dunefields with mallee	Mallee	Sandplain	Sandplain between dunefields and the Riverine Plain near Balranald
TL 2	TL 4	Isolated Artefact	1		0	Giles Hamm and Liz Foley	4/09/2012	The site is an Isolated Find located on a slight elevation or rise within a scald feature near a small swamp/soak. A single silcrete flake is lying exposed on a eroding scald surface. The site is located approximately 8 metres west of an existing fence-line and 3 metres east of an existing vehilce track along a power-line easement. The site is assessed to be in poor condition. The site is also assessed to be of low archaeological significance.	Condoulpe	Sandplains and dunefields with mallee	Mallee	Sandplain	Sandplain between dunefields and the Riverine Plain near Balranald
TL 3	TL 5	Hearth	0	Hearth	1	Giles Hamm	6/09/2012	The site is a scatter of termite nest heat retainer material. The heat retainer material lies exposed across a recently cleared scald surface. The site lies on a flat which was previously part of an open woodland but has been cleared for proposed development. There is no insitu archaeological material left on the site which was once an intact hearth. The site is located approximately 20 metres north of an existing 220 ky power-line easement. The site is assessed to be in poor condition. The site is also assessed to be of low archaeological significance.	Condoulpe	Sandplains and dunefields with mallee	Mallee	Sandplain	Sandplain between dunefields and the Riverine Plain near Balranald
TL 4	TL 5	Hearth	0	Hearth	1	Giles Hamm	6/09/2012	The site is a scatter of termite nest heat retainer material and a small Potential Archaeological Deposit measuring 1.3m x 1.3m in area. The heat retainer material lies exposed across a recently cleared scald surface. The site lies on a flat which was previously part of an open woodland but has been cleared for proposed development. There is a small amount of insitu archaeological material left on the site which was once an intact hearth. The site is located approximately 20 metres north of an existing 220 kv power-line easement. The site is assessed to be in poor condition. The site is also assessed to be of low archaeological significance.	Perekertin	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Transitional riverine plain on the western margins of the Riverine Plain.
TL5	TL 5	Hearth and Hearth	0	Hearth	4	Giles Hamm	6/09/2012	The site is a cluster of four termite nest hearths with Potential Archaeological Deposit. Hearth 1 is a termite nest hearth measuring 1m x 1m in area, Hearth 2 is a termite nest hearth measuring 50cm x 50cm in area. Hearths 3 & 4 are less defined and contain a scatter of heat retainer material and some minor insitu termite nest heat retainers. There is no obvious charcoal associated with these exposed hearths and no stone artefacts. The heat retainer material lies exposed across a recently cleared scald surface. The site lies on a flat which was previously part of an open woodland but has been cleared for proposed development. There is a small amount of insitu archaeological material left on the site which was once an intact hearth . The site is located approximately 20 metres north of an existing 220 ky power-line easement. The site is assessed to be in poor condition. The site is also assessed to be of medium archaeological significance.	Perekertin	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Transitional riverine plain on the western margins of the Riverine Plain.
TL 6	TL 5	Hearth and PAD	0	Hearth	1	Giles Hamm	6/09/2012	The site is a hearth scatter with Potential Archaeological Deposit. Hearth scatter material is made up of termite nest heat retainers which have been disturbed due to ground clearing as a result of the construction of the 220 kv power-line easement. There is no obvious charcoal associated with this exposed hearth scatter and no stone artefacts. The heat retainer material lies exposed across a recently cleared scald surface. The site lies on a flat which was previously part of an open woodland but has been cleared for proposed development. There is a small amount of insitu archaeological material left on the site which was once a series of intact hearths . The site is located approximately 20 metres north of an existing 220 kv power-line easement. The site is assessed to be in poor condition. The site is also assessed to be of medium archaeological significance.	Perekertin	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Transitional riverine plain on the western margins of the Riverine Plain.
TL 7	TL5	Artefacts, Mound, Mound Scatter, Oven, Oven Scatter and PAD	82	Hearth	7	Giles Hamm	6/09/2012	The site is a cluster of 13 intact earth mounds (on average approximately 20m in diameter and 1m in height), 16 mound scatters, a number of hearths and artefact scatters. The mounds are clustered around a swamp/lagoon feature which has not be subjected to intensive ploughing for wheat cropping. A water pipe and trench extends through the mounds providing some additional protection. Termite nest hearths are the most common within the site and stone artefacts are dominated by silcrete flakes. The site lies within a unploughed paddock which is located near a stand of Black Box trees and a slightly elevated swamp feature on a flat. The site is assessed to be in fair condition. The site is also assessed to be of high archaeological significance.	Perekertin	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Transitional riverine plain on the western margins of the Riverine Plain.

Site Name	Transect ID	Site Features	Artefact Count	Other Site	Other Feature	Recorder	Date	Site Description	Land system	Range Type	Major Range	Physography	Summary
TL 8		Isolated Artefact	1	Feature	Count			The site is an Isolated Find located on a river terrace feature on the Murrumbidgee floodplain . A single silcrete flaked piece is lying exposed on a eroding scald surface. The site is located approximately 2 metres west of an existing fence-line and 1 metres east of an existing vehilce track The site is assessed to be in poor condition. The site is also assessed to be of low archaeological significance.	Riverland	Floodplains with black box and/or river red gum	Southern Riverine Woodlands	Alluvial plains	Murray, Murrumbidgee, Edward and Wakool Rivers and their floodplains
TO 1	O BH 10	Isolated Artefact	1		0	Balazs Hansel	18/12/2014	This site is a single isolated stone artefact	Marma	Scalded plains	Saltbush Plains	Alluvial plains	III-defined scalded drainage tracts associated with the Riverine Plain.
TO 11	IB 8 - AA _S	Isolated Artefact	1		0	Nicolas Grguric	17/12/2014	The site is a single silcrete flake located in saltbush plains. The artefact class is common and well represented in the local and regional landscape. The site meets the criteria for low scientific significance.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
TO 12	IB 8 - AA _S	Artefacts	94		0	Amanda Atkinson	17/12/2014		Marma	Scalded plains	Saltbush Plains	Alluvial plains	III-defined scalded drainage tracts associated with the Riverine Plain.
TO 13	IB 8 - AA _S	Isolated Artefact	1		0	Amanda Atkinson	17/12/2014	This site is an isolated stone artefact and dispersed hearth scatter. The site and artefact class are common and well represented in the project area and local region. The site meets the criteria for low significance.	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the Riverine Plain.
TO 14	IB 8 - AA _S	Artefacts and Hearth	35	Hearth	2	Sharon Lane	17/12/2014	This site contains a number of intact hearths which offer research potential to help create a picture of the chronology of occupation in the project area.	Marma	Scalded plains	Saltbush Plains	Alluvial plains	III-defined scalded drainage tracts associated with the Riverine Plain.
TO 15	IB 8 - AA _S	Artefacts	151		0	Sharon Lane	17/12/2014	This site is an artefact scatter. The site and artefact class are common and well represented in the project area and local region.  The site meets the criteria for low significance.	Marma	Scalded plains	Saltbush Plains	Alluvial plains	III-defined scalded drainage tracts associated with the Riverine Plain.
TO 16	IB 8 - AA _S	Artefacts	40		0	Amanda Atkinson	17/12/2014		Marma	Scalded plains	Saltbush Plains	Alluvial plains	III-defined scalded drainage tracts associated with the Riverine Plain.
TO 17	IB 8 - AA _S	Artefacts	10		0	Sharon Lane	17/12/2014	This site is an artefact scatter. The site and artefact class are common and well represented in the project area and local region. The site meets the criteria for low significance.	Marma	Scalded plains	Saltbush Plains	Alluvial plains	III-defined scalded drainage tracts associated with the Riverine Plain.
TO 18	IB 8 - S CD	Artefacts	25		0	Sharon Lane	17/12/2014		Marma	Scalded plains	Saltbush Plains	Alluvial plains	III-defined scalded drainage tracts associated with the Riverine Plain.
TO 19	IB 8 - S CD	Artefacts	6		0	Sharon Lane	17/12/2014		Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the Riverine Plain.
TO 2 / TO 20	IB 8 - S - CD	Artefacts and Hearth	403	Hearth	4	Balazs Hansel and Amanda Atkinson	18/12/2014	TO2/TO20 is a low density artefact scatter (n=~403) with 1 deflated hearth feature with approximately 30 fragments located on the eastern side of a dune/lunette, extending towards a crest to the west. The scatter spreads from the crest of a lunette, down the slope to the east of the lunette and onto the scalded plains. Portions of the lunette are vegetated and do not have clear visibility. Artefacts were identified in wind deflated areas amongst blue bush/saltbush on residual soil. The stone artefact assemblage consists of silcrete, quartz chert and quartzite materials with artefact classes including retouched flakes, flakes and cores. Sufficient densities of artefacts exist at this site to conduct statistical analysis of the stone artefact assemblage. Residual soils are likely to be PADs.	Marma	Scalded plains	Saltbush Plains	Alluvial plains	III-defined scalded drainage tracts associated with the Riverine Plain.
TO 21	B BH 9	Isolated Artefact	1		0	Joe Borg/Bianca Petruzelli	17/12/2014	This site is an isolated stone artefact. The site and artefact class are common and well represented in the project area and local region. The site meets the criteria for low significance.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
TO 22 / TO 23	O BH 10	Artefacts and Hearth	4	Hearth	4	Balazs Hansel	17/12/2014	This site is an low density dispersed stone artefact. The site and artefact class are common and well represented in the project area and local region. The site meets the criteria for low significance.	Marma	Scalded plains	Saltbush Plains	Alluvial plains	III-defined scalded drainage tracts associated with the Riverine Plain.
TO 24	IB 8 - AA - S	Artefacts and Hearth	10	Hearth	1	Sharon Lane	16/12/2014	This site is an low density dispersed stone artefact and hearth. The site and artefact class are common and well represented in the project area and local region. The site meets the criteria for low significance.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
TO 25	IB 8 - AA - S	Isolated Artefact	1		0	Sharon Lane	16/12/2014	This site is an isolated stone artefact. The site and artefact class are common and well represented in the project area and local region. The site meets the criteria for low significance.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
TO 26	IB 8 - AA - S	Artefacts	2		0	Clair Davey	16/12/2014	This site is an low density dispersed stone artefact. The site and artefact class are common and well represented in the project area and local region. The site meets the criteria for low significance.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
TO 27	IB 8 - AA _S	Isolated Artefact	1		0	Amanda Atkinson	17/12/2014	This site is a single isolated stone artefact	Marma	Scalded plains	Saltbush Plains	Alluvial plains	III-defined scalded drainage tracts associated with the Riverine Plain.
TO 28	O BH 10	Artefacts	2		0	Balazs Hansel	17/12/2014		Marma	Scalded plains	Saltbush Plains	Alluvial plains	III-defined scalded drainage tracts associated with the Riverine Plain.
TO 29	O BH 10	Artefacts	2		0	Balazs Hansel	17/12/2014		Marma	Scalded plains	Saltbush Plains	Alluvial plains	III-defined scalded drainage tracts associated with the Riverine Plain.
TO 30 / TO 31	O BH 10	Artefacts	39		0	Balazs Hansel	17/12/2014	The site is a low density artefact scatter representing a visible portion of the low density, continuous and dispersed artefact scatter exposed within scalds and bare patches of soil in the scalded plains of the Rata system. It is common and well represented and many more can be expected in the project area and the wider region. The site is therefore considered to have low scientific value.	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the Riverine Plain.
TO 32	TT BH 7	Isolated Artefact	1		0	Clare Anderson	15/12/2014	This site is a single isolated stone artefact	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the Riverine Plain.
TO 33	TT BH 7	Isolated Artefact	1		0	Clare Anderson	15/12/2014	This site is an isolated stone artefact. The object has no ability to inform us about the local past beyond what has already been recorded. The site meets the criteria for low significance.	Marma	Scalded plains	Saltbush Plains	Alluvial plains	III-defined scalded drainage tracts associated with the Riverine Plain.

