



BLYTHE PROJECT, NORTHERN TASMANIA

**Combined Annual Report for tenements:
EL6/2005, EL15/2006, EL35/2006, EL36/2006, EL37/2006, EL18/2007,
EL53/2007**

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Year Ending 19th November 2009

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This report pertains to the following tenements:

EL6/2005 ("Cuprona")
EL15/2006 ("Camena")
EL35/2006 ("Hampshire 1")
EL36/2006 ("Upper Stowport")
EL37/2006 ("Riana")
EL18/2007 ("Hampshire 2") and
EL53/2007 ("Mount Everett")

Electronic version incorporates the following files:

BLYTHE_200911_01_annualreport.pdf
BLYTHE_200911_02_KND003log.pdf
BLYTHE_200911_03_KND004log.pdf
BLYTHE_200911_04_QD001log.pdf
BLYTHE_200911_05_QD002log.pdf
BLYTHE_200911_06_Nagrom1.pdf
BLYTHE_200911_07_Nagrom2.pdf
BLYTHE_200911_08_KND003_KND004assays.txt
BLYTHE_200911_09_diamonddrilldetails.txt
BLYTHE_200911_10_diamondcollsvy.txt

Executive Summary

The bulk of the exploration activity for the Combined Reporting Group for the year ending 19th November 2009 is reported in the previous report ***Blythe Project, Northern Tasmania, Annual Report for EL 18/2007 ("Hampshire 2")***. This report only covers the activity in the latter part of the reporting year.

Exploration work for the year ending 19th September 2009 was focused on the **Kara North Prospect**, the **Quarry Prospect** and the **Button Grass Prospect** within the tenement **E18/2007 (Hampshire 2)**.

Exploration results incorporated in this report are as follows:

- Geological mapping over the combined **Kara North, Button Grass** and **Quarry Prospect** areas.
- **Kara North** diamond drill holes KND003 and KND004 totalling 197.5 m.
- **Quarry Prospect** diamond drill holes QD001 and QD002 totalling 257.3 m.

This report also incorporates results from a metallurgical study undertaken by Nagrom Laboratories, Perth.

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Attachment 3	QD001 drill log
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Attachment 7	KND003 and KND004 assay results
Attachment 8	Diamond drill hole details
Attachment 9	Diamond drill hole collar surveys

1.0 Introduction

1.1 Tenement Details

The licence is one of a group of 7 licences held by either Red River Resources Ltd or Iron Mountain Mining Ltd and managed by Iron Mountain Mining Ltd as part of the Blythe Joint Venture.

The tenements cover a combined area of 384 km² in northern Tasmania, close to the town of Burnie (see **Figure 1**). **Table 1** below provides the details of each tenement.

Permission to submit a combined report for all tenements in the Blythe Project was granted on 10th June 2009. The majority of the exploration activity for this permit year was focused in the **Hampshire 2 tenement, EL 18/2007**. As a result, most of the information can be found in the report for this tenement. Please refer to ***Blythe Project, Northern Tasmania, Annual Report for EL 18/2007 (“Hampshire 2”)***, year ending June 2009.

Tenement ID	Tenement Name	Date Granted	Area (km ²)	Tenement Holder	Location
EL6/2005	Cuprona	8 September 2005	22	Iron Mountain Mining Ltd	Cuprona, 10 km SE of Burnie
EL15/2006	Camena	26 th June 2006	30	Iron Mountain Mining Ltd	Camena, 12 km SE of Burnie
EL35/2006	Hampshire 1	26 th February 2007	89	Red River Resources	Hampshire, 20 km SW of Burnie
EL36/2006	Upper Stowport	26 th February 2007	36	Red River Resources	Upper Stowport, 11km S of Burnie
EL37/2006	Riana	26 th February 2007	57	Red River Resources	Riana, 12 km SW of Penguin
EL18/2007	Hampshire 2	10 th July 2007	103	Red River Resources	Hampshire
EL53/2007	Mt Everett	19 th December 2007	47	Iron Mountain Mining	Mt Everett, 12 km SE of Hampshire

Table 1 – Tenement Details of the Blythe Joint Venture Project

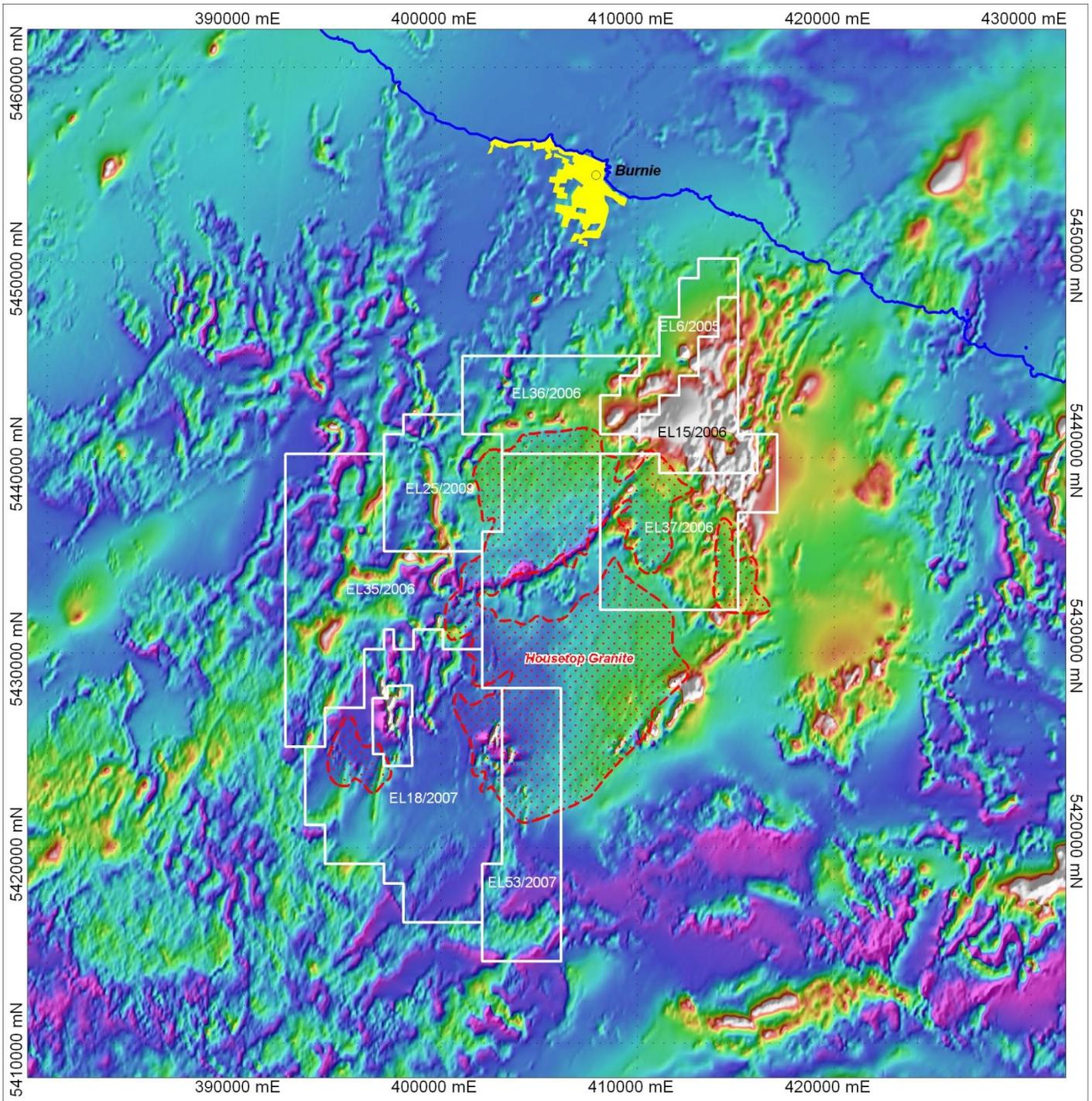


Figure 1 – Aeromagnetic map of the Blythe Project tenements. Location of Housetop Granite marked.

1.2 Exploration Rationale

Initial exploration was focused towards delineating semi-massive to massive magnetite mineralisation hosted by skarns adjacent to the Housetop Granite. However, since the discovery of a zone of low grade tin mineralization, exploration has been extended to include tin.

1.3 Geology

The regional geological setting comprises Proterozoic aged Burnie Formation shales and quartzites that are folded about north-easterly axes and generally dip steeply to the southeast. The overlying Proterozoic Oonah Formation forms an unconformity to the east and consists of 100 m of haematitic and micaceous siliceous siltstones which have shallower dips of approximately 40° south east. This unit is overlain to the east by a steeper south-easterly dipping sequence of conglomerates, sandstones and pebbly limestones, which correlate lithologically with the Cambrian to early Ordovician Denison and Dial Groups. During the Tertiary, the region was almost completely covered by basalt flows, forming a plateau that was subsequently eroded by rivers that re-exposed the older sediments and associated iron deposits.

To the south-east, Upper Devonian Housetop granite outcrops as a medium to coarse grained adamellite.

Contact metamorphism of the older sediments during emplacement of the granite resulted in the formation of skarn deposits.

2.0 Previous Exploration

The first mining lease in the area was held in 1891. **Appendix 1** is a list of company reports for work undertaken within the Blythe Joint Venture Area. This provided the original focus for the exploration directed towards magnetite skarn bodies as a source of high grade iron ore.

