



**Blythe Project, Northern Tasmania
Annual Report for EL 18/2007 (“Hampshire 2”)**

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Executive Summary

Exploration work for the Permit Year ending 10 July 2009 was focused on the **Kara North Prospect** and included 51 RC holes for a total of 2204 m, and 2 diamond drill holes totalling 247.4 m. Extensive magnetite/tin mineralisation was encountered over a zone 900 m long by up to 400 m wide. **Table 1** summarises the intersections of Fe from the magnetite-bearing zones and **Table 2** details the tin intersections.

A diamond drill hole tested magnetite mineralisation at the **Button Grass Prospect** at a location 900 m south of the **Kara North Prospect**. This hole intersected magnetite/tin mineralisation with associated anomalous Pb/Zn geochemistry. In all, mineralisation at **Kara North** and **Button Grass** extends over a total strike length of 1500 m and displays distinct polymetallism.

Regionally, the mineralisation is adjacent to a northeasterly-trending aeromagnetic linear which possibly acted as a major fluid flow system during the emplacement of the Housetop Granite during the Late Devonian.

Drill Hole Number	Easting	Northing	Azimuth	Dip (°)	Intersection			
					From (m)	To (m)	Thickness (m)	Grade (Fe %)
KNRC001	402841	5425897	0	-90	0	2	2	35.6
KNRC002	402793	5425899	0	-90	0	43	43	41.4
KNRC003	402761	5425902	0	-90	0	3	3	31.7
KNRC003	402761	5425902	0	-90	7	37	30	27.3
KNRC003	402761	5425902	0	-90	44	49	5	30.9
KNRC004	402728	5425892	0	-90	0	6	6	33.3
KNRC006	402803	5425797	0	-90	8	14	6	30.2
KNRC007	402760	5425798	0	-90	0	42	42	53
KNRC008	402720	5425798	0	-90	21	50	50	32.3
KNRC008	402720	5425798	0	-90	64	90	26	32.3
KNRC012	402651	5425712	0	-90	0	15	15	41.5
KNRC014	402733	5425723	0	-90	27	37	10	32.2
KNRC014	402733	5425723	0	-90	42	57	15	37.1
KNRC015	402769	5425732	0	-90	6	34	28	36.5
KNRC016	402818	5425720	0	-90	0	10	10	42.4
KNRC016	402818	5425720	0	-90	16	25	9	23.7
KNRC017	402707	5425654	0	-90	0	3	3	38.3
KNRC017	402707	5425654	0	-90	14	34	20	31.5
KNRC017	402707	5425654	0	-90	59	71	12	27
KNRC018	402742	5425664	0	-90	22	48	26	28.1
KNRC019	402786	5425671	0	-90	17	24	7	30.5

KNRC020	402819	5425654	0	-90	1	34	34	29.6
KNRC20B	402850	5425616	0	-90	0	6	6	38.7
KNRC021	402580	5425582	0	-90	0	31	31	34.5
KNRC021	402580	5425582	0	-90	34	38	4	23.5
KNRC021	402580	5425582	0	-90	59	79	20	28.1
KNRC023	402660	5425582	0	-90	14	66	52	30.6
KNRC026	402781	5425582	0	-90	20	47	27	38.7
KNRC026	402781	5425582	0	-90	50	65	15	26.8
KNRC027	402821	5425578	0	-90	0	33	33	34.1
KNRC029	402881	5425501	0	-90	0	5	5	35.3
KNRC030	402843	5425499	0	-90	0	35	35	33.2
KNRC031	402799	5425502	0	-90	15	37	22	26.8
KNRC031	402799	5425502	0	-90	41	60	19	31.8
KNRC033	402840	5425420	0	-90	15	55	55	39.9
KNRC033a	402804	5425420	0	-90	37	57	20	30.6
KNRC033a	402804	5425420	0	-90	61	74	13	31.6
KNRC035	402902	5425407	0	-90	0	29	29	45.9
KNRC035a	402870	5425293	0	-90	0	3	3	44.2
KNRC036	402559	5425502	0	-90	21	55	34	34
KNRC037	402598	5425496	0	-90	0	100	100	38.3
KNRC038	402632	5425506	0	-90	52	70	18	22.7
KNRC043	402507	5425436	0	-90	0	3	3	27.3
KNRC043	402507	5425436	0	-90	25	66	41	28.2
KNRC044	402785	5426029	0	-90	0	18	18	30.3
KNRC045	402839	5426017	0	-90	0	10	10	45.6
KNRC046	402857	5426046	0	-90	0	4	4	48.7
KNRC047	402861	5426096	0	-90	0	8	8	35.5
KNRC049	402834	5425196	0	-90	0	10	10	58.1
KNRC050	402877	5425174	0	-90	0	5	5	32.2
KND001	402525	5425506	110	-60	7	68	61	28.52
KND001	402525	5425506	110	-60	77	84	7	29.75
KND001	402525	5425506	110	-60	93	95	2	41
KND001	402525	5425506	110	-60	101	103	2	29.55
KND001	402525	5425506	110	-60	114	136.4	32.4	34.1
KND002	402727	5425892	110	-60	11.5	76.2	64.7	41.7