Site Name	Transect ID	Site Features	Artefact Count	Other Site Feature	Other Feature Count	Recorder	Date	Site Description	Land system	Range Type	Major Range	Physography	Summary
TO 34	TT BH 7	Isolated Artefact	1	reature	O	Clare Anderson	15/12/2014	This site is an isolated stone artefact. The object has no ability to inform us about the local past beyond what has already been recorded. The site meets the criteria for low significance.	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the
TO 35	TT BH 7	Artefacts			0	Balazs Hansel	15/12/2014	This site is an low density dispersed stone artefact. The site and artefact class are common and well represented in the project area and local region. The site meets the criteria for low significance.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Riverine Plain.  Extensive saltbush plain with small subcircular depressions.
TO 36	TT BH 7	Artefacts	6		0	Balazs Hansel	15/12/2014	This site is an low density dispersed stone artefact. The site and artefact class are common and well represented in the project area and local region. The site meets the criteria for low significance.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
TO 37	TT BH 7	Artefacts			0	Clare Anderson	15/12/2014		Rata	Riverine plain with saltbush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
TO 38	TT BH 7	Artefacts	2		0	Clare Anderson	15/12/2014	2 artefact fragments in scalds adjacent to a larger scald in alluvial scalded plain. A lunette is present to the west. Occassional isolated knappng events but material is so wethered it is not diagnostic. Silcrete worm pebble aslo present.	Marma	Scalded plains	Saltbush Plains	Alluvial plains	III-defined scalded drainage tracts associated with the Riverine Plain.
TO 39	TT BH 7	Isolated Artefact	1		0	Clare Anderson	15/12/2014	Vast exposure in alluvial scalded plain near oldman bush and drainage line.	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the Riverine Plain.
TO 40	TT BH 7	Isolated Artefact	1		0	Clare Anderson	15/12/2014	Isolated artefact located on a slight rise ( <m) a="" alluvial="" in="" on="" pan="" plain.<="" scald="" td=""><td>Marma</td><td>Scalded plains</td><td>Saltbush Plains</td><td>Alluvial plains</td><td>Ill-defined scalded drainage tracts associated with the</td></m)>	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the
TO 41	TT BH 7	Artefacts			0	Clare Anderson	15/12/2014	Coarse grained silcrete AF, course grained cobble. 2 artefacts located in wash and erosion scalds near drainage channel with white bleached alluvial soils	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Riverine Plain.  Ill-defined scalded drainage tracts associated with the
TO 42	TT BH 7	Artefacts	2		0	Clare Anderson	15/12/2014	Site is two stone artefacts located in a scald pan on a minor rise over a drainage channel	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Riverine Plain.  Ill-defined scalded drainage tracts associated with the
TO 43	TT BH 7	Isolated	1		0	Clare	15/12/2014	Wash and grazing tracks exposure in rise on alluvial plain in elevated terrain.	Rata	Riverine plain with	Saltbush Plains	Alluvial	Riverine Plain.  Extensive saltbush plain with
TO 44	TT BH 7	Artefact Isolated Artefact	1		0	Anderson Clare	15/12/2014	One silcrete manuport, to weathered to make a call, approx. 80mm.	Rata	saltbush and bluebush Riverine plain with	Saltbush Plains	plains Alluvial	small subcircular depressions.  Extensive saltbush plain with
TO 45	TT BH 7	Isolated Artefact	1		0	Anderson Clare Anderson	15/12/2014	Silcrete distal flake	Rata	saltbush and bluebush Riverine plain with saltbush and bluebush	Saltbush Plains	plains Alluvial plains	small subcircular depressions.  Extensive saltbush plain with
TO 46	B BH 9	Isolated Artefact	1		0	Balazs Hansel	17/12/2014	Isolated artefact located on a stock track.	Rata	Riverine plain with	Saltbush Plains	Alluvial	small subcircular depressions.  Extensive saltbush plain with
TO 47	B BH 9	Artefacts	2		0	Balazs	17/12/2014	Scatter of 2 artefacts located in a slight depression.	Rata	saltbush and bluebush Riverine plain with	Saltbush Plains	Alluvial	small subcircular depressions.  Extensive saltbush plain with
TO 48	B BH 9	Isolated	1		0		17/12/2014	Isolated find located on an exposed area. There are lots of animal burrows within the vicinity and theatre is affected by surface	Rata	saltbush and bluebush Riverine plain with	Saltbush Plains	plains Alluvial	small subcircular depressions.  Extensive saltbush plain with
TO 49	IB 8 - AA - S	Artefact Artefacts	2		0	Nicolas	16/12/2014	wash as well.  Two stone artefacts in an area subject to episodic wash	Rata	saltbush and bluebush Riverine plain with	Saltbush Plains	plains Alluvial	small subcircular depressions.  Extensive saltbush plain with
TT 10	T/BH11	Isolated Artefact	1		0	Grguric Balazs	19/12/2014	IF located on flat land along a deflated area.	Rata	saltbush and bluebush Riverine plain with	Saltbush Plains	plains Alluvial	small subcircular depressions.  Extensive saltbush plain with
Π 11	T/BH11	Isolated	1		0	Joe Borg	19/12/2014	An isolated stone artefact located on a sandplain.	Rata	saltbush and bluebush Riverine plain with	Saltbush Plains	plains Alluvial	small subcircular depressions.  Extensive saltbush plain with
TT 12	T/BH11	Artefact Isolated	1		0	Balazs	19/12/2014	IF on exposure caused by deflation and surface wash.	Rata	saltbush and bluebush Riverine plain with	Saltbush Plains	plains Alluvial	small subcircular depressions.  Extensive saltbush plain with
TT 13	T/BH11	Artefact Artefacts	2		0		19/12/2014	Scatter of two approx 40m each other.	Rata	saltbush and bluebush Riverine plain with	Saltbush Plains	plains Alluvial	small subcircular depressions.  Extensive saltbush plain with
TT 14	T/BH11	Isolated Artefact	1		0	Joe Borg	19/12/2014	An isolated stone artefact.	Rata	saltbush and bluebush Riverine plain with saltbush and bluebush	Saltbush Plains	plains Alluvial plains	small subcircular depressions.  Extensive saltbush plain with small subcircular depressions.
TT 15	T/BH11	Isolated	1		0	Balazs	19/12/2014	IF LOCATED ON A VEHICLE TRACK.	Rata	Riverine plain with	Saltbush Plains	Alluvial	Extensive saltbush plain with
TT 16	IB 5 - AA	Artefact Artefacts	9		0	Hansel Amanda	20/12/2014	A small scatter of 9 stone artefacts.	Youhl	saltbush and bluebush Riverine plain with	Saltbush Plains	plains Playas and	small subcircular depressions. Relict lakes adjacent to the
TT 24	Walking to next	Isolated	1		0	Atkinson Amanda	15/12/2014	Silcrete core located on an alluvial plain	Rata	saltbush and bluebush Riverine plain with	Saltbush Plains	Basins Alluvial	Riverine Plain.  Extensive saltbush plain with
TT 25	transect IB 9 - CD	Artefact Isolated	1		0	Atkinson Amanda	15/12/2014	Smashed emu egg about 5m to the west of a piece of ochre (WP 1063)	Rata	saltbush and bluebush Riverine plain with	Saltbush Plains	plains Alluvial	small subcircular depressions.  Extensive saltbush plain with
TT 26	IB 9 - CD	Artefact Artefacts	7		0	Atkinson Sharon Lane	15/12/2014	This site is an low density dispersed stone artefact. The site and artefact class are common and well represented in the project area and local region. The site meets the criteria for low significance.	Rata	saltbush and bluebush Riverine plain with saltbush and bluebush	Saltbush Plains	plains Alluvial plains	small subcircular depressions.  Extensive saltbush plain with small subcircular depressions.
TT 27	IB 9 - CD	Artefacts	12		0	Sharon Lane	15/12/2014		Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the
TT 28	IB 9 - CD	Artefacts			0	Sharon Lane	15/12/2014		Rata	Riverine plain with	Saltbush Plains	Alluvial	Riverine Plain.  Extensive saltbush plain with
π 29	IB 9 - CD	Artefacts	7		0	Sharon Lane	15/12/2014	This site is an low density dispersed stone artefact. The site and artefact class are common and well represented in the project area and local region. The site meets the criteria for low significance.	Rata	saltbush and bluebush Riverine plain with saltbush and bluebush	Saltbush Plains	plains Alluvial plains	small subcircular depressions.  Extensive saltbush plain with small subcircular depressions.
ТТ 30	IB 9 - CD	Artefacts	29		0	Sharon Lane	15/12/2014		Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
TT 31	IB 9 - CD	Artefacts	4		0	Sharon Lane	16/12/2014	This site is an low density dispersed stone artefact. The site and artefact class are common and well represented in the project area and local region. The site meets the criteria for low significance.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.

Site Name	Transect ID	Site Features	Artefact Count	Other Site Feature	Other Feature Count	Recorder	Date	Site Description	Land system	Range Type	Major Range	Physography	Summary
ТТ 32	IB 9 - CD	Artefacts	3	reacure	0	Sharon Lane	16/12/2014	This site is an low density dispersed stone artefact. The site and artefact class are common and well represented in the project area and local region. The site meets the criteria for low significance.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
П 33	IB 9 - CD	Isolated Artefact	1		0	Amanda Atkinson	16/12/2014	This site is an isolated stone artefact. The site and artefact class are common and well represented in the project area and local region. The site meets the criteria for low significance.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
TT 34	IB 9 - CD	Artefacts	41		0	Sharon Lane	16/12/2014	This site may contain archaeological deposits both within and beyond the surveyed areas along the dune of the lake bed	Marma	Scalded plains	Saltbush Plains	Alluvial plains	III-defined scalded drainage tracts associated with the Riverine Plain.
П 35	IB 9 - CD	Artefacts	2		0	Amanda Atkinson/ Clair Davey	16/12/2014	This site is an low density dispersed stone artefact. The site and artefact class are common and well represented in the project area and local region. The site meets the criteria for low significance.	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the Riverine Plain.
TT 37	IB 9 - CD	Isolated Artefact	1		0	Sharon Lane	16/12/2014	This site is an isolated stone artefact. The site and artefact class are common and well represented in the project area and local region. The site meets the criteria for low significance.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
TT 38 / TT 39	IB 9 - CD	Artefacts	4		0	Clair Davey	16/12/2014	This site is a low density artefact scatter. The site and artefact class are common and well represented in the project area and local region. The site meets the criteria for low significance.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
ТТ 9	Opportunistic walk from IB 9 - CD	Artefacts			0	Amanda Atkinson	15/12/2014	This site is a low density artefact scatter	Marma	Scalded plains	Saltbush Plains	Alluvial plains	III-defined scalded drainage tracts associated with the Riverine Plain.
TT AS 1	59	Artefacts and PAD	8		0	Clare Anderson	29/05/2013	Tin Tin Artefact Scatter 1 is an area of exposure within an eroding dune system along the eastern margins of an open depression. The site consists of eight stone artefacts which are eroding from the dune. Young box trees are present along the margins of the depression and in the dunes suggesting the presence of groundwater. Tin Tin Artefact Scatter is in close proximity to Tin Tin Artefact Scatter 2, Tin Tin Artefact Scatter 3 and a series of isolated finds. It is highly likely that further surface and subsurface artefacts are present within and on the margins of the depression.	Marma	Scalded plains	Saltbush Plains	Alluvial plains	III-defined scalded drainage tracts associated with the Riverine Plain.
TT AS 2	59	Artefacts, Hearth and PAD	1	Hearth	1	Clare Anderson	29/05/2013	Tin Tin Artefact Scatter 2 is an area of exposure within an eroding dune system along the eastern margins of an open depression. The site consists of a silcrete flake and a calcrete hearth scatter. Young box trees are present along the margins of the depression and in the dunes suggesting the presence of groundwater. Tin Tin Artefact Scatter is in close proximity to Tin Tin Artefact Scatter 1, Tin Tin Artefact Scatter 3 and a series of isolated finds. It is highly likely that further surface and subsurface artefacts are present within and on the margins of the depression.	Marma	Scalded plains	Saltbush Plains	Alluvial plains	III-defined scalded drainage tracts associated with the Riverine Plain.
TT AS 3	Tracks 59	Artefacts	2		0	Clare Anderson	29/05/2013	Tin Tin Artefact Scatter 3 is an area of exposure within an open depression. The site consists of a silcrete flake and a calcrete hearth scatter. Young box trees are present along the margins of the depression and in the dunes suggesting the presence of groundwater. Tin Tin Artefact Scatter 3 is in close proximity to Tin Tin Artefact Scatter 1, Tin Tin Artefact Scatter 2 and a series of isolated finds. It is highly likely that further surface artefacts are present within and on the margins of the depression.	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the Riverine Plain.
TT IF 4	Tracks 59	Isolated Artefact	1		0	Clare Anderson	29/05/2013	Tin Tin Isolated Find 4 is an area of exposure within an open depression. The site consists of a silcrete flake. Flake was outside of survey area	Gulthul	Sandplains and dunefields with mallee	Mallee	Sandplain	Extensive plain between the Darling and Murrumbidgee Rivers.
TT IF 5	Walk back to car	Isolated Artefact	1		0	Clare Anderson	29/05/2013	Tin Tin Isolated Find 5 consists of a silcrete flake noted when walking back to the car.	Gulthul	Sandplains and dunefields with mallee	Mallee	Sandplain	Extensive plain between the Darling and Murrumbidgee Rivers.
TT IF 6	Walk back to car	Isolated Artefact	1		0	Clare Anderson	29/05/2013	Tin Tin Isolated Find 6 consists of a silcrete flake noted when walking back to the car.	Gulthul	Sandplains and dunefields with mallee	Mallee	Sandplain	Extensive plain between the Darling and Murrumbidgee Rivers.
TT IF 7	Walk back to car	Isolated Artefact	1		0	Clare Anderson	29/05/2013	Tin Tin Isolated Find 7 consists of a silcrete flake noted when walking back to the car.	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the Riverine Plain.
TT IF 8	Walk back to car	Isolated Artefact	1		0	Clare Anderson	29/05/2013	Tin Tin Isolated Find 8 is an area of exposure within an open depression. The site consists of a silcrete flake. Flake observed when walking back to car	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the Riverine Plain.
UD 1	WBAC 58 - Option 1	Isolated Artefact	1		0	Clare Anderson	12/03/2014	A single isolated silcerete distal flake with step termination (24 mm x 21 mm x 7mm) located 12 m off an access track on a eastwest running dune crest in a dunefield. Vegetation nearby included acacia, mulga, mallee and blackbox. Soaks and minor depressions present within 100 m.	Hatfield	Undulating sandplains with bluebush	Belah and Bluebush	Sandplain	Extensive undulating plains with bluebush