3.0 Work Program – Exploration completed during the report period

Work during this period involved:

- Diamond Core drilling (holes QD001, QD002, KND003, KND004)
- Surface sampling (rock chip and grab samples, **Kara North Prospect**)
- Geological mapping (**Kara North, Button Grass, Quarry Prospects**)
- Metallurgical testing (by Nagrom)

As outlined previously, exploration work prior to June 30th 2009 is detailed in a previous report (*Kusnandar et al., 2009*).

3.1 Diamond Core Drilling

The diamond drilling consisted of four holes. KND003 and KND004 in the **Kara North Prospect** and QD001 and QD002 in the **Quarry Prospect** (**Figure 5** illustrates the locations, and **Figures 3** and **4** the cross sections). The drilling details for these holes are given in **Table 2** below. KND003 and KND004 were collared at the same location, with drilling at different azimuths. Similarly, QD001 and QD002 were collared at the same location where drilling was in a different dip direction. **Attachments 1, 2, 3** and **4** provide the original drill logs. The total drilling depth was 454.8 m. EDrill Pty Ltd were contracted for all holes.

Prospect	Drill Hole Number	Easting (GDA 94)	Northing (GDA 94)	Azimuth	Dip (°)	Depth (m)
Kara North	KND003	402512	5425430	320	-60	80
Kara North	KND004	402512	5425432	090	-60	117.5
Quarry	QD001	402061	5424928	110	-60	206.5
Quarry	QD002	402061	5424928	000	-90	50.8

Table 2 – Diamond drill hole details

3.2 Surface Sampling

Surface sampling consisting of rock chip and grab samples was completed in the **Kara North Prospect**. Seventeen samples were taken and assayed for Sn and W. This area within the **Kara North Prospect** has been named **Garry's Tin** after Mr Garry Lavell.

Table 5 in **Section 5.0 – Discussion of Results** provides the locations and assay results of the samples. They are illustrated in **Figure 2**.

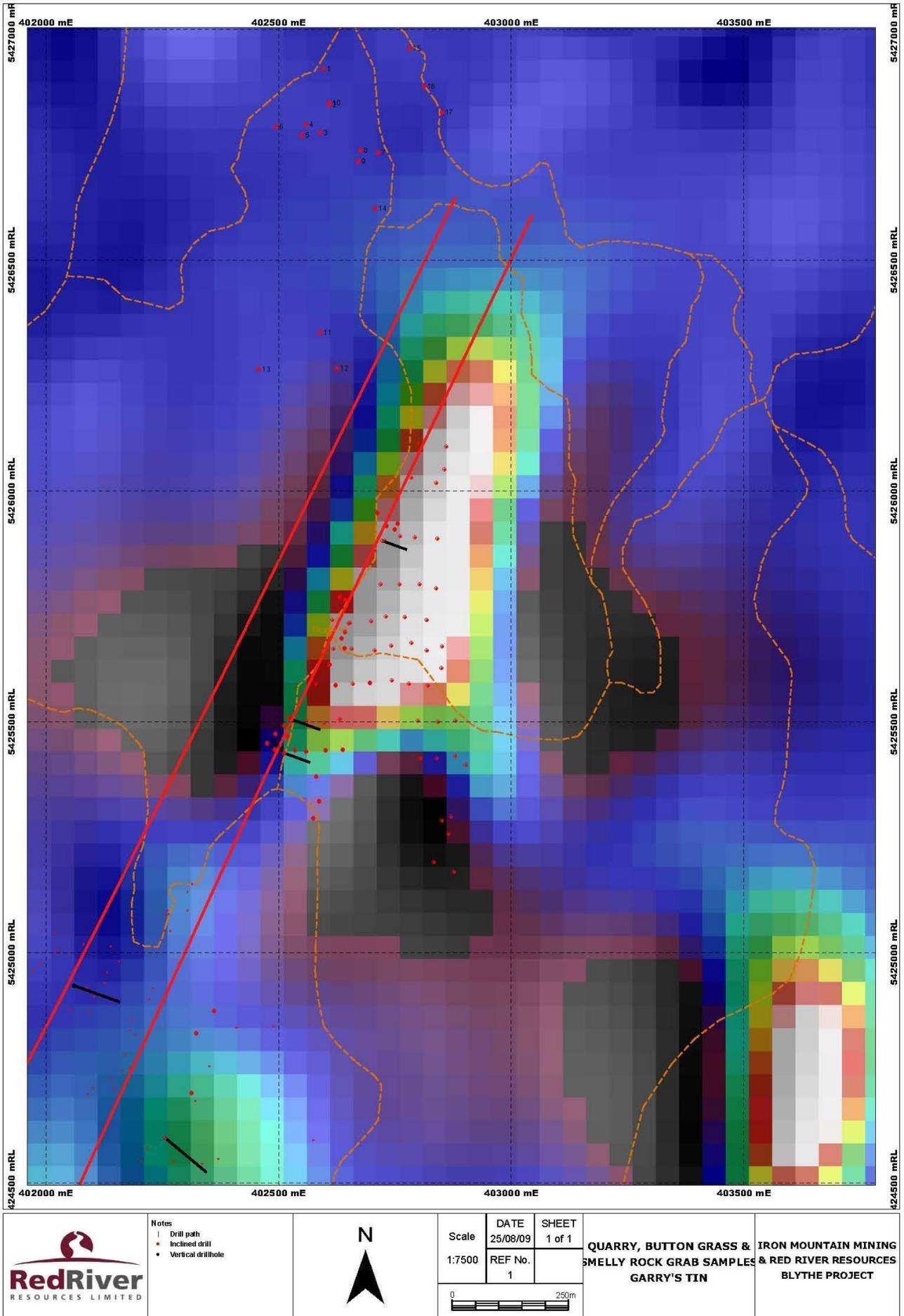


Figure 2 – Surface sampling in Kara North Prospect. ‘Garry’s Tin’ samples are the numbered points north of the aeromagnetic high

3.3 Geological Mapping

Geological mapping covered the ground within and between the **Button Grass, Kara North, and Quarry Prospects**. The original maps were completed in the field on individual sheets at a scale of 1:10. These have been combined and digitised to produce the result displayed in **Figure 5**.

Please see section **5.5 – Independent field report and conclusions** for results, interpretation, and proposed models.

3.4 Metallurgical Testing

Metallurgical testing was undertaken by Nagrom in WA. Their original reports are given in **Attachments 5 and 6**.

Samples for metallurgical testing were submitted from three previously drilled RC holes in the **Kara North Prospect**. Each sample consisted of a combination of five different depth intervals from that hole. **Table 3** below provides a description of each sample.

Sample were crushed and ground to 250 µm before being subjected to magnetic separation methods.

Results are discussed below in section **5.4 Metallurgical Testing**.

Metallurgical Testing Sample Number	RC Drill Hole Number	Depth Intervals
1	KNRC007	26-38 m, 30-32 m, 35-36 m
2	KNRC023	18-23 m
3	KNRC021	1-3 m, 9-10 m, 16-18 m
4	KNRC021	38-39 m, 42-43 m, 46-49 m

Table 3 – Summary of samples submitted for metallurgical testing

4.0 Grid Datum

The Geodetic Datum for the project is GDA 94.

5.0 Discussion of Results

5.1 Diamond Core Drilling

Cross sections of the four diamond drill holes are provided in **Figures 3 and 4**. The original drill logs can be found in **Attachments 1, 2, 3 and 4**. Assay results are given in **Attachment 7**, and drill details and collar surveys in **Attachments 8 and 9**. Significant intersections are given below in **Table 4**.

As shown in **Table 2**, the two holes in the **Quarry Prospect** were drilled at the same location but with different dips. The holes did not reveal any significant

mineralisation and therefore were not assayed. The lithologies comprised hornfels and fresh, coarse grained biotite-granite. The granite also outcrops in the quarry itself. Here it is highly weathered and consists primarily of quartz and pseudomorphic kaolinite after feldspar.

The holes drilled in the Kara North Prospect were also collared in the same location, with KND003 dipping towards the west and KND004 dipping towards the north (full details provided in **Table 2**). Both holes encounter granite and skarn. Garnet is the dominant mineral in the skarn, along with magnetite as a pseudomorph after both garnet and specular hematite. The remaining mineralogy consisted of green amphibole, pyroxene, trace wollastonite, epidote, quartz, chlorite, calcite, fluorite, trace pyrite, molybdenite and arsenopyrite, and possibly vesuvianite, zeolite. There are mineralogical indicators as to the direction of the skarn-forming granite: in KND003 this was encountered at 62 m through to the end of the hole. There was strong alteration in the granite and garnets became noticeably darker towards the contact. In KND004 the granite intersected was too fresh to be skarn-forming. However, the increasingly dark colour of the garnet implies the skarn-forming granite may be below the final depth of the drill hole (> 117.5 m).

Both holes exhibit signs of prograde and retrograde metamorphism: KND003 shows the strongest retrograde metamorphism. The strength increases away from the skarn forming granite. Metamorphic assemblages are described in **Table 8**.

