



Environmental Protection Authority

Referral of a Proposal by a Decision-making authority to the Environmental Protection Authority under Section 38(5) of the Environmental Protection Act 1986

EPA REFERRAL
FORM
DMA

PURPOSE OF THIS FORM

Section 38(5) of the *Environmental Protection Act 1986* (the EP Act) provides that a decision-making authority that has notice of a proposal that appears to it to be a significant proposal or a proposal of a prescribed class is to refer the proposal the Environmental Protection Authority (EPA) for a decision on whether or not it requires assessment under the EP Act. This form sets out the information requirements for the referral of a proposal by a decision-making authority.

Before completing this form, decision-making authorities are encouraged to familiarise themselves with the EPA's *General Guide on Referral of Proposals* [see Environmental Impact Assessment/Referral of Proposals and Schemes].

A referral under section 38(5) by a decision-making authority must be made on this form. This form will be treated as a referral provided all required information is included to the extent that it is pertinent to the proposal being referred. Referral documents are to be submitted in two formats – hard copy and electronic copy. The electronic copy of the referral will be provided for public comment for a period of 7 days, prior to the EPA making its decision on whether or not to assess the proposal.

CHECKLIST

Before you submit this form, have you

	Yes	No
Completed all applicable questions	Y	
Included Attachment 1 – location maps	Y	
Included Attachment 2 – Supporting information (if applicable)	Y	
Enclosed the CD of all referral information, including spatial data and contextual mapping.		N

Following a review of the information presented in this form, please consider the following question. (A response is Optional)

DO YOU CONSIDER THE PROPOSAL REQUIRES FORMAL ENVIRONMENTAL
IMPACT ASSESSMENT?


YES NO NOT SURE

IF YES, WHAT LEVEL OF ASSESSMENT?

ASSESSMENT ON PROPONENT INFORMATION
 PUBLIC ENVIRONMENTAL REVIEW

REFERROR'S DECLARATION

I, Daniel Lindsay Endacott, submit this referral to the Environmental Protection Authority for consideration of the environmental significance of its impacts.

Signature: 	Name: Daniel Endacott
Position: Team Leader - South	Responsible Authority: DMP
Date: 9 September 2013	

1. DMA, PROPOSAL, PROPONENT AND LOCATION INFORMATION

1.1 REFERRING DMA

Name	The Department of Mines and Petroleum
Postal Address	100 Plain Street, East Perth
DMA contact for the proposal	Daniel Endacott (Team Leader), (08) 9222 3204, Daniel.endacott@dmp.wa.gov.au
<ul style="list-style-type: none"> • Name • Phone • Email 	

1.2 PROPONENT

Name of person/entity proposing to implement the proposal	Quest Minerals Limited
Joint Venture parties (if applicable)	Tenement Holders: <ul style="list-style-type: none"> - Pinecroft Pty Ltd - Hermitage Holdings Pty Ltd - Paloma Holdings Pty Ltd - Devereux Nominees Pty Ltd
Postal Address	<p>PINECROFT PTY LTD C/- PO BOX 778, SOUTH FREMANTLE WA 6162</p> <p>HERMITAGE HOLDINGS PTY LTD 9 MARIE WAY, KALAMUNDA WA 6076</p> <p>PALOMA HOLDINGS PTY LTD 73 WEBSTER STREET, NEDLANDS WA 6009</p> <p>DEVEREUX NOMINEES PTY LTD 4 PLACID WATERS, PARADE COODANUP, MANDURAH WA 6210</p>
Key proponent contact for the proposal	Dr Dennis Gee (Director Quest Minerals) 47 Ord Street, West Perth 6005, WA (08) 9321 4566 Dennis.gee@bigpond.com
<ul style="list-style-type: none"> • Name • Address • Phone • Email 	

1.3 PROPOSAL

Title	Registration ID: 40183 (Feral Prospect)
Description	A Programme of Work (REG ID 40183) from Quest Minerals for exploration on E70/2227 which intersects with a Threatened Ecological community. Activities include; 23 RC Drill holes (pads 18m x 18m), 2 Diamond Drill holes (pads 18m x 18m) and 1670m of track clearing (3.4m wide).

