

# K | Land Contamination







# Report

Kevin's Corner Coal Mine Project

Environmental Impact Statement

Contaminated Land Preliminary Site Investigation

22 FEBRUARY 2011

Prepared for  
Hancock Galilee Pty Ltd

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**URS**



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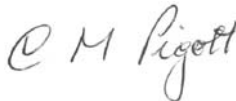


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## Abbreviations

Abbreviation	Description
CLR	Contaminated Land Register
DERM	Department of Environment and Resource Management
EIS	Environmental Impact Statement
EMR	Environmental Management Register
EPC	Exploration Permit Coal
g/L	Grams per litre
JORC	Joint Ore Reserves Committee
km	kilometre
L	litre
LOM	Life of Mine
M	metre
MDL	Mining Development Lease
MLA	Mining Lease Application
MSDS	Material Safety Data Sheet
Mtpa	Million tonnes per annum
PSI	Preliminary Site Investigation
ToR	Terms of Reference
URS	URS Australia PTY LTD
CLR	Contaminated Land Register
DERM	Department of Environment and Resource Management
EIS	Environmental Impact Statement
EMR	Environmental Management Register



## Executive Summary

URS Australia Pty Ltd was engaged by Hancock Galilee Pty Ltd (HGPL) to prepare a Preliminary Site Investigation (PSI) within the proposed Kevin's Corner Project site (the Project). This report reviews the potential for contamination as a result of existing and former land use within the Project site. The PSI comprised a desktop review including historical and current title searches, historical aerial photograph interpretation, searches of the Department of Resource and Environmental Management's (DERM) Environmental Management Register (EMR) and Contaminated Land Register (CLR), and a physical inspection of the Project site.

The objective of the PSI was to examine and identify any environmental issues or risks that have a potential to impact the environment at the Project site as a result of current and past land use practices, and that may be a liability for future owners or operators of the site.

A review of available geological information indicates the Project lies in the Galilee Basin, within the late Permian Colina and Bandanna formations. The coal bearing strata subcrop in a linear, north-south trending belt in the central portion of the basin.

The depth of the water table has been found to be greater than 10 m across the Project site.

The majority of the land parcels associated with the Project site are currently utilised for cattle grazing. A review of current and historical titles, as well as historical aerial photographs, indicated that the majority of the Project site has been grasslands used for cattle grazing.

A site inspection conducted by URS between 9 and 12 October 2010, indicated that there are a few minor land contaminated areas resulting from fuel storage, waste oil storage and minor pesticide and herbicide use. There were no other recognised environmental conditions observed during the site visit or review of historical site data. The Project site appeared generally well maintained and few potential sources of contamination were identified over relatively small portions of the site (**Figure 3**).

URS recommends that prior to disturbance/excavation, soils and possibly groundwater in areas of visual contamination are investigated by a suitably qualified person (as per Section 381 of the EP Act). Additionally, should soil staining or stock dip structures be encountered during any earthworks, work should be stopped in the area until assessment by a suitably qualified person has been undertaken. This investigation/assessment will assist to characterise the potential contamination and ascertain the extent and evaluate any potential risk to site users or the environment. Characterisation of the potentially impacted soils will allow for assessment of future management and disposal options, in accordance with the Department of Environment and Resource Management (DERM) *"Draft Guidelines for the Assessment and Management of Contaminated Land in Queensland"* (1998).



## Introduction

### 1.1 General

As part of the Kevin's Corner Coal Mine Project Environmental Impact Statement (EIS), URS Australia Pty Ltd (URS) was commissioned by Hancock Galilee Pty Ltd (HGPL) to undertake a Preliminary Site Investigation (PSI) to evaluate the potential for contaminated land within the Project site.

The site is located approximately 65 km north of the town of Alpha in Central Queensland. The site is currently pastoral land used for cattle grazing with current and historical exploration activities. The Project site as shown in **Figure 1** will comprise open cut and underground mining operations and associated infrastructure and is expected to produce approximately 30 Million tonnes per annum (Mtpa) of thermal coal for both the national market and the export market. The expected life of mine (LOM) is 30 years with sufficient Joint Ore Reserves Committee (JORC) compliant resources to potentially extend the project life beyond 30 years.

The Project encompasses Mining Lease Application (MLA) 70425 which is a combination of Mining Development Lease (MDL) 333 and Exploration Permit Coal (EPC) 1210 and includes the following land parcels:

- Lot 1007 on NPW632;
- Lot 1788 on PH886;
- Lot 3533 on PH56;
- Lot 4994 on PH2232;
- Lot 649 on PH1981;
- Lot 681 on PH406;

The locations of the mining tenements and real property descriptions are presented in **(Figure 2)**. Additional land parcel information can be obtained in Table 4-1.

### 1.2 Objectives

The objective of the PSI was to examine and identify any environmental issues or risks that have a potential to impact the environment or human health at the Project as a result of current and past land use practices and that may be a liability for future owners or operators of the Project site.

### 1.3 Scope of Works

This report investigates land parcels comprising Forrester, Surbiton, Surbiton South, Wendouree and Cudmore Resources Reserve. The mining lease is expected to contain open cut and underground mining areas as well as associated infrastructure, haul roads, a tailings facility and railway facilities.

The scope of work undertaken by URS as part of the PSI of the Project site included the following:

- A review of historical data including a review of aerial photographs, historical certificates of title search and interviews with landholders;
- A review of applicable regulatory and planning information relevant to the Project;
- A review of geological, hydrogeological, and topographical maps and databases to examine the physical setting and proximity of the Project to sensitive receptors;
- A site inspection to examine the current environmental setting of the Project, observe current activities on site, identify surrounding land uses, and the current visible status of the property; and



## 1 Introduction

- The preparation of a report detailing the investigations undertaken, the findings of the assessment, and a discussion of the findings including an outline of applicable further investigations and remediation options, where warranted.

The PSI was undertaken in accordance with the Department of Environment and Resource Management (DERM) *"Draft Guidelines for the Assessment and Management of Contaminated Land in Queensland"* (1998), and the EIS Terms of Reference (ToR).

It should be noted that it was not possible to access all areas of the Project site, due to adverse weather conditions. Soil and groundwater sampling was not included within the scope of work of this investigation.



## Site Information

### 2.1 Site Locality

Mining Lease Application (MLA) 70425 (known as Kevin's Corner) covers a total of 37,381 ha and is held by Hancock Galilee Pty Ltd and will expire on 30 September 2012. The MLA boundary forms the Project site boundary.

The Project site is located approximately 65 km north-west of Alpha in Central Queensland. The Project site landuse is predominantly pastoral with activities undertaken to date including cattle grazing and coal exploration.

### 2.2 Title Information

The governing local council (historically Jericho Shire Council) is the Barcaldine Regional Council. Copies of the current and historical Certificates of Title are presented in Table 4-1. The following lots comprise the Project site:

- Lot 649 on PH1981 (County of Beaufort, Parish of Greentree and Palyenna); Barcaldine Regional Council
- Lot 681 on PH406 (County of Drury and Parish of Albion; Barcaldine Regional Council; and County of Beaufort, Parish of Surbiton; Isaac Regional Council)
- Lot 1007 on NPW632 (County of Beaufort, Parish of Cudmore, Barcaldine Regional Council)
- Lot 1788 on PH886 (County of Beaufort, Parish of Forrester; Barcaldine Regional Council)
- Lot 3533 on PH56 (County of Beaufort, Parish of Surbiton; Barcaldine Regional Council)
- Lot 4994 on PH2232 (County of Beaufort, Parish of Charlemont; Barcaldine Regional Council)

### 2.3 Zoning Information

The former Jericho Shire Council Planning Scheme (June 2006) indicated the Project site is zoned both Rural and Open Space and Recreation. Open Space and Recreation zoning exists to the north-west of the site (Cudmore Resources Reserve), with rural zoning in place in the remaining areas surrounding the Project.

### 2.4 Site Use

#### 2.4.1 Current Use

The Project site includes areas of the Forrester, Surbiton, Surbiton South, and Wendouree pastoral leases. Also the north western corner of the Project site encompasses the Cudmore Resources Reserve.



## 2 Site Information

**Figure 2** shows the layout of the Project site on the associated land parcels.

Land outside of the resources reserve has undergone some vegetation clearing to allow for low level grazing of beef cattle. No homesteads are located within the Project site; however one area with sheds and some stockyards were noted on Wendouree. No other activities aside from mineral exploration activities were noted. Mustering of cattle occurs approximately twice per year and workers camp near the holding yards during these periods.

### 2.4.2 Proposed Use

The proposed Project site use includes 30 Mtpa thermal coal mine to include two open cut and three underground (longwall) areas. The proposed Project has an expected mine life of 30 plus years, with sufficient Joint Ore Reserves Committee (JORC) compliant resources to significantly extend the project life beyond 30 years. Coal will be washed at the site and conveyed to a train lead-out facility. A short rail spur will link the Project site to the proposed Alpha Project rail line, which will facilitate transportation of the coal to the port facility at Abbot Point for export.



## Environmental Setting

### 3.1 Regional Geology and Hydrogeology

The Project site lies in the Galilee Basin, within the late Permian Colinlea (quartz sandstone and pebbly quartz sandstone, minor conglomerate and siltstone) and Bandanna (calcareous, lithic sandstone, siltstone and coal, with minor tuff and oil shale) formations. The Project's coal bearing strata subcrop in a linear, north-south trending belt in the central portion of the basin and are essentially flat lying. No major regional scale fold and fault structures have been identified during regional mapping of the Project site. Quaternary age alluvials and Tertiary age sands, clays and laterites unconformably overly the Permian age coal measures. Further discussion on geology can be found in Volume 1 Section 4 (Geology) and Section 12 (Groundwater)..

Groundwater within the Project site is sourced from the alluvium, moderately permeable coal seams, as well as sedimentary strata within the Colinlea formation. The water table varies across the site, and has been measured to lie between 10 to 15 m below ground surface.

### 3.2 Groundwater Database

A search for registered groundwater users located within a 5 km radius of the Project site was undertaken using the Groundwater and Licensing Database maintained by the Department of Environment and Resource Management (DERM). Historically, stock water and domestic bores were not required to be licensed, and so the database may not list all bores in the regions of the Project site.

The search results indicate that 26 registered sub artesian groundwater bores are located within a 5 km radius of the Project. Six existing registered bores are located within the Project site which are likely to be used for irrigation and/or stock watering. Further discussion on groundwater bores can be found in the Volume 1 Section 12 (Groundwater).

### 3.3 Surface Water

Multi-channelled, ephemeral creek corridors are present over much of the Project site. Local landholders have indicated that these waterways are subject to rapid rising and draining flood events. The Project site contains Sandy Creek, Rocky Creek, Well Creek, Middle Creek, Little Sandy Creek and Greentree Creek all of which are tributaries of the Belyando River. The Belyando River flows in a northerly direction and is a tributary of the Burdekin River.

Areas of water storage have been created by the landholders to provide water for their cattle. There are no other significant water bodies noted within the Project site.

### 3.4 Topography

The Project site and surrounding areas exhibit topographical features consistent with the regional landscape of the Galilee Basin. The topography is dominated by flat to gently sloping landforms and low rolling hills. The general topography of the Project site is discussed in detail in the Landscape Character section of the EIS.

The Project site is generally flat or gently sloping towards the creeks. There were a number of low-lying, flat topped hills within and continuing outside of the Project site. The land had been partially cleared in some areas to increase cattle grazing capacity. Other areas were covered with tall trees and vegetation with ground coverage by grass species.



## 3 Environmental Setting

### 3.5 Neighbouring Land Uses

The neighbouring land use is predominantly large pastoral holdings for raising beef cattle. In addition, the Project site was surrounded by mineral exploration leases with some exploration activities (drilling) in progress.



## Review of Historical Information

### 4.1 Site History

#### 4.1.1 Certificates of Title

A search of current and historical titles of the land parcels included in MLA74025 was undertaken through DERM. It is understood that ownership of the land parcels was held by the Crown prior to the dates listed below.

Relevant current ownership information is presented in **Table 4-1**.

**Table 4-1 Certificate of Title Review**

Lot No.	Plan No.	Title Reference	Owner/Lessee	Created / Terms of Lease	Previous Title/Owner or Occupier Notes
649	PH1981	17665180	The Barcaldine Downs Pastoral Coy. Pty. Ltd.	Lease for 63 years from 01/10/1961	Easement no. 602805515 was resumed on 15/02/1986 to the Queensland Electricity Commission. Vegetation notice (dealing 711339387) was lodged on 11/01/08.
681	PH406	17665184	Elsie May Dillon Sean Micheal Dillon Teneille Kate Dillon	Lease for 53 years from 07/01/1964	Vegetation notice (dealing 711198957) was lodged on 21/11/2007
1007	NPW 632	47532006	Nature Conservation Chief Executive and Mining Chief Executive as Trustee for the State of Queensland (Represented by Environmental Protection Agency)	Current title was created on 28/02/07	Protected Area Estate
1788	PH 886	17667081	Peter Joseph Mckeering Irene Maria Mckeering	Lease for 45 years from 01/10/1972	Vegetation Notices (dealings 708813375 and 712554106) were lodged on 12/07/05 and 26/06/09
3533	PH56	17665208	Andrew Charles Robert Donaldson, Donna Lee Donaldson	Lease for 53 from 01/07/1964	Vegetation notice (dealing 712686250) lodged on 14/09/2005
4994	PH 2232	17665219	Mervyn Angus Carruthers	Lease for 63 years commencing 01/10/1963	

#### 4.1.2 Aerial Photographs

A historical aerial photography survey was undertaken for the Kevin's Corner Project through DERM. The following aerial photographs were reviewed to assist in the interpretation of the site history. The findings of the aerial photographs are summarised below and aerial photographs are presented in




## 4 Review of Historical Information

Table 4-2. Note that the appropriate Project site boundary has been outlined in red in the aerial photographs.

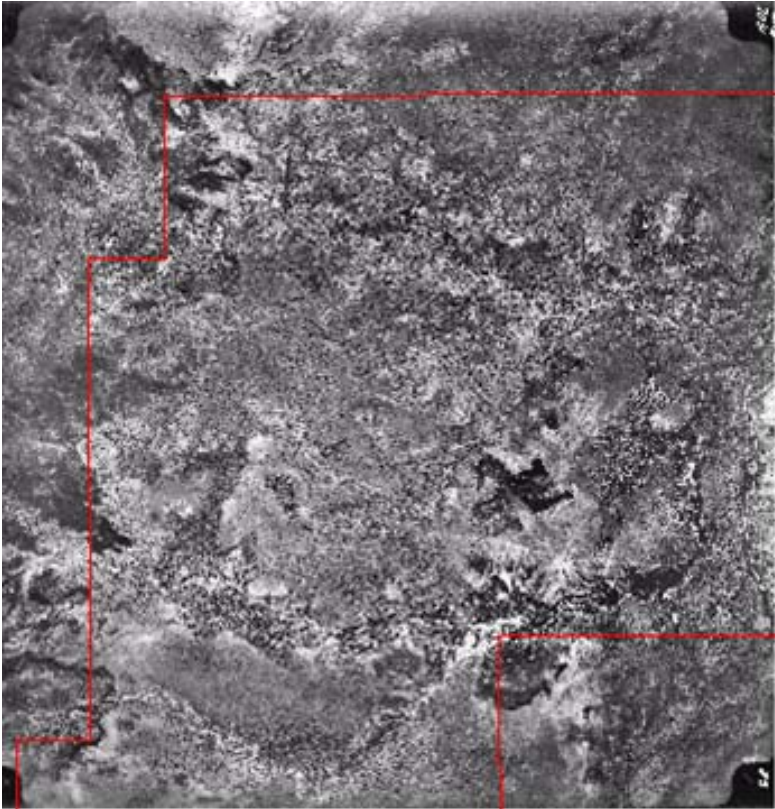
- **1952** - SYV1367 Jericho - Run 5 - Frames 18, 26, 28, 30, 43, 141, 143, 194, 196,- Scale 1:25000
- **1969** – CAB7031 Jericho – Run 1 – Frames 83, 87, 133 – Scale 1:25,000
- **1980** – Q380 Edwinstowe – Run 3 - Frames 26, 28, 238 – Scale 1:25,000
- **1991** – Q4962 Edwinstowe – Run 1 - Frames 54, 56, 58, 61 – Scale 1:40,000
- **1991** – Q4962 Edwinstowe – Run 2 – Frames 47, 49, 51, 53 – Scale 1:40,000
- **1991** – Q4962 Edwinstowe – Run 3 – Frames 7, 9 – Scale 1:40,000
- **2001** – QAP5926 Edwinstowe – Run 1 – Frames 15, 17, 19, 21 – Scale 1:40,000
- **2001** – QAP5926 Edwinstowe – Run 2 – Frames 46, 48, 50, 52 – Scale 1:40,000
- **2001** – QAP5926 Edwinstowe – Run 3 – Frames 81, 83, 85, 87 – Scale 1:40,000

**Table 4-2 Aerial Photography Review**

Year	Site Details
1952	 <p>Site is undeveloped, some tracks and fences are visible.</p>

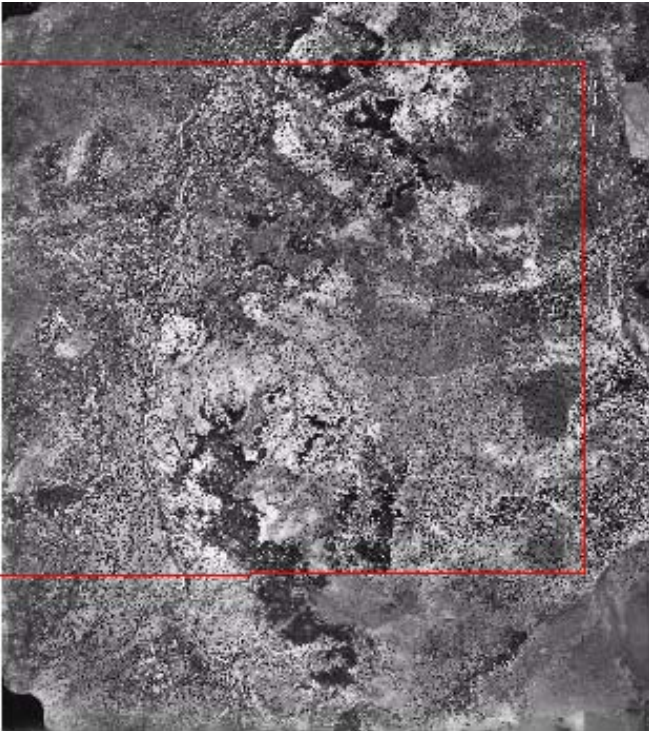


## 4 Review of Historical Information

Year	Site Details
1969	
	<p>Site is relatively undeveloped Some roads and dams visible</p>

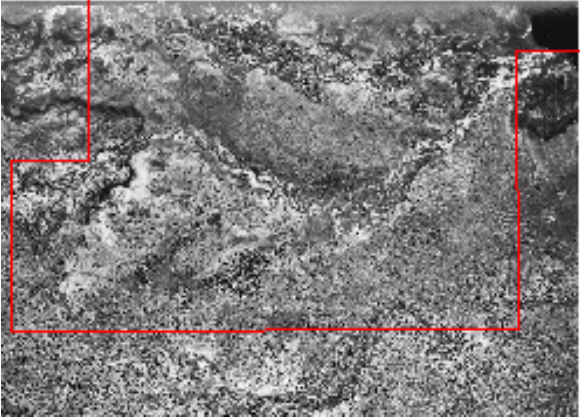


## 4 Review of Historical Information

Year	Site Details
1969	
	<p>Site is relatively undeveloped Some roads and dams visible.</p>

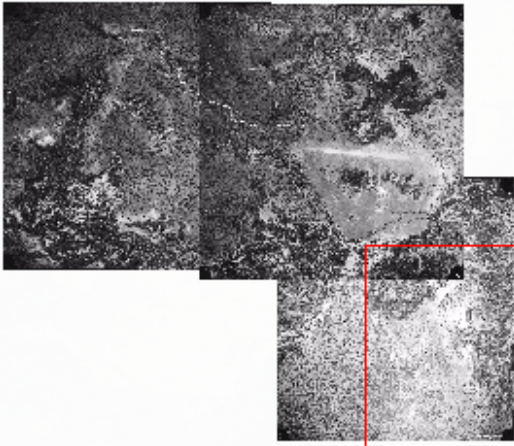


## 4 Review of Historical Information

Year	Site Details
1969	 <p data-bbox="244 1395 568 1458">Site is relatively undeveloped Some roads and dams visible.</p>



## 4 Review of Historical Information

Year	Site Details
1980	 <p>Site is relatively undeveloped, roads are more pronounced. Clearing has taken place to the south of the Wendouree Airfield. Wendouree Stockyard and dam present.</p>

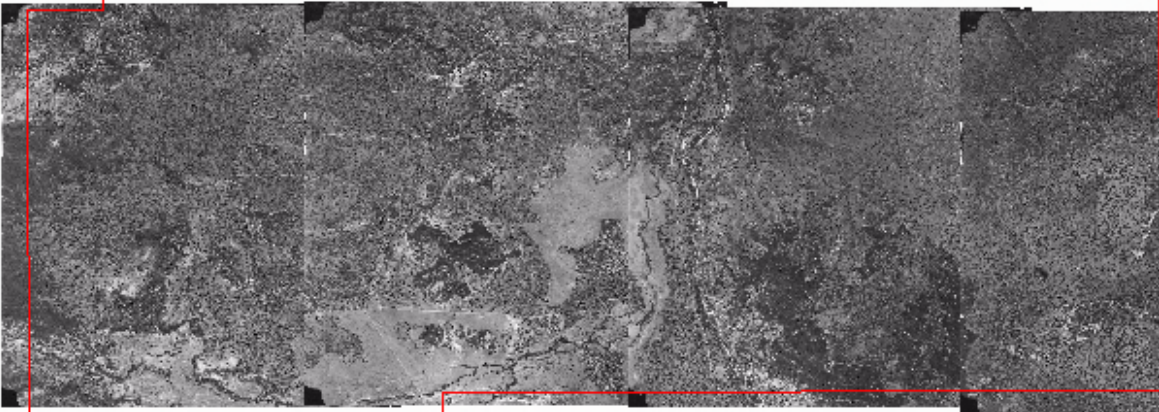


## 4 Review of Historical Information

Year	Site Details
1991	 <p>Site is relatively undeveloped, roads more pronounced. Some dams have been constructed. Minor clearing has occurred to the west of Sandy Creek</p>

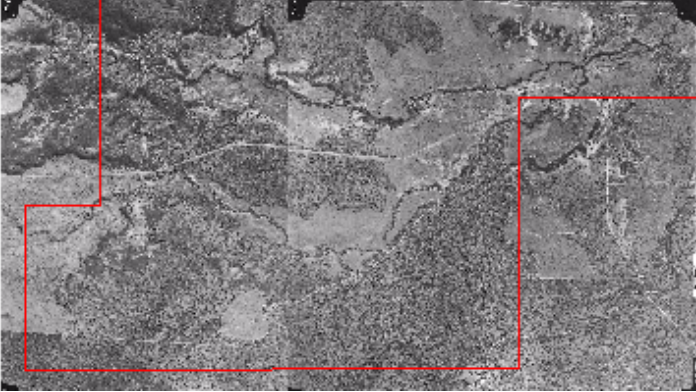


#### 4 Review of Historical Information

Year	Site Details
1991	
	<p>Site is relatively undeveloped, roads more pronounced. Additional dams have been constructed. Regularly spaced cleared lines visible to the west of Sandy Creek – potential seismic lines. Clearing has taken place surrounding Little Sandy Creek, and south west of the Wendouree Airfield.</p>