Drill Hole Number	INTERSECTION				
	From (m)	To (m)	Thickness (m)	Fe grade (%)	Sn grade (%)
KND003	22.5	34.4	11.9	32.0	-
	29.5	34.4	4.9	-	0.27
	37.6	49.5	11.9	-	0.26
	37.6	48.6	11.0	38.0	-
	52.5	55.0	2.5	21.7	-
	52.5	57.0	4.5	-	0.13
KND004	11.4	17.5	6.1	41.3	-
	29.5	105	75.5	43.4	-
	31.0	42.2	11.2	-	0.13
	50.5	57.0	6.5	-	0.11
	65.0	70.0	5.0	-	0.11
	94.0	97.0	3.0	-	0.12
	100.0	102.8	2.8	-	0.11

Table 4 – Summary of significant Fe and Sn intersections for diamond drill holes KND003, KND004

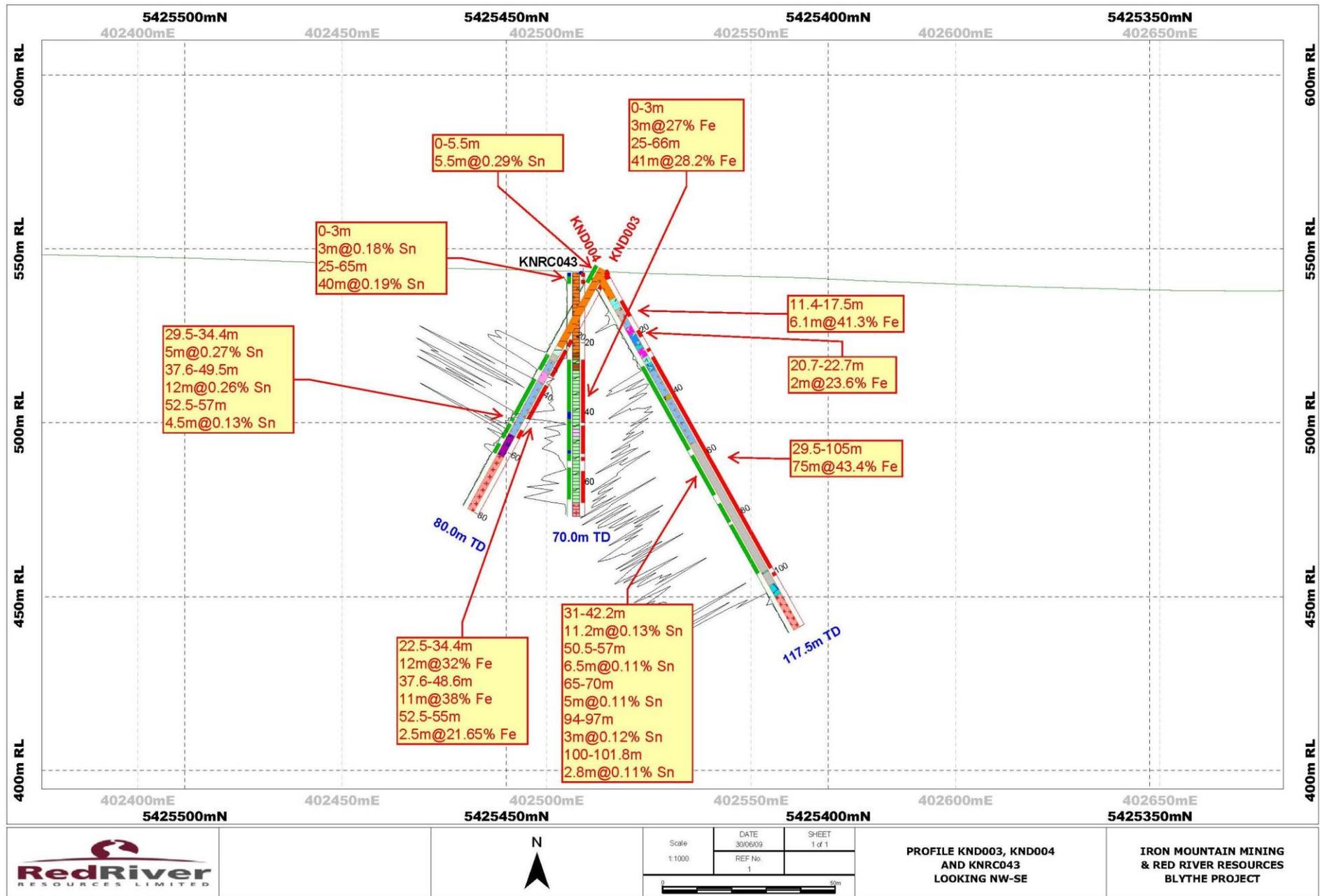


Figure 3 – Kara North Prospect diamond drilling cross section – KND003 and KND004

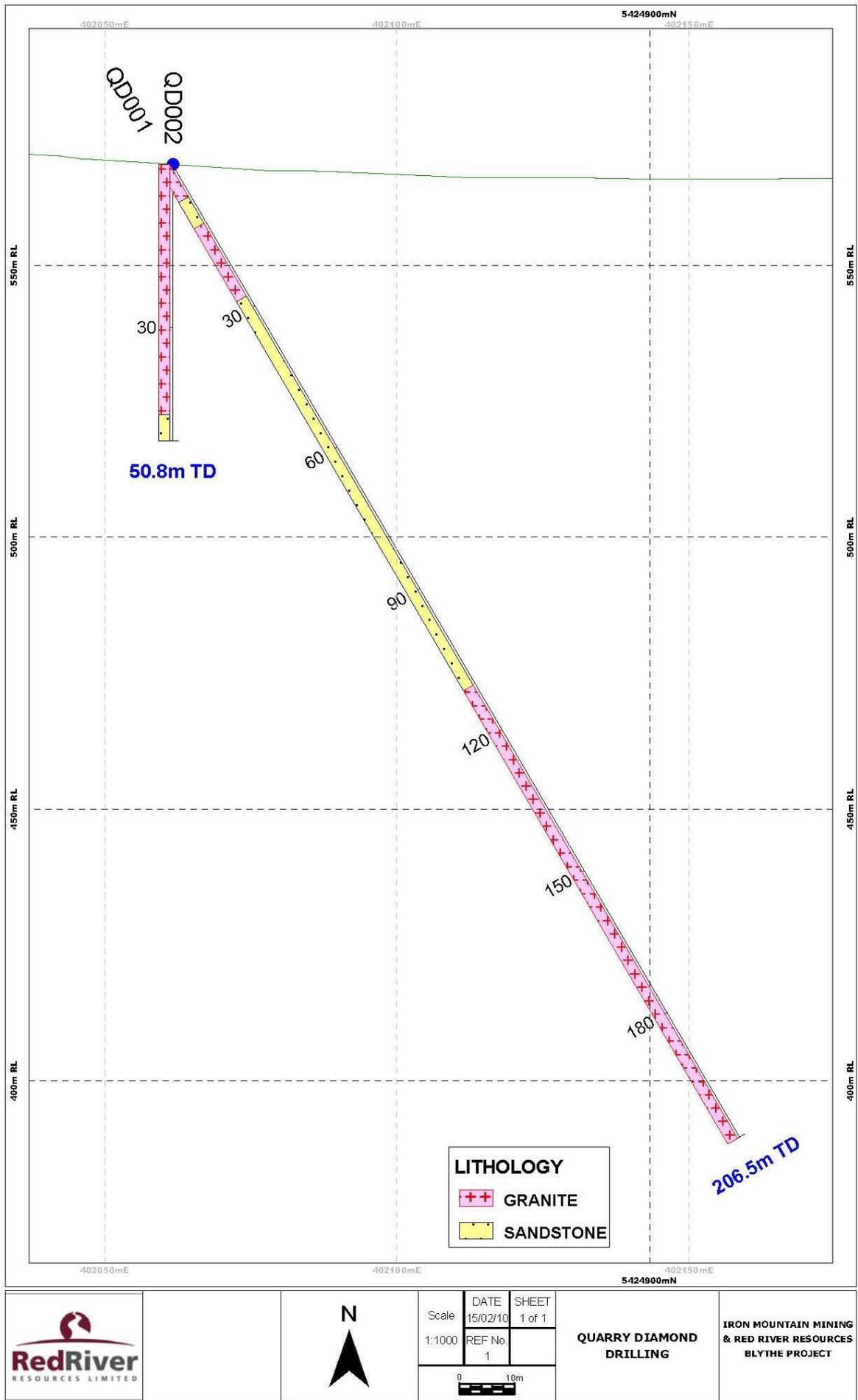


Figure 4 – Quarry Prospect Diamond Drilling Cross Section – QD001 and QD002

5.2 Surface Sampling

The rock chips and grab samples were analysed for Sn and W. The results are listed below in **Table 5**. There were no anomalously high readings despite the fact that Sn seems to be preferentially enriched at or near the surface in this area.

Number	Sample Number	Easting (mE)	Northing (mN)	Sn (%)	WO ₃ (ppm)
1	5001	402597	5426915	0.01	50
2	5002	402609	5426837	<0.01	50
3	5003	402590	5426776	<0.01	40
4	5004	402559	5426794	<0.01	<10
5	5005	402551	5426771	<0.01	30
6	5006	402495	5426789	0.01	30
7	5007	402714	5426733	<0.01	40
8	5008	402676	5426738	<0.01	40
9	5009	402671	5426714	<0.01	30
10	5010	402609	5426841	<0.01	50
11	5011	402590	5426343	0.01	40
12	5012	402626	5426266	<0.01	40
13	5013	402458	5426263	0.01	40
14	5014	402708	5426613	<0.01	50
15	5015	402782	5426959	0.01	40
16	5016	402813	5426876	0.01	50
17	5017	402851	5426821	0.01	60

Table 5 – Surface Sampling Details and Assay Results

5.3 Geological Mapping

Geological mapping was undertaken over an area that spanned the **Kara North, Button Grass** and **Quarry Prospects**.

