



**APPROVAL**

**Sandy Ridge Project, Shire of Coolgardie, Western Australia (EPBC 2015/7478)**

This decision is made under sections 130(1) and 133(1) of the *Environment Protection and Biodiversity Conservation Act 1999 (Cth)*. Note that section 134(1A) of the **EPBC Act** applies to this approval, which provides in general terms that if the **approval holder** authorises another person to undertake any part of the action, the **approval holder** must take all reasonable steps to ensure that the other person is informed of any conditions attached to this approval, and that the other person complies with any such condition.

**Details**

<b>Person to whom the approval is granted (approval holder)</b>	Tellus Holdings Ltd
<b>ACN or ABN of approval holder</b>	ACN: 138 119 829
<b>Action</b>	Construct and operate an open-cut kaolin clay mine, arid near-surface geological waste repository within the mine voids, and associated infrastructure for the storage, treatment, recovery and permanent isolation (disposal) of hazardous and intractable wastes (including low level radioactive wastes), approximately 75 km north-east of Koolyanobbing in the Shire of Coolgardie, Western Australia [As described in EPBC referral 2015/7478 subject to the variations of the action accepted by the Minister under section 156B on Friday, 22 December 2017 and Friday, 9 November 2018].

**Proposed Approval decision**

My decision on whether or not to approve the taking of the action for the purposes of the controlling provision for the action is as follows.

**Controlling Provisions**

<b>Nuclear actions</b>	
Section 21	Approve
Section 22A	Approve

**Period for which the approval has effect**

This approval has effect until 31 December 2048

**Decision-maker**

<b>Name and position</b>	Chris Videroni A/g Assistant Secretary, Assessments (WA, SA, NT) and Post Approvals Branch Department of the Environment and Energy
<b>Signature</b>	
<b>Date of decision</b>	07 January 2019

## Conditions of approval

This approval is subject to the conditions under the EPBC Act as set out in ANNEXURE A.

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### ANNEXURE A – CONDITIONS OF APPROVAL

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#### Part A – Conditions specific to the action

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1. To manage the impacts of the action on the **environment**, the **approval holder** must comply with conditions 1 and 9 attached to the **WA approval** to the extent those conditions apply to the taking of the action specified in this approval.
2. (1) To enable the early detection of any leachate and to protect the **environment** from impacts from leachate to deep groundwater, the **approval holder** must submit a deep groundwater monitoring and management plan. The deep groundwater monitoring and management plan must commit the **approval holder** to undertake monitoring and management of potential impacts to the groundwater within the weathered granite and granite hard rock (bedrock) as specified below. The **approval holder** must not **commence waste receipt** unless the **Minister** has approved the deep groundwater monitoring and management plan in writing. If the **Minister** approves the deep groundwater monitoring and management plan then the approved deep groundwater monitoring and management plan must be implemented.  
  
(2) The deep groundwater monitoring and management plan must specify:
  - a. monitoring procedures and protocols, including monitoring location points and frequency of monitoring (minimum every six (6) months);
  - b. mitigation and management measures;
  - c. an adaptive management framework, including early warning triggers, trigger criteria, monitoring design and methodologies, and trigger management actions;
  - d. **incident** reporting;
  - e. review periods; and
  - f. implementation reporting and auditing by a **suitably qualified person**.  
(3) To be capable of detecting any potential contamination of groundwater, the deep groundwater monitoring and management plan must include parameters collected during at least 12 months of baseline monitoring of groundwater and soil quality undertaken prior to **commencing waste receipt**.
3. To exclude potential floodwaters from the site and to prevent the release of potentially contaminated floodwaters to the **environment**, the **approval holder** must ensure that any surface water that enters or leaves the **action area** cannot spread contaminants out of the **action area**. To meet this objective the **approval holder** must ensure that monitoring of the action's impacts is capable of detecting any contaminants before they can be transported out of the **action area**.
4. To ensure a nationally consistent approach to the environmental regulation of **PFAS**, the **approval holder** must implement the **PFAS National Environmental Management Plan**.

5. The **approval holder** must ensure waste emplacement is undertaken as described in the action description of this approval notice. The **approval holder** must not emplace waste by borehole disposal (commonly referred to as the BOSS method).

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## Part B – Standard administrative conditions

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### Notification of date of commencement of the action

6. The **approval holder** must notify the **Department** in writing of the date of **commencement of the action** within 10 **business days** after the date of **commencement of the action**.

### Compliance records

7. The **approval holder** must maintain accurate and complete **compliance records**.
8. If the **Department** makes a request in writing, the **approval holder** must provide electronic copies of **compliance records** to the **Department** within the timeframe specified in the request.

**Note:** **Compliance records** may be subject to audit by the **Department** or an independent auditor in accordance with section 458 of the **EPBC Act**, and or used to verify compliance with the conditions. Summaries of the result of an audit may be published on the **Department's** website or through the general media.

### Annual compliance reporting

9. The **approval holder** must prepare a **compliance report** for each 12 month period following the date of **commencement of the action**, or as otherwise agreed to in writing by the **Minister**. The **approval holder** must:
  - a. publish each **compliance report** on the **website** within 60 **business days** following the relevant 12 month period;
  - b. notify the **Department** by email that a **compliance report** has been published on the **website** within five **business days** of the date of publication;
  - c. keep all **compliance reports** publicly available on the **website** until this approval expires;
  - d. exclude or redact **sensitive ecological data** from **compliance reports** published on the **website**; and
  - e. where any **sensitive ecological data** has been excluded from the version published, submit the full **compliance report** to the **Department** within 5 **business days** of publication.

