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Published on 25 November 2009

Statement No. 816

**STATEMENT THAT A PROPOSAL MAY BE IMPLEMENTED  
(PURSUANT TO THE PROVISIONS OF THE  
ENVIRONMENTAL PROTECTION ACT 1986)**

**ALBANY IRON ORE PROJECT - SOUTHDOWN MAGNETITE PROPOSAL  
MINE, ORE SLURRY AND WATER PIPELINES, AND PORT LOADING FACILITIES  
90 KILOMETRES EAST-NORTH-EAST OF ALBANY**

**Proposal:** The proposal involves the construction and operation of an open pit magnetite mine located approximately 90 kilometres east-north-east of Albany, and pipelines for ore slurry transport and return water, connecting the mine site and new port loading facilities in the Port of Albany.

**Proponent:** Grange Resources Limited (ACN 009 132 405)

**Proponent Address:** Level 11, 200 St George's Terrace, PERTH WA 6000

**Assessment Number:** 1596

**Report of the Environmental Protection Authority:** Bulletin 1291

**Appeal Numbers:** 53, 58 and 59 of 2008

The proposal referred to in the above report of the Environmental Protection Authority may be implemented. The implementation of that proposal is subject to the following conditions and procedures:

**1 Proposal Implementation**

1-1 The proponent shall implement the proposal as assessed by the Environmental Protection Authority and described in schedule 1 of this statement subject to the conditions and procedures of this statement.

**2 Proponent Nomination and Contact Details**

2-1 The proponent for the time being nominated by the Minister for the Environment under sections 38(6) or 38(7) of the Act is responsible for the implementation of the proposal.

- 2-2 The proponent shall notify the Chief Executive Officer of the Department of Environment and Conservation (CEO) of any change of the name and address of the proponent for the serving of notices or other correspondence within 30 days of such change.

### **3 Time Limit of Authorisation**

- 3-1 The authorisation to implement the proposal provided for in this statement shall lapse and be void within five years after the date of this statement if the proposal to which this statement relates is not substantially commenced.
- 3-2 The proponent shall provide the CEO with written evidence which demonstrates that the proposal has substantially commenced on or before the expiration of five years from the date of this statement.

### **4 Compliance Reporting**

- 4-1 The proponent shall submit to the CEO environmental compliance reports by 31 March of each year reporting on the previous twelve-month period, unless required by the CEO to report more frequently.
- 4-2 The environmental compliance reports shall address each element of an audit program approved by the CEO and shall be prepared and submitted in a format acceptable to the CEO.
- 4-3 The environmental compliance reports shall:
- 1 be endorsed by signature of the proponent's chief executive officer or a person, approved in writing by the CEO, delegated to sign on behalf of the proponent's chief executive officer;
  - 2 state whether the proponent has complied with each condition and procedure contained in this statement;
  - 3 provide verifiable evidence of compliance with each condition and procedure contained in this statement;
  - 4 state whether the proponent has complied with each key action contained in any environmental management plan or program required by this statement;
  - 5 provide verifiable evidence of conformance with each key action contained in any environmental management plan or program required by this statement;
  - 6 identify all non-compliances and non-conformances and describe the corrective and preventative actions taken in relation to each non-compliance or non-conformance;

- 7 review the effectiveness of all corrective and preventative actions taken; and
  - 8 describe the state of implementation of the proposal.
- 4-4 The proponent shall make the environmental compliance reports required by condition 4-1 publicly available in a manner approved by the CEO.

## **5 Performance Review and Reporting**

- 5-1 The proponent shall submit to the CEO of Performance Review Reports at the conclusion of the first, third, fifth, seventh and ninth years after the start of implementation of the proposal and then, at such intervals as the CEO may regard as reasonable, which address:
- 1 the major environmental risks and impacts; the performance objectives, standards and criteria related to these; the success of risk reduction/impact mitigation measures and results of monitoring related to the management of the major risks and impacts;
  - 2 the level of progress in the achievement of sound environmental performance, including industry benchmarking, and the use of best available technology where practicable; and
  - 3 significant improvements gained in environmental management which could be applied to this and other similar projects.

## **6 Declared Rare Flora and Protection of Vegetation**

- 6-1 The proponent shall implement the proposal such that the areas where the gazetted Declared Rare Flora species *Commersonia* sp. Mt Groper has been recorded or is likely to occur as shown in Figure 4 (attached) and delineated by AMG coordinates listed in schedule 2, will not be disturbed by mining or impacted by dewatering for five years from the date of this Statement.
- 6-2 The proponent shall establish and maintain a monitoring regime to ensure compliance with condition 6-1, and which is to be carried out to the satisfaction of the CEO.
- 6-3 The proponent shall submit the results of monitoring referred to in condition 6-2 in the environmental compliance reports required by condition 4-1.
- 6-4 In implementing this proposal, the proponent shall not clear more than 258 hectares of native vegetation.
- 6-5 Within six months of the date of this Statement the proponent shall prepare and submit a research and management program in relation to *Commersonia* sp. Mt Groper to the requirements of the Minister.

- 6-6 The proponent shall implement the research and management program.
- 6-7 The proponent shall submit annually the results of the research and management program to the CEO.
- 6-8 The outcomes of the research and management program shall be reviewed by the proponent at the end of five years from the date of this Statement, and the findings shall be presented to the Minister for consideration.