Table 1 - Significant Fe Intersections in Kara North Prospect

Drill Hole Number	Easting	Northing	Azimuth	Dip (°)	Intersection			
					From (m)	To (m)	Thickness (m)	Grade (Sn %)
KNRC001	402841	5425897	0	-90	0	2	2	0.1
KNRC002	402793	5425899	0	-90	0	13	13	0.13
KNRC002	402793	5425899	0	-90	18	24	6	0.11
KNRC003	402761	5425902	0	-90	0	3	3	0.37
KNRC003	402761	5425902	0	-90	16	26	10	0.15
KNRC003	402761	5425902	0	-90	29	33	4	0.1
KNRC003	402761	5425902	0	-90	44	46	2	0.11
KNRC004	402728	5425892	0	-90	2	13	11	0.12
KNRC005	402839	5425788	0	-90	0	15	15	0.15
KNRC006	402803	5425797	0	-90	0	5	5	0.15
KNRC008	402720	5425798	0	-90	0	17	17	0.18
KNRC008	402720	5425798	0	-90	47	67	20	0.18
KNRC008	402720	5425798	0	-90	75	84	9	0.1
KNRC010	402618	5425658	0	-90	0	16	16	0.32
KNRC010	402618	5425658	0	-90	36	39	3	0.11
KNRC011	402658	5425658	0	-90	30	33	3	0.14
KNRC012	402651	5425712	0	-90	0	15	15	0.21
KNRC013	402699	5425718	0	-90	21	40	19	0.17
KNRC014	402733	5425723	0	-90	18	22	4	0.12
KNRC014	402733	5425723	0	-90	25	28	3	0.13
KNRC014	402733	5425723	0	-90	30	33	3	0.11
KNRC015	402769	5425732	0	-90	6	9	3	0.16
KNRC015	402769	5425732	0	-90	16	20	4	0.15
KNRC017	402707	5425654	0	-90	0	3	3	0.14
KNRC017	402707	5425654	0	-90	32	48	16	0.14
KNRC017	402707	5425654	0	-90	57	69	12	0.11
KNRC018	402742	5425664	0	-90	0	3	3	0.12
KNRC018	402742	5425664	0	-90	10	27	17	0.12
KNRC018	402742	5425664	0	-90	44	46	2	0.12
KNRC019	402786	5425671	0	-90	14	18	4	0.13
KNRC020	402819	5425654	0	-90	4	6	2	0.11
KNRC20B	402850	5425616	0	-90	0	3	3	0.13
KNRC021	402580	5425582	0	-90	0	19	9	0.18
KNRC021	402580	5425582	0	-90	29	80	51	0.15
KNRC023	402660	5425582	0	-90	13	23	10	0.16
KNRC023	402660	5425582	0	-90	32	46	14	0.11
KNRC023	402660	5425582	0	-90	63	66	3	0.11
KNRC026	402781	5425582	0	-90	60	65	5	0.1

KNRC027	402821	5425578	0	-90	0	7	7	0.1
KNRC029	402881	5425501	0	-90	3	5	2	0.11
KNRC030	402843	5425499	0	-90	18	24	6	0.14
KNRC033	402840	5425420	0	-90	0	8	8	0.13
KNRC033a	402804	5425420	0	-90	37	41	4	0.12
KNRC035	402902	5425407	0	-90	0	8	8	0.1
KNRC036	402559	5425502	0	-90	21	62	41	0.22
KNRC037	402598	5425496	0	-90	0	3	3	0.13
KNRC037	402598	5425496	0	-90	9	15	6	0.15
KNRC037	402598	5425496	0	-90	24	67	43	0.14
KNRC037	402598	5425496	0	-90	72	84	12	0.1
KNRC037	402598	5425496	0	-90	90	100	10	0.1
KNRC038	402632	5425506	0	-90	35	70	35	0.14
KNRC043	402507	5425436	0	-90	0	3	3	0.18
KNRC043	402507	5425436	0	-90	25	65	40	0.19
KNRC044	402785	5426029	0	-90	0	13	13	0.26
KNRC045	402839	5426017	0	-90	3	5	2	0.12
KNRC047	402861	5426096	0	-90	0	2	2	0.14
KNRC052	402851	5425286	0	-90	4	9	5	0.14
KND001	402525	5425506	110	-60	7	68	61	0.17
KND001	402525	5425506	110	-60	73	83	10	0.14
KND001	402525	5425506	110	-60	91	136.4	45.4	0.15
KND002	402727	5425892	110	-60	0	7	7	0.2
KND002	402727	5425892	110	-60	53	71.65	18.6	0.11

Table 2 - Significant Sn Intersections in Kara North Prospect

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ATTACHMENTS

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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.

Exploration Licence EL18/2007 is held in the name of Red River Resources Ltd. It covers an area of 103 km² in northern Tasmania, 30 km south west of Burnie (see **Figure 1**). The tenement is known as *Hampshire 2* (*Hampshire 1*, EL 35/2006 being situated immediately north). This report details exploration on the second permit year of the tenement for the period July 2008 to July 2009. The exploration license was initially granted on 10th July 2007.