Site Name	Transect ID	Site Features	Artefact Count	Other Site Feature	Other Feature Count	Recorder	Date	Site Description	Land system	Range Type	Major Range	Physography	Summary
UD 10 / UD 11 / UD 13	GWRB Area 2 - 1	Artefacts	5	reature	0	Clare Anderson	9/10/2014	UD 10 / UD 11 / UD 13 is a low density stone artefact scatter comprising 5 stone artefacts at four focal points (UD 10, UD 11 (E 716837, N 6202095), UD 13.1 (E 716868, N 6202120) and UD 13.2 (E 716867, N 6202119)) between 30 and 40 m apart on an alluvial plain. UD 12 is located 65 m to the south of the site. The site falls within the moderate risk layer and occasionaly isolated and low density artefact scatters of low significance may be expected to occur in the landform.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
UD 103	GWRB Area 4 - 4	Artefacts and Hearth	12	Hearth	2	Clare Anderson	16/10/2014	Site contains two intact hearths offering excellent dating opportunities in a small wash scald and drainag channel in a stand of box trees.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
UD 104	GWRB Area 4 - 4	Artefacts and	2	Hearth	1	Clare	16/10/2014		Rata	Riverine plain with	Saltbush Plains	Alluvial	Extensive saltbush plain with
UD 105	GWRB Area 4 - 4	Hearth Isolated	1		0	Anderson Georgia	16/10/2014		Rata	saltbush and bluebush Riverine plain with	Saltbush Plains	plains Alluvial	small subcircular depressions.  Extensive saltbush plain with
UD 106	GWRB Area 4 - 4	Artefact Possible Hearth	0	Hearth	1	Roberts Clare	16/10/2014		Rata	saltbush and bluebush Riverine plain with	Saltbush Plains	plains Alluvial	small subcircular depressions.  Extensive saltbush plain with
05 100		T GSSIDIC TYCUTCH				Anderson	10/10/2011		- Nata	saltbush and bluebush	Suita asii i laiiis	plains	small subcircular depressions.
UD 107	GWRB Area 4 - 4	Artefacts	8		0	Clare Anderson	16/10/2014		Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
UD 108	GWRB Area 4 - 4	Isolated Artefact	1		0	Clare Anderson	16/10/2014	Fragment of pelvis, rib, one of the wrist or ankle bone, rib body and a rib end and the morphological features on the rib end and the estragulus are inconsistent with human bone. And the size of the rib body is also inconsistent its human. Scatter of non human bone, burnt over 1.5m x 1.5m. There is a chert artefact with heavy platform preparation on the dorsal surface 2m from bone scatter. Ranges from white to blue (bone fragments)	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
UD 109	GWRB Area 4 - 4	Artefacts	5		0	Clare Anderson	16/10/2014		Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
UD 110	GWRB Area 4 - 4	Artefacts	5		0	Clare Anderson	16/10/2014		Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
UD 111	GWRB Area 4 - 4	Artefacts	11		0	Clare Anderson	16/10/2014		Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
UD 112	IB 6 - N - CD	Artefacts	17		0	Sharon Lane	12/12/2014	This site is a sparse scatter of artefacts lpcated in asubtle depression in the centre of which is a stock watering trough. The area is highly distubed by stock trampling it is also on the intersection of two vehicle tracks. The site is surrounded by a saltbush scalded plains It is not clear if the pan is natural or was created a sr esult of disturbance and subsequent erosion. As in all these locations there is a high potential for further surface and subsurface Aboriginal objects to exist in undisturbed and unsurveyed areas.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
UD 113	IB 6 - N - CD	Isolated	2		0	Sharon Lane	12/12/2014	This site is an isolated artefact located on flat land in a vegeated scalded plain. The area is curretly grazed. Another site was	Rata	Riverine plain with	Saltbush Plains	Alluvial	Extensive saltbush plain with
UD 114	IB 6 - N - CD	Artefact Isolated	1		0	Amanda	13/12/2014	recorded nearby  This site is an isolated stone artefact located on alluvial plains.	Rata	saltbush and bluebush Riverine plain with	Saltbush Plains	plains Alluvial	small subcircular depressions.  Extensive saltbush plain with
UD 115 / UD 119	IB 6 - N - CD	Artefact Artefacts and	11	Hearth	1	Atkinson Sharon Lane	13/12/2014	UD 115 comprises a low densit artefact scatter and hearth located in an eroded scald or stock pad. The distribution of artefacts	Gulthul	saltbush and bluebush Sandplains and	Mallee	plains Sandplain	small subcircular depressions.  Extensive plain between the
		Hearth					, ,	largely follows the extent of the eroded area with the visibility beyond the eroded areaTA scattered hearth was found on the northern portion of the site but did not appear to have any in situ material. Further surface and subsurface Aboriginal objects are likely in the surrounding less eroded plains beyond the surveyed area.		dunefields with mallee			Darling and Murrumbidgee Rivers.
UD 116	Walk between transects	Artefacts	62		0	Balazs Hansel	12/12/2014	Large scatter located in a heavily eroded, deflated natural drainage channel. The are has high level of disturbance due to grading, construction of multiple dams and artificial drainage Chanel.	Hatfield	Undulating sandplains with bluebush	Belah and Bluebush	Sandplain	Extensive undulating plains with bluebush
UD 117	IB 6 - N - CD	Artefacts	7		0	Sharon Lane	13/12/2014	This site is a small low densty artefact scatter across a broad area on a flat sandplain. Disturbance from stock trampling and erosion are evident.	Hatfield	Undulating sandplains with bluebush	Belah and Bluebush	Sandplain	Extensive undulating plains with bluebush
UD 118	IB 6 - N - CD	Artefacts	4		0	Sharon Lane	13/12/2014	A small low density site exposed on a vehicle track in saltbush plains. Visibility in the surrouding landscape around 50%. There is potential for further surface and subsurface Aboriginal objects in less exposed and intact residual soils.	Hatfield	Undulating sandplains with bluebush	Belah and Bluebush	Sandplain	Extensive undulating plains with bluebush
UD 12	GWRB Area 2 - 1	Isolated Artefact	1		0	Georgia Roberts	9/10/2014	Isolated surface find	Rata	Riverine plain with saltbush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
UD 120	UD BH 6	Artefacts and Hearth	98	Hearth	2	Balazs Hansel	13/12/2014	Massive, dense artefact scatter located in a depression within a heavily eroding dune. Artefacts were found in large numbers within the entire depression, with the highest density in the N section. All diagnostic pieces were recorded in detail. Angular fragments only counted due to time safety constrains.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
UD 121	UD BH 6	Artefacts	24		0		13/12/2014	A scatter of 24 stone artefacts.	Rata	Riverine plain with	Saltbush Plains	Alluvial	Extensive saltbush plain with
UD 122	UD BH 6	Artefacts and	27	Hearth	1	Hansel Balazs	13/12/2014	Moderately dense artefact scatter located in alluvial salt bush plain. Site contained retouched artefacts and an intact hearth with	Rata	saltbush and bluebush Riverine plain with	Saltbush Plains	plains Alluvial	small subcircular depressions.  Extensive saltbush plain with
UD 123	IB 6 - N - CD	Hearth  Artefacts and	17	Hearth	1	Hansel Amanda	13/12/2014	visible charcoal. The hearth should be considered PAD  A scatter of 17 stone artefacts located on a flat alluvial plain, displaying excellent site integrity.	Rata	saltbush and bluebush  Riverine plain with	Saltbush Plains	plains Alluvial	small subcircular depressions.  Extensive saltbush plain with
OD 123	10 0 - N - CD	Hearth	1/	пеагіл		Amanda Atkinson	15/12/2014	A scarcer of 17 stone attenacts located on a nat alluvial plain, displaying excellent site integrity.	Naid	saltbush and bluebush	Samusii Plains	plains	small subcircular depressions.
UD 124	UD BH 6	Artefacts	2		0	Balazs Hansel	13/12/2014	Two stone artefacts.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
UD 125	UD BH 6	Artefacts	34		0	Balazs Hansel	13/12/2014	Large art scatter located inside an elongated oval shaped (W-E) depression. The site is extending beyond the footprint twos N and S. Probably the entire landform unit is an archaeological site. The heavily eroded sandy bank of the depression contains artefacts as well on the S and N side.	Marma	Scalded plains	Saltbush Plains	Alluvial plains	III-defined scalded drainage tracts associated with the Riverine Plain.

Site Name	Transect ID	Site Features	Artefact Count	Other Site Feature	Other Feature Count	Recorder	Date	Site Description	Land system	Range Type	Major Range	Physography	Summary
UD 126	Walk between	Isolated	2	reature	0		12/12/2014	Isolated find located approx 100m SE SITUATED ON erodedSURFACE.	Hatfield	Undulating sandplains	Belah and	Sandplain	Extensive undulating plains with
UD 127	transects B / UD BH 5	Artefact Artefacts	1		0	Hansel Balazs	12/12/2014	Scatter of two art located on an easterly slope. The site is located on heavily disturbed land(grading, excavation, vehicle track)	Hatfield	with bluebush Undulating sandplains	Bluebush Belah and	Sandplain	bluebush  Extensive undulating plains with
UD 128	Opportunistic	Artefacts	2		0	Hansel Balazs	12/12/2014	Scatter of two art located on the boundary of easterly dune slope and drainage channel, situated on a heavily used vehicle track.	Hatfield	with bluebush Undulating sandplains	Bluebush Belah and	Sandplain	bluebush Extensive undulating plains with
05 120	walk near BH 5	/itteldets				Hansel	12/12/2014	seater of two at riceased on the soundary of easierly daile stope and drainage channel, stadeed on a nearly asea verifice track.	riatiicia	with bluebush	Bluebush	Sanapiani	bluebush
UD 129	BH 5	Isolated Artefact	1		0	Balazs Hansel	12/12/2014	Isolated find located on a stock track, situated on an E slope.surroundings of the site is covered by leaf litter affecting visibility.	Gulthul	Sandplains and dunefields with mallee	Mallee	Sandplain	Extensive plain between the Darling and Murrumbidgee Rivers.
UD 130	TT / UD BH 8	Isolated	1		0		16/12/2014	Isolated find located on an exposed area/slight depression/scald.	Rata	Riverine plain with	Saltbush Plains	Alluvial	Extensive saltbush plain with
UD 131	GWRN 6	Artefact Isolated	1		0	Hansel Balazs	20/12/2014	IF located on flat land approx 500m W of Bourke & WillsRd.	Rata	saltbush and bluebush Riverine plain with	Saltbush Plains	plains Alluvial	small subcircular depressions.  Extensive saltbush plain with
		Artefact				Hansel				saltbush and bluebush		plains	small subcircular depressions.
UD 132	UD BH 12	Isolated Artefact	1		0	Balazs Hansel	20/12/2014	An isolated stone artefact.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
UD 133	IB 6 - N - CD	Isolated	1		0	Nicolas	12/12/2014	An isolated stone artefact on an alluvial plain.	Rata	Riverine plain with	Saltbush Plains	Alluvial	Extensive saltbush plain with
UD 134	IB 6 - N - CD	Artefact Isolated	1		0	Grguric Nicolas	12/12/2014	An isolated stone artefact on an alluvial plain.	Rata	saltbush and bluebush Riverine plain with	Saltbush Plains	plains Alluvial	small subcircular depressions.  Extensive saltbush plain with
UD 135	IB 6 - N - CD	Artefact Artefacts			0	Grguric Sharon Lane	12/12/2014	Unknown - no data	Rata	saltbush and bluebush Riverine plain with	Saltbush Plains	plains Alluvial	small subcircular depressions.  Extensive saltbush plain with
					1					saltbush and bluebush		plains	small subcircular depressions.
UD 136	IB 6 - N - CD	Isolated Artefact and Hearth	1	Hearth	1	Nicolas Grguric	13/12/2014	An isolated artefact located on a bulldozed track.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
UD 137	UD BH 6	Isolated Artefact	2		0	Balazs Hansel	13/12/2014	Isolated find on th SE slope of low sand dune, located on a highly eroded stock track.	Hatfield	Undulating sandplains with bluebush	Belah and Bluebush	Sandplain	Extensive undulating plains with bluebush
UD 138	UD BH 6	Artefacts	13		0	Balazs Hansel	13/12/2014	Small art scatter located on the lower easterly slope of a N-S dune. Art were found around a heavily eroded and incised into the residual soil around the track.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
UD 139	UD BH 12	Artefacts	6		0	Balazs Hansel	20/12/2014	Large, low density scatter inside a scald.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
UD 14	GWRB Area 2 - 1	Isolated Artefact	1		0	Balazs Hansel	9/10/2014		Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the
							10/10/1001					·	Riverine Plain.
UD 140	UD BH 12	Artefacts			0	Balazs Hansel	19/12/2014		Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the Riverine Plain.
UD 141	UD BH 11	Isolated Artefact	1		0	Balazs Hansel	19/12/2014	IF located on E slope of sand dune.	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the Riverine Plain.
UD 142	Walk between	Isolated	1		0	Balazs	19/12/2014	IF located onE slope.	Rata	Riverine plain with	Saltbush Plains	Alluvial	Extensive saltbush plain with
UD 143	transects UD BH 12	Artefact Isolated	1		0	Hansel Balazs	19/12/2014	IF located on flat land on exposed area.	Rata	saltbush and bluebush Riverine plain with	Saltbush Plains	plains Alluvial	small subcircular depressions.  Extensive saltbush plain with
UD 144	UD BH 11	Artefact Isolated	3		0	Hansel Balazs	10/12/2014	IF located on flat deflated land.	Rata	saltbush and bluebush Riverine plain with	Saltbush Plains	plains Alluvial	small subcircular depressions.
OD 144	OD BH 11	Artefact	3		U	Hansel	19/12/2014	ir located off flat deflated land.	Kala	saltbush and bluebush	Saltbush Plains	plains	Extensive saltbush plain with small subcircular depressions.
UD 145	UD BH 12	Artefacts	67		0	Balazs Hansel	19/12/2014	Large, low density scatter situated around a pronounced depression.	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the Riverine Plain.
UD 15	GWRB Area 2 - 2	Isolated Artefact	1	Hearth	1	Clare Anderson	9/10/2014		Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the
UD 16	GWRB Area 2 - 2	Artefacts and Hearth	31	Hearth	3	Clare Anderson	9/10/2014	Site contains multiple potential, partially exposed and scattered burnt heat retainers and artefacts located on the slopes and crest of remnant or eroding parabolic dune or slope of a calcrete/sandy ridge. A site recording form for this site is yet to be located.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Riverine Plain.  Extensive saltbush plain with small subcircular depressions.
UD 17 / UD 18	GWRB Area 2 - 3	Artefacts and Hearth	28	Hearth	1	Clare Anderson	9/10/2014	UD 17 / UD 18 comprises 28 stone artefacts and a scattered hearth located on the slope and crest of a calcareous rise which slopes into a drainage line 120m west of the site. There is a remnant and eroding sand hill located 400 m to the west with a high density of artefacts and UD 16, an artefact scatter of 31 stone artefacts is located 150 m to the north on the same dune slope and crest. It is highly likely that further artefacts are present between UD 16 and UD 17/18 which were not identified due to the sampling strategy and it is likely that these two sites represent one continuous arrtefact scatter within the dune slope and crest landform. It is also highly likely that artefacts will increase with density with proximity to the sandhill.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
UD 19	GWRB Area 2 - 3	Artefacts	2		0	Clare Anderson	9/10/2014		Marma	Scalded plains	Saltbush Plains	Alluvial plains	III-defined scalded drainage tracts associated with the
UD 2	WBAC 60 Option 1	Artefacts	3		0	Clare Anderson	12/03/2014	An artefact scatter located on dune and break of slope overlooking plains. Approximately 20 artefacts were observed on the road. Visibility of artefacts on road indicate subsurface deposit and high likelihood of further artefacts being present both on the road and off the road in the surrounding dunes. Artefacts observed include cores and flakes. Soaks present nearby. Further investigation and recording required to determine the extent of the site.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Riverine Plain.  Extensive saltbush plain with small subcircular depressions.
UD 20	GWRB Area 2 - 3	Artefacts	3		0	Nicolas Grguric	9/10/2014		Marma	Scalded plains	Saltbush Plains	Alluvial plains	III-defined scalded drainage tracts associated with the
UD 21	GWRB Area 2 - 3	Isolated Artefact	1		0	Balazs Hansel	9/10/2014		Marma	Scalded plains	Saltbush Plains	Alluvial plains	Riverine Plain.  Ill-defined scalded drainage tracts associated with the
UD 22	GWRB Area 2 - 4	Artefacts	3		0	Nicolas	10/10/2014	Artefacts occur in pans and scoured drainage channels.	Rata	Riverine plain with	Saltbush Plains	Alluvial	Riverine Plain.  Extensive saltbush plain with
						Grguric	, .,	• • • • • • • • • • • • • • • • • • • •		saltbush and bluebush		plains	small subcircular depressions.