## **7 Fauna**

- 7-1 Trapped fauna within open trenches shall be cleared and recorded by a suitably trained fauna-clearing person no later than three hours after sunrise each day, and the clearing and recording shall be repeated before sunset each day.
- 7-2 Trapped fauna within open trenches shall be cleared and recorded by a suitably trained fauna-clearing person within one hour prior to backfilling of trenches.

Note: “fauna-clearing person” means an employee of the proponent whose responsibility it is to walk the open trench to recover and record fauna found within the trench. The fauna-clearing person shall have fauna handling experience which meets the requirements of the CEO of the Department of Environment and Conservation.

- 7-3 Open trench lengths shall not exceed a length capable of being inspected and cleared by the fauna-clearing person within the required times set out in conditions 7-1 and 7-2.
- 7-4 In the event of rainfall, the proponent shall, following the clearing of fauna from the trench, pump out any pooled water in the open trench (with the exception of groundwater) and discharge it to adjacent vegetated areas in a manner that does not cause erosion.
- 7-5 Fauna refuges and/or ramps are to be placed in the trench at intervals not exceeding 50 metres.
- 7-6 Within 14 days following the completion of the ore transport and return water pipeline construction, the proponent shall provide a report on fauna management within the pipeline corridor to the CEO.

## **8 Acid waste rock management**

- 8-1 The proponent shall ensure that run-off and/or seepage from any part of the mine area does not cause the quality of surface water or groundwater within or leaving the proposal area to exceed ANZECC requirements, taking into consideration natural background water quality, so that existing and potential uses, including ecosystem maintenance, are protected.

- 8-2 The proponent shall monitor the quality of any run-off and/or seepage from any part of the mine area entering surface water and groundwater on or in proximity to the proposal area. This monitoring is to be carried out to the satisfaction of the CEO.
- 8-3 The proponent shall submit the results of the monitoring required by condition 8-2 to the CEO.
- 8-4 The proponent shall provide proposed management measures to the CEO in the event that the requirements of condition 8-1 are not met or are not likely to be met.

#### **8A Groundwater management**

- 8A-1 The proponent shall ensure that groundwater abstraction does not adversely affect native vegetation or other beneficial uses outside the minesite.
- 8A-2 The proponent shall develop groundwater trigger levels for management and contingency actions prior to implementation of the proposal.
- 8A-3 The proponent shall monitor groundwater levels within against the groundwater trigger levels referred to in condition 8A-2 and implement management and contingency actions in the event that groundwater trigger levels are met. This monitoring is to be carried out to the satisfaction of the CEO.
- 8A-4 The proponent shall monitor the health and condition of vegetation adjacent to the minesite to demonstrate the requirements of condition 8A-1 are being met. This monitoring is to be carried out to the satisfaction of the CEO.
- 8A-5 In the event that the requirements of condition 8A-1 are not being met or are not likely to be met, the proponent shall immediately provide and implement proposed management measures to the satisfaction of the CEO.

#### **8B Use of recycled water**

- 8B-1 Subject to 8B-2, the proponent shall source the majority of process water requirements from recycled or treated wastewater sources.
- 8B-2 If the proponent is unable to comply with 8B-1, the proponent shall, in consultation with the Department of Water, submit details of alternative sources of water to the satisfaction of the Minister.

### **9 Dust Management (Mine Site)**

- 9-1 During construction and operation, the proponent shall manage mine site operations and facilities to maintain PM<sub>10</sub> ground level concentrations at all occupied residences in areas surrounding the mine site below the National Environment Protection Measure 24-hour standard of 50 micrograms per cubic metre. The proponent shall

monitor PM<sub>10</sub> ground level concentrations to the satisfaction of the CEO of the Department of Environment and Conservation.

- 9-2 The proponent shall submit the results of PM<sub>10</sub> monitoring required by condition 9-1 to the CEO of the Department of Environment and Conservation.
- 9-3 The proponent shall provide proposed management measures to the CEO of the Department of Environment and Conservation in the event that the requirements of condition 9-1 are not met or are not likely to be met.

## **9A Visual Impact Management Plan**

- 9A-1 The proponent shall prepare and submit a Visual Impact Management Plan for the minesite and port infrastructure, in consultation with the CEO, the City of Albany and (in relation to port infrastructure only) the Albany Port Authority.
- 9A-2 The purpose of the Plan is to minimise impacts on visual amenity of the implementation of the proposal, noting the proximity of the minesite to the South Coast Highway and Stirling Range National Park and the proximity of the port infrastructure to Mount Clarence and Marine Drive.
- 9A-3 The Plan shall identify measures to minimise the visual impact of tailings storage facility, waste rock dump and mine pit, and associated infrastructure at the mine site and port, including through shaping of final landforms to mimic local landforms; revegetation and screening strategies; and use of non reflective surfaces on buildings.
- 9A-4 The proponent shall implement the Plan and make it publicly available in a manner approved by the CEO.

## **10 Mine Closure and Rehabilitation**

- 10-1 Prior to the commencement of productive mining, the proponent shall conduct surveys of the proposal area to collect baseline information to the requirements of the CEO in relation to the following:
  - 1. landform design and material characterisation
  - 2. groundwater levels;
  - 3. surface water flows;
  - 4. surface and groundwater quality;
  - 5. native vegetation and flora, and weeds (including both declared weeds and environmental weeds);
  - 6. landscape and landforms; and
  - 7. material characterisation.
- 10-2 The proponent shall submit a Rehabilitation and Mine Closure Plan to the requirements of the CEO and on the advice of the Department of Mines and Petroleum within 12 months of the commencement of ground disturbing activities.