1.4 LOCATION

Name of the Shire in which the proposal is located	Shire of Perenjori
For urban areas – <ul style="list-style-type: none"> street address lot number suburb nearest road intersection 	
For remote localities – <ul style="list-style-type: none"> nearest town distance and direction from that town to the proposal site 	Tenement E70/2227 is approximately 9km north-east of the Perenjori town site.
Electronic spatial data - GIS or CAD on CD, geo-referenced and conforming to the following parameters: <ul style="list-style-type: none"> GIS: polygons representing all activities and named CAD: simple closed polygons representing all activities and named datum: GDA94 projection: Geographic (latitude/longitude) or Map Grid of Australia (MGA) format: Arcview shapefile, Arcinfo coverages, Microstation or AutoCAD 	Enclosed: Yes / No

2. APPROVALS/CONTROL MECHANISMS

What approval(s) is (are) required from you as a Decision Making Authority?	Approval for mineral exploration under the <i>Mining Act 1978</i> (Programme of Work)
Is an amendment to a planning scheme proposed or required to enable implementation of the proposal? If yes, please provide details.	Yes / No
Have you sought comments from a State Government Agency or Local Authority regarding this proposal? If yes, name all agencies and Local Authorities contacted.	Yes / No Initial comments sought from OEPA regarding formal referral (8 August 2013).
What conditions can you place on the proposal to manage environmental impacts?	- Any condition considered necessary by the Minister for Mines and Petroleum.

3. ENVIRONMENTAL CONSIDERATIONS

In what ways do you consider the proposal may have a significant effect on the environment and warrant referral to the EPA?	The Programme of Work intersects a Threatened Ecological Community (TEC) along the Koolanooka/Perenjori Hills, the proposed works are likely to be considered significant and warrant formal referral to the EPA.
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4. SUPPORTING INFORMATION

Please attach copies of relevant information you have received or can provide on the proposal and list documents below.

Document	Description/Title
1. PoW Application	EARS_POW_ApplicationID_40183
2. PoW Map 1	POW - 40183 - MAP - QUEST MINERALS LIMITED - Perenjori Location Drill Holes and Tenements.pdf
3. PoW Map 2	POW - 40183 - MAP - QUEST MINERALS LIMITED - Perenjori CBZ existing & proposed drillholes.pdf
4. Email from EPA	REG ID 40183 - POWE - Email from OEPA - Advised to formally refer POW - Quest Minerals - E70-2227



Registration ID: 40183

User ID: EX50415

Operator Reference:

PROGRAMME OF WORK - EXPLORATION (MINING ACT 1978)

Applicant/Company Name: QUEST MINERALS LIMITED		Contact Person: Dr. Dennis Gee		
Address:	47 ORD STREET WEST PERTH WA 6005	Position: Director Quest Minerals		
Email: dennis.gee@bigpond.com		Tel: 08 9321 4566		
Mob:		Fax:		
Tenement Details				
Tenement No/s.	Registered Holder?	Holder (Name and Address)	Holder Agreement File Name	Tenure Types*
E 70/2227-1	No	PINECROFT PTY LTD C/- PO BOX 778 SOUTH FREMANTLE WA 6162 HERMITAGE HOLDINGS PTY LTD 9 MARIE WAY KALAMUNDA WA 6076 PALOMA HOLDINGS PTY LTD 73 WEBSTER STREET NEDLANDS WA 6009 DEVEREUX NOMINEES PTY LTD 4 PLACID WATERS PARADE COODANUP MANDURAH WA 6210	Perenjori Terms Sheet executed.pdf	Freehold Land Lot No. Surface Rights Granted:

*Landowner consent and Surface Rights are required (Section 29, Mining Act). Please check your tenement conditions.

ΔGround disturbing activities within Reserves (e.g. Water Reserves, Road Reserves) may require consent from the vested authority, and/or Ministerial consent. Please check your tenement conditions.

Please note the following:

- Please ensure your PoW is complete and that you have checked and complied with tenement conditions prior to lodging your PoW with the Department of Mines and Petroleum (DMP). **Incomplete applications will be rejected.**
- Requests for further information will have a time limit of **10 working days** to respond to the Department.
- All bond requests will remain valid for a period of 3 months. This PoW will be rejected 3 months after the date of issue of the bond request letter.
- Please allow sufficient time for this proposal to be assessed (at least 30 business days). If all required information is not supplied, or if consultation with other agencies is required, then the assessment time frame may increase.
- The *Mines Safety and Inspections Act 1994* requires an Exploration Operation Notification form to be submitted to Resources Safety Division of DMP prior to the proposed activities (see section 6) taking place.
<http://www.dmp.wa.gov.au/6711.aspx#7074>
- DMP have a Memorandum of Understanding (MoU) with the EPA, certain criteria may trigger DMP to seek advice from other agencies. The MoU document is available at: <http://www.dmp.wa.gov.au/documents/MOU.PDF>
- All tenement holders will be notified of the approval.

