



File No. 1718-0741

15 FEB 2018

Kerry Griffin
fyi-request-6900-5fddc603@requests.fyi.org.nz

Dear Kerry Griffin

Thank you for your email of 28 November 2017 requesting the following under the Official Information Act 1982 (the Act):

This is a follow up from my last application for information (Ref: DOIA 1718-0480), which was rejected on the basis that it was too large and broad.

I have trimmed down the request to one claim and limited the information within this as previously advised by Mr Alan Whitcombe.

In regard the above claim could you please provide information on the following:

- Supporting application documents
- The application form
- Correspondence between NZP&M and the Applicant
- Internal file notes
- NZP&M's Official Recommendation document.

I have interpreted your request to relate to Mineral Exploration Permit 60156, covering the period from the date the application was received (16 February 2016) through to the date the permit was granted (14 July 2016).


The Ministry of Business Innovation and Employment has identified twelve documents in scope, as detailed in the attached document schedule. Some information within these documents has been withheld under the following sections of the Act:

- 9(2)(a) to protect the privacy of natural persons, including that of deceased natural persons.
9(2)(b)(ii) to protect information where the making available of the information would likely unreasonably to prejudice the commercial position of the person who supplied or who is the subject of the information

In terms of section 9(1) of the Act, I am satisfied that, in the circumstances, the withholding of this information is not outweighed by other considerations that render it desirable to make the information available in the public interest.

You have the right to seek an investigation and review by the Ombudsman of my decision to withhold information relating to this request, in accordance with section 28(3) of the Act. The relevant details can be found at: www.ombudsman.parliament.nz

Yours sincerely

Y.P.


Ilana Miller
National Manager Minerals
Building, Resources and Markets
Ministry of Business, Innovation and Employment

Document schedule

#	Date	Description
1	15 February 2016	Exploration Permit Application
2	15 February 2016	Supporting information from applicant
3	15 February 2016	Bank statement
4	15 February 2016	Confirmation of payment
5	16 February 2016	NZPAM confirmation of application receipt
6	16 February 2016	Invoice: Application fee
7	8 March 2016 to 19 July 2016	Correspondence between NZPAM and applicant
8	11 March 2016	Financial capability records
9	15 March 2016	Processing notification
10	13 July 2016	Recommendation
11	14 July 2016	Certificate: Permit granted
12	Undated	LMS data

Exploration Permit Application

for

Longwood Prospect

Southland

RELEASED UNDER THE
OFFICIAL INFORMATION ACT



NEW ZEALAND
DEPARTMENT OF PETROLEUM & MINERALS



PETROLEUM & MINERALS

APP 01

UNDER SECTION 23A & SECTION 32, CROWN MINERALS ACT

Application for a prospecting permit, mining permit or minerals exploration permit

This form is to be used to apply for a new permit or a subsequent permit under section 32 of the Crown Minerals Act 1991. This form is not to be used to apply for a petroleum exploration permit or any permit offered for allocation by public tender under section 24 of the Crown Minerals Act 1991.

- New Zealand Petroleum & Minerals recommends that applicants familiarise themselves with the Crown Minerals Act 1991 (the 'Act'), the relevant regulations, and the relevant Minerals Programme, and seek professional advice where appropriate before making an application for a permit. See <http://www.nzpam.govt.nz/sms/about-nzpam/rules-and-regulations> for more details.
- Please note that information provided with your application is treated confidentially but may be subject to release under the provisions of the Official Information Act 1982. If this is the case, we may consult with you before the material is considered for public release.
- The personal information you must include in this form is needed to process your application under the Act. You have the right under the Privacy Act 1993 and/or the Official Information Act 1982 to access information held about you by New Zealand Petroleum & Minerals and request that this information be corrected if necessary.
- If the space on any part of this form is insufficient to include all relevant details, place them at the beginning of the supporting information document in the order they appear in this form, state 'see supporting information' in the appropriate space, and attach the document to the application.
- Note that a permit holder is the person who is the sole permit participant, or all of the permit participants, as the case may be. A permit participant means a person who holds a participating interest in a permit.

SECTION 1 - CONTACTS

1.1 Application contact details:

Please set out the details of the Application contact.

Name: s 9(2)(a)

Organisation: **New Zealand Resources Limited**

Postal address: s 9(2)(a)

1 Application contact

The Application Contact is the sole point of contact for an application. An application contact:

- receives all communications about the progress of an application, including any application fee invoice.
- can view all applications for which they are the Application contact (where they have a New Zealand Petroleum & Minerals online permitting system account).

DEPARTMENT OF BUSINESS,
CONSUMER AFFAIRS & EMPLOYMENT

Email: s 9(2)(a)

Preferred contact method: Post Email (a preferred method must be indicated)

Primary phone: s 9(2)(a)

Secondary phone:

1.2 Permit administrator² details:

Please set out the permit administrator details.

Name: s 9(2)(a)

Organisation:

Postal address:

Email: s 9(2)(a)

Preferred contact method: Post Email (a preferred method must be indicated)

Primary phone: s 9(2)(a)

Secondary phone:

- ² Permit administrator
- The Permit administrator is the ongoing primary contact on matters to do with the permit. A permit administrator
- receives all communications regarding the permit and forwards to the Free administrator, Quality administrator, ERI administrator, Geotechnical contact or other contact. This includes all communication arising from any obligations
 - can view all permits for which they are the Permit administrator (and where they have an New Zealand Petroleum & Minerals online permitting system account)
 - by default assumes the Geotechnical contact role for a permit, when the permit is first granted however this can be assigned at any time by email.
 - by default assumes the Free administrator role for a permit, when the permit is first granted, however this can be assigned at any time using the form

SECTION 2: PROPOSED PERMIT HOLDER PERMIT PARTICIPANTS AND INTERESTS

2.1 Proposed permit participant details:

If there is more than one proposed permit participant please record the details of each additional one using Form APP 09 Additional permit participant information (see <http://www.nzpam.govt.nz/cms/permit-holders/permit-applications>).

Name of proposed permit participant: **New Zealand Resources Limited**

Type of proposed permit participant:

<input type="checkbox"/> Individual	<input checked="" type="checkbox"/> NZ registered company (please state NZ Company number) 3196328	<input type="checkbox"/> Crown
<input type="checkbox"/> Incorporated society	<input type="checkbox"/> Partnership	<input type="checkbox"/> Overseas company ³
<input type="checkbox"/> Local authority		<input type="checkbox"/> Trust ⁴
		<input type="checkbox"/> Industrial and provident society
		<input type="checkbox"/> Other (please state)

³ Under section 91 of the Act, the name and contact details of the permit participants of each permit must be on the public register. Contact details for the purposes of this section are considered to be the permit participant(s) address which may be an email address (currently address for service) and telephone number in which the permit participant may be contacted. Therefore, this information will be publicly available.

⁴ Permits can only be granted to legal entities. Trusts must provide the full name of every trustee and partnerships the full name of all partners. This information may be supplied in a separate list included in the supporting information to the application.

⁵ Please note that overseas companies carrying on business in New Zealand are required to register with the New Zealand Companies Office under section 234 of the Companies Act 1993. For further information on registration and the obligations of overseas companies carrying on business in New Zealand please refer to www.companies.govt.nz



Postal address:⁶ s 9(2)(a)

Physical address:⁶ s 9(2)(a)

Address for service:⁷

Primary phone: s 9(2)(a)

Email address:

Preferred contact method: Post Email (a preferred method must be indicated)

⁶ Physical and postal addresses need to be of the registered office, if applicable.
⁷ The address for service must be a physical address within New Zealand.

2.2 Proposed permit interests:

Please list all proposed permit participants, their percentage interest in the proposed permit and indicate the proposed permit operator.⁸

Permit participant(s):	Operator: ⁸ (Y/N)	Interest:
1. New Zealand Resources Limited	Y	100 %
2.		%
3.		%
4.		%
5.		%

⁸ The operator is the person who is responsible for the day to day management of activities under the permit.

SECTION 3: PROPOSED PERMIT DETAILS

3.1 Proposed permit details:

Please provide the following details:

What type of permit are you seeking?	Petroleum OR Minerals	Prospecting	Mining
		Prospecting	<input checked="" type="checkbox"/> Exploration Mining

What mineral(s) are you seeking this permit for?⁹

Proposed permit tier:¹⁰ Tier 1 Tier 2

⁹ For subsequent permits, the minerals must be one or more of the same minerals as the current permit.
For all Petroleum permits are Tier 1. For minerals permits see <http://www.legislation.govt.nz/act/public/1991/0070/utcsi/DLM5239546.html>



If this is a *prospecting* permit application, is a non-exclusive permit sought?

Not applicable (*non applicable for petroleum exploration permits*)

Yes If this is a petroleum prospecting permit application, are you applying for speculative prospector status?¹¹

Yes No

No

If this is an *exploration* or *mining* permit application, is the application for a subsequent permit pursuant to section 32 of the Act?

Not applicable (*not an exploration or mining permit application*)

Yes current permit number:

No (*Application must be received before permit expires*)

If this is a *Minerals mining* permit application, please tick all mining methods that are proposed to be used and state whether the application is for a hobby or recreational operation and whether it is for a special purpose mining activity:

Not applicable (*not a minerals mining permit application*)

Solution mining Open cast Other (please state)

Surface mining Underground

Dredging Reworking

Hobby or recreational operation¹² Yes No

Special purpose mining activity Yes No

Not applicable (*not a minerals permit application*)

Yes, NAA number:

No

Proposed area:¹³

hectares or 155.4 square km

Location:

Region (please state) Southland

Onshore Offshore¹⁴ Both

Is the permit application area intended to exclude all granted permits or existing privileges for the same minerals group?

Yes No

Proposed operation name:

Longwood Project

Proposed duration¹⁵

5 Years Months

¹¹ As defined under section 90C of the Act

¹² Hobby or recreational operations means small scale suction dredging operations where the suction dredge has a combined engine rating no higher than

¹³ 10 Horse power, and beach sand mining operations that are limited to hand tools and rattle box.

¹⁴ As defined under section 2 of the Act

¹⁵ 1 and with that it is subject to a time bound competitive allocation process. For more information about the process, see clauses 7 and 6.14 of the Minerals Production for Minerals (including Petroleum) 2013

¹⁶ The area is to be stated in hectares for Minerals exploration and mining permits only. For all other permit types, including all Petroleum permits, please state the proposed area in division in square kilometres

¹⁷ Onshore is anything that is the seaward side of the mean high watermark

¹⁸ **Prospecting permits** are ordinarily granted initially for up to 2 years, **exploration permits** are ordinarily granted initially for up to 5 years and **mining permits** for up to 40 years. **Mining permits** for alluvial gold and hobby or recreational operations are ordinarily granted for up to 10 years

SECTION 4: SUPPORTING INFORMATION

4.1 Documents required:

Please attach the following:

- A signed APP 09 form for each additional proposed permit participant.
- A signed APP 10 Application authority form for each proposed permit participant that is not you as an individual.
- For Tier 1 minerals applications on land for minerals other than gold or silver only – a Land Minerals Status (LMS) report. Even if this is a subsequent permit application and an LMS report has previously been provided please attach a copy of the report.
- A map of the permit area. The map must clearly identify the location of the proposed permit and must be prepared in accordance with the regulations. For subsequent permit applications, the area must fall only within the area of the current permit.
- Other supporting information as outlined in the relevant Regulations, see the application guides at the following link: <http://www.nzpam.govt.nz/cms/permit-holders/permit-applications>

SECTION 5: APPLICATION FEE

5.1 Fee payment:

Please indicate how the application fee is to be or has been paid:

- I have paid by direct credit and have attached as evidence a copy of the successful internet banking transaction.
- I have attached a cheque.

If your application must be accompanied by the appropriate fee prescribed in the relevant fees legal notice or evidence that the appropriate fee has been paid. Payments by direct credit are to be made to New Zealand Petroleum & Minerals' bank account held with Westpac Bank, account number 03 0000 0000000000 and a proposed permit participant's name should be used as the reference for the payment.

SECTION 6: DECLARATION

I declare that all information provided in this application is true and correct to the best of my knowledge and that I am authorised to sign this application.

Signature: 
Name: 
Position of signatory: Director
Organisation: New Zealand Resources Limited
Date: 15 February 2016

If where the permit participant is a company, partnership, society, trust or other legal entity, the application must be signed in accordance with the relevant legislative requirements, constitution, or rules by a person or agent with the requisite authority. All applications must be signed in accordance with the relevant regulations.

This completed form is to be forwarded to nzpam@mbie.govt.nz or mailed to the NZP&M postal address below.

www.nzpam.govt.nz
nzpam@mbie.govt.nz

PO Box 1473, Wellington 6140,
New Zealand

FREEPHONE (WITHIN NEW ZEALAND): 0508 263 782
INTERNATIONAL CALLS: +64 3 962 6179 FAX: +64 4 471 0187

NZP&M is a branch of the New Zealand Ministry of Business, Innovation and Employment. We manage New Zealand's Crown Mineral Estate. Our aim is to maximise the gains to New Zealand's economy from development of these resources, a key component to the government's Business Growth Agenda. To support this aim we endeavour to educate and inform New Zealanders, including consultation with Indigenous stakeholders and local government.

1. Applicant Profile

The Applicant, New Zealand Resources Limited (New Zealand Resources) (Company Number: 3196328), is a NZ Limited Company s 9(2)(a) The company was incorporated on 15 Nov 2010 and is registered at the Companies Office.

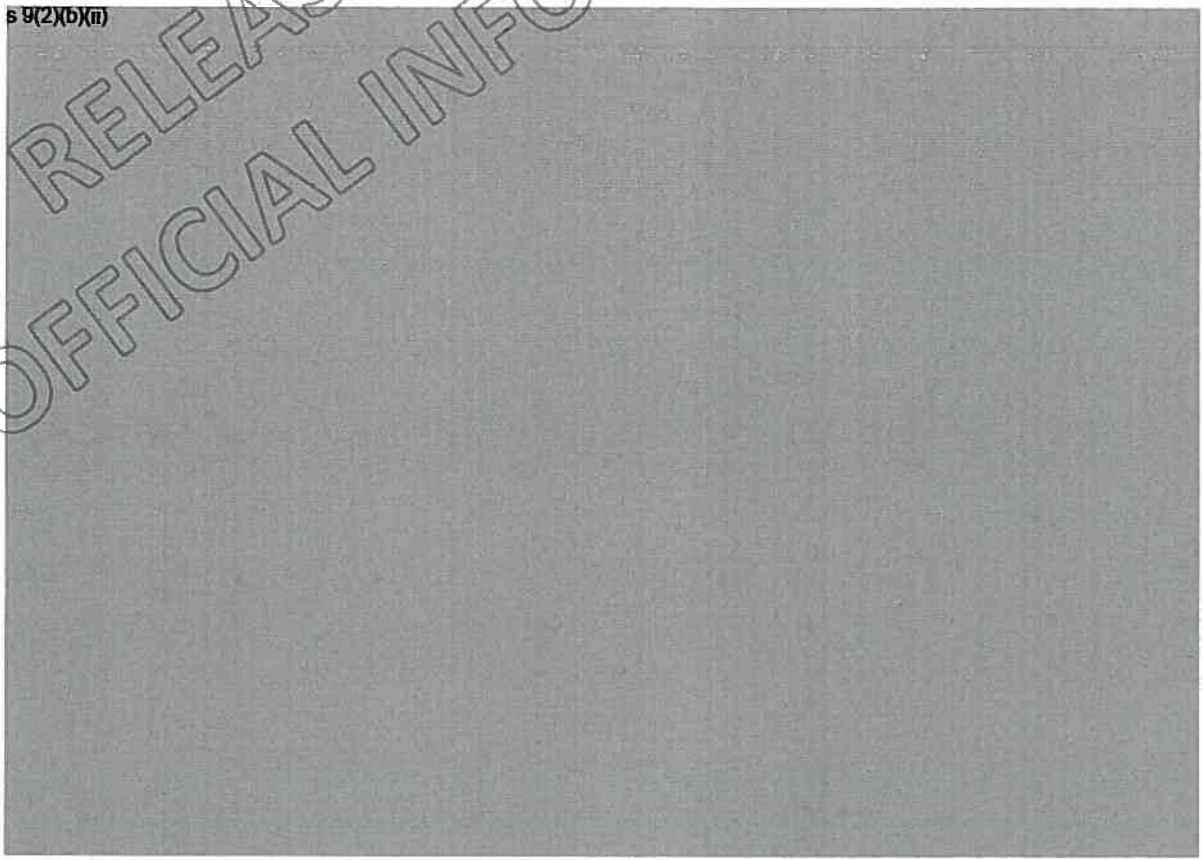
1.1 Statement of Technical Qualifications of the Applicant

s 9(2)(a)



1.2 Statement of Financial Resources of the Applicant

s 9(2)(b)(ii)



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2. The Minerals Sought for this Application

Although the target minerals for exploration are the platinum group metals (PGMs) and gold, all metallic minerals as defined in the Crown Minerals Act 1991 are sought in respect of this exploration permit application (EPA).

3. Location of Exploration Permit Application

The Longwood Prospect is located at the base of New Zealand's South Island, about 50 km northwest of Invercargill. Figure 1 is the location map.

The EPA covers the southern and central parts of the Longwood Range, which is a 25 km range of hills trending north-south with a maximum elevation of 804 m above sea level.

3.1 Description of Land Area to which the Application relates

The land area of the EPA comprises all that area of land as bounded by straight lines between the geographical coordinates (NZGD 2000) commencing at a point:

Point	Latitude	Longitude	
1	46° 08' 03.2491" S	167° 50' 25.0945" E	then south-west to
2	46° 14' 38.4027" S	167° 44' 24.3454" E	then south-east to
3	46° 15' 51" S	167° 47' 00" E	then south-east to
4	46° 17' 31" S	167° 48' 43" E	then south-east along the boundary of MMP 41653 to
5	46° 19' 00" S	167° 49' 39" E	then south-east to
6	46° 20' 06" S	167° 53' 07" E	then north-east to
7	46° 19' 51" S	167° 53' 56" E	then north to
8	46° 16' 39" S	167° 54' 14" E	then north-west along the boundary of EPA 60112.01 to
9	46° 15' 45" S	167° 53' 58" E	then north-west along the boundary of EPA 60045.01 to
10	46° 14' 17.3195" S	167° 53' 21.0248" E	then north-east along the boundary of EPA 60045.01 to
11	46° 13' 22.5205" S	167° 54' 25.4757" E	then north-west along the boundary of EPA 60045.01 to

		point of commencement
		NZGD2000

3.2 Map of Application Area

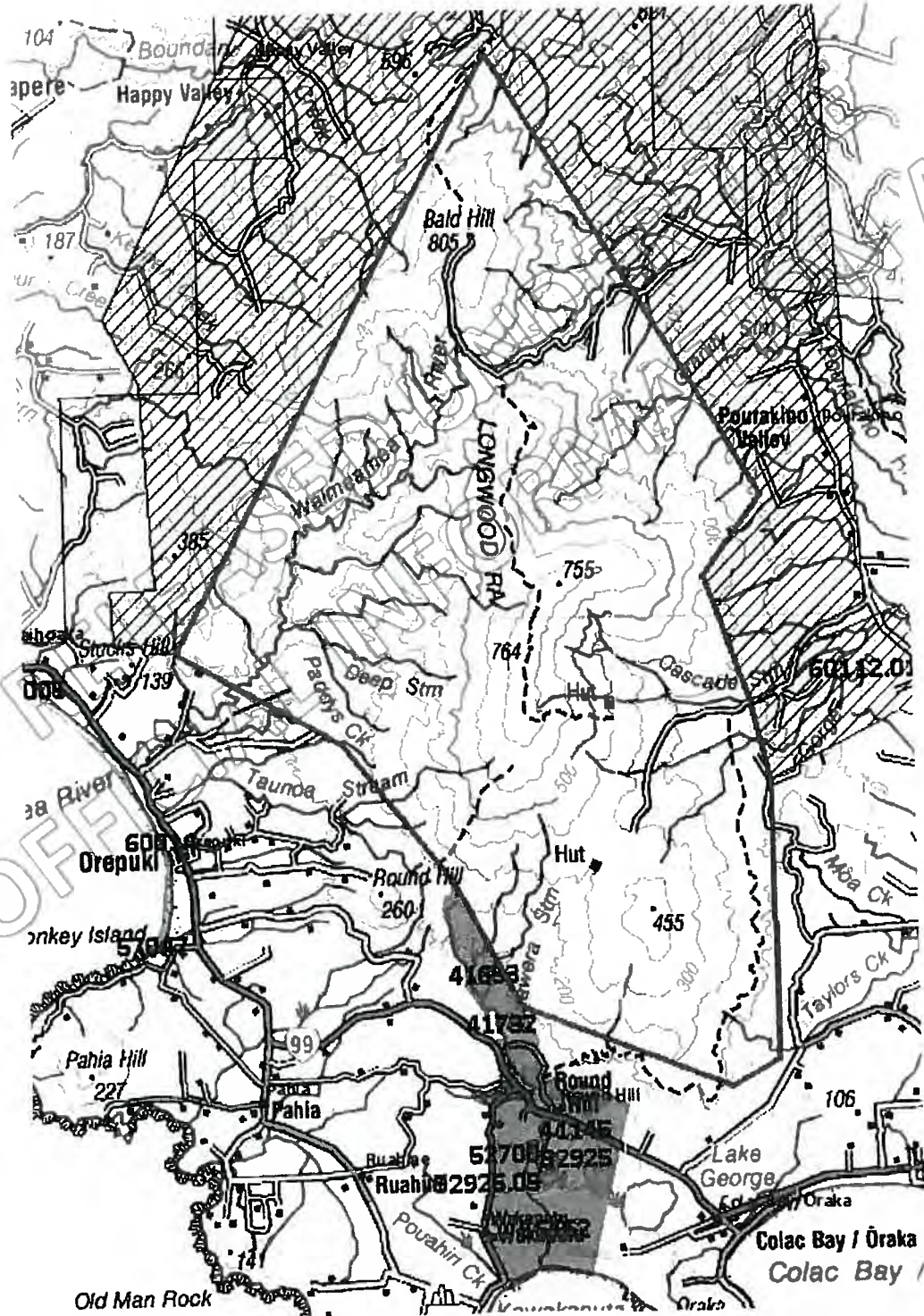


Figure 1: Location of the Longwood exploration permit application (all that land area within the red polygon).

