



# Works Approval

**Works approval number** W2918/2025/1

**Works approval holder** BHP Iron Ore Pty Ltd  
**ACN** 008 700 981  
**Registered business address** Level 1, 125 St Georges Tce  
PERTH WA 6000  
**DWER file number** APP-0027214

**Duration** 12/12/2025 to 11/12/2029

**Date of issue** 12/12/2025

**Premises details** Wheelarra Hill (Jimblebar) Iron Ore Mine  
Tenements AM70/266 and ML244SA  
NEWMAN WA 6753

As defined by the coordinates in Schedule 2

Prescribed premises category description (Schedule 1, <i>Environmental Protection Regulations 1987</i> )	Assessed production / design capacity
Category 5: Processing or beneficiation of metallic or non-metallic ore	45,000,000 tonnes per annum

This works approval is granted to the works approval holder, subject to the attached conditions, on 12 December 2025, by:

**MANAGER, RESOURCE INDUSTRIES**

*Officer delegated under section 20 of the Environmental Protection Act 1986*

## Works approval history

Date	Reference number	Summary of changes
12/12/2025	W2918/2025/1	Works approval granted.

## Interpretation

In this works approval:

- (a) the words 'including', 'includes' and 'include' in conditions mean "including but not limited to", and similar, as appropriate;
- (b) where any word or phrase is given a defined meaning, any other part of speech or other grammatical form of that word or phrase has a corresponding meaning;
- (c) where tables are used in a condition, each row in a table constitutes a separate condition;
- (d) any reference to an Australian or other standard, guideline, or code of practice in this works approval:
  - (i) if dated, refers to that particular version; and
  - (ii) if not dated, refers to the latest version and therefore may be subject to change over time;
- (e) unless specified otherwise, any reference to a section of an Act refers to that section of the EP Act; and
- (f) unless specified otherwise, all definitions are in accordance with the EP Act.

**NOTE:** This works approval requires specific conditions to be met but does not provide any implied authorisation for other emissions, discharges, or activities not specified in this works approval.

# Works approval conditions

The works approval holder must ensure that the following conditions are complied with:

## Construction phase

### Infrastructure and equipment

1. The works approval holder must:
  - (a) construct and/or install the infrastructure and/or equipment;
  - (b) in accordance with the corresponding design and construction / installation requirements; and
  - (c) at the corresponding infrastructure location; and
  - (d) within the corresponding timeframe,
 as set out in Table 1.

**Table 1: Design and construction / installation requirements**

	Infrastructure	Part	Design and construction / installation requirements	Infrastructure location	Timeframe
<b>Category 5</b>					
1.	Beneficiation Plant	Dry Inflow and Outflow System	Dust controls: <ul style="list-style-type: none"> <li>• Beneficiation Plant Feed Conveyor CV131 will be fitted with ploughs, scrapers, skirt modules, dust hoods and bulk ore conditioning sprays;</li> <li>• Enclosed transfer points; and</li> <li>• Reduced height of transfer points and speed of falling ore (reducing concertina effect reduces dust).</li> </ul> Noise controls: <ul style="list-style-type: none"> <li>• Enclosed transfer points; and</li> <li>• Reduced height of transfer points and speed of falling ore (reducing concertina effect reduces noise).</li> </ul> Stormwater controls: <ul style="list-style-type: none"> <li>• Broader Jimblebar stockyard has been designed to prevent the run-off off sediment laden water;</li> <li>• Drainage system will be installed below the fines stockpile in the stockyard</li> </ul>	Schedule 1: Maps, Figure 1, Figure 2, Figure 3	Prior to the submittal of the Environmental Compliance Report required by Condition 3

	Infrastructure	Part	Design and construction / installation requirements	Infrastructure location	Timeframe
			<p>to remove water that percolates through the stockpile to the base layer; and</p> <ul style="list-style-type: none"> <li>System will include drainage channels below the sacrificial layer, consisting of a combination of permeable media and slotted drainage pipes, draining to a collection point at the eastern end of the stockyard. From there, the collected water will be pumped back to the Beneficiation Plant and returned to the process.</li> </ul>		
2.		Beneficiation / Wet Processing Plant and Plant Services	<p>Noise controls:</p> <ul style="list-style-type: none"> <li>Vacuum pumps for belt filters have silencers installed;</li> <li>Air compressors are encased in enclosures;</li> <li>Enclosed transfer points; and</li> <li>Reduced height of transfer points and speed of falling ore (reducing concertina effect reduces dust).</li> </ul> <p>Hydrocarbons / Chemicals and Stormwater controls:</p> <ul style="list-style-type: none"> <li>The flocculant reagent area will be self-bunded and will have a sump pump to aid housekeeping and clean-up;</li> <li>The thickener will be a concrete design to prevent infiltration;</li> <li>Hydrocarbon storage areas will be bunded and any spills will be cleaned up;</li> <li>All drives will be located over concrete bunded slabs with sumps; and</li> <li>All drainage from the beneficiation plant pad</li> </ul>	Schedule 1: Maps, Figure 1, Figure 2, Figure 3	Prior to the submittal of the Environmental Compliance Report required by Condition 3