Site Name	Transect ID	Site Features	Artefact Count	Other Site Feature	Other Feature Count	Recorder	Date	Site Description	Land system	Range Type	Major Range	Physography	Summary
UD 23	GWRB Area 2 - 4	Artefacts	7	reature	0		10/10/2014	The site is located in a scald on a gentle sloping dune/calcareous gravel riseadjacent a drainage line	Rata	Riverine plain with	Saltbush Plains	Alluvial	Extensive saltbush plain with
UD 24	GWRB Area 2 - 4	Artefacts	8		0	Anderson Clare	10/10/2014	There is a low density artefact scatter along an exposed access track inon Upson Downs	Rata	saltbush and bluebush Riverine plain with	Saltbush Plains	plains Alluvial	small subcircular depressions.  Extensive saltbush plain with
UD 25	GWRB Area 2 - 4	Artefacts	18		0	Anderson Nicolas	10/10/2014		Rata	saltbush and bluebush Riverine plain with	Saltbush Plains	plains Alluvial	small subcircular depressions.  Extensive saltbush plain with
					0	Grguric		Add for house widths in a real d		saltbush and bluebush		plains	small subcircular depressions.
UD 26	GWRB Area 2 - 4	Artefacts	9		0	Anderson	10/10/2014	Artefacts were visible in a scald.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
UD 27	GWRB Area 2 - 4	Artefacts	300		0	Clare Anderson	10/10/2014	UD 27 is a large moderate density site located on the break of slope and slopes of a sand hill adjacent alluvial drainage channels.  Only a small 130 m by 30 m area was sampled due to time constraints but is highly likely that further unrecorded artefacts are present in the unsampled area and beyond the assessed boundaries of the site.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
UD 28	GWRB Area 3 - 1	Artefacts	7		0	Clare Anderson	11/10/2014	Site located on an dune crest in the erosional scalds and natural bare soil overlooking an alluvial drainage channel of Box Creek.  Further artefacts are likely to be present in residuals. There is core which may suggest a possibLe knapping event but due to postdepositional events the site is no longer intact	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the Riverine Plain.
UD 29	GWRB Area 3 - 1	Artefacts	2		0	Georgia Roberts	11/10/2014	Approximately 50m from another artefact scatter. Whole dune likely to be a low density scatter.	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the Riverine Plain.
UD 3	WBAC 60 Option 2	Isolated Artefact	1		0	Clare Anderson	12/03/2014	Single isolated artefact located on bleached soil adjacent a dam. Artefact is most likely not in situ as a result of the movement of soil from dam construction. 1 single silcrete distal flake (22 mm x 15 mm x 7 mm).	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
UD 30	GWRB Area 3 - 1	Artefacts	2		0	Clare Anderson	11/10/2014	Artefacts are visible in a scald	Marma	Scalded plains	Saltbush Plains	Alluvial plains	III-defined scalded drainage tracts associated with the Riverine Plain.
UD 31	GWRB Area 3 - 1	Isolated Artefact	1		0	Nicolas Grguric	11/10/2014	This site is a single isolated stone artefact	Marma	Scalded plains	Saltbush Plains	Alluvial plains	III-defined scalded drainage tracts associated with the
UD 32	GWRB Area 3 - 1	Artefacts	4		0	Clare Anderson	11/10/2014		Marma	Scalded plains	Saltbush Plains	Alluvial plains	Riverine Plain.  Ill-defined scalded drainage tracts associated with the Riverine Plain.
UD 33	GWRB Area 3 - 1	Isolated Artefact	1		0	Nicolas Grguric	11/10/2014	This site is a single isolated stone artefact	Marma	Scalded plains	Saltbush Plains	Alluvial plains	III-defined scalded drainage tracts associated with the
UD 34	GWRB Area 3 - 1	Isolated Artefact	1		0	Nicolas Grguric	11/10/2014	This site is a single isolated stone artefact	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Riverine Plain.  Ill-defined scalded drainage tracts associated with the
UD 35	GWRB Area 3 - 1	Artefacts	2		0	Clare Anderson	11/10/2014	This site is a low density artefact scatter located on the slopes of a lunette.	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Riverine Plain.  III-defined scalded drainage tracts associated with the Riverine Plain.
UD 36	GWRB Area 3 - 1	Artefacts	5		0	Nicolas Grguric	11/10/2014		Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the Riverine Plain.
UD 37	GWRB Area 3 - 1	Isolated Artefact	1		0	Clare Anderson	11/10/2014	Silcrete prox flake 25 x 23 x12	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the Riverine Plain.
UD 38	GWRB Area 3 - 1	Isolated Artefact	1		0	Nicolas Grguric	11/10/2014	This site is a single isolated stone artefact	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the Riverine Plain.
UD 39	GWRB Area 3 - 1	Isolated Artefact	1		0	Clare Anderson	11/10/2014	This site is a single isolated stone artefact	Marma	Scalded plains	Saltbush Plains	Alluvial plains	III-defined scalded drainage tracts associated with the Riverine Plain.
UD 4	Opening gate	Isolated Artefact	1		0	Clare Anderson	12/03/2014	Single isolated complete silcrete flake (maximum dimension 40mm) located in the exposure created from vehicle and animal movement near paddock gate, noticed when opening gate Requires additional survey to determine whether further artefacts are present.	Hatfield	Undulating sandplains with bluebush	Belah and Bluebush	Sandplain	Extensive undulating plains with bluebush
UD 40	GWRB Area 3 - 1	Isolated Artefact	1		0	Georgia Roberts	11/10/2014	This site is a single isolated stone artefact	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the
UD 41	GWRB Area 3 - 1	Isolated Artefact	1		0	Clare Anderson	11/10/2014	This site is a single isolated stone artefact	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Riverine Plain.  Ill-defined scalded drainage tracts associated with the Riverine Plain.
UD 42	GWRB Area 3 - 2	Artefacts	3		0	Nicolas Grguric	11/10/2014	This site is located in a scald	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the Riverine Plain.
UD 43	GWRB Area 3 - 2	Artefacts	2		0	Clare Anderson	11/10/2014	Site located in a scald	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the
UD 44	GWRB Area 3 - 2	Isolated Artefact	1		0	Balazs Hansel	11/10/2014	Silcrete complete flake, indeterminate, step, 12, 8, 3	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Riverine Plain.  Ill-defined scalded drainage tracts associated with the
UD 45	GWRB Area 3 - 2	Isolated Artefact	1		0	Nicolas Grguric	11/10/2014	The site was recorded at the base of a scoured drainage channel	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Riverine Plain.  Ill-defined scalded drainage tracts associated with the Riverine Plain.

Site Name	Transect ID	Site Features	Artefact Count	Other Site Feature	Other Feature Count	Recorder	Date	Site Description	Land system	Range Type	Major Range	Physography	Summary
UD 46 / UD 48 / UD 49	GWRB Area 3 - 2	Artefacts	10		0	Clare Anderson	11/10/2014	UD 46 / UD 48 / UD 49 is a low dnesity artefact scatter of ten stone artefacts eroding downslope of a lunette crest. It consists of three locations UD 46 (2 artefacts, UD 48 (7 artefacts, E 713444 N 6205510) and UD 49 (1 artefact, E 713422 N 6205541). It is highly likely that further surface and subsurface artefacts are present in residual soils in the lunette.	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the Riverine Plain.
UD 47	GWRB Area 3 - 2	Isolated Artefact	1		0	Clare Anderson	11/10/2014	This site include a core located on the slopes of a lunette, just below a track which runs along the crest of the lunette	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the
UD 5 / UD 8 / UD 7.1	GWRB Area 2 - 1	Artefacts	15		0	Georgia Roberts	8/10/2014	UD 5 / UD 8 / UD 7.1 is an artefact scatter containing 15 stone artefacts with three focale points (UD 5 (E 717528 N6202029, 12 artefacts), UD 7.1 (E 717506 N 6201972, 2 artefact), UD 8 (E 717478 N 6202016, 1 artefact).	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Riverine Plain.  Extensive saltbush plain with small subcircular depressions.
UD 50	GWRB Area 3 - 2	Artefacts	2		0	Clare Anderson	11/10/2014	One red weathered silcrete core with a ground platform and bipolar flaking, 2 negative flake scars with the longest flake scar 30mm. 40 mm x 30 mm x 25 mm	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the Riverine Plain.
UD 51	GWRB Area 3 - 2	Artefacts	76		0	Clare Anderson	11/10/2014	Low density artefact scatter at the crest of a lunette between a drainage line and a minor lake basin. The site consists of artefacts eroding from residual soils and artfeacts visible ons calds. A potential hearth was identified at the site though it was not clear whether this was of Aboriginal cultural origin or was the result of vegetation clearance during the apstroal grazing phase of the property. There is high potential for further Aboriginal objects to be present in the surrounding landform.	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the Riverine Plain.
UD 52	GWRB Area 3 - 2	Artefacts	4		0	Balazs Hansel	11/10/2014		Marma	Scalded plains	Saltbush Plains	Alluvial plains	III-defined scalded drainage tracts associated with the Riverine Plain.
UD 53	GWRB Area 3 - 2	Artefacts	2		0	Nicolas Grguric	11/10/2014		Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the Riverine Plain.
UD 54	GWRB Area 3 - 2	Isolated Artefact	1		0	Balazs Hansel	11/10/2014	This site is a single isolated stone artefact	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the
UD 55	GWRB Area 3 - 2	Artefacts	127		0	Georgia Roberts	11/10/2014	Site includes a muller fragment (GR Additional Notes)	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Riverine Plain.  Ill-defined scalded drainage tracts associated with the Riverine Plain.
UD 6	GWRB Area 2 - 1	Isolated Artefact	1		0	Clare Anderson	8/10/2014	This site is a single isolated stone artefact	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
UD 60	GWRB Area 3 - 3	Isolated Artefact	1		0	Clare Anderson	13/10/2014	This site is a single isolated stone artefact	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the
UD 61	GWRB Area 3 - 3	Isolated Artefact	1			Clare Anderson	13/10/2014	This site is a single isolated stone artefact	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Riverine Plain.  Ill-defined scalded drainage tracts associated with the Riverine Plain.
UD 62 / UD 64 / UD 65 / UD 70 / UD 75	GWRB Area 3 - 3	Artefacts and Hearth	860	Hearth	1	Balazs Hansel	13/10/2014	UD 62 / UD 64 / UD 65 / UD 70 / UD 75 is a large low to moderate density artefact scatter with hearths and Potential Archaeological Deposit located on the eroded and vegetated slopes of the western shoreline of a relict lake basin. The relict basin is approximately 3.3km in length and 2 km in width. Therte is a small channel which feeds from a billabong into a dam to the south of the site. The sampling strategy for the site was to record 300 artefacts within a 100 m transect at both the northern (Sample Area UD 62, UD 64, UD 65) and southern edge (Sample Areas UD 70, UD 75) of the proposed disturbance footprint. A count was then made of the remaining flagged artefacts within the transect. In total 600 stone artefacts were recorded and an additional 280 artefacts were counted. Artefact densities ranged from less tha 0 artefacts per m2 to 5 artefacts per m2. Western end of recorded site contained a higher proportion of retouched flakes and specific tool types with burden adds, core tools etc. the re seems to have been. Production of burrens appears to have occured in this area as a number of slightly convex flakes without retouch were noted in addition to complete burrens. Two hearths were identified, one of which offered excellent dating potential and urgent management due to its increasing exposure and the presence of burnt bone and artefacts. The second hearth was disturbed but was a reasonable candidate for testing due to the presence of burnt emu shell. It is highly likely that further unrecorded artefacts are present within the site boundary, beyond the sampled area and also beyond the boundaries of the recorded site. Artefacts were present eroding from residual soils and also visible on the stabilised dune and residuals soils on the western margin of the site. The vegetated areas offer good opportunity to test for Potential Archaeological Deposits.	Marma	Scalded plains	Saltbush Plains	Alluvial plains	III-defined scalded drainage tracts associated with the Riverine Plain.
UD 63	GWRB Area 3 - 3	Isolated Artefact	1		0	Clare Anderson	13/10/2014	Exhausted silcrete core located in a n extensive scald or pan neAr a vehicle track niche leads to. Tnk. Core is rotated andmultiplatform. Yet still has cortex on one face 25 x 23 x 20. Lfs10' 5 ns	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the
UD 66	GWRB Area 3 - 3	Artefacts	4		0	Georgia Roberts	13/10/2014		Gulthul	Sandplains and dunefields with mallee	Mallee	Sandplain	Riverine Plain.  Extensive plain between the Darling and Murrumbidgee Rivers.
UD 67	GWRB Area 3 - 5	Isolated Artefact	1	PAD	0	Clare Anderson	13/10/2014	Highly weathered silcrete, diagnostic features no longer visible but appears to have scarring in dorsal surfce. The site has been disturbed by rabbit burrowing.	Gulthul	Sandplains and dunefields with mallee	Mallee	Sandplain	Extensive plain between the Darling and Murrumbidgee Rivers.
UD 68	GWRB Area 3 - 5	Artefacts	3		0	Nicolas Grguric	13/10/2014		Gulthul	Sandplains and dunefields with mallee	Mallee	Sandplain	Extensive plain between the Darling and Murrumbidgee Rivers.
UD 69	GWRB Area 3 - 5	Isolated Artefact	1		0	Georgia Roberts	13/10/2014	This site is a single isolated stone artefact	Gulthul	Sandplains and dunefields with mallee	Mallee	Sandplain	Extensive plain between the Darling and Murrumbidgee Rivers.
UD 7	GWRB Area 2 - 1	Artefacts	4		0	Clare Anderson	8/10/2014		Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
UD 71	GWRB Area 3 - 4	Isolated Artefact	1		0		13/10/2014	This site is a single isolated stone artefact	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the Riverine Plain.