Figure 1 on the next page shows a summary map indicating all tenement areas in the Blythe Joint Venture Program.

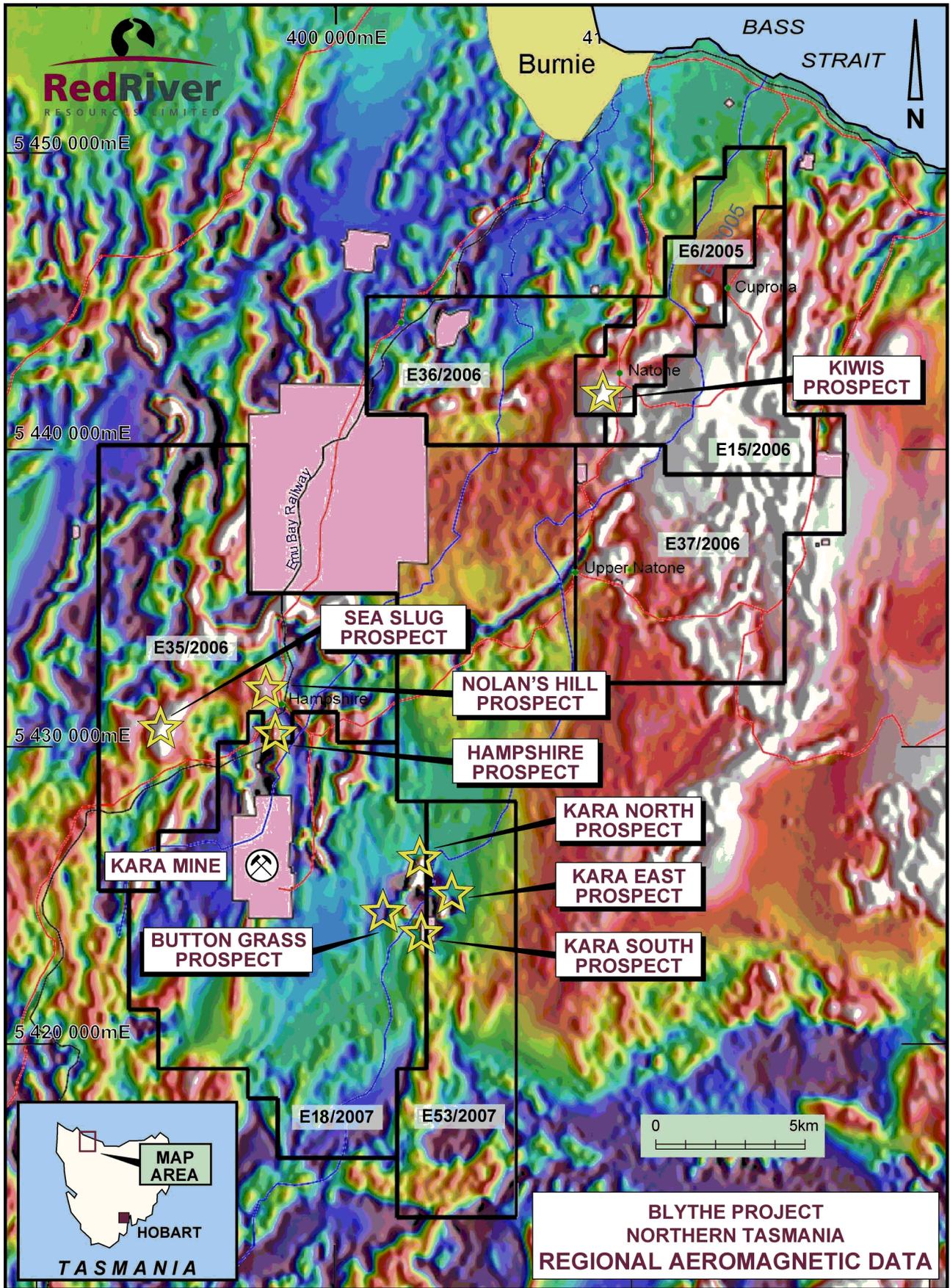


Figure 1 – Blythe Summary Map.

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. The tenement is situated on its western margins of the Housetop Granite.

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

As summarised in the *Abstract* above, work during this period involved:

- Evaluation of past exploration
- Ground magnetics
- Reverse Circulation drilling

- Diamond Core drilling
- Surface sampling (rock chip and auger sampling)

Exploration was completed in two phases: evaluation of past exploration, ground magnetics and RC drilling were completed in the early stages of the permit year (June to September 2008), and diamond drilling and surface sampling were completed in the latter part (March to June 2009).

3.1 Evaluation of Past Exploration

Appendix 1 details previous reports which were evaluated during this stage.

A regional aeromagnetic map, see **Figure 1**, was used to define which areas should be investigated in more detail using ground magnetics. A number of prospects have been identified throughout tenements in the Blythe Joint Venture Program: **Kara North**, **Kara South** and **Button Grass** fall within the *Hampshire 2* tenement. **Figure 2** shows a more detailed aeromagnetic map applicable to this area. The eastern boundary of EL18/2007 is marked by the red line along 403 100 mE.