	Infrastructure	Part	Design and construction / installation requirements	Infrastructure location	Timeframe
			reports to centralised surface water drainage from adjacent OHP.		
3.	Tailings Disposal System	Swan in-Pit TSF De Grey In-Pit TSF	<ul style="list-style-type: none"> <li>Freeboard designed at 0.5 m above 1:100 AEP, 72-hour storm events;</li> <li>Decant will be achieved at each location using a trailer mounted direct diesel driven pump set, with a floating suction arrangement used to draw the supernatant furthest from the settling solids as possible;</li> <li>Deposition points will be a single discharge location at each pit via the HDPE deposition pipeline; and</li> <li>The deposition pipe outlets will extend beyond the existing pit crest or partially down the pit face to facilitate discharge of tailings onto competent material to minimise adverse erosion of the pit slopes.</li> </ul>	Schedule 1: Maps, Figure 1, Figure 4	Prior to the submittal of the Environmental Compliance Report required by Condition 3
		Pumps and Pipelines	<p>Pipeline design:</p> <ul style="list-style-type: none"> <li>Has considered factors such as: <ul style="list-style-type: none"> <li>➤ Pressure;</li> <li>➤ Temperature;</li> <li>➤ The nature of the transported materials;</li> <li>➤ Location of tailings containment sumps and tailings cut-off drains; and</li> <li>➤ Associated road alignments to reduce potential vehicle interactions.</li> </ul> </li> <li>Rating exceeds maximum pressure output from pumping infrastructure;</li> <li>Avoids areas susceptible to natural hazards</li> </ul>	Schedule 1: Maps, Figure 1, Figure 4	Prior to the submittal of the Environmental Compliance Report required by Condition 3

	Infrastructure	Part	Design and construction / installation requirements	Infrastructure location	Timeframe
			<p>(flooding), where practicable; and</p> <ul style="list-style-type: none"> <li>An automated monitoring system which continuously tracks the pipeline's performance and provides real-time alerts and shutdown in the event an anomaly is detected.</li> </ul> <p>In the event of a pipe rupture:</p> <ul style="list-style-type: none"> <li>The automated emergency shutdown system will engage to prevent any further discharge. This system will be triggered by abnormal conditions (e.g. a flow meter discrepancy); and</li> <li>Any areas impacted by a tailings leak will be assessed and remediated by removing the discharged tailings solids from impacted area.</li> </ul>		

2. The works approval holder must monitor groundwater to obtain baseline environmental conditions for concentrations of the identified parameters in accordance with Condition 13.

**Compliance reporting**

3. The works approval holder must within 60 calendar days of an item of infrastructure or equipment required by Condition 1 being constructed and/or installed:
  - (a) undertake an audit of their compliance with the requirements of Condition 1; and
  - (b) prepare and submit to the CEO an Environmental Compliance Report on that compliance.
4. The Environmental Compliance Report required by Condition 3, must include as a minimum the following:
  - (a) certification by a suitably qualified person that the items of infrastructure or component(s) thereof, as specified in Condition 1 have been constructed in accordance with the relevant requirements specified in Condition 1;
  - (b) as constructed plans and a detailed site plan for each item of infrastructure or component of infrastructure specified in Condition 1; and
  - (c) be signed by a person authorised to represent the works approval holder and contains the printed name and position of that person.

## Environmental commissioning phase

### Environmental commissioning requirements and emission limits

5. The works approval holder may only commence environmental commissioning of an item of infrastructure identified in Condition 6 once the Environmental Compliance Report has been submitted for that item of infrastructure in accordance with Condition 3 and 4.
6. Any environmental commissioning activities undertaken for an item of infrastructure specified in Table 2 may only be carried out:
  - (a) In accordance with the corresponding commissioning requirements; and
  - (b) For the corresponding authorized commissioning duration.

**Table 2: Environmental commissioning requirements**

	Infrastructure	Commissioning requirements	Authorised commissioning duration
<b>Category 5</b>			
1.	Beneficiation Plant	<ul style="list-style-type: none"> <li>• Dust extraction equipment regularly maintained;</li> <li>• Stormwater drainage controls regularly maintained; and</li> <li>• Twice daily visual inspections to ensure dust controls, stormwater controls and hydrocarbons / chemicals controls are working effectively.</li> </ul>	For a period not exceeding 10 calendar months in aggregate
2.	Tailings Disposal System	<p>General:</p> <ul style="list-style-type: none"> <li>• Freeboard of 500mm maintained;</li> <li>• Tailings discharge of up to 33,750,000 tonnes (45,000,000 tonnes per annum);</li> <li>• Tailings thickened to &gt;45% w/w solids; and</li> <li>• Decant pond to be maintained at the minimum size.</li> </ul> <p>De Grey Pit Lake water to be neutralised prior to commencement of tailings deposition into De Grey pit to achieve a circum-neutral conditions (pH~6.5) for the initial months of tailings deposition.</p> <p>To maximise storage tailings deposition will be cycled between the De Grey IPTSF, and Swan IPTSFs approximately every two weeks which will allow for solids to settle and slurry water to be decanted. This will be via manually operated valves at a bifurcation of the tailings pipeline in the IPTSFs area.</p> <p>The decant pumping points will be moved as tailings / decant water levels increase over time. The decant water will then be pumped from the IPTSFs overland to the Beneficiation Plant process water ponds for reuse.</p> <p>Regular inspections and testing during the construction and commissioning process to identify and rectify any errors or deficiencies.</p>	For a period not exceeding 9 calendar months in aggregate

	Infrastructure	Commissioning requirements	Authorised commissioning duration
		<p>In the event of a pipe rupture:</p> <ul style="list-style-type: none"> <li>• The automated emergency shutdown system will engage to prevent any further discharge. This system will be triggered by abnormal conditions (e.g. a flow meter discrepancy); and</li> <li>• Any areas impacted by a tailings leak will be assessed and remediated by removing the discharged tailings solids from impacted area.</li> </ul> <p>Daily inspections logs of the following:</p> <ul style="list-style-type: none"> <li>• Routine inspections for all components of the TSFs including: <ul style="list-style-type: none"> <li>➤ Pumps, valves;</li> <li>➤ Discharge locations and beaching performance;</li> <li>➤ Location and size of decant pond;</li> <li>➤ General integrity of embankment;</li> <li>➤ Seepage downstream of main embankment including the embankment toe and seepage trench; and</li> <li>➤ Fauna entrapment.</li> </ul> </li> </ul> <p>Quarterly records of the following:</p> <ul style="list-style-type: none"> <li>• Groundwater monitoring.</li> </ul>	