Site Name	Transect ID	Site Features	Artefact Count	Other Site	Other Feature	Recorder	Date	Site Description	Land system	Range Type	Major Range	Physography	Summary
Name	ID ID	reatures	Count	Feature	Count					Туре	Range		
UD 72	GWRB Area 3 - 4	Artefacts	2		0	Balazs Hansel	13/10/2014		Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the Riverine Plain.
UD 73	GWRB Area 3 - 4	Artefacts and Hearth	244	Hearth	1	Nicolas Grguric	13/10/2014	Artefacts occur on a series of scalds and eroded exposures.	Marma	Scalded plains	Saltbush Plains	Alluvial plains	III-defined scalded drainage tracts associated with the Riverine Plain.
UD 74	GWRB Area 3 - 5	Isolated Artefact	1		0	Clare Anderson	14/10/2014	Silcrete angulr frgment	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the Riverine Plain.
UD 76	GWRB Area 3 - 6	Artefacts	2		0	Clare Anderson	14/10/2014		Marma	Scalded plains	Saltbush Plains	Alluvial plains	III-defined scalded drainage tracts associated with the Riverine Plain.
UD 77	GWRB Area 3 - 6	Artefacts	461		0	Clare Anderson	14/10/2014	The site is a large artefact scatter located within a lake basin. A large multiplatform core, located E 712013 N6205488, measuring 150x 80x 75 is located Silcrete mpc, grey with orange cortex. 15 complete scars. Longest scar 87mm. Possibly transported long distance from source as a ready source of raw material. Likely in situ owing to its mass, though was 75% buried when found. This core appears to be the origin of the bulk of the artefacts located within the site. There are a high number of backed geometric microliths and microlith blanks suggesting this was a specific knapping event for the production of backed blades. Artefact count (120 15 48 98 x 5 80 100)	Marma	Scalded plains	Saltbush Plains	Alluvial plains	III-defined scalded drainage tracts associated with the Riverine Plain.
UD 78	GWRB Area 3 - 7	Isolated Artefact	1		0	Clare Anderson	14/10/2014	Same material and production and 77" silcrete geometric microlith 20 x 15 x7	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the Riverine Plain.
UD 79	GWRB Area 3 - 7	Isolated Artefact	1		0	Nicolas Grguric	14/10/2014	This site is a single isolated stone artefact	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the Riverine Plain.
UD 80	GWRB Area 3 - 7	Isolated Artefact	1		0	Clare Anderson	14/10/2014	This site is a single isolated stone artefact	Marma	Scalded plains	Saltbush Plains	Alluvial plains	III-defined scalded drainage tracts associated with the Riverine Plain.
UD 88	GWRB Area 4 - 1	Isolated Artefact	1		0	Clare Anderson	15/10/2014	This site is a single isolated stone artefact	Hatfield	Undulating sandplains with bluebush	Belah and Bluebush	Sandplain	Extensive undulating plains with bluebush
UD 89	GWRB Area 4 - 1	Isolated Artefact	1		0	Clare Anderson	15/10/2014		Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
UD 9	GWRB Area 2 - 1	Isolated Artefact	1		0	Nicolas Grguric	9/10/2014	This site is a single isolated stone artefact	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
UD 90	GWRB Area 4 - 2	Isolated	1		0		15/10/2014	This site is a single isolated stone artefact	Rata	Riverine plain with	Saltbush Plains	Alluvial	Extensive saltbush plain with
UD 91	GWRB Area 4 - 2	Artefact Artefacts	2		0	Anderson Clare Anderson	15/10/2014		Rata	saltbush and bluebush Riverine plain with saltbush and bluebush	Saltbush Plains	plains Alluvial plains	small subcircular depressions.  Extensive saltbush plain with small subcircular depressions.
UD 92 / UD 93 / UD 100 / UD 101 / UD 102	GWRB Area 4 - 3	Artefacts and Hearth	153	Hearth	4	Clare Anderson	16/10/2014	UD 92 / UD 93 / UD 100 / UD 101 / UD 102 is an artefact scatter with four hearths located across the base, slopes, crest and blow outs on a series of dunes and sand hills in an alluvial plain on the Upson Downs property. Five sample areas were recorded in the project within a roughly 100 m wide transect. 153 stone artefacts and four hearths were recorded within the sample areas and the artefacts were observed to extend beyond the sampled area and beyond the project area. There is a higher ratio of grinding pieces and fragments when compared with other sites recorded in the project area, suggesting that specific activities occured within the site.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
UD 94	GWRB Area 4 - 3	Isolated Artefact	1		0	Clare Anderson	16/10/2014	Single Isolatesilcrete flake with a flake, longitudinal split platform an a hinge termination,m23 x 23 x5	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
UD 95	GWRB Area 4 - 3	Artefacts	4		0	Georgia Roberts	16/10/2014		Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
UD 96	GWRB Area 4 - 3	Hearth	0	Hearth	2	Nicolas Grguric	16/10/2014	Approx 30 heat ret visible. Mostly buried but quite discrete and moderate excavation potential. No artefacts seen in immed vicinity	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
UD 97	GWRB Area 4 - 3	Hearth	0	Hearth	1	Nicolas Grguric	16/10/2014	On edge of a washed out depression possible soak. Large and mainly intact with several heat retainers eroded out and down towards depression. No artefacts seen in immed vicinity. Approx 30 vis heat retainers.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
UD 98	GWRB Area 4 - 3	Isolated Artefact	1		0	Clare Anderson	16/10/2014	Burnt heat retainers, possible hearth material or just decayed, hardened remnant box trees nearby. Site is an Isolatesilcrete bipolar flake with rushed platform and termination 30 x 35 x 4.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
UD 99	GWRB Area 4 - 3	Isolated Artefact	1		0	Nicolas Grguric	16/10/2014	This site is a single isolated stone artefact	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.

Site Name	Transect ID	Site Features	Artefact Count	Other Site Feature	Other Feature Count	Recorder	Date	Site Description	Land system	Range Type	Major Range	Physography	Summary
UD81 / UD82 / UD83 / UD84 / UD85 / UD86 / UD87	GWRB Area 4 - 1	Artefacts and Hearth	122	Hearth	3	Clare Anderson	15/10/2014	UD 81 / UD 82 / UD 83 / UD 84 / UD 85 / UD 86 / UD 87 is a low to moderate density artefact scatter with three hearths located at the base and within a sandhill located in an alluvial plain. Artefacts are visible at the base of the sandhill, exposed in dune blow-out on the slopes and crest of the sandhill. Three hearths are located at the base of the sandhill near a stand of box trees. Another area of hardened sediment with a small patch (20 cm x 20 cm) off ashy sediment was located at the eastern end of the sandhill. Seven sample locations were recorded within the site, broadly defined by transitions in the landform and artefact clustering. UD 81 (E 715650 N6208103, 17 artefacts, 3 hearths) was located at the western base in a wash exposure by a stand of box trees. UD 82 (E715764 N6208116, 17 artefacts) comprised the slopes of the sandhill. UD 83 (E 715856 N 6208097) comprised 20 stone artefacts in a blow out at the crest of the sandhill. UD 84 (E 715 917 N 6208151, 2 artefacts), UD 86 (E 715898) N 6208173, 3 artefacts), UD 87 (E715893 N6208115, 1 artefact) are located slightly downslope of UD 83 in blowout and wash exposures. UD 85 (63 artefacts) is located east of UD 84, UD 86 and UD 87 and comprises a series of gullies, wash and blow out exposures across the sandhill. At GPS point 899 hardened sediment and burnt bone fragments of less than 1 cm in size were observed. There were also a few burnt heat retainers scattered but not enough to identify a hearth. This location was in a wash and intact sediment around it may warrant further investigation. In some parts of the sample area calcareous bedrock was visible. Artefact densities range from less than 1 artefact per m2 to 4 artefacts per m2. A range of raw material was used for stone artefacts at the site including rhyolite. Adzes and two white silcrete/fine grained quartzite square scrapers/adzes were observed in the site, one at E716105 N6208176. A It is highly likely that further unrecorded surface and subsurface artefacts are present both within the sampl	Hatfield	Undulating sandplains with bluebush	Belah and Bluebush	Sandplain	Extensive undulating plains with bluebush
W 1	Walking between	Isolated	1		0	Clair Davey	18/12/2014	An isolated stone artefacts by a fenceline.	Rata	Riverine plain with	Saltbush Plains	Alluvial	Extensive saltbush plain with
W 10	transects O BH 10 / W BH 10	Artefact Artefacts	2		0	Balazs Hansel	18/12/2014	Scatter of nine art located on stock tracks and eroded patches scattered around a large area.	Marma	saltbush and bluebush Scalded plains	Saltbush Plains	plains Alluvial plains	small subcircular depressions.  Ill-defined scalded drainage tracts associated with the
W 11	O BH 10 / W BH 10	Artefacts	6		0	Balazs Hansel	18/12/2014	Scatter of 6 art dispersed in a large area.	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Riverine Plain.  III-defined scalded drainage tracts associated with the Riverine Plain.
W 12	O BH 10 / W BH 10	Artefacts	26		0	Balazs Hansel	18/12/2014	Low density scatter covering a large area with small patches of artefact. The site is located on the E slope of an extensive sand dune and extends beyond both boundaries. Possibly the site continues twds W and connects wit site WAA2. Art were found on deflated surfaces and stock tracks. Residual soil is remnant around salt/blue bush.	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the Riverine Plain.
W 2	IB 8 - Wintong	Artefacts and Hearth	250	Hearth	5	Sharon Lane	18/12/2014	W2 is a moderate to low density artefact scatter (n=~250) situated on and extending up slope and over a dune. Only the visible portions of the site were recorded; and artefacts are considered to be continuously dispersed throughout the scalds and bare patches of soils in the Rata system. The surrounding dune systems may be PADs. Within the site, 11 hearth features were identified; all containing material suitable for dating. Sufficient densities of artefacts exist at this group of sites to conduct statistical analysis of the stone artefact assemblage	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the Riverine Plain.
W 3	O BH 10 / W BH 10	Artefacts and Hearth	49	Hearth	1	Balazs Hansel	18/12/2014	A large crescent shape scald and a smaller oval shaped just twds S. Fairly large, low density scatter located on flat land, situated around two scald depressions. Artefacts were mostly found inside the scalds and towards W with an even less dense background scatter. The site is extending beyond the boundary twds N.	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the Riverine Plain.
W 4	O BH 10 / W BH 10	Artefacts	2		0	Balazs Hansel	18/12/2014	Small scatter of two art located on a wind deflated area along a stock track. Art located on stock track/wind deflation. Residual souls in patches stabilised by salt and blue bush.	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the Riverine Plain.
W 5	O BH 10 / W BH 10	Artefacts	3		0	Balazs Hansel	18/12/2014	Small scatter of three art located just W of as ale around a wind deflated area.	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the Riverine Plain.
W 6	O BH 10 / W BH 10	Isolated Artefact	1		0	Balazs Hansel	18/12/2014	This site is an isolated silcrete flake located within a sandplain flat. There is no visible temoprary water.	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the Riverine Plain.
W 7	O BH 10 / W BH 10	Isolated Artefact	1		0	Balazs Hansel	18/12/2014	An isolated stone artefact on a sandplain.	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the Riverine Plain.
W 8	O BH 10 / W BH 10	Artefacts			0	Balazs Hansel	18/12/2014		Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the Riverine Plain.
W 9	O BH 10 / W BH 10	Artefacts	9		0	Balazs Hansel	18/12/2014	Low density scatter located in and E of a scald. Eroded exposed are with sparse vegetation on the E end and deflated scald on the W end.	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the Riverine Plain.
WB 1	Tw 1	Artefacts, Hearth, and PAD	125	Hearth	1	Giles Hamm	30/07/2012	The site is an Artefact Scatter located on a large clay pan containing 125 artefacts principally made from silcrete. The site also contains a series of Potential Archaeological Deposits and Hearths. The site is assessed to be in fair to poor condition. The site is assessed to be of moderate archaeological significance.	Marma	Scalded plains	Saltbush Plains	Alluvial plains	III-defined scalded drainage tracts associated with the Riverine Plain.
WB 10	Tw 1	Isolated Artefact	1		0	Giles Hamm	30/07/2012	The site is an Isolated Find located on the edge of a medium sized clay pan. The artefact is a Broken Flake distal made from silcrete. The site is assessed to be in poor condition. The site is assessed to be of low archaeological significance.	Marma	Scalded plains	Saltbush Plains	Alluvial plains	III-defined scalded drainage tracts associated with the Riverine Plain.
WB 100	внм3	Isolated Artefact	1		0	Clare Anderson	26/06/2013	WB 100 was identified during a due diligence assessment WB 100 is an isolated stone artefact - a broken silcrete flake, 10mm maximum dimension.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
WB 101	внмз	Isolated Artefact	1		0	Clare Anderson	26/06/2013	WB 101 was identified during a due diligence assessment WB 101 is an isolated stone artefact - a broken silcrete flake with a maximum dimension 20 mm	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.

Site Name	Transect ID	Site Features	Artefact Count	Other Site Feature	Other Feature Count	Recorder	Date	Site Description	Land system	Range Type	Major Range	Physography	Summary
WB 102	внмз	Artefacts and PAD	7	reature	0	Clare Anderson	26/06/2013	WB 102 is located in a series of exposures on a slight rise in the overall landscape looking towards an open depression with water. Artefacts were observed eroding from residual soils and potential archaeological deposit is present. In addition to the recorded stone artefacts, a flaking debitage was also present.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
WB 105	403 / Gravel Pit No.2	Isolated Artefact	1		0	Clare Anderson	24/10/2013	West Balranald 105 is a silcrete complete flake (36mm x 25mm x 10mm) located in a small exposure roughly east of WB 106. It is possible that further stone artefacts may be present in residual soils in the landscape.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
WB 106								West Balranald 106 (previously known as Karra AS 1) consists of a silcrete complete flake, a silcrete retouched flake and dispersed calcrete heat retainers within a small scald. Residual soils approximately 10-40cm in depth extend approximately 80m east and west and 40m south of the visible artefacts artefacts. It is anticipated that further stone artefacts may be present in these residual soils and in the surrounding landscape.					
WB 107	403 / Gravel Pit	Artefacts	2		0		14/10/2013		Youhl	Riverine plain with	Saltbush Plains	Playas and	Relict lakes adjacent to the
WB 107	No.2 GWRN 1	Artefacts and Hearth	115	Hearth	4	Anderson Clare Anderson	24/10/2013	WB107 is a low to moderate density artefact scatter (n=~115) with 4 deflated hearth features located on a dune overlooking a relict lake and creek system. The frequency of artefacts located near eroding sediments within the pan suggests it is highly probable that further artefacts of moderate density exist within the site boundary. The stone artefact assemblage consists of silcrete, quartz, quartzite, and rhyolite materials with artefact classes including broken grinding stone fragments, retouched flakes, flakes, cores, anvils and hammerstones. Sufficient densities of artefacts exist at this site to conduct statistical analysis of the stone artefact assemblage. Residual soils and rills indicate soil deposits exceeding 40 cm are likely to be PADs.		saltbush and bluebush		Basins	Riverine Plain.
WB 108	GWRN 7	Isolated Artefact	1		0	Clare Anderson	27/10/2013	This site is a single isolated stone artefact	Youhl	Riverine plain with saltbush and bluebush	Saltbush Plains	Playas and Basins	Relict lakes adjacent to the Riverine Plain.
WB 109	GWRN 7	Isolated Artefact	1		0	Clare Anderson	27/10/2013	This site is a single isolated stone artefact	Youhl	Riverine plain with saltbush and bluebush	Saltbush Plains	Playas and Basins	Relict lakes adjacent to the Riverine Plain.
WB 11	Tw 1	Isolated Artefact	1		0	Giles Hamm	30/07/2012	The site is an Isolated Find located in the middle of a large clay pan . The artefact is a Broken Flake distal made from silcrete. The site is assessed to be in poor condition. The site is assessed to be of low archaeological significance.	Marma	Scalded plains	Saltbush Plains	Alluvial plains	III-defined scalded drainage tracts associated with the Riverine Plain.
WB 110	GWRN 9	Isolated	1		0	Clare	27/10/2013	This site is a single isolated stone artefact	Hatfield	Undulating sandplains	Belah and	Sandplain	Extensive undulating plains with
WB 111	KG 8	Artefact Isolated Artefact	1		0	Anderson Phil Roberts and Clare	31/10/2013	This site is a single isolated stone artefact	Rata	with bluebush Riverine plain with saltbush and bluebush	Bluebush Saltbush Plains	Alluvial plains	bluebush  Extensive saltbush plain with small subcircular depressions.
WB 112	Opportunistic walk	Isolated Artefact	1		0	Anderson Phil Roberts and Clare Anderson	31/10/2013	This site is a single isolated stone artefact	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the Riverine Plain.
WB 113	ВНМ3	Artefacts	10		0	Jamie Reeves	0/0/2013		Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
WB 114	внмз	Artefacts	7		0	Jamie Reeves	0/0/2013		Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
WB 115	внм3	Isolated Artefact	1		0	Jamie Reeves	0/0/2013		Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
WB 117	Met (x) 7	Isolated Artefact	1		0	Clare Anderson	12/03/2014	A silcrete complete flake with flaked platform and feather termination (22 mm x 32 mm x 4 mm) located on a bare patch of ground in bluebush plain. The area it was located in was assessed to have high potential for further Aboriginal objects to be present due to the presence of a continuous low density artefact scatter and frequent hearth scatters previously identified (sites West Balranald 42, West Balranald 46 and West Balranald 118).	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
WB 118	Met (x) 7	Isolated Artefact	1		0	Clare Anderson	12/03/2014	A silcrete complete flake with a crushed platform and a feather termination located in a bare patch of soil west of an access track which runs north-south of the primary access track to the Karra homestead from Burke and Wills Road. The area surrounding WB 118 is considered to have high potential for further artefacts to be present due to the proximity of other known sites such a West Balranald 42, West Balranald 46 and West Balranald 117.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
WB 12	Tw 1	Artefacts	2		0	Giles Hamm	30/07/2012	The site is an Artefact Scatter located on the edge of a small clay pan. Site is located 50 m from WB 11. There are 2 artefacts within the scatter. They are made from silcrete. The site is assessed to be in poor condition. The site is assessed to be of low archaeological significance.	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the Riverine Plain.
WB 13	Tw 1	Isolated Artefact	1		0	Giles Hamm	30/07/2012	The site is an Isolated Find located in the middle of a large clay pan . The artefact is a Broken Flake distal made from chert. The site is assessed to be in poor condition. The site is assessed to be of low archaeological significance.	Marma	Scalded plains	Saltbush Plains	Alluvial plains	III-defined scalded drainage tracts associated with the Riverine Plain.