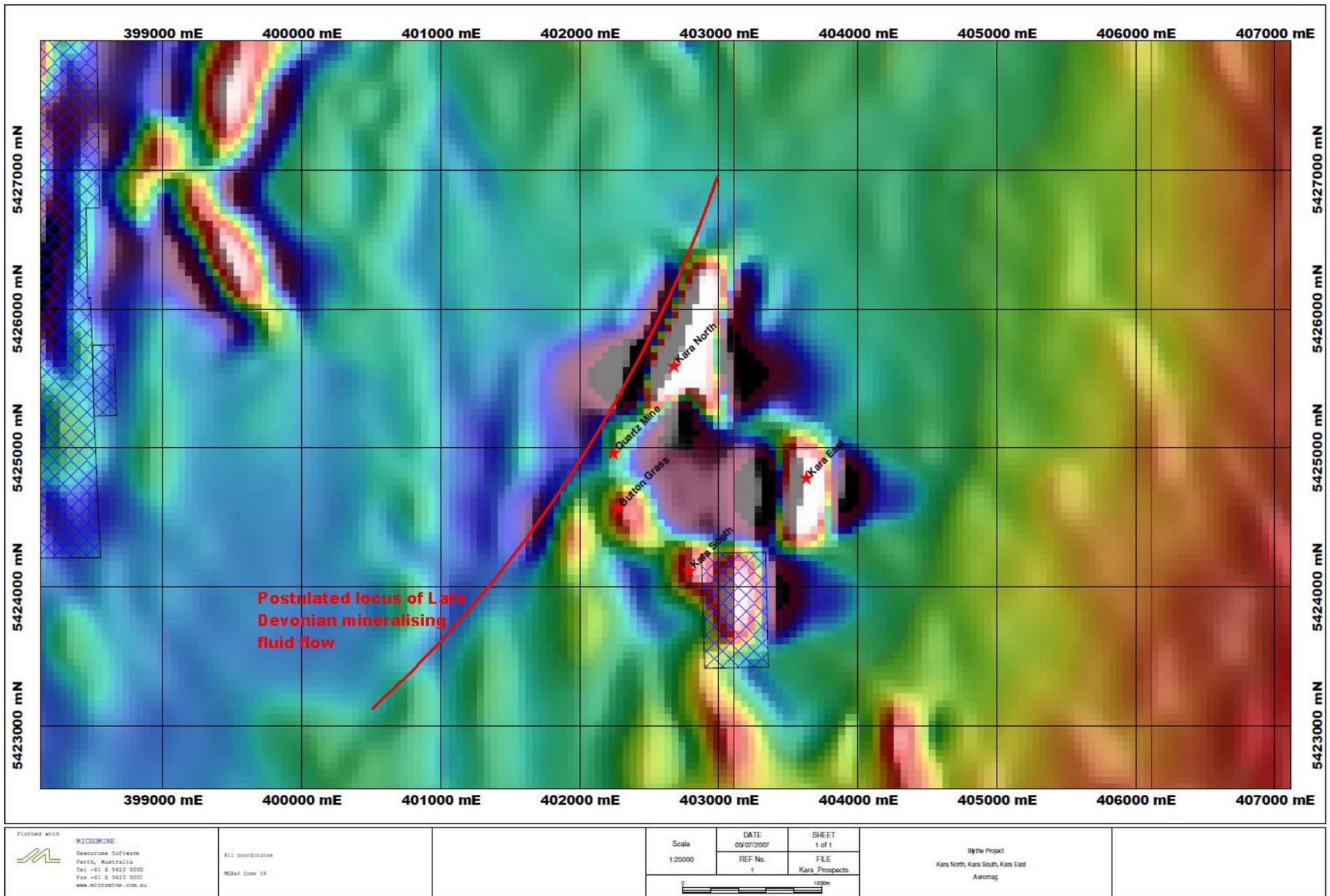


Figure 2 - Close up aeromagnetic map of tenements EL18/2007 and EL53/2007 (*Hampshire 2 and Mount Everett*)

3.2 Ground Magnetics

Detailed ground magnetic surveys were undertaken over a number of prospect areas.

Figures 3, 4 and 5 show the ground magnetic contours of the **Kara North, Kara South** and **Button Grass Prospects** respectively. The locations of these prospects are shown in **Figures 1 and 2**. The ground magnetics were used to plan the location of the RC drill holes.

The raw data for the ground magnetic surveys are provided in **Attachments 1, 2 and 3**.

3.3 Reverse Circulation Drilling

RC drilling was completed over two of the three prospect areas and consisted of 52 holes with a combined depth of 2249 m. The contractor was EDrill Pty Ltd. A summary of each drill hole is given in **Table 3** (the raw data taken directly from the drill logs can be found in **Attachments 4 and 5**). The drill hole locations are also plotted on the ground magnetic maps (**Figures 3 and 4**).