**Note:** **Compliance reports** may be published on the **Department's** website.

### Reporting non-compliance

10. The **approval holder** must notify the **Department** in writing of any: **incident**; non-compliance with the conditions; or non-compliance with the commitments made in **plans**. The notification must be given as soon as practicable, and no later than two **business days** after becoming aware of the **incident** or non-compliance. The notification must specify:
  - a. the condition which is or may be in breach; and
  - b. a short description of the **incident** and/or non-compliance.
11. The **approval holder** must provide to the **Department** the details of any **incident** or non-compliance with the conditions or commitments made in **plans** as soon as practicable and no later than 10 **business days** after becoming aware of the **incident** or non-compliance, specifying:

- a. any corrective action or investigation which the **approval holder** has already taken or intends to take in the immediate future;
- b. the potential impacts of the **incident** or non-compliance; and
- c. the method and timing of any remedial action that will be undertaken by the **approval holder**.

#### **Independent audit**

12. The **approval holder** must ensure that **independent audits** of compliance with the conditions are conducted as requested in writing by the **Minister**.
13. For each **independent audit**, the **approval holder** must:
  - a. provide the name and qualifications of the independent auditor and the draft audit criteria to the **Department**;
  - b. only commence the **independent audit** once the audit criteria have been approved in writing by the **Department**; and
  - c. submit an audit report to the **Department** within the timeframe specified in the approved audit criteria.
14. The **approval holder** must publish the audit report on the **website** within 10 **business days** of receiving the **Department's** approval of the audit report and keep the audit report published on the **website** until the end date of this approval.

#### **Completion of the action**

15. Within 30 days after the **completion of the action**, the **approval holder** must notify the **Department** in writing and provide **completion data**.

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#### **Part C - Definitions**

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16. In these conditions, except where contrary intention is expressed, the following definitions are used:
  - a. **Action area** is the area within the Development Envelope shown in Attachment B, which is the area enclosed by a line drawn from the first coordinate in Attachment A to the next and so on consecutively, with the final coordinate drawn from the final coordinate to the first. Due to the **action area** lying over two metric rectangular grid (MGA) zone boundaries, Attachment A provides coordinates for both MGA zone 50 and 51.
  - b. **Approval holder** is the person to whom the approval is granted.
  - c. **Business days** means a day that is not a Saturday, a Sunday or a public holiday in the state or territory of the action.
  - d. **Cleared area/s** means the total area/s (in hectares) within the **action area** where the action has caused loss or lasting modification of habitat.
  - e. **Commencement of the action** means the first instance of any specified activity associated with the action including clearance of vegetation and **construction** of any infrastructure. Commencement does not include minor physical disturbance necessary to:
    - i. undertake pre-clearance surveys or monitoring programs;
    - ii. install signage and /or temporary fencing to prevent unapproved use of the project area;

- iii. protect environmental and property assets from fire, weeds and pests, including erection or **construction** of fencing and signage, and maintenance or use of existing surface access tracks, if agreed in writing by the **Department**; and
- f. **Commence/commencing waste receipt** means the first instance any wastes accepted to the **action area**.
- g. **Completion data** means an environmental report and spatial data information clearly detailing the date, location, the approved Sandy Ridge development envelope, and actual total **cleared area/s**. The **Department's** preferred spatial data format is shapefile.
- h. **Completion of the action** means the day on which all specified activities associated with the action have permanently ceased.
- i. **Compliance records** means all documentation or other material in whatever form required to demonstrate compliance with the conditions of approval in the approval holder's possession or that are within the approval holder's power to obtain lawfully;
- j. **Compliance report(s)** means written reports:
  - i. providing accurate and complete details of compliance, **incidents**, and non-compliance with the conditions and the **plans**;
  - ii. consistent with the **Department's Annual Compliance Report Guidelines (2014)**;
  - iii. include a shapefile of any clearance of any **protected matters**, or their habitat, undertaken within the relevant 12 month period; and
  - iv. annexing a schedule of all **plans** prepared and in existence in relation to the conditions during the relevant 12 month period.
- k. **Construction** means the erection of a building or structure that is or is to be fixed to the ground and wholly or partially fabricated on-site; the alteration, maintenance, repair or demolition of any building or structure; preliminary site preparation work which involves breaking of the ground (including pile driving); the laying of pipes and other prefabricated materials in the ground, and any associated excavation work; but excluding the installation of fences and signage.
- l. **Department** means the Australian Government agency responsible for administering the **EPBC Act** or any other agency responsible for administering the **EPBC Act** from time to time
- m. **Environment** means the environment as defined under section 528 of the **EPBC Act**.
- n. **EPBC Act** means the *Environment Protection and Biodiversity Conservation Act 1999* (Cth).
- o. **Incident(s)** means any event which has the potential to, or does, impact on **protected matter(s)**.
- p. **Independent audit/s** means an audit conducted by an independent and **suitably qualified person** as detailed in the *Environment Protection and Biodiversity Conservation Act 1999 Independent Audit and Audit Report Guidelines (2015)*.
- q. **Minister** means the Australian Government Minister administering the **EPBC Act** including any delegate thereof.
- r. **PFAS** means per-and poly-fluoroalkyl substances.
- s. **PFAS National Environmental Management Plan** means the *PFAS National Environmental Management Plan (HEPA 2018)* or as amended.