- Please do not modify this form.
- This application will be made available to other government agencies as required.

1. Tenement Conditions:

- If exploring for Iron Ore, have you checked your conditions to see if you have Iron Ore endorsement?
- I have addressed all relevant tenement conditions for this Programme of Work application.

2. Proposed Dates: Approval will be valid for 24 months from date on Approval letter*

Commencement Date: 12-Aug-13	Completion Date: 30-Aug-13
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**NOTE: If approved, the programme will be granted for 24 months from the date shown on the approval letter. Application for an extension to timeframe can be made to an Environmental Officer prior to the expiry of the approval. A PoW is only valid on live tenure. Rehabilitation is to be undertaken within 6 months of the date the ground disturbance occurred to comply with tenement conditions. Justified extensions require written approval from DMP.*

3. Aboriginal Heritage Management:

- I have completed a query of the Register of Aboriginal Sites at <http://www.dia.wa.gov.au> for the area subject to this application.

Does your proposal partly or wholly intersect the boundary of a registered site?

- Yes No DIA Advice Filename:

Prior to submitting this Programme of Work to DMP, you must seek advice from the Department of Indigenous Affairs (DIA) to ensure that you are aware of your obligations under the *Aboriginal Heritage Act 1972* and that suitable arrangements can be put in place to comply with that Act. If your Programme does not have DIA advice attached, it will be rejected. The Programme of Work will need to be resubmitted with the advice attached.

Further referrals may be required under the *Environmental Protection Act 1986*.

NOTE 1: To facilitate advice, DIA will require (i) a description and map (GDA94 co-ordinates) showing the proposed activities and the affected mining tenements, (ii) the title, author and date of any Aboriginal heritage survey conducted over the area, and (iii) a copy of this survey if not already provided to DIA. If the survey is more than 10 years old DIA may require a new survey. The survey should aim to identify places and objects of heritage significance that are currently known or unknown.

NOTE 2: The Programme, if approved, does not remove the need to obtain any approvals required under the *Aboriginal Heritage Act 1972*.

4. Minerals Being Explored:

Mineral	Brief Description
IRON ORE	

5. Proposed Activities:

Tenement Number: E 70/2227-I			
Activity Type: Drilling			
Type of Drilling Rig: RC Drilling			
# Drill holes proposed: 23	Max Depth of holes (m): 150	Spacing (m): 200	Is this infill / resource drilling?: ^{^1} Y
# Drill pads: 23	Length (m): 18	Width (m): 18	
Type of Drilling Rig: Diamond Drilling			

# Drill holes proposed: 2	Max Depth of holes (m): 150	Spacing (m): 40	Is this infill / resource drilling? ^{*1} Y	
# Drill pads: 2	Length (m): 18	Width (m): 18		
Line / Track Clearing Length (m): 1670		Width (m): 12		
Is the drilling likely to encounter groundwater? ^{*3} N				
# Sumps:	Length (m):	Width (m):	Depth(m):	
Cut & fill pad construction required?: N				
# Cut & fill Pads:	Length:	Width (m):	Slope (°):	S.G:
Cut & fill tracks construction required?: ^{*2} N				
# Cut & fill tracks:	Length:	Width (m):	Slope (°):	S.G:
Total Area Disturbed (Ha)	2.8	Total Tonnage Disturbed	0	

^{*1} If proposing infill / resource drilling, it is recommended you conduct waste characterisation to assist in mine planning. Waste characterisation is required when seeking approval to mine. Please refer to the "[Guidelines for Mining Proposals in Western Australia](#)" on the DMP website.

^{*2} Please ensure the additional information includes the number of pads, pad dimensions (length x width) and specific gravity, specific for each gradient. If you are having difficulties please contact an Environmental Officer (EO), DMP for assistance. The [Departmental Hillside Tonnage Calculator](#) (used as a guide to calculate tonnage estimates for cut and fill activities associated with exploration/prospecting activities) is available on the DMP website.