3.3. Land and Mineral Ownership

The Department of Conservation (DOC) administers most land within the EPA and deems the Longwood Forest as Conservation Area. All metallic minerals are therefore likely to be Crown owned.

The applicant seeks a Tier 2 exploration permit in respect of the EPA. Unless the Minister deems the EPA a Tier 1 application, a report stating the ownership of the minerals (a Land Mineral Status Report) is not immediately required by the Crown Minerals (Minerals Other than Petroleum) Regulations 2007.

4. Geology

A summary of geology to which the permit application relates, including whether the land contains any defined exploration targets or is contiguous with any defined exploration targets

4.1 Regional Geology

The rocks of the Longwood Range are Late Paleozoic ultramafic to granitic intrusives of the 'Longwood Igneous Complex', which lies on the eastern edge of the Median Batholith. As defined by Challis and Lauder (1977) the Longwood Complex consists of –

"a layered basic intrusion of orthopyroxene gabbro, norite, olivine gabbro, troctolite, anorthosite and peridotite intruded by trondhjemite and hybrid diorite formed by assimilation of the basic rocks. Also included are late granite dikes and three sets of basic dikes."

Geological mapping has been extensively revised in recent years integrating the results of airborne geophysical surveys and radiometric ages for the main units. Mortimer et al., (1999)¹ recognized two magmatic suites in the Longwood Igneous Complex:

- i. an eastern suite of isotopically primitive, early Triassic to late Permian gabbroic and trondhjemite intrusives [the Hekeia Gabbro (YTh) and the Pourakino Trondhjemite (Ybj)] forming the central part of the range; and
- ii. a more westerly suite of mid Triassic to early Jurassic dioritic to granitic intrusives termed the Holly Burn Intrusives (Thb).

The Hekeia Gabbro is part of the Permian Brook Street Terrane (Ybt), and was intruded into volcanogenic greywackes of that terrane. The exact intrusive relationships between the Hekeia Gabbro and the Pourakino Trondhjemite are not clear. Both plutons were subsequently intruded on their western margins by plutons of the Median Batholith (Figure 2; Mortimer et al., 1999). However, contact relations and structural features of the Longwood Range rocks are largely obscured by forest, soil, and colluvium on the margins of the range.

The structural geology of the Longwood Range rocks is also not well known. No major faults have been observed on the ground, however an orthogonal set of major NE-SW and NW-SE magnetic and

¹ Mortimer N, Gans O, Calvert A, Walker N 1999. Geology and thermochronology of the eastern edge of the Median Batholith (Median Tectonic Zone): a new perspective on Permian to Cretaceous crustal growth of New Zealand. *The Island Arc* 8: 404-425.

topographic lineaments indicate significant faulting which in part controls the distribution of lithologies (Figure 2; Mortimer et al., 1999).

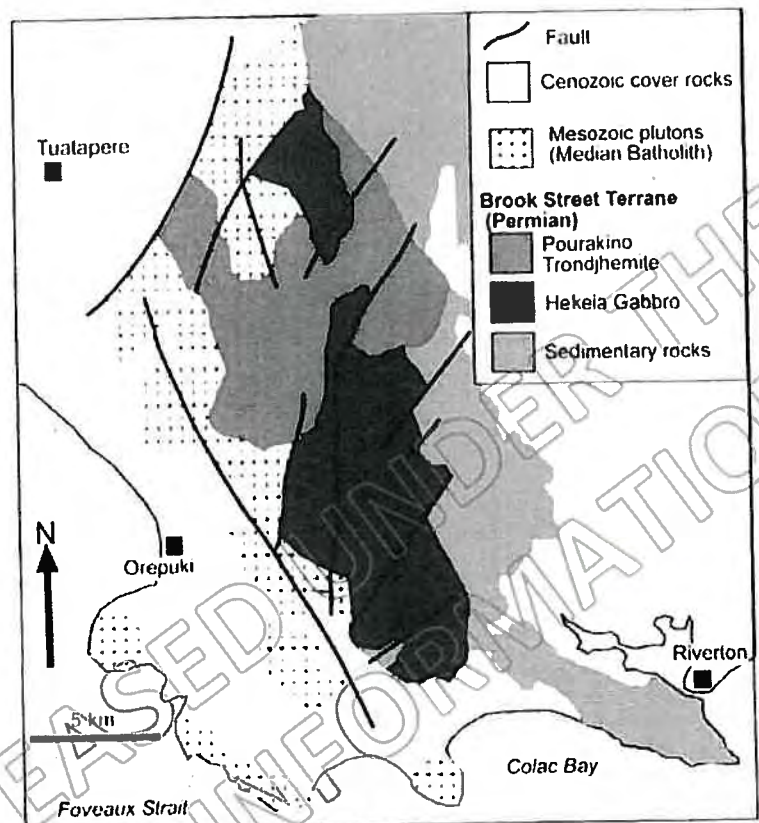


Figure 2: Summary geological map of the Longwood Range (from Mortimer et al. 1999 and QMAP; Turnbull and Allibone 2003).

The known hard rock platinum potential in the Longwood Range is largely confined to the Hekeia Gabbro, a layered mafic/ultramafic complex – a type of geological setting that is associated with PGM deposits in other parts of the world.

4.2 Local Geology

The EPA contains the bulk of the known outcrop area of the Hekeia Gabbro, which is the main PGM prospective unit within the Longwood Range. Figure 3 (an extract from GNS QMAP 20) is a geological map of the EPA area (legend as indicated in Figure 4 below) and shows the distribution and extent of the Gabbro (YTh). GNS QMAP 20 also indicates about 90% of the Hekeia Gabbro is within the land applied for.

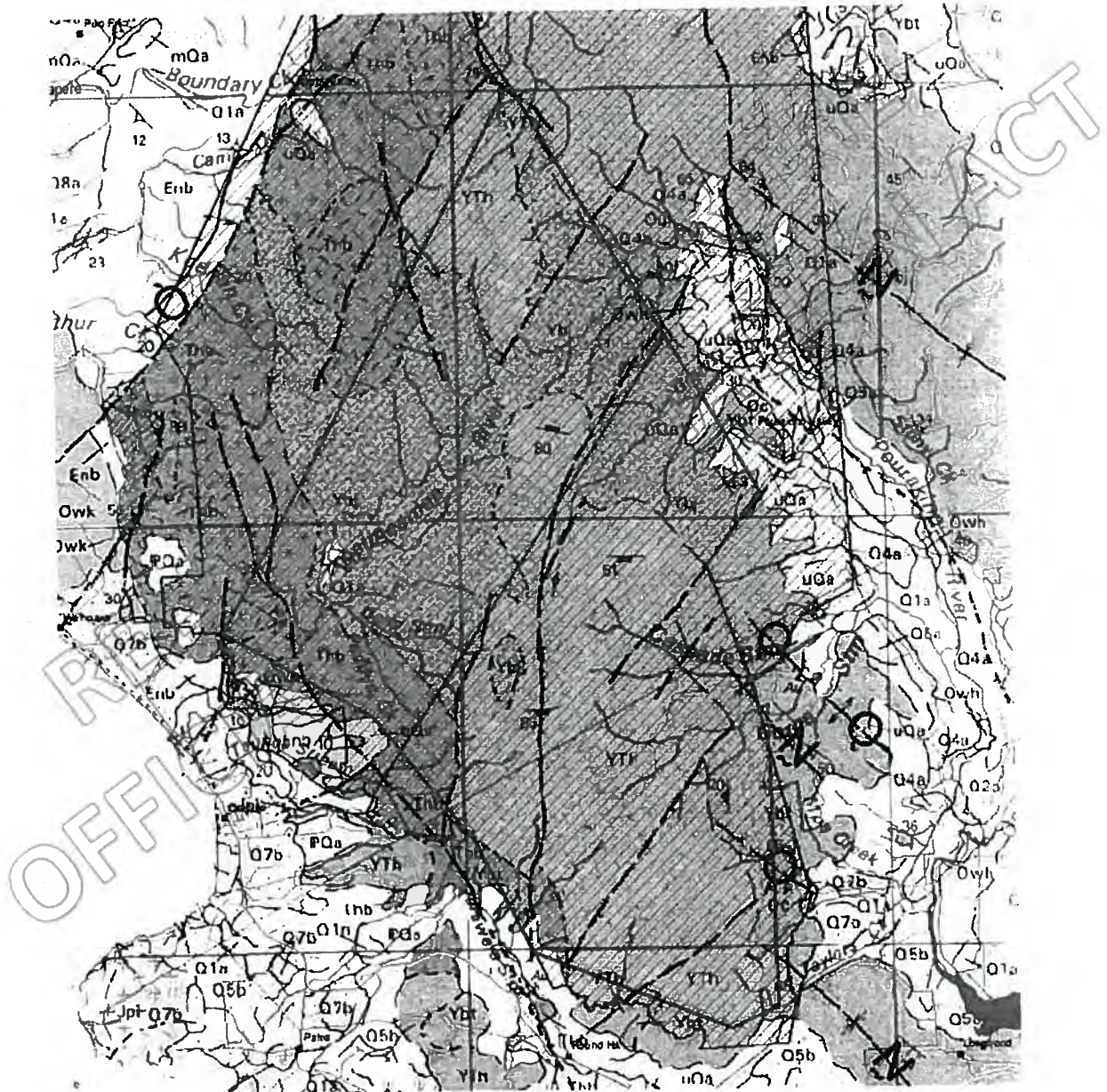


Figure 3: Geological map of the Longwood exploration permit application (from GNS QMAP 20, 1:250,000; Turnbull and Allibone 2003). The EPA is all that land area within the red polygon.

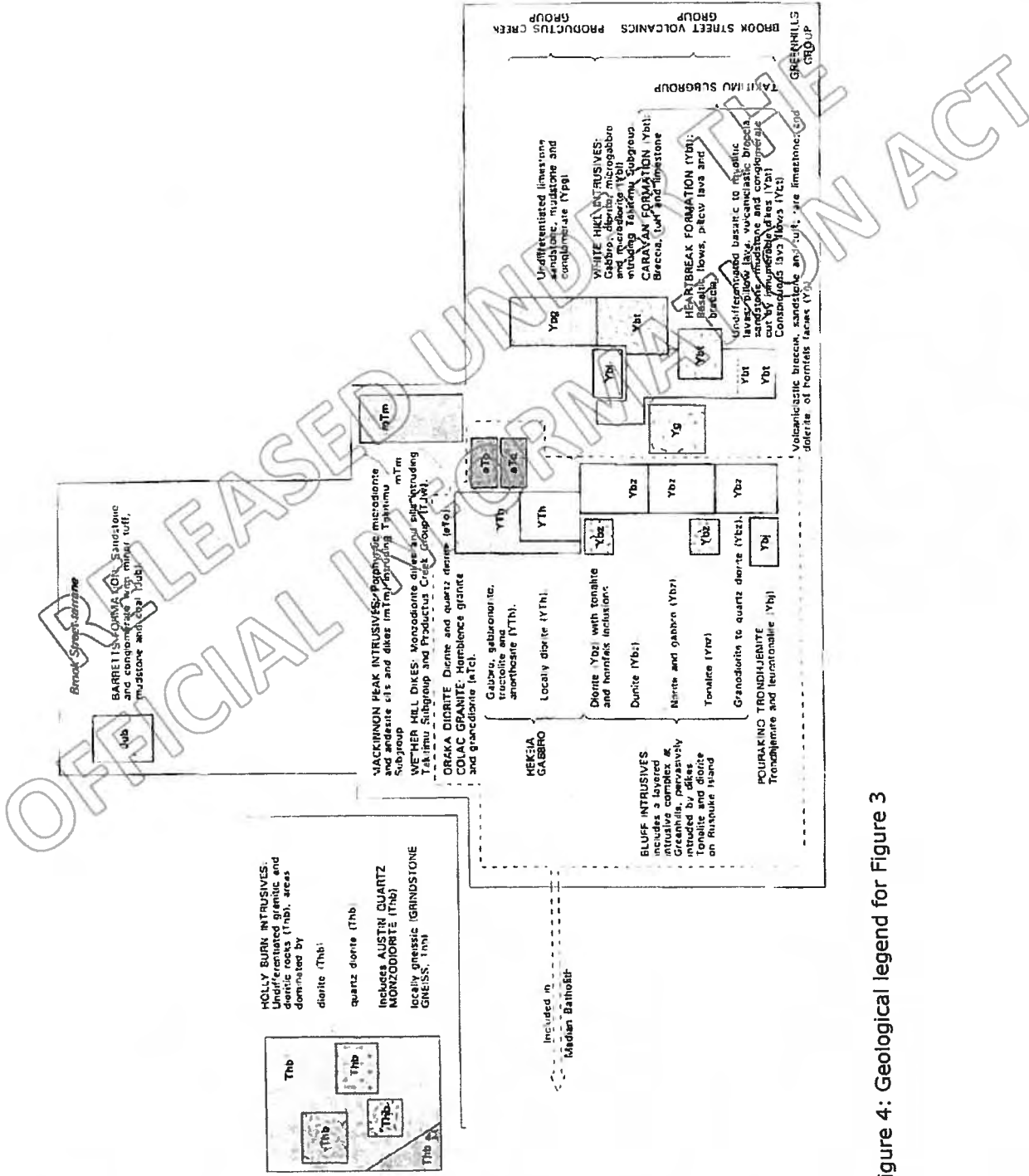


Figure 4: Geological legend for Figure 3

Aeromagnetic imagery of the Longwood Range region, enhanced from the original data of Anzex Resources (Ford 1999) by reprocessing (Figure 5), indicates that the Hekeia Gabbro has high (but variable) magnetic susceptibility which can be divided into three domains:

- i. a highly magnetic domain to the east;
- ii. a less magnetic domain to the west; and
- iii. a domain of rocks of intermediate magnetism between these two areas.

All domains exhibit a ribbed pattern that suggests they are composed of layered rocks of varying magnetic response. Figure 5 also indicates that the general northeastwards trend of the magnetic fabric at the southern end of the EPA, but across the 'Longwood Tops' the general trend swings north and northwestwards. At the northern end of EPA (Bald Hill) the magnetic fabric trends north to northeastwards.



Figure 5: Regional Aeromagnetic map, from the Anzex exploration survey, with principal geological boundaries and faults (partially from QMAP). The Longwood Tops is the area outlined in white.

The relatively less PGM prospective Pourakino Trondhjemite (Ybj) – a large, homogeneous, variably-altered granodiorite body – is the main rock unit mapped in the northern half part of the EPA and in contrast has low magnetic susceptibility. In the western sector of the EPA the Pourakino Trondhjemite is in tectonic/intrusive contact with younger Holly Burn Intrusives (Thb).

Immediately east and south of the EPA the geology is dominated by Palaeozoic lavas and volcanoclastic rocks (Takitimu Group basement rocks).

Quaternary-Recent alluvium flanks the intrusive rocks to the east, west and south of the EPA. These sediments have been explored and worked for alluvial gold and platinum since the 1890s.

4.3 Mineralisation and Exploration Models/Targets

The Longwood Prospect has good potential for hard rock PGM mineralization, and Intrusion Related Gold deposits (IRGD).

4.3.1 Primary PGM deposits potentially associated with Hekeia Gabbro

The Hekeia Gabbro is the obvious target in the EPA for primary PGMs. The potential PGM occurrences/mineralization styles in these intrusives are: 1) narrow platiniferous “reefs” with low sulphide content (e.g., the J-M Reef of the Stillwater Complex, USA); 2) zones of “contact” mineralisation at the margins of the gabbros (e.g., the ‘Platreef’, Bushveld Complex, S. Africa); and 3) the feeder zones of the gabbros (e.g., Voisey’s Bay deposit, Canada).

The platinum potential of the area has recently been reviewed in a study by the University of Otago for NZP&M (Craw et al, 2011²). These workers’ technical studies demonstrate the potential PGM ‘fertility’ of the Hekeia Gabbro, and suggest that the magmas which formed these intrusives were sulphur-undersaturated. Indeed there is some suggestion of a PGM enrichment event at 286.6 m in Anzex Resources Limited Drillhole 3 (collared at the Longwood Tops) where analyses indicate a Pt + Pd peak of 1.74 g/t. A pronounced trough in Cu/Pd coincides with the Pt + Pd peak and may indicate S-saturated conditions. Therefore given that the rocks are sufficiently fertile, there is every possibility of intensification of such events to form PGM mineralised horizons elsewhere in the Longwood Complex, particularly where the magma may have been contaminated by sulphur-rich crustal rocks.

4.3.2 Hydrothermal PGMs

Core from the Anzex Resources’ drillhole 3 indicates the gabbro contains shears with hydrothermally altered (actinolite, chlorite, biotite, epidote and chalcopyrite) selvages. At 125m this material is coincident with elevated Pt + Pd. Therefore the possibility of locating PGM mineralization associated with sheared, hydrothermally altered Hekeia Gabbro (or in the younger Holly Burn Intrusives) within the EPA should not be discounted.

4.3.3 Intrusion Related Gold Deposits (IRGD)

Intrusion-related gold bearing deposits are found in well-preserved, moderate- to high temperature collisional belts, which include the large areas of Mesozoic tectonism throughout the Median Batholith

² Craw D, Mackenzie D, Ashley P 2011. Platinum potential of Longwood Range, Southland, New Zealand. *The Report to Ministry of Economic Development*, August 2011.

of New Zealand's South Island (e.g., as exemplified by the Sam's Creek gold deposit). The Longwood Igneous Complex (including the Holly Burn Intrusives) could also host one or more IRGDs, which is supported by the presence of a number of historic hard-rock gold workings and contemporary exploration gold prospects adjacent to the EPA and within the Holly Burn Intrusives and the Brook Street Volcanics. These occurrences, including the Merrivale Goldfield and the Holly Burn and Fairfax gold prospects, share a number of distinguishing characteristics with IRGD.

5. Mining and Exploration History

A summary of past prospecting, exploration or mining activities that may be relevant to the land covered by the permit application.

5.1 Historical Production

While the exploration targets of the Longwood Prospect are hard rock PGMs and epigenetic gold occurrences, the peripheral areas either side of the EPA have a long history of alluvial gold mining.

5.1.1 Alluvial gold

Most past gold production has been from Round Hill, located immediately to the southwest of the EPA. Although the history of gold mining in the Round Hill area is poorly documented, it appears the gold was discovered at Orepuki in 1867. Alluvial terraces flanking the Longwood Range were extensively sluiced while on the lower ground the gold-bearing alluvium was raised by hydraulic elevators. The Round Hill Gold Mining Company operated successfully for almost half a century with mining operations up until the 1950s returning about 88,000oz of gold from about 25 million cubic metres of gravel. Recovering the very fine gold was always a problem for the company.

5.1.2 Alluvial platinum

Minor amounts of platinum are reported to be associated with the alluvial gold throughout the district and in beach sand deposits, and although there are no accurate records of production, it has been estimated that at least 1500oz of PGMs were produced from the Round Hill operation. The source of these PGM occurrences has not been determined.