- t. **Plan(s)** means any of the documents required to be prepared, approved by the **Minister**, and/or implemented by the approval holder and published on the **website** in accordance with these conditions (includes action management plans and/or strategies);
- u. **Protected matter(s)** means a matter protected under a controlling provision in Part 3 of the **EPBC Act** for which this approval has effect.
- v. **Sensitive ecological data** means data as defined in the Australian Government Department of the Environment (2016) *Sensitive Ecological Data – Access and Management Policy V1.0*.
- w. **Suitably qualified person** means a person who has professional qualifications, training, skills and/or experience related to the nominated subject matter and can give authoritative independent assessment, advice and analysis on performance relative to the subject matter using the relevant protocols, standards, methods and/or literature.
- x. **WA approval** means the Ministerial Statement issued under the Western Australian *Environmental Protection Act 1986*; titled 'Statement that a proposal may be implemented (*Environmental Protection Act 1986*), Sandy Ridge Facility, Statement 1079 published on 27 June 2018 as amended and in force from time to time.
- y. **Website** means a set of related web pages located under a single domain name attributed to the approval holder and available to the public.

# Attachment A



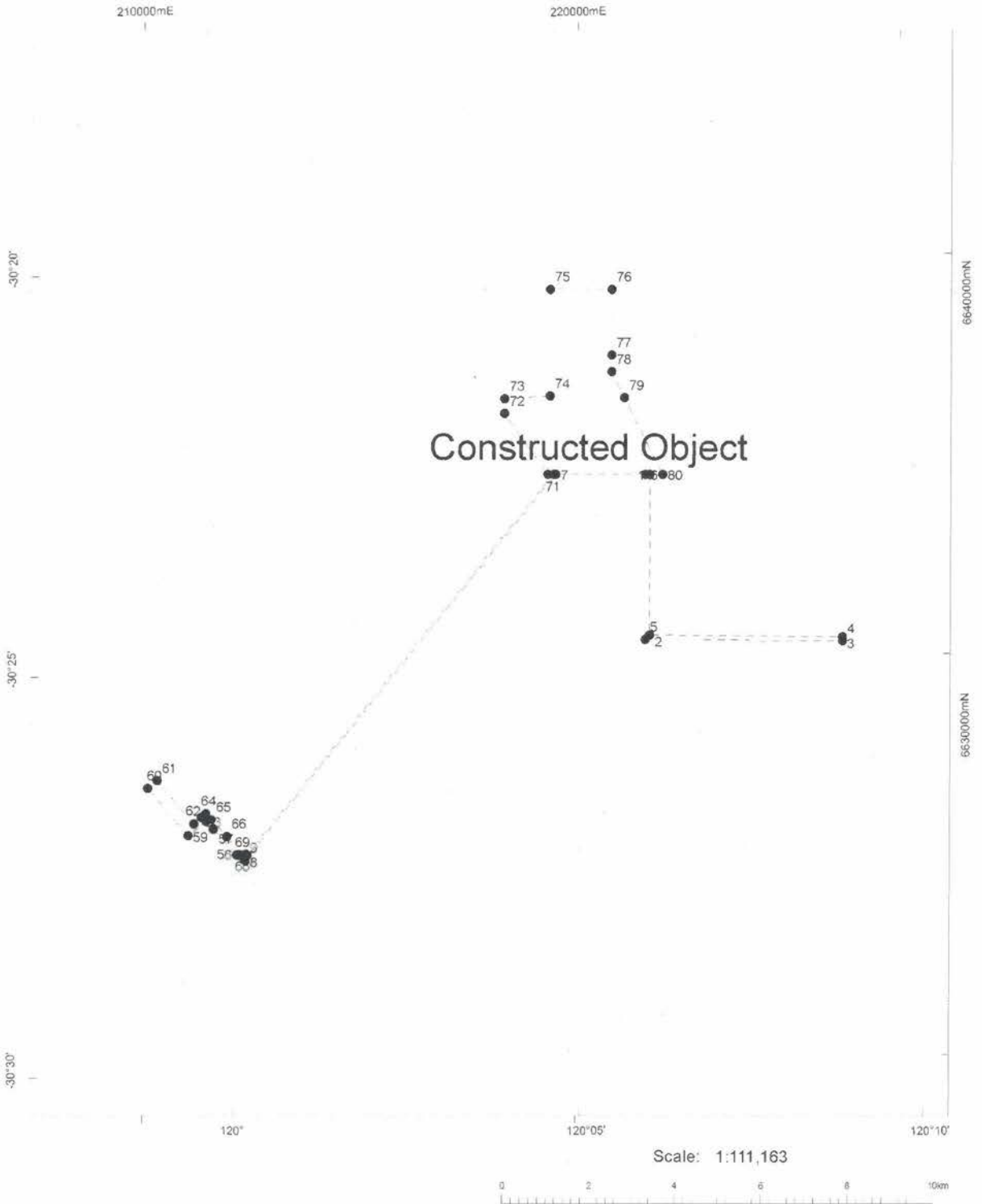
Government of Western Australia  
Department of Mines, Industry Regulation and Safety

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Page: 1

Object Description : Constructed Object  
Estimated area : 1060.9133 (Ha)  
Datum : GDA94





The numeric precision shown does not reflect the spatial accuracy of the ground position.