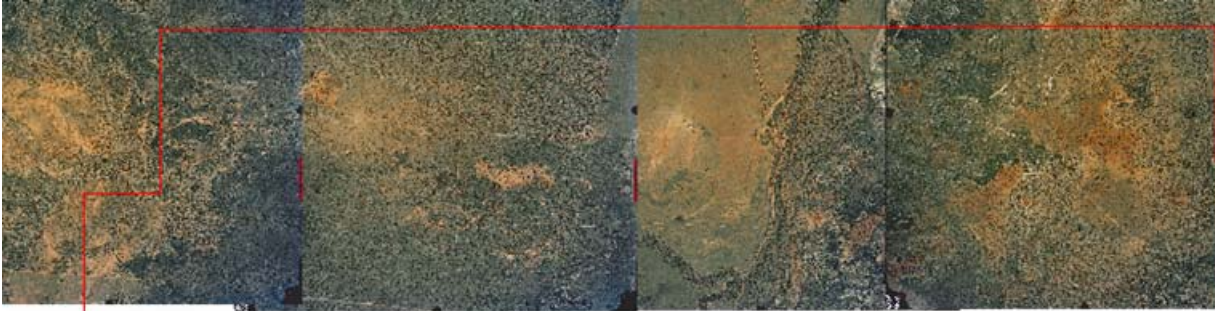



## 4 Review of Historical Information

Year	Site Details
1991	
	<p>Site is relatively undeveloped, roads more pronounced.  Additional dams have been constructed.  Clearing has taken place surrounding Little Sandy Creek, and south west of the Wendouree Airfield.</p>

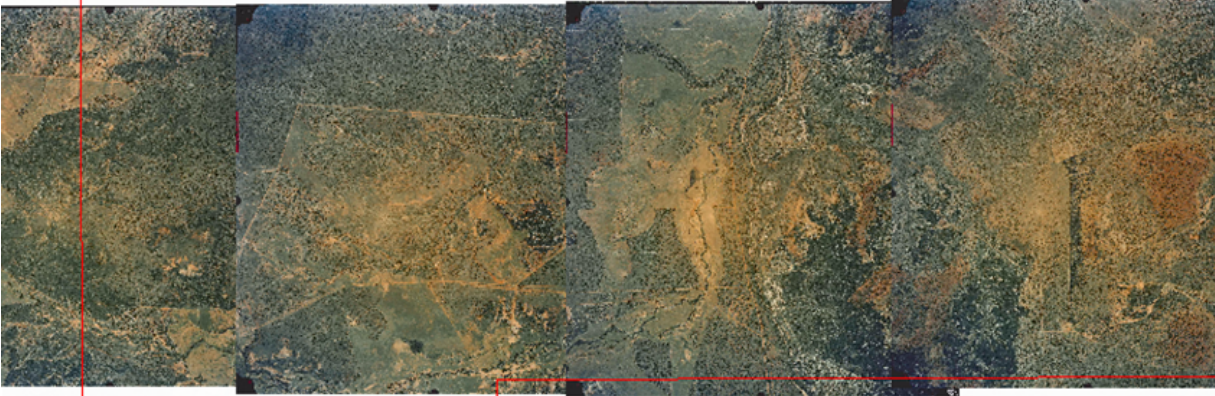


#### 4 Review of Historical Information

Year	Site Details
2001	<div data-bbox="244 394 1465 703"></div> <div data-bbox="244 703 1465 1263"></div> <div data-bbox="244 1263 1465 1355"><p>Site is relatively undeveloped, roads more pronounced. Some dams have been constructed. Enlarged areas of clearing has occurred to the west of Sandy Creek</p></div>

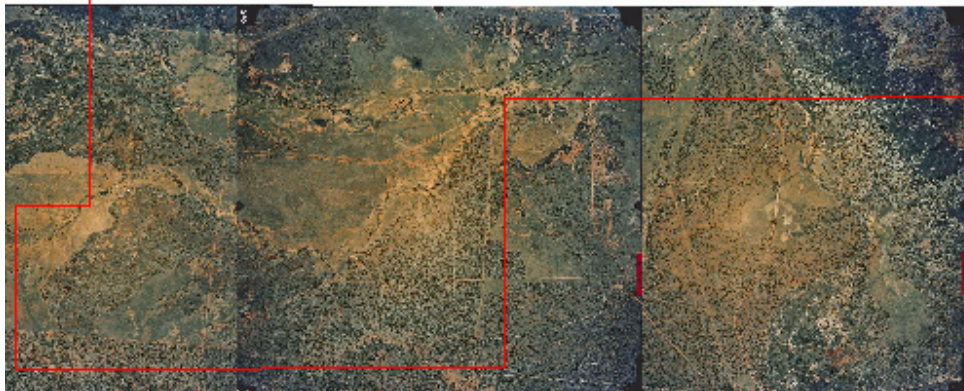


#### 4 Review of Historical Information

Year	Site Details
2001	
	<p>Sit is relatively undeveloped, roads more pronounced. Additional dams have been constructed. Enlarged areas of clearing has occurred to the west of Sandy Creek</p>



## 4 Review of Historical Information

Year	Site Details
2001	 <p>Additional clearing has taken place surrounding Little Sandy Creek, and south west of the Wendouree Airfield.</p>

### 4.2 DERM Priority Sites Register

A search of DERM's Environmental Management Register (EMR) and Contaminated Land Register (CLR) was carried out for the site. The results of the register search indicated no lots were listed on the EMR or CLR.

A copy of the extracts of the EMR and CLR for each land parcel is presented in **Appendix D**.



## Site Visit

### 5.1 Site Inspection

A visit to the Project site was conducted by a URS representative between 9 and 12 October 2010. The visit comprised a general site walkover (where access permitted) and visits to a number of locations of interest, identified during interviews and historical aerial photography review.

On 11 October 2010 an interview was conducted with Ross and Sandy McKeering (station owners/managers of Forrester), to discuss potential locations of interest. Interviews had previously been conducted by URS with the leaseholders of Wendouree, Hobartville, and Surbiton South. The leaseholder of Surbiton Station, Mr Sean Dillon, was not contacted during the URS site visit. Access to this property was restricted due to wet weather.

Locations of interest identified from site history reviews and the interviews carried out by URS previously and during this site visit were:

- Cattle yard on Wendouree;
- Water storage dams and associated pump infrastructure and fuel/oils;
- Wendouree airstrip; and
- Exploration activities in various locations throughout the Project site.

These locations were visited during the site inspection to determine what impacts to land, if any, could be identified.

No sampling was undertaken during the site visit.

### 5.2 Topography / Site Features

The topography of the main section of the Project site as described in **Section 3.4** was flat to rolling with some areas cleared of vegetation for grazing. A number of shallow creeks and drainage channels crossed the area.

Many dirt vehicle tracks were noted throughout the Project site from aerial photography. At the time of the site visit, the majority of the site was wet, and access was limited to accessible roads.

### 5.3 Buildings

The Project site, does not encompass any homesteads, however one large shed was noted on Wendouree Station, adjacent to the cattle yards. A Salva representative (Mr Donaldson) stated that this was likely to contain supplies and farming equipment. Access was not gained to this shed to verify its contents. The site of an old exploration core shed was located close to the Wendouree airstrip; however all that remained was a concrete pad. An abandoned farmer's hut was located on the boundary of Forrester and Cudmore Resources Reserve.

### 5.4 Chemical Use

URS was informed by the current leaseholders across the Project site did not generally use pesticides, tickicides, or other farm related chemicals. Minor use of a pesticide to treat Buffalo Fly (Sumifly) was noted at the Wendouree stockyard, and confirmed by the leaseholder. The active ingredient of this is Fenvalerate 200 g/L, liquid hydrocarbons 605.4 g/L as solvent.

URS was also informed that minor spraying for rubbervine and more occasionally parthynium took place between once and twice a year along the main creeks within the Project site. This is carried out



## 5 Site Visit

by Hancock/Salva and the chemicals used include Genfarm Muron 600 WG Herbicide mixed with AGRAL Spray Adjuvant. These are stored at the Alpha Camp, and relevant Material Safety Data Sheets (MSDS) are kept onsite by Hancock at the Alpha Camp.

### 5.5 Potential Areas of Interest

During the site reconnaissance, URS observed the previously identified potential areas of interest. These areas are shown on Figure 3

#### 5.5.1 Wendouree Stockyard

The stockyard located on Wendouree was identified from aerial photographs as being constructed between 1969 and 1980. The stockyard was well maintained and contained a series of holding yards and runs. A pneumatic crush (Plate 1) was located within the yard. No evidence of a dip was noted, however one bottle of “Sumifly” (a synthetic pyrethroid), used to treat buffalo fly was identified (Plate 2). The homestead owner confirmed minor usage to treat stock. This was generally applied as a backline spray. No other evidence of pesticides was noted at the stockyard during the visit.

A gas fired branding pit was identified within the stockyard. The gas canister appeared to be in good condition (Plate 3).

Some discarded drums were noted adjacent to the pneumatic crush, the 205 L drum was approximately half-full, and the container, although rusted appeared to be in sound condition (Plate 4). No evidence of soil staining was noted surrounding the drum.

Additional discarded drums were noted within the stockyard area. The drums were empty and the containers were too rusted to establish its prior contents. Plate 5 and Plate 6 illustrate these; however no evidence of staining was noted.

A petrol driven Honda pump was apparently used to transfer water from the adjacent dam to the stockyard troughs. The pump is in good condition, and well maintained and housed (Plate 7).

A large tin shed was located north of the stockyard, and was reported to contain farming supplies and equipment. Access to the shed was not gained during the site visit.

#### 5.5.2 Wendouree Airfield

The Wendouree airfield was identified from historical aerial photography as being constructed between 1969 and 1980. The airfield was reportedly built for use aircraft associated with exploration works. At the time of the site visit, the airfield was overgrown with vegetation; however, the improved gravel surface was evident. No fuel storage or buildings were identified in this location (see Plate 8).

#### 5.5.3 Stock watering areas

Numerous stock watering areas are located within the Project site. Many have been created by ‘pushing out’ existing soil to create a dam-like structure. Windmills are used to feed the water to adjacent tanks or to stock troughs.

The areas presented below were identified to contain areas of minor fuel or oil storage, associated with pumps and windmills used to transfer water to sustain livestock:



## 5 Site Visit

### *Wallaroo*

The Wallaroo Bore (ID 3 on Figure 3) was visited after discussion with the McKeerings. The Wallaroo bore was currently disused, however numerous drums of fuel/waste oil were noted at this site (Plate 9). Some evidence of minor staining was visible (Plate 10). Underneath the windmill, a discarded oil can was noted and an area of staining was visible, and it was considered likely that it had drained/leaked from the windmill infrastructure above (see Plate 11).

### *Middle Creek*

Middle Creek was the site of a 'turkey's nest' dam, with associated pump infrastructure (see Plate 12). The aboveground storage tank (estimated to be 500 L, with a hose leading to the location of the pump) was empty at the time of the visit and fuel was being pumped from the 205 L drum adjacent to the shed. Minor staining was visible on the ground and cement pad beneath the pump (Plate 13). Discarded rusted drums were also identified adjacent to this site (Plate 14).

#### 5.5.4 Defunct farming equipment

Generally, areas of defunct farming equipment were noted around the Project site. Where visited, no evidence of soil staining was noted on the ground.

### *Greentree Creek*

Greentree Creek was the site of a defunct windmill. At the time of the inspection it was noted that, fuel and oil storage containers had been discarded on the ground (Plates 15 through 17). Evidence of minor staining around these containers was noted.

### *Cudmore Hut*

An abandoned farmer's hut was located on the border of the Forrester and Cudmore Resources Reserve boundary. The small hut contained personal belongings although it appeared to have been abandoned many years ago. There was some metallic debris surrounding the hut, which may have been a defunct water tank). (Plate 18) and Plate 19)

#### 5.5.5 Mineral Exploration Activities

Exploration activities were not being undertaken at the Project site, due to adverse weather conditions. However, an exploration program was known to be active. The extent of drilling activities was unknown. URS did not investigate the potential for contamination from drilling and exploration activities being conducted on the site.

### *Old Coreshed*

A concrete slab was located east of the Wendouree Airstrip. A Salva representative (Mr Donaldson) stated that it previously housed an exploration drilling core shed. At the time of the site visit the concrete slab housed a solar powered mobile radio repeater station (Plate 20).

### *Hancock water bore*

One bore installed by Hancock was identified adjacent to Well Creek (Plate 21). The site was well maintained and minor fuel storage was present. However, no evidence of soil staining or spills was



## 5 Site Visit

noted. A Salva representative (Mr Donaldson) informed URS that the pump was only run when required (Plate 22).

### 5.5.6 Creeks

It was noted that spraying of the creeks for rubbervine and parthynium occur infrequently. The pesticides used were stored outside of the Project site (at the Alpha camp), and spray application is either via vehicle or helicopter where access is difficult. See **Section 5.4** for further details.

## 5.6 Sampling

Soil and groundwater sampling was not undertaken during this assessment as no significant unknown areas of potential contamination were identified. Minor areas of soil impact related to minor fuel storage and oil storage were not assessed at this time and should be assessed if these areas are disturbed in the future.



## Summary and Recommendations

### 6.1 Potential Areas of Concern

Review of historical aerial photographs, interviews with one leaseholder, review of title documents and visual inspections of the Project site indicate minor areas of contamination present within the Project site. The use of the land for low-intensity pastoral activities and the absence of farm buildings (and consequent lack of storage of chemicals) suggest that the area has few, if any, historical contamination sources or pathways.

Historical farming activities have had the potential for contamination through the use of petroleum products for fuel and lubrication. The location of the petroleum or oil storage activities due mostly to water storage, was observed and visual evidence indicates that some ground contamination is present.

While no stock dips were identified in the Project site, one stockyard and pneumatic crush was inspected. The current landholders indicated that minor use of some insecticides were used to treat buffalo fly. The potential for contamination of soils and groundwater through the historical use of pesticides and tickicides and their storage may remain, however the risk of this based on the site inspection is considered to be low.

Additionally, it was noted that minor use of pesticides has occurred along the creeklines, to attempt to control rubbervine and in some cases parthynium.

URS recommends that prior to disturbance/excavation; soils and possibly groundwater in areas of visual contamination are investigated by a suitably qualified person (as per Section 381 of the EP Act). Additionally, should soil staining or stock dip structures be encountered during any earthworks, work should be stopped in the area until assessment by a suitably qualified person has been undertaken. This investigation/assessment will assist to characterise the potential contamination and ascertain the extent and evaluate any potential risk to site users or the environment. Characterisation of the potentially impacted soils will allow for assessment of future management and disposal options, in accordance with the Department of Environment and Resource Management (DERM) *"Draft Guidelines for the Assessment and Management of Contaminated Land in Queensland"* (1998).



## References

Department of Resource and Environmental Management, (1998), *Draft Guidelines for the Assessment & Management of Contaminated Land in Queensland*. Department of Environment and Heritage.

Hancock Coal Pty Ltd (2010), *Environmental Impact Statement, Alpha Coal Project Volume 02, Section 04, Geology*

Queensland Government Natural Resources and Mines, Groundwater Database Search, August 2010.



## Limitations

### 8.1 Phase 1 Report Limitation Statements

#### 8.1.1 Conclusions and Recommendations

This report presents a Preliminary Site Assessment by URS to determine potential issues on site arising from land contamination that may have occurred through historical site uses.

A review of historical aerial photographs, title documents and government registers showed the Project site has been used for low-intensity pastoral farming for over 50 years, with little potential for contamination.

Interviews with land owners/users indicated that there were no potentially contaminating activities carried out on the site with the exception of minor fuel and waste oil storage associated with water storage. Minor insecticide use has been noted at the Wendouree Stockyard to assist in the control of Buffalo Fly.

The leases appeared generally well run and maintained with few minor potential sources of contamination arising from poor housekeeping of homestead owners.

URS recommends that prior to disturbance/excavation; soils and possibly groundwater in areas of visual contamination are investigated by a suitably qualified person (as per Section 381 of the EP Act). Additionally, should soil staining or stock dip structures be encountered during any earthworks, work should be stopped in the area until assessment by a suitably qualified person has been undertaken. This investigation/assessment will assist to characterise the potential contamination and ascertain the extent and evaluate any potential risk to site users or the environment. Characterisation of the potentially impacted soils will allow for assessment of future management and disposal options, in accordance with the Department of Environment and Resource Management (DERM) *"Draft Guidelines for the Assessment and Management of Contaminated Land in Queensland"* (1998).

This conclusion and all information in this Report is given strictly in accordance with and subject to the following limitations and recommendations:

- a) The Phase One Environmental Site Assessment undertaken to form this conclusion is limited to the scope of work agreed between URS and HGPL as outlined in Section 1.3 ("Scope of Works") of this Report.
- b) This Report has been prepared for the sole benefit of HGPL and neither the whole nor any part of this Report may be used or relied upon by any party other than HGPL.
- c) The investigations carried out for the purposes of the Report have been undertaken, and the Report has been prepared, in accordance with normal prudent practice and by reference to applicable environmental regulatory authority and industry standards, guidelines and assessment criteria in existence at the date of this Report.
- d) This Report should be read in full and no excerpts are to be taken as representative of the findings. No responsibility is accepted by URS for use of any part of this Report in any other context.
- e) This Report was prepared between November 2010 and February 2011 and is based on the conditions encountered on the site and information reviewed during the time of preparation. URS accepts no responsibility for any changes in site conditions or in the information reviewed that have occurred after this period of time.
- f) Where this Report indicates that information has been provided to URS by third parties, URS has made no independent verification of this information except as expressly stated in the Report.
- g) Given the limited Scope of Works, URS has only assessed the potential for contamination resulting from past and current known uses of the site.



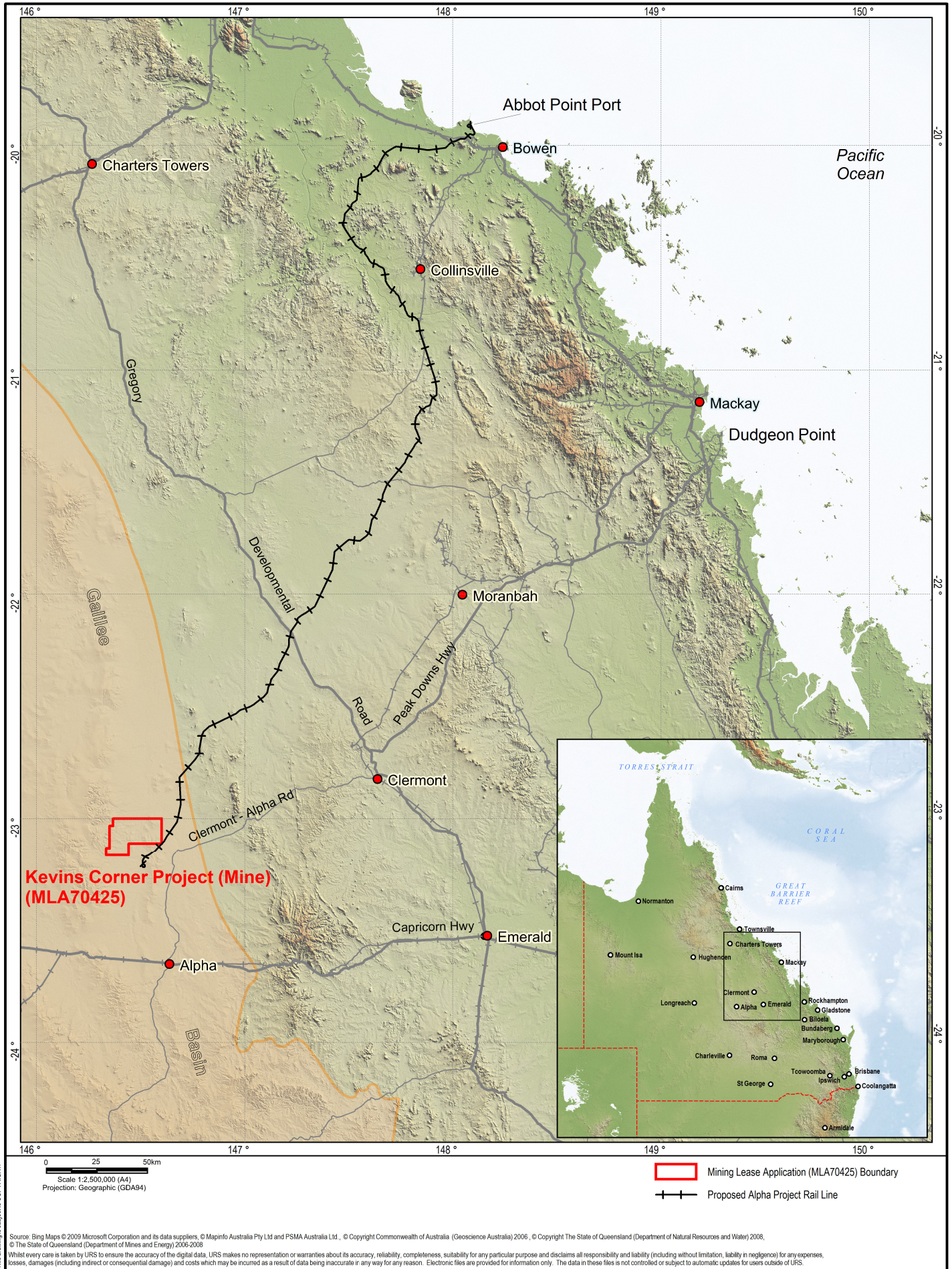
## 8 Limitations

- h) Inspections undertaken in respect of this Report are limited to visual inspections only and are constrained by the particular site conditions, such as the location of buildings, services and vegetation.
- i) No sampling or laboratory analysis has been undertaken by URS as part of this investigation. URS does not guarantee that contamination does not exist at the site.
- j) Except as otherwise specifically stated in this Report, URS makes no warranty or representation as to the presence or otherwise of asbestos and/or asbestos containing materials ("ACM") on the site. If fill has been imported on to the site at any time, or if any buildings constructed prior to 1970 have been demolished on the site or materials from such buildings disposed of on the site, the site may contain asbestos or ACM.
- k) No investigations have been undertaken into any off-site conditions, or whether any adjoining sites may have been impacted by contamination or other conditions originating from this site.
- l) The conclusion set out above is based solely on the information and findings contained in this Report.
- m) Except as specifically stated above, URS makes no warranty, statement or representation of any kind concerning the suitability of the site for any purpose or the permissibility of any use, development or re-development of the site.
- n) Use, development or re-development of the site for any purpose may require planning and other approvals and, in some cases, environmental regulatory authority and accredited site auditor approvals. URS offers no opinion as to whether the current use has any or all approvals required, is operating in accordance with any approvals, the likelihood of obtaining any approvals, or the conditions and obligations which such approvals may impose, which may include the requirement for additional environmental works.
- o) URS makes no determination or recommendation regarding a decision to provide or not to provide financing with respect to the site.
- p) The ongoing use of the site and/or use of the site for any different purpose may require the owner/user to manage and/or remediate site conditions, such as contamination and other conditions, including but not limited to conditions referred to in this Report.