Much of the area was inaccessible due to thick vegetation, however outcrops infer that granite is the dominant lithology at the surface, with skarn deposits focused in the **Kara North Prospect** and sandstones and mudstones exposed in the **Quarry Prospect**.

A continuous band of granite was mapped on the eastern side of the **Kara North Prospect** and extended down past the **Button Grass Prospect**. This may be part of the Husetop Granite (see section **1.3 – Geology**). The granite that outcrops on the western side of the **Kara North Prospect** and, sporadically, down past the **Quarry Prospect**, may be joined to this at depth. This is indicated from the RC drill hole logs Deformation and faulting appeared to be lacking except on a small, localised scale. **Figure 5** is a digitised version of the map.

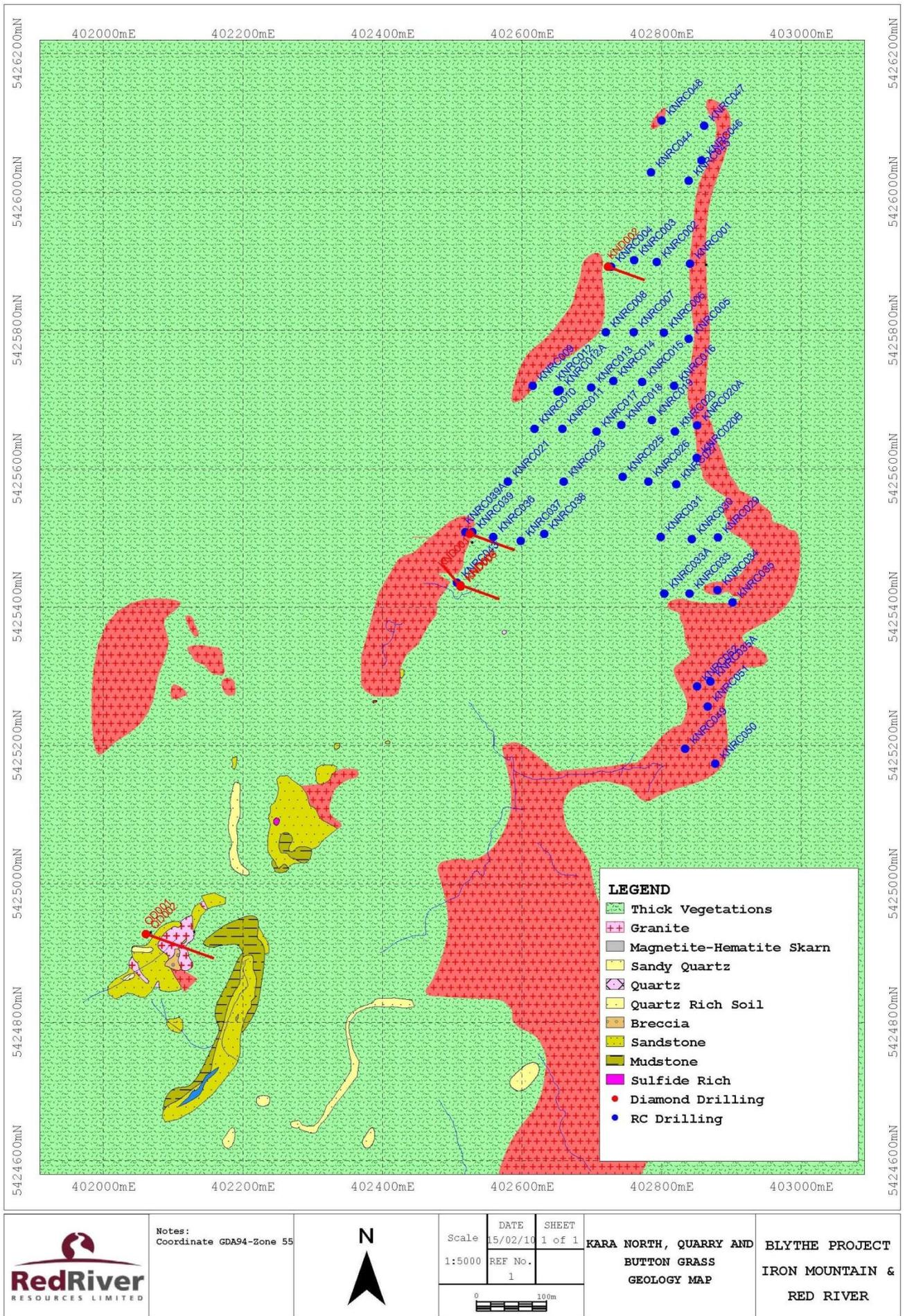


Figure 5– Digitised representation of geological mapping in the Kara North, Quarry and Button Grass Propsects

5.4 Metallurgical Testing

The results and report from the metallurgical testing by Nagrom indicate a general trend where higher whole rock Fe grades yield higher weight recovery rates by magnetic separation. For example, at >50 % whole rock Fe, a magnetic concentrate of 67 % Fe can be achieved at a weight recovery of > 90 %. Lower whole rock grades (30 – 35 % Fe) produced lower grade magnetic concentrates (50 – 58 % Fe) and lower weight recoveries of around 55 %. All tests were undertaken at the grinding size of 250 µm. However, in some cases, the Fe % recovered by magnetic separation was low compared to the relatively high overall Fe in the sample (see **Table 6**). This implies that the Fe was not solely contained in magnetite. In minerals such as hematite or Fe-containing silicates, it is not possible to extract the Fe by magnetic methods, hence the high overall rock grade and the low magnetic separation grade.

Sample Number	1	2	3	4
Whole rock Fe grade (%)	57.17	32.29	36.24	20.84
LIMS magnetic concentrate Fe grade (%)	67.08	59.38	63.81	54.47
Salient magnetic concentrate Fe grade (%)	67.44	48.28	53.08	36.11
All magnetic concentrate Fe grade (%)	67.1	51.8	58.2	47.0
Magnetic recovery rate	91.87	55.20	54.79	22.53

Table 6 – Summary of metallurgical testing results for Fe

The same samples were also metallurgically tested for Sn. See **Table 7** for a summary of the results.

Magnetic separation produced low Sn grades indicating that the Sn is not held in magnetite. The water table tail (which contains the silicates) returned the highest proportion of Sn, thus showing that most of the Sn is held within silicates, either as ‘free’ Sn or as very fine grained cassiterite.

There is no obvious correlation between the Sn and the magnetite.

See **Attachments 5** and **6** for the original reports from Nagrom.

Sample Number		1	2	3	4
Whole Rock	Sn Grade (%)	0.03	0.15	0.17	0.16
	Magnetic concentrate proportion (%)	78.3	34.4	34.1	10.0
LIMS magnetic concentrate	Sn Grade (%)	0.02	0.08	0.11	0.23
	Sn proportion (%)	48.71	5.97	10.36	8.28
Salient magnetic concentrate	Sn Grade (%)	0.02	0.10	0.12	0.18
	Sn proportion (%)	2.97	16.54	12.41	4.45
Wet table concentrate	Sn Grade (%)	0.50	0.22	0.21	0.18
	Sn proportion (%)	1.63	0.75	0.49	0.23
Wet table middle	Sn Grade (%)	11.41	0.21	0.20	0.17
	Sn proportion (%)	0.13	1.68	1.18	3.54
Wet table tail	Sn Grade (%)	0.07	0.17	0.20	0.16
	Sn proportion (%)	35.28	75.06	75.57	83.50

Table 7 – Summary of metallurgical testing results for Sn

6.0 Environment

Prior to any investigation, ground disturbance orders were lodged to cover drilling activity. The sites were then cleared and the drill pads prepared. Drilling naturally causes some disruption to the environment, however activity complied with government guidelines so as to minimize disturbance.

Since the conclusion of the drilling program, more permanent rehabilitation has been completed: a new technique was employed to cut the drill collars back below the ground surface. This involved using a whipper snipper and blade which could be inserted inside the collar, thus allowing it to be cut from the inside.

All sumps were back filled upon completion of drilling and any rubbish removed. Surface sampling and geological mapping caused no environmental impact and thus no rehabilitation was required with regards to this area of study.

7.0 References

Kusnandar, K., Mayer, A., Zlatkov, G., 2009. *Blythe Project, Northern Tasmania: Annual Report for EL18/2007 "Hampshire 2"*.

Chang, Z., 2010. *Field Report on the Kara North – Button Grass Magnetite-Sn Skarn Prospects, Tasmania*.