Object Description : Constructed Object

Estimated area : 1060.9133 (Ha)

Datum : GDA94

1 Main Polygon description.

Id	Geographic coordinates		Grid coordinates		Azimuths and distances		
	Latitude (South)	Longitude (East)	Zone	Northing(m)	Easting(m)	Mid Azimuth	Spheroidal dist. (m)
1	30° 22' 40.1114	120° 06' 15.1303	50	6635259.901	798324.422		
1	30° 22' 40.1114	120° 06' 15.1303	51	6635790.945	221712.765		
2	30° 24' 40.4010	120° 06' 11.5783	50	6631557.090	798127.915	181° 27' 58.77 ( 1° 27' 58.77)	3705.436
2	30° 24' 40.4010	120° 06' 11.5783	51	6632083.449	221712.765	181° 27' 58.77 ( 1° 27' 58.77)	3705.436
3	30° 24' 45.1846	120° 08' 57.9838	50	6631286.894	802566.735	91° 53' 58.51 (271° 53' 58.51)	4443.866
3	30° 24' 45.1846	120° 08' 57.9838	51	6632048.996	226158.900	91° 53' 58.51 (271° 53' 58.51)	4443.866
4	30° 24' 48.4292	120° 08' 57.8895	50	6631187.015	802561.431	181° 26' 38.20 ( 1° 26' 38.20)	99.947
4	30° 24' 48.4292	120° 08' 57.8895	51	6631948.997	226158.899	181° 26' 38.20 ( 1° 26' 38.20)	99.947
5	30° 24' 43.5374	120° 06' 07.7399	50	6631463.289	798022.782	271° 53' 59.41 ( 91° 53' 59.41)	4543.811
5	30° 24' 43.5374	120° 06' 07.7399	51	6631984.219	221612.768	271° 53' 59.41 ( 91° 53' 59.41)	4543.811
6	30° 22' 40.0284	120° 06' 11.3883	50	6635265.198	798224.550	1° 28' 00.76 (181° 28' 00.76)	3804.608
6	30° 22' 40.0284	120° 06' 11.3883	51	6635790.945	221612.768	1° 28' 00.76 (181° 28' 00.76)	3804.608
7	30° 22' 38.2776	120° 04' 52.7747	50	6635376.490	796126.400	271° 28' 17.02 ( 91° 28' 17.02)	2099.651
7	30° 22' 38.2776	120° 04' 52.7747	51	6635790.945	219511.933	271° 28' 17.02 ( 91° 28' 17.02)	2099.651
8	30° 27' 21.0476	120° 00' 16.5305	50	6626864.726	788517.108	220° 15' 15.11 ( 40° 15' 15.11)	11409.689
8	30° 27' 21.0476	120° 00' 16.5305	51	6626888.163	212365.142	220° 15' 15.11 ( 40° 15' 15.11)	11409.689
9	30° 27' 21.1675	120° 00' 16.4132	50	6626861.118	788513.882	220° 16' 29.73 ( 40° 16' 29.73)	4.836
9	30° 27' 21.1675	120° 00' 16.4132	51	6626884.389	212362.113	220° 16' 29.73 ( 40° 16' 29.73)	4.836
10	30° 27' 20.8300	120° 00' 16.3180	50	6626871.581	788511.616	346° 15' 27.11 (166° 15' 27.11)	10.698
10	30° 27' 20.8300	120° 00' 16.3180	51	6626894.717	212359.295	346° 15' 27.11 (166° 15' 27.11)	10.698
11	30° 27' 20.6098	120° 00' 16.2451	50	6626878.416	788509.851	343° 59' 39.89 (163° 59' 39.89)	7.054
11	30° 27' 20.6098	120° 00' 16.2451	51	6626901.447	212357.169	343° 59' 39.89 (163° 59' 39.89)	7.054
12	30° 27' 20.3910	120° 00' 16.1580	50	6626885.217	788507.707	340° 58' 47.24 (160° 58' 47.24)	7.127
12	30° 27' 20.3910	120° 00' 16.1580	51	6626908.126	212354.667	340° 58' 47.24 (160° 58' 47.24)	7.127
13	30° 27' 20.2370	120° 00' 16.0918	50	6626890.008	788506.067	339° 34' 54.57 (159° 34' 54.57)	5.060
13	30° 27' 20.2370	120° 00' 16.0918	51	6626912.823	212352.775	339° 34' 54.57 (159° 34' 54.57)	5.060
14	30° 27' 19.9984	120° 00' 15.9749	50	6626897.441	788503.144	337° 00' 12.97 (157° 00' 12.97)	7.981
14	30° 27' 19.9984	120° 00' 15.9749	51	6626920.089	212349.461	337° 00' 12.97 (157° 00' 12.97)	7.981
15	30° 27' 19.8164	120° 00' 15.8761	50	6626903.117	788500.654	334° 47' 54.67 (154° 47' 54.67)	6.194
15	30° 27' 19.8164	120° 00' 15.8761	51	6626925.626	212346.674	334° 47' 54.67 (154° 47' 54.67)	6.194
16	30° 27' 19.6436	120° 00' 15.7646	50	6626908.518	788497.821	330° 47' 28.96 (150° 47' 28.96)	6.095
16	30° 27' 19.6436	120° 00' 15.7646	51	6626930.869	212343.558	330° 47' 28.96 (150° 47' 28.96)	6.095
17	30° 27' 19.4855	120° 00' 15.6528	50	6626913.466	788494.967	328° 29' 56.31 (148° 29' 56.31)	5.708
17	30° 27' 19.4855	120° 00' 15.6528	51	6626935.658	212340.445	328° 29' 56.31 (148° 29' 56.31)	5.708
18	30° 27' 19.3276	120° 00' 15.5281	50	6626918.421	788491.768	325° 37' 45.45 (145° 37' 45.45)	5.893
18	30° 27' 19.3276	120° 00' 15.5281	51	6626940.436	212336.988	325° 37' 45.45 (145° 37' 45.45)	5.893
19	30° 27' 19.1299	120° 00' 15.3574	50	6626924.629	788487.375	323° 11' 40.69 (143° 11' 40.69)	7.600
19	30° 27' 19.1299	120° 00' 15.3574	51	6626946.402	212332.271	323° 11' 40.69 (143° 11' 40.69)	7.600
20	30° 27' 18.6042	120° 00' 14.8867	50	6626941.157	788475.245	322° 12' 03.82 (142° 12' 03.82)	20.488





The numeric precision shown does not reflect the spatial accuracy of the ground position.