## Figures



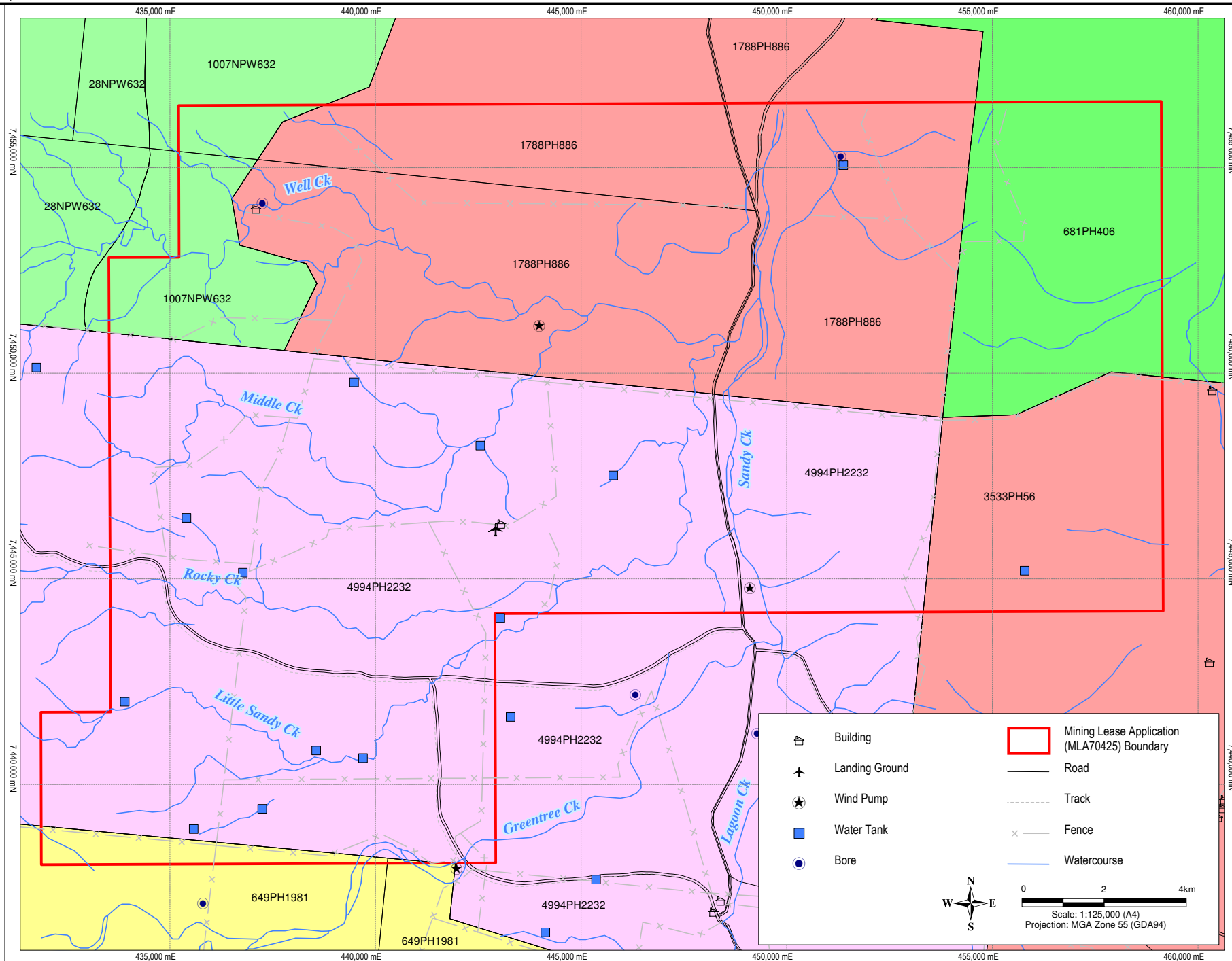






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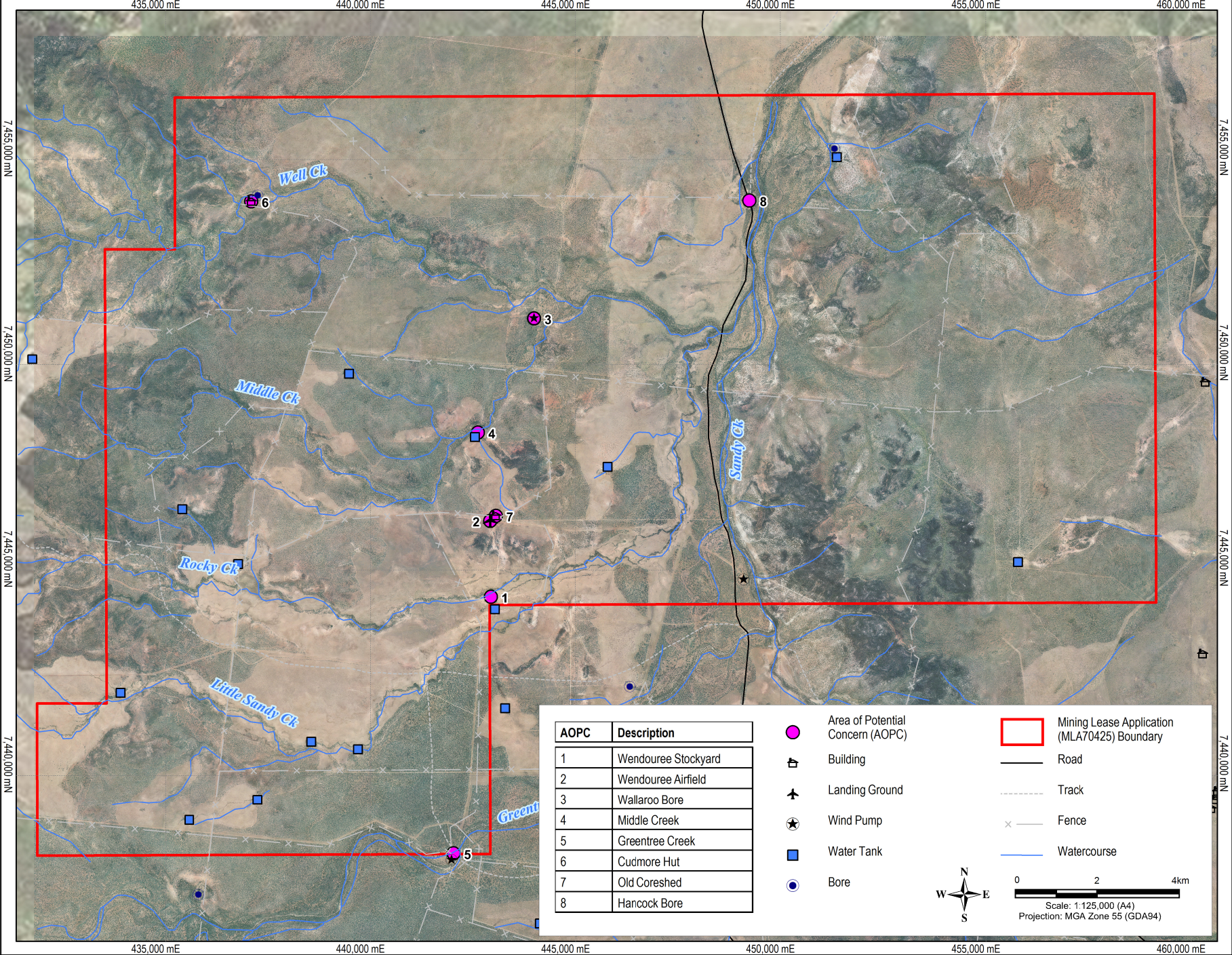
Kevin's Corner Project  
Environmental Impact Statement

#### | HANCOCK GALLILEE PTY LTD

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## Appendix A Site Photos



## Appendix A

Plate-1 Wendouree stockyard – pneumatic crush



Plate-2 Wendouree stockyard - "Sumifly" insecticide





## Appendix A

**Plate-3** Wendouree stockyard – gas fired branding pit





## Appendix A

**Plate-4**      **Wendouree stockyard – discarded drum**





## Appendix A

**Plate-5** Wendouree stockyard – discarded drum



**Plate-6** Wendouree stockyard – discarded drum





## Appendix A

**Plate-7**      **Wendouree stockyard – water pump**





## Appendix A

**Plate-8**      **Wendouree airfield**





## Appendix A

**Plate-9**      **Wallaroo bore – drum storage**





## Appendix A

**Plate-10** Wallaroo bore – drum storage, staining





## Appendix A

**Plate-11** Wallaroo bore – waste oil staining





## Appendix A

**Plate-12** Middle Creek - water pump and fuel storage





## Appendix A

**Plate-13** Middle Creek – fuel storage and minor staining





## Appendix A

**Plate-14**      **Middle Creek – discarded drums**





## Appendix A

**Plate-15**      **Greentree Creek – Discarded fuel and oil storage**





## Appendix A

**Plate-16**      **Greentree Creek – Defunct water tank**





## Appendix A

**Plate-17**      **Greentree Creek – Old Windmill**





## Appendix A

**Plate-18**      **Cudmore Hut**



**Plate-19**      **Cudmore Hut – debris**





## Appendix A

**Plate-20**      **Old Coreshed Site - presently used to site a mobile radio repeater station**



**Plate-21**      **Well Creek / Hancock Bore**





## Appendix A

**Plate-22**      **Well Creek / Hancock Bore - water pump**





## Appendix B Certificates of Title



# CURRENT STATE TENURE SEARCH

ENVIRONMENT AND RESOURCE MANAGEMENT, QUEENSLAND

Request No: 7802515

Search Date: 22/10/2009 15:27

Title Reference: 17665180

Date Created: 21/10/1995

## DESCRIPTION OF LAND

Tenure Reference: PH 12/649

LOT 649 CROWN PLAN PH1981  
County of BEAUFORT Parish of GREENTREE  
County of BEAUFORT Parish of PAIYENNA  
Local Government: BARCALDINE

Area: 56202.800000 Ha. (SURVEYED)

No Land Description

No Forestry Entitlement Area

Purpose for which granted:  
NO PURPOSE DEFINED

## TERM OF LEASE

Term and day of beginning of lease

Term: 63 years commencing on 01/10/1961

Expiring on 30/09/2024

## REGISTERED LESSEE

THE BARCALDINE DOWNS PASTORAL COY. PTY. LIMITED  
A.C.N. 009 658 717

## CONDITIONS

- M76 The lessee shall maintain, during the term of the lease, the part or parts of the holding on which trees were previously destroyed in the improvement of the land, free from all suckers and undergrowth as well as all seedling growth in respect of which a Permit to Destroy is not required.
- M76 The lessee shall, within three years from the commencement of the lease, and to the satisfaction of the Minister, provide one additional permanent water facility on the western side of the holding to water that part of the holding outside the netting.
- M76 The lessee shall maintain the existing marsupial netting fences on the holding marsupial-proof during the term of the lease.



# CURRENT STATE TENURE SEARCH

ENVIRONMENT AND RESOURCE MANAGEMENT, QUEENSLAND

Request No: 7802515

Search Date: 22/10/2009 15:27

Title Reference: 17665180

Date Created: 21/10/1995

## CONDITIONS

- M76 The lessee shall, during the whole term of the lease, maintain all other improvements on the holding existing at the commencement thereof, together with the improvements effected in compliance with condition (3) hereof, in a good and substantial state of repair.
- M77 The lessee shall, within a period of five years from the commencement of the term of the lease and to the satisfaction of the Minister, destroy by ringbarking or otherwise in accordance with a Permit granted by the Land Commissioner, trees on an area of not less than 10,000 acres of the holding, in equal proportions during each year of such period, and shall thereafter maintain such area free from all regrowth, suckers and undergrowth.
- The lessee shall, within one month after the commencement of the term of the lease, apply to the Land Commissioner for a Permit to Destroy Trees on the holding, so that performance of this condition can be undertaken.

## ENCUMBRANCES

1. RESUMPTION EASEMENT No 602805515 (R1013) 17/04/1986  
EASEMENT PURSUANT TO PROCLAMATION DATED 13TH FEBRUARY, 1986  
UNDER SECTION 306 OF THE LAND ACT 1962 - 1985 OVER AN AREA  
6.792 HECTARES AS SHOWN AS EASEMENT A ON PLAN BF. 62  
DEPOSITED IN THE DEPARTMENT OF MAPPING AND SURVEYING FOR THE  
PURPOSE OF ELECTRICAL WORKS (TRANSMISSION LINE) IS HEREBY  
RESUMED AND SHALL VEST IN THE  
QUEENSLAND ELECTRICITY COMMISSION  
AS FROM 15TH FEBRUARY, 1986.
2. TRANSFER No 703437134 07/07/1999 at 08:08  
RESUMPTION EASEMENT: 602805515 (R1013)  
QUEENSLAND ELECTRICITY TRANSMISSION CORPORATION LIMITED  
A.C.N. 078 849 233

## ADMINISTRATIVE ADVICES

Dealing	Type	Lodgement Date	Status
711339387	VEG NOTICE	11/01/2008 16:23	CURRENT
VEGETATION MANAGEMENT ACT 1999			

UNREGISTERED DEALINGS - NIL



## **CURRENT STATE TENURE SEARCH**

**ENVIRONMENT AND RESOURCE MANAGEMENT, QUEENSLAND**

Request No: 7802515

Search Date: 22/10/2009 15:27

**Title Reference: 17665180**

Date Created: 21/10/1995

Caution - Charges do not necessarily appear in order of priority

**\*\* End of Current State Tenure Search \*\***

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Requested By: SMIS .



# CURRENT STATE TENURE SEARCH

ENVIRONMENT AND RESOURCE MANAGEMENT, QUEENSLAND

Request No: 7802480

Search Date: 22/10/2009 15:26

Title Reference: 17665184

Date Created: 21/10/1995

## DESCRIPTION OF LAND

Tenure Reference: PH 12/681

LOT 681 CROWN PLAN PH406  
County of DRURY Parish of ALBRO  
County of BEAUFORT Parish of SURBITON  
Local Government: BARCALDINE  
Local Government: ISAAC

Area: 20720.000000 Ha. (SURVEYED)

No Land Description

No Forestry Entitlement Area

Purpose for which granted:  
NO PURPOSE DEFINED

## TERM OF LEASE

Term and day of beginning of lease

Term: 53 years commencing on 01/07/1964

Expiring on 30/06/2017

## REGISTERED LESSEE

Interest

Dealing No: 712334838 09/04/2009

ELSIE MAY DILLON	8/15
SEAN MICHEAL DILLON	7/30
TENEILLE KATE DILLON	7/30

AS TENANTS IN COMMON

## CONDITIONS

M76 The lessee shall maintain, during the term of the lease, the part or parts of the holding on which trees were previously destroyed in the improvement of the land, free from all suckers and undergrowth as well as all seedling growth in respect of which a Permit to Destroy is not required.



# CURRENT STATE TENURE SEARCH

## ENVIRONMENT AND RESOURCE MANAGEMENT, QUEENSLAND

Request No: 7802480

Search Date: 22/10/2009 15:26

Title Reference: 17665184

Date Created: 21/10/1995

### CONDITIONS

- M76 The lessee shall, within a period of three years from the date of the commencement of the lease, and to the satisfaction of the Minister, destroy by ringbarking or otherwise in accordance with a Permit granted by the Land Commissioner, gidgee scrub on an area of not less than 3,000 acres of the holding, in equal proportions during each year of such period, and shall thereafter maintain such area free from all regrowth, suckers, and undergrowth.
- M76 The lessee shall, within three years from the date of the commencement of the lease and to the satisfaction of the Minister, provide two additional permanent water facilities on the holding.
- M76 The lessee shall maintain the existing marsupial netting fences on the holding marsupial-proof during the term of the lease.
- M76 The lessee shall, during the whole term of the lease, maintain all improvements on the holding existing at the commencement thereof, together with the improvements effected in compliance with condition (3) hereof, in a good and substantial state of repair.

### ENCUMBRANCES

1. MORTGAGE No 712385847 06/05/2009 at 10:24  
RABOBANK AUSTRALIA LIMITED A.C.N. 001 621 129
2. AMENDMENT OF LEASE CONDITIONS No 712520887 21/06/2009 at 14:14  
THE CONDITIONS OF THE WITHIN TENURE ARE HEREBY AMENDED.

### ADMINISTRATIVE ADVICES

Dealing	Type	Lodgement Date	Status
711198957	VEG NOTICE	21/11/2007 08:13	CURRENT
VEGETATION MANAGEMENT ACT 1999			

UNREGISTERED DEALINGS - NIL

Caution - Charges do not necessarily appear in order of priority

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Requested By: SMIS .



# **CURRENT STATE TENURE SEARCH**

**ENVIRONMENT AND RESOURCE MANAGEMENT, QUEENSLAND**

Request No: 7821535

Search Date: 26/10/2009 13:39

Title Reference: 47532006

Date Created: 28/02/2007

Opening Ref:

Purpose: RESOURCE RESERVE

Local Name: CUDMORE RESOURCES RESERVE

## **OWNER**

NATURE CONSERVATION CHIEF EXECUTIVE AND MINING CHIEF  
EXECUTIVE AS TRUSTEE FOR THE STATE OF QUEENSLAND  
(REPRESENTED BY ENVIRONMENTAL PROTECTION AGENCY)

## **ESTATE**

Estate in Protected Area Estate

LOT 1007 CROWN PLAN NPW632

County of BEAUFORT

Parish of CUDMORE

Area: 6900.000000 Ha. (ABOUT)

## **EASEMENTS AND ENCUMBRANCES ENCUMBRANCES**

**ADMINISTRATIVE ADVICES - NIL**

**UNREGISTERED DEALINGS - NIL**

**CERTIFICATE OF TITLE ISSUED - No**

**\*\* End of Current State Tenure Search \*\***

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Requested By: External Supervisor



## CURRENT STATE TENURE SEARCH

ENVIRONMENT AND RESOURCE MANAGEMENT, QUEENSLAND

Request No: 7802469

Search Date: 22/10/2009 15:25

Title Reference: 17667081

Date Created: 21/10/1995

### DESCRIPTION OF LAND

Tenure Reference: PH 12/1788

LOT 1788 CROWN PLAN PH886

County of BEAUFORT

Parish of FORRESTER

Local Government: BARCALDINE

Area: 42475.900000 Ha. (SURVEYED)

No Land Description

No Forestry Entitlement Area

Purpose for which granted:

NO PURPOSE DEFINED

### TERM OF LEASE

Term and day of beginning of lease

Term: 45 years commencing on 01/10/1972

Expiring on 30/09/2017

### REGISTERED LESSEE

Interest

PETER JOSEPH MCKEERING

1/2

IRENE MARIA MCKEERING

1/2

AS TENANTS IN COMMON

### CONDITIONS



# CURRENT STATE TENURE SEARCH

ENVIRONMENT AND RESOURCE MANAGEMENT, QUEENSLAND

Request No: 7802469

Search Date: 22/10/2009 15:25

Title Reference: 17667081

Date Created: 21/10/1995

## CONDITIONS

L115 The lessee must, during the term of the lease and to the satisfaction of the Minister administering the Land Act 1994, manage the leased land in accordance with sustainable land management principles and practices which have due regard to the prevailing seasonal conditions and achieve the progressive improvement of the condition of both the leased land and the pasture thereon, having regard to the maximum sustainable capabilities of the leased land. If, after considering relevant information concerning the condition of the lease, the said Minister considers that the rate of improvement and/or maintenance of the land or pasture condition is not satisfactory, the said Minister may, in consultation with the lessee, nominate a long term carrying capacity, as developed within the relevant region, for the leased land. This long term carrying capacity will be deemed to be a condition of lease. The said Minister or the lessee may, in accordance with the Land Act 1994, initiate a review of the nominated long term carrying capacity. To make this condition clear, the words "long term carrying capacity" refer to the total number of animals which may be safely carried on a property in the long term without deterioration of the land or pasture condition occurring. This long term carrying capacity must not prevent the use of short term stocking rates which may reasonably vary from the nominated figure depending on prevailing seasonal conditions and do not cause deterioration of the land or pasture condition.

M76 Maintain all improvements in a good and substantial state of repair.

M542 The lessee has executed a letter of offer with the Queensland Rural Adjustment Authority, acknowledging the provision of financial assistance relating to the structural adjustment component under the Desert Uplands Community Scheme 1998 - 2004. Unless previously cancelled with the approval of both parties, the commitments in the letter of offer will apply for 3 years from 21 November 2000.

## ENCUMBRANCES

1. MORTGAGE No 602805723 (M218376) 01/02/1989  
COMMONWEALTH BANK OF AUSTRALIA
2. AMENDMENT OF LEASE CONDITIONS No 712521200 21/06/2009 at 14:15  
THE CONDITIONS OF THE WITHIN TENURE ARE HEREBY AMENDED.

## ADMINISTRATIVE ADVICES

Dealing	Type	Lodgement Date	Status
708813375	VEG NOTICE	12/07/2005 09:51	CURRENT
	VEGETATION MANAGEMENT ACT 1999		
712554106	VEG NOTICE	26/06/2009 16:07	CURRENT



## CURRENT STATE TENURE SEARCH

ENVIRONMENT AND RESOURCE MANAGEMENT, QUEENSLAND

Request No: 7802469

Search Date: 22/10/2009 15:25

Title Reference: 17667081

Date Created: 21/10/1995

### ADMINISTRATIVE ADVICES (Continued)

Dealing	Type	Lodgement Date	Status
	VEGETATION MANAGEMENT ACT 1999		
UNREGISTERED DEALINGS - NIL			

Caution - Charges do not necessarily appear in order of priority

\*\* End of Current State Tenure Search \*\*

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# CURRENT STATE TENURE SEARCH

## ENVIRONMENT AND RESOURCE MANAGEMENT, QUEENSLAND

Request No: 7802488

Search Date: 22/10/2009 15:26

Title Reference: 17665208

Date Created: 21/10/1995

### DESCRIPTION OF LAND

Tenure Reference: PH 12/3533

LOT 3533 CROWN PLAN PH56  
County of BEAUFORT Parish of SURBITON  
Local Government: BARCOLDINE

Area: 19166.000000 Ha. (SURVEYED)

No Land Description

No Forestry Entitlement Area

Purpose for which granted:  
NO PURPOSE DEFINED

### TERM OF LEASE

Term and day of beginning of lease

Term: 53 years commencing on 01/07/1964

Expiring on 30/06/2017

### REGISTERED LESSEE

Dealing No: 711143921 01/11/2007

ANDREW CHARLES ROBERT DONALDSON  
DONNA LEE DONALDSON JOINT TENANTS

### CONDITIONS

F46 The lessee must and to the satisfaction of the Minister administering the Land Act 1994, fence the leased land, with a good and substantial stock proof fence and maintain thereafter in a good and substantial state of repair.

M76 The lessee shall, during the whole term of the lease, maintain all other improvements on the holding existing at the commencement thereof in a good and substantial state of repair.



## CURRENT STATE TENURE SEARCH

ENVIRONMENT AND RESOURCE MANAGEMENT, QUEENSLAND

Request No: 7802488

Search Date: 22/10/2009 15:26

Title Reference: 17665208

Date Created: 21/10/1995

### ENCUMBRANCES

1. MORTGAGE No 711143935 01/11/2007 at 15:52  
SUNCORP-METWAY LTD A.B.N. 66 010 831 722
2. COVENANT No 711143941 01/11/2007 at 15:53  
restricts dealings over  
LOT 3 ON BF27 AND LOT 3533 ON PH56
3. AMENDMENT OF LEASE CONDITIONS No 712686250 26/08/2009 at 05:00  
THE CONDITIONS OF THE WITHIN TENURE ARE HEREBY AMENDED.

### ADMINISTRATIVE ADVICES

Dealing	Type	Lodgement Date	Status
708974760	VEG NOTICE	14/09/2005 10:16	CURRENT
	VEGETATION MANAGEMENT ACT 1999		

UNREGISTERED DEALINGS - NIL

Caution - Charges do not necessarily appear in order of priority

\*\* End of Current State Tenure Search \*\*

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# CURRENT STATE TENURE SEARCH

ENVIRONMENT AND RESOURCE MANAGEMENT, QUEENSLAND

Request No: 7802460

Search Date: 22/10/2009 15:25

Title Reference: 17665219

Date Created: 21/10/1995

## DESCRIPTION OF LAND

Tenure Reference: PPH 12/4994

LOT 4994 CROWN PLAN PH2232

County of BEAUFORT

Parish of CHARLEMONT

Local Government: BARCALDINE

Area: 38849.900000 Ha. (SURVEYED)

No Land Description

No Forestry Entitlement Area

Purpose for which granted:

NO PURPOSE DEFINED

## TERM OF LEASE

Term and day of beginning of lease

Term: 63 years commencing on 01/10/1963

Expiring on 30/09/2026

## REGISTERED LESSEE

MERVYN ANGUS CARRUTHERS

## CONDITIONS

- M76 The holding shall be stocked to its reasonable carrying capacity with the lessee's own sheep or cattle or both sheep and cattle within a period of three years from the date of the commencement of the lease and shall thereafter be used for producing wool or cattle or both wool and cattle.
- M76 The lessee shall, within two years from the date of the commencement of the lease and to the satisfaction of the Minister, provide a new set of drafting yards on the holding.
- M76 The lessee shall, during the whole term of the lease, maintain all improvements on the holding existing at the commencement thereof, together with the improvements effected in compliance with condition (2) hereof, in a good and substantial state of repair.



