

**APPENDIX 1
NON-FPP AND RESERVE ACTIVITY ASSESSMENT SHEET AND ACTIVITY PLAN (LEVEL A AND B
ACTIVITIES)**

Activity Details:

Project Title:	Great South Land Minerals – Drill Site RP033A		
Reserve Name:	Not applicable		
Contact Officer:	Vanessa Thompson (Planning)		
District:	Derwent District		
Planned Activity:	Clearing of an area of regeneration within State forest coupe RP033A established in 1986 to allow the establishment of a test drill site on behalf of Great South Land Minerals.		
Location (GDA Ref):	467028 mE : 5287423 mN (GDA) The envelope for the site will be approximately 70 metres in depth and 130 metre in width. The site will be located in the top side of the road	Activity Level:	B
Proposed timing of activity:	Operations are likely to commence in early August 2008 and continue through until late October 2008.	Proposed duration of activity:	Estimate three months to complete the required works in this area. It will take between 3 to four weeks to move equipment to and from the site with a further month to undertake the required drilling.
Extent/Area (ha):	Estimated 1.0 to 1.3 hectares	Job Number:	Not applicable No cost attributed to District
JRA Number & Details:	Not applicable		
Other options considered:	Not applicable		
District File Number:		Head Office File Number:	
Information on the works proposed:	The proposal will see the clearing of vegetation to allow the establishment of a drill rig site on approximately 1.3 hectares. Following the completion of drilling activity the drill pad and associated infrastructure will be completely removed from the site. Vegetation debris created as a result of this operation will be heaped adjoining the road edge to allow possible burning of this material post operation. The placement of these debris however will not interfere with the effective use of the road including associated drainage structures. The site will be scarified to allow for the development of a suitable seedbed. Forestry Tasmania will provide seed from the appropriate seed zone to be spread over the operation area.		

<p>Prescriptions required:</p>	<p><u>Recreation</u></p> <ul style="list-style-type: none"> • Appropriate safety signs will be established by Great South Land Minerals to ensure appropriate notification of activity in this area to the general public during operations. <p><u>General Measures</u></p> <ul style="list-style-type: none"> • As a measure to reduce the spread of Weeds and or Pathogens in State Forest, all machinery will be washed down before being transported to this operation and washed down again, prior to leaving this operation. Wash down will be carried out in accordance with the "Tasmanian Washdown Guidelines for weed and disease control". • All rubbish will be removed to an approved municipal tip site. • Weed establishment will be monitored and appropriate action taken where necessary. • Great South Land Minerals will notify Forestry Tasmania of the intent to commence operations and prior to the completion of operations to ensure rehabilitation works have been conducted to a satisfactory standard. <p><u>Rehabilitation and Reforestation</u></p> <ul style="list-style-type: none"> • Following the completion of drilling activity the drill pad and associated infrastructure will be completely removed from the site. • Vegetation debris created as a result of this operation will be heaped adjoining the road edge to allow possible burning of this material post operation. The placement of these debris however will not interfere with the effective use of the road including associated drainage structures. • The site will be scarified to allow for the development of a suitable seedbed. • Forestry Tasmania will provide seed from the appropriate seed zone to be spread over the operation area.
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Compliance with Legislation ¹:

Does the activity comply with the following statutes/policies?	Yes (compliant)	Maybe (further assessment reqd)	No (non-compliant)	N/A	Details of compliance/ approvals required
<i>Environmental Protection and Biodiversity Conservation Act 1999</i> Nationally threatened species, threatening processes.	✓				
<i>Threatened Species Protection Act 1995</i> Threatened species.	✓				
<i>Aboriginal Relics Act 1975</i> Aboriginal sites.	✓				
<i>Historical Cultural Heritage Act 1995</i> Heritage listed sites.	✓				
<i>Environmental Management and Pollution Control Act 1994</i> Any non-FPP operation eg. building or track construction. Environmental harm and pollution.				✓	
<i>Land Use Planning and Approvals Act 1993</i> Developments/Structures.				✓	
<i>Water Management Act 1999</i> Protection of water resources.	✓				
<i>Fire Services Act 1979</i> Fuel reduction or ecological burning.	✓				
<i>Forestry Act 1920</i> All activities on State forest.	✓				
<i>RFA, Permanent Native Forest Estate</i>	✓				