5.1.3 Hard rock gold

In 1880, quartz veins from the eastern side of the Longwood Range were mined from the Printz-Arethusa area with small batteries erected. Around 60t was processed producing 53oz of gold.

Gold workings are reported from the Merrivale area in the northwest of the Longwood Range. Minor occurrences of gold mineralisation are also reported on the eastern side of the Longwood Range at Jubilee Hill and at Scout Camp Road.

5.1.4 Hard rock platinum

There is no record of PGM production from hard rock deposits in the Longwood area.

5.2 Contemporary Exploration

The Longwood Range has been explored for base and precious metals since the 1960s. NZP&M's report

database lists more than 30 reports for the Range. The most of the significant results for platinum and gold exploration within the EPA are contained in the exploration reports of Sigma Resources and Anzex Resources. There is extensive data available on the EPA arising from exploration carried out by a number of companies since the first detailed investigation by Sigma Resources in 1988. The reports containing significant data are listed in Table 1.

5.2.1 *Geochemical surveys*

The most encouraging exploration results for PGMs in the Longwood Range are from within the EPA. Stream sediment geochemistry sampling by Amoco, Kennecott and Sigma covers much of the EPA although samples have varying analytical methods and detection levels. Platinum (Pt) and palladium (Pd) values for most stream sediment samples are in the range 0.5 to 5ppb. Values higher than this in sieved sediment samples are regarded as strongly anomalous. Stream sediment sampling has produced Pt + Pd anomalies up to 150ppb, with most anomalies located near the crest of the Longwood Range (i.e., the Longwood Tops area, central to the EPA) where the Hekeia Gabbro crops out.

Rock sampling at the Longwood Tops has also returned encouraging geochemical results, with best assay results of 3.0 g/t Pt and 3.3 g/t Pd in olivine gabbros rock float with minor (<0.5%) sulphide. Rock sample platinum anomalies also occur at Bald Hill in the northern sector of the EPA. Across the EPA, platinum-in-rock anomalies generally correspond to gold-in-rock anomalies.

No platinum drill targets have been identified in the Longwood Prospect area to date. However, in the late 1990s Anzex Resources Limited completed four diamond drillholes in the Longwood Tops. The locations of these drill holes are shown in Figure 6. Holes 1 and 2 were drilled primarily to determine the geology and mineralogy of the gabbro. Layering was interpreted from the drill results to dip steeply to the west, rather than being gently dipping as was inferred from the aeromagnetic data. Holes 3 and 4 were sited to test this new interpretation and Hole 3 intersected 3m at 0.34ppm Pt + Pd from 264.9m (including 1m at 0.53ppm Pt + Pd), and 2m at 0.81ppm Pt + Pd from 286.1m (including 1m at 1.05ppm Pt + Pd).

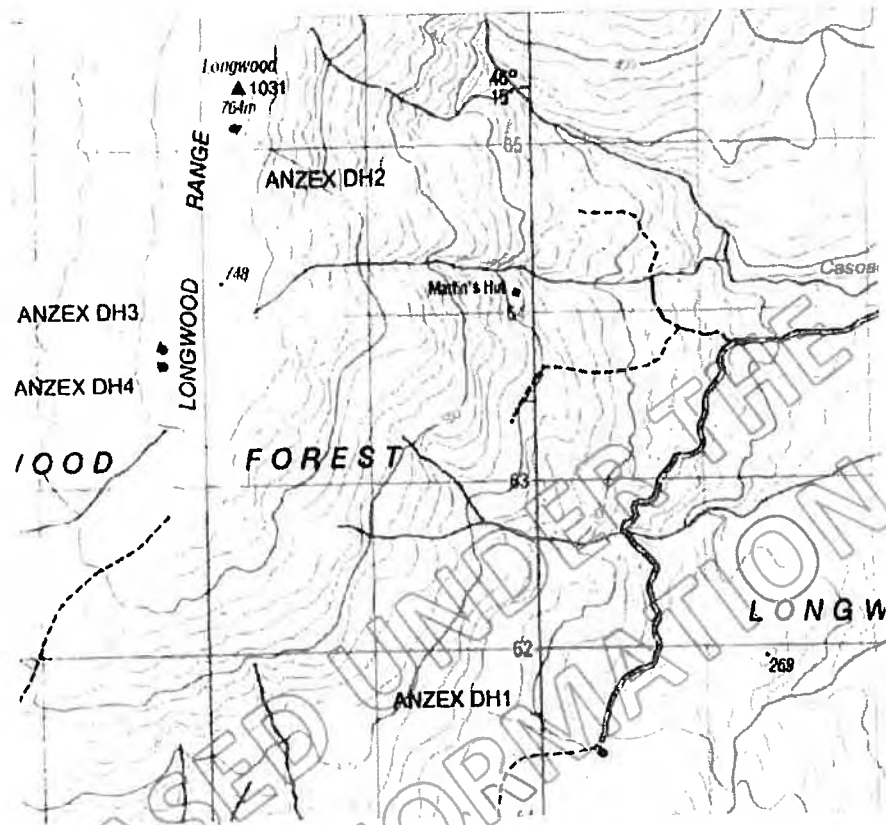


Figure 6: Location of the Anzex drill holes.

5.2.2 Geophysical surveys

Figure 5 shows the 2008 Anzex Resources aeromagnetic data for the Longwood Range. The survey was flown at 200 metre line spacing. Interpretation of the Anzex data shows that magmatic layering in the Hekeia Gabbro can readily be detected but that the structure of the layers is complex and is disrupted by faulting. Anzex did not acquire radiometrics, which would have been informative in terms of detecting altered mafic rocks, outcropping felsic dykes and hydrothermally altered outcrops enriched in potassium.

Table 1: Exploration reports considered:

Report No	Company Author	Location/ Work Completed	Year End	Results / Comments
2026	Kennecott; J.M. McPherson	Longwood Range; Aeromagnetic survey, stream sediment samples (base metals only). Limited soil and rock chip sampling.	1970	Samples analysed for Cu Zn and Ni only; Programme exploration target was copper-nickel mineralization.
2063	Amoco; C Barnes, M Erceg, K R Hay	Longwood Range and area to the east; 294 stream sediment samples and 383 panned concentrate samples were collected.	1981	Reconnaissance stream sediment sampling, panned concentrate, soil sampling on the Longwood Southern Tops, geological mapping and float examination was carried out over the 358 square km licence. Samples were analysed for Cu, Pb, Zn, Au, Ag, Pt & Ni. Significant gold and platinum anomalies were confined to streams in south-western & south-eastern flanks of Longwood Range; Stream sediment and panned concentrates gave Pt values up to 2.8ppm Pt but as none of the rock samples contained detectable Pt (i.e. > 0.1ppm) it was concluded that the Pt is not derived from a source in the Longwood Range.
2071	Sigma Resources; P Nicolson, M Inger, A Cowden	Longwood Range and areas to the north, east and west; Geological mapping, 121 stream sediment samples, 28 bulk stream sediment samples, 92 soils samples and >300 rock chip samples.	1988	Geochemical anomalies defined the Longwood platinum prospect, a 10 by 2 km zone within the layered mafic series with Pt and Pd in drainages. Within this zone soil sampling returned up to 170 ppb Pt and 35ppb Pd. Rock float (leucogabbro/troctolite) with sparse sulphides returned up to 0.6ppm Pt, 0.5ppm Pd and 0.1ppm Au.
3696	Anzex Resources; P B Ford	Longwood Range; Stream sediment sampling to check anomalies, 27 km soil sampling,	1999	Soil value max 810ppb Pt + Pd; Rock samples up to 384ppb Pt + Pd. DDH 3 intersected 3m at 0.339g/t Pt + Pd between 264.9 and 267.9m and 2m at 0.8 g/t Pt + Pd between 286.1 and 288.1m including 1m at 1.05g/t Pt +

		<p>1500 samples, 233 rock samples for Pt + Pd & other elements. Aeromagnetic survey of 4000 line km using 200m line spacing. 2500m diamond drilling in 4 holes.</p>		<p>Pd; Most comprehensive Pt exploration programme on Longwood Range to date.</p>
3743	<p>Anzex; AJ Naldrett & P Ford</p>	<p>Longwood Range; Reviews the Anzex programme results including drilling</p>	1998	<p>See above for MR3696.</p>
4122	<p>Resource Eye Services Inc</p>		2005	<p>The report is a compilation of the available geological and geochemical documentation pertaining to the area of EP 40610. A geological and geophysical review was undertaken over four separate areas of interest that overlie the Longwood Igneous Complex. Geochemical exploration data was obtained from reports held by the Ministry of New Zealand Mines. Of particular interest was the distribution of Platinum Group Elements (PGE). The Longwood area, and in particular the Pahia Layered Series, has good potential for hosting significant PGE mineralisation. Combined geophysical and drillhole data provide strong evidence of the favorable lithological setting for mineralisation within the layered olivine gabbros and trocolites. PGE anomalies from the geochemical samples occur in soils overlying these units and also in sediments from river and stream drainage in and around the area. It is recommended that a diamond drilling programme be implemented as the next stage of exploration. (Update: Longwood aeromag data in ASEG-GDF2 format has been added to MR4122-4 enclosure)</p>
4258	<p>Crown Minerals; A McOnie</p>	<p>Takitimu-Longwood; Data compilation and GIS database.</p>	2006	<p>Comprehensive summary of existing geological geophysical and geochemical data; Compilation includes the main reports to date.</p>

6. Work Programme and Expenditure

This exploration permit application is made and is to be assessed under section 29A of the Crown Minerals Act 1991.

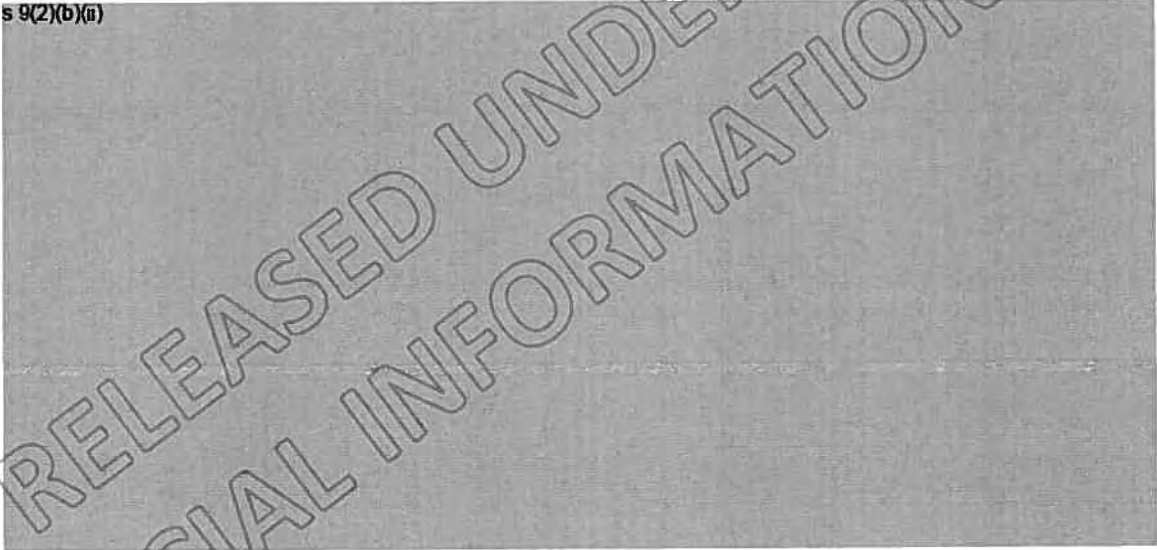
The primary aim of the staged work programme is to build on the work undertaken by other companies, in order to support further investment and commercial mineral development in the permit area while adding knowledge to the Crown's mineral resource in the area.

6.1 Proposed Minimum Work Programme

The permit holder will carry out the following minimum work programme.

Within 36 months of the commencement date of the permit (Stage 1):

s 9(2)(b)(ii)



Within 60 months of the commencement date of the permit:

s 9(2)(b)(ii)



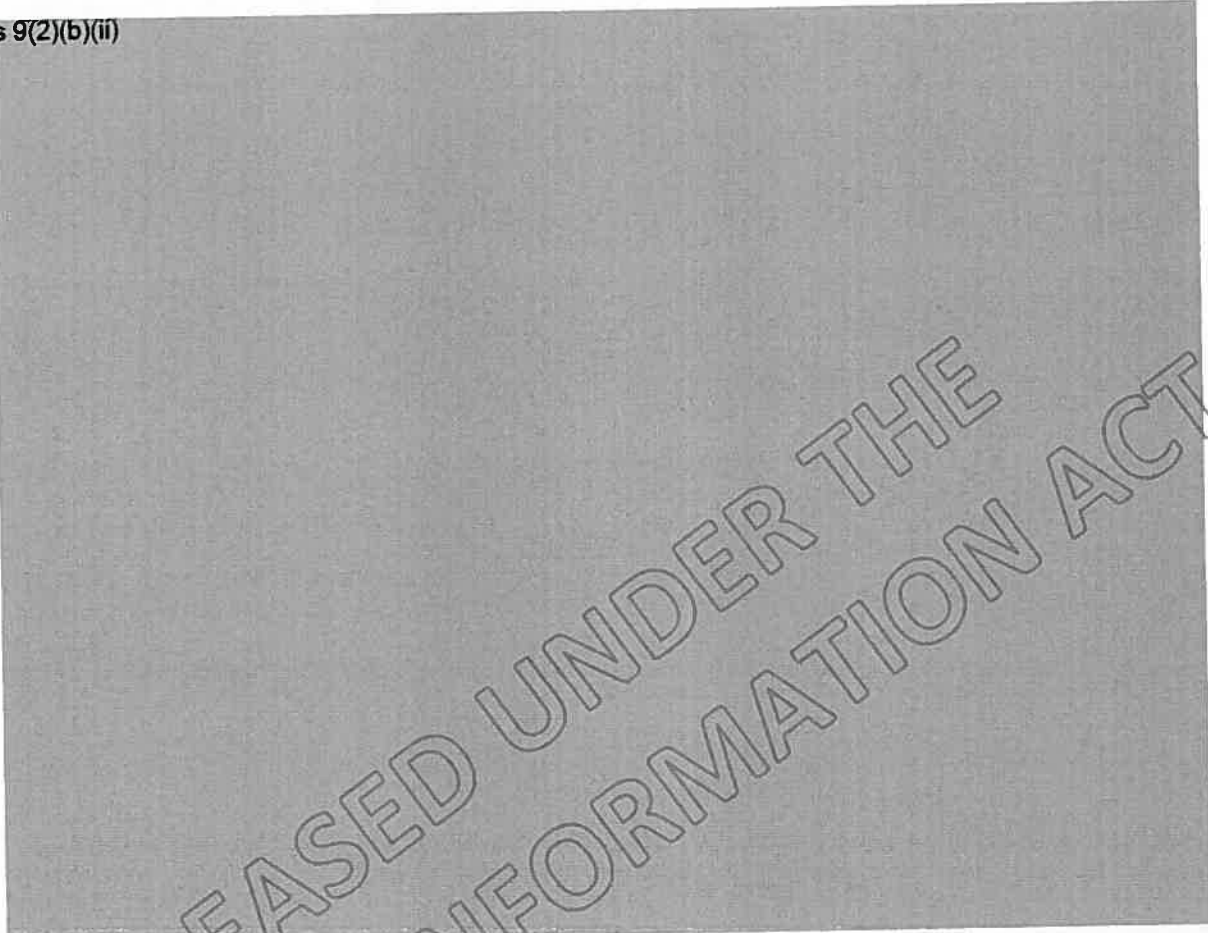
Table 2: Proposed minimum work programme expenditure estimates

Stage	Year	Estimated Minimum Expenditure
Stage I: s 9(2)(b)(ii)	Year 1	s 9(2)(b)(ii)
Stage I: s 9(2)(b)(ii)	Year 2	s 9(2)(b)(ii)
Stage I: s 9(2)(b)(ii)	Year 3	s 9(2)(b)(ii)
Total for first 3 years		s 9(2)(b)(ii)
Stage II: s 9(2)(b)(ii)	Year 4	s 9(2)(b)(ii)
Stage II: s 9(2)(b)(ii)	Year 5	s 9(2)(b)(ii)
Total over 5 years		s 9(2)(b)(ii)

6.2 Objectives and Strategy
s 9(2)(b)(ii)

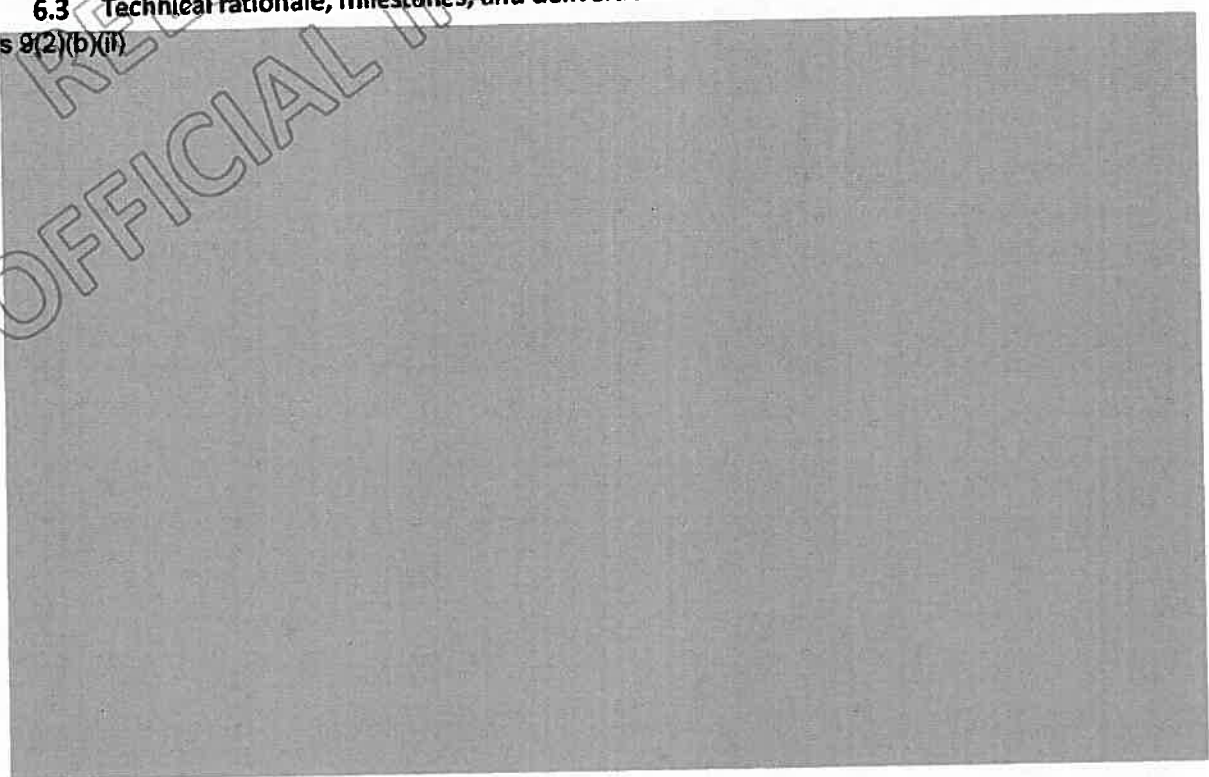
[Redacted content]

s 9(2)(b)(ii)



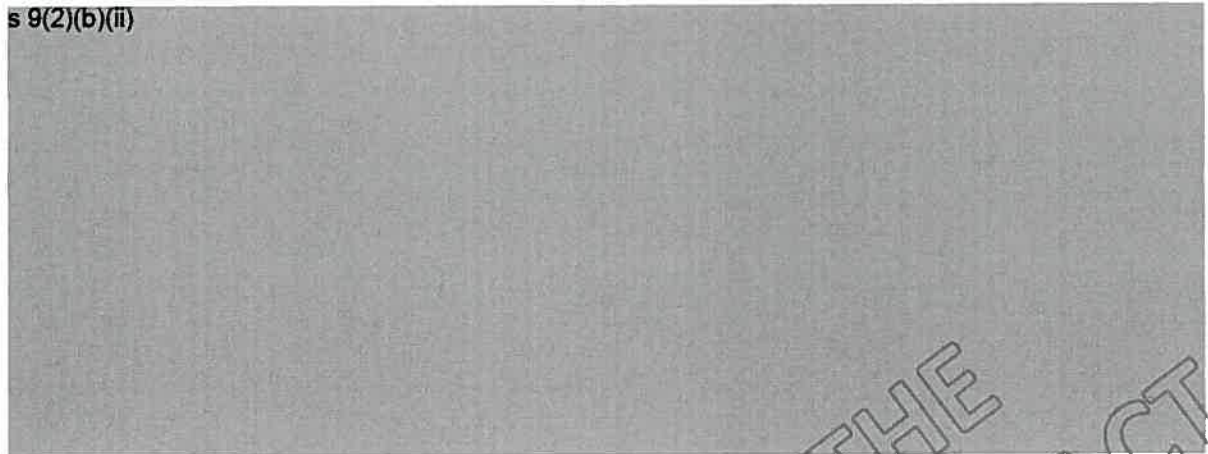
6.3 Technical rationale, milestones, and deliverables

s 9(2)(b)(ii)