## **CURRENT STATE TENURE SEARCH**

**ENVIRONMENT AND RESOURCE MANAGEMENT, QUEENSLAND**

Request No: 7802460

Search Date: 22/10/2009 15:25

**Title Reference: 17665219**

Date Created: 21/10/1995

### **ENCUMBRANCES**

1. MORTGAGE No 602805544 (M156601) 16/12/1968  
COMMONWEALTH TRADING BANK OF AUSTRALIA
2. MORTGAGE No 602805545 (M179500) 28/01/1976  
RURAL RECONSTRUCTION BOARD

**ADMINISTRATIVE ADVICES - NIL**

**UNREGISTERED DEALINGS - NIL**

Caution - Charges do not necessarily appear in order of priority

**\*\* End of Current State Tenure Search \*\***

Information provided under section 34 Land Title Act(1994) or  
section 281 Land Act(1994)

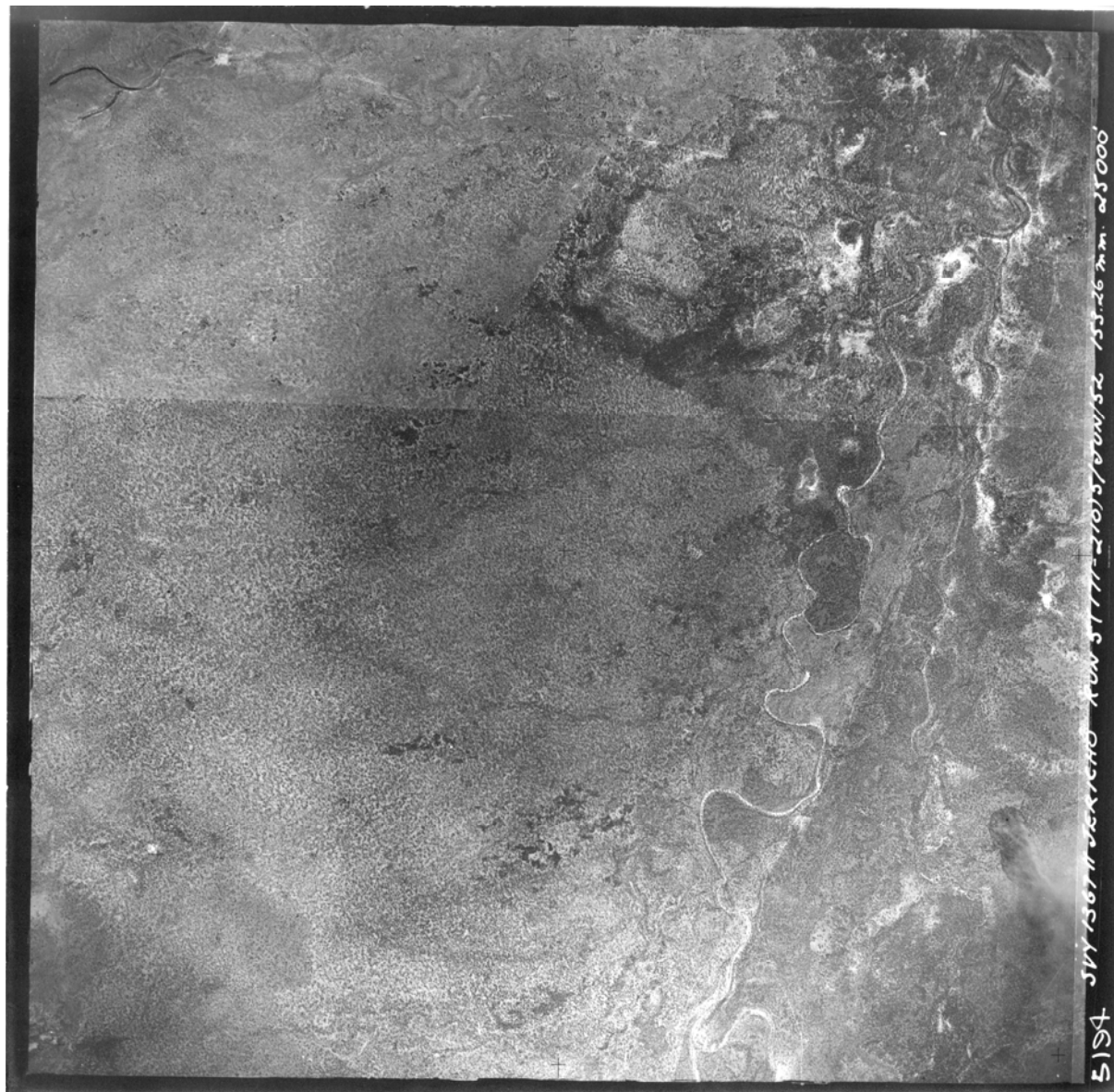
COPYRIGHT THE STATE OF QUEENSLAND (ENVIRONMENT AND RESOURCE MANAGEMENT) [2009]  
Requested By: SMIS .