### Monitoring during environmental commissioning

7. The works approval holder must monitor groundwater during environmental commissioning for concentrations of the identified parameters in accordance with Condition 13.
8. The works approval holder must submit to the CEO an Environmental Commissioning Report within 60 calendar days of the completion of environmental commissioning for each item of infrastructure specified in Table 2.
9. The works approval holder must ensure the Environmental Commissioning Report required by Condition 8 of this works approval includes the following:
  - (a) a summary of the environmental commissioning activities undertaken, including timeframes and amount of iron ore processed;
  - (b) The ambient concentrations monitoring results recoded in accordance with Condition 7.
  - (c) a summary of the environmental performance of each item of infrastructure or equipment as constructed or installed (as applicable), which at minimum includes records detailing the:
    - (i) Environmental commissioning of the system;
    - (ii) Testing the system; and
    - (iii) Commissioning of the process control system; and
  - (d) a review of the works approval holder's performance and compliance against the conditions of this works approval; and

- (e) where they have not been met, measures proposed to meet the manufacturer's design specifications and the conditions of this works approval, together with timeframes for implementing the proposed measures.

## Time limited operations phase

### Commencement and duration

10. The works approval holder may only commence time limited operations for an item of infrastructure identified in Condition 12:
- where the item of infrastructure is not authorised to undertake environmental commissioning, the Environmental Compliance Report as required by Condition 3 and 4 has been submitted by the works approval holder for that item of infrastructure; and
  - where the item of infrastructure is authorised to undertake environmental commissioning under Condition 6, the Environmental Commissioning Report for that item of infrastructure as required by Condition 8 and 9 has been submitted by the works approval holder.
11. The works approval holder may conduct time limited operations for an item of infrastructure specified in Condition 12 (as applicable);
- for a period not exceeding 180 calendar days from the day the works approval holder meets the requirements of Condition 10 for that item of infrastructure; or
  - until such time as a licence for that item of infrastructure is granted in accordance with Part V of the *Environmental Protection Act 1986*, if one is granted before the end of the period specified in Condition 11(a).

### Time limited operations requirements

12. During time limited operations, the works approval holder must ensure that the premises infrastructure and equipment listed in Table 3 and located at the corresponding infrastructure location is maintained and operated in accordance with the corresponding operational requirement set out in Table 3.

**Table 3: Infrastructure and equipment requirements during time limited operations**

	Site infrastructure and equipment	Operational requirement	Infrastructure location
<b>Category 5</b>			
1.	Beneficiation Plant	<ul style="list-style-type: none"> <li>Dust extraction equipment regularly maintained;</li> <li>Stormwater drainage controls regularly maintained; and</li> <li>Twice daily visual inspections to ensure dust controls, stormwater controls and hydrocarbons / chemicals controls are working effectively.</li> </ul>	Schedule 1: Maps, Figure 1, Figure 2, Figure 3
2.	Tailings Disposal System	General: <ul style="list-style-type: none"> <li>Freeboard of 500mm maintained;</li> </ul>	Schedule 1: Maps, Figure 1, Figure 4

	Site infrastructure and equipment	Operational requirement	Infrastructure location
		<ul style="list-style-type: none"> <li>• Tailings discharge of up to 22,500,000 tonnes (45,000,000 tonnes per annum);</li> <li>• Tailings thickened to &gt;45% w/w solids; and</li> <li>• Decant pond to be maintained at the minimum size.</li> </ul> <p>To maximise storage tailings deposition will be cycled between the De Grey IPTSF, and Swan IPTSFs approximately every two weeks which will allow for solids to settle and slurry water to be decanted. This will be via manually operated valves at a bifurcation of the tailings pipeline in the IPTSFs area.</p> <p>The decant pumping points will be moved as tailings / decant water levels increase over time. The decant water will then be pumped from the IPTSFs overland to the Beneficiation Plant process water ponds for reuse.</p> <p>Daily inspections logs of the following:</p> <ul style="list-style-type: none"> <li>• Routine inspections for all components of the TSFs including: <ul style="list-style-type: none"> <li>➢ Pumps, valves;</li> <li>➢ Discharge locations and beaching performance;</li> <li>➢ Location and size of decant pond;</li> <li>➢ General integrity of embankment;</li> <li>➢ Seepage downstream of main embankment including the embankment toe and seepage trench; and</li> <li>➢ Fauna entrapment.</li> </ul> </li> </ul> <p>Quarterly records of the following:</p> <ul style="list-style-type: none"> <li>• Groundwater monitoring.</li> </ul>	

**Monitoring during environmental commissioning and time limited operations**

- 13.** The works approval holder must monitor groundwater for baseline concentrations and during environmental commissioning and time limited operations for concentrations of the identified parameters in accordance with Table 4.

**Table 4: Monitoring of ambient concentrations for baseline concentrations and during environmental commissioning and time limited operations**

	Parameter	Monitoring location	Unit	Frequency	Averaging Period	Method Sampling and Analysis
1.	SWL	EB0258RM	mbgl	At least twice, 3 months prior to the commencement of commissioning for baseline monitoring.  Monthly during environmental commissioning.  Quarterly during time limited operations.	Spot sample	AS/NZS 5667.1 AS/NZS 5667.11
2.	Electrical conductivity (EC)	PM-3	µS/cm			
		HEJ0026M				
3.	pH	HMG0120M	pH units			
4.	Salinity	HMG0132M	mg/L			
5.	Redox and Dissolved Oxygen (DO)					
6.	Total Dissolved Solids (TDS)					
7.	Total Suspended Solids (TSS)					
8.	Bicarbonate alkalinity (HCO <sub>3</sub> <sup>-</sup> )					
9.	Total alkalinity					
10.	Hardness (CaCO <sub>3</sub> )					
11.	Aluminium (Al)					
12.	Antimony (Sb)					
13.	Arsenic (As)					
14.	Boron (B)					
15.	Barium (Ba)					
16.	Beryllium (Be)					
17.	Cadmium (Cd)					
18.	Calcium (Ca)					
19.	Cobalt (Co)					
20.	Chloride (Cl <sup>-</sup> )					