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s 9(2)(b)(ii)



6.3.1 Target Areas/Propositions

The exploration targets within Longwood Prospect are:

s 9(2)(b)(ii)

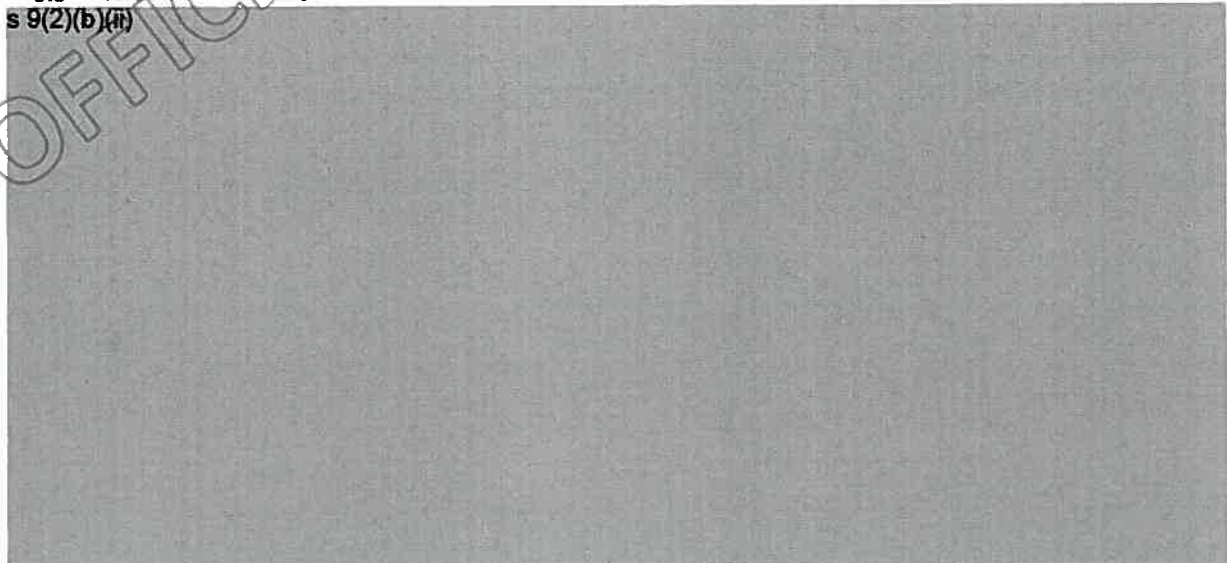


6.4 On-going work commitment options

The Applicant will assess the work and results on an annual basis following completion of the relevant part of the work programme.

6.5 The minimum expenditure for the proposed duration of the permit

s 9(2)(b)(ii)



6.8 Whether the proposed exploration is in accordance with good industry practice

The proposed exploration set out in the work programme above is considered in accordance with good industry practice, because:

- (a) The Applicant will ensure that at all times contractors and their staff have the skills, training and experience required to carry out all prospecting, exploration and (any future) mining operations in a skilful, safe and effective manner;
- (b) The exploration and (future) appraisal activities, have been designed and will be conducted to maximise economic recovery and minimise sterilisation and waste;
- (c) The methods of prospecting and exploration are suitable and will be technically effective and meaningful, given the objectives of the work programme, the geology of the area, and the results of previous prospecting, exploration or mining;
- (d) The Applicant will ensure that it has the systems and processes in place to avoid, mitigate and manage operational risks, including health and safety risks;
- (e) The exploration work programme is designed (and will be conducted) so as to ensure that sufficient, good-quality, and objective data is acquired to test the understanding of target areas within the proposed exploration permit.

7. Iwi Engagement

The land subject to this exploration permit application is within the Takiwa of Ngāi Tahu.

The Applicant will commence consultation with Te Runanga o Ngāi Tahu (and the relevant hapū) before commencement of exploration on the ground and will meet on an annual basis if the iwi requests such a meeting.

8. Other factors considered relevant to support the application

A successful exploration programme (under the EPA if granted) will focus international attention on New Zealand as a destination for investment in exploration for platinum deposits, and will provide opportunity for employment and contribution to New Zealand's economy.

The Applicant considers that the technical strength of its proposed work programme supported by its commercial capability will enable a commercially justifiable decision to be made around development of mineral resources within the Longwood Prospect before the permit expires.

9. Conclusion

The Applicant will fully explore the permit area for platinum group metals, gold and various base metals, including nickel and copper. The committed minimum work programme it proposes to undertake covers high resolution magnetic survey, geological mapping, geochemical sampling, petrological studies and drilling, which will add significantly to the knowledge of the New Zealand's mineral estate in the Southland region.

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10. Appendix A:

Bank Statement
Letter of Support

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12 February 2016

New Zealand Petroleum and Minerals

To Whom It May Concern:

New Zealand Resources Limited ("NZRL") is submitting an application for an Exploration Permit. NZRL is a closely held New Zealand Private Company operating in the Resources and Minerals Sector. ^{s 9(2)(a)} In reference to the Exploration Permit – NZRL will be responsible for the day to day activities associated with the Exploration Permit itself.

^{s 9(2)(a)}

^{s 9(2)(a)} will undertake and attend to the financial contributions and requirements associated with the day to day activities to be undertaken by NZRL in the pursuit of the Exploration Permit. Furthermore, the prospective operational activities of NZRL, in the event that NZRL is awarded an Exploration Permit, will also be funded by ^{s 9(2)(a)}

Additional investment will be forthcoming as will be necessary.

NZRL and ^{s 9(2)(a)} look forward to receiving a positive response from New Zealand Petroleum and Minerals so we may play our part in creating further employment opportunities in the Resources Sector and playing our part in the wider New Zealand economy.

Yours sincerely

^{s 9(2)(a)}

New Zealand Resources Limited, ^{s 9(2)(a)}



s 9(2)(a), s 9(2)(b)(ii)

Current time 15 Feb 2016 13:44 NZT

Business Current Account

s 9(2)(a), s 9(2)(b)(ii)

s 9(2)(a), s 9(2)(b)(ii)

Statement: Online Only

Account details
s 9(2)(a), s 9(2)(b)(ii)

Notes for this page

Transaction details can be sorted into either ascending or descending order. To do this, simply click on a column heading. By clicking on the heading a second time the details are sorted in the opposite order.

Please check your transaction history on a regular basis. For any enquiries, please send us a Bank Mail message or call us on 0800 269 296 (personal customers), or 0800 269 249 (business/rural customers).

Overseas ATM fees may apply and be included. When you use an ATM overseas, the Bank or other financial institution who owns the ATM may charge for using it.

Bill payment
Bank acknowledgement



PAYMENT DETAILS

From account	s 9(2)(a), s 9(2)(b)(ii)
Payee	[REDACTED]
Amount	[REDACTED]
Payment date	15 February 2016
Status	Processed

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OFFICIAL INFORMATION ACT



NEW ZEALAND
PETROLEUM & MINERALS

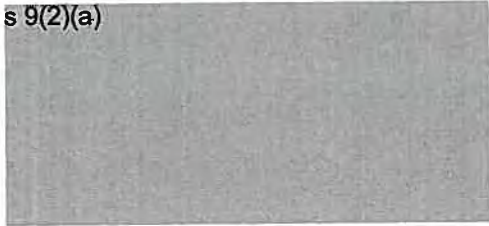
New Zealand Petroleum & Minerals
PO Box 1473, Wellington 6140, New Zealand
FREEPHONE (WITHIN NEW ZEALAND): 0508 263 782
INTERNATIONAL CALLS: +64 3 962 6179
www.nzpam.govt.nz



Ministry
TAX INVOICE

s 9(2)(a)

NEW ZEALAND RESOURCES LIMITED
s 9(2)(a)



Invoice no: 10002428
Invoice date: 16 February 2016
Due date: 16 February 2016
Client no: s 9(2)(a)
Proposed operation name: Longwood Project
Application no: 60156.01

Emailed to: s 9(2)(a)

Description	GST	Exclusive Amount
Application fees Minerals Exploration Permit	\$306.67	\$2,044.44

GST exclusive: \$2,044.44
GST: \$306.67
Total Amount (NZD): \$2,351.11

REMITTANCE ADVICE

New Zealand Petroleum & Minerals
P O Box 1473
Wellington 6140
New Zealand

Client no: s 9(2)(a)
Invoice no: 10002428
Application no: 60156.01
Total amount due (NZD): \$2,351.11
Payment is due: 16 February 2016

Payment by direct credit should be made to bank account: 03-0049-0001311-02 using the Client number in the Particulars field and the Invoice Number in the Reference field.

Payment by cheque should be made out to Ministry of Business, Innovation and Employment and mailed to the address above along with this remittance advice

PAID
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OFFICIAL INFORMATION ACT

16 February 2016

s 9(2)(a)



NEW ZEALAND
PETROLEUM & MINERALS

New Zealand Petroleum & Minerals

FREephone
(WITHIN NEW ZEALAND) 0508 263 782
INTERNATIONAL CALLS: +64 3 962 6179

PO Box 1473
Wellington 6140
New Zealand

www.nzpam.govt.nz

Emailed to: s 9(2)(a)

Dear s 9(2)(a)

We have received your application for minerals permit

Thank you for your application (reference 60156.01) as follows:

Proposed permit type: Minerals Exploration permit

Proposed permit holder: NEW ZEALAND RESOURCES LIMITED

Once we have checked this application we will be in touch if we need further information.

If you have any queries about your application, please email nzpam@mde.govt.nz or call 0508 263 782.
Please quote application number 60156.01

Yours sincerely

Ilana Miller
National Manager Minerals
New Zealand Petroleum & Minerals

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Timothy Vaughan-Sanders

From: s 9(2)(a)
Sent: Tuesday, 8 March 2016 12:59 p.m.
To: s 9(2)(a)
Cc: s 9(2)(a)
Subject: P60156.01 New Zealand Resources Limited [UNCLASSIFIED]

Hi s 9(2)(a)

We request additional information as per comments below;

Technical Capability

s 9(2)(b)(ii)

Financial Capability

s 9(2)(b)(ii)

If we do not receive further information regarding the above by 15 March 2016 we will reject the application

Regards
s 9(2)(a)

PERMIT OFFICER

New Zealand Petroleum & Minerals
Ministry of Business, Innovation & Employment

s 9(2)(a)

www.nzpam.govt.nz



New Zealand Government

Timothy Vaughan-Sanders

From: s 9(2)(a)
Sent: Wednesday, 9 March 2016 12:15 p.m.
To: Ilana Miller
Cc: s 9(2)(a)
Subject: RE: P60156.01 New Zealand Resources Limited [UNCLASSIFIED]

Hi Ilana,
Thanks for sending that through, although I was part of reviewing those guidelines so have a draft copy already. The issue is that this situation doesn't fit neatly within the guidelines, because often capital-raising is signed off when a permit is actually granted. There may be interest before this, but nothing secured in a way that can be presented to NZP&M. This is common practise within the industry.
Our issue is how we communicate this, s 9(2)(a) so that NZP&M understand and are happy with it.

Regards,
s 9(2)(a)

s 9(2)(a)

From: Ilana Miller s 9(2)(a)
Sent: Wednesday, 9 March 2016 11:58 a.m.
To: s 9(2)(a)
Cc: s 9(2)(a)
Subject: RE: P60156.01 New Zealand Resources Limited [UNCLASSIFIED]

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This guideline should be of assistance.
It is just in the final stages of review before we put it on the website so please consider it an almost final draft and don't distribute as the final version should be available shortly.
I think it should answer your questions.

Thanks,
ilana

Ilana Miller
NATIONAL MANAGER MINERALS

Energy & Resource Markets - Building, Resources & Markets Group
Ministry of Business, Innovation & Employment

s 9(2)(a)



From: s 9(2)(a)
Sent: Wednesday, 9 March 2016 11:41 a.m.
To: Ilana Miller
Cc: s 9(2)(a)
Subject: RE: P60156.01 New Zealand Resources Limited [UNCLASSIFIED]

Hi Ilana,
I hope you are well. I just wanted to get your thoughts on some issues that s 9(2)(a) has raised with s 9(2)(a) most recent permit application at Longwood (EP 60156.01), under the company NZ Resources Ltd. Of the two questions she has raised (Technical and Financial), we have the technical one sorted and will be sending her through the updated information shortly.

The financial question is more what I wanted your input on:
s 9(2)(a), s 9(2)(b)(ii)

We aren't sure what specifically we should submit, perhaps you can shed some light on that? Whether the above detail is sufficient, combined with NZP&M's prior dealings and knowledge of s 9(2)(a) or whether a face to face meeting with s 9(2)(a) and yourself would be a better way for s 9(2)(a) to explain his background and the plan for the permit in question? There are other projects s 9(2)(a) has been involved with in a capital raising capacity, which could explain too.

We are happy to hear what you think is an appropriate way forward on this, although we are conscious of the time and aware of the 15 March deadline s 9(2)(a) has implemented.
Thanks for your time.

Regards,
s 9(2)(a)

s 9(2)(a)

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s 9(2)(b)(ii)

Financial Capability

s 9(2)(b)(ii)

If we do not receive further information regarding the above by 15 March 2016 we will reject the application

Regards

s 9(2)(a)

PERMIT OFFICER

New Zealand Petroleum & Minerals
Ministry of Business, Innovation & Employment

s 9(2)(a)

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NEW ZEALAND
PETROLEUM & MINERALS



MINISTRY OF BUSINESS,
INNOVATION & EMPLOYMENT
TE Kaitiaki Take Kōwhiri

New Zealand Government

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Timothy Vaughan-Sanders

From: Ilana Miller
Sent: Thursday, 10 March 2016 6:20 p.m.
To: s 9(2)(a)
Cc:
Subject: FW: P60156.01 New Zealand Resources Limited [UNCLASSIFIED]

Follow Up Flag: Follow up
Flag Status: Completed

s 9(2)(a) can you please file under the application number in the subject line.
s 9(2)(a) – FYI.

From: Ilana Miller
Sent: Thursday, 10 March 2016 6:19 p.m.
To: s 9(2)(a)
Cc:
Subject: RE: P60156.01 New Zealand Resources Limited [UNCLASSIFIED]

Hi s 9(2)(a)

Financial capability is one of the key aspects that we assess as part of the evaluation of an application. s 9(2)(b)(ii)

What is needed s 9(2)(b)(ii) where the applicant is relying on future capital raising, is clearly articulated on page 3 of the financial capability guideline. Based on what has been provided in the application and the information provided in your email trail below s 9(2)(b)(ii)

To cover off the point in your first email, I don't consider that it will be a good use of anyone's time to sit down and discuss this. What we need is to have the evidence to support financial capability as described in the guideline. This needs to be in written form and submitted by the due date of 15 March.

Regards,
Ilana

Ilana Miller
NATIONAL MANAGER MINERALS

Energy & Resource Markets - Building, Resources & Markets Group
Ministry of Business, Innovation & Employment

s 9(2)(a)



**MINISTRY OF BUSINESS,
INNOVATION & EMPLOYMENT**
HĪKINA WHAKATUTUKI

New Zealand Government

From: s 9(2)(a)
Sent: Wednesday, 9 March 2016 12:15 p.m.
To: Ilana Miller
Cc: s 9(2)(a)
Subject: RE: P60156.01 New Zealand Resources Limited [UNCLASSIFIED]

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Our issue is how we communicate this, s 9(2)(a) so that NZP&M understand and are happy with it.

Regards,
s 9(2)(a)

s 9(2)(a)

From: Ilana Miller s 9(2)(a)
Sent: Wednesday, 9 March 2016 11:58 a.m.
To: s 9(2)(a)
Cc:
Subject: RE: P60156.01 New Zealand Resources Limited [UNCLASSIFIED]

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I think it should answer your questions.

Thanks,
ilana

Ilana Miller
NATIONAL MANAGER MINERALS

Energy & Resource Markets - Building, Resources & Markets Group
Ministry of Business, Innovation & Employment

s 9(2)(a)



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s 9(2)(a), s 9(2)(b)(ii)

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Thanks for your time.

Regards,
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Sent: Tuesday, 8 March 2016 12:59 p.m.
To: s 9(2)(a)
Cc: s 9(2)(a)
Subject: P60156.01 New Zealand Resources Limited [UNCLASSIFIED]

Hi s 9(2)(a)

We request additional information as per comments below;

Technical Capability

s 9(2)(b)(ii)

Financial Capability

s 9(2)(b)(ii)

If we do not receive further information regarding the above by 15 March 2016 we will reject the application

Regards

s 9(2)(a)

PERMIT OFFICER

New Zealand Petroleum & Minerals
Ministry of Business, Innovation & Employment

s 9(2)(a)

www.nzpam.govt.nz



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OFFICIAL INFORMATION ACT

Timothy Vaughan-Sanders

From: s 9(2)(a)
Sent: Monday, 14 March 2016 12:57 p.m.
To: Ilana Miller; s 9(2)(a)
Cc: s 9(2)(a)
Subject: RE: P60156.01 New Zealand Resources Limited [UNCLASSIFIED]
Attachments: Letter of support s 9(2)(a)

Hi Ilana and s 9(2)(a)

Under the headings below, see further information that was requested.

Technical Capability

Below are expanded statements of capability for consultancies.

Kenex Ltd

Kenex are a Wellington- and Perth-based company which was set up in 2002 to provide GIS and exploration services and advice for the exploration and mining industries in Australia and New Zealand. Over the last 14 years, they have broadened their international experience through involvement with projects and clients in the Middle East, Africa, Scandinavia, Asia-Pacific and Latin America, and this has included work in the growing marine minerals sector. Kenex are a group of highly motivated research professionals who have more than 75 years of combined experience and knowledge in exploration and mining, in New Zealand and abroad. Kenex also provide exploration and mining project management for clients including permit management, fieldwork services, legislative and compliance issues, and reporting. This includes working with government agencies such as NZR&M and Department of Conservation, and maintaining a level of communication and transparency between agencies and explorers. In recent years Kenex have specialised in 3D geological modelling and use leading computer software to aid the search for minerals beyond the mapped surface. Kenex projects are managed by Campbell McKenzie, who has more than 17 years industry experience in New Zealand and overseas. Campbell is supported by a team of geologists and GIS experts.

RSC Consulting Ltd

RSC personnel include geologists, project managers, data management professionals, technical and administrative support staff. RSC has experience in all stages of the mining cycle, from early stage exploration through to development production and full-scale operation. They have worked in a wide range of locations with a variety of commodities. Operations offices are based in New Zealand and Australia, with support offices in Mongolia, Zimbabwe and Mali. RSC is also affiliated with a worldwide network of well-established industry professionals, enabling them to fulfil client requests for services outside of their traditional core competencies. They strive for technical excellence and aim to exceed client expectations on every engagement.

Financial Capability

Please see the document attached.

Please let me know if you require any further information in these areas to satisfy the progressing of this application.

Regards,
s 9(2)(a)

s 9(2)(a)

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Hi s 9(2)(a)

Financial capability is one of the key aspects that we assess as part of the evaluation of an application. s 9(2)(b)(ii)
to show that the applicant is able to comply with the conditions of the permit and to give effect to the work programme.

s 9(2)(b)(ii) where the applicant is relying on future capital raising, is clearly articulated on page 3 of the financial capability guideline. s 9(2)(b)(ii)

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NATIONAL MANAGER MINERALS

Energy & Resource Markets - Building, Resources & Markets Group
Ministry of Business, Innovation & Employment

s 9(2)(a)



New Zealand Government

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Ministry of Business, Innovation & Employment

s 9(2)(a)



**MINISTRY OF BUSINESS,
INNOVATION & EMPLOYMENT**
HIKINA WHAKATUTUKI

New Zealand Government

From: s 9(2)(a)
Sent: Wednesday, 9 March 2016 11:41 a.m.
To: Ilana Miller
Cc: s 9(2)(a)
Subject: RE: P60156.01 New Zealand Resources Limited [UNCLASSIFIED]

Hi Ilana,

I hope you are well. I just wanted to get your thoughts on some issues that s 9(2)(a) has raised with s 9(2)(a) most recent permit application at Longwood (EP 60156.01), under the company NZ Resources Ltd. Of the two questions she has raised (Technical and Financial), we have the technical one sorted and will be sending her through the updated information shortly.