Object Description : Constructed Object

Estimated area : 1060.9133 (Ha)

Datum : GDA94

1 Main Polygon description.

Id	Geographic coordinates		Grid coordinates			Azimuths and distances	
	Latitude (South)	Longitude (East)	Zone	Northing(m)	Easting(m)	Mid Azimuth	Spheroidal dist. (m)
20	30° 27' 18.6042	120° 00' 14.8867	51	6626962.263	212319.281	322° 12' 03.82 (142° 12' 03.82)	20.488
21	30° 27' 18.2821	120° 00' 14.5968	50	6626951.286	788467.772	322° 03' 19.84 (142° 03' 19.84)	12.579
21	30° 27' 18.2821	120° 00' 14.5968	51	6626971.981	212311.281	322° 03' 19.84 (142° 03' 19.84)	12.579
22	30° 27' 18.0958	120° 00' 14.4194	50	6626957.149	788463.193	320° 29' 04.75 (140° 29' 04.75)	7.434
22	30° 27' 18.0958	120° 00' 14.4194	51	6626977.592	212306.397	320° 29' 04.75 (140° 29' 04.75)	7.434
23	30° 27' 17.9424	120° 00' 14.2654	50	6626961.986	788459.207	318° 59' 11.91 (138° 59' 11.91)	6.263
23	30° 27' 17.9424	120° 00' 14.2654	51	6626982.210	212302.160	318° 59' 11.91 (138° 59' 11.91)	6.263
24	30° 27' 17.7622	120° 00' 14.0721	50	6626967.671	788454.197	317° 05' 37.88 (137° 05' 37.88)	7.573
24	30° 27' 17.7622	120° 00' 14.0721	51	6626987.622	212296.856	317° 05' 37.88 (137° 05' 37.88)	7.573
25	30° 27' 17.6627	120° 00' 13.9358	50	6626970.833	788450.641	310° 06' 42.34 (130° 06' 42.34)	4.755
25	30° 27' 17.6627	120° 00' 13.9358	51	6626990.590	212293.137	310° 06' 42.34 (130° 06' 42.34)	4.755
26	30° 27' 17.6012	120° 00' 13.8406	50	6626972.796	788448.152	306° 44' 09.14 (126° 44' 09.14)	3.167
26	30° 27' 17.6012	120° 00' 13.8406	51	6626992.418	212290.547	306° 44' 09.14 (126° 44' 09.14)	3.167
27	30° 27' 17.5203	120° 00' 13.6966	50	6626975.391	788444.376	302° 58' 19.03 (122° 58' 19.03)	4.579
27	30° 27' 17.5203	120° 00' 13.6966	51	6626994.809	212286.638	302° 58' 19.03 (122° 58' 19.03)	4.579
28	30° 27' 17.3909	120° 00' 13.4323	50	6626979.565	788437.428	299° 28' 21.70 (119° 28' 21.70)	8.100
28	30° 27' 17.3909	120° 00' 13.4323	51	6626998.608	212279.478	299° 28' 21.70 (119° 28' 21.70)	8.100
29	30° 27' 17.2302	120° 00' 13.0451	50	6626984.787	788427.227	295° 35' 16.38 (115° 35' 16.38)	11.453
29	30° 27' 17.2302	120° 00' 13.0451	51	6627003.282	212269.014	295° 35' 16.38 (115° 35' 16.38)	11.453
30	30° 27' 17.0593	120° 00' 12.6350	50	6626990.345	788416.423	295° 41' 49.59 (115° 41' 49.59)	12.141
30	30° 27' 17.0593	120° 00' 12.6350	51	6627008.258	212257.931	295° 41' 49.59 (115° 41' 49.59)	12.141
31	30° 27' 16.9710	120° 00' 12.3952	50	6626993.233	788410.094	293° 00' 14.61 (113° 00' 14.61)	6.952
31	30° 27' 16.9710	120° 00' 12.3952	51	6627010.806	212251.458	293° 00' 14.61 (113° 00' 14.61)	6.952
32	30° 27' 16.8976	120° 00' 12.1804	50	6626995.648	788404.424	291° 33' 20.92 (111° 33' 20.92)	6.159
32	30° 27' 16.8976	120° 00' 12.1804	51	6627012.917	212245.668	291° 33' 20.92 (111° 33' 20.92)	6.159
33	30° 27' 16.8305	120° 00' 11.9630	50	6626997.867	788398.677	289° 35' 13.06 (109° 35' 13.06)	6.157
33	30° 27' 16.8305	120° 00' 11.9630	51	6627014.828	212239.811	289° 35' 13.06 (109° 35' 13.06)	6.157
34	30° 27' 16.7754	120° 00' 11.7578	50	6626999.711	788393.245	287° 13' 42.68 (107° 13' 42.68)	5.732
34	30° 27' 16.7754	120° 00' 11.7578	51	6627016.381	212234.289	287° 13' 42.68 (107° 13' 42.68)	5.732
35	30° 27' 16.7311	120° 00' 11.5665	50	6627001.212	788388.178	284° 58' 21.69 (104° 58' 21.69)	5.281
35	30° 27' 16.7311	120° 00' 11.5665	51	6627017.610	212229.149	284° 58' 21.69 (104° 58' 21.69)	5.281
36	30° 27' 16.6988	120° 00' 11.3965	50	6627002.326	788383.667	282° 21' 17.15 (102° 21' 17.15)	4.643
36	30° 27' 16.6988	120° 00' 11.3965	51	6627018.484	212224.585	282° 21' 17.15 (102° 21' 17.15)	4.643
37	30° 27' 16.6866	120° 00' 11.3187	50	6627002.758	788381.601	280° 16' 22.01 (100° 16' 22.01)	2.109
37	30° 27' 16.6866	120° 00' 11.3187	51	6627018.805	212222.499	280° 16' 22.01 (100° 16' 22.01)	2.109
38	30° 27' 16.6752	120° 00' 11.2512	50	6627003.156	788379.809	281° 00' 04.82 (101° 00' 04.82)	1.834
38	30° 27' 16.6752	120° 00' 11.2512	51	6627019.107	212220.689	281° 00' 04.82 (101° 00' 04.82)	1.834
39	30° 27' 16.6607	120° 00' 11.1041	50	6627003.708	788375.895	276° 30' 12.48 (96° 30' 12.48)	3.950
39	30° 27' 16.6607	120° 00' 11.1041	51	6627019.451	212216.751	276° 30' 12.48 (96° 30' 12.48)	3.950
40	30° 27' 16.6525	120° 00' 10.9998	50	6627004.034	788373.119	275° 10' 46.69 (95° 10' 46.69)	2.793