Compliance with FT Policy ²:

Does the activity comply with the following statutes/policies?	Yes (compliant)	Maybe (further assessment reqd)	No (non-compliant)	N/A	Details of compliance/ approvals required
<i>Forest Reserve Register/Reserve Management Objectives</i> Permitted activities, reserve values, reserve management objectives (Forestry Act, Sched 3), reserve management plans.	✓				
<i>CAR Reserve Values</i> Protection levels for forest communities at bioregional level.	✓				
<i>Property Rights</i>	✓				
<i>Rainforest Policy</i>				✓	
<i>Giant Tree Policy</i>				✓	
<i>Huon Pine Policy</i>				✓	
<i>King Billy Pine Policy</i>				✓	
<i>Landscape Management Policy</i>	✓				
<i>District Forest Management Plan</i>	✓				
<i>MDC</i>	✓				

SAFETY & ENVIRONMENTAL MANAGEMENT SYSTEM GUIDELINES FOR PLANNING NON-FPP AND RESERVE ACTIVITIES

Natural and Cultural Values ³:

Value	Existing conditions (record all values present on site, N/A if values not present)	Site surveys (who conducted field surveys, specialists involved, references consulted)	Impact of activity on value (including cumulative effects)	Management action to be taken to avoid/mitigate impact (including ongoing monitoring and rehabilitation)
FLORA (vegetation communities present, threatened species, priority communities, critical habitats)	<p>Vegetation communities present are:</p> <ul style="list-style-type: none"> Wet <i>E. delegatensis</i> <p>Note however as the project area was harvested in 1985 employing clearfell silvicultural techniques and now consists of regeneration artificially sown in 1986 the original floristic composition for this area is unable to be accurately determined.</p> <p>No known or identified flora values within planned operation area. The attached conserve map indicated no priority species in this area.</p> <p>No known <i>Phytophthora cinnamomi</i> records in this area</p>	<ul style="list-style-type: none"> Conserve Report Threatened Flora C/D. 	<p>No known or identified threatened flora species, priority communities or critical habitats within the operation area. No anticipated impact under this proposal.</p>	<p>Not required.</p>

Natural and Cultural Values ³: (Continued)

Value	Existing conditions (record all values present on site, N/A if values not present)	Site surveys (who conducted field surveys, specialists involved, references consulted)	Impact of activity on value (including cumulative effects)	Management action to be taken to avoid/mitigate impact (including ongoing monitoring and rehabilitation)
FAUNA (threatened species habitats or potential threatened species management agreements)	<p>Threatened species habitat is present for : <i>The site evaluated under this proposal occurs on the Ellendale mapsheet. This mapsheet indicates the potential for the following species.</i></p> <p><u>Eastern Barred bandicoot</u> There is no known habitat suitable to support this species within the proposed operation area or immediate vicinity. No specific management actions are recommended for this species.</p> <p><u>Grey Goshawk</u> There is no known habitat suitable to support this species within the proposed operation area or immediate vicinity. While the Broad River system does contain habitat suitable to support this species the distance between this potential habitat and the proposed operation area mean that no specific management actions are recommended in this instance.</p> <p><u>Masked Owl</u> An isolated patch of forest suitable to support the Masked occurs to the north of the proposed operational area. In addition the Broad River system also contains potential habitat suitable to support this species. The nature of the operation proposed however and the lack of suitable within the operation area mean that no specific management actions are recommended in this instance.</p> <p><u>Eastern and Spotted Tailed Quoll</u> Strategic state forest fauna management planning for the Eastern and Spotted Tailed quoll has resulted in the retention of large tracts of high quality habitat necessary to support these species. No specific management actions are recommended in this instance.</p>	<ul style="list-style-type: none"> • Conserve Report • Threatened Fauna Mapsheet • Threatened Fauna Adviser • Wedge-tailed Eagle Search History Map 	<p>No known or identified threatened fauna species, critical habitats or areas under management. No anticipated impact under this proposal.</p>	<p>Not required.</p>