## Appendix C Aerial Photography

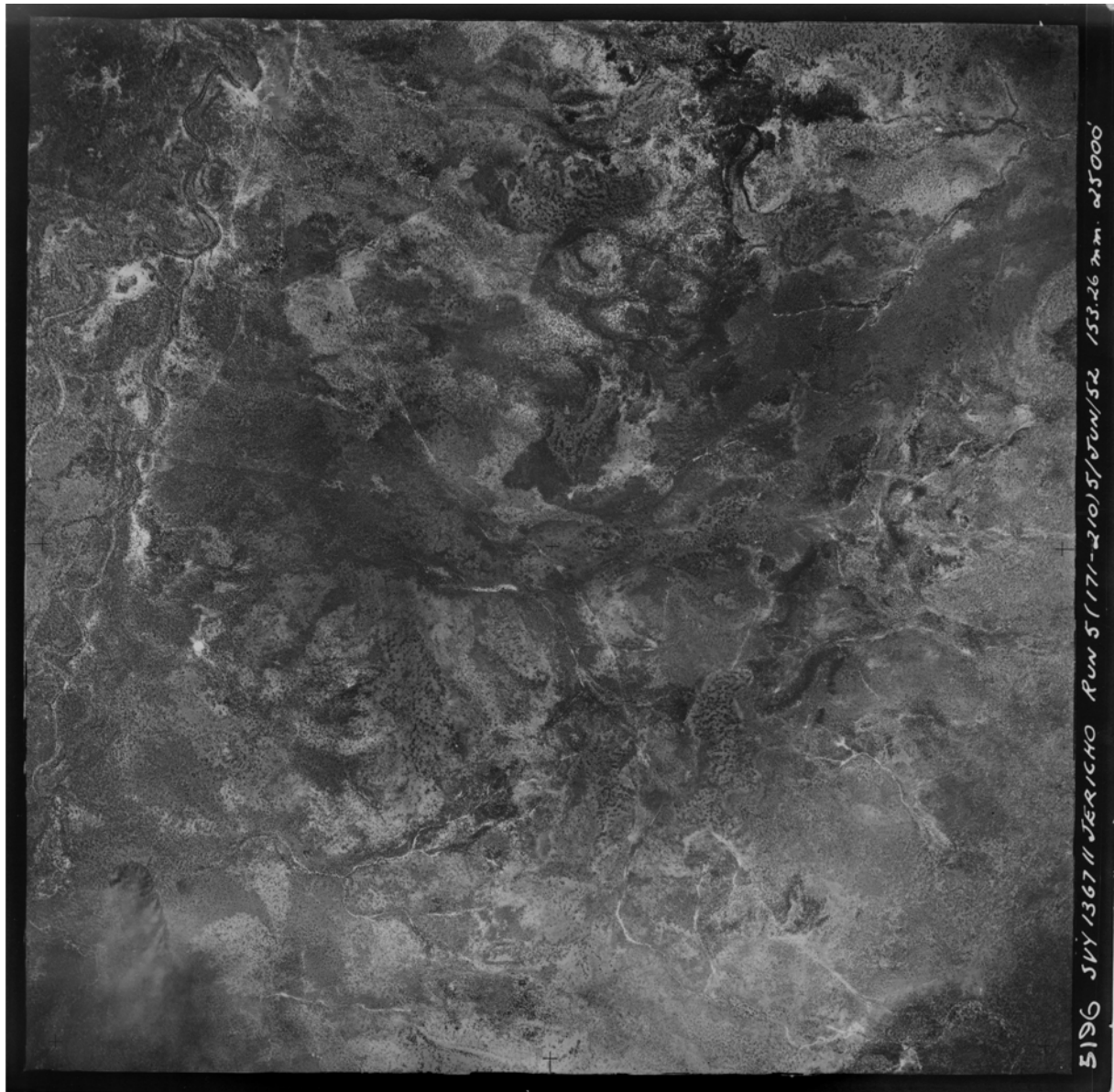


## C.1 1952



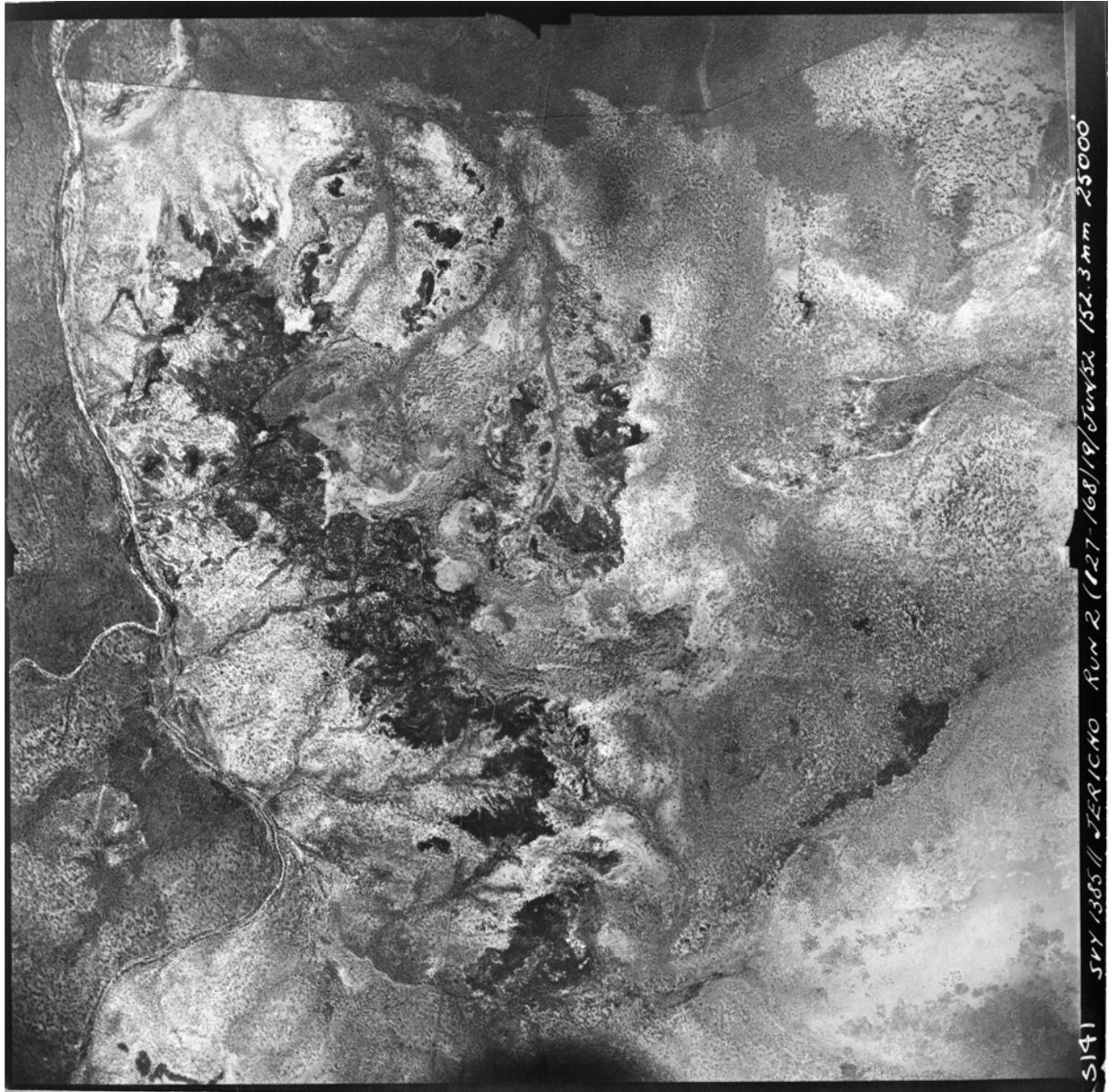


## Appendix C



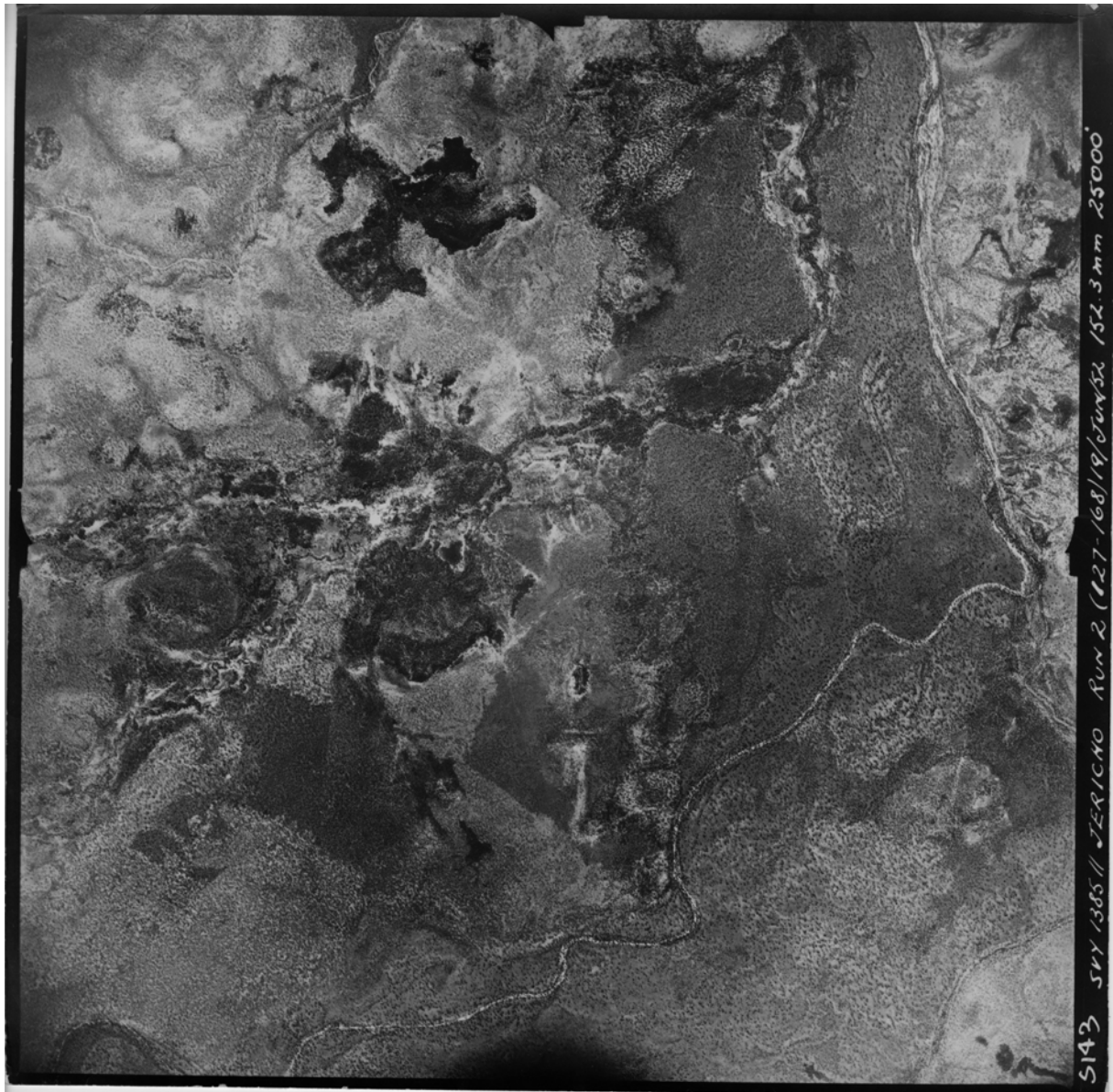


## Appendix C



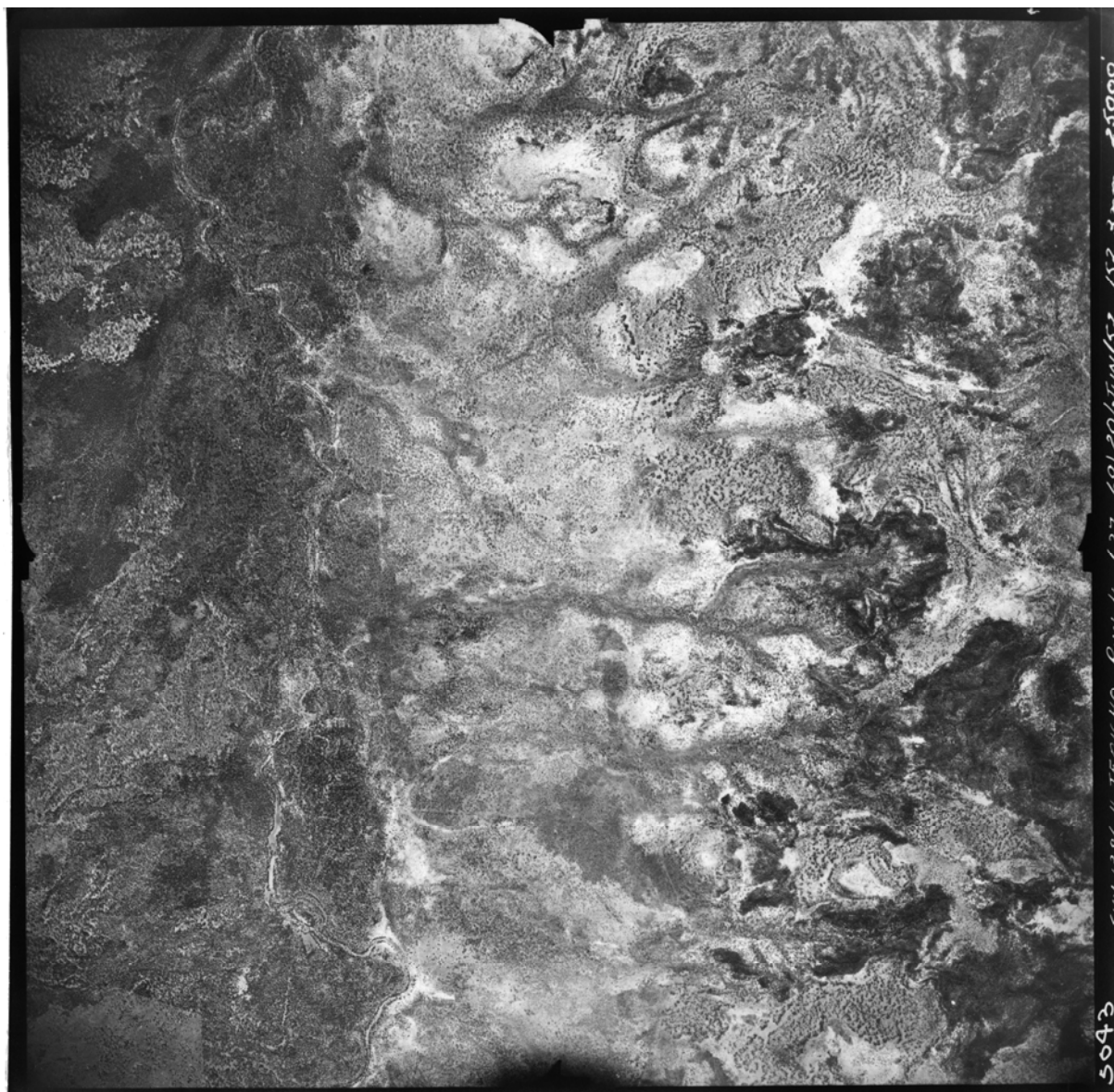


## Appendix C





## Appendix C



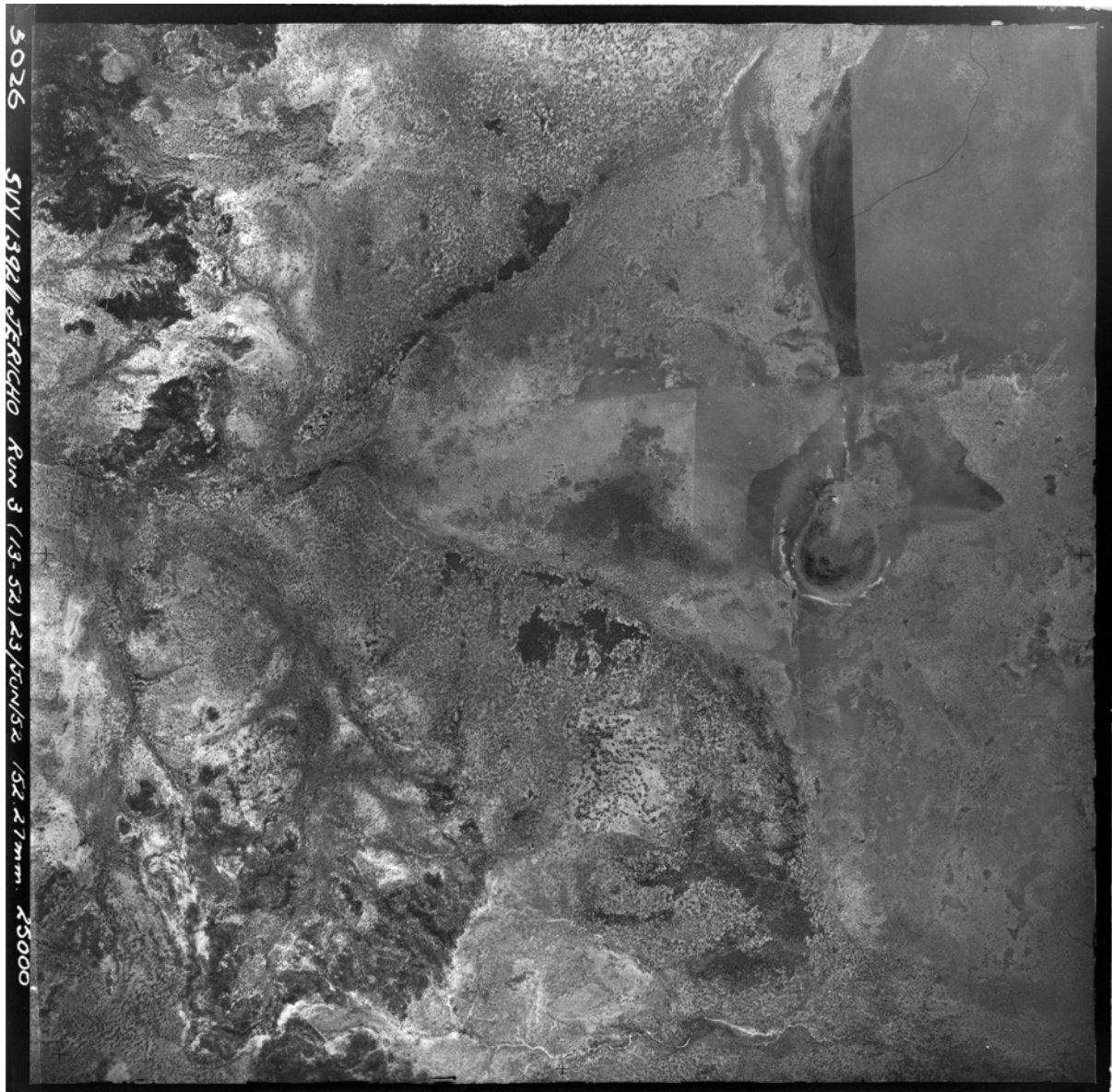


## Appendix C



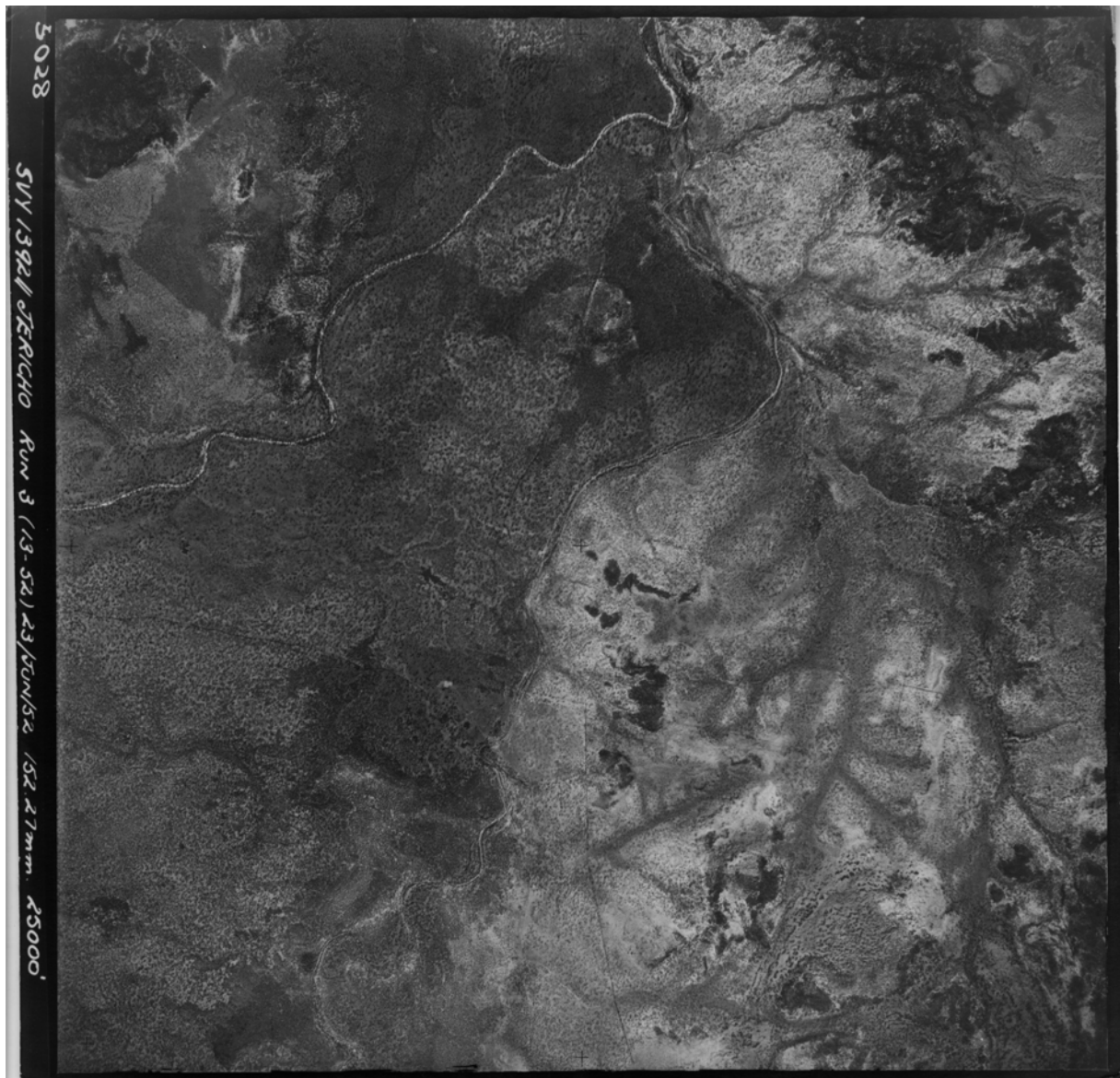


## Appendix C



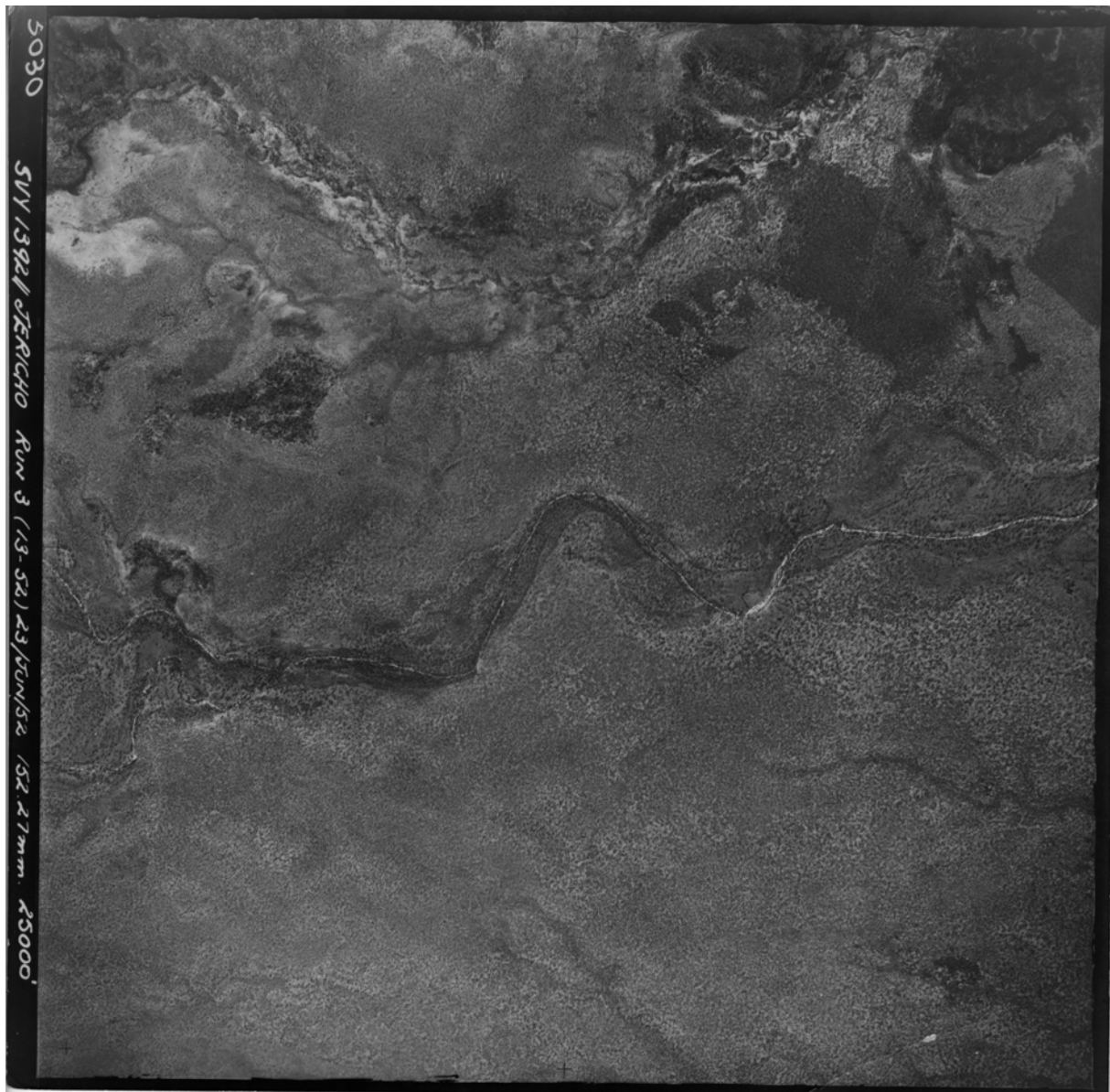


## Appendix C



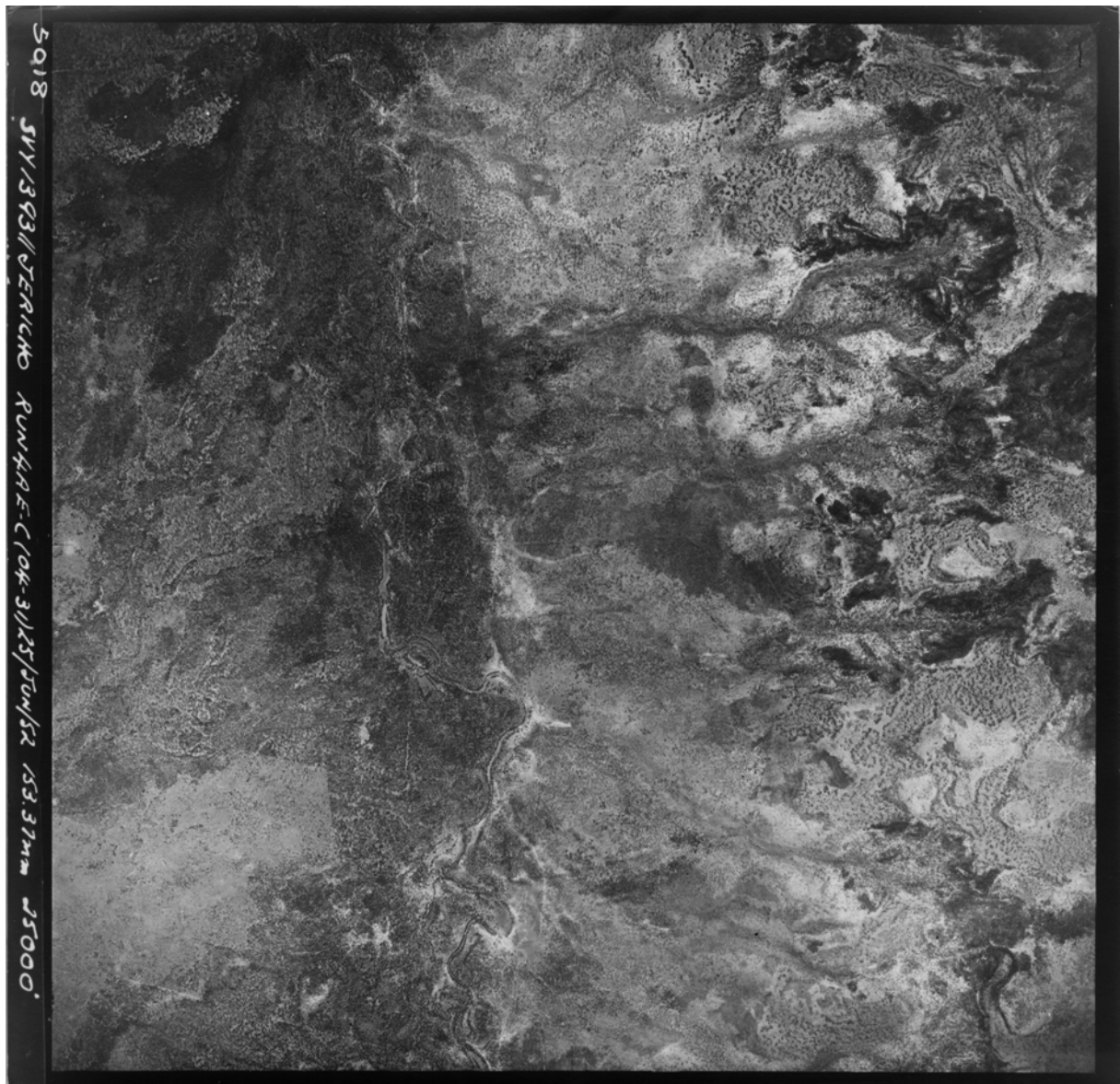


## Appendix C





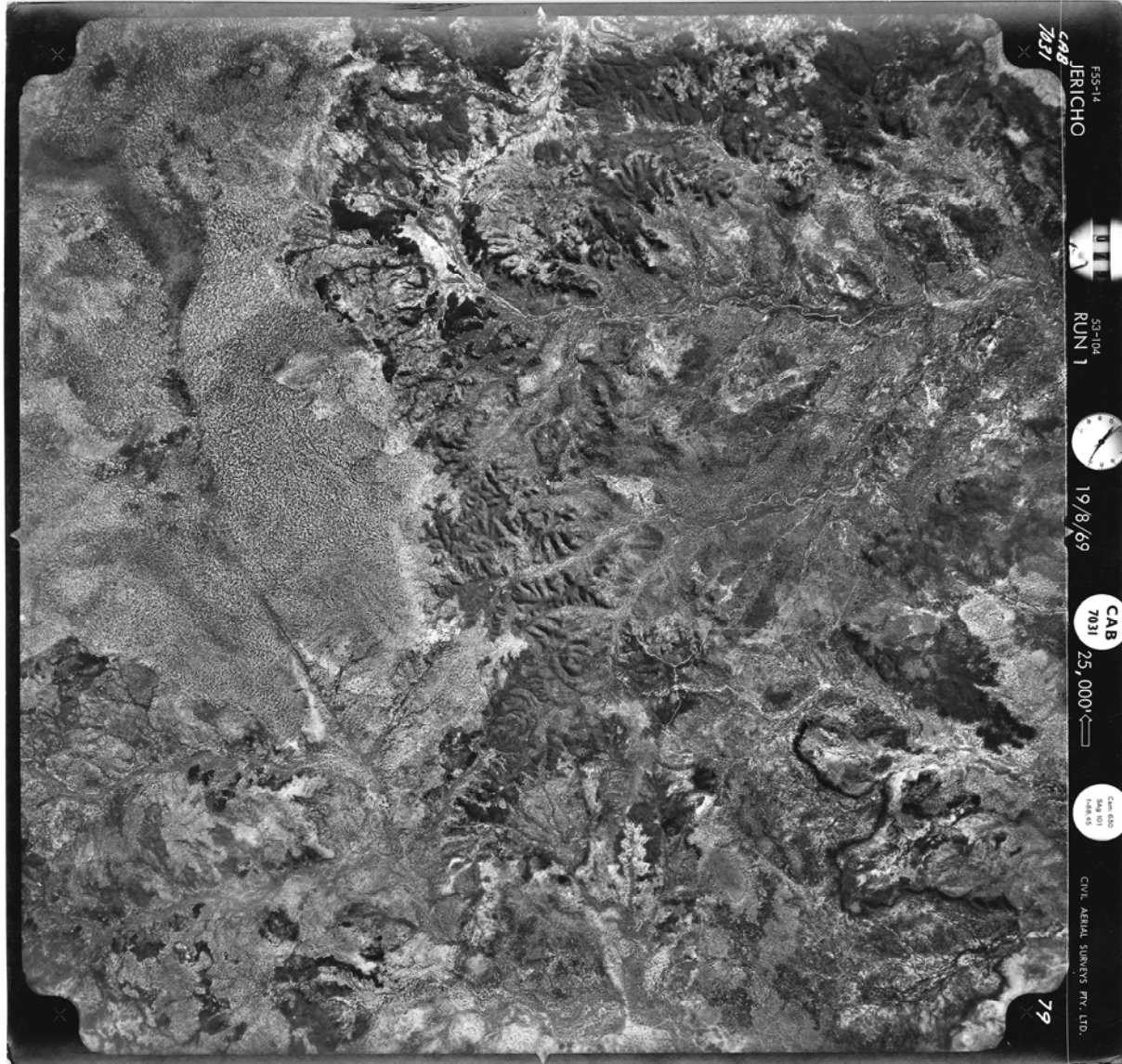
## Appendix C





## Appendix C

### C.2 1969

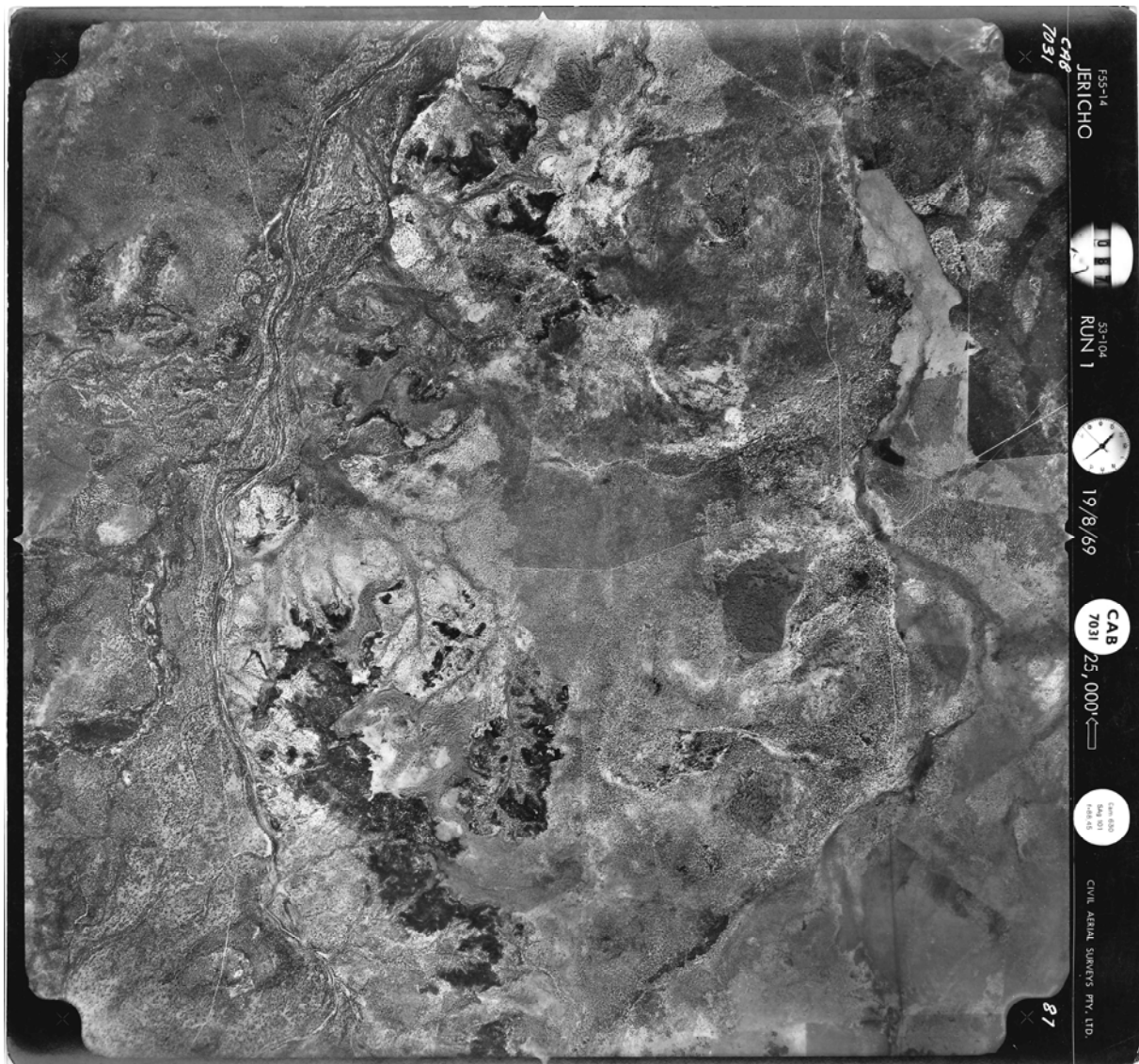