	Parameter	Monitoring location	Unit	Frequency	Averaging Period	Method Sampling and Analysis
21.	Chromium (Cr)					
22.	Copper (Cu)					
23.	Fluorine (F <sup>-</sup> )					
24.	Iron (Fe)					
25.	Lead (Pb)					
26.	Lithium (Li)					
27.	Magnesium (Mg)					
28.	Manganese (Mn)					
29.	Mercury (Hg)					
30.	Molybdenum (Mo)					
31.	Nickel (Ni)					
32.	Nitrate as N (NO <sup>3-</sup> )					
33.	Nitrite as N (NO <sup>2-</sup> )					
34.	Nitrogen oxides (NO <sub>x</sub> as N)					
35.	Nitrogen (Total N)					
36.	Total Kjeldahl Nitrogen (TKN)					
37.	Phosphorus (Total P)					
38.	Potassium (K)					
39.	Silica (SiO <sub>2</sub> )					
40.	Selenium (Se)					
41.	Sodium (Na)					
42.	Strontium (Sr)					

	Parameter	Monitoring location	Unit	Frequency	Averaging Period	Method Sampling and Analysis
43.	Sulfate (SO <sub>4</sub> <sup>2-</sup> )					
44.	Tin (Sn)					
45.	Titanium (T)					
46.	Uranium (U)					
47.	Vanadium (V)					
48.	Zinc (Zn)					

14. The works approval holder must record the results of all monitoring activity required by Condition 13.
15. The works approval holder must, in the event of a parameter in condition 13 exceeding the corresponding trigger values specified in Table 5, undertake the management actions that correspond with the relevant parameters and corresponding monitoring locations within the corresponding timeframe as specified in Table 5.

**Table 5: Management actions required in the event of trigger value exceedance during environmental commissioning and time limited operations**

	Parameter	Parameter	Trigger Value	Reason for Trigger Value	Management actions	Timeframe
1.	EB0258RM	SWL	Depth to groundwater is less than 15 mbgl	Maximum depth for Eucalyptus roots is ~15 mbgl	1. Investigate potential causes of exceedance of trigger values including a comparison to water levels in the surrounding monitoring bores to identify cause 2. Implement the actions identified in the investigation	1. One month after the exceedance is identified
2.	PM-3					
3.	HEJ0026M					
4.	HMG0120M					
5.	HMG0132M					
6.	EB0258RM	pH	6.0 to 8.5	Based on the Site Specific Trigger Values (SSTVs) developed by Golder, (2015) and HGG (2023)		
7.	PM-3					
8.	HEJ0026M					
9.	HMG0120M					
10.	HMG0132M					
11.	EB0258RM	TDS	800 mg/L	Observed TDS P90 in OB31 aquifer	2. In accordance with the timeframe(s) identified in the exceedance	
12.	PM-3		1,900 mg/L	Predicted P90 for mixed pond		

	Parameter	Parameter	Trigger Value	Reason for Trigger Value	Management actions	Timeframe
				and entrained water seepage from Swan IPTSF		investigation
13.	HEJ0026M		1,600 mg/L	Observed TDS P90 in regional aquifer, based on 240 separate TDS observations between 2007 and 2024		
14.	HMG0120M		1,600 mg/L			
15.	HMG0132M		1,600 mg/L			

16. During the first 60 calendar days of time limited operations, the works approval holder must conduct saturated column kinetic testing of representative waste from the De Grey IPTSF. The leaching test methodology shall be representative of the anoxic conditions likely to be present at the Grey IPTSF and follow the protocol outlined in Watson *et al* 2016. The works approval holder shall analyse the concentrations of contaminants in the leachate and detail the methodology used, source of the samples and the results in a report.
17. Within 60 days of the preparation of the report required by Condition 16 the works approval holder must submit the report to the CEO.

### Compliance reporting

18. The works approval holder must submit to the CEO a report on the time limited operations within 60 calendar days of the completion date of time limited operations or 60 calendar days before the expiration date of the works approval, whichever is the sooner.
19. The works approval must ensure the report required by Condition 18 includes the following:
  - (a) a summary of the time limited operations, including timeframes and amount of iron ore processed;
  - (b) a summary of ambient groundwater results obtained in accordance with Condition 13;
  - (c) a summary of the environmental performance of all infrastructure as constructed or installed (as applicable), which includes records detailing the:
    - (i) amount of iron bearing ore processed; and
    - (ii) amount of iron ore product produced; and
  - (d) a review of operational performance and compliance against the conditions of the works approval and the Environmental Commissioning Report; and
  - (e) where the manufacturer’s design specifications and the conditions of this works approval have not been met, what measures will the works approval holder take to meet them, and what timeframes will be required to implement those measures.

## Records and reporting (general)

- 20.** The works approval holder must record the following information in relation to complaints received by the works approval holder (whether received directly from a complainant or forwarded to them by the Department or another party) about any alleged emissions from the premises:
- (a) the name and contact details of the complainant, (if provided);
  - (b) the time and date of the complaint;
  - (c) the complete details of the complaint and any other concerns or other issues raised; and
  - (d) the complete details and dates of any action taken by the works approval holder to investigate or respond to any complaint.
- 21.** The works approval holder must maintain accurate and auditable books including the following records, information, reports, and data required by this works approval:
- (a) the works conducted in accordance with Condition 1;
  - (b) any maintenance of infrastructure that is performed in the course of complying with Conditions 1, 6 and 12;
  - (c) monitoring programmes undertaken in accordance with Condition 13; and
  - (d) complaints received under Condition 20.
- 22.** The books specified under Condition 21 must:
- (a) be legible;
  - (b) if amended, be amended in such a way that the original version(s) and any subsequent amendments remain legible and are capable of retrieval;
  - (c) be retained by the works approval holder for the duration of the works approval; and
  - (d) be available to be produced to an inspector or the CEO as required.