SAFETY & ENVIRONMENTAL MANAGEMENT SYSTEM GUIDELINES FOR PLANNING NON-FPP AND RESERVE ACTIVITIES

Natural and Cultural Values ³: (Continued)

Value	Existing conditions (record all values present on site, N/A if values not present)	Site surveys (who conducted field surveys, specialists involved, references consulted)	Impact of activity on value (including cumulative effects)	Management action to be taken to avoid/mitigate impact (including ongoing monitoring and rehabilitation)
FAUNA (threatened species habitats or potential threatened species management agreements)	<p>Threatened species habitat is present for :</p> <p><i>The site evaluated under this proposal occurs on the Ellendale mapsheet. This mapsheet indicates the potential for the following species.</i></p> <p><u>Tussock grass skink</u> There is no suitable habitat within or adjoining the proposed operation area to support this species. No specific management actions are recommended in this instance.</p> <p><u>Wedge-tailed Eagle</u> There are no known Wedge-tailed Eagle nest sites located within 500 metres or 1.0 kilometre line of sight of the operation area proposed under this document.</p> <p>In addition there is generally little suitable potential habitat located within 500 metres of the proposed operation area. The attached documentation details search activity conducted within this general locality over time. The majority of suitable habitat in this area has been searched previously. As a result there is no specific requirements for the management of this species in relation to the proposed operation area.</p> <p><u>White Bellied Sea Eagle</u> There is generally little suitable potential habitat located within 500 metres of the proposed operation area. The attached documentation details search activity conducted within this general locality over time. The majority of suitable habitat in this area has been searched previously. As a result there is no specific requirements for the management of this species in relation to the proposed operation area.</p>	<ul style="list-style-type: none"> • Conserve Report • Threatened Fauna Mapsheet • Threatened Fauna Adviser • Wedge-tailed Eagle Search History Map 	No known or identified threatened fauna species, critical habitats or areas under management agreement. No anticipated impact under this proposal.	Not required.

Natural and Cultural Values ³: (Continued)

Value	Existing conditions (record all values present on site, N/A if values not present)	Site surveys (who conducted field surveys, specialists involved, references consulted)	Impact of activity on value (including cumulative effects)	Management action to be taken to avoid/mitigate impact (including ongoing monitoring and rehabilitation)
GEOLOGY/ GEODIVERSITY (Geological substrate, Tas Geocoen Base, Karst)	<p>The primary geological substrate is :</p> <ul style="list-style-type: none"> Jurassic Dolerite <p>The project area is not located within any site of level 1 – 8 sensitivity on the Geoconservation Database. In addition the operational area is not within any known or karst boundary.</p>	<ul style="list-style-type: none"> Geoconservation Map Geology Map 	No known or potential sites of geological or geodiversity significance within the operation area. No anticipated impact under this proposal.	Not required.
SOILS (Description of soil type present, erosivity)	<p>Primary soil types are :</p> <p>One soil type is known within this area and includes Jurassic origin dolerite soils of moderate erodibility rating. The combination of these soil types and slope across the project area mean that the area is considered to be of moderate erodibility with low erosion hazard potential.</p>	<ul style="list-style-type: none"> Geology Map 	No soil impact anticipated under this proposal.	Not required.
WATER/STREAMS (Water intakes, water quality and quantity)	<p>No identified streams occur within the planned operation area.</p> <p>Two (2) Class four streams however are located approximately four hundred metres to the south of the planned operation area. In regard to the Class 4 The distance of these streams from the planned operation area combined with the proposed operation should not have result in any water quantity or quality changes.</p> <p>There is no registered water intake point in the operation area.</p>	Not applicable	No water quality or quantity impact anticipated under this proposal.	Not applicable

**SAFETY & ENVIRONMENTAL MANAGEMENT SYSTEM
GUIDELINES FOR PLANNING NON-FPP AND RESERVE ACTIVITIES**

Natural and Cultural Values ³: (Continued)