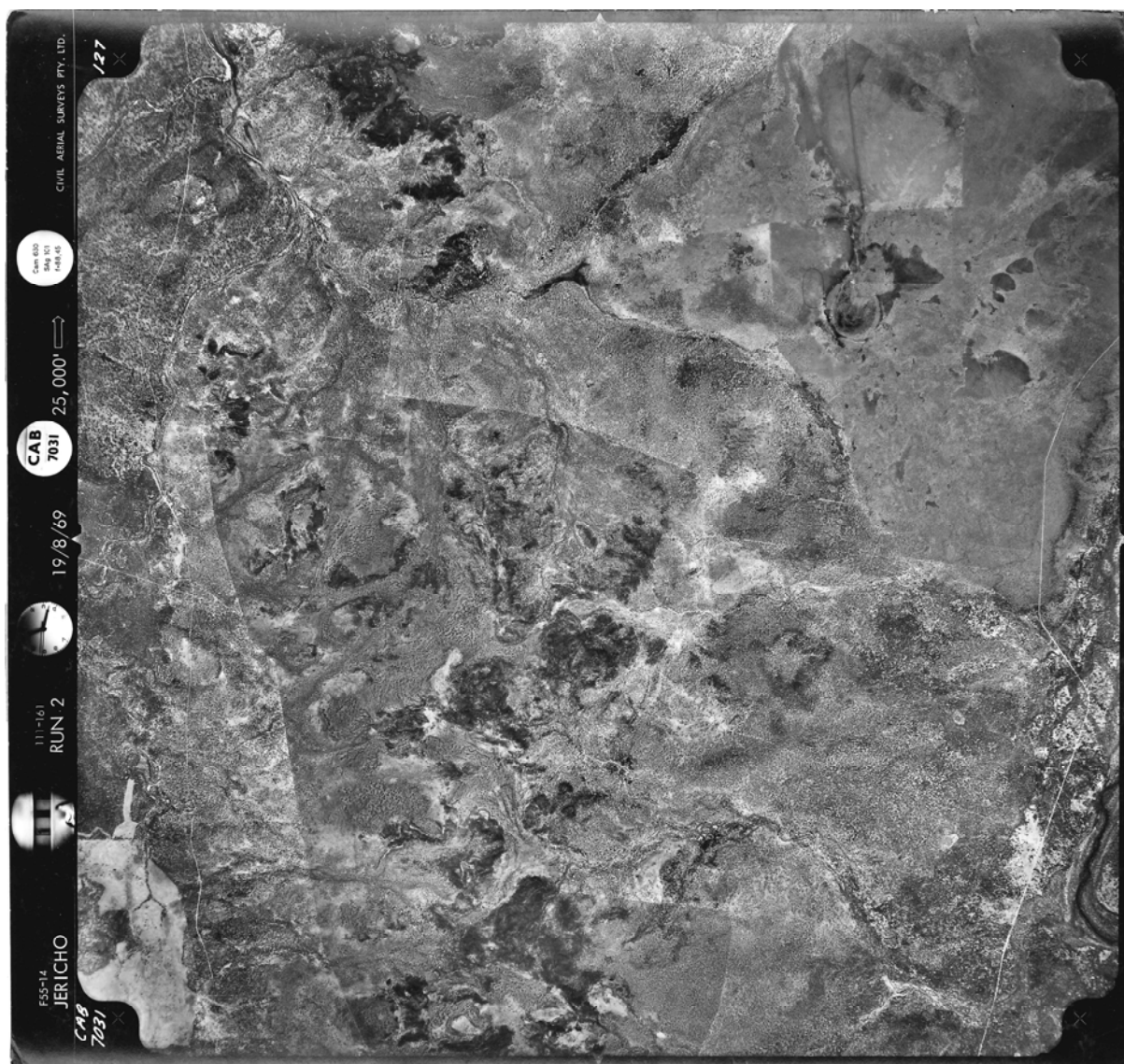


## Appendix C



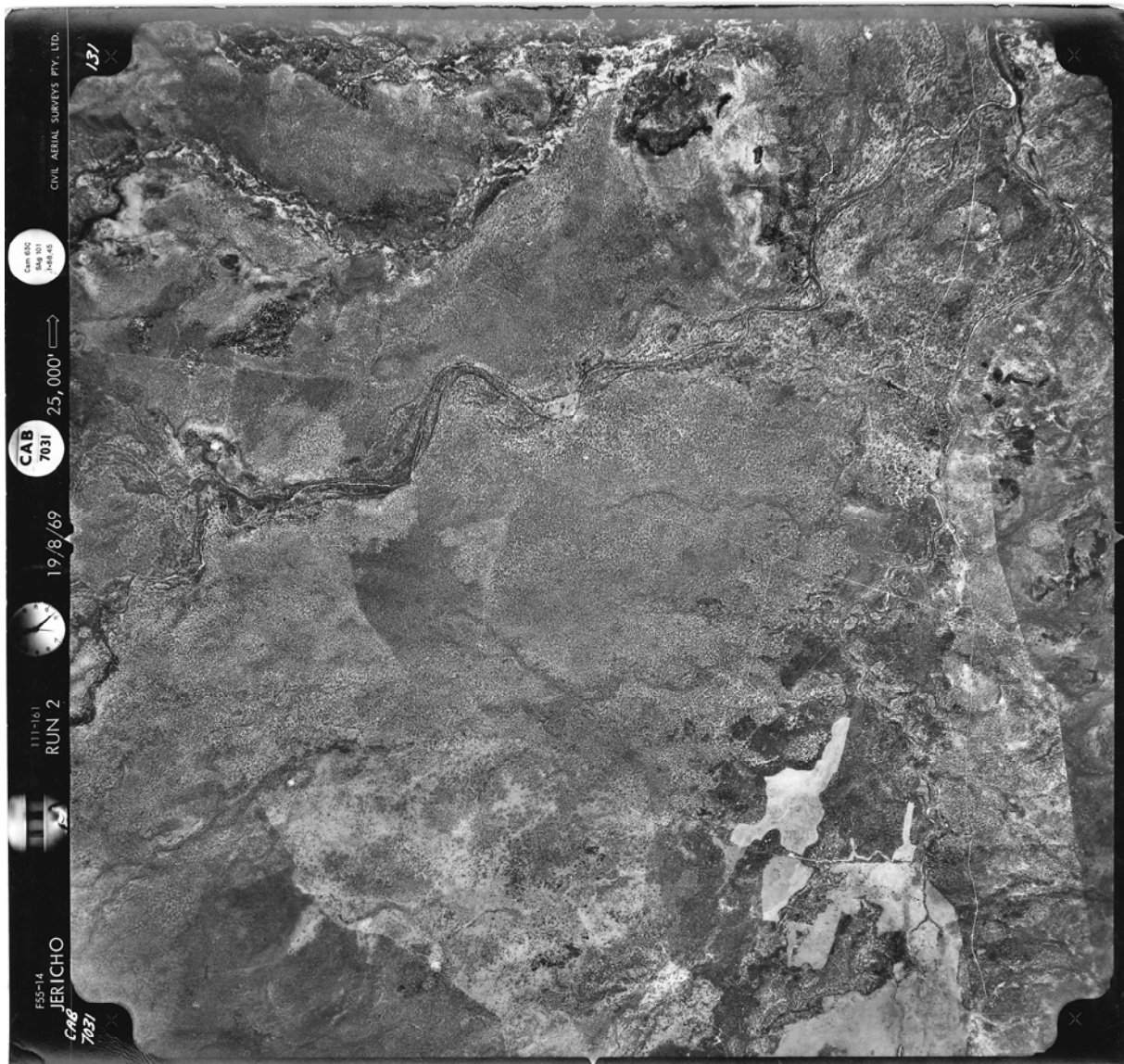


## Appendix C



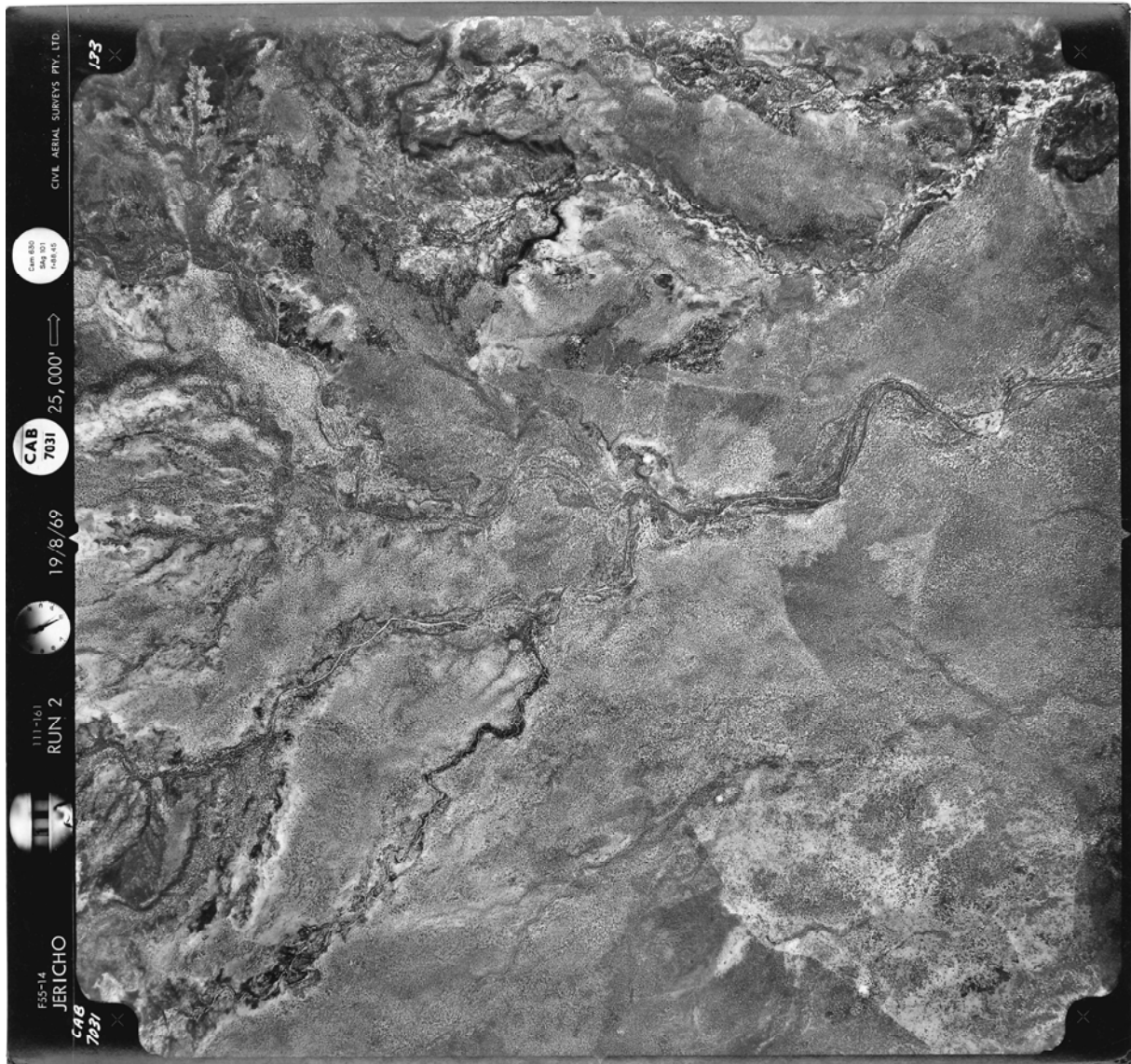


## Appendix C





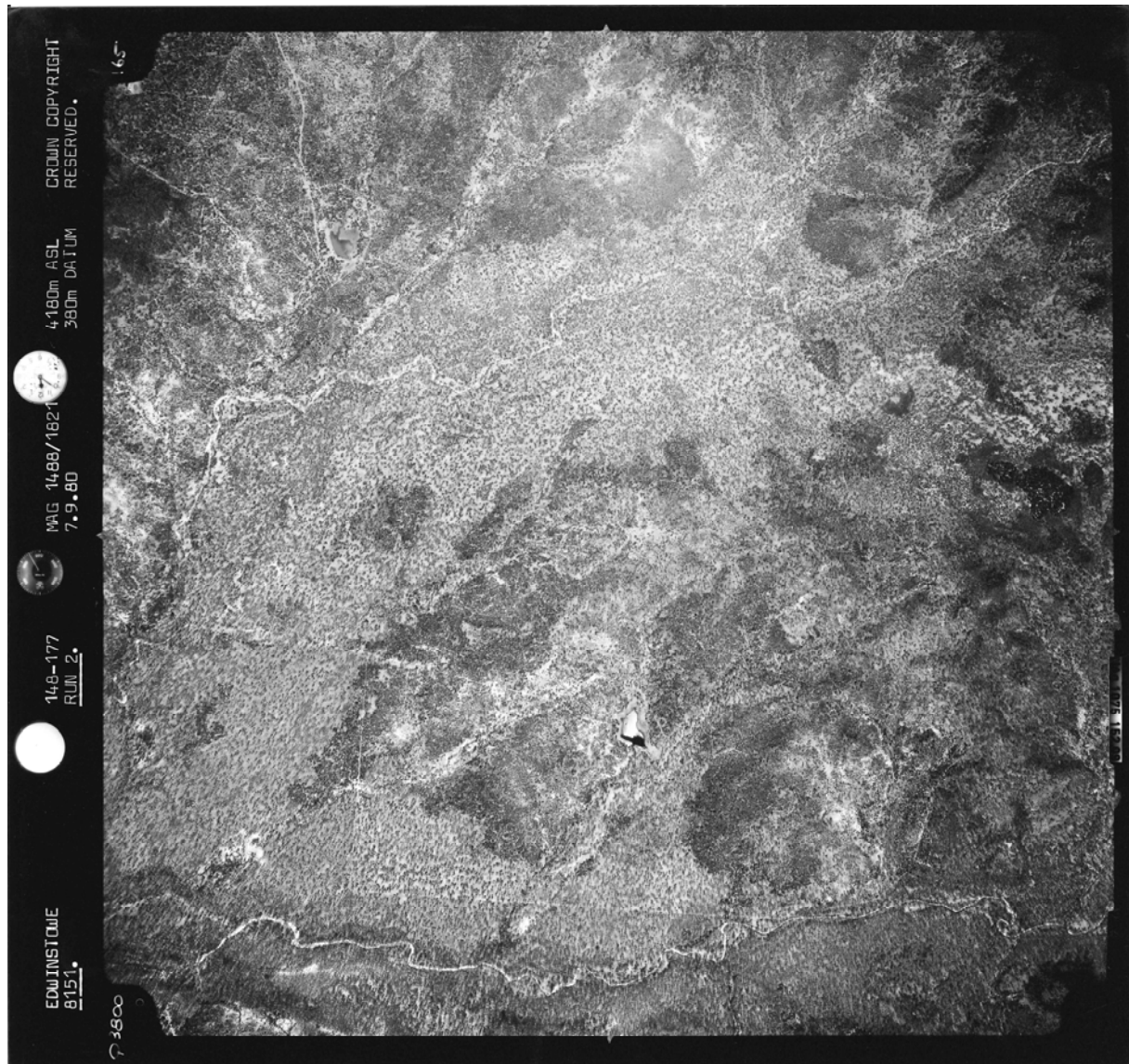
## Appendix C





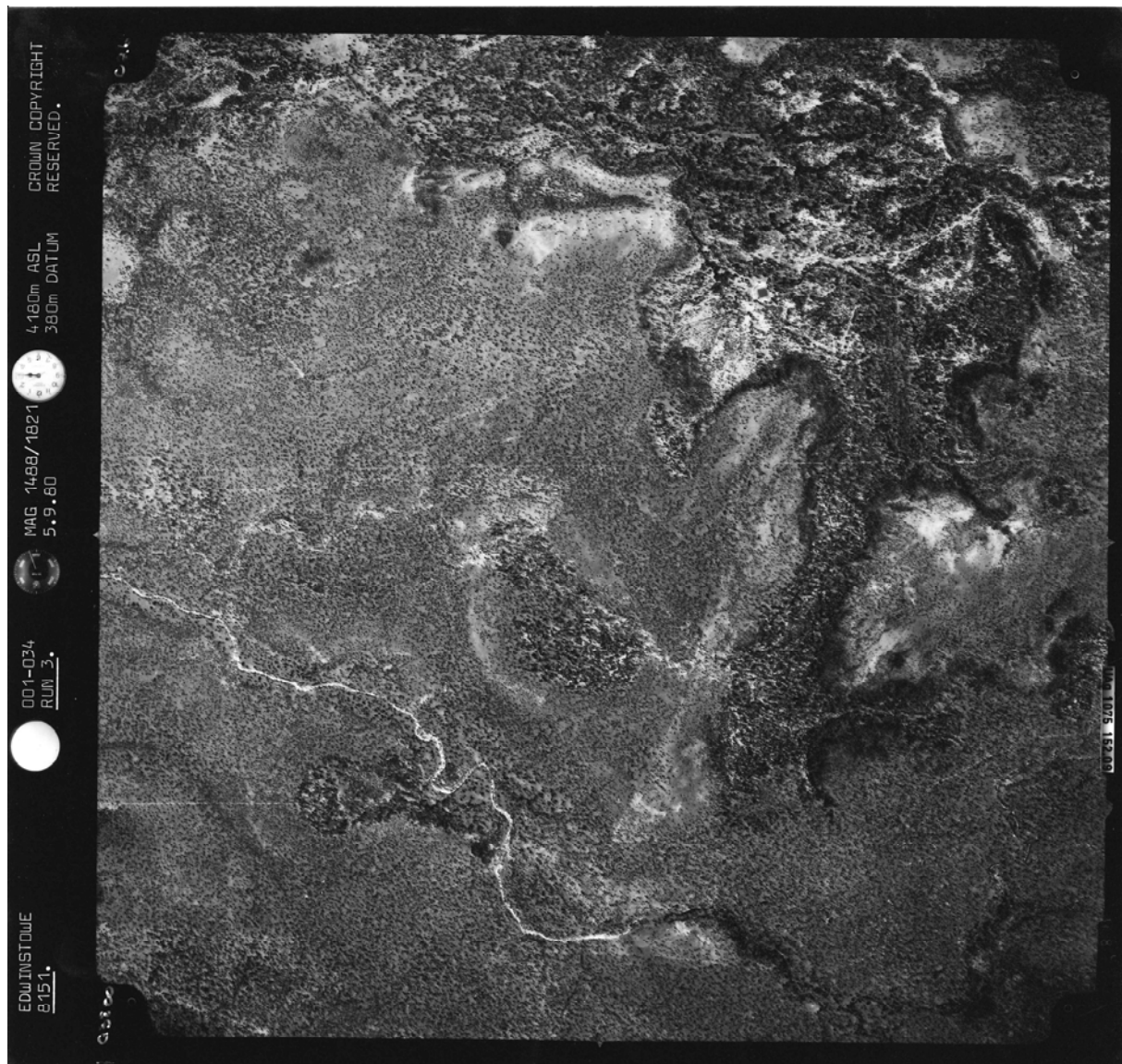
## Appendix C

### C.3 1980





## Appendix C



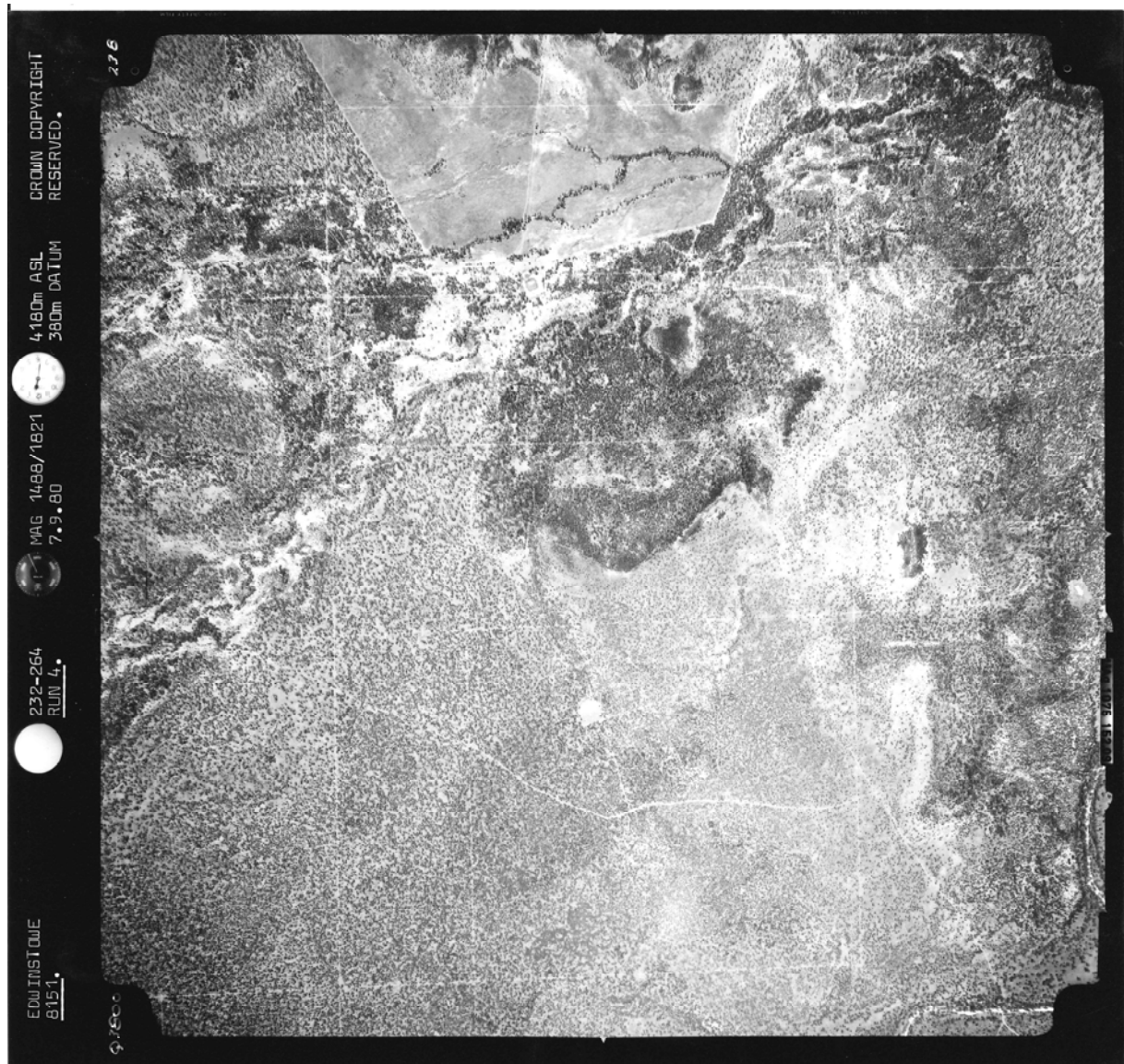


## Appendix C





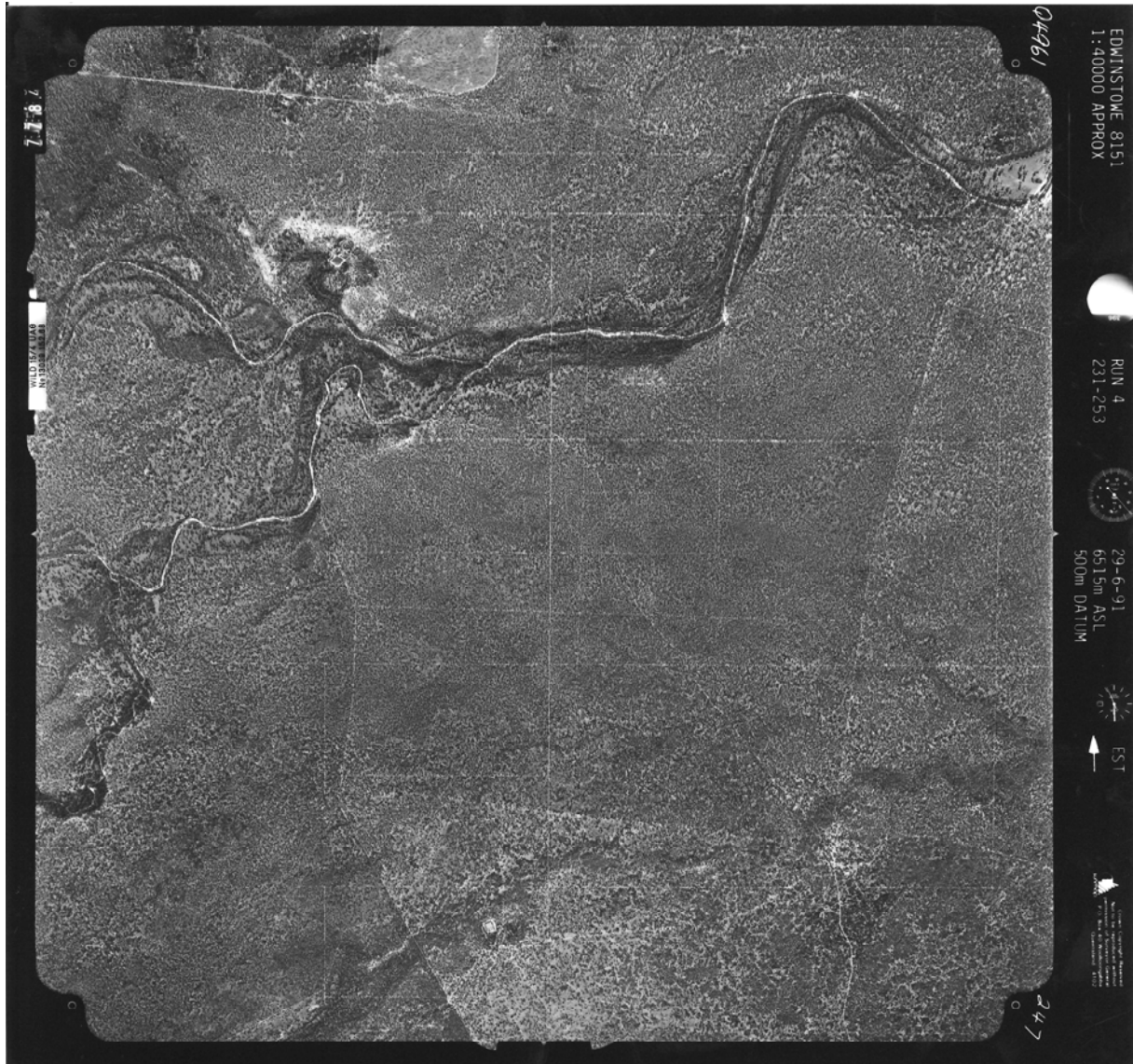
## Appendix C





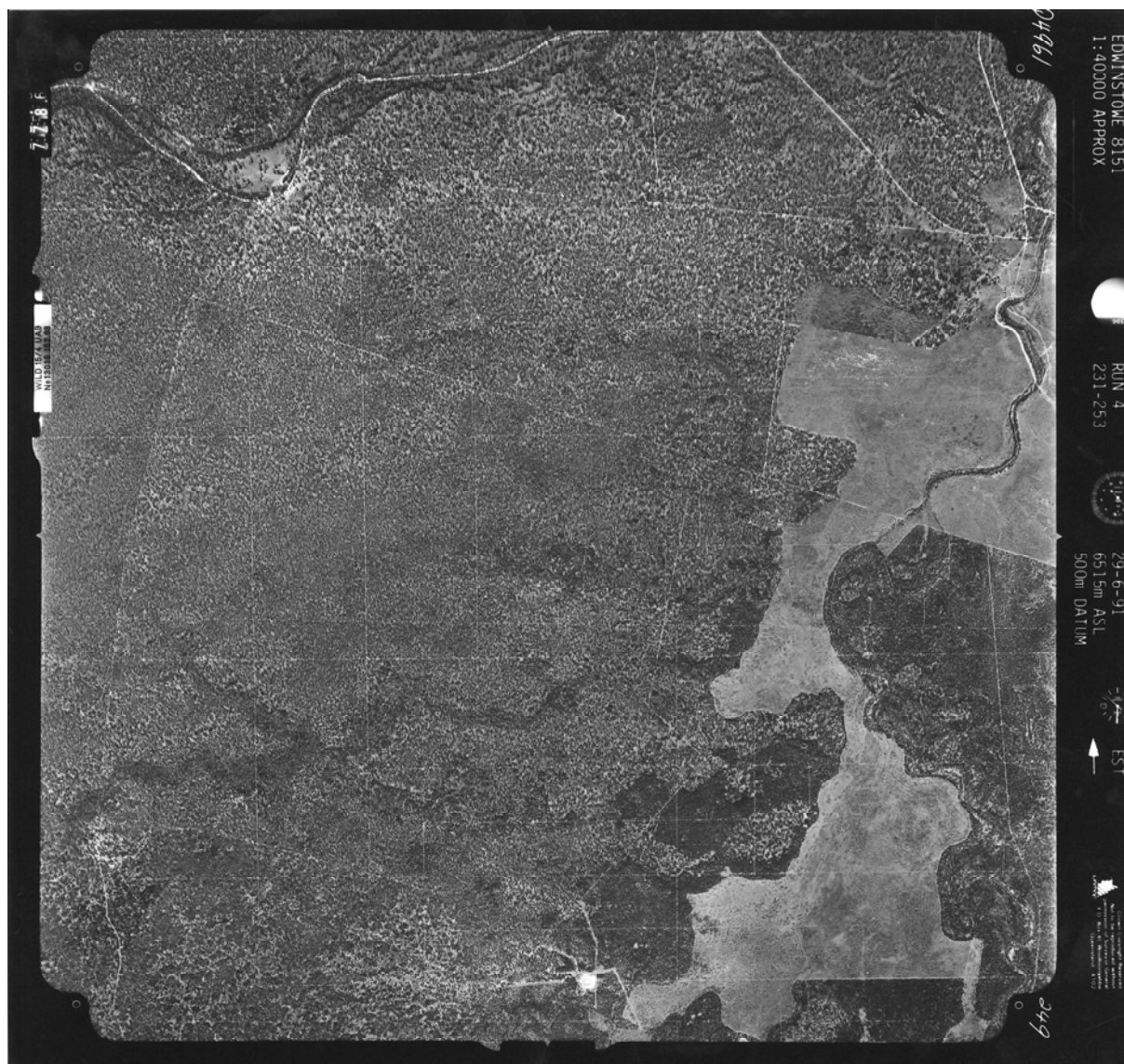
## Appendix C

### C.4 1991





## Appendix C





EDWINSTOWE 8151  
1:40000 APPROX.