The **Kara North Prospect** (see **Figure 3**) included 51 holes and a total depth of 2204 m. This comprised drill hole numbers KNRC001 to KNRC052. The numbering is not always consecutive, allowing for the omission of some planned holes (see **Table 3**). The **Kara South Prospect** contained 1 hole which was 45 m deep (hole number KSRC001). No RC drilling was undertaken in the **Button Grass Prospect**.

Prospect	Drill Hole Number	Easting (GDA 94)	Northing (GDA 94)	Azimuth	Dip	Depth (m)
Kara North Prospect	KNRC001	402841	5425897	000	-90	0 - 22
	KNRC002	402793	5425899	000	-90	0 - 52
	KNRC003	402761	5425902	000	-90	0 - 64
	KNRC004	402728	5425892	000	-90	0 - 37
	KNRC005	402839	5425788	000	-90	0 - 30
	KNRC006	402803	5425797	000	-90	0 - 34
	KNRC007	402760	5425798	000	-90	0 - 42
	KNRC008	402720	5425798	000	-90	0 - 100
	KNRC009	402615	5425720	000	-90	0 - 15
	KNRC010	402618	5425658	000	-90	0 - 80
	KNRC011	402658	5425658	000	-90	0 - 38
	KNRC012	402651	5425712	000	-90	0 - 20
	KNRC012a	402654	5425714	000	-90	20 - 40
	KNRC013	402699	5425718	000	-90	0 - 46
	KNRC014	402733	5425723	000	-90	0 - 64
	KNRC015	402769	5425732	000	-90	0 - 50
KNRC016	402818	5425720	000	-90	0 - 38	

	KNRC017	402707	5425654	000	-90	0 – 72
	KNRC018	402742	5425664	000	-90	0 – 64
	KNRC019	402786	5425671	000	-90	0 – 58
	KNRC020	402819	5425654	000	-90	0 – 45
	KNRC020a	402851	5425663	000	-90	0 – 15
	KNRC020b	402850	5425616	000	-90	0 – 14
	KNRC021	402580	5425582	000	-90	0 – 80
	KNRC023	402660	5425582	000	-90	0 – 67
	KNRC025	402744	5425589	000	-90	0 – 44
	KNRC026	402781	5425582	000	-90	0 – 76
	KNRC027	402821	5425578	000	-90	0 – 50
	KNRC029	402881	5425501	000	-90	0 – 16
	KNRC030	402843	5425499	000	-90	0 – 46
	KNRC031	402799	5425502	000	-90	0 – 70
	KNRC033	402840	5425420	000	-90	0 – 64
	KNRC033a	402804	5425420	000	-90	0 – 84
	KNRC034	402880	5425425	000	-90	0 – 9
	KNRC035	402902	5425407	000	-90	0 – 40
	KNRC035a	402870	5425293	000	-90	0 – 10
	KNRC036	402559	5425502	000	-90	0 - 70
	KNRC037	402598	5425496	000	-90	0 – 100
	KNRC038	402632	5425506	000	-90	0 – 70
	KNRC039	402529	5425509	000	-90	0 – 10
	KNRC039a	402519	5425509	000	-90	0 – 28
	KNRC043	402507	5425436	000	-90	0 – 70
	KNRC044	402785	5426029	000	-90	0 – 34
	KNRC045	402839	5426017	000	-90	0 - 28
	KNRC046	402857	5426046	000	-90	0 – 10
	KNRC047	402861	5426096	000	-90	0 – 20
	KNRC048	402800	5426104	000	-90	0 - 16
	KNRC049	402834	5425196	000	-90	0 - 22
	KNRC050	402877	5425174	000	-90	0 – 16
	KNRC051	402866	5425257	000	-90	0 – 16
	KNRC052	402851	5425286	000	-90	0 - 16
Kara South Prospect	KSRC001	402806	5424133	140	-60	0 - 45

Table 3 - RC Drilling details from Kara North and Kara South Prospects.