Value	Existing conditions (record all values present on site, N/A if values not present)	Site surveys (who conducted field surveys, specialists involved, references consulted)	Impact of activity on value (including cumulative effects)	Management action to be taken to avoid/mitigate impact (including ongoing monitoring and rehabilitation)
LANDSCAPE (visual impact and management)	The skyline area to the north of the proposed drill site is visible from level 1 (Lyell Highway) sensitivity viewpoints. The location of the drill site should however not be evident from identified viewpoints. The duration of the proposed operation combined with the restricted project envelope should manage visual concerns. There is however a possibility depending on the height of the drill rig site that for the duration of the operation this structure may be evident from identified viewpoint. However given the lack of permanence to the use of this equipment on site in the short term this should not unduly impact on the current scenic quality of this area.	<ul style="list-style-type: none"> LMO Map 	No visual impact anticipated under this proposal.	Not required.
WILDERNESS and WILD RIVERS (High Quality Wilderness, Wild River Catchment)	The site is not located within an area of high quality wilderness	<ul style="list-style-type: none"> Wilderness Map 	No impact anticipated	Not required
ABORIGINAL VALUES (Relics, Artefacts, Sites, Traditional use, APZ Zone)	No known or identified aboriginal values on site. Site inspection found conditions would not allow visual inspection for any unidentified aboriginal artefacts. The area is zoned as low sensitivity for geology dolerite (GD) and poorly surveyed (PS)	<ul style="list-style-type: none"> Aboriginal Enquiry Map APZ Map 	No known or potential sites of aboriginal significance within the operation area. No anticipated impact under this proposal.	Not required.
HISTORIC VALUES (Relics, Sites, Items)	There are no known historic sites located within or adjoining the planned operation area.	<ul style="list-style-type: none"> Conserve Report 	No impact anticipated	Not required

SAFETY & ENVIRONMENTAL MANAGEMENT SYSTEM GUIDELINES FOR PLANNING NON-FPP AND RESERVE ACTIVITIES

Natural and Cultural Values ³: (Continued)

Value	Existing conditions (record all values present on site, N/A if values not present)	Site surveys (who conducted field surveys, specialists involved, references consulted)	Impact of activity on value (including cumulative effects)	Management action to be taken to avoid/mitigate impact (including ongoing monitoring and rehabilitation)
RECREATION (known recreational uses/users eg walking, motorbike riding, fishing, etc)	Limited access is available to this area of state forest to general users. While access to the area is gated this gate is not always closed.	Not applicable	No impact anticipated	<ul style="list-style-type: none"> Appropriate safety signs will be established by Great South Land Minerals to ensure appropriate notification of activity in this area to the general public during operations.
SOCIAL (Traditional uses, as evident in the filed eg grazing, recreation, firewood collection, mining, etc.)	Not applicable	Not applicable	No impact anticipated	Not required
ENVIRONMENTAL QUALITY – AIR, WATER, NOISE (usually good quality prior to activities)	Not applicable	Not applicable	No impact anticipated	Not required

Natural and Cultural Values ³: (Continued)

Value	Existing conditions (record all values present on site, N/A if values not present)	Site surveys (who conducted field surveys, specialists involved, references consulted)	Impact of activity on value (including cumulative effects)	Management action to be taken to avoid/mitigate impact (including ongoing monitoring and rehabilitation)
GENERAL PROTECTION MEASURES (fire, weeds, PC, soil, rehabilitation, spills)	<p>No known or identified values on site. The area is not within an identified PC management area.</p> <p>Following the completion of drilling activity the drilling pad and associated infrastructure will be completely removed from the site. Debris created as a result of this clearing operation will be heaped adjoining the road edge to allow possible burning of this material post operation. The site will be scarified to allow for the development of a suitable seedbed. Forestry Tasmania will provide seed for the appropriate seed zone to be spread over the operation area.</p>	Not applicable	No impact anticipated	<ul style="list-style-type: none"> As a measure to reduce the spread of Weeds and or Pathogens in State Forest, all machinery will be washed down before being transported to this operation and washed down again, prior to leaving this operation. Wash down will be carried out in accordance with the "Tasmanian Washdown Guidelines for weed and disease control". All rubbish will be removed to an approved municipal tip site. Weed establishment will be monitored and appropriate action taken where necessary. Great South Land Minerals will notify Forestry Tasmania of the intent to commence operations and prior to the completion of operations to ensure rehabilitation works have been conducted to a satisfactory standard. Following the completion of drilling activity the drill pad and associated infrastructure will be completely removed from the site. Vegetation debris created as a result of this operation will be heaped adjoining the road edge to allow possible burning of this material post operation. The placement of these debris however will not interfere with the effective use of the road including associated drainage structures. The site will be scarified to allow for the development of a suitable seedbed. Forestry Tasmania will provide seed from the appropriate seed zone to be spread over the operation area.