Site Name	Transect ID	Site Features	Artefact Count	Other Other Site Feat Feature Cour	ture	Date	Site Description	Land system	Range Type	Major Range	Physography	Summary
WB 14	Tw 1	Isolated Artefact	1	reature Cour	0 Giles Hamm	30/07/2012	The site is an Isolated Find located in the edge of a residual not far from WB 13 in a large clay pan . The artefact is a Multi-purpose tool made from quartzite used as a grindstone. The site is assessed to be in good condition. The site is assessed to be of low archaeological significance.	Youhi	Riverine plain with saltbush and bluebush	Saltbush Plains	Playas and Basins	Relict lakes adjacent to the Riverine Plain.
WB 15	Tw 1	Isolated Artefact	1		0 Giles Hamm	30/07/2012	The site is an Isolated Find located on a slight ridge not far from WB 16 near a large clay pan . The artefact is a silcrete flake . The site is assessed to be in good condition. The site is assessed to be of low archaeological significance.	Youhl	Riverine plain with saltbush and bluebush	Saltbush Plains	Playas and Basins	Relict lakes adjacent to the Riverine Plain.
WB 16	Tw 1	Artefacts	3		0 Giles Hamm	30/07/2012	The site is an Artefact Scatter located on a slight ridge feature above a wetland. Site is located 50 m north of WB 15. There are 2 artefacts within the scatter. They are made from silcrete. The site is assessed to be in poor condition. The site is assessed to be of low archaeological significance.	Youhi	Riverine plain with saltbush and bluebush	Saltbush Plains	Playas and Basins	Relict lakes adjacent to the Riverine Plain.
WB 17	Tw 1	Artefacts	2		0 Giles Hamm	30/07/2012	The site is an Artefact Scatter located in the middle of a clay pan. Site is located 50 m from WB 16. There are 2 artefacts within the scatter. They are made from silcrete. The site is assessed to be in poor condition. The site is assessed to be of low archaeological significance.	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the Riverine Plain.
WB 18	Tw 2	Isolated Artefact	1		0 Giles Hamm and Amanda Atkinson	2/08/2012	The site is an Isolated Find located in large clay pan eroding from a residual feature. The artefact is a Broken Flake distal made from silcrete. The site is assessed to be in poor condition. The site is assessed to be of low archaeological significance	Marma	Scalded plains	Saltbush Plains	Alluvial plains	III-defined scalded drainage tracts associated with the Riverine Plain.
WB 19	Tw 2	Artefacts and PAD	8		0 Giles Hamm and Amanda Atkinson	2/08/2012	The site is an Artefact Scatter located in the middle of a medium sized clay pan. Site is located in the north-west corner of T2. There are 8 artefacts within the scatter. They are all made from silcrete. There is also a Potential Archaeological Deposit located within the site. The site is assessed to be in poor condition. The site is assessed to be of low archaeological significance.	Youhl	Riverine plain with saltbush and bluebush	Saltbush Plains	Playas and Basins	Relict lakes adjacent to the Riverine Plain.
WB 2	Tw 1	Isolated Artefact	1		0 Giles Hamm	30/07/2012	The site is an Isolated Find located on the edge of a small clay pan. It is located within 50 m of WB 1. The artefact is a Broken Flake Medial made from silcrete. The site is assessed to be in poor condition. The site is assessed to be of low archaeological significance.	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the Riverine Plain.
WB 20	Tw 2	Isolated Artefact	1		0 Giles Hamm and Amanda Atkinson	2/08/2012	The site is an Isolated Find located on the edge of a large clay pan near the corner of T2. The artefact is a Complete Flake made from silcrete. The site is assessed to be in poor condition. The site is assessed to be of low archaeological significance.	Youhl	Riverine plain with saltbush and bluebush	Saltbush Plains	Playas and Basins	Relict lakes adjacent to the Riverine Plain.
WB 21	Tw 2	Isolated Artefact	1		0 Giles Hamm and Amanda Atkinson	2/08/2012	The site is an Isolated Find located on the edge of a large clay pan near the south-western corner of T2. The artefact is a Broken Flake made from silcrete. The site is assessed to be in poor condition. The site is assessed to be of low archaeological significance.	Youhl	Riverine plain with saltbush and bluebush	Saltbush Plains	Playas and Basins	Relict lakes adjacent to the Riverine Plain.
WB 22	Tw 2	Artefacts and PAD	5		0 Giles Hamm and Amanda Atkinson	2/08/2012	The site is an Artefact Scatter and Potential Archaeological Deposit located on the southern edge of a large clay pan. There are 5 artefacts within the scatter. They are all made from silcrete. The site is assessed to be in fair condition. The site is assessed to be of low archaeological significance.	Youhl	Riverine plain with saltbush and bluebush	Saltbush Plains	Playas and Basins	Relict lakes adjacent to the Riverine Plain.
WB 23	Tw 2	Artefacts and PAD	4		0 Giles Hamm and Amanda Atkinson	2/08/2012	The site is located on the south-western end of Transect 2. The site is an Artefact Scatter and Potential Archaeological Deposit located on the edge of a small clay pan. There are 4 artefacts within the scatter. They are all made from silcrete. The site is assessed to be in fair condition. The site is assessed to be of low archaeological significance.	Youhl	Riverine plain with saltbush and bluebush	Saltbush Plains	Playas and Basins	Relict lakes adjacent to the Riverine Plain.
WB 24	Tw 2	Artefacts and PAD	5		0 Giles Hamm and Amanda Atkinson	2/08/2012	The site is located on the south-western end of Transect 2. The site is an Artefact Scatter and Potential Archaeological Deposit located on the edge of a large clay pan. There are 5 artefacts within the scatter. They are all made from chert and silcrete. The site is assessed to be in good condition. The site is assessed to be of low archaeological significance.	Youhi	Riverine plain with saltbush and bluebush	Saltbush Plains	Playas and Basins	Relict lakes adjacent to the Riverine Plain.
WB 25	Tw 2	Isolated Artefact	1		0 Giles Hamm and Amanda Atkinson	2/08/2012	The site is an Isolated Find located on the edge of a large clay pan near the north -western corner of T2. The artefact is a Complete Flake made from silcrete. The site is assessed to be in poor condition. The site is assessed to be of low archaeological significance.	Youhl	Riverine plain with saltbush and bluebush	Saltbush Plains	Playas and Basins	Relict lakes adjacent to the Riverine Plain.

Site Name	Transect ID	Site Features	Artefact Count	Other Site	Other Feature Count	Recorder	Date	Site Description	Land system	Range Type	Major Range	Physography	Summary
WB 26	Tw 2	Isolated Artefact	1	Feature	0	Giles Hamm and Amanda Atkinson	2/08/2012	The site is an Isolated Find located on the edge of a medium sized clay pan near the north -eastern corner of T2. The artefact is a Complete Flake made from silcrete. The site is assessed to be in poor condition. The site is assessed to be of low archaeological significance.	Youhl	Riverine plain with saltbush and bluebush	Saltbush Plains	Playas and Basins	Relict lakes adjacent to the Riverine Plain.
WB 27	Tw 4	Artefacts, Hearth, and PAD	186	Hearth	1	Giles Hamm and Clare Anderson	8/08/2012	The site is located on the south-western end of Transect 2. The site is an Artefact Scatter and Potential Archaeological Deposit located on the edge of a large clay pan. There are eroded hearths within the clay pan. There are also 186 artefacts within the scatter. They are all made principally from silcrete. The site is assessed to be in good condition. The site is assessed to be of high archaeological significance.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
WB 28	Tw 3	Artefacts and PAD	81		0	Giles Hamm	6/08/2012	The site is located within a clay pan as part of Transect 3. The site is an Artefact Scatter and Potential Archaeological Deposit located on the edge and within a large clay pan. There are also 81 artefacts within the scatter. They are all made principally from silcrete. The site is assessed to be in good condition. The site is assessed to be of medium archaeological significance.	Youhl	Riverine plain with saltbush and bluebush	Saltbush Plains	Playas and Basins	Relict lakes adjacent to the Riverine Plain.
WB 29	Tw 5	Artefacts and Hearth	2	Hearth	1	Giles Hamm	9/08/2012	The site is located within a wetland /swamp feature as part of Transect 5. The site is an Artefact Scatter, Hearth, Hearth Scatter and Potential Archaeological Deposit located on the edge of a swamp. There are also 2 artefacts within the scatter. They are all made from silcrete. The site is assessed to be in poor condition. The site is assessed to be of medium archaeological significance. T	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
WB 3	Tw 1	Artefacts, Hearth and PAD	28		0	Giles Hamm	30/07/2012	The site is an Artefact Scatter located on the edge of a small clay pan. It is located within 100 m of WB 1. There are 28 artefacts within the scatter. They are made principally from silcrete. The site is assessed to be in poor condition. The site is assessed to be of medium archaeological significance.	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the Riverine Plain.
WB 30	Tw 5	Isolated Artefact and Hearth	1	Hearth	1	Giles Hamm	9/08/2012	The site is an Isolated Find located on the edge of a swamp feature near the north -western corner of T5. The artefact is a Flaked Piece made from silcrete. The site is assessed to be in poor condition. The site is assessed to be of low archaeological significance.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
WB 31	Tw 5	Isolated Artefact	1		0	Giles Hamm	9/08/2012	The site is an Isolated Find located on the edge of an access track which runs from the road to Karra and a large pan adjacent an open depression with water. The artefact is a Flaked tool with focal platform step termination, 50% retouch L 30 W 35 T 8. The site is assessed to be in poor condition. The site is assessed to be of low archaeological significance.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
WB 32	Tw 5	Isolated Artefact, Hearth, and PAD	1	Hearth	2	Giles Hamm	9/08/2012	The site is located near a swamp /wetland feature as part of Transect 5. The site is an Hearth Scatter and Potential Archaeological Deposit located near a swamp feature. There are also a single artefact within the hearth scatter. The site is assessed to be in poor condition. The site is assessed to be of medium archaeological significance.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
WB 33	Tw 5	Hearth and PAD	0	Hearth	1	Giles Hamm	9/08/2012	The site is located near a swamp /wetland feature as part of Transect 5. The site is an Hearth Scatter and Potential Archaeological Deposit located near a swamp feature. The site is assessed to be in poor condition. The site is assessed to be of medium archaeological significance.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
WB 34	Tw 5	Hearth	0	Hearth	1	Giles Hamm	9/08/2012	The site is located near a swamp /wetland feature as part of Transect 5. The site is an Hearth Scatter and Potential Archaeological Deposit located in a clay pan . The site is assessed to be in poor condition. The site is assessed to be of low archaeological significance.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
WB 35	Tw 5	Hearth and PAD	0	Hearth	1	Giles Hamm	9/08/2012	The site is located near a swamp /wetland feature as part of Transect 5. The site is a series of Hearth Scatters (termite nest material) and Potential Archaeological Deposit located near a swamp margin. The site is assessed to be in fair condition. The site is assessed to be of medium archaeological significance.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
WB 36	Tw 5	Hearth	0	Hearth	1	Giles Hamm	9/08/2012	The site is located near a swamp /wetland feature as part of Transect 5. The site is an in situ hearth (termite nest material) and Potential Archaeological Deposit located near a swamp margin. The site is assessed to be in fair condition. The site is assessed to be of low archaeological significance.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
WB 37	Tw 5	Artefacts and Hearth	2	Hearth	1	Giles Hamm	9/08/2012	The site is located near a swamp /wetland feature as part of Transect 5. The site is an Artefact Scatter and Hearth Scatter (termite nest material) and Potential Archaeological Deposit located near a swamp margin. There are two artefacts both made from silcrete. The site is assessed to be in poor condition. The site is assessed to be of low archaeological significance.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.