The financial question is more what I wanted your input on:

s 9(2)(a), s 9(2)(b)(ii)

s 9(2)(b)(ii)

We aren't sure what specifically we should submit, perhaps you can shed some light on that? Whether the above detail is sufficient, combined with NZP&M's prior dealings and knowledge of s 9(2)(a) or whether a face to face meeting with s 9(2)(a) and yourself would be a better way for s 9(2)(a) to explain his background and the plan for the permit in question? There are other projects s 9(2)(a) has been involved with in a capital raising capacity, which could explain too.

We are happy to hear what you think is an appropriate way forward on this, although we are conscious of the time and aware of the 15 March deadline s 9(2)(a) has implemented.
Thanks for your time.

Regards,
s 9(2)(a)

s 9(2)(a)

From: s 9(2)(a)
Sent: Tuesday, 8 March 2016 12:59 p.m.
To: s 9(2)(a)
Cc:
Subject: P60156.01 New Zealand Resources Limited [UNCLASSIFIED]

Hi s 9(2)(a)

We request additional information as per comments below,

Technical Capability

s 9(2)(b)(ii)

Financial Capability

s 9(2)(b)(ii)

If we do not receive further information regarding the above by 15 March 2016 we will reject the application

Regards
s 9(2)(a)

PERMIT OFFICER

New Zealand Petroleum & Minerals
Ministry of Business, Innovation & Employment

s 9(2)(a)

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New Zealand Government

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s 9(2)(a)

From: s 9(2)(a)
Sent: Wednesday, 6 April 2016 2:31 p.m.
To: s 9(2)(a)
Subject: RE: P60156.01 - New Zealand Resources Limited [UNCLASSIFIED]

Hi s 9(2)(a)

I can confirm that the area is correct.

Regards,
s 9(2)(a)

s 9(2)(a)

From: s 9(2)(a)
Sent: Wednesday, 6 April 2016 2:26 p.m.
To: s 9(2)(a)
Cc:
Subject: P60156.01 - New Zealand Resources Limited [UNCLASSIFIED]

Hi

Please see attached letter and map

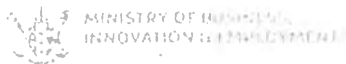
Regards
s 9(2)(a)

PERMIT OFFICER

New Zealand Petroleum & Minerals
Ministry of Business, Innovation & Employment

s 9(2)(a)

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www.govt.nz - your guide to finding and using New Zealand government services

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6 April 2016

s 9(2)(a)

New Zealand Resources Limited

s 9(2)(a)



NEW ZEALAND
PETROLEUM & MINERALS

New Zealand Petroleum & Minerals

FREEPHONE
(WITHIN NEW ZEALAND): 0508 263 782
INTERNATIONAL CALLS: +64 3 962 6179

PO Box 1473
Wellington 6140
New Zealand

www.nzpam.govt.nz

Dear s 9(2)(a)

Please confirm the application area for Application for Minerals Permit number 60156.01

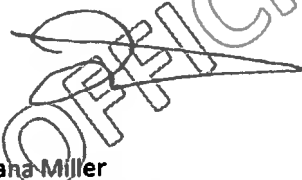
Enclosed is a map for your application as follows and received on 15 February 2016.

Proposed permit type: Minerals Exploration permit
Proposed permit holder: NEW ZEALAND RESOURCES LIMITED

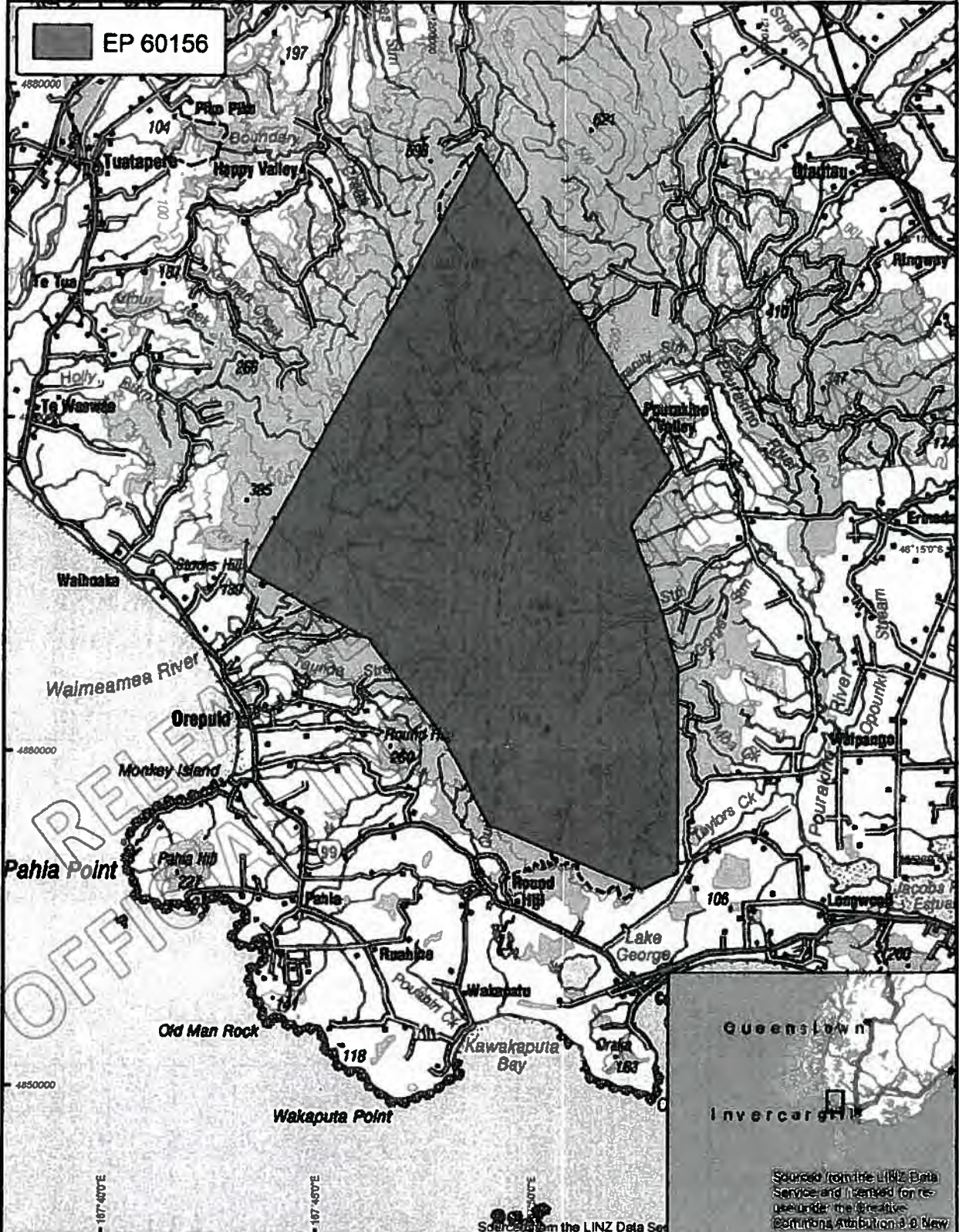
Please verify either that this is the correct area, or that changes are required, by 21 April 2016. If we do not hear from you by this date we will continue to process the application as shown.

If you have any queries about your application, please email nzpam@mbie.govt.nz or call 0508 263 782. Please quote application number 60156.01.

Yours sincerely,


Ilana Miller
National Manager Minerals
New Zealand Petroleum & Minerals

EP 60156

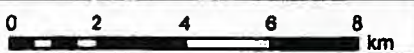


EP 60156

Date: 1/03/2016

Projection: NZTM
Datum: NZGD2000

1:140,000

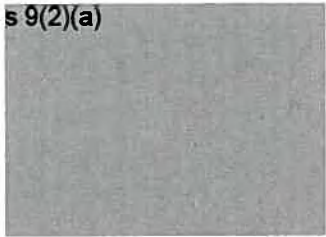


Area = 15,434.482 ha
Southland District

Source: from the LINZ Bath Service and licensed for re-use under the Creative Commons Attribution 3.0 New Zealand License

6 April 2016

§ 9(2)(a)



NEW ZEALAND
PETROLEUM & MINERALS

New Zealand Petroleum & Minerals

FREEPHONE
(WITHIN NEW ZEALAND): 0508 263 782
INTERNATIONAL CALLS: +64 3 962 6179

PO Box 1473
Wellington 6140
New Zealand

www.nzpam.govt.nz

Emailed to: § 9(2)(a)

Dear § 9(2)(a)

Please confirm the application area for Application for Minerals Permit number 60156.01

Enclosed is a map for your application as follows and received on 15 February 2016.

Proposed permit type: Minerals Exploration permit

Proposed permit holder: NEW ZEALAND RESOURCES LIMITED

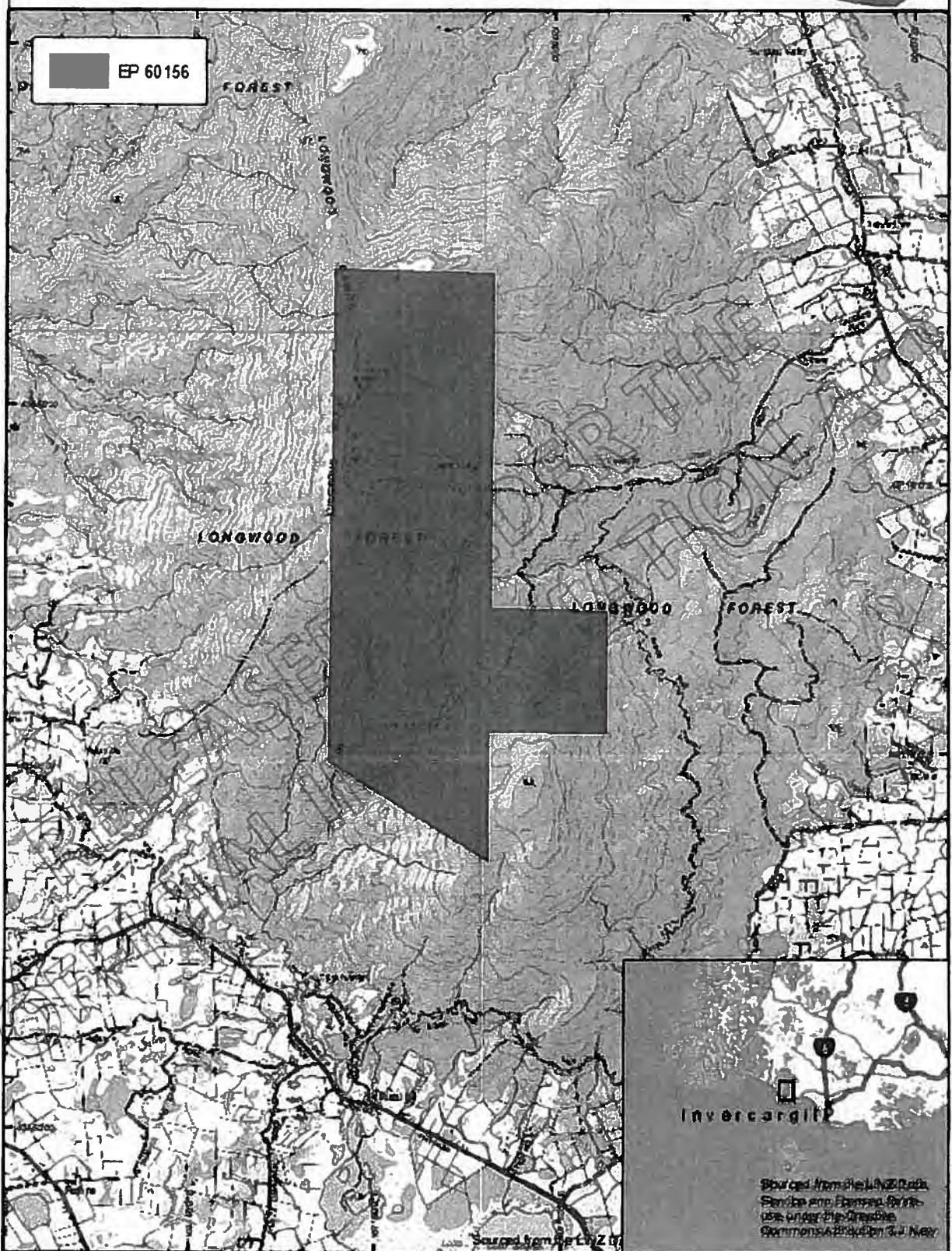
discrepancy between the resulting area plotted via the co-ordinates versus the map provided

Please verify either that this is the correct area, or that changes are required, by 13 July 2016. If we do not hear from you by this date we will continue to process the application as shown.

If you have any queries about your application, please email nzpam@mbie.govt.nz or call 0508 263 782. Please quote application number 60156.01.

Yours sincerely


Ilana Miller
National Manager Minerals
New Zealand Petroleum & Minerals



Date 23/06/2016	Projection NZTM Datum NZGD2000	1:65,100	0 1 2 3 4 km	Area - 1952.966 ha Southland District
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s 9(2)(a)

From: s 9(2)(a)
Sent: Monday, 9 May 2016 10:08 a.m.
To: s 9(2)(a)
Subject: Request for Land and Mineral Status (LMS) report for Exploration Permit Application 60156 Longwood [UNCLASSIFIED]

s 9(2)(a)

In regards to Exploration Permit Application 60156 Longwood for New Zealand Resources Limited.

The application documents received state "the applicant seeks a Tier 2 exploration permit in respect of the EPA. Unless the Minister deems the EPA a Tier 1 application, a report stating the ownership of the minerals (a Land Mineral Status Report) is not immediately required by the Crown Minerals (Minerals other than Petroleum) Regulations 2007."

The above statement is correct however to enable the application to be evaluated further a LMS is required to be submitted so that the ownership of the minerals within the application area can be determined. Petroleum, gold, silver and uranium are vested in the crown, however as the applicant wishes to apply for an exploration permit for "Platinum Group Metals (PGM), gold and all metallic minerals as defined in the Crown Minerals Act", a LMS is required to show ownership of these other minerals prior to granting of the exploration permit.

For further information on Land and Mineral Status (LMS) reports I have attached a link to our guideline on this matter.

<http://www.nzpam.govt.nz/cms/permit-holders/minerals-guidelines/mineral-ownership.pdf>

If you require any further information on this matter please don't hesitate to contact me.

Thanks

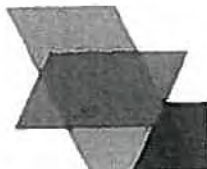
s 9(2)(a)

MINERALS ADVISOR

Energy & Resource Markets | Building, Resources & Markets
Ministry of Business, Innovation & Employment

s 9(2)(a)

15 Stout St, PO Box 1473, Wellington 6140



From: contactNZPAM
Sent: Wednesday, 11 May 2016 5:02 p.m.
Subject: Consultation on Otago and Southland minerals permit applications [IN-CONFIDENCE:RELEASE EXTERNAL]



CONSULTATION ON 3 MINERALS APPLICATIONS IN YOUR REGION

Tēnā koe

Your iwi and/or hapū are invited to provide a response on any of the 3 applications outlined below. The applications include exploration and mining permits; details of what each permit type allows can be found in the application section on this notification. We have provided a map setting out the location of all the applications and a brief description of each.

For more detailed information please use our permit webmaps system or click the permit number for the application you are interested in. Information on using permit webmaps and guidance on providing a response can be found below. We would also encourage you to contact us if you require further information.

Please ensure you clearly identify which application your response relates to by referencing the relevant permit number.

All responses are due by **9 June 2016**.

If you are unable to provide us with a response by the due date, you can request an extension. Please provide a reason and how much extra time is needed. We can extend the consultation period by up to 20 working days.

We encourage permit holders to engage with relevant iwi and hapū whose rohe is in the permit area. If the permit is granted the permit holder will be required to report annually to the Crown on their engagement with iwi and hapū. Please confirm in writing if you do not consent to us providing the permit holder with your contact details.

Please feel free to contact me with any questions.

Nāku noa, nā

Ilana Miller
National Manager Minerals
Direct line: (0508) 263 782

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EXPLORATION PERMIT APPLICATIONS

The activities allowed under exploration permits include low-impact activities such as literature searches, aerial surveys, geological mapping and sampling (by hand or low-impact mechanical methods) as well as exploration drilling and larger (bulk) samples.

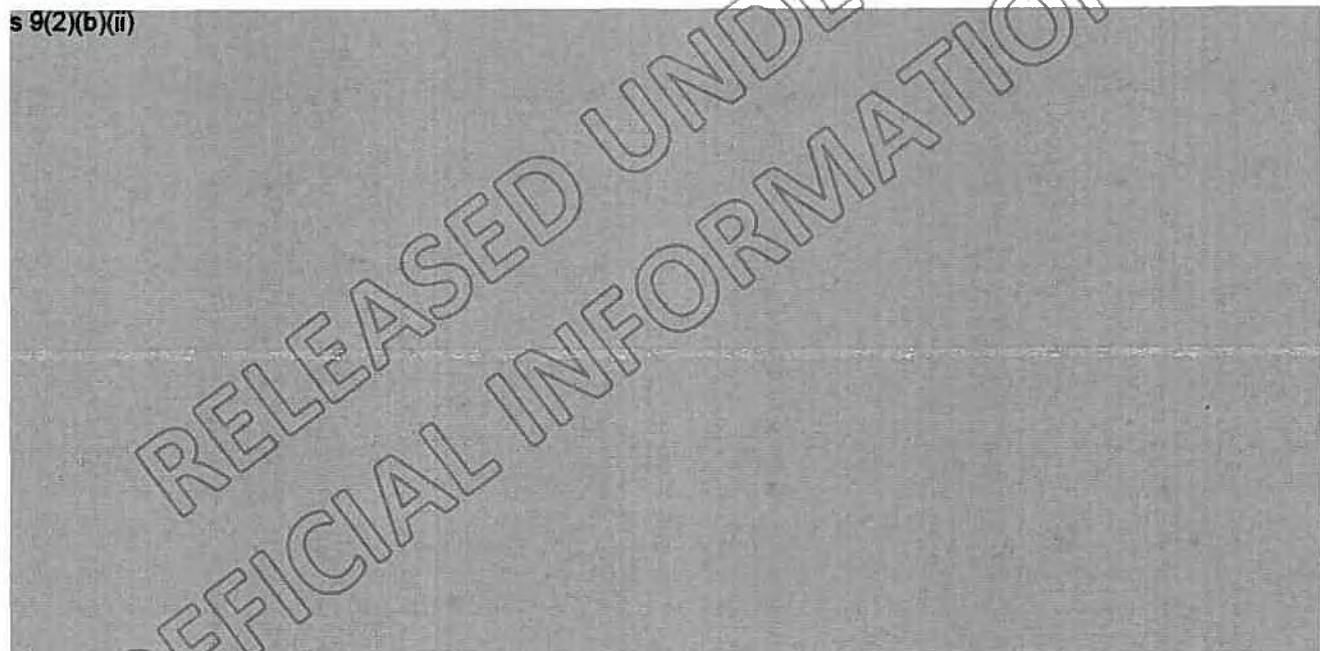
A permit, if granted, would not allow the operators to mine or produce any minerals. To do so they would need to apply for a mining permit once all exploration has been completed. If that happens we will consult with you again.