## Definitions

In this works approval, the terms in Table 6 have the meanings defined.

**Table 6: Definitions**

Term	Definition
AS/NZS 5667.1	means the Australian Standard AS/NZS 5667.1 Water Quality – Sampling – Guidance of the Design of sampling programs, sampling techniques and the preservation and handling of samples.
AS/NZS 5667.11	means the Australian Standard AS/NZS 5667.11 Water Quality – Sampling – Guidance on sampling of groundwaters.
books	has the same meaning given to that term under the EP Act.
CEO	means Chief Executive Officer. CEO for the purposes of notification means:  Director General Department administering the <i>Environmental Protection Act 1986</i> Locked Bag 10 Joondalup DC WA 6919 <a href="mailto:info@dwer.wa.gov.au">info@dwer.wa.gov.au</a>
Department	means the department established under section 35 of the <i>Public Sector Management Act 1994</i> and designated as responsible for the administration of Part V Division 3 of the EP Act.
discharge	has the same meaning given to that term under the EP Act.
emission	has the same meaning given to that term under the EP Act.
environmental commissioning	means the sequence of activities to be undertaken to test equipment integrity and operation, or to determine the environmental performance, of equipment and infrastructure to establish or test a steady state operation and confirm design specifications.
Environmental Commissioning Report	means a report on any commissioning activities that have taken place and a demonstration that they have concluded, with focus on emissions and discharges, waste containment, and other environmental factors.
Environmental Compliance Report	means a report to satisfy the CEO that the conditioned infrastructure and/or equipment has been constructed and/or installed in accordance with the works approval.
EP Act	<i>Environmental Protection Act 1986</i> (WA).
EP Regulations	<i>Environmental Protection Regulations 1987</i> (WA).

Term	Definition
premises	the premises to which this licence applies, as specified at the front of this licence and as shown on the premises map (Figure 1) in Schedule 1 to this works approval.
prescribed premises	has the same meaning given to that term under the EP Act.
time limited operations	refers to the operation of the infrastructure and equipment identified under this works approval that is authorised for that purpose, subject to the relevant conditions.
waste	has the same meaning given to that term under the EP Act.
Watson <i>et al</i> 2016	Watson, A., Linklater, C. and Chapman, J., 2016. Backfilled Pits – Laboratory-scale Tests for Assessing Impacts on Groundwater Quality. Proceedings of the AusIMM Life-of-Mine Conference, Brisbane, 28-30 September 2016. The paper is available from the following website: <a href="https://www.ausimm.com/publications/conference-proceedings/life-of-mine-2016/backfilled-pits---laboratory-scale-tests-for-assessing-impacts-on-groundwater-quality/">https://www.ausimm.com/publications/conference-proceedings/life-of-mine-2016/backfilled-pits---laboratory-scale-tests-for-assessing-impacts-on-groundwater-quality/</a> .
works approval	refers to this document, which evidences the grant of the works approval by the CEO under section 54 of the EP Act, subject to the conditions.
works approval holder	refers to the occupier of the premises being the person to whom this works approval has been granted, as specified at the front of this works approval.

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**END OF CONDITIONS**

## Schedule 1: Maps

### Premises map

The boundary of the prescribed premises is shown in the map below (Figure 1).