10-2A The Rehabilitation and Mine Closure Plan shall provide specific outcomes for:

1. landform design and material characterisation;
2. rehabilitation completion criteria consistent with Guidance Statement No 6 to provide a self sustaining, functional ecosystem comprising native vegetation of local provenance species and to meet the following criteria:
  - a. flora and vegetation are re-established at a ratio of 1:1 with not less than 70% cover (not including weed species);
  - b. weed coverage (including both declared and environmental weeds) to be no greater than that which existed prior to the implementation of the proposal;
  - c. no new species of weeds (declared weeds or environmental weeds) are to be introduced into the proposal area as a result of implementation of the proposal;
  - d. flora species diversity not less than 70% that of pre-mining vegetation;
3. progressive rehabilitation timelines and monitoring against key performance indicators;
4. annual environmental reporting procedures; and
5. procedures to review and revise the Rehabilitation and Mine Closure Plan

10-3 The proponent shall implement the Rehabilitation and Mine Closure Plan.

## **11 Decommissioning (Infrastructure, including Pipelines, Buildings and Roads)**

11-1 Within 12 months following the cessation of productive mining, the proponent shall complete the following procedures and measures:

- 1 Ensure that the site is suitable for future land uses;
- 2 Remove or, if appropriate, retain plant and infrastructure agreed in consultation with relevant stakeholders;
- 3 Rehabilitate all disturbed areas to a standard suitable for the agreed new land use(s); and
- 4 Identify contaminated areas, and provide evidence of notification and proposed management measures to relevant statutory authorities.

11-2 The proponent shall ensure that after mine closure the final pit void:

1. does not cause significant groundwater contamination; and

2. does not cause material or significant environmental harm to native fauna.
- 11-3 Within five years of the cessation of mining, the proponent shall determine and provide a report on the long term management of the pit void to the satisfaction of the Minister for Environment and Minister for Mines and Petroleum in liaison with the DEC and the Department of Mines and Petroleum.

## **12 Definitions**

In these conditions, unless the contrary intention appears:

“Act” means the *Environmental Protection Act 1986*;

“ANZECC requirements” means the *Australian Water Quality Guidelines for Fresh and Marine Waters*, ANZECC, November 1992 (and its updates);

“CEO” means the chief executive officer of the Department of Environment and Conservation;

“DEC” means the Department of Environment and Conservation;

“Guidance Statement No. 6” means *Guidance for the Assessment of Environmental Factors: Rehabilitation of Terrestrial Ecosystems, No. 6*, Environmental Protection Authority, Perth WA, June 2006;

“Minister” means the Minister for Environment;

“PER document” means the Albany Iron Ore Project, Public Environmental Review, prepared for Grange Resources Ltd by Ecologia Environment, West Perth, WA, c February 2007.

## **Procedures**

1. Where a condition lists advisory bodies, it is expected that the proponent will obtain the advice of those listed as part of its compliance reporting to the Department of Environment and Conservation.

Hon Donna Faragher JP MLC  
MINISTER FOR ENVIRONMENT; YOUTH



**The Proposal (Assessment No. 1596)**

**General Description**

The proposal involves the construction and operation of an open pit magnetite mine located approximately 90 kilometres east north-east of Albany, and 10 kilometres south-west of Wellstead, and pipelines for ore slurry transport and return water, connecting the mine site and new port loading facilities in the Port of Albany.

The new port loading facilities will include a concentrate thickener tank, filter plant, storage shed and ship loader.

The disturbance footprint of mining plus the pipeline corridor connecting the mine site and the Port of Albany will not exceed 1810 hectares.

The proposal is described in the following document – *Albany Iron Ore Project - Public Environmental Review, Southdown Magnetite Proposal, EPA Assessment No. 1596*, Ecologia Environment (1 February 2007).

**Summary Description**

A summary of the key proposal characteristics is presented in Table 1.

**Table 1 – Summary of Key Proposal Characteristics**

<b>Element</b>	<b>Description</b>
<b>Mining operations</b>	
Life of mine	More than 22 years
Ore mining rate	Up to 20 Million tonnes per annum
Waste rock mining rate	Up to 55 Million tonnes per annum
Total concentrate production	Approximately 145 Million tonnes
Mine pit <ul style="list-style-type: none"> <li>• Depth</li> <li>• Area</li> </ul>	<ul style="list-style-type: none"> <li>• Not more than 300 metres below ground surface</li> <li>• Not more than 400 hectares</li> </ul>
Remnant vegetation clearing at the mine site	Not more than 253 hectares
Footprints <ul style="list-style-type: none"> <li>• Topsoil stockpiles</li> <li>• Tailings storage facility</li> <li>• Waste rock stockpiles (external dump area)</li> <li>• Water storage facilities</li> <li>• Mine plant &amp; administration area</li> </ul>	<ul style="list-style-type: none"> <li>• Not more than 100 hectares</li> <li>• Not more than 250 hectares (Maximum height 40 metres)</li> <li>• Not more than 620 hectares</li> <li>• Not more than 33 hectares</li> <li>• Not more than 100 hectares</li> </ul>

<b>Element</b>	<b>Description</b>
Water requirement	Not more than 2.7 gigalitres per annum
Total mining footprint	Not more than 1590 hectares
<b>Pipeline</b>	
Pipeline length	Not more than 104 kilometres
Pipeline footprint	Not more than 220 hectares
Remnant vegetation clearing for pipeline	Not more than 5 hectares
<b>Port infrastructure</b>	
Port infrastructure footprint	Not more than 9 hectares (on reclaimed land)
<b>Disturbance footprint summary</b>	
Footprint of mining <i>plus</i> pipeline corridor	Not more than 1810 hectares