^{*3} Refer to the "[Guidelines for the protection of surface and groundwater resources during exploration drilling](#)". If the proposed drilling has potential to intercept artesian aquifers, consultation and permitting from the Department of Water (DoW) may also be required.

^{*4} If yes, please provide a covering letter detailing; camp facilities (number of dongas, size of camp etc), environmental management (e.g. waste disposal, surface water management, etc), other relevant approvals (e.g. Shire), rehabilitation procedures of the facility and an additional map illustrating the site layout.

^{*5} Note that tonnage limits on P's and E's apply to tonnage disturbed for excavations (costeans, test pits, etc), cut and fill pads, access tracks and larger than normal sumps. If unsure, please consult the Regional EO, DMP.

6. Summary of Areas and Tonnage Disturbed:

E 70/2227-1			
Total Disturbance Area (Ha)	2.8	Total Disturbance Tonnage	0
Previous Disturbance (Ha)	0.2	Cumulative Tonnage Disturbed	0.000
Excess Tonnage Approval	N/A		
Comments	<p>The EL is 90% cleared for farming. A total of 83 drill holes have been drilled by a previous operator. The current area of a Scoping Study is a small segment 3.6km long called the Core BIF Zone, which is partly cleared. The Core BIF Zone has eight previous drill holes. All these were drilled on existing access tracks and fence lines, and all were drilled down dip through the footwall, because of access difficulties, and failed to provide proper resource information. It is now necessary to drill from the other direction to intersect the full orebody in order to obtain a resource.</p> <p>Quest has completed a Scoping Study and is now undertaking a Pre-Feasibility Study for a potential \$1billion project.</p>		

Note that tonnage limits on P's and E's apply to tonnage disturbed for excavations (costeans, test pits, etc), cut and fill pads, access tracks and larger than normal sumps. If unsure, please consult the Regional EO, DMP.

*Disturbance exceeding 500 tonnes on a Prospecting Licence (Section 48c Mining Act 1978) or 1,000 tonnes on an Exploration Licence (Section 66c Mining Act) requires delegated approval from the Director, Mineral Titles Division (MTD). Please note that disturbed tonnage is cumulative for the life of the tenement. Any excess over 50,000 tonnes requires Ministerial approval. The tenement holder is required to contact (MTD).

7 Maps:

The plan should clearly show the location of the following.

Number of Map Files Uploaded : 2	Map File Name :	Perenjori CBZ existing & proposed drillholes.pdf Perenjori Location Drill Holes and Tenements.pdf
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NOTE: plans using a topographical map or aerial photo are required, with GDA94 co-ordinates.

- Proposed activities and disturbance (showing drill holes and/or lines)
- Line and track clearing
- Major landforms and topographical features
- Existing tracks / route onto tenement and route to proposed drill holes/costeans
- Tenement boundaries and labels
- Freehold land / Reserve location boundaries and relevant cadastral information
- Legend

8 Environment Protection Authority (EPA)

Are the activities proposed in this Programme of Work located within an **area currently under formal assessment by** the EPA under Part IV of the *Environmental protection Act 1986*?:

<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
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Has the **area subject to this PoW ever previously been assessed** by the Environmental Protection Authority (EPA) under Part IV of the *Environmental Protection Act 1986*?

<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
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9 Clearing of native vegetation:

Does your proposal involve the clearing of native vegetation?

Yes No

(i) Clearing for exploration purposes is exempt from requiring a clearing permit provided it is not within an Environmentally Sensitive Area (ESA), and is conducted under an authority granted under the *Mining Act 1978* (e.g. an approved Programme of Work) (PoW). This exemption is found at item 25 of the Environmental Protection (Clearing of Native Vegetation) Regulations 2004.