Appendix 1 – Company Reports – Previous Exploration

Report 90_3199
Date 1/10/1990
Authors(s) Anon
Title Parts A and B, Tasmania Mines Limited Retention Licence Application Exploration Licence 17/68
Company(s) Tasmania Mines Limited, Tasmania Mines NL
Tenement(s) EL17/1968
Physical Description 1 volumes 19PP, 2APPX, 1 FIG, 10 PLANS,
Digital Media
Other Ref.
Map (250K) SK55-3 BURNIE
Map (50/100K) 80151 Burnie
Geographic Hampshire, Loudwater Creek, Wollastonite Creek
Activities Analysis, Auger/Test pits, Diamond, Drilling, Geochemistry, Geology, Geophysics, Gnd magnetic, Logs, Mine/Deposit, Mineral Process., Misc and Fuels, Ore Reserves, Percussion, Rock-chip, Surface mapping
Minerals Magnetite, Scheelite, Wollastonite
Deposits Hampshire, Kara
Keywords Skarn
Annotation The report provides a comprehensive account of work on the Hampshire magnetite skarn and on the thermal metamorphic wollastonite deposits at Wollastonite Creek. It also reviews the potential scheelite reserves within the RL application area and gives a commodity review of wollastonite.

Report 82_1828
Date 1/10/1982
Authors(s) Whitehead, C.H.
Title Summary Report of Completed Work Programme, E.L. 17/68 and C.L. 105M/77, Twelve Month Period, November 4th 1981-November 3rd 1982.
Company(s) McIntyre Mines (Australia) Proprietary Limited, Tasminex NL
Tenement(s) 105M/1977, EL17/1968
Physical Description 19 volumes VOL 1 = 10PP, 1 PLAN; VOL 2 = 4PP, 1 PLAN;
Digital Media
Other Ref.
Map (250K) SK55-3 BURNIE
Map (50/100K) 80152 Loongana
Geographic Emu River, Hampshire, Limestone Creek, Old Park River, Valentines Creek
Activities Analysis, Diamond, Drilling, Environment, Geochemistry, Geology, Geophysics, Gnd magnetic, Logs, Metallic minerals, Mineral Process., Misc and Fuels, Ore Reserves, Petrology, Surface mapping, Water
Minerals Iron, Magnetite, Scheelite, Tungsten
Deposits Bobs Bonanza, Hampshire, Kara, Lohreys

Keywords	Felsic Volcanics, Gordon Limestone(S), Housetop Granite(S), Skarn
Annotation	Infill drilling at Kara North 266, Kara No. 1 south and Kara No. 1 main increased geological reserves of fresh and partially weathered ore with open pit mining potential. Exploration drilling over magnetic anomalies for suspected subsurface skarns is successful to date and is continuing. Further geological mapping, geochemistry, geophysics and drilling is recommended.
Report	81_1625
Date	1/11/1981
Authors(s)	Whitehead, C.H.
Title	Summary Report of Completed Work Programme Exploration Licence 17/68 and Consolidated Lease 105M/77 Period May 4th 1981 to November 3rd 1981.
Company(s)	McIntyre Mines (Australia) Proprietary Limited, Tasminex NL
Tenement(s)	105M/1977, EL17/1968
Physical Description	3 volumes 18PP, 2 ATTACHMENTS, 7 APPX, 8 PLANS,
Digital Media	
Other Ref.	
Map (250K)	SK55-3 BURNIE
Map (50/100K)	80152 Loongana
Geographic	Hampshire, St Valentines Peak
Activities	Analysis, Diamond, Drilling, Geochemistry, Geology, Geophysics, Gnd magnetic, Logs, Metallic minerals, Mineral Process., Mineral/Gossan, Mining, Misc and Fuels, Ore Reserves, Petrology, Rock-chip, Soil (A,B,C horiz), Stream sediment, Surface mapping
Minerals	Cassiterite, Fluorine, Fluorite, Iron, Magnetite, Scheelite, Silver, Tin, Tungsten
Deposits	Hampshire, Kara
Keywords	Gordon Limestone(S), Housetop Granite(S), Skarn
Annotation	Exploration for scheelite bearing skarns is continuing in the outlying sections of the E.L.. A pre-development program has commenced, the first phase of which includes extensive infill diamond drilling and metallurgical studies aimed at increasing known reserves of recoverable scheelite at the main Kara tungsten bearing skarn zones.
Report	88_2764
Date	1/11/1987
Authors(s)	Whitehead, C.H.
Title	Exploration Licence 17/68, Annual Report, November 4, 1986 - November 3, 1987
Company(s)	Tasmania Mines Limited, Tasmania Mines NL
Tenement(s)	EL17/1968
Physical Description	1 volumes 12PP, 15 APPX, 1 FIG, 6 PLANS,

Digital Media
Other Ref.
Map (250K)
Map (50/100K)
Geographic
Activities
Minerals
Deposits
Keywords
Annotation

SK55-3 BURNIE
80152 Loongana
Hampshire, Wollastonite Creek
Analysis, Bed-rock, Diamond, Drilling, Geochemistry, Geology, Geophysics, Indust. Minerals, Metallic minerals, Mine/Deposit, Mineral Process., Misc and Fuels, Petrology, Rock-chip, Surface mapping
Gold, Iron, Magnetite, Scheelite, Tungsten, Wollastonite
Kara
Gordon Limestone(S), Replacement Mineralisation, Skarn
A summary of ongoing exploration for tungsten and recent evaluation of gold potential on the licence. Wollastonite occurrences and beneficiation properties are investigated.

Report
Date
Authors(s)
Title
Company(s)
Tenement(s)
Physical Description
Digital Media
Other Ref.
Map (250K)
Map (50/100K)
Geographic
Activities
Minerals
Deposits
Keywords
Annotation

82_1794
1/08/1982
Whitehead, C.H.
Exploration Licence 17/68 and Consolidated Lease 105M/77, Quarterly Report for the Period May 4th 1982 to August 3rd 1982
McIntyre Mines (Australia) Proprietary Limited, Tasminex NL
105M/1977, EL17/1968
1 volumes 5PP, 1 APPX, 1 PLAN,
SK55-3 BURNIE
80152 Loongana
Emu River, Hampshire, Horizontal Creek, Loudwater Creek, St Valentines Peak
Analysis, Diamond, Drilling, Geochemistry, Geology, Geophysics, Gnd magnetic, Metallic minerals, Stream sediment, Surface mapping
Iron, Magnetite, Scheelite, Tungsten
Kara
Gordon Limestone(S), Housetop Granite(S), Skarn
Engineering, production, economic and metallurgical studies are being completed. Infill and exploratory drilling to investigate possible mineralisation associated with suspected buried subsurface skarns is continuing. A ground magnetic survey indicated extensions of the Hampshire magnetite skarn in a northerly direction beneath shallow basalt cover.

Report 82_1878

Date	1/09/1982
Authors(s)	Lawton, J.J.
Title	E.L. 4/77 - Highclere. Progress Report on Exploration During the Period March 1980 - August 1982.
Company(s)	Comalco Limited, The Shell Company of Australia Limited
Tenement(s)	EL4/1977
Physical Description	1 volumes 12PP, 2 APPX, 17 FIG, 11 PLANS,
Digital Media	
Other Ref.	08-1069
Map (250K)	SK55-3 BURNIE
Map (50/100K)	80151 Burnie, 80152 Loongana, 80153 Waratah
Geographic	Guide River, Highclere, St Valentines Peak
Activities	Air electromag, Air magnetic, Air radiometric, Analysis, Diamond, Drilling, EIP/MIP, Geochemistry, Geology, Geophysics, Gnd electromag, Gnd magnetic, Logs, Metallic minerals, Misc and Fuels, Percussion, Petrology, Resistivity, Soil (A,B,C horiz), Surface mapping, Well-logging
Minerals	Iron, Magnetite, Pyrrhotite, Tin, Tungsten
Deposits	Buckby, Hampshire Iron
Keywords	Burnie Formation(S), Dundas Group(Sc), Gravity Modelling, Housetop Granite(S), Max-Min-EM, Replacement Mineralisation, Skarn, Tertiary Basalt, Ultramafics
Annotation	A summary of tin-tungsten exploration adjacent to the western margin of the Housetop Granite. It is considered unlikely that magnetite skarn of significant tonnage exists beneath Tertiary basalt cover on the western margin of the granite within the licence. An INPUT survey, aimed at locating conductive massive sulphide mineralisation has delineated ten anomalies which are currently being followed up.
Report	82_1820
Date	1/07/1982
Authors(s)	Ruxton, P.A.
Title	E.L. 8/77 - Riana, Progress Report on Exploration During the Period 1/8/81 to 1/7/82.
Company(s)	Commonwealth Aluminium Corporation Limited, The Shell Company of Australia Limited
Tenement(s)	EL8/1977
Physical Description	2 volumes 11PP, 9 APPX, 10 FIG, 34 PLANS,
Digital Media	
Other Ref.	08-1064
Map (250K)	SK55-5 QUEENSTOWN
Map (50/100K)	80151 Burnie, 80152 Loongana, 81153 Wilmot, 81154 Ulverstone
Geographic	Camena, Cuprona, Laurel Creek, Loyetea, Midgleys Falls, Natone, Penguin, Preston, Riana, Stotts Road
Activities	Air electromag, Air magnetic, Analysis, Diamond, Drilling, EIP/MIP, Geochemistry, Geology, Geophysics, Gnd electromag, Gnd magnetic, Logs, Metallic minerals, Misc and Fuels, Percussion, Petrology, Resistivity, SP/AP/EP, Soil (A,B,C horiz), Stream sediment, Surface mapping, Well-logging
Minerals	Cassiterite, Pyrite, Pyrrhotite, Tin, Tungsten

Deposits Blythe R, Copper King, Cranes, Hoopers, Neptune, Rutherford
Keywords Burnie Formation(S), Dolomite, Duricrust, Ferricrete, Gordon Limestone(S), Greisen, Husetop Granite(S), INPUT-EM, Max-Min-EM, Metasomatism, SIROTEM, Skarn, Ultramafics, VLF-EM
Annotation Several aeromagnetic and aeroelectromagnetic anomalies will be followed up with ground magnetics and EM, soil geochemistry and IP surveys in the most favourable zones. Exploration will continue at Natone to define targets for Sn and W mineralisation north of the Husetop Granite

Report 69_0553
Date 1/04/1969
Authors(s) Hughes, T.D.
Title Natone Area - EL 14/68 and EL 13/68
Company(s) Hinkley D W, McDonald E H
Tenement(s) EL13/1968, EL14/1968
Physical Description 1 volumes 4PP, 1 PLAN,
Digital Media
Other Ref.
Map (250K) SK55-3 BURNIE
Map (50/100K) 80151 Burnie
Geographic Blythe River, Burnie, Natone
Activities Diamond, Drilling
Minerals Hematite, Iron, Magnetite, Pyrrhotite
Deposits Natone
Keywords Fault Mineralisation, Rocky Cape Region(S)
Annotation Drilling in a geophysically anomalous area has commenced, but is hampered by wet conditions.