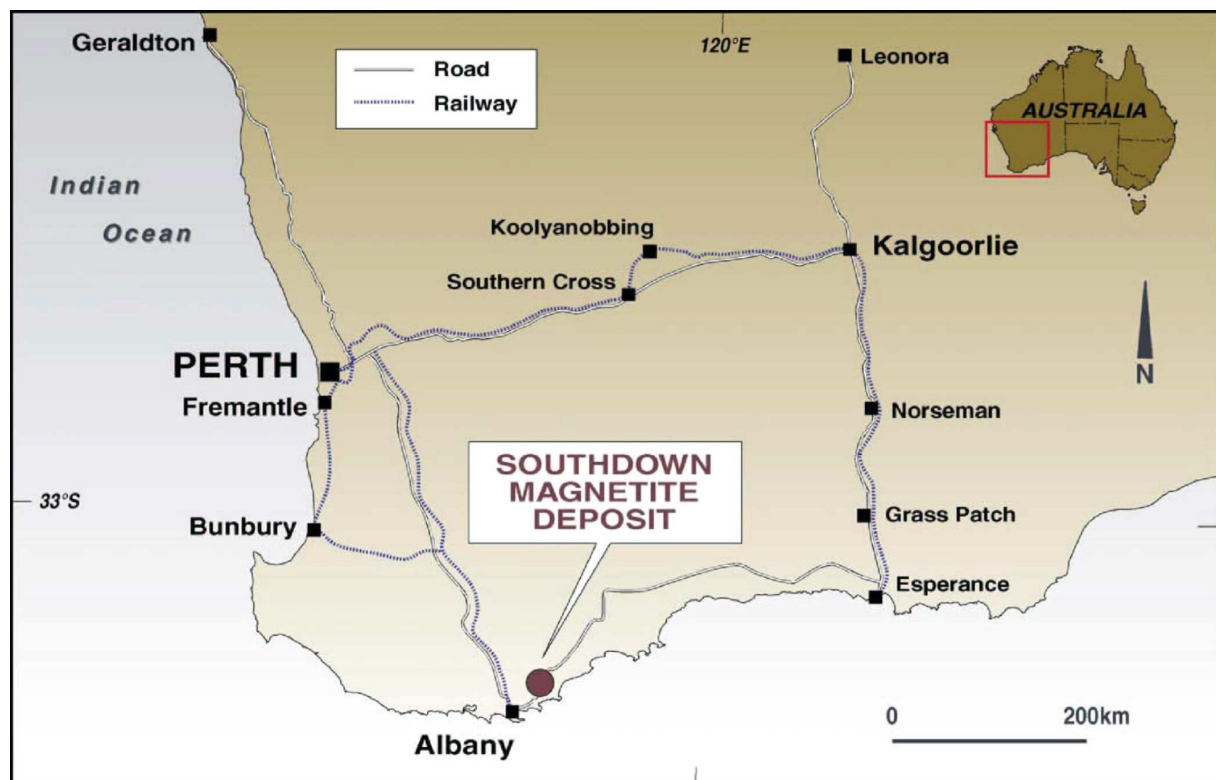
### **Figures (attached)**

Figure 1: Regional location

Figure 2: General location

Figure 3: Albany Port general arrangement plan

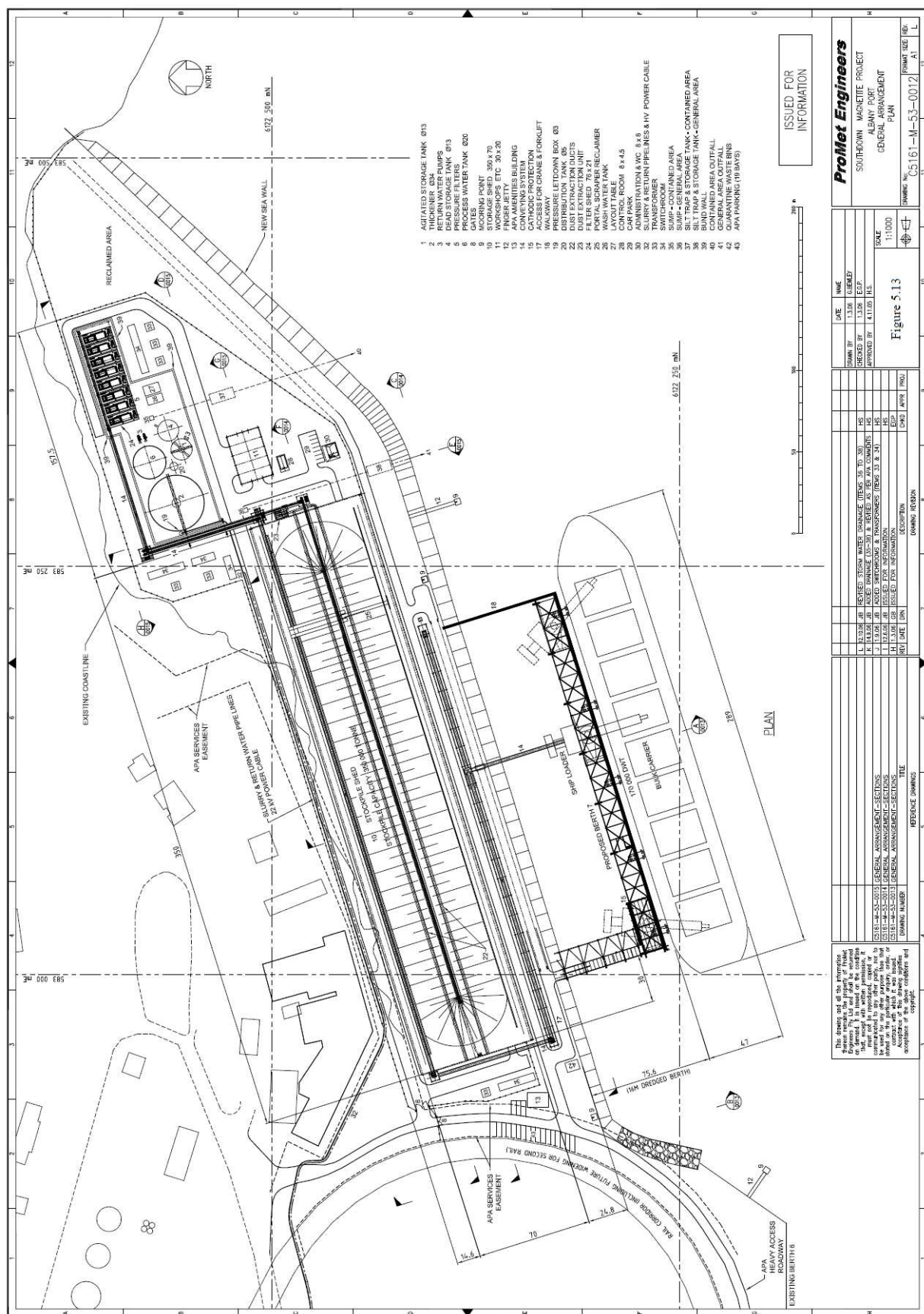
Figure 4 *Commersonia* sp Mt Grope avoidance areas