The numeric precision shown does not reflect the spatial accuracy of the ground position.

Object Description : Constructed Object

Estimated area : 1060.9133 (Ha)

Datum : GDA94

1 Main Polygon description.

Id	Geographic coordinates		Grid coordinates		Azimuths and distances		
	Latitude (South)	Longitude (East)	Zone	Northing(m)	Easting(m)	Mid Azimuth	Spheroidal dist. (m)
40	30° 27' 16.6525	120° 00' 10.9998	51	6627019.629	212213.961	275° 10' 46.69 ( 95° 10' 46.69)	2.793
41	30° 27' 16.6490	120° 00' 10.9463	50	6627004.180	788371.693	274° 18' 54.04 ( 94° 18' 54.04)	1.432
41	30° 27' 16.6490	120° 00' 10.9463	51	6627019.699	212212.530	274° 18' 54.04 ( 94° 18' 54.04)	1.432
42	30° 27' 16.6475	120° 00' 10.9139	50	6627004.249	788370.832	273° 04' 17.89 ( 93° 04' 17.89)	0.863
42	30° 27' 16.6475	120° 00' 10.9139	51	6627019.722	212211.666	273° 04' 17.89 ( 93° 04' 17.89)	0.863
43	30° 27' 16.6445	120° 00' 10.8675	50	6627004.375	788369.594	274° 17' 57.13 ( 94° 17' 57.13)	1.242
43	30° 27' 16.6445	120° 00' 10.8675	51	6627019.783	212210.424	274° 17' 57.13 ( 94° 17' 57.13)	1.242
44	30° 27' 16.6435	120° 00' 10.7631	50	6627004.481	788366.808	270° 38' 25.76 ( 90° 38' 25.76)	2.786
44	30° 27' 16.6435	120° 00' 10.7631	51	6627019.740	212207.636	270° 38' 25.76 ( 90° 38' 25.76)	2.786
45	30° 27' 16.6439	120° 00' 10.6592	50	6627004.542	788364.035	269° 44' 13.55 ( 89° 44' 13.55)	2.771
45	30° 27' 16.6439	120° 00' 10.6592	51	6627019.654	212204.864	269° 44' 13.55 ( 89° 44' 13.55)	2.771
46	30° 27' 16.6462	120° 00' 10.5787	50	6627004.526	788361.887	268° 03' 33.80 ( 88° 03' 33.80)	2.147
46	30° 27' 16.6462	120° 00' 10.5787	51	6627019.524	212202.719	268° 03' 33.80 ( 88° 03' 33.80)	2.147
47	30° 27' 16.6541	120° 00' 10.4412	50	6627004.382	788358.211	268° 14' 02.04 ( 88° 14' 02.04)	3.676
47	30° 27' 16.6541	120° 00' 10.4412	51	6627019.185	212199.056	268° 14' 02.04 ( 88° 14' 02.04)	3.676
48	30° 27' 16.6615	120° 00' 10.3527	50	6627004.216	788355.842	264° 28' 42.01 ( 84° 28' 42.01)	2.373
48	30° 27' 16.6615	120° 00' 10.3527	51	6627018.894	212196.700	264° 28' 42.01 ( 84° 28' 42.01)	2.373
49	30° 27' 16.6764	120° 00' 10.1902	50	6627003.872	788351.494	263° 56' 29.07 ( 83° 56' 29.07)	4.359
49	30° 27' 16.6764	120° 00' 10.1902	51	6627018.319	212192.376	263° 56' 29.07 ( 83° 56' 29.07)	4.359
50	30° 27' 16.6884	120° 00' 10.0728	50	6627003.587	788348.351	263° 18' 08.19 ( 83° 18' 08.19)	3.153
50	30° 27' 16.6884	120° 00' 10.0728	51	6627017.867	212189.252	263° 18' 08.19 ( 83° 18' 08.19)	3.153
51	30° 27' 16.7018	120° 00' 09.9569	50	6627003.257	788345.247	262° 24' 33.08 ( 82° 24' 33.08)	3.119
51	30° 27' 16.7018	120° 00' 09.9569	51	6627017.373	212186.171	262° 24' 33.08 ( 82° 24' 33.08)	3.119
52	30° 27' 16.7284	120° 00' 09.7567	50	6627002.578	788339.883	261° 15' 55.16 ( 81° 15' 55.16)	5.404
52	30° 27' 16.7284	120° 00' 09.7567	51	6627010.411	212180.849	261° 15' 55.16 ( 81° 15' 55.16)	5.404
53	30° 27' 16.7511	120° 00' 09.6157	50	6627001.980	788336.101	259° 29' 23.19 ( 79° 29' 23.19)	3.826
53	30° 27' 16.7511	120° 00' 09.6157	51	6627015.613	212177.105	259° 29' 23.19 ( 79° 29' 23.19)	3.826
54	30° 27' 16.7787	120° 00' 09.4744	50	6627001.229	788332.308	257° 17' 03.17 ( 77° 17' 03.17)	3.864
54	30° 27' 16.7787	120° 00' 09.4744	51	6627014.662	212173.357	257° 17' 03.17 ( 77° 17' 03.17)	3.864
55	30° 27' 16.8136	120° 00' 09.3194	50	6627000.265	788328.145	255° 26' 10.37 ( 75° 26' 10.37)	4.270
55	30° 27' 16.8136	120° 00' 09.3194	51	6627013.478	212169.251	255° 26' 10.37 ( 75° 26' 10.37)	4.270
56	30° 27' 16.8801	120° 00' 09.0224	50	6626990.420	788320.163	255° 30' 54.23 ( 75° 30' 54.23)	8.185
56	30° 27' 16.8801	120° 00' 09.0224	51	6627011.220	212161.378	255° 30' 54.23 ( 75° 30' 54.23)	8.185
57	30° 26' 57.0809	119° 59' 49.5439	50	6627622.105	787816.544	319° 33' 27.82 ( 139° 33' 27.82)	801.126
57	30° 26' 57.0809	119° 59' 49.5439	51	6627607.282	211625.361	319° 33' 27.82 ( 139° 33' 27.82)	801.126
58	30° 26' 51.2034	119° 59' 43.5892	50	6627807.362	787662.429	318° 43' 24.64 ( 138° 43' 24.64)	240.830
58	30° 26' 51.2034	119° 59' 43.5892	51	6627784.098	211461.629	318° 43' 24.64 ( 138° 43' 24.64)	240.830
59	30° 27' 01.7811	119° 59' 27.5801	50	6627492.863	787226.555	232° 40' 13.04 ( 52° 40' 13.04)	537.157
59	30° 27' 01.7811	119° 59' 27.5801	51	6627446.903	211043.059	232° 40' 13.04 ( 52° 40' 13.04)	537.157
60	30° 26' 25.4740	119° 58' 53.8875	50	6628634.987	786356.918	321° 11' 57.63 ( 141° 11' 57.63)	1434.637