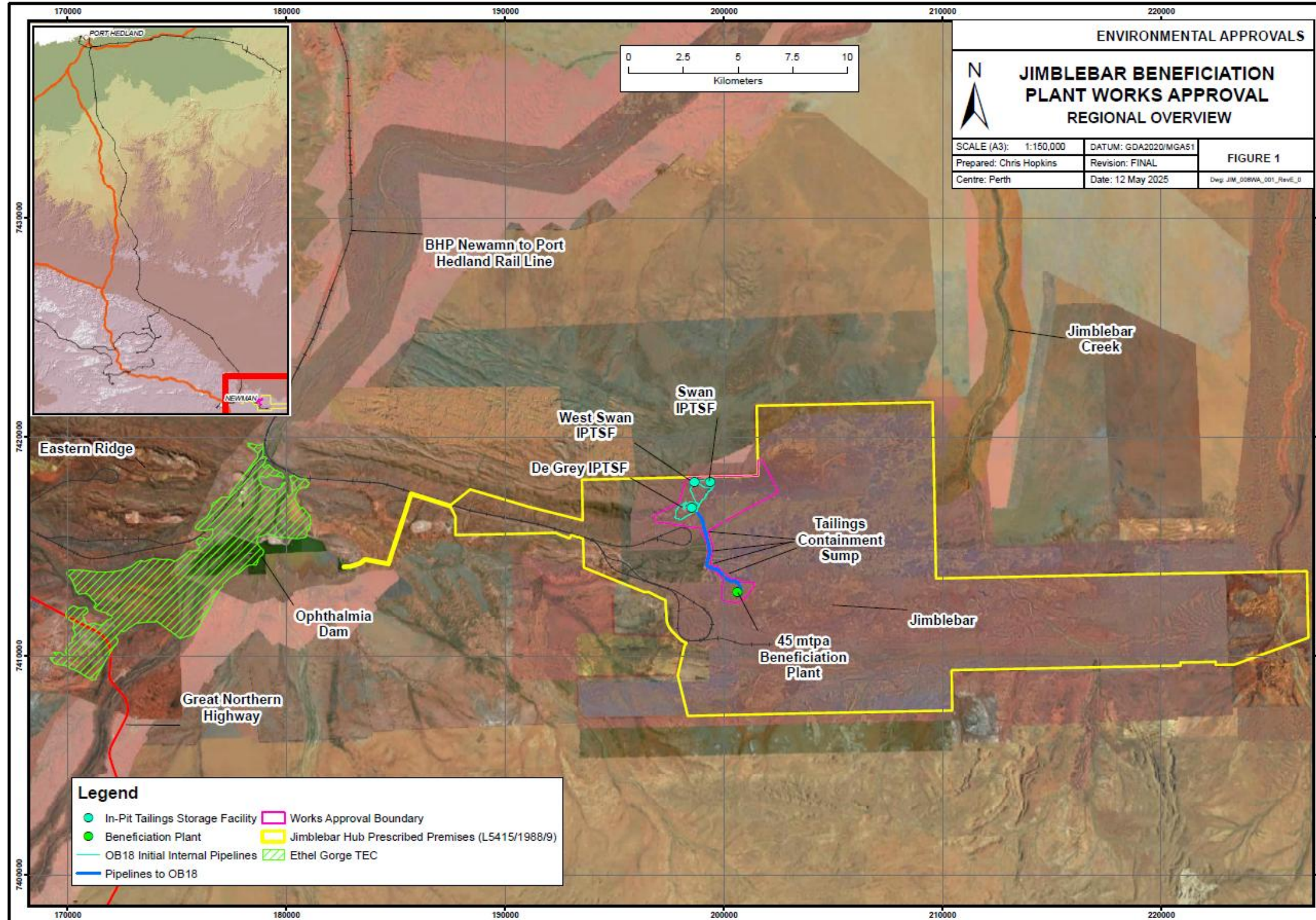
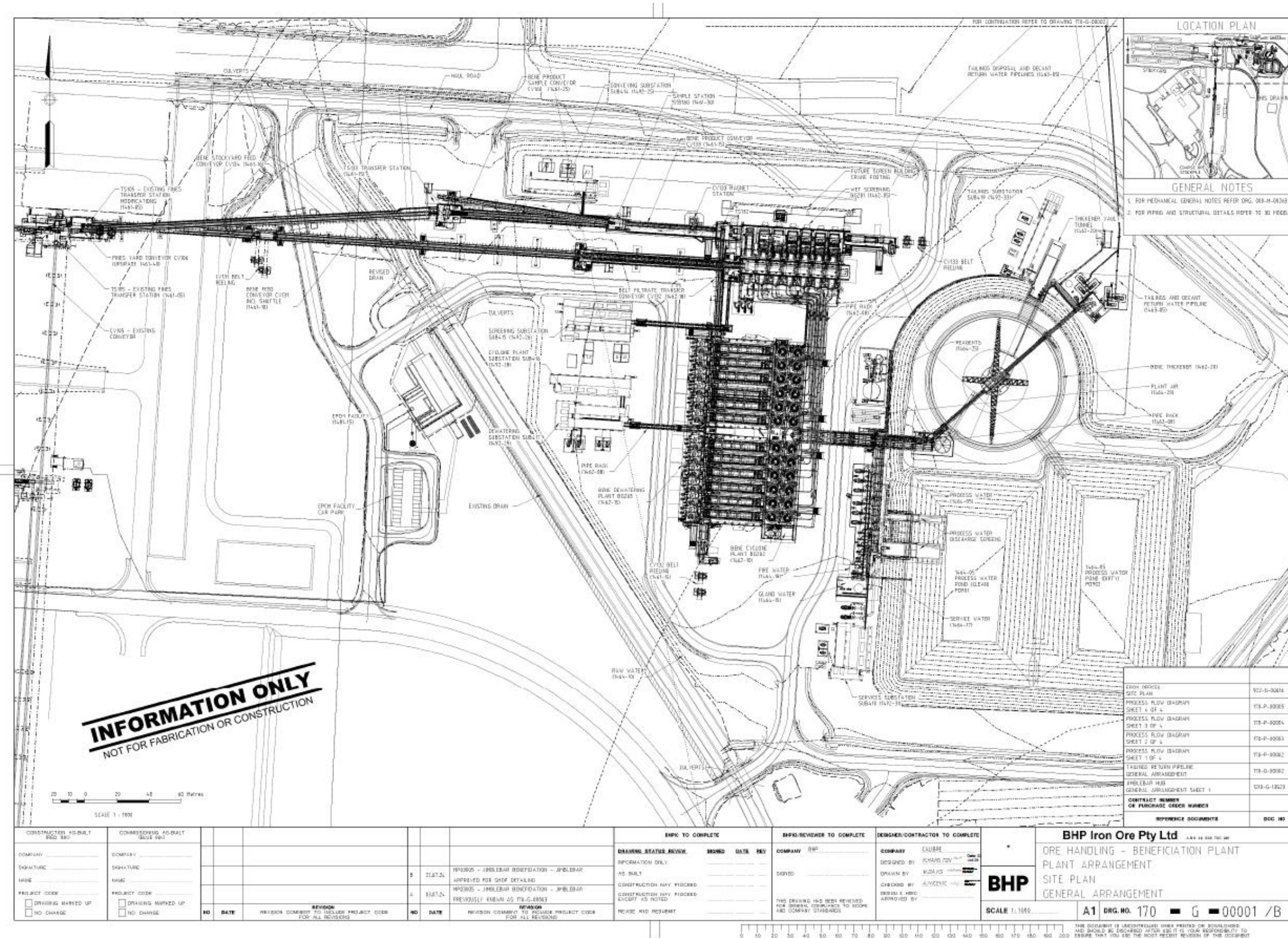
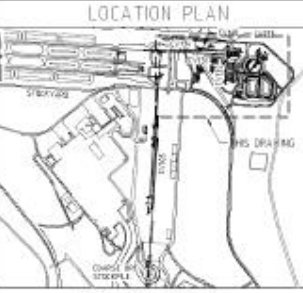


Figure 1: Map of the boundary of the prescribed premises



**INFORMATION ONLY**  
NOT FOR FABRICATION OR CONSTRUCTION



**GENERAL NOTES**  
1. FOR MECHANICAL GENERAL NOTES REFER DRG. 001-N-0003  
2. FOR PIPING AND STRUCTURAL DETAILS REFER TO 3D MODELS