RUN 1  
054-075

30/6/91  
6515m ASL  
500m DATUM

EST

054

7.827

WILLOW LANE  
M13000 100000

© Crown Copyright. Reproduced by permission of the Controller of Her Majesty's Stationery Office.

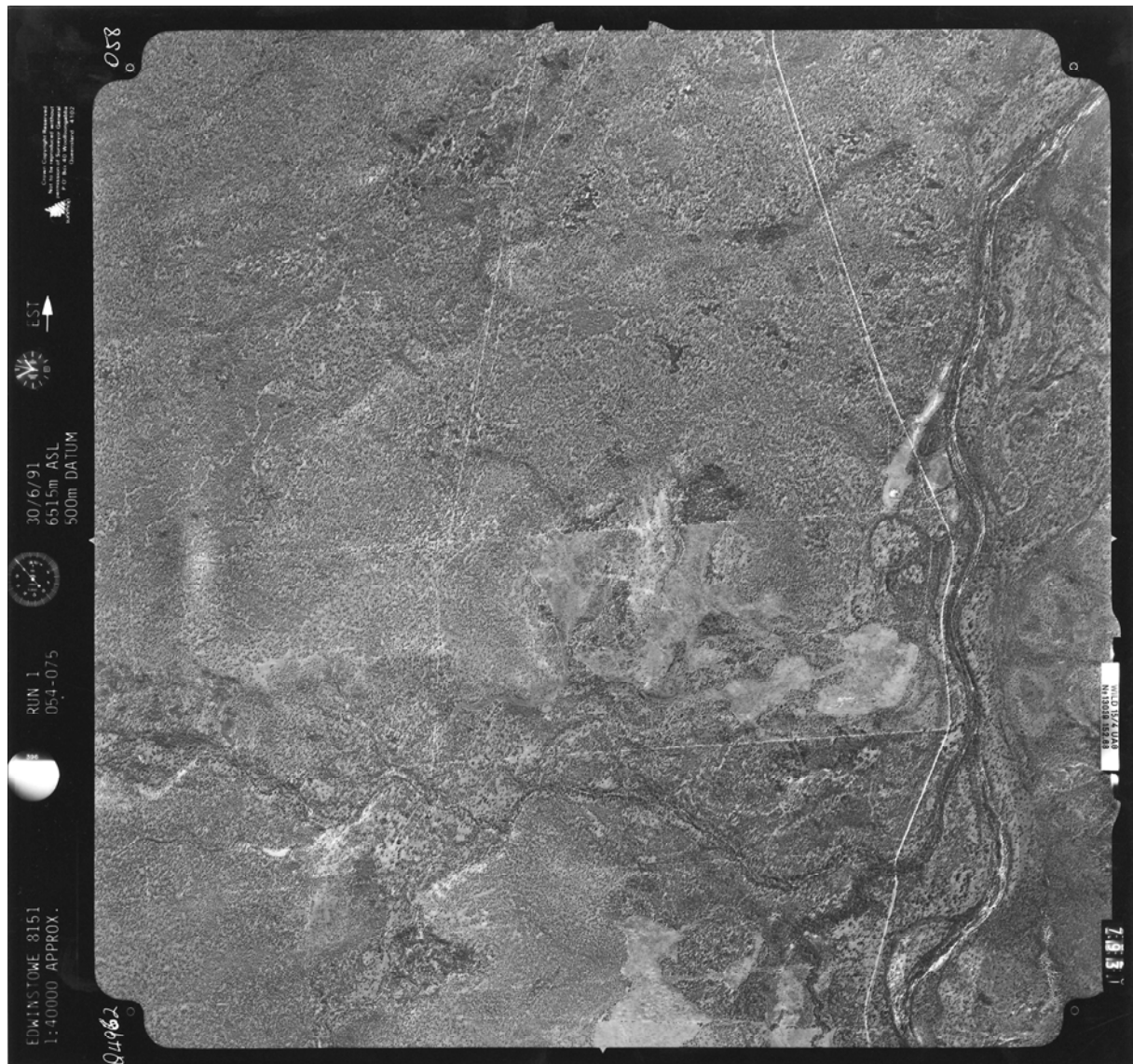
This is a black and white aerial photograph showing a rugged landscape. A grid system is overlaid on the image, with labels '054' at the top left and '7.827' at the bottom right. On the left side, there are several vertical labels: 'EDWINSTOWE 8151', '1:40000 APPROX.', 'RUN 1', '054-075', '30/6/91', '6515m ASL', and '500m DATUM'. Above these labels is a small circular logo with a compass rose and the letters 'EST'. At the very top left, there is a small rectangular label with the number '054'. In the bottom right corner, there is a small rectangular label with the text 'WILLOW LANE' and 'M13000 100000'. The photograph itself shows a mix of dark and light areas, suggesting different types of vegetation or terrain. There are some linear features, possibly roads or paths, visible across the landscape.



[illegible]

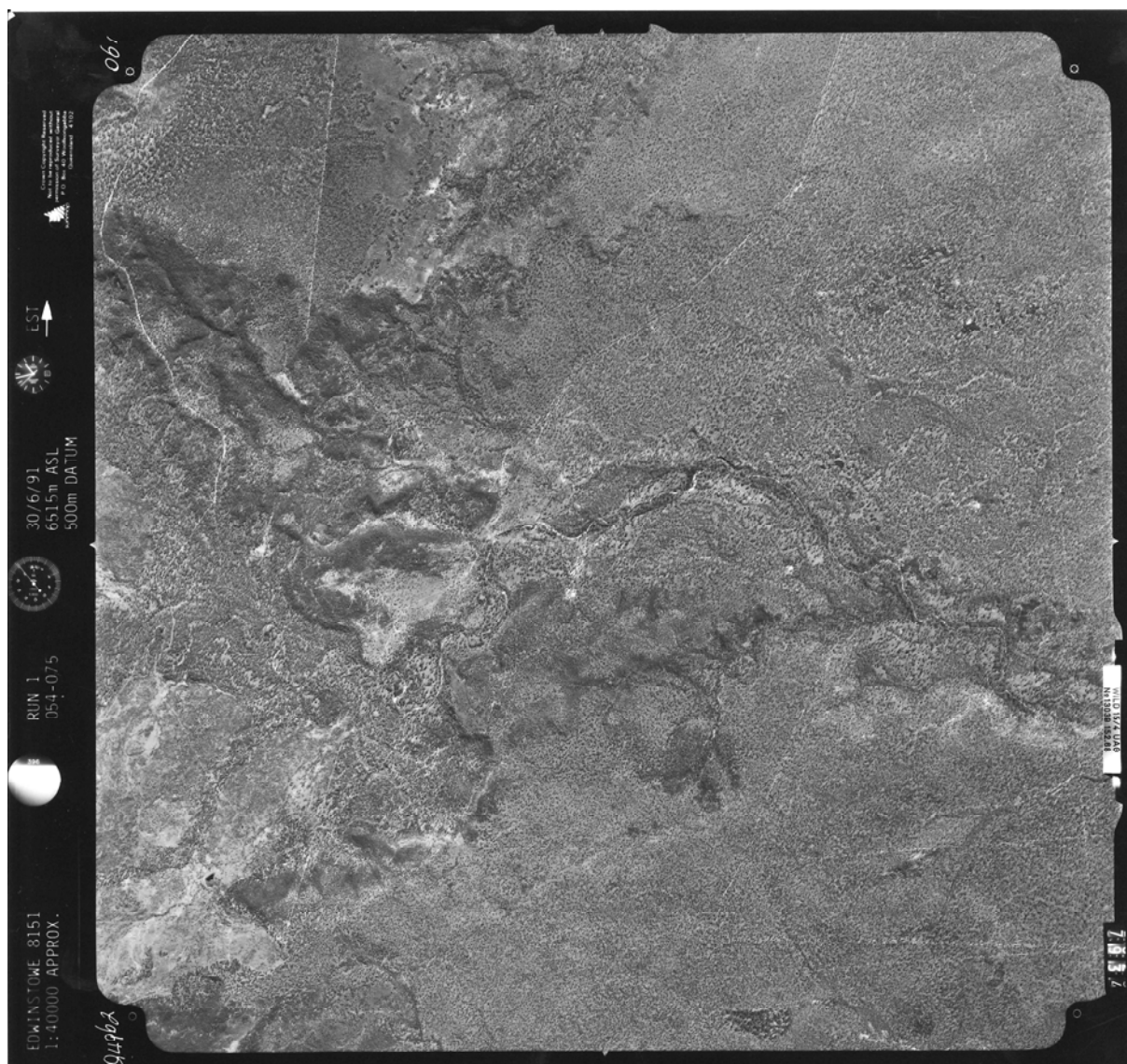


## Appendix C



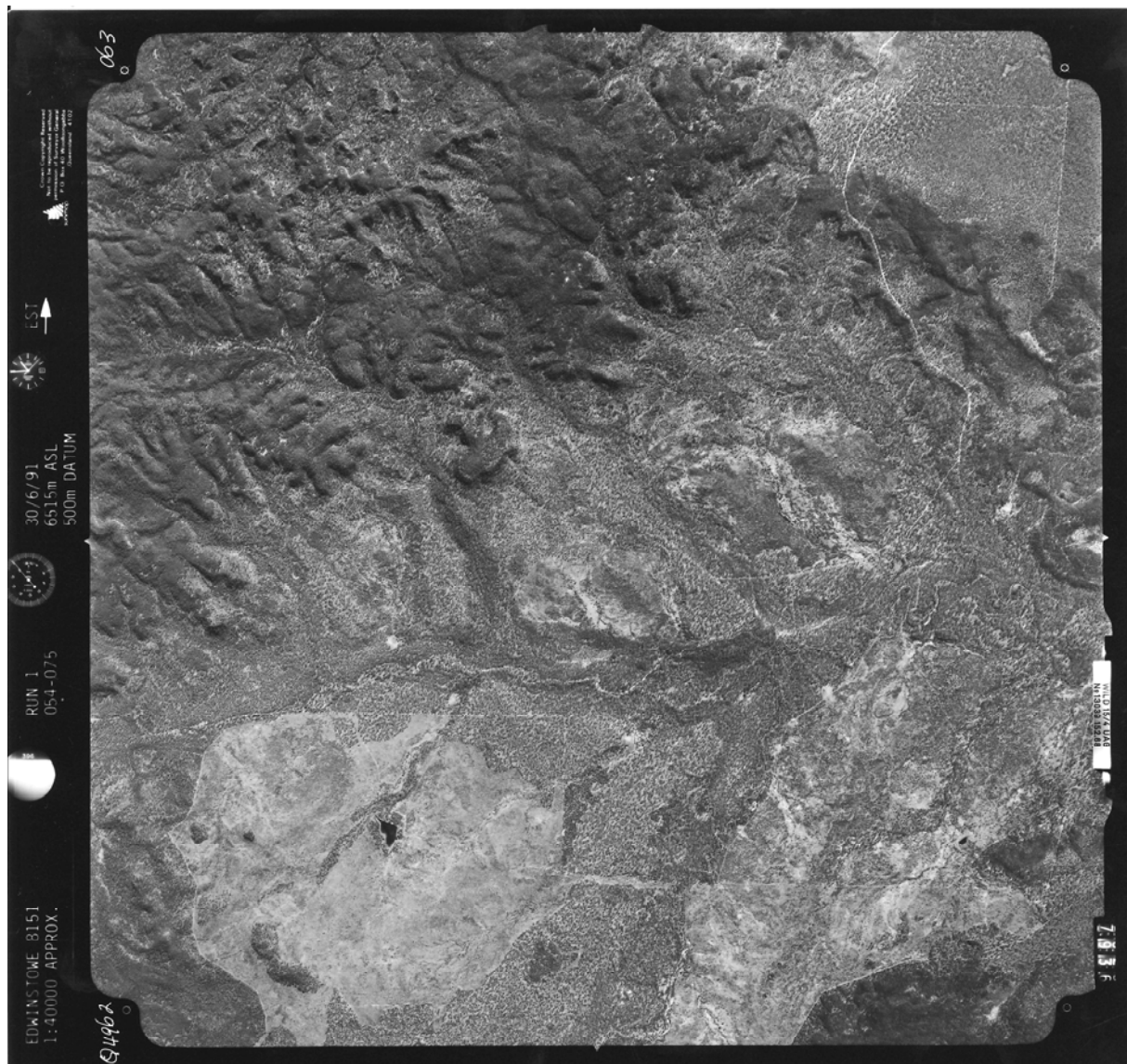


## Appendix C





## Appendix C





047

EST

30/6/91  
6515m ASL  
500m DATUM

RUN 2  
032-053

EDWINSTOWE 81  
1:40000 APPROX.

04962



04963

EDWINSTOWE 81  
1:40000 APPROX.