Report 84_2085
Date 1/12/1983
Authors(s) Anon
Title Exploration Licence 23/79, Wynyard, Tasmania Annual Report for Year Ended 1st December, 1983
Company(s) Broken Hill Proprietary Company Limited
Tenement(s) EL23/1979
Physical Description 1 volumes 10PP, 6 APPX, 9 FIG, 2 TABLES,
Digital Media
Other Ref.
Map (250K) SK55-3 BURNIE
Map (50/100K) 80153 Waratah, 80154 Yolla, 80163 Wynyard
Geographic Calder, Cam River, Hellyer River, Wynyard

Activities	Diamond, Drilling, Geochemistry, Geophysics, Logs, Metallic minerals, Misc and Fuels, Petrology, Physical properties, Rock-chip, Stream sediment
Minerals	Tin
Deposits	
Keywords	Arthur Lineament, Burnie Formation(S), Parmeener Supergroup(S), Tertiary Basalt
Annotation	Two targets, located from aeromagnetics, were drilled through the Tertiary sequence into basement but no anomalies were detected.
Report	84_2305
Date	1/12/1984
Authors(s)	Whitehead, C.H.
Title	Exploration Licence 17/68 and C.L. 105M/77 Completed Work Program and Exploration Expenditures Annual Report, Period November 4th 1983 - November 3rd 1984
Company(s)	McIntyre Mines (Australia) Proprietary Limited, Tasminex NL
Tenement(s)	105M/1977, EL17/1968
Physical Description	1 volumes 5PP, 6 APPX, 3 PLANS,
Digital Media	
Other Ref.	
Map (250K)	SK55-3 BURNIE
Map (50/100K)	80152 Loongana
Geographic	Hampshire
Activities	Analysis, Diamond, Drilling, Feasibility Study, Geology, Geophysics, Gnd magnetic, Logs, Metallic minerals, Mineral Process., Mining, Misc and Fuels, Ore Reserves, Surface mapping
Minerals	Iron, Magnetite, Scheelite, Tungsten
Deposits	Kara
Keywords	Gordon Limestone(S), Housetop Granite(S), Replacement Mineralisation, Skarn
Annotation	Work during the year consisted of surface exploration and diamond drilling activities in the outside sections of the E.L. and detailed investigations (mine planning, economic, etc) of the main Kara WO3 bearing skarns
Report	90_3199
Date	1/10/1990
Authors(s)	Anon
Title	Parts A and B, Tasmania Mines Limited Retention Licence Application Exploration Licence 17/68
Company(s)	Tasmania Mines Limited, Tasmania Mines NL
Tenement(s)	EL17/1968
Physical Description	1 volumes 19PP, 2APPX, 1 FIG, 10 PLANS,
Digital Media	
Other Ref.	

<p>Map (250K) Map (50/100K) Geographic Activities</p> <p>Minerals Deposits Keywords Annotation</p>	<p>SK55-3 BURNIE 80151 Burnie Hampshire, Loudwater Creek, Wollastonite Creek Analysis, Auger/Test pits, Diamond, Drilling, Geochemistry, Geology, Geophysics, Gnd magnetic, Logs, Mine/Deposit, Mineral Process., Misc and Fuels, Ore Reserves, Percussion, Rock-chip, Surface mapping Magnetite, Scheelite, Wollastonite Hampshire, Kara Skarn The report provides a comprehensive account of work on the Hampshire magnetite skarn and on the thermal metamorphic wollastonite deposits at Wollastonite Creek. It also reviews the potential scheelite reserves within the RL application area and gives a commodity review of wollastonite.</p>
<p>Report Date Authors(s) Title</p> <p>Company(s) Tenement(s) Physical Description Digital Media Other Ref.</p> <p>Map (250K) Map (50/100K) Geographic Activities</p> <p>Minerals Deposits Keywords Annotation</p>	<p>84_2305 1/12/1984 Whitehead, C.H. Exploration Licence 17/68 and C.L. 105M/77 Completed Work Program and Exploration Expenditures Annual Report, Period November 4th 1983 - November 3rd 1984 McIntyre Mines (Australia) Proprietary Limited, Tasminex NL 105M/1977, EL17/1968 1 volumes 5PP, 6 APPX, 3 PLANS,</p> <p>SK55-3 BURNIE 80152 Loongana Hampshire Analysis, Diamond, Drilling, Feasibility Study, Geology, Geophysics, Gnd magnetic, Logs, Metallic minerals, Mineral Process., Mining, Misc and Fuels, Ore Reserves, Surface mapping Iron, Magnetite, Scheelite, Tungsten Kara Gordon Limestone(S), Housetop Granite(S), Replacement Mineralisation, Skarn Work during the year consisted of surface exploration and diamond drilling activities in the outside sections of the E.L. and detailed investigations (mine planning, economic, etc) of the main Kara WO3 bearing skarns.</p>
<p>Report Date Authors(s) Title Company(s)</p>	<p>84_2149 1/06/1984 Sumpton, J.D.H., Turley, S.D. 1983/84 Annual Report E.L. 24/73, Follow-up of Aeromagnetic Survey of the Dial Range Trough. Duval Mining (Australia) Limited, Geopeko Limited</p>

Tenement(s)	EL24/1973
Physical Description	1 volumes 20PP, 4 APPX, 4 PLANS,
Digital Media	
Other Ref.	
Map (250K)	SK55-3 BURNIE
Map (50/100K)	80151 Burnie, 81154 Ulverstone
Geographic	Dial Range, Hardstaff Creek, Leven River
Activities	Air magnetic, Analysis, Diamond, Drilling, Geochemistry, Geology, Geophysics, Gnd magnetic, Logs, Metallic minerals, Misc and Fuels, Percussion, Petrology, Soil (A,B,C horiz), Surface mapping, Whole-rock:Major
Minerals	Base Metals, Iron, Magnetite, Tin
Deposits	
Keywords	Dial Range Trough(S), Replacement Mineralisation
Annotation	Follow-up of airborne magnetic anomalies failed to delineate anomalies worthy of further exploration. At Venture 5 high geochemical values indicate a southward extension of the Dial Mine mineralised zone, but these have no genetic relation with the cause of the magnetic anomaly. A review of exploration activity is recommended.
Report	83_2040
Date	1/09/1983
Authors(s)	Ruxton, P.A.
Title	E.L. 8/77 - Riana, Progress Report on Exploration During the Period 2/7/82 to 1/9/83.
Company(s)	Commonwealth Aluminium Corporation Limited, The Shell Company of Australia Limited
Tenement(s)	EL8/1977
Physical Description	2 volumes 9PP, 8 APPX, 2 TABLES, 11 FIG, 35 PLANS
Digital Media	
Other Ref.	8.2061
Map (250K)	SK55-3 BURNIE
Map (50/100K)	80151 Burnie, 80152 Loongana, 81153 Wilmot, 81154 Ulverstone
Geographic	Castra Rivulet, Cuprona, Gunns Plains, Laurel Creek, Loyetea Peak, Midgleys Falls, Natone, Penguin, Riana
Activities	Air electromag, Air magnetic, Air radiometric, Analysis, Diamond, Drilling, Geochemistry, Geology, Geophysics, Gnd electromag, Gnd magnetic, Gravity, Logs, Metallic minerals, Misc and Fuels, Percussion, Petrology, Resistivity, Rock-chip, Soil (A,B,C horiz), Surface mapping, Well-logging
Minerals	Base Metals, Gold, Iron, Magnetite, Pyrrhotite, Tin, Tungsten
Deposits	Natone
Keywords	Downhole IP-Resistivity, Gordon Limestone(S), Housetop Granite(S), INPUT-EM, Max-Min-EM, Oonah Formation(S), Skarn, VLF-EM
Annotation	Ground follow-up of eight aeromagnetic and four INPUT anomalies continued with gridding, ground magnetics and surface EM and IP techniques where warranted. Of particular interest are aeromag, INPUT and gravity

anomalies in close proximity to the centre of an Ordovician synclorium which may contain Gordon Limestone beneath basalt cover. Drilling at Natone intersected skarn with low Sn, WO₃ and Au assays.