REFERENCE DOCUMENTS	DOC NO
EPH01 - OVERALL SITE PLAN	022-G-0001a
PROCESS FLOW DIAGRAM SHEET 4 OF 4	018-P-0005
PROCESS FLOW DIAGRAM SHEET 3 OF 4	018-P-0004
PROCESS FLOW DIAGRAM SHEET 2 OF 4	018-P-0003
PROCESS FLOW DIAGRAM SHEET 1 OF 4	018-P-0002
TAILINGS RETURN PIPING GENERAL ARRANGEMENT	018-D-0002
PROLEGOR HUB GENERAL ARRANGEMENT SHEET 1	019-G-1003
CONTRACT NUMBER OR FABRICATION ORDER NUMBER	

CONSTRUCTORS AS-BUILT		DESIGNERS AS-BUILT		BHP TO COMPLETE		INFO/REVIEWER TO COMPLETE		DESIGNER/CONTRACTOR TO COMPLETE		BHP Iron Ore Pty Ltd	
COMPANY	NAME	COMPANY	NAME	DATE	BY	DATE	BY	DATE	BY	PROJECT CODE	SCALE 1:1000
SIGNATURE		SIGNATURE		APPROVED FOR SHOP DETAILING		APPROVED FOR SHOP DETAILING		APPROVED FOR SHOP DETAILING		A1 DRG. NO. 170 - G - 00001 / B	
PROJECT CODE		PROJECT CODE		REVISION		REVISION		REVISION		BHP	
NO. DATE		NO. DATE		NO. DATE		NO. DATE		NO. DATE		SCALE 1:1000	