The numeric precision shown does not reflect the spatial accuracy of the ground position.

Object Description : Constructed Object

Estimated area : 1060.9133 (Ha)

Datum : GDA94

1 Main Polygon description.

Id	Geographic coordinates		Zone	Grid coordinates		Azimuths and distances	
	Latitude (South)	Longitude (East)		Northing(m)	Easting(m)	Mid Azimuth	Spheroidal dist. (m)
60	30° 26' 25.4740	119° 58' 53.8875	51	6628541.282	210114.012	321° 11' 57.63 (141° 11' 57.63)	1434.637
61	30° 26' 20.1151	119° 59' 02.0993	50	6628794.266	786580.450	53° 00' 56.44 (233° 00' 56.44)	274.306
61	30° 26' 20.1151	119° 59' 02.0993	51	6628712.203	210328.782	53° 00' 56.44 (233° 00' 56.44)	274.306
62	30° 26' 52.6938	119° 59' 32.9355	50	6627768.990	787376.890	140° 38' 40.53 (320° 38' 40.53)	1297.472
62	30° 26' 52.6938	119° 59' 32.9355	51	6627730.625	211178.527	140° 38' 40.53 (320° 38' 40.53)	1297.472
63	30° 26' 48.1396	119° 59' 39.4294	50	6627904.680	787553.916	51° 00' 43.04 (231° 00' 43.04)	222.908
63	30° 26' 48.1396	119° 59' 39.4294	51	6627875.521	211348.103	51° 00' 43.04 (231° 00' 43.04)	222.908
64	30° 26' 45.4808	119° 59' 43.3184	50	6627983.827	787659.878	51° 43' 26.50 (231° 43' 26.50)	132.175
64	30° 26' 45.4808	119° 59' 43.3184	51	6627960.181	211449.715	51° 43' 26.50 (231° 43' 26.50)	132.175
65	30° 26' 50.1208	119° 59' 47.9199	50	6627837.645	787778.891	139° 19' 49.03 (319° 19' 49.03)	188.385
65	30° 26' 50.1208	119° 59' 47.9199	51	6627820.521	211576.320	139° 19' 49.03 (319° 19' 49.03)	188.385
66	30° 27' 03.1130	120° 00' 00.9120	50	6627428.245	788114.995	139° 05' 40.35 (319° 05' 40.35)	529.362
66	30° 27' 03.1130	120° 00' 00.9120	51	6627429.538	211933.682	139° 05' 40.35 (319° 05' 40.35)	529.362
67	30° 27' 17.9611	120° 00' 15.9149	50	6626960.238	788503.209	138° 48' 05.06 (318° 48' 05.06)	607.683
67	30° 27' 17.9611	120° 00' 15.9149	51	6626982.801	212346.193	138° 48' 05.06 (318° 48' 05.06)	607.683
68	30° 27' 16.5327	120° 00' 17.3752	50	6627003.199	788543.349	41° 31' 53.47 (221° 31' 53.47)	58.758
68	30° 27' 16.5327	120° 00' 17.3752	51	6627027.832	212383.995	41° 31' 53.47 (221° 31' 53.47)	58.758
69	30° 27' 17.3186	120° 00' 18.2137	50	6626978.395	788565.083	137° 15' 02.52 (317° 15' 02.52)	32.958
69	30° 27' 17.3186	120° 00' 18.2137	51	6627004.217	212407.015	137° 15' 02.52 (317° 15' 02.52)	32.958
70	30° 22' 38.2347	120° 04' 50.8555	50	6635379.207	796075.177	40° 15' 15.11 (220° 15' 15.11)	11260.956
70	30° 22' 38.2347	120° 04' 50.8555	51	6635790.945	219460.644	40° 15' 15.11 (220° 15' 15.11)	11260.956
71	30° 22' 38.1178	120° 04' 45.6280	50	6635386.607	795935.657	271° 28' 39.19 (91° 28' 39.19)	139.621