RUN 2  
032-053

30/6/91  
6515m ASL  
500m DATUM

04964

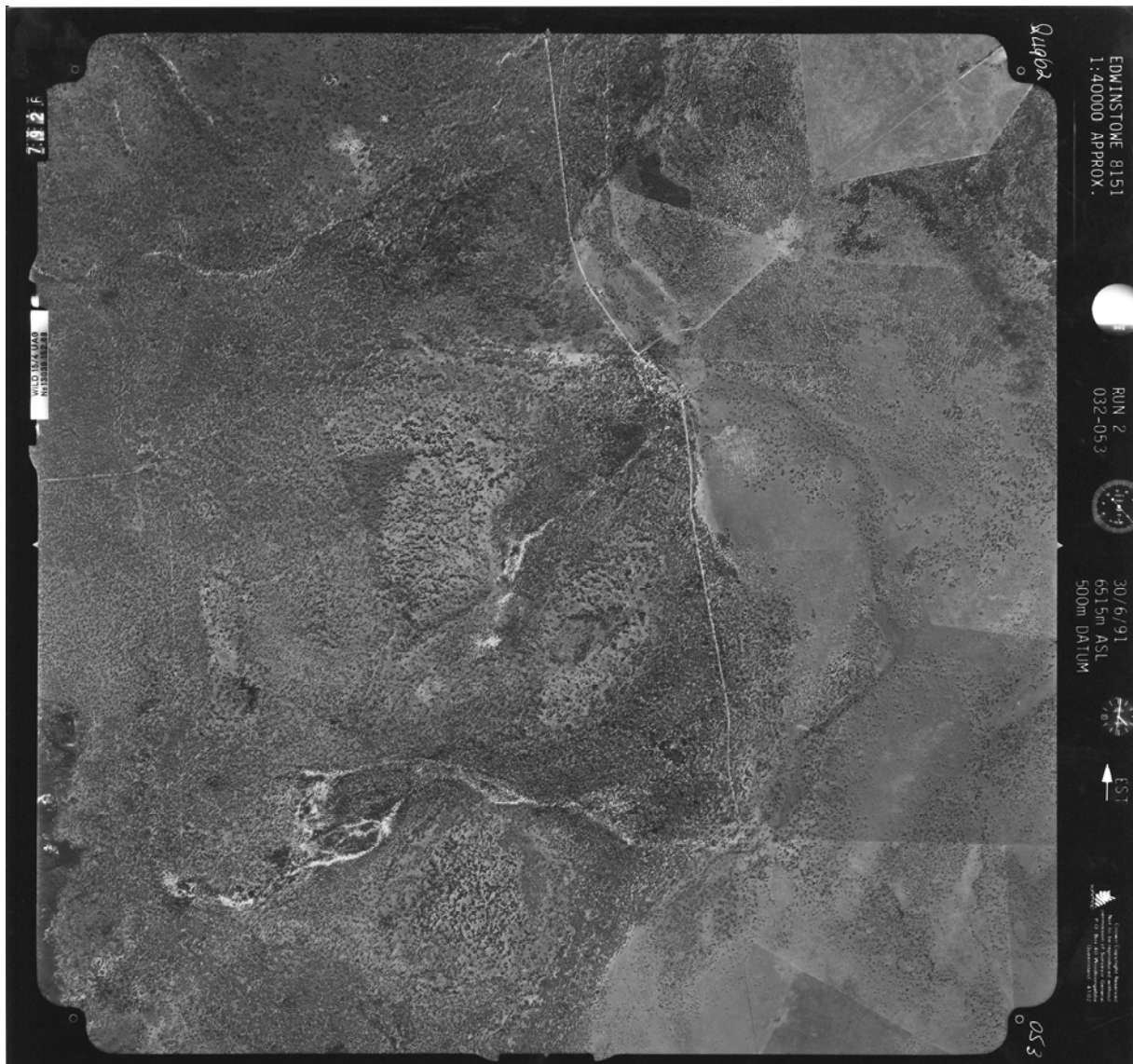
WILD ISLAND  
WILSON





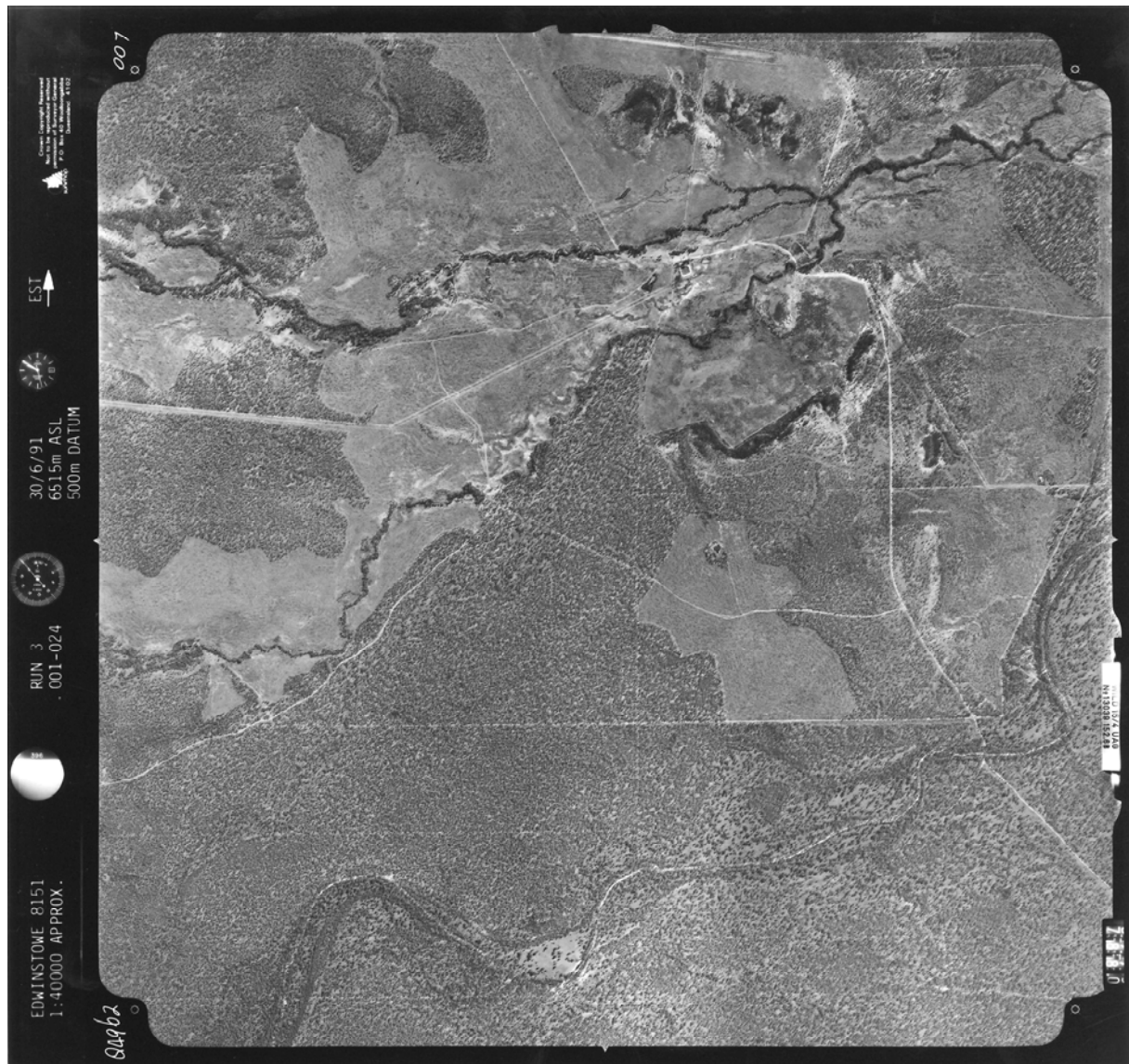


## Appendix C



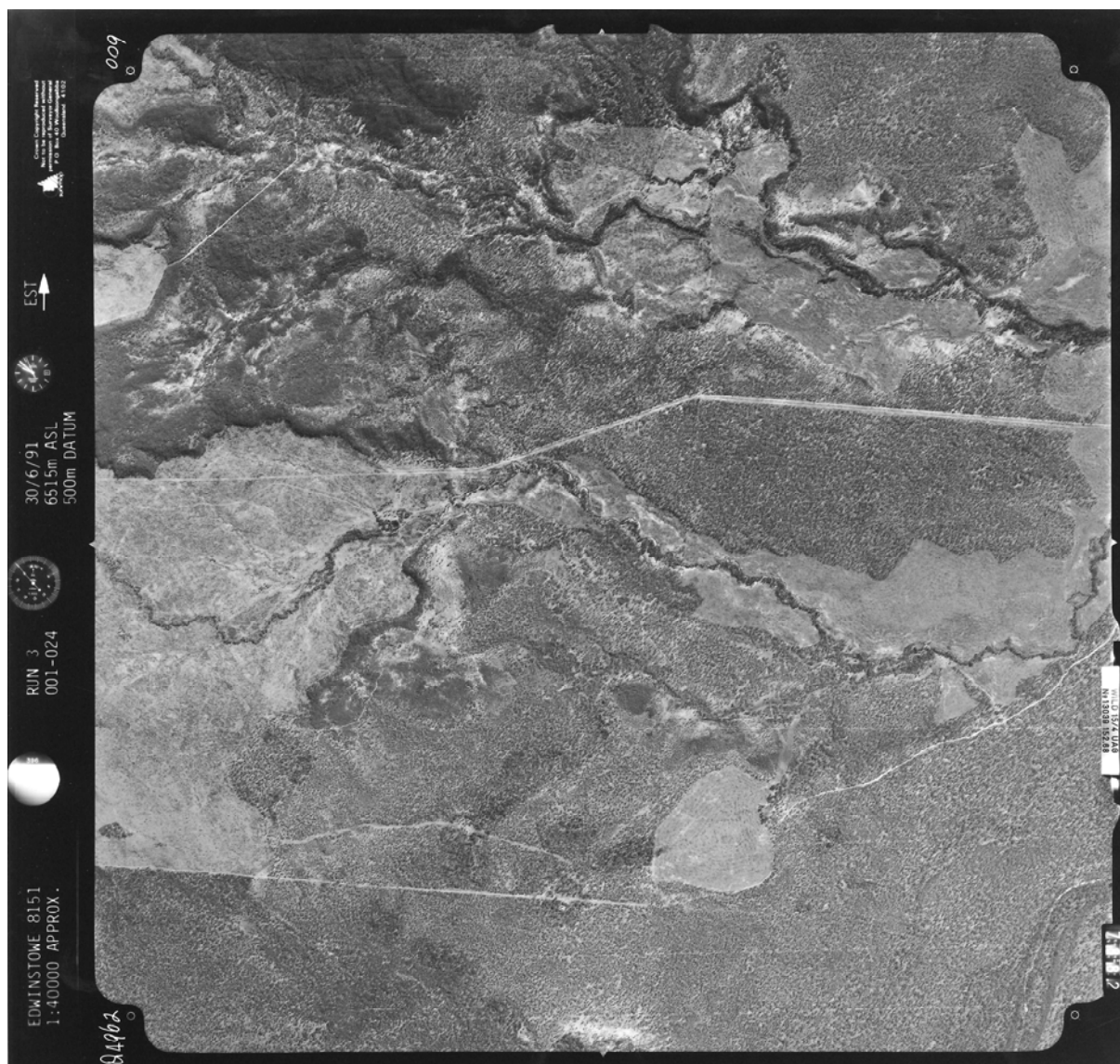


## Appendix C





## Appendix C



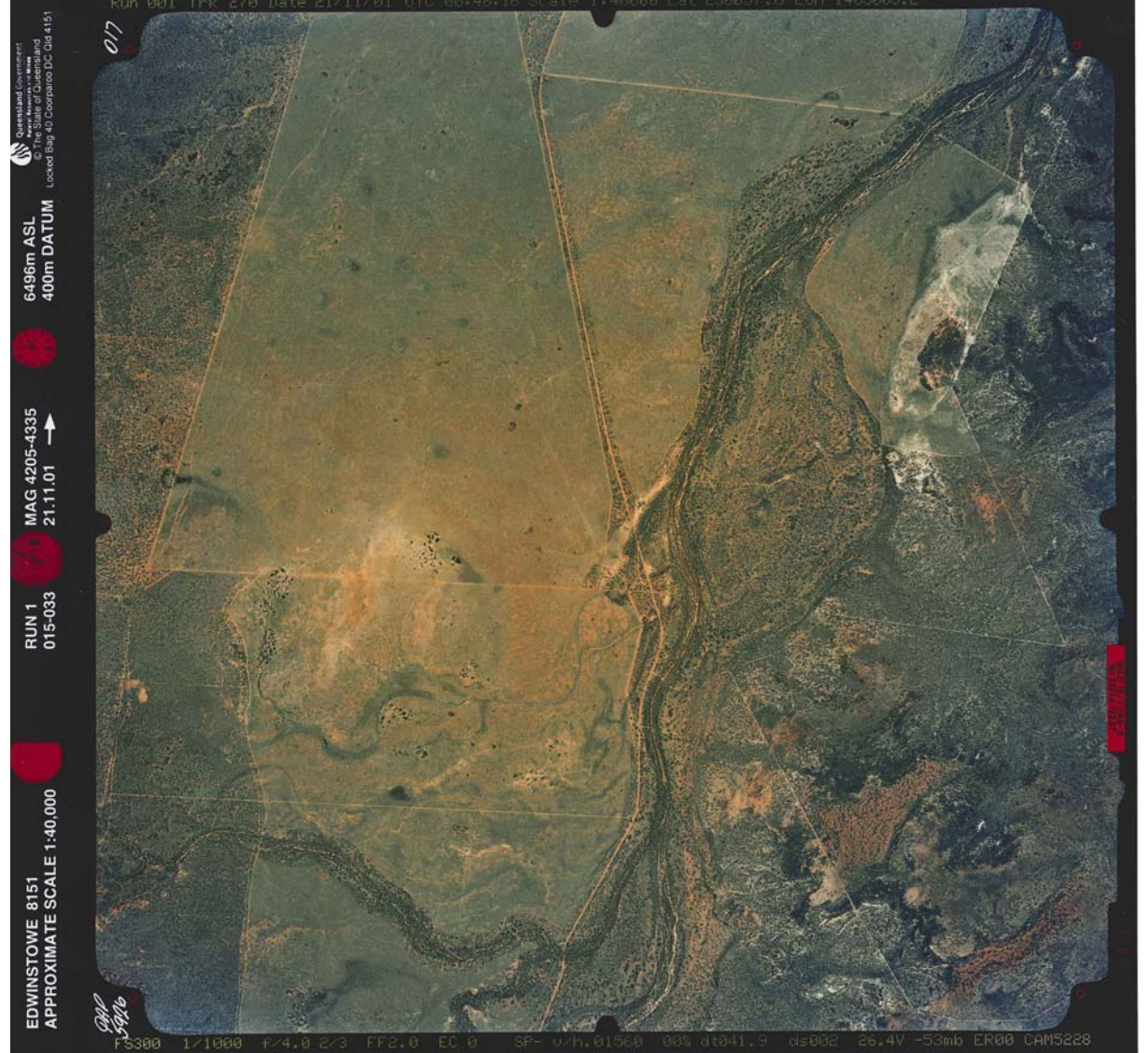


## Appendix C

### C.5 2001

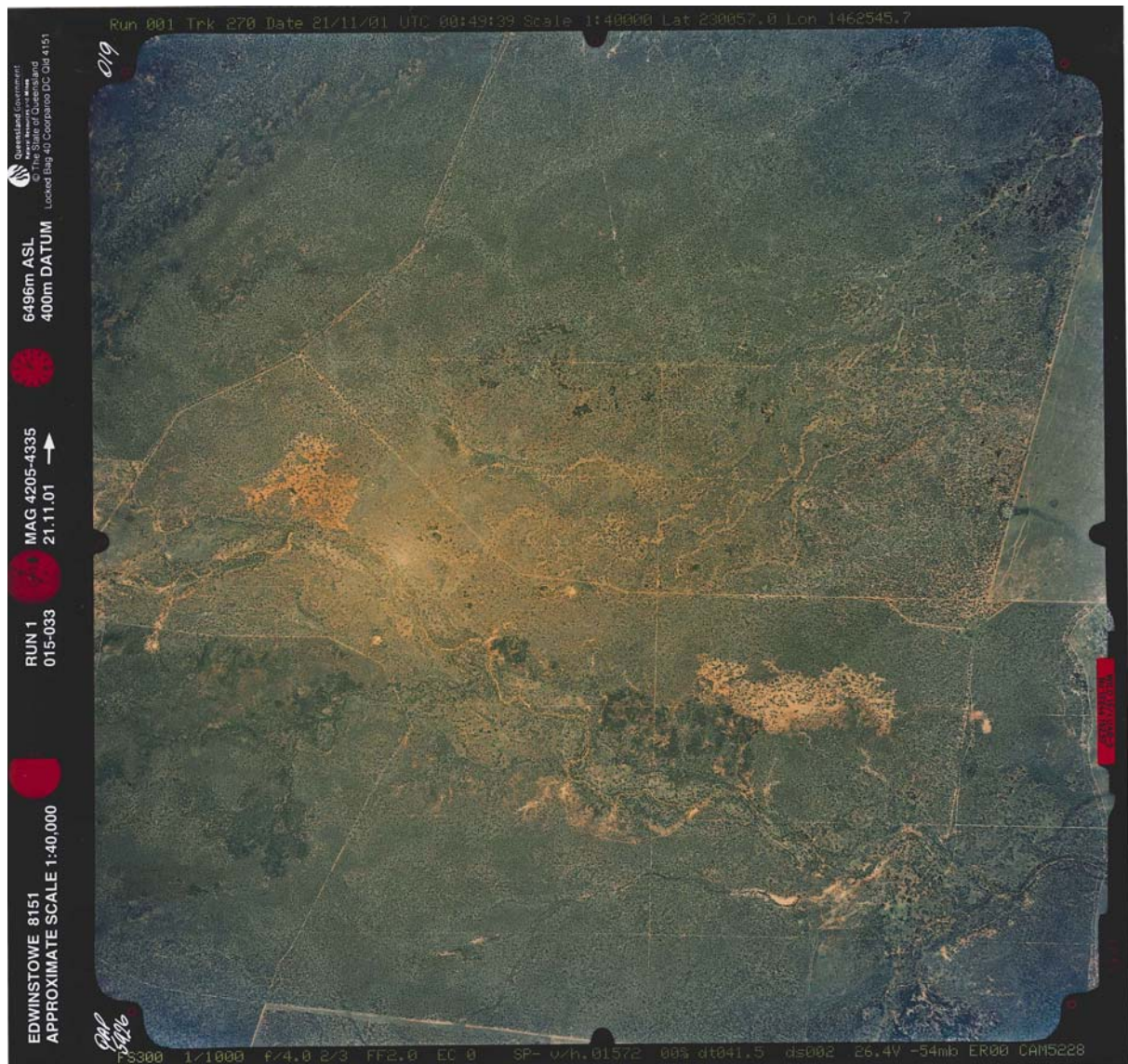






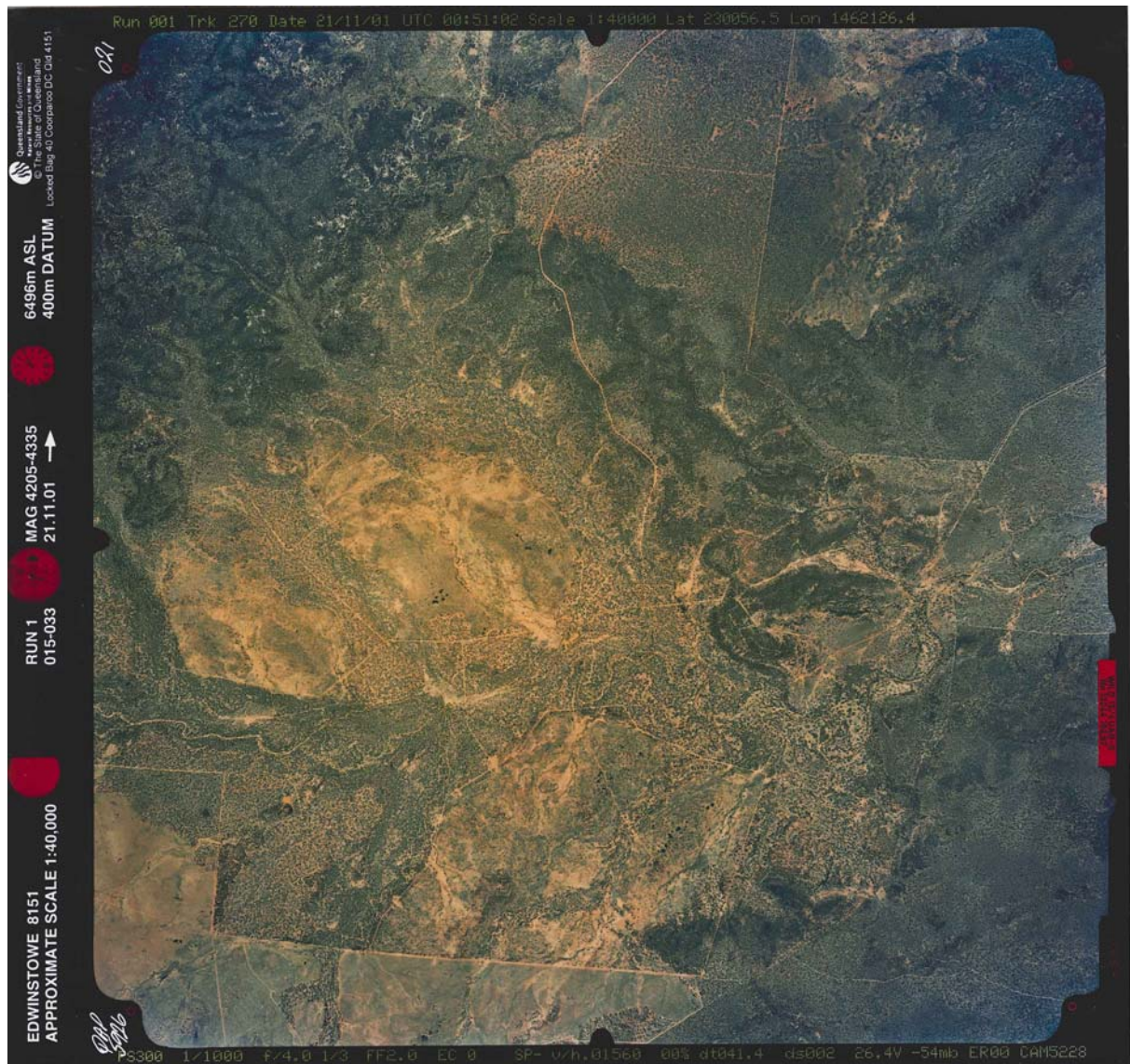


## Appendix C





## Appendix C











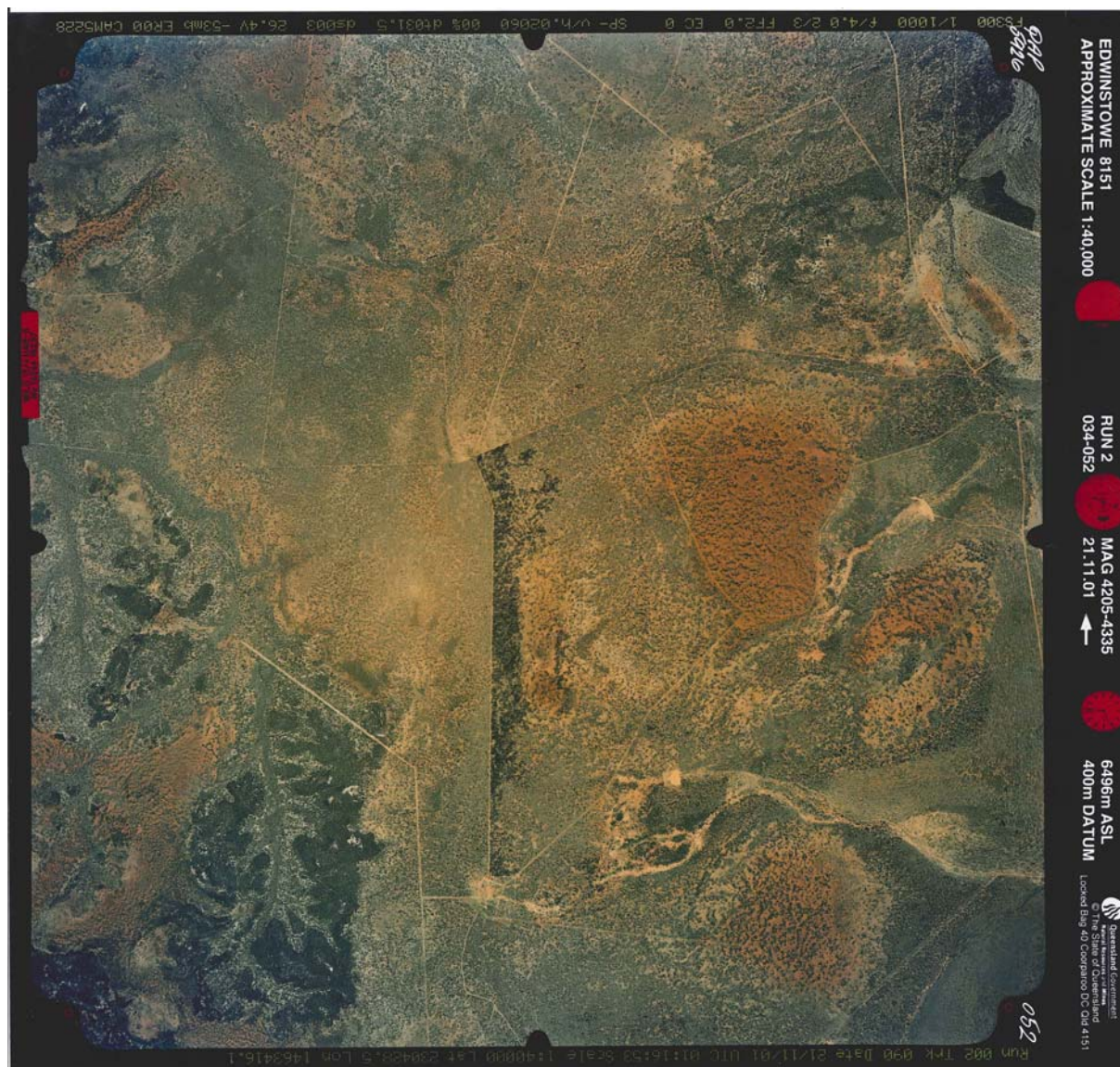


## Appendix C





42626677/0001/0002





















## Appendix D EMR CLR Searches



**SEARCH RESPONSE**  
**ENVIRONMENTAL MANAGEMENT REGISTER (EMR)**  
**CONTAMINATED LAND REGISTER (CLR)**

Marcus Bloor  
1 Swann Rd  
Taringa QLD 4068

Transaction ID: 1234163      EMR Site Id: 16 June 2010  
Cheque Number:  
Client Reference: 14255138

This response relates to a search request received for the site:

Lot: 1007      Plan: NPW632

null NO STREET ADDRESS

UNABLE TO VALIDATE (SEARCH MAY PROCEED)

**EMR RESULT**

The above site is NOT included on the Environmental Management Register.

**CLR RESULT**

The above site is NOT included on the Contaminated Land Register.

**ADDITIONAL ADVICE**

**EMR/CLR Searches may be conducted online through the State Government Website  
[www.smartservice.qld.gov.au](http://www.smartservice.qld.gov.au) or Citec Confirm [www.confirm.com.au](http://www.confirm.com.au).**

If you have any queries in relation to this search please phone (07) 3330 5687.

Lindi Bowen  
**Registrar, Contaminated Land Unit**



**SEARCH RESPONSE**  
**ENVIRONMENTAL MANAGEMENT REGISTER (EMR)**  
**CONTAMINATED LAND REGISTER (CLR)**

Marcus Bloor  
1 Swann Rd  
Taringa QLD 4068

Transaction ID: 1234164      EMR Site Id: 16 June 2010  
Cheque Number:  
Client Reference: 14255138

This response relates to a search request received for the site:

Lot: 1788      Plan: PH886  
null NO STREET ADDRESS  
UNABLE TO VALIDATE (SEARCH MAY PROCEED)

**EMR RESULT**

The above site is NOT included on the Environmental Management Register.

**CLR RESULT**

The above site is NOT included on the Contaminated Land Register.

**ADDITIONAL ADVICE**

**EMR/CLR Searches may be conducted online through the State Government Website  
[www.smartservice.qld.gov.au](http://www.smartservice.qld.gov.au) or Citec Confirm [www.confirm.com.au](http://www.confirm.com.au).**

If you have any queries in relation to this search please phone (07) 3330 5687.

Lindi Bowen  
**Registrar, Contaminated Land Unit**



**SEARCH RESPONSE**  
**ENVIRONMENTAL MANAGEMENT REGISTER (EMR)**  
**CONTAMINATED LAND REGISTER (CLR)**

Marcus Bloor  
1 Swann Rd  
Taringa QLD 4068

Transaction ID: 1234165      EMR Site Id: 16 June 2010  
Cheque Number:  
Client Reference: 14255138

This response relates to a search request received for the site:

Lot: 3533      Plan: PH56  
null NO STREET ADDRESS  
UNABLE TO VALIDATE (SEARCH MAY PROCEED)

**EMR RESULT**

The above site is NOT included on the Environmental Management Register.

**CLR RESULT**

The above site is NOT included on the Contaminated Land Register.

**ADDITIONAL ADVICE**

**EMR/CLR Searches may be conducted online through the State Government Website  
[www.smartservice.qld.gov.au](http://www.smartservice.qld.gov.au) or Citec Confirm [www.confirm.com.au](http://www.confirm.com.au).**

If you have any queries in relation to this search please phone (07) 3330 5687.

Lindi Bowen  
**Registrar, Contaminated Land Unit**



**SEARCH RESPONSE**  
**ENVIRONMENTAL MANAGEMENT REGISTER (EMR)**  
**CONTAMINATED LAND REGISTER (CLR)**

Julie Byrd  
PO Box 675  
Townsville QLD 4810

Transaction ID: 1172450      EMR Site Id: 13 October 2009  
Cheque Number:  
Client Reference: 13277064

This response relates to a search request received for the site:

Lot: 4994      Plan: PH2232  
null NO STREET ADDRESS  
UNABLE TO VALIDATE (SEARCH MAY PROCEED)

**EMR RESULT**

The above site is NOT included on the Environmental Management Register.

**CLR RESULT**

The above site is NOT included on the Contaminated Land Register.

**ADDITIONAL ADVICE**

**EMR/CLR Searches may be conducted online through the State Government Website  
[www.smartservice.qld.gov.au](http://www.smartservice.qld.gov.au) or Citec Confirm [www.confirm.com.au](http://www.confirm.com.au).**

If you have any queries in relation to this search please phone (07) 3227 7370.

Lindi Bowen  
**Registrar, Contaminated Land Unit**



**SEARCH RESPONSE**  
**ENVIRONMENTAL MANAGEMENT REGISTER (EMR)**  
**CONTAMINATED LAND REGISTER (CLR)**

Julie Byrd  
PO Box 675  
Townsville QLD 4810

Transaction ID: 1172455      EMR Site Id: 13 October 2009  
Cheque Number:  
Client Reference: 13277064

This response relates to a search request received for the site:

Lot: 649      Plan: PH1981  
null NO STREET ADDRESS  
UNABLE TO VALIDATE (SEARCH MAY PROCEED)  
**EMR RESULT**

The above site is NOT included on the Environmental Management Register.

**CLR RESULT**

The above site is NOT included on the Contaminated Land Register.

**ADDITIONAL ADVICE**

**EMR/CLR Searches may be conducted online through the State Government Website  
[www.smartservice.qld.gov.au](http://www.smartservice.qld.gov.au) or Citec Confirm [www.confirm.com.au](http://www.confirm.com.au).**

If you have any queries in relation to this search please phone (07) 3227 7370.

Lindi Bowen  
**Registrar, Contaminated Land Unit**



**SEARCH RESPONSE**  
**ENVIRONMENTAL MANAGEMENT REGISTER (EMR)**  
**CONTAMINATED LAND REGISTER (CLR)**

Marcus Bloor  
1 Swann Rd  
Taringa QLD 4068

Transaction ID: 1234162      EMR Site Id: 16 June 2010  
Cheque Number:  
Client Reference: 14255138

This response relates to a search request received for the site:  
Lot: 681      Plan: PH406  
null ALBRO ROAD  
MISTAKE CREEK

**EMR RESULT**

The above site is NOT included on the Environmental Management Register.

**CLR RESULT**

The above site is NOT included on the Contaminated Land Register.

**ADDITIONAL ADVICE**

**EMR/CLR Searches may be conducted online through the State Government Website  
[www.smartservice.qld.gov.au](http://www.smartservice.qld.gov.au) or Citec Confirm [www.confirm.com.au](http://www.confirm.com.au).**

If you have any queries in relation to this search please phone (07) 3330 5687.

Lindi Bowen  
**Registrar, Contaminated Land Unit**





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Level 16, 240 Queen Street  
Brisbane, QLD 4000  
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Australia

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