Natural and Cultural Values ³: (Continued)

Value	Existing conditions (record all values present on site, N/A if values not present)	Site surveys (who conducted field surveys, specialists involved, references consulted)	Impact of activity on value (including cumulative effects)	Management action to be taken to avoid/mitigate impact (including ongoing monitoring and rehabilitation)
OTHER (property rights issues, access, etc.)	No known or identified values on site.	Not applicable	No impact anticipated	Not required

Community Consultation/Notifications ⁴:

Stakeholders include neighbours, community groups, recreationists, tourists, licensees/leasees (apiarists, agistment, communication towers, research), etc.

Stakeholder	Consulted? (Yes/No)	Interest Level (Low, Med, High)	Concern Level (Low, Med, High)	Details on consultation
Not applicable				

SAFETY & ENVIRONMENTAL MANAGEMENT SYSTEM GUIDELINES FOR PLANNING NON-FPP AND RESERVE ACTIVITIES

Documentation Checklist ⁵:

Activity Level	SOP Step	Responsibility (Nominated Officer)	Compilation of information	Date Completed	By Who
A and B	1.1	Vanessa Thompson	Identify if proposed activity fits within:		
A and B		Vanessa Thompson	◆ Reserve objectives <u>Forest Reserve Register</u>	28/07/2008	Vanessa Thompson
A and B		Vanessa Thompson	◆ Legislative / external approval requirements	28/07/2008	Vanessa Thompson
A and B		Vanessa Thompson	◆ FT Policies	30/28/07/2008	Vanessa Thompson
A and B	1.2		Collate existing information (desktop analysis):		
B		Vanessa Thompson	◆ Review library/files for relevant Reserve information	28/07/2008	Vanessa Thompson
A and B		Vanessa Thompson	◆ MDC Map (1:25,000)	28/07/2008	Vanessa Thompson
A and B		Vanessa Thompson	◆ Planning Map (1:10,000)	28/07/2008	Vanessa Thompson
A and B		Vanessa Thompson	◆ Conservation Map and Report (1:25,000)	28/07/2008	Vanessa Thompson
A and B		Vanessa Thompson	◆ Aboriginal Site Enquiry Map and Report (1:25,000)	28/07/2008	Vanessa Thompson
A and B		Vanessa Thompson	◆ Tasveg Communities Map (1:25,000)	28/07/2008	Vanessa Thompson
B		Vanessa Thompson	◆ Wedge-tailed Eagle Map (1:25,000)	28/07/2008	Vanessa Thompson
B		Vanessa Thompson	◆ Karst Area/Catchment Map (1:25,000)	28/07/2008	Vanessa Thompson
B		Vanessa Thompson	◆ Aboriginal Archaeological Potential Zone Map (1:25,000)	28/07/2008	Vanessa Thompson
B		Vanessa Thompson	◆ Landscape Management Objective Map (1:25,000)	28/07/2008	Vanessa Thompson
B		Vanessa Thompson	◆ Tasmanian Geoconservation Map (1:25,000)	28/07/2008	Vanessa Thompson
B		Vanessa Thompson	◆ Geology Map (1:25,000)	28/07/2008	Vanessa Thompson
B		Vanessa Thompson	◆ High Quality Wilderness and Undisturbed Rivers Map (1:25,000)	28/07/2008	Vanessa Thompson
B		Vanessa Thompson	◆ Property Rights Map (1:25,000)	28/07/2008	Vanessa Thompson
B		Vanessa Thompson	◆ Giant Trees Map (1:10,000)	28/07/2008	Vanessa Thompson
B		Vanessa Thompson	◆ Town Water Intakes check	29/07/2008	Vanessa Thompson
			Additional Maps		
		Vanessa Thompson	◆ Apiary Management Map (1:25,000)	28/07/2008	Vanessa Thompson
		Vanessa Thompson	◆ Notification Map (1:25,000)	28/07/2008	Vanessa Thompson
		Vanessa Thompson	◆ RFA Communities Map (1:25,000)	28/07/2008	Vanessa Thompson
		Vanessa Thompson	◆ PC Management Map (1:50,000)	28/07/2008	Vanessa Thompson
			◆ Tas Map (1:25,000)	28/07/2008	Vanessa Thompson
A and B	1.3	Vanessa Thompson	◆ Inventory Map (1:10,000) Field Surveys – record and/or confirm site information	29/07/2008	Vanessa Thompson
A and B	1.4	Vanessa Thompson	Assess impacts of proposed activity and develop management prescriptions	Based on previous visits and knowledge of the area 28/07/2008 and 29/07/2008	Vanessa Thompson and Bernard Plumpton
B	1.5	Vanessa Thompson	Consult with relevant parties		Not applicable
B	1.6	Vanessa Thompson	Apply for external approvals		Not applicable
B	2.1	Vanessa Thompson	Obtain FT approvals	30/07/2008	Vanessa Thompson
B	2.2	Vanessa Thompson	Obtain external approvals		Not applicable