71	30° 22' 38.1178	120° 04' 45.6280	51	6635790.945	219320.942	271° 28' 39.19 (91° 28' 39.19)	139.621
72	30° 21' 51.6221	120° 04' 09.7871	50	6636844.837	795017.249	326° 14' 28.82 (146° 14' 28.82)	1722.175
72	30° 21' 51.6221	120° 04' 09.7871	51	6637198.348	218326.700	326° 14' 28.82 (146° 14' 28.82)	1722.175
73	30° 21' 40.4937	120° 04' 10.1192	50	6637187.388	795035.410	1° 28' 56.29 (181° 28' 56.29)	342.801
73	30° 21' 40.4937	120° 04' 10.1192	51	6637541.348	218326.700	1° 28' 56.29 (181° 28' 56.29)	342.801
74	30° 21' 39.4708	120° 04' 49.0984	50	6637190.627	796077.495	88° 15' 59.84 (268° 15' 59.84)	1041.383
74	30° 21' 39.4708	120° 04' 49.0984	51	6637599.746	219367.045	88° 15' 59.84 (268° 15' 59.84)	1041.383
75	30° 20' 19.2232	120° 04' 51.4826	50	6639660.809	796208.412	1° 28' 33.80 (181° 28' 33.80)	2471.963
75	30° 20' 19.2232	120° 04' 51.4826	51	6640073.123	219367.045	1° 28' 33.80 (181° 28' 33.80)	2471.963
76	30° 20' 20.4253	120° 05' 45.4272	50	6639584.499	797648.732	91° 28' 17.81 (271° 28' 17.81)	1441.348
76	30° 20' 20.4253	120° 05' 45.4272	51	6640073.123	220809.210	91° 28' 17.81 (271° 28' 17.81)	1441.348
77	30° 21' 09.7241	120° 05' 44.0234	50	6638066.933	797569.732	181° 24' 53.08 (1° 24' 53.08)	1518.568
77	30° 21' 09.7241	120° 05' 44.0234	51	6638553.702	220810.628	181° 24' 53.08 (1° 24' 53.08)	1518.568
78	30° 21' 22.2478	120° 05' 43.6668	50	6637681.414	797549.661	181° 24' 53.55 (1° 24' 53.55)	385.774
78	30° 21' 22.2478	120° 05' 43.6668	51	6638167.711	220810.991	181° 24' 53.55 (1° 24' 53.55)	385.774
79	30° 21' 42.0678	120° 05' 54.3910	50	6637063.047	797819.446	154° 51' 45.18 (334° 51' 45.18)	674.189
79	30° 21' 42.0678	120° 05' 54.3910	51	6637564.574	221113.094	154° 51' 45.18 (334° 51' 45.18)	674.189
80	30° 22' 40.3509	120° 06' 25.9344	50	6635244.605	798612.778	154° 51' 35.72 (334° 51' 35.72)	1982.579



The numeric precision shown does not reflect the spatial accuracy of the ground position.

Object Description : Constructed Object

Estimated area : 1060.9133 (Ha)

Datum : GDA94

1 Main Polygon description.

Id	Geographic coordinates		Grid coordinates			Azimuths and distances	
	Latitude (South)	Longitude (East)	Zone	Northing(m)	Easting(m)	Mid Azimuth	Spheroidal dist. (m)
80	30° 22' 40.3509	120° 06' 25.9344	51	6635790.945	222001.485	154° 51' 35.72 (334° 51' 35.72)	1982.579
81	30° 22' 40.1114	120° 06' 15.1303	50	6635259.901	798324.422	271° 27' 52.51 (91° 27' 52.51)	288.559
81	30° 22' 40.1114	120° 06' 15.1303	51	6635790.945	221712.765	271° 27' 52.51 (91° 27' 52.51)	288.559

**Attachment B**