The following is an application for a new exploration permit:

60156.01 – Operator: New Zealand Resources Limited

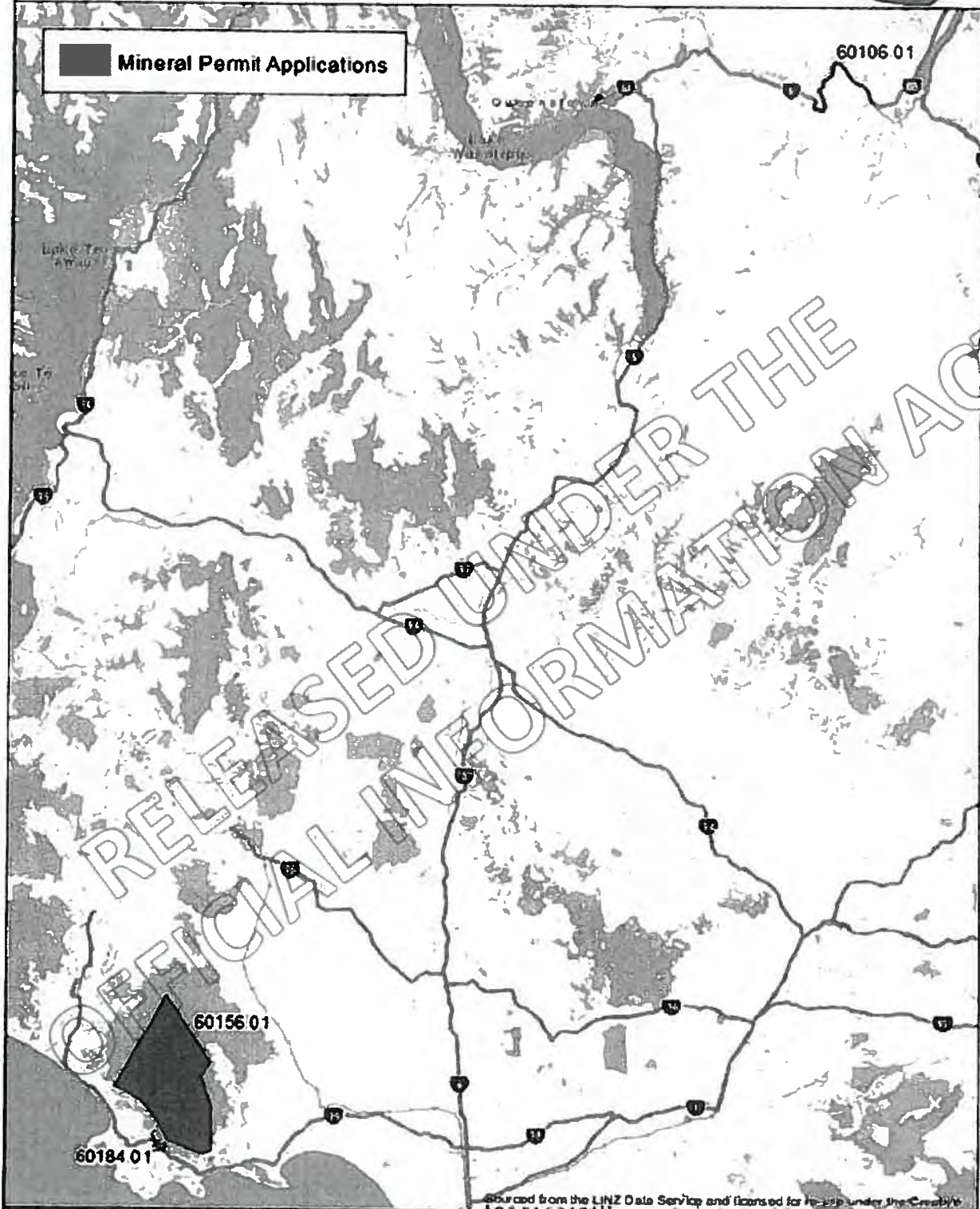
New Zealand Resources Limited has applied for a permit that grants the right to explore for aluminium, antimony, bismuth, copper, gold, ilmenite, iron, ironsand, lead, magnesium, magnetite, manganese, molybdenum, nickel, platinum group metals, rare earth elements, silver, tantalum, tin, titanium, tungsten, vanadium and zinc. The applicant has proposed a 5 year work programme for the permit that consists of exploring for metallic minerals by carrying out desktop studies, field mapping and hand sampling and a geophysical survey to identify drill targets. Drilling will then be carried out.

s 9(2)(b)(ii)



Iwi Consultation - Otago/Southland Permit Applications

Mineral Permit Applications



Guidance and helpful Information

USING PERMIT WEBMAPS

To use the permit webmap system go to:

<http://data.nzpam.govt.nz/permitwebmaps?commodity=minerals>

At the top of the map you can enter text into the search box. Enter the permit number (see the above application descriptions) and select the permit from the drop down list.

As well as showing the geographic area you can find more information on the application by clicking on the application number found in the *Results* tab on the right hand side.

PROVIDING A RESPONSE

You are welcome to raise any issues or questions relating to these permit applications and comment on the proposals. However, our legislation limits what we can take into account. We are particularly interested to identify sites that might need to be protected for their cultural significance.

You can:

- ask for certain areas in the proposed permit area (or whole permit area) not be included in the permit; or
- request that the permit includes conditions for activities in certain areas within the proposed permit area to recognise the particular characteristics of those areas.

If you would like to request that an area be removed from the permit or for the permit to include conditions on activities, please include the reason(s) for your request(s). Please describe each area in detail and show the areas you refer to clearly on a map.

The Minerals Programme details the information you should include:

- what it is about the area that makes it important to the mana of iwi or hapū
- if the area is a known wāhi tapu site
- what makes the area unique
- how the importance of the area to iwi and hapū has been recognised in the past (for example by Treaty claims and settlements)
- if there are any relevant Treaty claims potentially affected by the proposed permit
- if a permit in the area would affect any customary rights or interests that have been granted under the Marine and Coastal Area (Takutai Moana) Act 2011
- if any iwi management plans exclude any of the proposed activities.

We will consider your response alongside such things as whether the area is already adequately protected under other legislation, the potential value of the resource in areas that might be excluded, or the viability of work under any proposed additional requirements. We will inform you in writing of our decision and if we decline your request we will provide reasons.

Please ensure you clearly identify which application your response relates to.

Note that all responses are subject to the Official Information Act. Please identify if information (such as the location of wāhi tapu) is sensitive or confidential.

NZP&M DO NOT TAKE INTO ACCOUNT

Environmental effects

Please also note that the environmental effects of activities are addressed as part of the Resource Management Act 1991 consent processes.

Access to land

The permit itself does not grant the permit holder an automatic right of access to the land. The Crown

Minerals Act 1991 requires the person or company desiring access onto the land to negotiate directly with the landowners and/or occupiers.

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s 9(2)(a)

From: s 9(2)(a)
Sent: Friday, 13 May 2016 3:23 p.m.
To: s 9(2)(a)
Cc:
Subject: Re: Request for Land and Mineral Status (LMS) report for Exploration Permit Application 60156 Longwood [UNCLASSIFIED]
Attachments: EP60156_LMS.pdf

Hi s 9(2)(a)

Please find attached the LMS report for Exploration Permit application 60156 (NZ Resources Ltd).

Regards,
s 9(2)(a)

s 9(2)(a)

From: s 9(2)(a)
Sent: 11 May 2016 14:24:42
To: s 9(2)(a)
Subject: FW: Request for Land and Mineral Status (LMS) report for Exploration Permit Application 60156 Longwood [UNCLASSIFIED]

s 9(2)(a)

From: s 9(2)(a)
Sent: Monday, 9 May 2016 10:08 a.m.
To: s 9(2)(a)
Subject: Request for Land and Mineral Status (LMS) report for Exploration Permit Application 60156 Longwood [UNCLASSIFIED]

s 9(2)(a)

In regards to Exploration Permit Application 60156 Longwood for New Zealand Resources Limited.

The application documents received state "the applicant seeks a Tier 2 exploration permit in respect of the EPA. Unless the Minister deems the EPA a Tier 1 application, a report stating the ownership of the minerals (a Land Mineral Status Report) is not immediately required by the Crown Minerals (Minerals other than Petroleum) Regulations 2007."

The above statement is correct however to enable the application to be evaluated further a LMS is required to be submitted so that the ownership of the minerals within the application area can be determined. Petroleum, gold, silver and uranium are vested in the crown, however as the applicant wishes to apply for an exploration permit for "Platinum Group Metals (PGM), gold and all metallic minerals as defined in the Crown Minerals Act", a LMS is required to show ownership of these other minerals prior to granting of the exploration permit.

For further information on Land and Mineral Status (LMS) reports I have attached a link to our guideline on this matter.

<http://www.nzpam.govt.nz/cms/permit-holders/minerals-guidelines/mineral-ownership.pdf>

If you require any further information on this matter please don't hesitate to contact me.

Thanks

s 9(2)(a)

MINERALS ADVISOR

Energy & Resource Markets | Building, Resources & Markets
Ministry of Business, Innovation & Employment

s 9(2)(a)

15 Stout St, PO Box 1473, Wellington 6140



**MINISTRY OF BUSINESS,
INNOVATION & EMPLOYMENT**
HIKINA WHAKATUTUKI



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s 9(2)(a)

From: s 9(2)(a)
Sent: Friday, 10 June 2016 3:24 p.m.
To: s 9(2)(a)
Subject: Proposed wording of 60156.01 Longwood work programme [IN-CONFIDENCE:RELEASE EXTERNAL]

s 9(2)(a)

Could you please review the following wording for the work programme for application 60156.01 Longwood. If you would like any changes please let me know.

- 1 Within 36 months of the commencement date of the permit, the permit holder shall (to the satisfaction of the chief executive):
 - a. Complete a literature review of all previous work in the permit area
 - b. Complete a programme of geological mapping and geochemical sampling
 - c. Complete a magnetic survey at 50m line spacing
 - d. Generate exploration targets for drilling
- 2 Within 5 years of the commencement date of the permit, the permit holder shall (to the satisfaction of the chief executive):
 - a. Complete a diamond drilling programme and petrological studies of exploration targets comprising at a minimum of 1000m of drilling.
 - b. Evaluate the exploration results, prepare a technical report detailing all work completed and identifying any potential exploration targets for further investigation.

Thanks

s 9(2)(a)

MINERALS ADVISOR

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Ministry of Business, Innovation & Employment

s 9(2)(a)

15 Stout St, PO Box 1473, Wellington 6140



NEW ZEALAND
PETROLEUM & MINERALS



MINISTRY OF BUSINESS,
INNOVATION & EMPLOYMENT

02-2205-5000

s 9(2)(a)

From: s 9(2)(a)
Sent: Wednesday, 15 June 2016 2:48 p.m.
To: s 9(2)(a)
Cc:
Subject: RE: Proposed wording of 60156.01 Longwood work programme [IN-CONFIDENCE:RELEASE EXTERNAL]
Attachments: Cover Letter 097.pdf; Resize permit area.pdf

Hi s 9(2)(a)

Please see attached NZ Resources revised proposed work programme, and also a revision (with explanation) of the permit outline.

I'm happy to discuss further should you have any questions.

Regards,
s 9(2)(a)

s 9(2)(a)

From: s 9(2)(a)
Sent: Friday, 10 June 2016 3:24 p.m.
To: s 9(2)(a)
Subject: Proposed wording of 60156.01 Longwood work programme [IN-CONFIDENCE:RELEASE EXTERNAL]

s 9(2)(a)

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- 1 Within 36 months of the commencement date of the permit, the permit holder shall (to the satisfaction of the chief executive):
 - a. Complete a literature review of all previous work in the permit area
 - b. Complete a programme of geological mapping and geochemical sampling
 - c. Complete a magnetic survey at 50m line spacing
 - d. Generate exploration targets for drilling.
- 2 Within 5 years of the commencement date of the permit, the permit holder shall (to the satisfaction of the chief executive):
 - a. Complete a diamond drilling programme and petrological studies of exploration targets comprising at a minimum of 1,000m of drilling.
 - b. Evaluate the exploration results, prepare a technical report detailing all work completed and identifying any potential exploration targets for further investigation.

Thanks

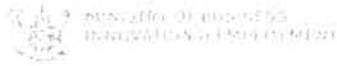
s 9(2)(a)

MINERALS ADVISOR

New Zealand Petroleum & Minerals | Energy & Resource Markets

s 9(2)(a)

15 Stout St, PO Box 1473, Wellington 6140



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s 9(2)(a)

From:

s 9(2)(a)

Sent:

Wednesday, 22 June 2016 2:34 p.m.

To:

s 9(2)(a)

Subject:

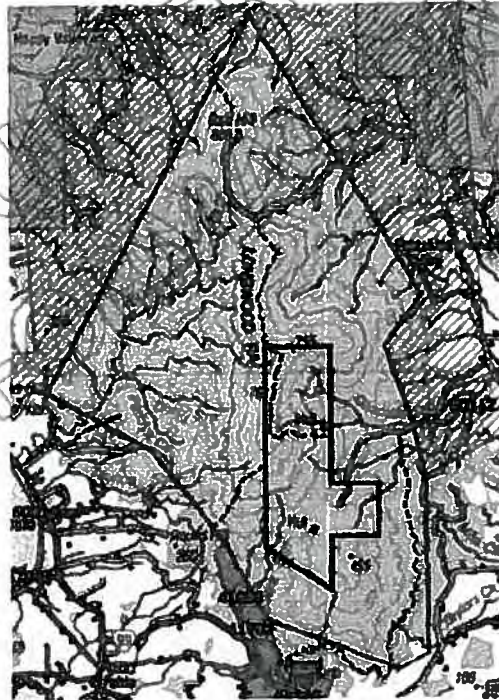
Longwood 60156.01 replot of reduced application area [IN-CONFIDENCE:RELEASE EXTERNAL]

s 9(2)(a)

In regards to the re-plot of the new reduced area. The reason I have not received the revised plot is because there is a discrepancy between the resulting area plotted via the co-ordinates versus the map provided in the same email as shown in the image below. Can you please confirm with which shape the applicant would like.



Area plotted from co-ordinates



Area plotted from map

Thanks

s 9(2)(a)

MINERALS ADVISOR

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Ministry of Business, Innovation & Employment

s 9(2)(a)

15 Stout St, PO Box 1473, Wellington 6140

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s 9(2)(a)

From: s 9(2)(a)
Sent: Tuesday, 28 June 2016 11:32 a.m.
To: s 9(2)(a)
Subject: RE: P60156.01 - New Zealand Resources Limited [UNCLASSIFIED]

Hi s 9(2)(a)

I can confirm that the outline you have supplied is correct.
Thanks for sending that through.

Regards,

s 9(2)(a)

s 9(2)(a)

From: s 9(2)(a)
Sent: Tuesday, 28 June 2016 11:12 a.m.
To: s 9(2)(a)
Subject: P60156.01 - New Zealand Resources Limited [UNCLASSIFIED]

Hi s 9(2)(a)

Please see attached

Regards

s 9(2)(a)

PERMIT OFFICER

New Zealand Petroleum & Minerals
Ministry of Business, Innovation & Employment

s 9(2)(a)

www.nzpam.govt.nz



s 9(2)(a)

From: s 9(2)(a)
Sent: Monday, 11 July 2016 1:10 p.m.
To: s 9(2)(a)
Subject: 60156.01 work programme wording [IN-CONFIDENCE:RELEASE EXTERNAL]

s 9(2)(a)

The application is just about to go for a final decision based on the reduced area.

Can I please confirm you and the applicant are happy with the minimum work programme wording as given below.

- 1 Within 36 months of the commencement date of the permit, the permit holder shall (to the satisfaction of the chief executive):
 - a. complete a literature review of all previous work in the permit area;
 - b. complete a programme of geological mapping and geochemical sampling;
 - c. complete a magnetic survey at 50m line spacing;
 - d. generate exploration targets for drilling; and
 - e. prepare a technical report detailing all work completed during this stage of the work programme to be submitted to the chief executive in accordance with the regulations.
- 2 Within 60 months of the commencement date of the permit, the permit holder shall (to the satisfaction of the chief executive):
 - a. complete a diamond drilling programme and petrological studies of exploration targets comprising at a minimum of 500m of drilling.
 - b. complete petrological studies of core material from the programme of drilling
 - c. evaluate the exploration results and identifying any potential exploration targets for further investigation; and
 - d. prepare a technical report detailing all work completed during this stage of the work programme to be submitted to the chief executive in accordance with the regulations.

Also I had identified an error in our system that the iwi engagement report submitted with the 2016 ASR was not recorded as received. I have adjusted our records which now show that it was received on the same day as the ASR was received. Hopefully I caught this before automated chase letters were sent, if not I apologise if you receive a letter about this.

Thanks

s 9(2)(a)

MINERALS ADVISOR

New Zealand Petroleum & Minerals | Energy & Resource Markets
Ministry of Business, Innovation & Employment

s 9(2)(a)

15 Stout St, PO Box 1473, Wellington 6140



NEW ZEALAND
PETROLEUM & MINERALS



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New Zealand Government

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s 9(2)(a)

From: s 9(2)(a)
Sent: Wednesday, 13 July 2016 5:33 p.m.
To: s 9(2)(a)
Cc:
Subject: Check overlap activities [UNCLASSIFIED]

Hey s 9(2)(a)

Just to confirm, neither 60058.01 or 60156.01 pulled up any new sensitive areas.
You're good to go ☺

Sorry about the delay!

Cheers,
s 9(2)(a)

s 9(2)(a)

GEOSPATIAL ANALYST – SPATIAL DATA SERVICES

Energy & Resource Markets – Building, Resources & Markets Group
Ministry of Business, Innovation & Employment

s 9(2)(a)

www.nzpam.govt.nz

A **System incident** is when the system is preventing you from completing a task as documented OR a record or report in the system is in state that cannot be allowed to remain as is AND it needs to be addressed quickly AND no-one in your team can fix it for you

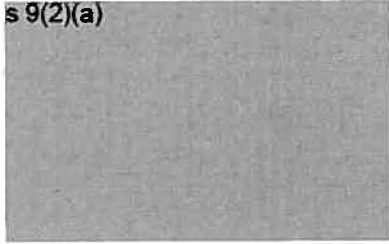
A **Service request** is when you or someone else needs * Training * Maps and/or data * ERM IT system services (e.g. set up new user)

An **Improvement idea** is when you have an idea that would make things: * Better * Faster * Easier * Less frustrating * More transparent or consistent * Less risky ... for our clients or ourselves

[Geoscience Data](#) | [GIS Web Services](#) | [Minerals Map](#) | [Petroleum Map](#)

15 July 2016

s 9(2)(a)



Emailed to: s 9(2)(a)

Dear s 9(2)(a)

New Zealand Petroleum & Minerals

FREEPHONE
(WITHIN NEW ZEALAND): 0508 263 782
INTERNATIONAL CALLS: +64 3 962 6179

PO Box 1473
Wellington 6140
New Zealand

www.nzpam.govt.nz

Application for Minerals Permit number 60156.01 has been granted

Your application under Section 25 of the Crown Minerals Act 1991 and received on 15 February 2016 has been granted. Full details are on the permit certificate included with this letter.

This permit is a Tier 2 permit. Permit tiers are defined in the Crown Minerals Act 1991 and the Minerals Programme for Minerals (Excluding Petroleum) 2013. A copy of the Minerals Programme for Minerals (Excluding Petroleum) 2013 is available on the New Zealand Petroleum & Minerals website, www.nzpam.govt.nz.

Before beginning operations please ensure you obtain all necessary consents and arrangements for access with landowners. This permit does not exempt you from the requirements of other relevant legislation.

Engagement with iwi and hapū

New Zealand Petroleum & Minerals encourages permit holders to engage with iwi and hapū as early as possible and may support the facilitation of initial introductions.

All Tier 1 permit holders, and Tier 2 permit holders specified in the regulations, are required to report annually on their engagement with iwi and hapū for the previous calendar year as part of their annual summary report.

Fees and royalties

Shortly we will send you an invoice for annual fees for your permit for the period 14 July 2016 to 30 June 2017. These must be paid within 30 days of the invoice date. In following years annual fees will be invoiced for the period 1 July to 30 June.

The conditions of this permit also require you to pay royalties and file royalty return forms (see Schedule 1 of the permit conditions under subheading 'Fees and Royalties').

Your permit may be revoked if you fail to pay annual fees and/or royalties or otherwise fail to meet the conditions of the permit. Please contact us early if you foresee any difficulty in complying with these conditions.

Contacts

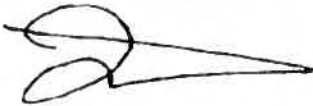
Our records show the following as our best points of contact with you for this permit. Please let us know if this is not the case.

s 9(2)(a)

Permit administrator	Primary contact for all matters to do with the permit
Fee administrator	Contact to whom annual fee invoices are sent
Geotechnical contact	Contact for geotechnical matters

If you have any queries about your application, please email nzpm@mbie.govt.nz or call 0508 263 782. Please quote application number 60156.01.

Yours sincerely

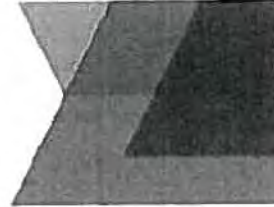


Ilana Miller
National Manager Minerals
New Zealand Petroleum & Minerals

RELEASED UNDER THE
OFFICIAL INFORMATION ACT

s 9(2)(a)

From: contactNZPAM
Sent: Tuesday, 19 July 2016 3:40 p.m.
Subject: Exploration Permit 60156.01 [IN-CONFIDENCE:RELEASE EXTERNAL]



Application for Minerals Permit number 60156.01 has been granted

Tēnā koe

The application to explore for metals by New Zealand Resources Limited under permit number 60156.01 has been granted by New Zealand Petroleum and Minerals on 15 July 2016.