Report	83_2045
Date	1/09/1983
Authors(s)	Buchhorn, I.J., Lawton, J.J., Oakes, G.F., Wright, R.G.
Title	E.L. 36/79 - Loongana, Progress Report on Exploration for the Period 1st May, 1980-30th June, 1983.
Company(s)	The Shell Company of Australia Limited
Tenement(s)	EL36/1979
Physical Description	3 volumes 19PP, 7 APPX, 22 FIG, 59 PLANS,
Digital Media	
Other Ref.	8.1266
Map (250K)	SK55-3 BURNIE
Map (50/100K)	80152 Loongana, 80153 Waratah
Geographic	Blythe River, Dempster Creek, Guildford, Loongana, Loongana Range, Tulip-Tree Creek
Activities	Air electromag, Air magnetic, Analysis, Diamond, Drilling, EIP/MIP, Geochemistry, Geology, Geophysics, Gnd electromag, Gnd magnetic, Logs, Metallic minerals, Misc and Fuels, Petrology, Resistivity, Rock-chip, Soil (A,B,C horiz), Surface mapping, Well-logging
Minerals	Base Metals, Cassiterite, Iron, Magnetite, Pyrite, Scheelite, Tin, Tungsten
Deposits	Blythe R, Challenger Anomalies, Tulip Ck
Keywords	Felsic Volcanics, Gordon Limestone(S), Husetop Granite(S), INPUT-EM, Max-Min-EM, Replacement Mineralisation, Skarn, VLF-EM
Annotation	Follow-up of aeromagnetic and EM surveys failed to locate zones of economic interest. Further work is required to evaluate the potential of the challenger ii prospect.
Report	87_2660
Date	1/04/1987
Authors(s)	Von Strokirch, T.
Title	EI 7/74 Moina Report on Areas Relinquished on 18 July, 1987.
Company(s)	Billiton Australia, CRA Exploration Proprietary Limited, Comalco Limited, The Shell Company of Australia Limited
Tenement(s)	EL7/1974
Physical Description	2 volumes 29PP, 5 APPX, 32 PLANS,
Digital Media	
Other Ref.	14474,
Map (250K)	SK55-3 BURNIE
Map (50/100K)	80152 Loongana
Geographic	Bull Creek, Lorinna, Moina, Mt Jacob, Smiths Plains, Tin Spur

Activities Air magnetic, Analysis, Diamond, Drilling, Geochemistry, Geology, Geophysics, Gnd electromag, Gnd magnetic, Metallic minerals, Misc and Fuels, Percussion, Petrology, Soil (A,B,C horiz), Stream sediment, Surface mapping
Minerals
Deposits Base Metals, Gold, Tin
Keywords Tin Spur
Annotation Gordon Limestone(S), Mt Read Volcanics(Sc), Owen Conglomerate(S), UTEM
 A number of stream sediment and aeromagnetic anomalies have been followed up in the search of skarn related deposits. No significant resources have been located on the ground and therefore some areas are relinquished

Report 86_2539
Date 1/04/1986
Authors(s) Caithness, S.J.
Title Loongana EL 36/79, Report on Exploration for 12 Months to 1st April 1986.
Company(s) Billiton Australia, CRA Exploration Proprietary Limited, The Shell Company of Australia Limited
Tenement(s) EL36/1979
Physical Description 1 volumes 9PP, 4 APPX, 10 FIG,
Digital Media
Other Ref. 13863
Map (250K) SK55-3 BURNIE
Map (50/100K) 80152 Loongana
Geographic Loongana
Activities Diamond, Drilling, Geochemistry, Logs, Percussion, Stream sediment
Minerals Barite, Barium, Base Metals, Gold
Deposits Challenger Anomalies, Hellyer, Que R, Two Hummocks
Keywords Denison Group(S), Moina Sandstone(S), Mt Read Volcanics(S), Owen Conglomerate(S), UTEM
Annotation A regional drainage geochemical survey has been carried out over the EL. The survey was designed to look for fine gold as a primary target and as a path finder for volcanogenic massive sulphides. Two diamond drill holes were drilled on the Two Hummocks prospect in order to test a UTEM anomaly along strike of a barite occurrence. No mineralisation was intersected.

Report 84_2276
Date 1/10/1984
Authors(s) Oakes, G.F., Wright, R.G.
Title E.L. 4/77 - Highclere. Final Report on Exploration During the Period September, 1982 - May, 1984
Company(s) Billiton Australia, Comalco Limited, The Shell Company of Australia Limited
Tenement(s) EL4/1977
Physical Description 2 volumes VOL 1 = 22PP, 5 APPX, 1 FIG; VOL 2 = 36 PLANS
Digital Media

Other Ref.	8.2493
Map (250K)	SK55-3 BURNIE
Map (50/100K)	80151 Burnie, 80152 Loongana, 80153 Waratah, 80154 Yolla
Geographic	Hampshire, Highclere, Lake Kara, Ridgley, St Valentines Peak
Activities	Air electromag, Air magnetic, Diamond, Drilling, EIP/MIP, Geochemistry, Geology, Geophysics, Gnd electromag, Gnd magnetic, Logs, Misc and Fuels, Percussion, Petrology, Resistivity, Soil (A,B,C horiz), Surface mapping
Minerals	Iron, Magnetite, Tin, Tungsten
Deposits	Buckby, Cranes, Highclere
Keywords	Burnie Formation(S), Gordon Limestone(S), Greisen, Housetop Granite(S), INPUT-EM, Max-Min-EM, Metasomatism, Replacement Mineralisation, Skarn, VLF-EM
Annotation	Follow-up of 10 INPUT anomalies showed that most are related to conductive layers within or at the base of a thick Tertiary basalt cover. The Highclere magnetite skarn and a carbonaceous shale also produced INPUT anomalies. The greisen tin potential of the Cranes Prospect - Lake Kara area is considered to be very limited. Relinquishment is recommended. Note: appx. 1 is a portion of Geoterrex report 83-548.
Report	77_1213
Date	1/05/1977
Authors(s)	Chapman, J.R., Scott, T.B.
Title	Progress Report to 30 April, 1977 Exploration Licence No. 24/73, Dial Range Project - Tasmania.
Company(s)	Pennzoil of Australia Limited
Tenement(s)	EL24/1973
Physical Description	1 volumes 11PP, 1 FIG, 7 PLANS,
Digital Media	
Other Ref.	
Map (250K)	SK55-3 BURNIE
Map (50/100K)	81154 Ulverstone
Geographic	Adit Creek, Allison Creek, Dial Range, Hardstaff Creek, Revell Creek, Walloa Creek, Whisky Creek
Activities	Analysis, Diamond, Drilling, EIP/MIP, Geochemistry, Geophysics, Logs, Metallic minerals, Misc and Fuels, Ore Genesis, Resistivity, Soil (A,B,C horiz)
Minerals	Base Metals, Chalcocite, Chalcopyrite, Copper, Pyrite
Deposits	Dial, Russell
Keywords	Dial Range Trough(S), Felsic Volcanics, Gossan, Stratigraphy, Vein Mineralisation, Volcanic Hosted Mineralisation
Annotation	Drilling has shown that the environment on the Dial Mine grid, in which extensive gossanous pyroclastics occur, is a large pyritised volcanoclastic/ sediment sequence probably near a vent but too unstable to allow accumulation of an extensive sulphide body. However, DDH4 indicated the presence of a favourable environment for economic sulphide deposition near the old Dial Mine adit and further work is recommended.

Geochemical and geophysical surveys in the Whiskey Ck, Russells Mine and Lings Farm areas failed to produce encouraging results and no further work is recommended.

Report 81_1591
Date 1/05/1981
Authors(s) Large, R.R.
Title Progress Report - E.L. 24/73 Dial Range - 1980 Field Season
Company(s) Duval Mining (Australia) Limited, Geopeko Limited
Tenement(s) EL24/1973
Physical Description 1 volumes 18PP, 4 APPX, 7 FIG, 9 PLANS,
Digital Media
Other Ref.
Map (250K) SK55-3 BURNIE
Map (50/100K) 81154 Ulverstone
Geographic Dial Range, Revell Creek
Activities Analysis, Diamond, Drilling, Geochemistry, Logs, Metallic minerals, Misc and Fuels, Petrology, Stream sediment
Minerals Base Metals, Chalcocite, Copper, Pyrite, Tin
Deposits Dial
Keywords Dial Range Trough(S), Felsic Volcanics
Annotation Diamond drilling on the Dial Mine grid intersected a sequence of calcareous and dolomitic sediments and breccias favourable for Sn mineralisation, but only minor Sn grades were encountered. Cu mineralisation was intersected in one drill hole grading 0.68% Cu over 20 m. The form of the Cu mineralisation suggests a sedimentary/diagenetic origin, while the Sn mineralisation in the sedimentary breccias is considered to be of hydrothermal replacement origin, possibly related to emplacement of Devonian granite at depth.