Tw 5	Hearth and PAD	0	<b>Feature</b> Hearth	Count 1	Giles Hamm	0/00/2012						
Tw 5						9/08/2012	The site is located near a swamp /wetland feature as part of Transect 5. The site is a Hearth Scatter (termite nest material) and Potential Archaeological Deposit located near a swamp margin. The site is assessed to be in poor condition. The site is assessed to be of low archaeological significance.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
	Artefacts	2		0	Giles Hamm	9/08/2012	The site is located near a swamp /wetland feature as part of Transect 5. The site is an Artefact Scatter near a swamp margin. Two silcrete artefacts have been recorded. The site is assessed to be in poor condition. The site is assessed to be of low archaeological significance.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
Tw 1	Isolated Artefact	1		0	Giles Hamm	30/07/2012	The site is an Isolated Find located on the edge of a large clay pan. The artefact is a Broken Flake Proximal made from silcrete. The site is assessed to be in poor condition. The site is assessed to be of low archaeological significance.	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the Riverine Plain.
Tw 6	Artefacts, Hearth, Scarred Tree and PAD	1030	Hearth	13	Giles Hamm and Liz Foley	23/08/2012	The site is a large based campsite/nodal occupation site and is part of Transects 6,13,& 20. The site is an Artefact Scatter, Hearth Scatter, Potential Archaeological Deposit, Scarred Tree and Hearths ( termite nest and calcrete: 15 in all). The site has a total of 1030 artefacts ( but this is likely to be grossly underestimated). The site is located on the western margin of Muckee Lake between a series of clay pans and a swamp margin. The site is assessed to be in fair condition. The site is assessed to be of high archaeological significance.	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the Riverine Plain.
Tw 12	Artefacts, Hearth and PAD	187	Hearth	1	Giles Hamm	10/08/2012	The site is a large occupation site and is part of Transect 12. The site is an Artefact Scatter, Hearth Scatter, Potential Archaeological Deposit, and Hearths (termite nest and calcrete: ). The site has 57 artefacts. The site is located on a large clay pan near the western margin of Muckee Lake between a series of clay pans and a swamp margin. The site is assessed to be in fair condition. The site is assessed to be of medium archaeological significance.	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the Riverine Plain.
Tw 9	Artefacts, Hearth, and PAD	117	Hearth	4	Giles Hamm and Liz Foley	12/09/2012	The site is a large occupation site and is part of Transect 7 & 9. The site is an Artefact Scatter, Hearth Scatter, Potential Archaeological Deposit, and Hearths (termite nest and calcrete). The site has 117 artefacts. The site is located on a elevated terrace above a swamp features. The site is assessed to be in fair condition. The site is assessed to be of high archaeological significance.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
Tw 14	Artefacts, Hearth and PAD	121	Hearth	1	Giles Hann and Liz Foley	13/09/2012	The site is a large occupation site and is part of Transect 14. The site is an Artefact Scatter, Hearth Scatter, Potential Archaeological Deposit. The site is located on a large clay pan. It contains 121 artefacts. The site is assessed to be in fair condition. The site is assessed to be of medium archaeological significance.	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the Riverine Plain.
Tw 11	Artefacts, Hearth and PAD	41	Hearth	1	Giles Hamm and Shaun Adams	9/08/2012	The site is a large occupation site and is part of Transect 11. The site is an Artefact Scatter, Hearth Scatter, Potential Archaeological Deposit. The site is located on a large clay pan. It contains 41 artefacts. The site is assessed to be in fair condition. The site is assessed to be of medium archaeological significance.	Youhl	Riverine plain with saltbush and bluebush	Saltbush Plains	Playas and Basins	Relict lakes adjacent to the Riverine Plain.
Tw 10	Artefacts, Hearth and PAD	83	Hearth	1	Giles Hamm and Amanda Atkinson	8/08/2012	The site is a large occupation site and is part of Transect 10. The site is an Artefact Scatter, Hearth Scatter, Potential Archaeological Deposit. The site is located on a large clay pan. It contains 83 artefacts. The site is assessed to be in fair condition. The site is assessed to be of medium archaeological significance.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
Tw 16	Artefacts, Hearth, and PAD	4	Hearth	3	Giles Hamm and Shaun Adams	17/09/2012	The site is a open occupation site connected to WB 42 and is part of Transect 16. The site contains 3 in situ Hearths, Hearth Scatter, Artefact Scatter Potential Archaeological Deposit. The site is located on the margins of a swamp. It contains 4 artefacts. The site is assessed to be in fair condition. The site is assessed to be of high archaeological significance. Hearth 1 722889 6190630, Hearth 2 722870 6190589, Hearth 3 722864 6190586	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
Tw 18	Artefacts and PAD	6		0	Giles Hamm and Amanda Atkinson	25/09/2012	The site is a small Artefact Scatter located within Mallee dune field . The site contains 6 artefacts all made from silcrete. The site is located on the margins of a vehicle track. The site is assessed to be in poor condition. The site is assessed to be of medium archaeological significance. T	Condoulpe	Sandplains and dunefields with mallee	Mallee	Sandplain	Sandplain between dunefields and the Riverine Plain near Balranald
Tw 16	Isolated Artefact	1		0	Giles Hamm and Shaun Adams	17/09/2012	The site is an Isolated Find located on the edge of a swamp feature within Transect T 16. The artefact is a Flaked Piece made from silcrete. The site is assessed to be in poor condition. The site is assessed to be of low archaeological significance.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
Tw 18	Hearth, and PAD  Artefacts and PAD  Isolated		6	6	6 0	and Shaun Adams  6	and Shaun Adams  6  0 Giles Hamm and Amanda Atkinson  1  0 Giles Hamm and Shaun 17/09/2012 and Shaun	and Shaun Adams  Scatter, Artefact Scatter Potential Archaeological Deposit. The site is located on the margins of a swamp. It contains 4 artefacts. The site is assessed to be in fair condition. The site is assessed to be of high archaeological significance. Hearth 1 722889 6190630, Hearth 2 722870 6190589, Hearth 3 722864 6190586  Giles Hamm and Amanda Atkinson  The site is a small Artefact Scatter located within Mallee dune field. The site contains 6 artefacts all made from silcrete. The site is located on the margins of a vehicle track. The site is assessed to be in poor condition. The site is assessed to be of medium archaeological significance. T  Giles Hamm and Shaun  17/09/2012  The site is an Isolated Find located on the edge of a swamp feature within Transect T 16. The artefact is a Flaked Piece made from silcrete. The site is assessed to be in poor condition. The site is assessed to be of low archaeological significance.	and Shaun Adams  Scatter, Artefact Scatter Potential Archaeological Deposit. The site is located on the margins of a swamp. It contains 4 artefacts. The site is assessed to be in fair condition. The site is assessed to be of high archaeological significance. Hearth 1 722889 6190630, Hearth 2 722870 6190589, Hearth 3 722864 6190586  OGIILES Hamm and Amanda Atkinson  The site is a small Artefact Scatter located within Mallee dune field. The site contains 6 artefacts all made from silcrete. The site is located on the margins of a vehicle track. The site is assessed to be in poor condition. The site is assessed to be of medium archaeological significance. T  OGIILES Hamm and Shaun  The site is an Isolated Find located on the edge of a swamp feature within Transect T 16. The artefact is a Flaked Piece made from silcrete. The site is assessed to be in poor condition. The site is assessed to be of low archaeological significance.	and Shaun Adams  Scatter, Artefact Scatter Potential Archaeological Deposit. The site is located on the margins of a swamp. It contains 4 artefacts. The site is assessed to be in fair condition. The site is assessed to be of high archaeological significance. Hearth 1 722889 6190630, Hearth 2 722870 6190589, Hearth 3 722864 6190586  O Giles Hamm and Amanda Atkinson  The site is a small Artefact Scatter located within Mallee dune field. The site contains 6 artefacts all made from silcrete. The site is located on the margins of a vehicle track. The site is assessed to be in poor condition. The site is assessed to be of medium  The site is an Isolated Find located on the edge of a swamp feature within Transect T 16. The artefact is a Flaked Piece made from silcrete. The site plain with silcrete. The site is assessed to be in poor condition. The site is assessed to be of low archaeological significance.	and Shaun Adams  Scatter, Artefact Scatter Potential Archaeological Deposit. The site is located on the margins of a swamp. It contains 4 artefacts.  The site is assessed to be in fair condition. The site is assessed to be of high archaeological significance.  Hearth 1 722889 6190630, Hearth 2 722870 6190589, Hearth 3 722864 6190586  O Giles Hamm and Amanda Atkinson  The site is a small Artefact Scatter located within Mallee dune field. The site contains 6 artefacts all made from silcrete. The site is located on the margins of a vehicle track. The site is assessed to be in poor condition. The site is assessed to be of medium  The site is assessed to be in poor condition. The site is assessed to be of medium  The site is an Isolated Find located on the edge of a swamp feature within Transect T 16. The artefact is a Flaked Piece made from and Shaun  The site is an Isolated Find located on the edge of a swamp feature within Transect T 16. The artefact is a Flaked Piece made from saltbush and bluebush  Saltbush Plains	and Shaun Adams  Scatter, Artefact Scatter Potential Archaeological Deposit. The site is assessed to be of high archaeological significance.  Hearth 1 722889 6190630, Hearth 2 722870 6190589, Hearth 3 722864 6190586  Giles Hamm and Amanda Atkinson  The site is a small Artefact Scatter located within Mallee dune field. The site contains 6 artefacts all made from silcrete. The site is all solutions of a vehicle track. The site is assessed to be in poor condition. The site is assessed to be of medium  The site is a small Artefact Scatter located within Mallee dune field. The site contains 6 artefacts all made from silcrete. The site is located on the margins of a vehicle track. The site is assessed to be of medium archaeological significance.  The site is a small Artefact Scatter located within Mallee dune field. The site is assessed to be of medium  Atkinson  Giles Hamm and Shaun  The site is an Isolated Find located on the edge of a swamp feature within Transect T 16. The artefact is a Flaked Piece made from silcrete. The site is allowable silcrete. The site is assessed to be of low archaeological significance.  Sandplains  Mallee  Sandplains and dunefields with mallee  Sandplains and shaun  Allowable silcrete. The site is an Isolated Find located on the edge of a swamp feature within Transect T 16. The artefact is a Flaked Piece made from silcrete. The site is assessed to be of low archaeological significance.

Site Name	Transect ID		tefact Other unt Site	Other Feature	Recorder	Date	Site Description	Land system	Range Type	Major Range	Physography	Summary
WB 49	Tw 16	Hearth	Feature 0 Hearth	Count 1	Giles Hamm and Shaun Adams	17/09/2012	The site is a small Hearth Scatter probably connected to WB 46 and WB 42 and is part of Transect 16. The site is located on the margins of a swamp. It contains no artefacts. The site is assessed to be in poor condition. The site is assessed to be of low archaeological significance.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
WB 5	Tw 1	Artefacts	2	0	Giles Hamm	30/07/2012	The site is an Artefact Scatter located on the edge of a small clay pan. It is located 200 m north of WB 1. There are 2 artefacts within the scatter. They are made principally from silcrete. The site is assessed to be in poor condition. The site is assessed to be of low archaeological significance.	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the Riverine Plain.
WB 50	Tw 16	Hearth	0 Hearth	1	Giles Hamm and Shaun Adams	17/09/2012	The site is a small Hearth Scatter probably connected to WB 46 and WB 42 and is part of Transect 16. The site is located on the margins of a swamp. It contains no artefacts. The site is assessed to be in poor condition. The site is assessed to be of low archaeological significance.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
WB 51	Tw 16	Hearth, and PAD	0 Hearth	1	Giles Hamm and Shaun Adams	17/09/2012	The site is a small Hearth Scatter and in-situ Hearth with Potential Archaeological Deposit probably connected to WB 46 and WB 42 and is part of Transect 16. The site is located on the margins of a swamp. It contains no artefacts. The site is assessed to be in poor condition. The site is assessed to be of medium archaeological significance.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
WB 52	Tw 16	Hearth	0 Hearth	1	Giles Hamm and Shaun Adams	17/09/2012	The site is a small Hearth Scatter and in-situ Hearth with Potential Archaeological Deposit probably connected to WB 46 and WB 42 and is part of Transect 16. The site is located on the margins of a swamp. It contains no artefacts. The site is assessed to be in poor condition. The site is assessed to be of low archaeological significance.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
WB 53	Tw 16	Isolated Artefact	1	0	Giles Hamm and Shaun Adams	17/09/2012	The site is an Isolated Find probably connected to WB 46 and WB 42 and is part of Transect 16. The site is located on the margins of a swamp. It contains a Complete Flake made from silcrete. The site is assessed to be in poor condition. The site is assessed to be of low archaeological significance.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
WB 54	Tw 15	Isolated Artefact	1	0	Giles Hamm and Shaun Adams	13/09/2012	The site is an Isolated Find probably connected to Transect 15. The site is located on the margins of a clay pan. It contains a Broken Flake made from silcrete. The site is assessed to be in fair condition. The site is assessed to be of low archaeological significance.	Youhl	Riverine plain with saltbush and bluebush	Saltbush Plains	Playas and Basins	Relict lakes adjacent to the Riverine Plain.
WB 55	Tw 10	Artefacts and PAD	3	0	Giles Hamm and Amanda Atkinson	8/08/2012	The site is a small occupation site and is part of Transect 10. The site is an Artefact Scatter and Potential Archaeological Deposit.  The site is located on a large clay pan. It contains 3 artefacts all made from silcrete. The site is assessed to be in poor condition.  The site is assessed to be of medium archaeological significance.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
WB 56	Tw 16	Isolated Artefact	1	0	Giles Hamm	17/09/2012	The site is an Isolated Find probably connected to WB 46 and WB 42 and is part of Transect 16. The site is located on the margins of a swamp. It contains a Complete Flake made from silcrete. The site is assessed to be in poor condition. The site is assessed to be of low archaeological significance. The site will be impacted by the proposed Balranald Mineral Sands Project.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
WB 57	Tw 10	Isolated Artefact	1	0	Giles Hamm and Amanda Atkinson	8/08/2012	The site is an Isolated Find probably connected to WB 45 and is part of Transect 10. The site is located on the margins of a residual within a large clay pan. It contains a Broken Flake made from silcrete. The site is assessed to be in poor condition. The site is assessed to be of low archaeological significance.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
WB 58	Tw 10	Artefacts	7	0	Giles Hamm and Amanda Atkinson	8/08/2012	The site is a small occupation site and is part of Transect 10. The site is an Artefact Scatter. The site is located on a large clay pan. It contains 7 artefacts all made from silcrete. The site is assessed to be in poor condition. The site is assessed to be of low archaeological significance.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
WB 59	Tw 10	Isolated Artefact	1	0	Giles Hamm and Amanda Atkinson	8/08/2012	The site is an Isolated Find probably connected to WB 45 and is part of Transect 10. The site is located on the margins of a residual within a large clay pan. It contains a Complete Flake made from silcrete. The site is assessed to be in poor condition. The site is assessed to be of low archaeological significance.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
WB 6	Tw 1	Isolated Artefact	1	0	Giles Hamm	30/07/2012	The site is an Isolated Find located on the edge of a large clay pan. The artefact is a Broken Flake Proximal made from silcrete. The site is assessed to be in poor condition. The site is assessed to be of low archaeological significance.	Marma	Scalded plains	Saltbush Plains	Alluvial plains	III-defined scalded drainage tracts associated with the Riverine Plain.