(ii) The Native Vegetation Map Viewer, on the Department of Environment and Conservation (DEC) website, provides a guide to the locations of ESA's. <http://maps.dec.wa.gov.au/delive/nv/index.jsp> Instructions on using the Map Viewer can be found on the DMP website at <http://www.dmp.wa.gov.au/830.aspx>

Environmentally Sensitive Areas are defined in regulation 6 of the Environmental Protection (Clearing of Native Vegetation) Regulations 2004. *Some examples of ESA's are Bush Forever Sites, areas listed on the Register of National Estate for natural values, the area within 50 m of Declared Rare Flora, and the area covered by a Threatened Ecological Community*

(iii) If you have any queries regarding clearing permits please contact the DMP – Native Vegetation Assessment Branch (9222 3570), or visit their website: <http://www.dmp.wa.gov.au/819.aspx>

i) Is the clearing of native vegetation that you propose within an Environmentally Sensitive Area?		
<input type="checkbox"/> Yes	<i>If known, please state the type of ESA (e.g. Bush Forever Site, Threatened Ecological Community etc),</i>	<input checked="" type="checkbox"/> No (Please go to Section 10)

10 Environmental Management:

Please refer to the DMP's exploration rehabilitation guidelines, available at:
at: http://www.dmp.wa.gov.au/documents/Exploration_Rehab_Activities_Dec07.pdf

Note: If relevant Environmental Management and Rehabilitation Practices for all activities selected under section 5 "Proposed Activities" are not selected, this may extend the assessment timeframe as further information will be sought.

10.1 Environmental Management and Methods of Minimising Disturbance

- Use of raised blade for clearing tracks & drill pads
- Using existing tracks where available
- Avoiding significant vegetation e.g. large trees, thickets, mulga groves
- Vegetation stockpiled separately for use in rehabilitation when constructing drill pads
- Topsoil and vegetation stockpiled separately for use in rehabilitation when constructing sumps and/or costeans
- Excavations (sumps, costeans etc.) appropriately ramped to allow fauna egress
- Use of liners and drip trays under rigs to minimise risk of hydrocarbon spillage
- Use of sumps of appropriate size to contain all water and sediment encountered during drilling (sump to be located away from significant vegetation, and water courses)
- Use of appropriate machinery to minimise impacts (excavator instead of bulldozer, wheeled machinery instead of tracked, specialist drill rig etc...)
- Vehicle hygiene maintained to prevent the spread of plant pathogens (e.g. *Phytophthora sp.*) and/or invasive species. (check requirements of tenement conditions for specific management, e.g. Dieback Management Plan)
- Other (please specify):

10.2 Rehabilitation Practices and Timing

- Drill holes secured immediately after drilling (capped/plugged)
- Drill holes securely plugged below ground at minimum depth of 400mm within 6 months of drilling (If not using concrete, conical plugs, please specify type in Other)
- Scarifying/Ripping of compacted areas on the contour
- Blocking access to tracks
- Drill sample piles rehabilitated or buried
- Sample bags removed within 6 months of drilling
- All rubbish removed from site (including any hydrocarbon spills)
- Excavations (e.g. sumps, costeans etc.) backfilled and respread with topsoil and cleared vegetation
- Other (please specify):

Tenement conditions require that all rehabilitation must be completed within 6 months of drilling. Any extension of this timeframe requires the written approval of an Environment Officer before the six month period expires.

10.3 Describe Existing Environment and Vegetation

(E.g. Mulga scrublands, Eucalypt / saltbush woodland, Spinifex grassland, Jarrah forest, Farmland, etc.)

As per Mattiske Environmental Site Surveys
W3 Low open woodland of eucalypt loxophleba and Eucalyptus salmonophloia in low shrubland of Accacia rambulosa, Accacia andrewsii, Acacia exocarpoides, Acacia tetragonophylla and Dodonaea inaequifolia, over Acacia erinacea, Pilotus obovatus, Enchylaena tomentosa and Pilotus nobilis on lower slopes and flats. the sites are located in degraded type of W3 community, and does not occur on the elevated BIF ridge. A total of 19 species were recorded in the specific area. Three environmental surveys have been completed by Mattiske Consultants. A fourth report by Mattiske Consultants on the specific sites is pending and field work is completed. Initial advice is there are no conservation significant flora species in the immediate vicinity of proposed dtrill sites

10.4 Describe Landform

(E.g. flat alluvial plain, greenstone, range, creek/drainage lines, hillsides etc.)

Gentle slopes adjacent to a stony ridge

10.5 Do the proposed activities occur on isolated hills / ranges in the Midwest or Yilgarn (banded iron formations) (BIF)?

Yes No

Advice from the DEC may be sought and a flora survey may be required.