This permit is a Tier 2 permit. Permit tiers are defined in the Crown Minerals Act 1991 and the Minerals Programme for Minerals (Excluding Petroleum) 2013.

Before beginning operations, the permit holder will need to obtain all necessary consents and arrangements for access with landowners. New Zealand Petroleum & Minerals encourages permit holders to engage with iwi and hapū as early as possible and may support the facilitation of initial introductions.

The primary contact person for this permit is:

s 9(2)(a)

New Zealand Resources Limited

s 9(2)(a)

Please feel free to contact me with any questions.

Nāku noa, nā

Ilana Miller
National Manager, Minerals
Phone: (0508) 263 782
Email: contactNZPAM@mbie.govt.nz

11 March 2016

New Zealand Petroleum and Minerals

Ministry of Business Innovation and Employment

15 Stout Street

Wellington 6011

Attention: Alana Miller

Dear Alana

Re: Longwood Platinum Exploration Permit – New Zealand Resources Limited – financial capability to perform work programme

I refer to the above noted matter – and the conversations that you have had with s 9(2)(a) in regards to, amongst other things, financial capability to undertake a Work Programme for the proposed exploration permit for the Longwood Platinum Project.

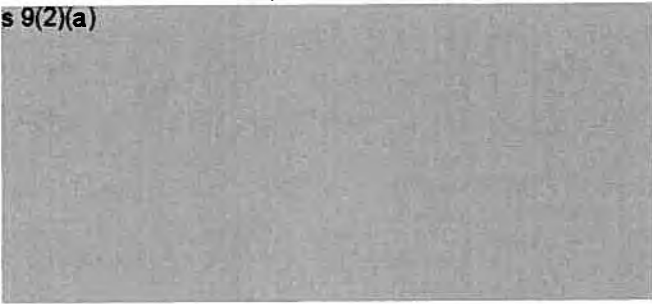
I note the following:

1. s 9(2)(a) has agreed to provide and support New Zealand Resources Limited by providing the financial capability, amongst other matters, to perform the relevant work programme tasks;
2. s 9(2)(a)
3. I confirm that s 9(2)(a) has the appropriate fiscal resources to assist New Zealand Resources Limited with any activities put forward as part of any proposed Work Programme for the project.
4. To that end, I provide New Zealand Petroleum and Resources the following:
 - a. A copy of s 9(2)(a) full year financial statements for 2014/2015 year; and
 - b. A copy of up to date bank records for s 9(2)(a) Please note the current bank balance that confirms the requisite means necessary to perform the tasks of any proposed Work Programme.

As can be demonstrated by the above, New Zealand Resources Limited has the necessary means, resources and financial capability to undertake this project.

Yours sincerely

s 9(2)(a)



s 9(2)(a), s 9(2)(b)(ii)

**Schedule of Fixed Assets & Depreciation
for the Year Ended 31 March 2015**

Asset	Asset Code	Purchase Date	Cost Price	Book Value 01/04/2014	Additions Disposals	Gain/Loss on Disposal	Capital Profit	Depreciation Mth Rate	Accum Deprec 31/03/2015	Book Value 31/03/2015
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s 9(2)(a), s 9(2)(b)(ii)

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OFFICIAL INFORMATION ACT

Note: This Statement is to read in conjunction with the accompanying Notes and the Disclaimer.

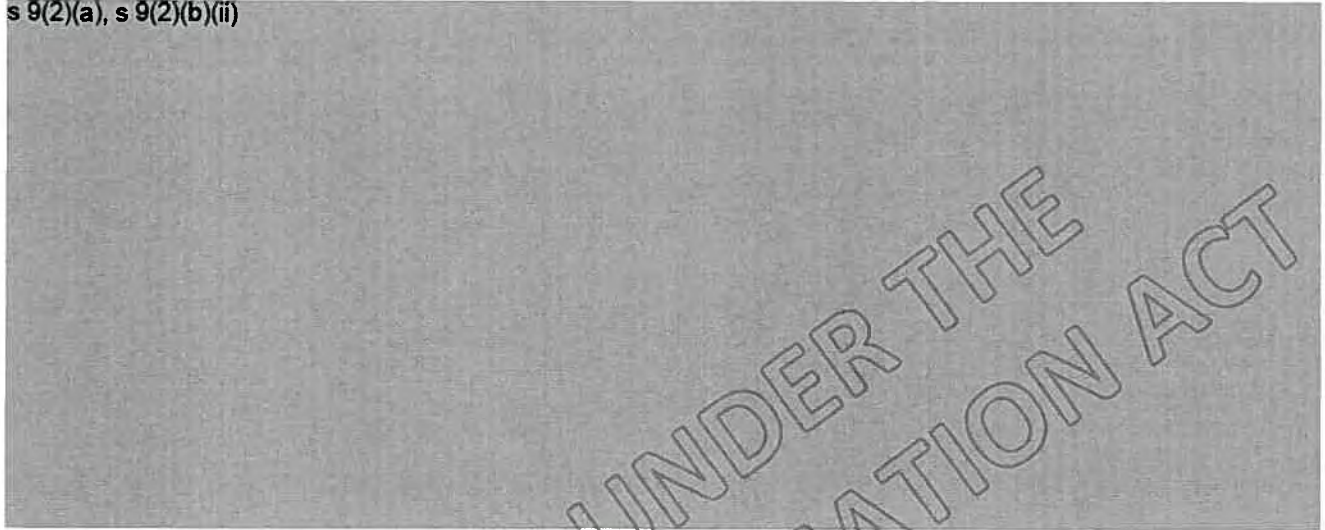


s 9(2)(a), s 9(2)(b)(ii)

Current time 14 Mar 2016 10:10 NZT

Home - Accounts Overview

s 9(2)(a), s 9(2)(b)(ii)



Notes for this page

1. The Account Balance includes any funds that are uncleared.
The Available Funds represent the amount of funds you are currently able to withdraw. It includes overdraft or credit facilities, and may include uncleared funds (e.g. electronic deposits).

15 March 2016



NEW ZEALAND
PETROLEUM & MINERALS

New Zealand Petroleum & Minerals

FREEPHONE
(WITHIN NEW ZEALAND): 0508 263 782
INTERNATIONAL CALLS: +64 3 962 6179

PO Box 1473
Wellington 6140
New Zealand
www.nzpam.govt.nz

s 9(2)(a)

New Zealand Resources Limited

s 9(2)(a)

Emailed to: s 9(2)(a)

Dear s 9(2)(a)

Application for Minerals Permit number 60156.01 is being processed

Your application as follows was received on 15 February 2016. We have performed an initial check for completeness and it is now being processed.

Proposed permit type: Minerals Exploration permit
Proposed permit holder: NEW ZEALAND RESOURCES LIMITED

If you have any queries about your application, please email nzpam@mbie.govt.nz or call 0508 263 782. Please quote application number 60156.01.

Yours sincerely

Ilana Miller
National Manager Minerals
New Zealand Petroleum & Minerals

Recommendation

Date: 13 July 2016
To: Ilana Miller, National Manager Minerals
From: s 9(2)(a)
Application: Minerals Exploration Permit 60156, Acceptable Work Programme Offer Application

APPLICATION SUMMARY

Permit number	Minerals Exploration Permit 60156
Date received	15 February 2016
Permit holder / Operator	New Zealand Resources Limited (100%) (Operator)
Minerals	all metallic minerals (excluding uranium)
Duration	5 years
Permit location	Southland
Permit area	1952.965 ha
Sensitive Areas	The permit area does not overlie any Schedule 4 land, World Heritage sites or any Schedule 3 land.
Tier Status	Tier 2
Royalty basis	2013
Recommendation	Grant

EXECUTIVE SUMMARY

1. New Zealand Resources Limited has applied for an exploration permit of 1952.965 hectares for all metallic minerals over the Longwood Range in Southland. The applicant originally applied for a much larger area of 15,413.063 hectares and just prior to officials recommending to grant the application the applicant requested to reduce the area that the application covered. New Zealand Resources Limited proposes to conduct further geochemical sampling and a detailed magnetic survey to that historically carried out to define drill targets to be drilled as part of drilling programme of a minimum 500m in the attempt to define an inferred resource. Based on the proposed work programme it is recommended to grant this application.

ASSESSMENT OF APPLICATION

Background (sections 23A, 29A and Parts 2, 3, 4, 5, 8, 9 & 10)

2. This is an application for a permit made under sections 23A and 29A of the Crown Minerals Act 1991 (the Act). The Minister may grant permits to such persons and on such conditions as he thinks fit. The following assessment considers the matters set out in the Act and Minerals Programme for Minerals (Excluding Petroleum) 2013 (the Minerals Programme) that the Minister should consider in evaluating an acceptable work programme offer application for a minerals exploration permit (in particular, Parts

- 2, 3, 4, 5 and 9 of the Minerals Programme). The Minister is not limited to these matters in determining the application.
3. New Zealand Resources Limited (the "applicant") is applying for an exploration permit seeking a duration of 5 years over an area of 1952.965ha at Longwood in Southland.
 4. The applicant proposes to explore the area for all metallic minerals (excluding uranium) with the work programme focused on Platinum group Metals (PGMs) and gold.
 5. New Zealand Resources Limited is a New Zealand registered company s 9(2)(a) [REDACTED]
 6. s 9(2)(a) [REDACTED]
 7. The applicant states that s 9(2)(a) [REDACTED] will undertake and attend to the financial contributions and requirements associated with the day to day activities to be undertaken by NZRL in the pursuit of the exploration permit. Furthermore, the prospective operational activities of New Zealand Resources Limited, in the event that New Zealand Resources Limited is awarded an exploration permit, will also be funded by s 9(2)(a) [REDACTED]
 8. s 9(2)(a) [REDACTED]
 9. After a request for further information on financial capability a letter of financial support was received from s 9(2)(a) [REDACTED]
 10. s 9(2)(a) [REDACTED]

Availability of land area and minerals (section 28A, clauses 1.6, 3.1, 3.2, 4.2, 5.3(8), 5.3(9), 6.1(4), 6.4, 6.10 and Schedule 3)

11. The application area covers part of the Longwood Ecosystem Management Area which is a DOC protected area. Though the permit area contains DOC protected land it is available for permitting and the applicant will have to obtain an access agreement from DOC.
12. The land and minerals have been assessed in accordance with the Act and Minerals Programme and are available for permitting.

Permit area (section 35C, clauses 4.6 and 9.4)

13. The permit covers an unbroken area of 1,952.965ha which is greater than 150 hectares, which is within the parameters specified in the Minerals Programme over which an exploration permit will usually be granted.

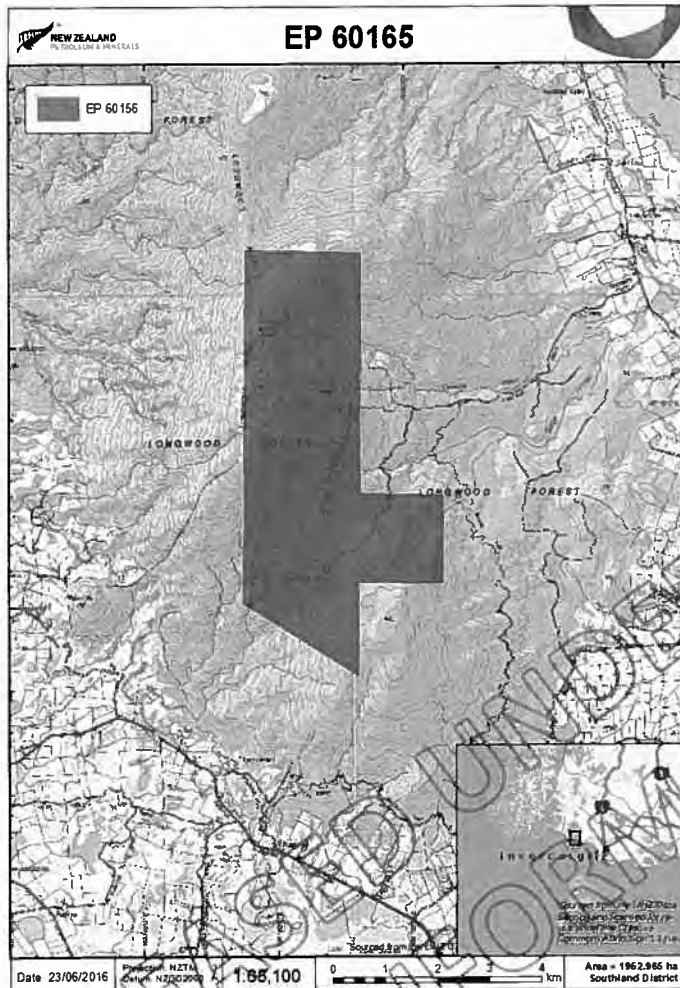


Figure 1: Application Area

Duration (section 35(5) and clause 9.5)

14. The Minerals Programme provides that an exploration permit will usually be granted for up to 5 years.
15. The proposed duration of the permit is 5 years, which is in line with the practice stated in the Minerals Programme and is considered an appropriate timeframe for completion of the work programme.

Permit tier (sections 2B and 2C, Schedule 5 and clause 1.7)

16. This is assessed to be a Tier 2 permit by virtue of section 2B(1)(c) of the Act as this is an exploration permit for a mineral specified in Schedule 5 of the Act and the total work programme expenditure of $\$9(2)(b)(ii)$ for the five year of the life of the permit is estimated not to exceed \$1.25m. The total expenditure of $\$9(2)(b)(ii)$ is based on cost projections supplied by the applicant in the proposed work programme that is considered to be reasonable to achieve the end goal of identifying an inferred resource.

The Work Programme


17. The proposed work programme for the permit is as follows:

- 1 Within 36 months of the commencement date of the permit, the permit holder shall (to the satisfaction of the chief executive):
 - a. complete a literature review of all previous work in the permit area;
 - b. complete a programme of geological mapping and geochemical sampling;
 - c. complete a magnetic survey at 50m line spacing;
 - d. generate exploration targets for drilling; and
 - e. prepare a technical report detailing all work completed during this stage of the work programme to be submitted to the chief executive in accordance with the regulations.
- 2 Within 60 months of the commencement date of the permit, the permit holder shall (to the satisfaction of the chief executive):
 - a. complete a diamond drilling programme and petrological studies of exploration targets comprising at a minimum of 500m of drilling.
 - b. complete petrological studies of core material from the programme of drilling
 - c. evaluate the exploration results and identifying any potential exploration targets for further investigation; and
 - d. prepare a technical report detailing all work completed during this stage of the work programme to be submitted to the chief executive in accordance with the regulations.

Work programme stages and minimum commitments (clauses 9.2(1) and (2))

18. The work program is in two stages with the first stage at the end of year 3 and the second stage at the end of the 5 year permit life.

s 9(2)(b)(ii)



The geology of the permit area and exploration targets and whether the proposed exploration covers the full extent of the permit area (clauses 9.3(1)(a), (d) and (h))

19. An appropriate description of the geology of the area has been provided by the applicant.
20. The application area comprises the Longwood Range which comprises Late Paleozoic ultramafic to granitic intrusives of the Longwood Igneous Complex which is part of the eastern edge of the Median Batholith. The Longwood Igneous Complex intruded the basement greywacke of the Brook Street Terrane which occurs adjacent to the north and east of the application area. The Longwood Igneous Complex comprises two main intrusive units; the Hekeia Gabbro and Pourakino Trondhjemite.
21. The aeromagnetic image of the application area shows the structural geology of the area is predominately controlled by NE-SW structures and a minor orthogonal NW-SE lineation's. The aeromagnetic image also shows the Hekeia Gabbro has a high magnetic susceptibility and can be divided into three domains based on magnetic susceptibility;
- (a) A highly magnetic domain in the east of the application area

- (b) A less magnetic domain in the west of the application area
 - (c) An intermediate magnetic domain between the two areas above in the centre of the application area
22. The known hard rock platinum potential in the Longwood Igneous Complex is largely confined to the Hekeia Gabbro which comprises a layered mafic/ ultramafic complex – a type of geological setting that is associated with PGM deposits in other parts of the world.
 23. Platinum Group Metals mineralisation styles worldwide are;
 - (a) Narrow platiniferous “reefs” with low sulphide content (e.g. Stillwater Complex, USA)
 - (b) Zones of “contact” mineralisation at the margins of the Hekeia Gabbro and Pourakino Trondhjemite (e.g. Platreef Bushveld Complex, South Africa)
 - (c) Feeder zones for the Hekeia Gabbro and Pourakino Trondhjemite (e.g. Voisey's Bay, Canada)
 24. The Longwood Igneous Complex also has potential to contain Intrusion Related Gold Deposits which are associated with moderate to high temperature collisional belts such as the Sam's Creek deposit (Golden Bay) occurring in the Median Batholith. This potential for Intrusion Related Gold deposits is supported by the presence of historic hard rock gold workings and contemporary exploration gold prospects adjacent to the application area.
 25. Alluvial gold and platinum is present in the alluvial terraces in the Roundhill area immediately to the south of the application area and is currently being mined.
 26. The proposed work programme is considered appropriate to the geology of the permit area and exploration targets identified in historic exploration.

Any relevant past prospecting, exploration and mining activities in the permit area
(clause 9.3(1)(b))

27. The Longwood Range has been explored for base and precious metals since the 1960s
28. Kennecott explored the application area till 1970 and conducted an aeromagnetic survey and limited stream, soil and rock chip sampling. Kennecott were primarily looking for copper nickel mineralisation only and hence samples were only analysed for Copper, Zinc and Nickel.
29. Amoco (1970-1981) conducted 294 stream sediment samples and 383 panned concentrate samples were collected over the entire licence area but concentrating on the Longwood Southern Tops.
30. Sigma Resources (1981-1988) conducted 121 stream sediment, 28 bulk stream sediment, 92 soil samples and greater than 300 rock chip samples. Amoco defined the Longwood platinum prospect as a 10km by 2km zone.
31. Anzex Resources (1988- 1999) conducted an aeromagnetic survey of 4,000km using 200m line spacing over the permit, 1500 soil samples, 233 rock samples and 4 diamond drill holes for 2,500m. Drill hole 3 intersected 3m @ 0.34ppm Pt + Pd from 264.9m and 2m @ 0.81ppm Pt + Pd from 286.1m.
32. Resource Eye Services Inc (1998-2005) only reviewed the existing information on the Longwood platinum prospect.
33. Crown Mineral in 2006 released a comprehensive summary of the existing geological geophysical and geochemical data of the Takitimu – Longwood area.

34. Officials believe the proposed work programme is considered appropriate given the timing and results of the historic exploration activities in the application area.

The technical approach proposed and consistency with good industry practice
(section 29A(2)(a)(iii), clauses 1.3(10) & (11), 5.2(4) clauses 9.3(1)(c), (d), (e), (f) and (i))

35. s 9(2)(b)(ii)

36.

37.

38. Having considered the factors set out in the Act and the Minerals Programme and in particular the matters discussed above, Officials are satisfied that the proposed work programme is consistent with good industry practice and should enable the permit holder to make a commercially justifiable decision on development of a mineral deposit before the permit expires.

Minimum expenditure indicated for each stage (clause 9.3(1)(g))

39. s 9(2)(b)(ii)

40.

41. The proposed expenditure is considered appropriate for the nature and extent of the activities proposed.

Consistency with the purpose of the Act and the purpose of a minerals exploration permit (sections 1A, 29A(2)(a)(i), (ii) and clauses 1.2, 1.3, 5.2, 9.1, 9.2 and 9.3)

42. Officials are satisfied that the objective of the proposed exploration is to identify an inferred mineral resource and that the proposed work programme is consistent with the purpose of Act and the permit.

Capability

Likelihood of complying with and giving proper effect to the proposed work programme (section 29A(2)(b) and clause 5.3)

43. All work on the permit will be managed by New Zealand Resources Limited. The applicant states "The sole Director of New Zealand Resources has experience in raising capital for mineral projects, however he does not have specific geological experience. For such experience and qualifications New Zealand Resources will be using domestic consultancies to fulfil the work programme..."
44. A request for further information from the applicant on submission of the application regarding technical expertise to conduct the required work programme, the applicant

responded with the technical capabilities s 9(2)(a) and stated they would use these New Zealand based consultants to complete the tasks in the work programme.

45. s 9(2)(a), s 9(2)(b)(ii)

46.

47.

48.

49.

50.

51.

Likelihood of complying with reporting obligations and the payment of fees and royalties (section 29A(2)(c) and clause 5.3)

52. s 9(2)(a)

53.

54.

55. Officials have not identified any material non-compliance by the proposed permit holder (or related companies) in relation to reporting obligations, fees or royalties and are satisfied that the permit holder is likely to comply with the relevant obligations.