Site Name	Transect ID	Site Features	Artefact Count	Other Site	Other Feature	Recorder	Date	Site Description	Land system	Range Type	Major Range	Physography	Summary
WB 60	Tw 10	Artefacts and PAD	2	Feature	Count 0	Giles Hamm and Amanda Atkinson	8/08/2012	The site is a small occupation site and is part of Transect 10. The site is an Artefact Scatter and Potential Archaeological Deposit.  The site is located on a large clay pan. It contains 2 artefacts all made from silcrete. The site is assessed to be in poor condition.  The site is assessed to be of medium archaeological significance.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
WB 61	Tw 10	Isolated Artefact	1		0	Giles Hamm and Amanda Atkinson	8/08/2012	The site is an Isolated Find probably connected to WB 60 and is part of Transect 10. The site is located on the margins of a residual within a large clay pan. It contains a Broken Flake made from silcrete. The site is assessed to be in poor condition. The site is assessed to be of low archaeological significance.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
WB 62	Tw 10	Artefacts	3		0	Giles Hamm and Amanda Atkinson	8/08/2012	The site is a small occupation site and is part of Transect 10. The site is an Artefact Scatter. The site is located on a large clay pan. It contains 3 artefacts all made from silcrete. The site is assessed to be in poor condition. The site is assessed to be of low archaeological significance.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
WB 63	Tw 17	Artefacts, Hearth, and PAD	85	Hearth	1	Giles Hamm and Shaun Adams	17/09/2012	The site is a large occupation site and is part of Transect 17. The site contains an Artefact Scatter, a number of Hearths, Hearth Scatters and Potential Archaeological Deposit. The site is located on the edge of swamp feature. It contains 85 artefacts a majority made from silcrete. The site is assessed to be in fair condition. The site is assessed to be of high archaeological significance.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
WB 64	Tw 10	Isolated Artefact and PAD	1		0	Giles Hamm and Amanda Atkinson	8/08/2012	The site is an Isolated Find and Potential Archaeological Deposit probably connected to WB 60 and is part of Transect 10. The site is located on the margins of a residual within a large clay pan. It contains a Broken Flake made from silcrete. The site is assessed to be in poor condition. The site is assessed to be of low archaeological significance. T	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
WB 65	Tw 20	Artefacts, Hearth and PAD	104	Hearth	1	Giles Hamm and Shaun Adams	12/09/2012	The site is a large occupation site and is part of Transect 13. The site contains an Artefact Scatter, a number of Hearths, Hearth Scatters and Potential Archaeological Deposit. The site is located on the edge of swamp feature/clay pan. It contains 104 artefacts a majority made from silcrete. The site is assessed to be in fair condition. The site is assessed to be of medium archaeological significance.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
WB 66	WB 66 Site Recording only	Artefacts, Hearth and PAD		Hearth	1	Giles Hamm and Shaun Adams	28/09/2012	The site is a large occupation site located on the Eastern Lunette of Muckee Lake . The site contains an Artefact Scatter, a number of Hearth Scatters and Potential Archaeological Deposit. The site is located on the edge of swamp feature/clay pan . It contains 13 artefacts a majority made from calcrete and silcrete. The site is assessed to be in fair condition. The site is assessed to be of high archaeological significance. T	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the Riverine Plain.
WB 67	100	Artefacts and PAD	24		0	Clare Anderson	30/05/2013	WB 67 was identified during a due diligence assessment WB 67 is an artefact scatter with Potential Archaeological Deposit and consists of 24 stone artefacts. Artefact include flakes and tools. Artefact raw material types include a range oc micro and macro silcretes, quartzite. WB 67 is in close proximity to WB 40, WB 68, WB 69, WB 70 and could be considered part of the same continuous landscape of artefacts associated with the dunes bordering Muckee Lake. WB 67 has not been assessed for significance but is likely to contain similar values to WB 40.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
WB 68	100	Artefacts and PAD	2		0	Clare Anderson	31/05/2013	Artefacts within WB 67 were found eroding from residual soils. Potential Archaeological Deposit is likely to be present.  WB 68 was identified during a due diligence assessment WB 678is an artefact scatter consisting of two complete silcrete flakes with Potential Archaeological Deposit. WB 68 is in close proximity to WB 40, WB 687 WB 69, WB 70 and could be considered part of the same continuous landscape of artefacts associated with the dunes bordering Muckee Lake. WB 67 has not been assessed for significance.  Artefacts within WB 68 were found eroding from residual soils. Potential Archaeological Deposit is likely to be present.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
WB 69	100	Artefacts and PAD	2		0	Clare Anderson	31/05/2013	WB 69 was identified during a due diligence assessment WB 69 is an artefact scatter consisting of two silcrete flakes with Potential Archaeological Deposit. WB 69 is in close proximity to WB 40, WB 68, WB 67, WB 70 and could be considered part of the same continuous landscape of artefacts associated with the dunes bordering Muckee Lake.  Artefacts within WB 69 were found eroding from residual soils. Potential Archaeological Deposit is likely to be present.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
WB 7	Tw 1	Artefacts	2		0	Giles Hamm	30/07/2012	The site is an Artefact Scatter located on the edge of a small clay pan. It is located 200 m north of WB 1. There are 2 artefacts within the scatter. They are made from silcrete. The site is assessed to be in poor condition. The site is assessed to be of low archaeological significance.	Marma	Scalded plains	Saltbush Plains	Alluvial plains	Ill-defined scalded drainage tracts associated with the Riverine Plain.
WB 70	100	Artefacts and PAD	5		0	Clare Anderson	31/05/2013	WB 70 was identified during a due diligence assessment WB 70 is an artefact scatter consisting of 5 silcrete stone artefacts with Potential Archaeological Deposit . Artefact types include cores, flakes and tools. WB 70 is in close proximity to WB 40, WB 67, 68, and WB 69nd could be considered part of the same continuous landscape of artefacts associated with the dunes bordering Muckee Lake.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
								Artefacts within WB 70were found eroding from residual soils. Potential Archaeological Deposit is likely to be present in adjacent residual soils.					

Site Name	Transect ID	Site Features	Artefact Count	Other Site	Other Feature Count	Recorder	Date	Site Description	Land system	Range Type	Major Range	Physography	Summary
WB 71	100	Artefacts, Hearth and PAD	10	Feature Hearth	1	Clare Anderson	31/05/2013	WB 71 was identified during a due diligence assessment WB 71 is an artefact scatter consisting of 10 stone artefacts and a hearth scatter with Potential Archaeological Deposit . Raw material types for artefacts include quartz, quartzite and silcrete. Artefact types include cores, flakes and tools. WB 71 is in close proximity to WB 40, WB 67, 68, WB 69 and WB 70 and could be considered part of the same continuous landscape of artefacts associated with the dunes bordering Muckee Lake. One calcrete hearth scatter was identified in WB 71. No charcoal was visible but burnt calcrete was located in a tight cluster. Artefacts within WB 71 were found eroding from residual soils. Potential Archaeological Deposit is likely to be present in adjacent residual soils.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
WB 72	52	Artefacts	4		0	Clare Anderson	31/05/2013	WB 72 was identified during a due diligence assessment. WB 72 is an artefact scatter consisting of 4 stone artefacts on a dirt track running alongisde the Hughdale property boundary The site consists of three silcrete flakes and a silcrete retouched tool. WB 72 is in a disturbed context and its integrity cannot be assured.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
WB 73	52	Artefacts and PAD	5		0	Clare Anderson	31/05/2013	WB 73 was identified during a due diligence assessment WB 73 is an artefact scatter consisting of 4 silcrete flakes and one silcrete core within erosion created by the creation of a drainage channel adjacent the Hughdale property boundary fence and adjacent access track. WB 73 is disturbed but artefacts located were eroding from residual soils and potential archaeological deposit may exist.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
WB 74	100	Artefacts and PAD	9		0	Clare Anderson	31/05/2013	WB 74 was identified during a due diligence assessment WB 74 is an artefact scatter consisting of 9 stone artefacts and Potential Archaeological Deposit. Artefact raw materials include silcrete and quartzite. Artefact types include core, flakes, retouched tools and a grinding stone,. Artefacts located were eroding from residual soils and potential archaeological deposit may exist.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
WB 75	52	Isolated Artefact	1		0	Clare Anderson	31/05/2013	WB 75 was identified during a due diligence assessment WB 75 is an isolated stone artefact - a broken silcrete flake, located in close proximity to existing ground water monitoring wells.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
WB 76	Walking between transects	Isolated Artefact	1		0	Clare Anderson	31/05/2013	WB 76 was identified during a due diligence assessment WB 76 is an isolated stone artefact - a silcrete flake.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
WB 77	52	Isolated Artefact	1		0	Clare Anderson	31/05/2013	WB 77 was identified during a due diligence assessment WB 77 is an isolated stone artefact - a complete silcrete flake	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
WB 78	52	Isolated Artefact	1		0	Clare Anderson	31/05/2013	WB 78 was identified during a due diligence assessment WB 78 is an isolated stone artefact - a broken silcrete flake	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
WB 79	45	Isolated Artefact	1		0	Clare Anderson	30/05/2013	WB 79 was identified during a due diligence assessment WB 79 is an isolated stone artefact - a silcrete retouched tool with backing	Condoulpe	Sandplains and dunefields with mallee	Mallee	Sandplain	Sandplain between dunefields and the Riverine Plain near Balranald
WB 8	Tw 1	Artefacts and Hearth	2	Hearth	1	Giles Hamm	30/07/2012	The site is an Artefact Scatter with a hearth scatter of termite nest material located on the edge of a small clay pan. It is located on the south-eastern corner of T1. There are 2 artefacts within the scatter. They are made from silcrete. The site is assessed to be in poor condition. The site is assessed to be of low archaeological significance.	Marma	Scalded plains	Saltbush Plains	Alluvial plains	III-defined scalded drainage tracts associated with the Riverine Plain.
WB 80	52	Isolated Artefact	1		0	Clare Anderson	31/05/2013	WB 80 was identified during a due diligence assessment WB 80 is an isolated stone artefact - a silcrete retouched tool.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
WB 81	52	Isolated Artefact	1		0	Clare Anderson	30/05/2013	WB 81 was identified during a due diligence assessment WB 81 is an isolated stone artefact - a broken silcrete retouched tool.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.

Site Name	Transect ID	Site Features	Artefact Count	Other Site	Other Feature	Recorder	Date	Site Description	Land system	Range Type	Major Range	Physography	Summary
WB 82	внм з	Hearth	0	Feature Hearth	Count 1	Clare Anderson	25/06/2013	WB 82 was identified during a due diligence assessment WB 82 is a hearth scatter with a concentration of calcrete heat retainers in a scald. No charcoal was visible.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
WB 83	внмз	Isolated Artefact	1		0	Clare Anderson	25/06/2013	WB 83 was identified during a due diligence assessment WB 83 is an isolated stone artefact - a broken silcrete flake.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
WB 84	внмз	Isolated Artefact	1		0	Clare Anderson	25/06/2013	WB 84 was identified during a due diligence assessment WB 84is an isolated stone artefact - a broken silcrete flake, maximum dimension 20mm.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
WB 85	внмз	Artefacts	3		0	Clare Anderson	25/06/2013	WB 85 is an open stone artefact scatter consisting of a a broken silcrete flakes (max. dimension 10mm), a silcrete core, a broken quartz flake (max. dimension 16mm) in an exposure approximately 40-60m west of a dirt track.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
WB 86	внмз	Artefacts and Hearth	2	Hearth	1	Clare Anderson	25/06/2013	WB 86 is an open artefact scatter consisting of a quartzite unifacial core, a complete silcrete retouched tool and a dispersed scatter of burnt calcrete heat retainers	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
WB 87	внмз	Artefacts	2		0	Clare Anderson	25/06/2013	WB 87 consist of a two silcrete flakes - one complete one proximal located in an exposure adjacent a soak.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
WB 88	внмз	Hearth	0	Hearth	1	Clare Anderson	25/06/2013	WB 88 is a dispersed scatter of burnt calcrete heat retainers.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
WB 89	внм3	Artefacts	2		0	Clare Anderson	25/06/2013	WB 89 is located in a scald with scattered calcrete. Site consists of a complete silcrete flake and a silcrete scraper.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
WB 9	Tw 1	Isolated Artefact and Hearth	1	Hearth	1	Giles Hamm	30/07/2012	The site is an Isolated Find located on the edge of a small clay pan. The artefact is a Broken Flake distal made from silcrete. The site is assessed to be in poor condition. The site is assessed to be of low archaeological significance.	Marma	Scalded plains	Saltbush Plains	Alluvial plains	III-defined scalded drainage tracts associated with the Riverine Plain.
WB 90	внмз	Isolated Artefact	1		0	Clare Anderson	25/06/2013	Wb 90 is an isolated complete silcrete flake (max dimension 10mm), uni platform, feather termination. Site is located in an exposure in close proximity to transmission line. Temporary water available in landscape in soaks, scalds. An open depression is located within 400m which contained water at the time of survey. Site is within the relict floodplain of Box Creek. Box Trees are present in the nearby vicinity suggesting available groundwater/	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
WB 91	внм3	Hearth	0	Hearth	1	Clare Anderson	25/06/2013	WB 91 is a dispersed scatter of burnt calcrete heat retainers over a 5 m x 5 m area. No charcoal was visible and retains no intact material.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.
WB 92	внмз	Isolated Artefact	1		0	Clare Anderson	25/06/2013	WB 91 was identified during a due diligence assessment. The site consists of a single silcrete distal flake, located in an exposure associated with a 19 kv transmission line and access track, with feather termination and a maximum dimension of 23 mm. 25% cobble cortex present on dorsal surface.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.

Site	Transect	Site	Artefact	Other	Other	Recorder	Date	Site Description	Land system	Range	Major	Physography	Alluvial Extensive saltbush plain with small subcircular depressions.  Alluvial Extensive saltbush plain with small subcircular depressions.
Name	ID	Features	Count	Site Feature	Feature Count					Туре	Range		
WB 93	внм3	Artefacts	2	reature	0	Clare Anderson	25/06/2013	WB 93 consists of one silcrete and one quartzite artefacts in an exposure in proximity to a 19 kv transmission line and access track.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	·
WB 94	внмз	Isolated Artefact	1		0	Clare Anderson	25/06/2013	WB 94 is an isolated broken silcrete flake with a maximum dimension of 20 mm	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	1
WB 95	внмз	Artefacts	2		0	Clare Anderson	25/06/2013	WB 95 was identified during a due diligence assessment The site consist of two silcrete flakes; one broken (maximum dimension 20) is located immediately east of an access track and one complete flake (maximum dimension 23mm, unidirection platform, feather termination) is located 20 m to the north-east eroding from residual soil. The site is considered to have low scientific significance. Residual soils may contain further artefacts.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	
WB 96	внмз	Isolated Artefact	1		0	Clare Anderson	25/06/2013	WB 96 was located during a due diligence assessment and consists of a single complete silcrete flake with a maximum dimension of 12 mm, feather termination and uni platform.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	1
WB 97	внмз	Isolated Artefact	1		0	Clare Anderson	25/06/2013	WB 97 was identified during a due diligence assessment and consists of a single complete silcrete flake (maximum dimension 26 mm) with an abrupt termination and flaked platform.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	·
WB 98		90 Isolated Artefact	1		0	Clare Anderson	26/06/2013	WB 98 was identified during a due diligence assessment WB 98 is an isolated stone artefact - a broken distal silcrete flake with a maximum dimension of 27 mm	Youhl	Riverine plain with saltbush and bluebush	Saltbush Plains	Playas and Basins	Relict lakes adjacent to the Riverine Plain.
WB 99	ВНМ3	Isolated Artefact and Hearth	1	Hearth	1	Clare Anderson	26/06/2013	WB 99 contains an isolated complete silcrete flake with a step termination (maximum dimension 32 mm) located in a scald with residual soils. Some of the residual soils appear that they may contain stained sediments. It was not clear from the exposure whether these were burnt or not.	Rata	Riverine plain with saltbush and bluebush	Saltbush Plains	Alluvial plains	Extensive saltbush plain with small subcircular depressions.