Figure 2: Ore Handling – Beneficiation Plant – General Arrangement

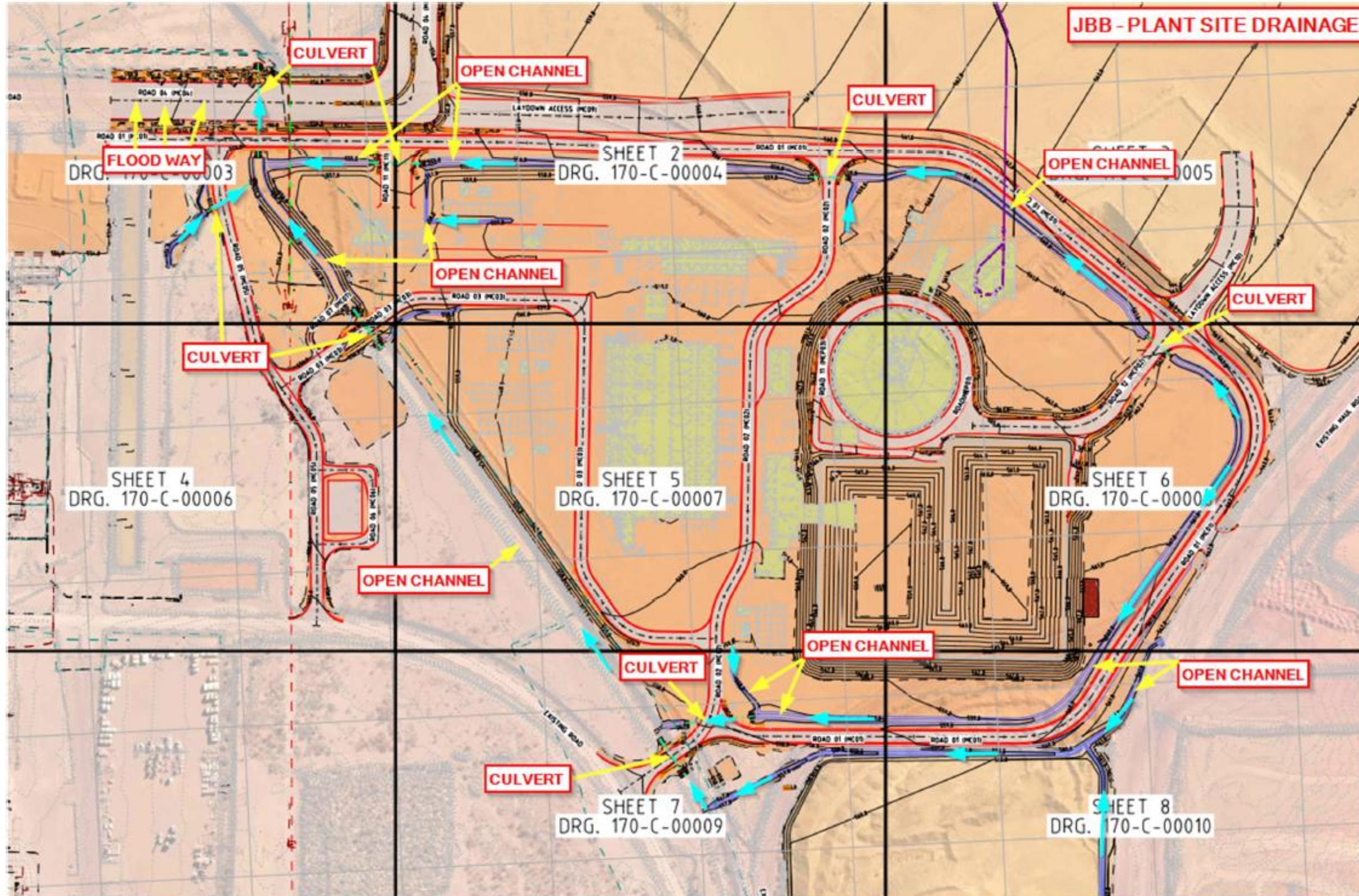


Figure 3: Beneficiation Plant Drainage Layout

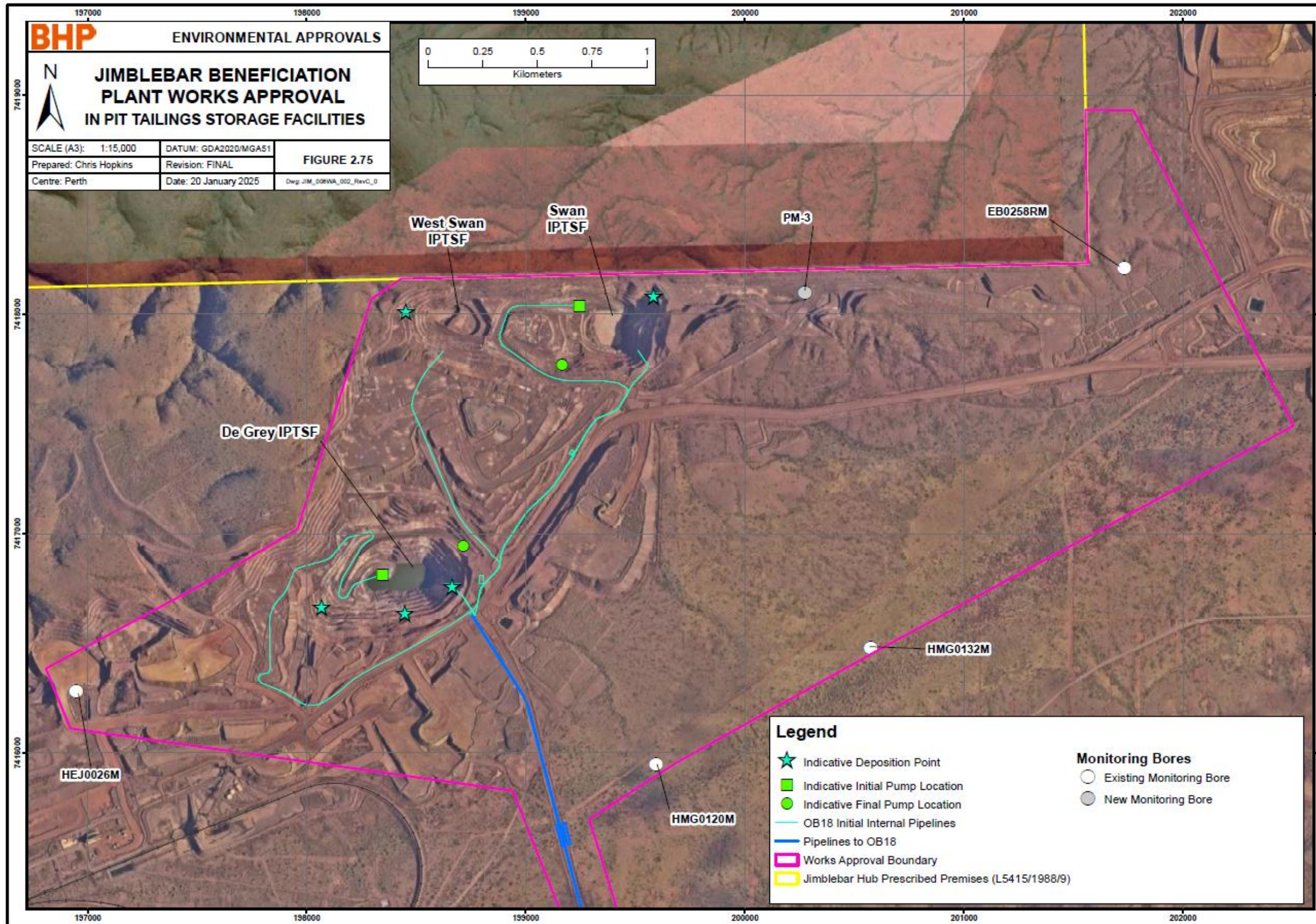


Figure 4: In-Pit Tailings Storage Facilities Groundwater Monitoring Network

## Schedule 2: Premises boundary

The corners of the premises boundary are the coordinates listed in Table 7.

**Table 7: Premises boundary coordinates (GDA2020)**

	<b>Easting</b>	<b>Northing</b>	<b>Zone</b>
1.	201555.87	7418932.83	GDA 2020 MGA51
2.	201773.93	7418929.80	GDA 2020 MGA51
3.	202506.02	7417492.50	GDA 2020 MGA51
4.	199290.80	7415697.75	GDA 2020 MGA51
5.	199481.51	7415082.03	GDA 2020 MGA51
6.	199500.82	7414753.71	GDA 2020 MGA51
7.	199413.92	7414425.40	GDA 2020 MGA51
8.	199394.60	7414155.02	GDA 2020 MGA51
9.	199713.26	7414077.76	GDA 2020 MGA51
10.	200369.90	7413517.69	GDA 2020 MGA51
11.	200727.19	7413479.06	GDA 2020 MGA51
12.	200833.82	7413360.85	GDA 2020 MGA51
13.	201378.31	7413366.21	GDA 2020 MGA51
14.	201386.54	7413198.86	GDA 2020 MGA51
15.	200930.48	7412601.00	GDA 2020 MGA51
16.	200547.50	7412417.31	GDA 2020 MGA51
17.	199943.70	7412529.91	GDA 2020 MGA51
18.	199933.38	7413141.46	GDA 2020 MGA51
19.	199976.87	7413485.60	GDA 2020 MGA51
20.	199848.46	7413672.19	GDA 2020 MGA51
21.	199558.76	7413894.29	GDA 2020 MGA51
22.	199249.76	7414019.83	GDA 2020 MGA51
23.	199162.85	7414164.67	GDA 2020 MGA51

24.	199288.38	7414724.75	GDA 2020 MGA51
25.	199240.10	7415072.38	GDA 2020 MGA51
26.	198940.91	7415827.35	GDA 2020 MGA51
27.	196921.36	7416112.29	GDA 2020 MGA51
28.	196810.54	7416384.30	GDA 2020 MGA51
29.	197958.70	7417021.69	GDA 2020 MGA51
30.	198295.82	7418070.52	GDA 2020 MGA51
31.	198432.58	7418162.23	GDA 2020 MGA51
32.	201566.96	7418233.53	GDA 2020 MGA51