Consultation with iwi and hapu (section 4, clauses 2.2, 2.3, 2.5, 2.7 and 2.8)

56. Consultation on the application was carried out in accordance with the Act and Chapter 2 of the Minerals Programme. No responses were received by 9 June the date stipulated on the consultation letter for submissions.

Any other relevant factors

57. None identified.

CONCLUSION

58. Having considered the relevant provisions in the Act and the Minerals Programme and for the reasons outlined above, it is considered appropriate to grant the application.

RECOMMENDATION

59. It is recommended that you:

- (a) grant the application and sign the attached Certificate of Permit Grant; and
- (b) determine that the permit status will be Tier 2.

s 9(2)(a)



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OFFICIAL INFORMATION ACT

Crown Minerals Act 1991

Sections 25 and 29A

Minerals Exploration Permit 60156

I, ILANA ROBYN MILLER, National Manager Minerals, New Zealand Petroleum & Minerals, acting pursuant to sections 25 and 29A of the Crown Minerals Act 1991 and acting pursuant to delegated authority under section 41 of the State Sector Act 1988, grant to:

NEW ZEALAND RESOURCES LIMITED (Permit Operator)

the exclusive right to explore for all metallic minerals (excluding uranium) in the land described in Schedule 2.

This minerals exploration permit is granted for a term of 5 years commencing on 14 July 2016.

This permit is a Tier 2 permit unless and until a change to the tier status of the permit takes effect in accordance with section 2B or 2D of the Crown Minerals Act 1991.

This permit is granted subject to the Crown Minerals Act 1991 and all regulations made under that Act, and the conditions of the permit.

DATED this 14th day of July 2016



ILANA ROBYN MILLER

Schedule 1

General Conditions

RIGHTS GRANTED BY THIS PERMIT

- 1 The permit holder has the right to prospect for the specified minerals, in the permit area.
- 2 The permit holder has the right to explore for the specified Crown-owned minerals in the permit area.

GOOD INDUSTRY PRACTICE

- 3 The permit holder must make all reasonable efforts to explore and delineate the mineral resource potential of the land to which the permit relates in a proactive and efficient manner in accordance with this permit and good industry practice.

COMPLIANCE AND CONSENTS

- 4 In carrying out activities under this permit, the permit holder must:
 - (a) comply with the Crown Minerals Act 1991 (Act) and all other relevant legislative requirements;
 - (b) obtain any consents and approvals required under the Resource Management Act 1991, the Exclusive Economic Zone and Continental Shelf (Environmental Effects) Act 2012 and any other applicable Acts; and
 - (c) in accordance with section 33A of the Act, obtain confirmation from the chief executive that WorkSafe has given its approval or consent before carrying out an activity under the permit that requires the approval or consent of WorkSafe (in respect of the requirements of the Health and Safety in Employment Act 1992 or regulations made under that Act).

WORK PROGRAMME CONDITIONS

- 5 Where the permit holder is required to commit to work pursuant to the permit, the permit holder must satisfy the chief executive that the permit holder can fulfil that commitment.

RELINQUISHMENT OBLIGATIONS

- 6 In addition to any other relinquishment requirement imposed in accordance with the Act, the permit holder must (where required) relinquish an area of the permit determined in accordance with the Act and the Minerals Programme if an extension of duration is granted.
- 7 Where the permit holder is required to relinquish part of the permit area, the permit holder must submit to the chief executive a map of the proposed relinquishment area not later than 28 days before the relinquishment obligation is due.

SUBCONTRACTING

- 8 The permit holder is not discharged from any obligation arising under this permit by contracting a third party to perform the relevant obligation.

FEES

- 9 The permit holder must pay annual fees and any other applicable fees relating to this permit, in accordance with the relevant regulations.

ROYALTIES

- 10 In the event that minerals are produced from the permit area, the permit holder must notify the chief executive as soon as practicable.
- 11 The permit holder will be liable for payment of a royalty to the Crown calculated in accordance with the Crown Minerals (Royalties for Minerals Other than Petroleum) Regulations 2013.
- 12 In the event that royalties become payable under the permit, the Minister will determine the points of valuation for royalty calculation following consultation with the permit holder.
- 13 The permit holder must report and pay any royalties due in accordance with the relevant regulations.

REPORTING

- 14 The permit holder must submit reports to the chief executive in accordance with the relevant regulations.

ACTIVITIES OF OTHER OPERATORS IN THE PERMIT AREA

- 15 The permit holder must not unreasonably interfere with the activities of any other persons lawfully operating in the permit area.

RESTORATION

- 16 On completion of activities in the permit area, the permit holder must carry out restoration of the permit area in accordance with all regulatory requirements, consents and good industry practice.

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Schedule 2

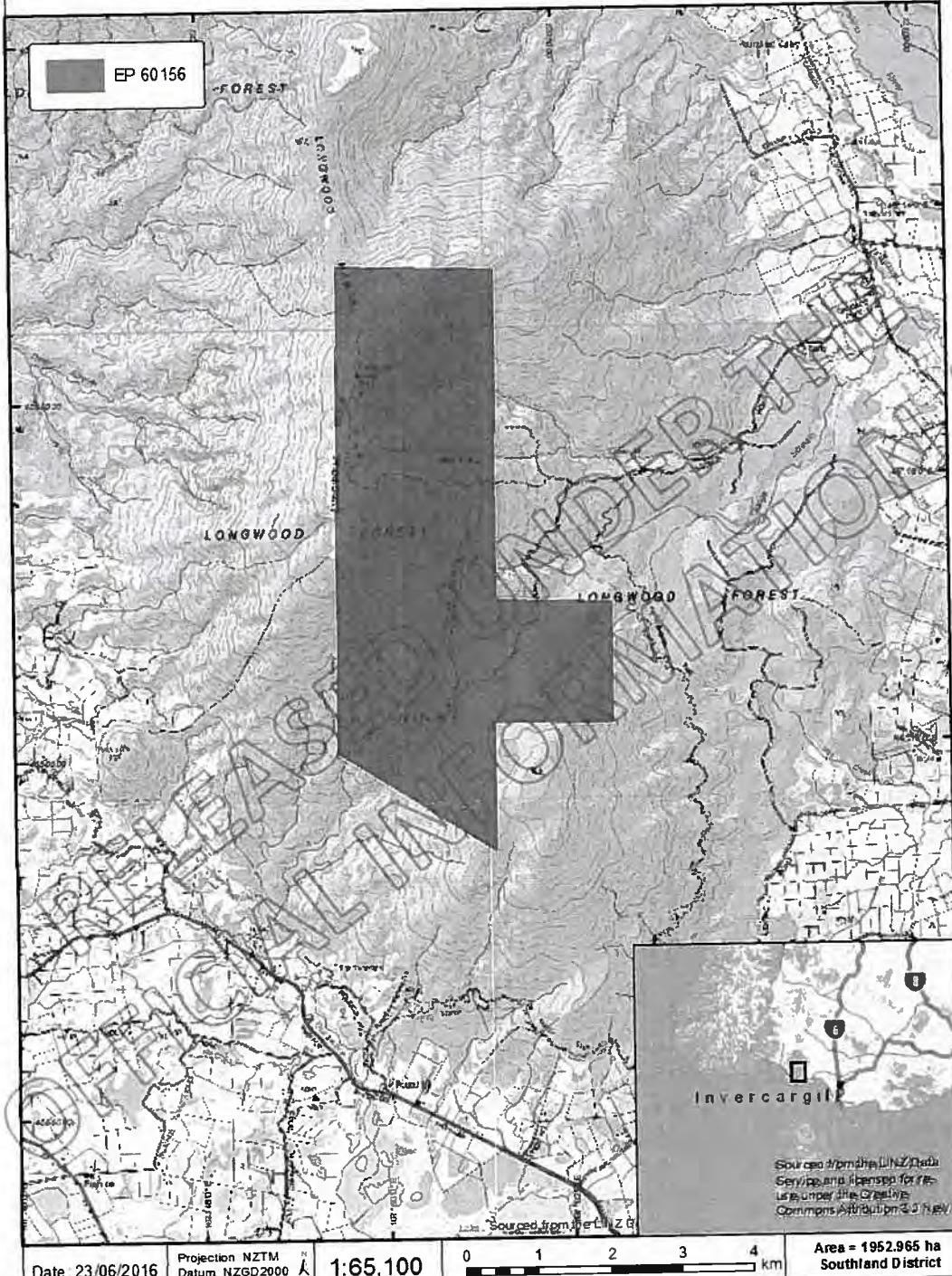
The Land to Which the Permit Relates

Land Area: 1952.965 hectares
Regional Council: Southland Region
Territorial Authority: Southland District

Description of Land Area:

All that area of land as shown in the attached map and more particularly identified in the spatial database held by the chief executive.

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Schedule 3

Minimum Work Programme

- 1 Within 36 months of the commencement date of the permit, the permit holder shall (to the satisfaction of the chief executive):
 - (a) Complete a literature review of all previous work in the permit area;
 - (b) Complete a programme of geological mapping and geochemical sampling;
 - (c) Complete a magnetic survey at 50m line spacing;
 - (d) Generate exploration targets for drilling; and
 - (e) Prepare a technical report detailing all work completed during this stage of the work programme to be submitted to the chief executive in accordance with the regulations.

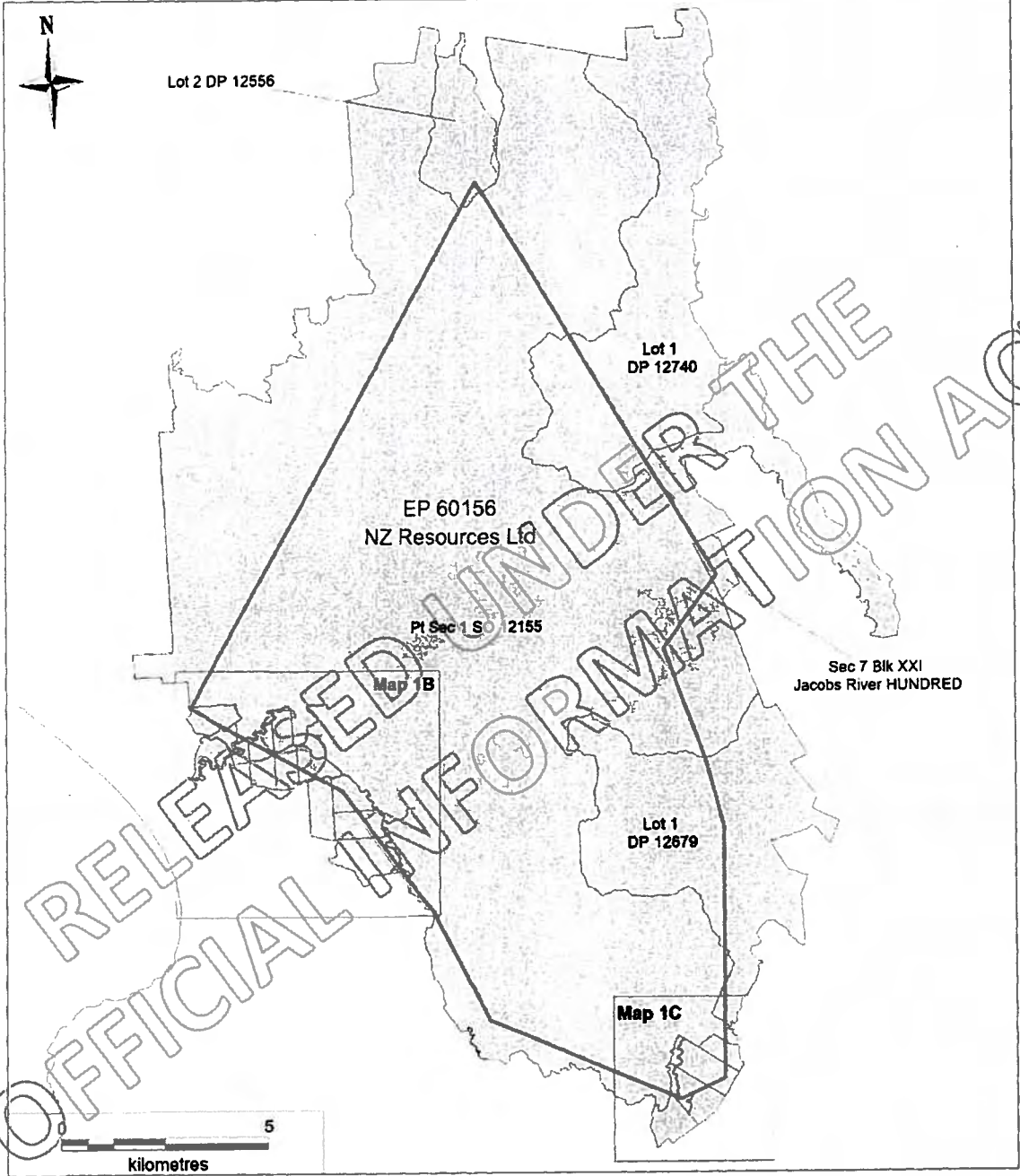
- 2 Within 60 months of the commencement date of the permit, the permit holder shall (to the satisfaction of the chief executive):
 - (a) Complete a diamond drilling programme and petrological studies of exploration targets comprising at a minimum of 500m of drilling;
 - (b) Complete petrological studies of core material from the programme of drilling;
 - (c) Evaluate the exploration results and identifying any potential exploration targets for further investigation; and
 - (d) Prepare a technical report detailing all work completed during this stage of the work programme to be submitted to the Chief Executive in accordance with the regulations.

New Zealand Resources — Longwood EP 60156 — LMS Data

Legal Description	Instrument of Title	Ownership of Non-Statute Minerals
Crown Land Block III Longwood SD (marginal strip)	No Reg	Crown
Lot 1 DP 12679	SL11B/905	Crown
Lot 1 DP 12740	SL11B/903	Crown
Lot 2 DP 12556	SL11B/904	Crown
Pt Sec 1 SO 12155	CIR 268963	Crown
Pt Sec 39 Blk X Longwood SURVEY DISTRICT	SL10A/968	Crown
Sec 16 Blk XII Longwood SURVEY DISTRICT	SL6C/828	Crown
Sec 22 Blk XVII Jacobs River HUNDRED	SL183/174	Crown
Sec 23 Blk III Longwood SURVEY DISTRICT	SL6C/947	Crown
Sec 23 Blk XVII Jacobs River HUNDRED	SL183/161	Crown
Sec 24 Blk III Longwood SURVEY DISTRICT	SL5C/576	Crown
Sec 25 Blk III Longwood SD	SL10B/987	Crown
Sec 27 Blk III Longwood SURVEY DISTRICT	SL6C/946	Crown
Sec 30 Blk III Longwood SURVEY DISTRICT	SL5C/577	Crown
Sec 33 Blk XII Longwood SURVEY DISTRICT	157849	Crown
Sec 33 Blk XVII Jacobs River HUNDRED	SLB3/1118	Crown
Sec 34 Blk XI Longwood SURVEY DISTRICT	SL5B/771	Crown
Sec 43 Blk XII Longwood SURVEY DISTRICT	SL10B/30	Crown
Sec 44 Blk III Longwood SURVEY DISTRICT	SL10A/908	Crown
Sec 46 Blk XII Longwood SURVEY DISTRICT	22947	Crown
Sec 60 Blk III Longwood SURVEY DISTRICT	22948	Crown
Sec 61 Blk III Longwood SURVEY DISTRICT	22947	Crown
Sec 62 Blk III Longwood SURVEY DISTRICT	603277	Crown
Sec 7 Blk XXI Jacobs River HUNDRED	SL190/102	Crown
Water Race Block XVII Jacobs River Hundred	No Reg	Crown
Water Race Block XVII Jacobs River Hundred	No Reg	Crown
Water Race Block XVII Jacobs River Hundred	No Reg	Crown
Water Race Block XVII Jacobs River Hundred	No Reg	Crown

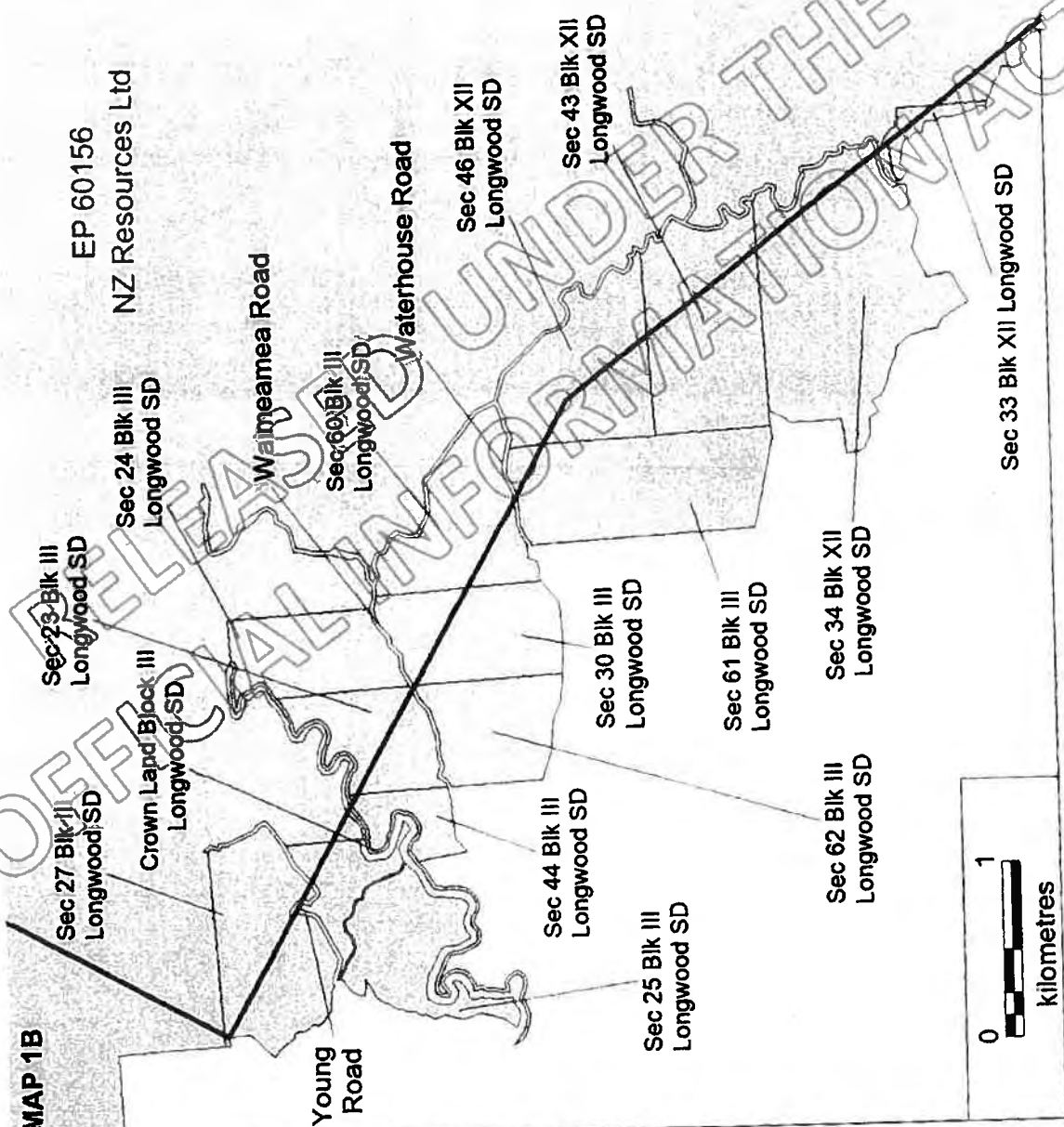
Water Race Block XVII Jacobs River Hundred	No Reg	Crown
Water Race Block XVII Jacobs River Hundred	No Reg	Crown
Young Road	No Reg	Coal Crown; Other minerals Private
Waimeamea Road	No Reg	Coal Crown; Other minerals Private
Un-named Road	No Reg	Coal Crown; Other minerals Private
Waterhouse Road	No Reg	Coal Crown; Other minerals Private
Un-named Road	No Reg	Coal Crown; Other minerals Private
Un-named Road	No Reg	Coal Crown; Other minerals Private
Un-named Road	No Reg	Coal Crown; Other minerals Private
Un-named Road	No Reg	Coal Crown; Other minerals Private
Fryer Road	No Reg	Coal Crown; Other minerals Private
Lapham Road	No Reg	Coal Crown; Other minerals Private
Ward Road	No Reg	Coal Crown; Other minerals Private
Centre Road	No Reg	Coal Crown; Other minerals Private

OFFICIAL INFORMATION ACT



MAP 1B

EP 60156
NZ Resources Ltd



MAP 1C