*Figure 1: Regional location*



*Figure 2: General location*



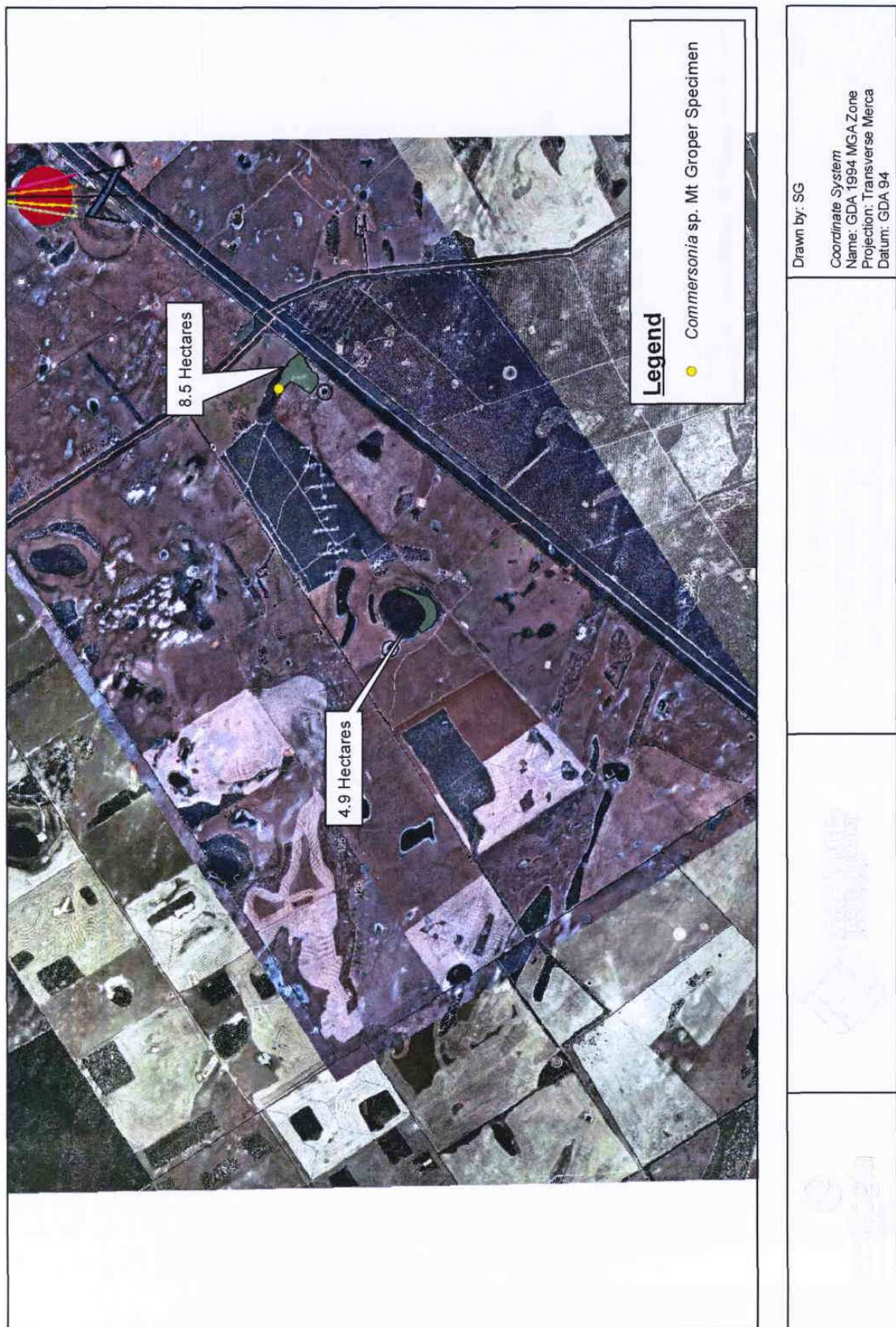
## Schedule 2

### Southdown Magnetite Project (Assessment No. 1596)

AMG coordinates for *Commersonia* sp. Mt Groper avoidance areas delineated in Figure 4 below.