10.6 Is your exploration program likely to encounter Radioactive Material?

Yes No

10.7 Is your exploration program likely to encounter fibrous materials such as asbestos?

Yes No

10.8 Does the proposed activity interfere with the Beds and/or Banks of a watercourse?

Yes No

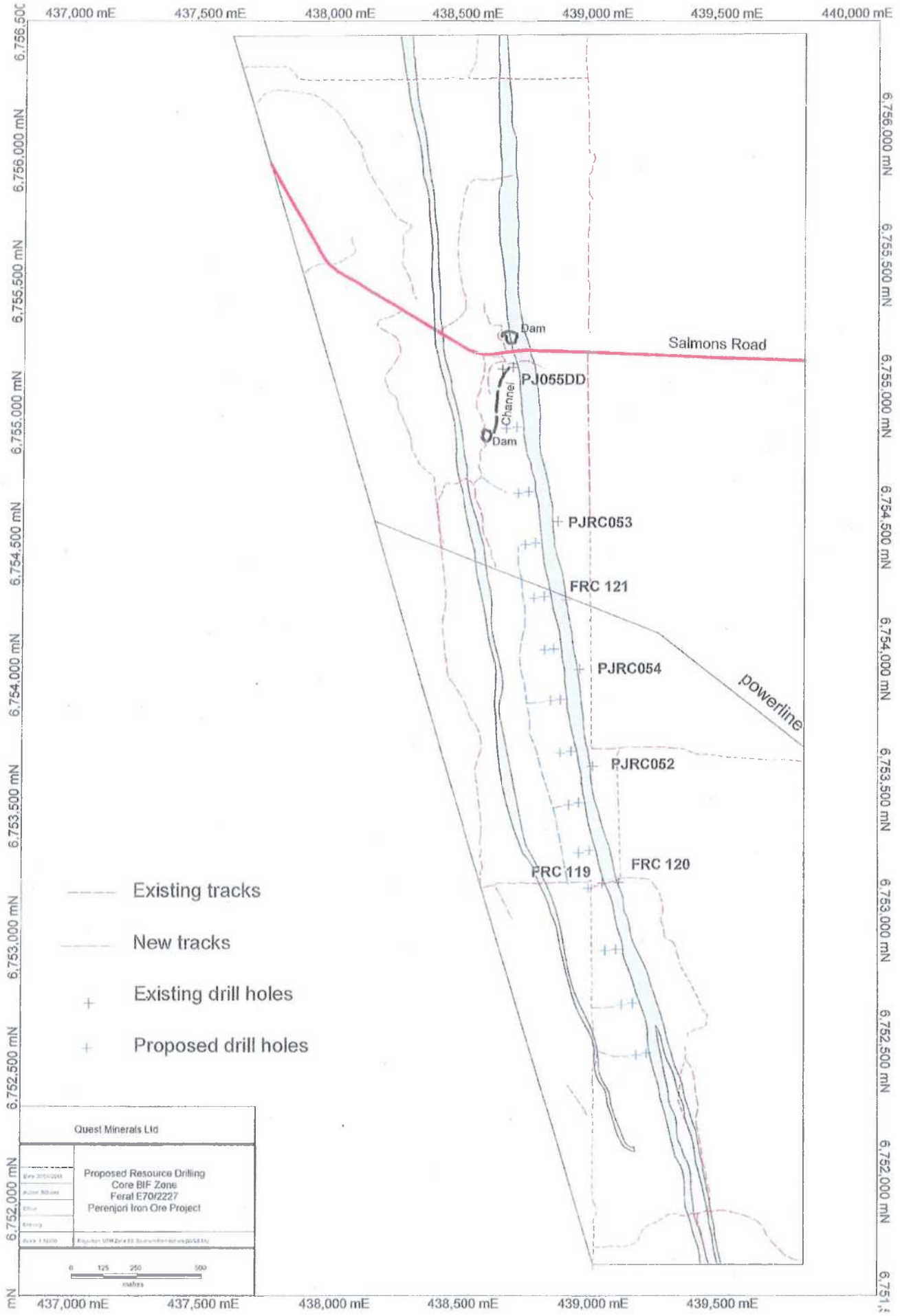
All statements made and information given in this certified application is true and correct. I acknowledge that this application will be rejected if I have not addressed all relevant tenement conditions and/or sufficient information is not supplied.