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SEMS Element 3.6 Operational Control

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20080804 GSLM RP033A Drill Site Non FPP Assessment

SAFETY & ENVIRONMENTAL MANAGEMENT SYSTEM
GUIDELINES FOR PLANNING NON-FPP AND RESERVE ACTIVITIES

Approvals ⁶:

Name	Signature	Date	Position
Vanessa Thompson		4/8/2008	Senior Forest Planner
Steve Whiteley Dave Brown.		4/8/08.	A/District Forest Manager
Judy Alexander TIM LEAMAN		4/8/08	Senior Forest Planner CONSERVATION PLANNER
John Hickey		4/8/08	Manager, Planning
Not required			External Approvals Received (signed by planner)

APPENDIX 2

NON-FPP AND RESERVE ACTIVITY MONITORING SHEET

Activity Details:

Date of Assessment:		Assessor Name:	
Project Title:	Great South Land Minerals – Test Drill Site (RP033A)		
Reserve Name:	Not Applicable		
District:	Derwent	Activity Type:	Non FPP Activity
Extent/Area (ha):	1.0 to 1.3 hectares	Activity Level:	B
District File Number:		Head Office File Number:	

Monitoring comments: (Comment/record new unidentified impacts or issues and management actions to deal with these and carry these through to the CAR system where appropriate)

[illegible]

Completion checks:

Item	Yes	No	N/A	Comments
Geodiversity: Have geodiversity values (including karst) been protected and maintained?				
Flora and Fauna: Has the activity ensured protection of flora and fauna values to the greatest possible extent?				
Landscape: Has particular care been taken to protect landscape values?				
Wilderness and Wild Rivers: Has disturbance been minimised to the hydrological, geomorphological and biological processes of wild rivers?				
Cultural Values: Have cultural heritage values been protected?				
Social Values: Has the activity prevented people from exercising their social values associated with the reserve?				
Recreational Values: Have recreational opportunities in the reserve been diminished as a result of the activity?				
Environmental Quality (Air, Water, and Noise): Has the natural quality of air, water and noise been restored?				
Environmental Monitoring (Water): Has water monitoring been carried out?				
Protecting Reserve Values: Has restoration/rehabilitation been undertaken?				
Legislation and Policy: Has activity complied with legislation and policy?				
Legislation and Policy: Have permit conditions been met?				
Impacts on values: Have all decisions about activities been recorded?				
Impacts on values: Have any additional impacts been identified?				
Impacts on values: Have any additional impacts been documented?				
Impacts on values: Have management actions to avoid/mitigate impacts been implemented?				
Impacts on stakeholders: Have there been any complaints about the activity to FT?				
System requirements: Have identified environmental aspects and impacts and associated control measures been addressed?				
System requirements: Have identified safety and health hazards and risks and associated controls been addressed?				

Sign off (for completion):

Completion compliance assessed by: _____ Signed: _____

Date: _____ Copy of completion sign off send to Planning Branch: **Yes/No** Date: _____