AVOIDANCE AREA 1 - 8.5 HECTARES		AVOIDANCE AREA 2 - 4.9 HECTARES	
EASTING	NORTHING	EASTING	NORTHING
641861.46	6177044.85	639692.69	6175777.40
641858.36	6177065.68	639722.32	6175789.01
641867.23	6177077.64	639753.45	6175786.73
641895.04	6177084.08	639799.48	6175746.11
641920.91	6177078.43	639833.88	6175733.39
641946.75	6177071.06	639889.38	6175739.35
641972.55	6177061.95	639927.94	6175766.37
641998.39	6177054.58	640008.79	6175835.94
642034.31	6177029.71	640057.21	6175932.04
642072.30	6177023.86	640075.30	6175976.73
642120.36	6177000.51	640097.83	6175978.07
642152.70	6176968.79	640100.23	6175917.44
642198.94	6176940.28	640053.42	6175814.39
642232.80	6176896.41	640016.78	6175699.04
642270.03	6176847.29	639963.84	6175641.10
642225.83	6176794.39	639882.01	6175614.83
642187.72	6176793.33	639809.36	6175617.83
642161.55	6176781.67	639742.89	6175677.85
642137.08	6176768.24	639714.10	6175714.71
642122.72	6176739.06		
642096.67	6176734.33		
642071.57	6176684.56		
642026.21	6176664.58		
641977.93	6176675.81		
641923.25	6176716.58		
641892.64	6176748.27		
641917.44	6176780.73		
641921.36	6176806.63		
641945.98	6176828.71		
641974.27	6176862.84		
641992.18	6176897.15		
642008.48	6176938.41		
641981.19	6176961.39		
641957.32	6176982.58		
641918.00	6177010.97		
641883.72	6177030.61		





**Figure 4:** *Commersonia* sp. Mt Groper avoidance areas

# Attachment 1 to Ministerial Statement 816

## Change to Proposal

**Proposal:** Albany Iron Ore Project – Southdown Magnetite Proposal  
Mine, Ore Slurry and Water Pipelines, and Port Loading Facilities  
90 kilometres east-north-east of Albany

**Proponent:** Grange Resources Limited

**Change:** Increase in production rate and pit depth, relocation of infrastructure, and changes to pipeline alignment

### Key Characteristics Table:

Element	Description of proposal	Description of approved change to proposal
Life of Mine	More than 22 years	<b><i>Removed</i></b>
Ore mining rate	Up to 20 Million tonnes per annum	<b>Up to 45 Million tonnes per annum</b>
Waste rock mining rate	Up to 55 Million tonnes per annum	<b>Up to 85 Million tonnes per annum</b>
Total concentrate production	Approximately 145 Million tonnes	<b>Approximately 200 Million tonnes</b>
Mine pit <ul style="list-style-type: none"> <li>Depth</li> <li>Area</li> </ul>	<ul style="list-style-type: none"> <li>Not more than 300 metres below ground surface</li> <li>Not more than 400 hectares</li> </ul>	<ul style="list-style-type: none"> <li><b>Not more than 460 metres below ground surface</b></li> <li>Not more than 400 hectares</li> </ul>
Remnant vegetation clearing at the mine site	Not more than 253 hectares	Not more than 253 hectares
Footprints <ul style="list-style-type: none"> <li>Topsoil stockpiles</li> <li>Tailings storage facility</li> <li>Waste rock stockpiles (external dump area)</li> <li>Water storage facilities</li> <li>Mine plant and administration area</li> </ul>	<ul style="list-style-type: none"> <li>Not more than 100 hectares</li> <li>Not more than 250 hectares (maximum height 40 metres)</li> <li>Not more than 620 hectares</li> <li>Not more than 33 hectares</li> <li>Not more than 100 hectares</li> </ul>	<ul style="list-style-type: none"> <li>Not more than 100 hectares</li> <li>Not more than 250 hectares (maximum height 40 metres)</li> <li><b>Not more than 650 hectares</b></li> <li>Not more than 33 hectares</li> <li><b>Not more than 260 hectares</b></li> </ul>

Water requirement	Not more than 2.7 gigalitres per annum	<b>Not more than 4 gigalitres per annum</b>
Total mining footprint (including ancillary infrastructure)	Not more than 1590 hectares	<b>Not more than 1780 hectares</b>
<b>Pipeline</b>		
Pipeline length	Not more than 104 kilometres	<b>Not more than 120 kilometres</b>
Pipeline footprint	Not more than 220 hectares	<b>Not more than 260 hectares</b>
Remnant vegetation clearing for pipeline	Not more than 5 hectares	Not more than 5 hectares
<b>Port infrastructure</b>		
Port infrastructure footprint	Not more than 9 hectares (on reclaimed land)	Not more than 9 hectares (on reclaimed land)
<b>Disturbance footprint summary</b>		
Footprint of mining <i>plus</i> pipeline corridor	Not more than 1810 hectares	<b>Not more than 2040 hectares</b>

### List of Figures:

Figure 5: Southdown Magnetite General Location Plan

Figure 6: Southdown Magnetite Indicative Mine Site Layout

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**Dr Paul Vogel**  
CHAIRMAN  
Environmental Protection Authority  
under delegated authority