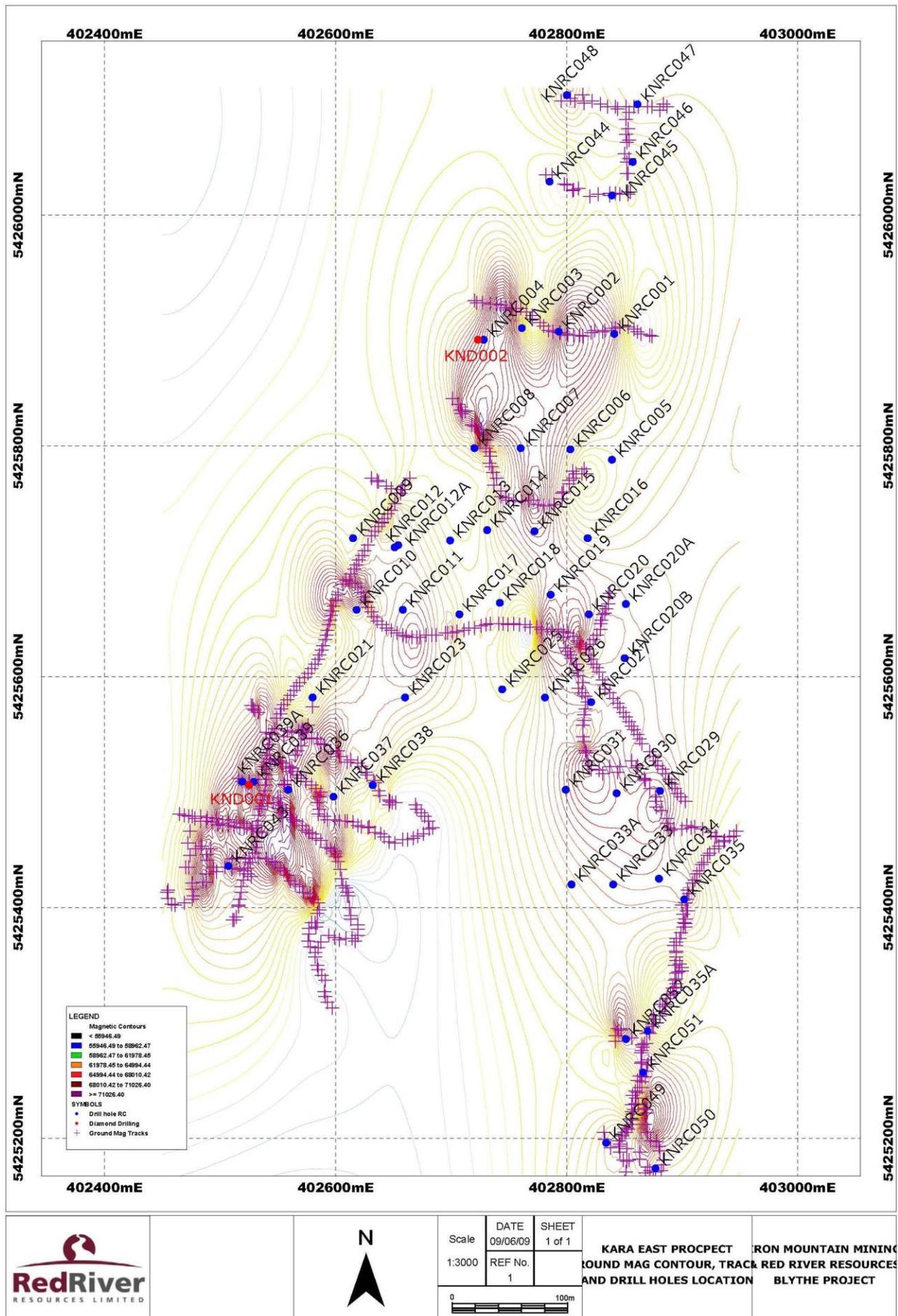


Figure 3 – Kara North Prospect Ground Magnetics and Drill Hole Locations

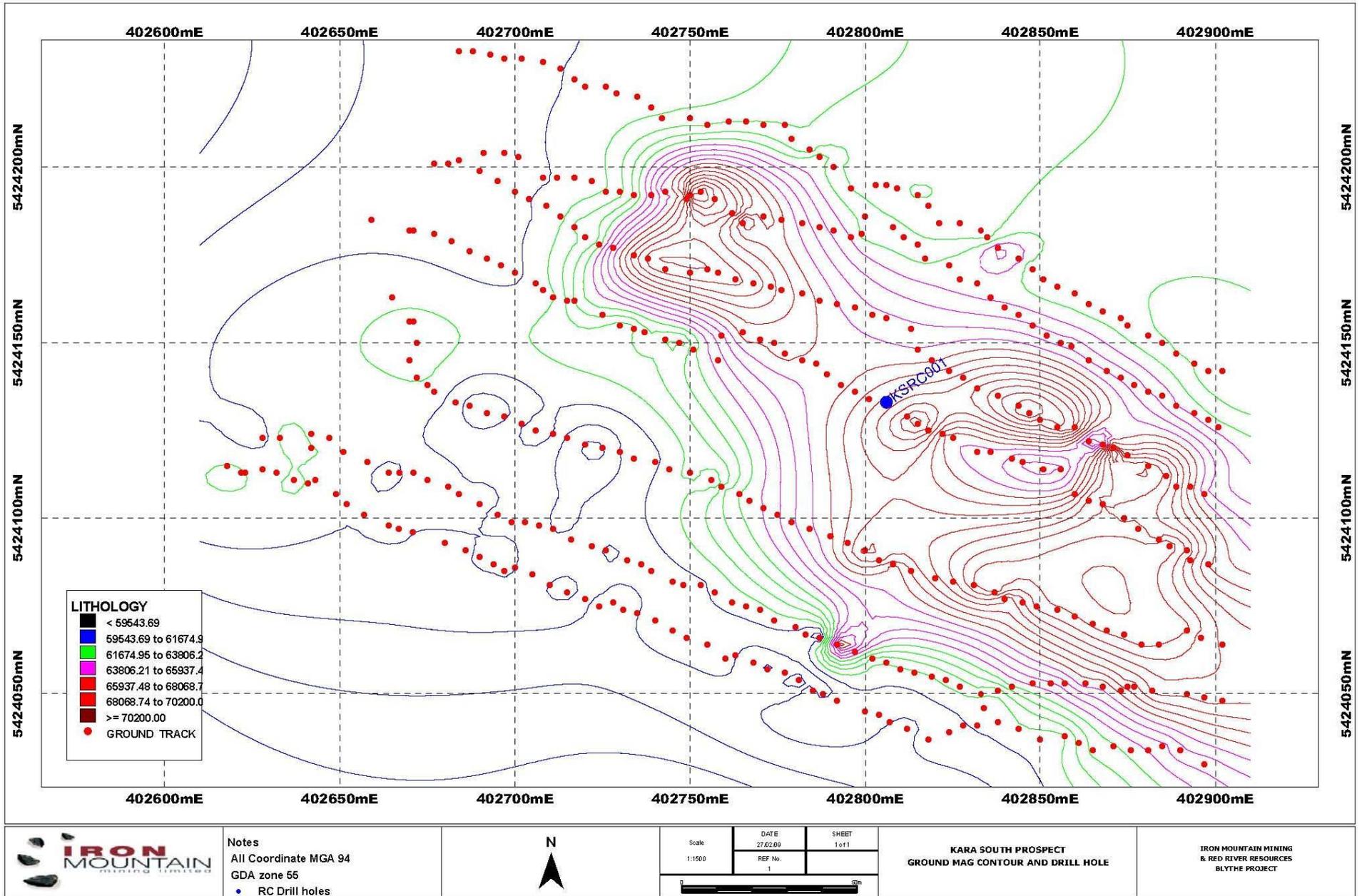


Figure 4 – Kara South Prospect Ground Magnetics and Drill Hole Location

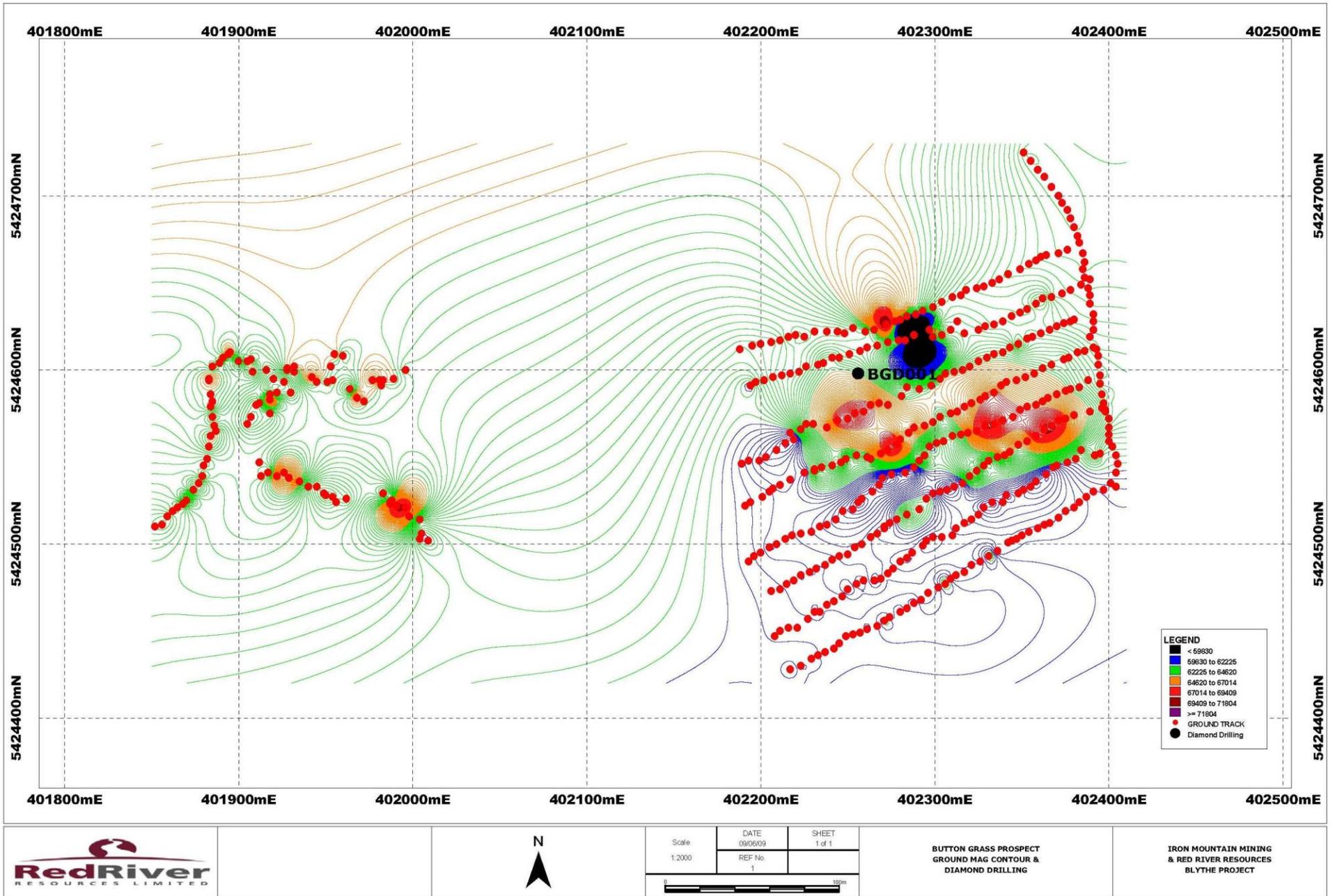


Figure 5 – Button Grass Prospect Ground Magnetics

3.4 Diamond Core Drilling