Yes

Name: Dennis Gee

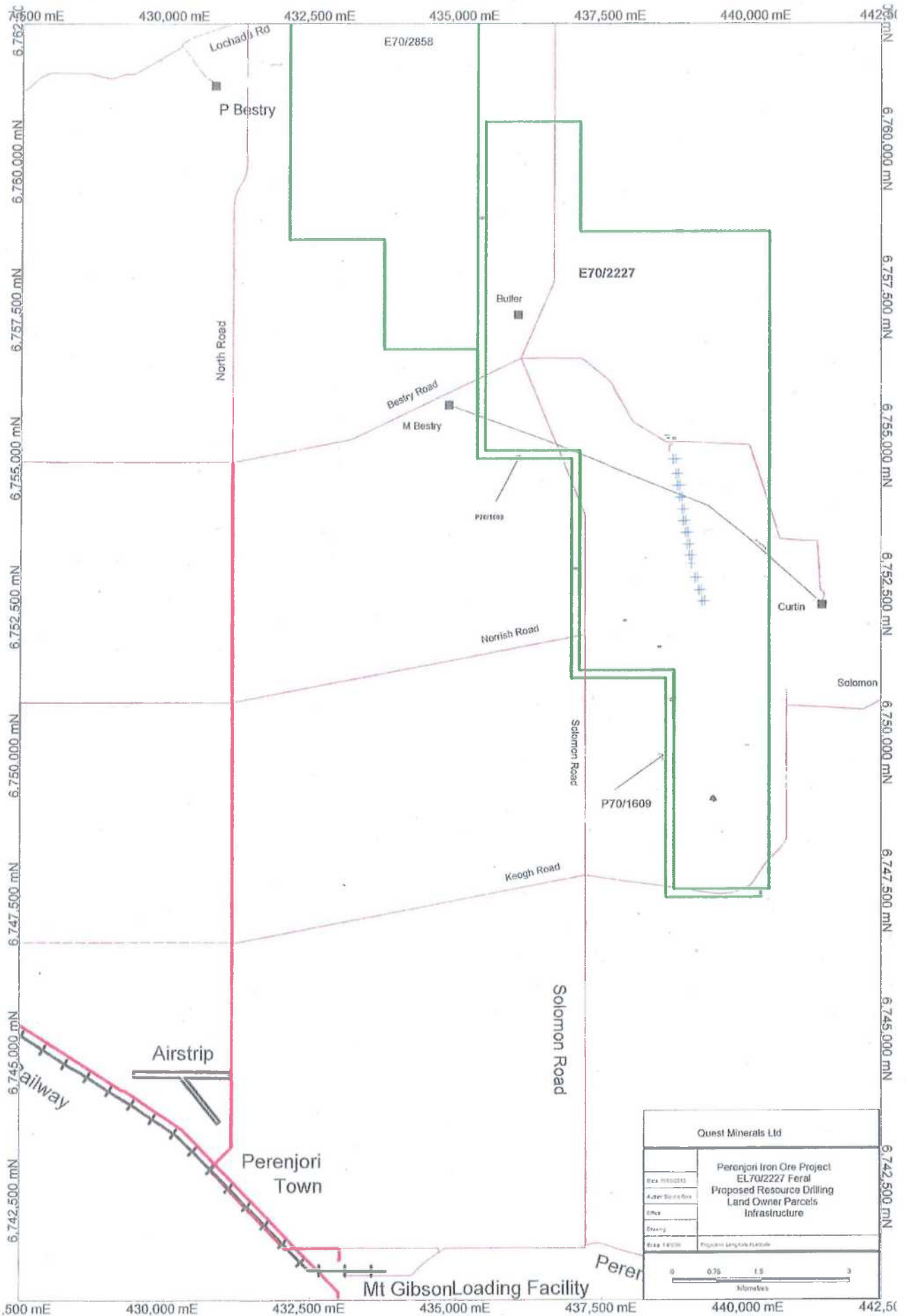
Position: Director Quest Minerals

Date: 30-Jun-13



- Existing tracks
- New tracks
- + Existing drill holes
- + Proposed drill holes

Quest Minerals Ltd	
Scale	1:2000
Proposed Resource Drilling	Core BIF Zones
Feral E70/2227	Perejori Iron Ore Project



Quest Minerals Ltd	
Project	Perenjori Iron Ore Project
Area	EL70/2227 Feral
Drilling	Proposed Resource Drilling
Infrastructure	Land Owner Parcels
Scale	1:50,000

0 0.75 1.5 3
Kilometres