Approval date: 27 June 2011



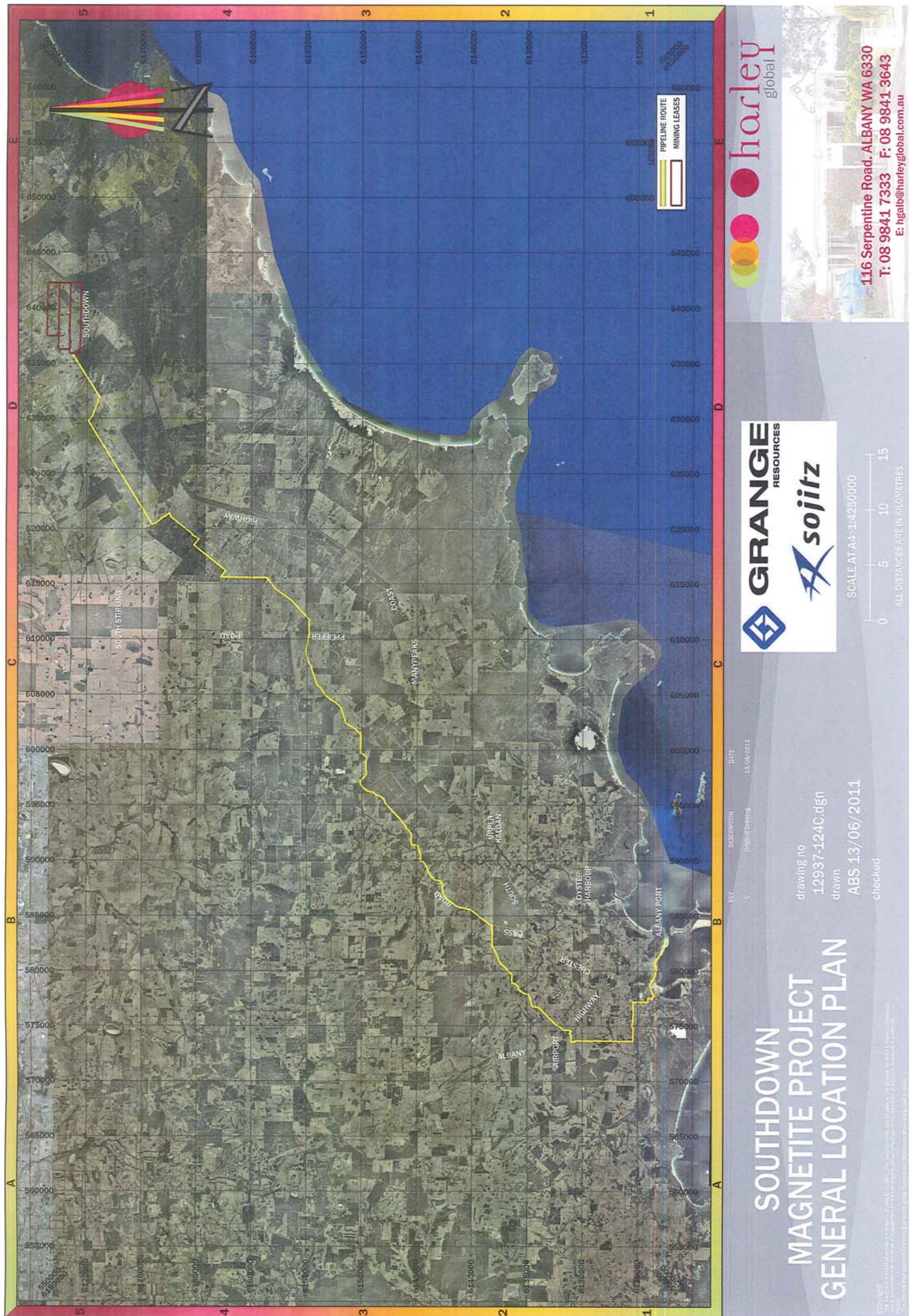
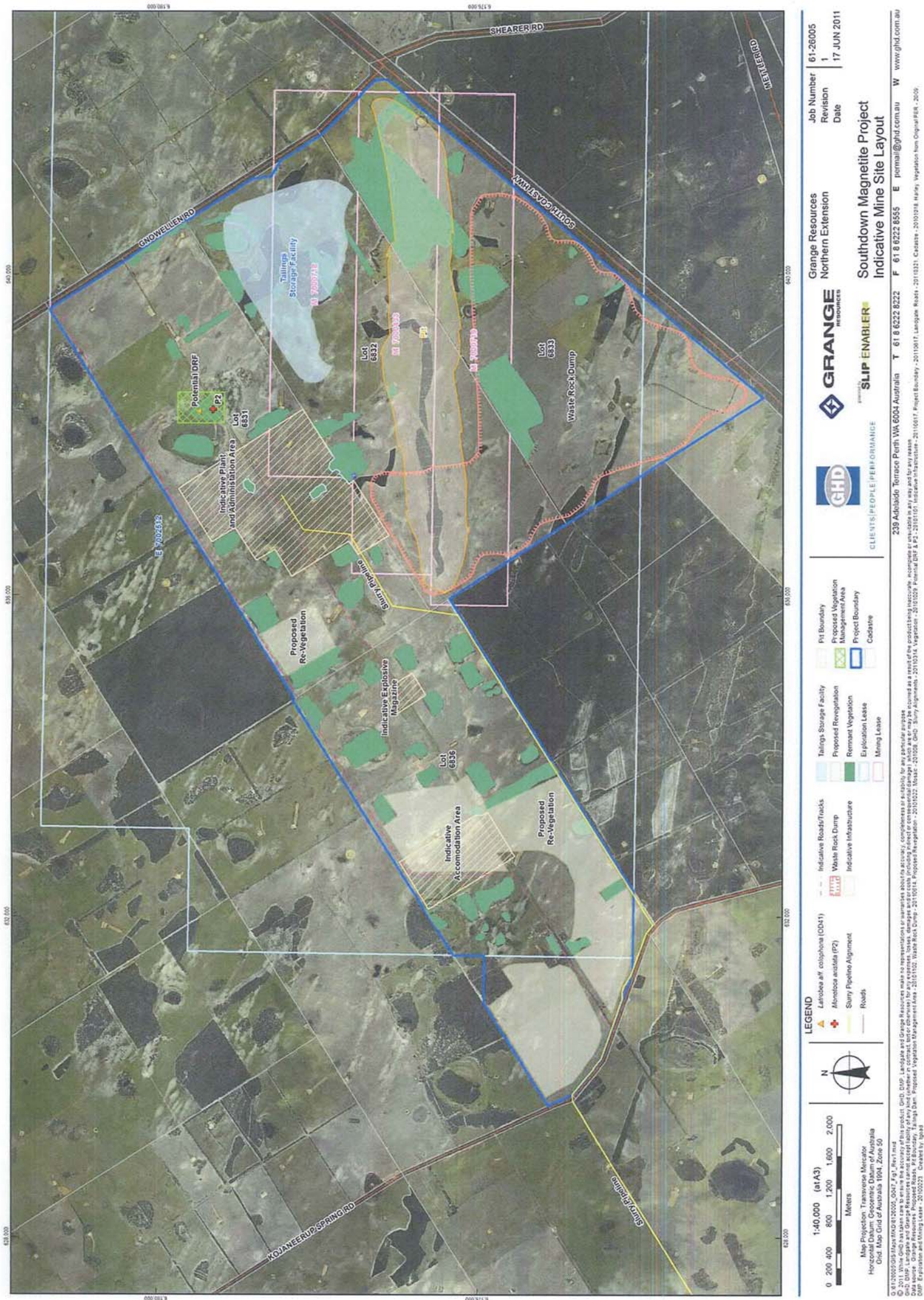