Report 84_2149
Date 1/06/1984
Authors(s) Sumpton, J.D.H., Turley, S.D.
Title 1983/84 Annual Report E.L. 24/73, Follow-up of Aeromagnetic Survey of the Dial Range Trough.
Company(s) Duval Mining (Australia) Limited, Geopeko Limited
Tenement(s) EL24/1973
Physical Description 1 volumes 20PP, 4 APPX, 4 PLANS,
Digital Media
Other Ref.
Map (250K) SK55-3 BURNIE

Map (50/100K)
Geographic
Activities

80151 Burnie, 81154 Ulverstone
Dial Range, Hardstaff Creek, Leven River
Air magnetic, Analysis, Diamond, Drilling, Geochemistry, Geology, Geophysics, Gnd magnetic, Logs, Metallic minerals, Misc and Fuels, Percussion, Petrology, Soil (A,B,C horiz), Surface mapping, Whole-rock: Major Base Metals, Iron, Magnetite, Tin

Minerals
Deposits
Keywords
Annotation

Dial Range Trough(S), Replacement Mineralisation
Follow-up of airborne magnetic anomalies failed to delineate anomalies worthy of further exploration. At Venture 5 high geochemical values indicate a southward extension of the Dial Mine mineralised zone, but these have no genetic relation with the cause of the magnetic anomaly. A review of exploration activity is recommended

Report
Date
Authors(s)
Title
Company(s)
Tenement(s)
Physical Description
Digital Media
Other Ref.
Map (250K)
Map (50/100K)
Geographic
Activities
Minerals
Deposits
Keywords
Annotation

UR1980_15
4/06/1980
Matthews, W.L.
Subsurface Investigations at the Guide River Dam Site.

1 volumes 12PP, 5APPX, 3TABLES, 12FIG

SK55-3 BURNIE
80151 Burnie
Guide River
Auger, Diamond, Drilling, Engineer. Geol, Geology, Geophysics, Logs, Site investigations, Slope stability
Clay

Burnie Formation(S), Cretaceous-Quaternary, Dam Site, Foundations, Material Properties, Permeability
Subsurface investigations at the proposed Guide River dam site have shown that weathered basalt with some unweathered basalt overlies Precambrian mudstone and sandstone. Substantial leakage problems with pump testing suggest special measures will need to be taken to seal the dam. The rock types in the area show relatively high shear strength and although conditions are less than ideal, a dam could be safely built. A rock fill construction with a clay core would be most practical, however suitability of local materials should be further tested.

Report
Date
Authors(s)

89_3025
1/09/1989
Whitehead, C.H.

Title Exploration Licence 17/68, Kara-Hampshire, N.W. Tasmania, Annual Report, 4th November, 1988 to 4th November, 1989

Company(s) Tasmania Mines Limited, Tasmania Mines NL

Tenement(s) 1371P/M, EL17/1968

Physical Description 1 volumes 7PP, 3 APPX, 5 PLANS,

Digital Media

Other Ref.

Map (250K) SK55-3 BURNIE

Map (50/100K) 80152 Loongana

Geographic Emu River, Hampshire

Activities Analysis, Drilling, Geochemistry, Geology, Geophysics, Gnd magnetic, Logs, Metallic minerals, Percussion, Rock-chip, Surface mapping

Minerals Gold, Iron, Magnetite, Scheelite, Silver, Tungsten, Wollastonite

Deposits Hampshire Iron, Hampshire Silver, Kara

Keywords Gordon Limestone(S), Replacement Mineralisation, Skarn

Annotation A summary of on-going investigations into the magnetite, scheelite, wollastonite, silver and gold potential of the licence. Rock-chip sampling of skarns produced low tenor results for gold (up to 0.12 g/t) and silver (up to 21 g/t).

Report 88_2759

Date 1/11/1986

Authors(s) Whitehead, C.H.

Title Exploration Licence 17/68 Annual Report November 4th 1985 - November 3rd 1986

Company(s) Tasmania Mines Limited, Tasmania Mines NL

Tenement(s) EL17/1968

Physical Description 2 volumes A23PP, 11 APPX, 18 PLANS,

Digital Media

Other Ref.

Map (250K) SK55-3 BURNIE

Map (50/100K) 80152 Loongana

Geographic Hampshire

Activities Analysis, Bed-rock, Diamond, Drilling, Geochemistry, Geology, Geophysics, Gnd magnetic, Indust. Minerals, Logs, Metallic minerals, Mineral Process., Mining, Misc and Fuels, Ore Reserves, Soil (A,B,C horiz), Stream sediment, Surface mapping

Minerals Iron, Magnetite, Scheelite, Tungsten, Wollastonite

Deposits Kara

Keywords Gordon Limestone(S), Replacement Mineralisation, Skarn

Annotation

A summary of on-going exploration. A new area of tungsten mineralisation is identified along the eastern limb of the Kara synform. Open-cuttable scheelite reserves increased in the Kara South-Eastern Ridge areas.

Appendix 2 – Metadata for Attachments

Metadata for Attachment 1 – Diamond Core Drill Log for KND003

Tenement Holder: Red River Resources Ltd (Managed by Iron Mountain Mining Ltd)

Tenement Name: Hampshire 2, EL 18/2007

Activity which produced data: Diamond Core Drilling

Location of data: Attachment 1, BLYTHE_200911_02_KND003log.pdf

Date: 01/05/2009

Parameters controlling data acquisition: N/A

Contractor producing data: EDrill Pty Ltd

Translation parameters required for conversion of data: N/A

Equipment used to generate data: Atlasco Diamond Core Drill Rig

Definition of codes: N/A

Metadata for Attachment 2 – Diamond Core Drill Log for KND004

Tenement Holder: Red River Resources Ltd (Managed by Iron Mountain Mining Ltd)

Tenement Name: Hampshire 2, EL 18/2007

Activity which produced data: Diamond Core Drilling

Location of data: Attachment 2, BLYTHE_200911_03_KND004log.pdf

Date: 24/05/2009

Parameters controlling data acquisition: N/A

Contractor producing data: EDrill Pty Ltd

Translation parameters required for conversion of data: N/A

Equipment used to generate data: Atlasco Diamond Core Drill Rig

Definition of codes: N/A

Metadata for Attachment 3 – Diamond Core Drill Log for QD001

Tenement Holder: Red River Resources Ltd (Managed by Iron Mountain Mining Ltd)

Tenement Name: Hampshire 2, EL 18/2007

Activity which produced data: Diamond Core Drilling

Location of data: Attachment 3, BLYTHE_200911_04_QD001log.pdf

Date: 23/04/2009

Parameters controlling data acquisition: N/A

Contractor producing data: EDrill Pty Ltd

Translation parameters required for conversion of data: N/A

Equipment used to generate data: Atlasco Diamond Core Drill Rig

Definition of codes: N/A

Metadata for Attachment 4 – Diamond Core Drill Log for QD002

Tenement Holder: Red River Resources Ltd (Managed by Iron Mountain Mining Ltd)

Tenement Name: Hampshire 2, EL 18/2007

Activity which produced data: Diamond Core Drilling

Location of data: Attachment 4, BLYTHE_200911_05_QD002log.pdf

Date: 10/05/2009

Parameters controlling data acquisition: N/A

Contractor producing data: EDrill Pty Ltd

Translation parameters required for conversion of data: N/A

Equipment used to generate data: Atlasco Diamond Core Drill Rig

Definition of codes: N/A

Metadata for Attachment 7 – KND003 and KND004 Assay Results

Tenement Holder: Red River Resources Ltd (Managed by Iron Mountain Mining Ltd)

Tenement Name: Hampshire 2, EL 18/2007

Activity which produced data: Diamond Core Drilling

Location of data: Attachment 7, BLYTHE_200911_08_KND003_KND004assays.txt

Date: May 2009

Parameters controlling data acquisition: N/A

Contractor producing data: EDrill Pty Ltd (drilling), Burnie Lab (analyses)

Translation parameters required for conversion of data: N/A

Equipment used to generate data: Atlasco Diamond Core Drill Rig, AAS and XRF

Definition of codes: N/A

Metadata for Attachment 8 – Diamond Drill Hole Details

Tenement Holder: Red River Resources Ltd (Managed by Iron Mountain Mining Ltd)

Tenement Name: Hampshire 2, EL 18/2007

Activity which produced data: Diamond Core Drilling

Location of data: Attachment 8, BLYTHE_200911_09_diamonddrilldetails.txt

Date: April – May 2009

Parameters controlling data acquisition: N/A

Contractor producing data: EDrill Pty Ltd

Translation parameters required for conversion of data: N/A

Equipment used to generate data: Atlasco Diamond Core Drill Rig

Definition of codes: Self-explanatory

Metadata for Attachment 9 – Diamond Drill Hole Collar Surveys

Tenement Holder: Red River Resources Ltd (Managed by Iron Mountain Mining Ltd)

Tenement Name: Hampshire 2, EL 18/2007

Activity which produced data: Diamond Core Drilling

Location of data: Attachment 9, BLYTHE_200911_10_diamondcollsvy.txt

Date: April – May 2009

Parameters controlling data acquisition: N/A

Contractor producing data: EDrill Pty Ltd

Translation parameters required for conversion of data: N/A

Equipment used to generate data: Atlasco Diamond Core Drill Rig

Definition of codes:	SITE_ID	Drill hole
	EAST_MGA	Easting
	NORTH_MGA	Northing
	RL	Height above sea level in metres
	SVY_DEPTH	Survey depth in metres
	AZ_REF	Azimuth reference
	MAG	Magnetic North
	CO	Azimuth measured from rig set up
	MAG_INFLU	Magnetic influence
	MT	Magnetite
	RELIABIL	Reliability (0 = Unknown, 1 = Poor Reliability, 2 = Medium Reliability, 3 = High Reliability)
	IRM	Iron Mountain Mining Ltd
	RVR	Red River Resources Ltd