Figure 5 Southdown Magnetite Project General Location Plan





## Attachment 2 to Ministerial Statement 816

### Change to Proposal

**Proposal:** Albany Iron Ore Project – Southdown Magnetite Proposal Mine, Ore Slurry and Water Pipelines, and Port Loading Facilities, 90 Kilometres East-North-East of Albany

**Proponent:** Grange Resources Limited

**Change:** Section 45C change to waste dump footprint

#### Key Characteristics Table:

Element	Description of proposal	Description of approved change to proposal
Ore mining rate	Up to 45 Million tonnes per annum	Up to 45 Million tonnes per annum
Waste rock mining rate	Up to 85 Million tonnes per annum	Up to 85 Million tonnes per annum
Total concentrate production	Approximately 200 Million tonnes	Approximately 200 Million tonnes
Mine pit <ul style="list-style-type: none"> <li>Depth</li> <li>Area</li> </ul>	<ul style="list-style-type: none"> <li>Not more than 460 metres below ground surface</li> <li>Not more than 400 hectares</li> </ul>	<ul style="list-style-type: none"> <li>Not more than 460 metres below ground surface</li> <li>Not more than 400 hectares</li> </ul>
Remnant vegetation clearing at the mine site	Not more than 253 hectares	Not more than 253 hectares
Footprints <ul style="list-style-type: none"> <li>Topsoil stockpiles</li> <li>Tailings storage facility</li> <li>Waste rock stockpiles (external dump area)</li> <li>Water storage facilities</li> <li>Mine plant and administration area</li> </ul>	<ul style="list-style-type: none"> <li>Not more than 100 hectares</li> <li>Not more than 250 hectares (maximum height 40 metres)</li> <li>Not more than 650 hectares</li> <li>Not more than 33 hectares</li> <li>Not more than 260 hectares</li> </ul>	<ul style="list-style-type: none"> <li>Not more than 100 hectares</li> <li>Not more than 250 hectares (maximum height 40 metres)</li> <li>Not more than <b>950 hectares</b></li> <li>Not more than 33 hectares</li> <li>Not more than 260 hectares</li> </ul>
Water requirement	Not more than 4 gigalitres per annum	Not more than 4 gigalitres per annum
Total mining footprint (including ancillary infrastructure)	Not more than 1780 hectares	Not more than <b>2080 hectares</b>



<b>Pipeline</b>		
Pipeline length	Not more than 120 kilometres	Not more than 120 kilometres
Pipeline footprint	Not more than 260 hectares	Not more than 260 hectares
Remnant vegetation clearing for pipeline	Not more than 5 hectares	Not more than 5 hectares
<b>Port infrastructure</b>		
Port infrastructure footprint	Not more than 9 hectares (on reclaimed land)	Not more than 9 hectares (on reclaimed land)
<b>Disturbance footprint summary</b>		
Footprint of mining <i>plus</i> pipeline corridor	Not more than 2040 hectares	Not more than <b>2340 hectares</b>

Note: Text in bold in the Key Characteristics Table, indicates change/s to the proposal.

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**Dr Paul Vogel**  
CHAIRMAN  
Environmental Protection Authority  
under delegated authority

Approval date: 22 November 2011