EDrill Pty Ltd were contracted to drill two diamond core holes in **Kara North Prospect** and one in **Button Grass Prospect**. The total depth was 480.4 m. The drill holes are summarised in **Table 4** below, with the raw data and diamond drill logs given in **Attachments 12 to 20**. The drill hole locations are illustrated in **Figure 6**. No diamond core drilling was undertaken in the **Kara South Prospect**.

Prospect	Drill Hole Number	Easting (GDA 94)	Northing (GDA 94)	Azimuth	Dip	Depth (m)
Kara North	KND001	402525	5425506	110	-60	136.4
	KND002	402723	5425892	110	-60	111.0
Button Grass	BGD001	402256	5424598	130	-60	233.0

Table 4 – Diamond Core Drilling Details

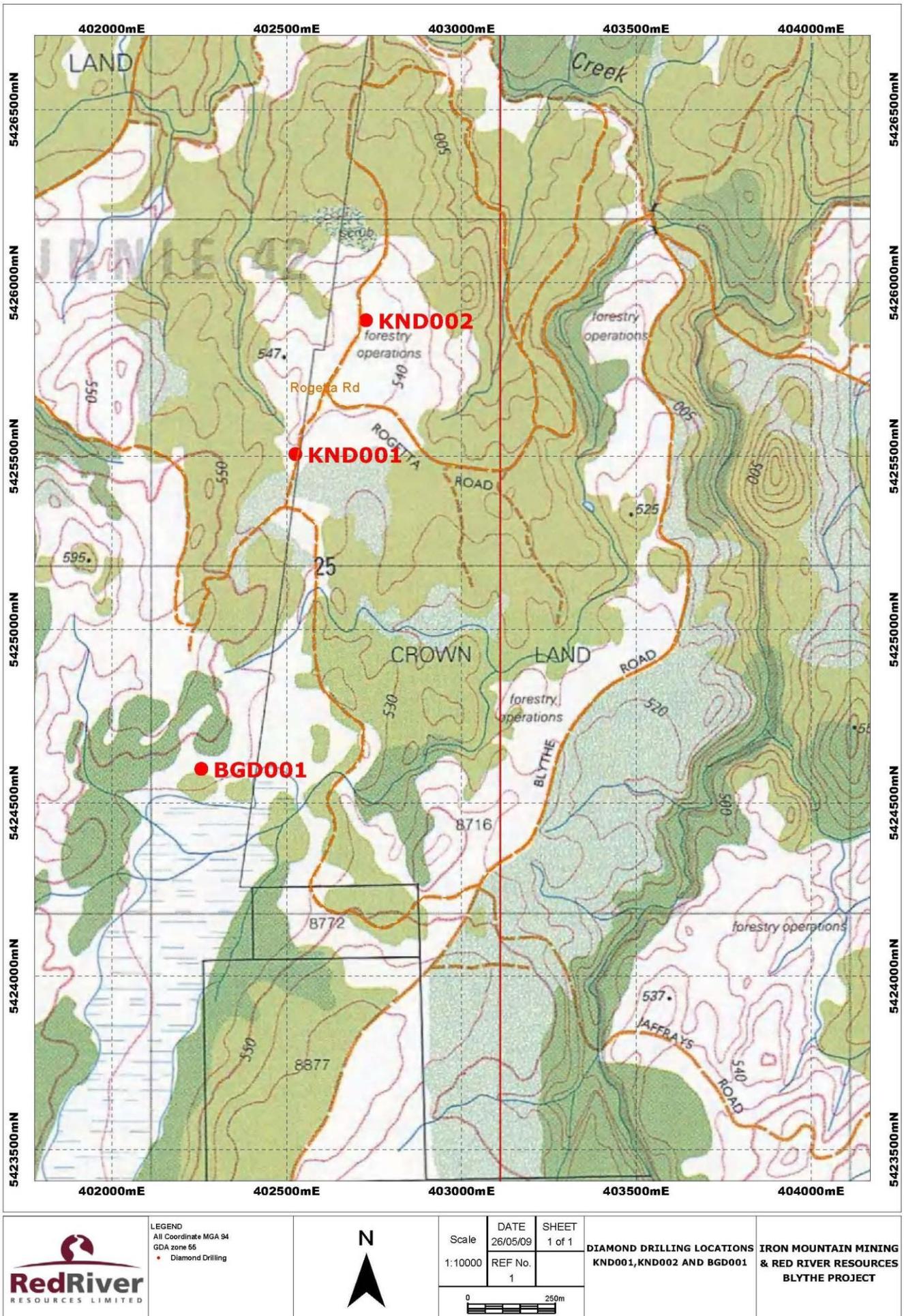
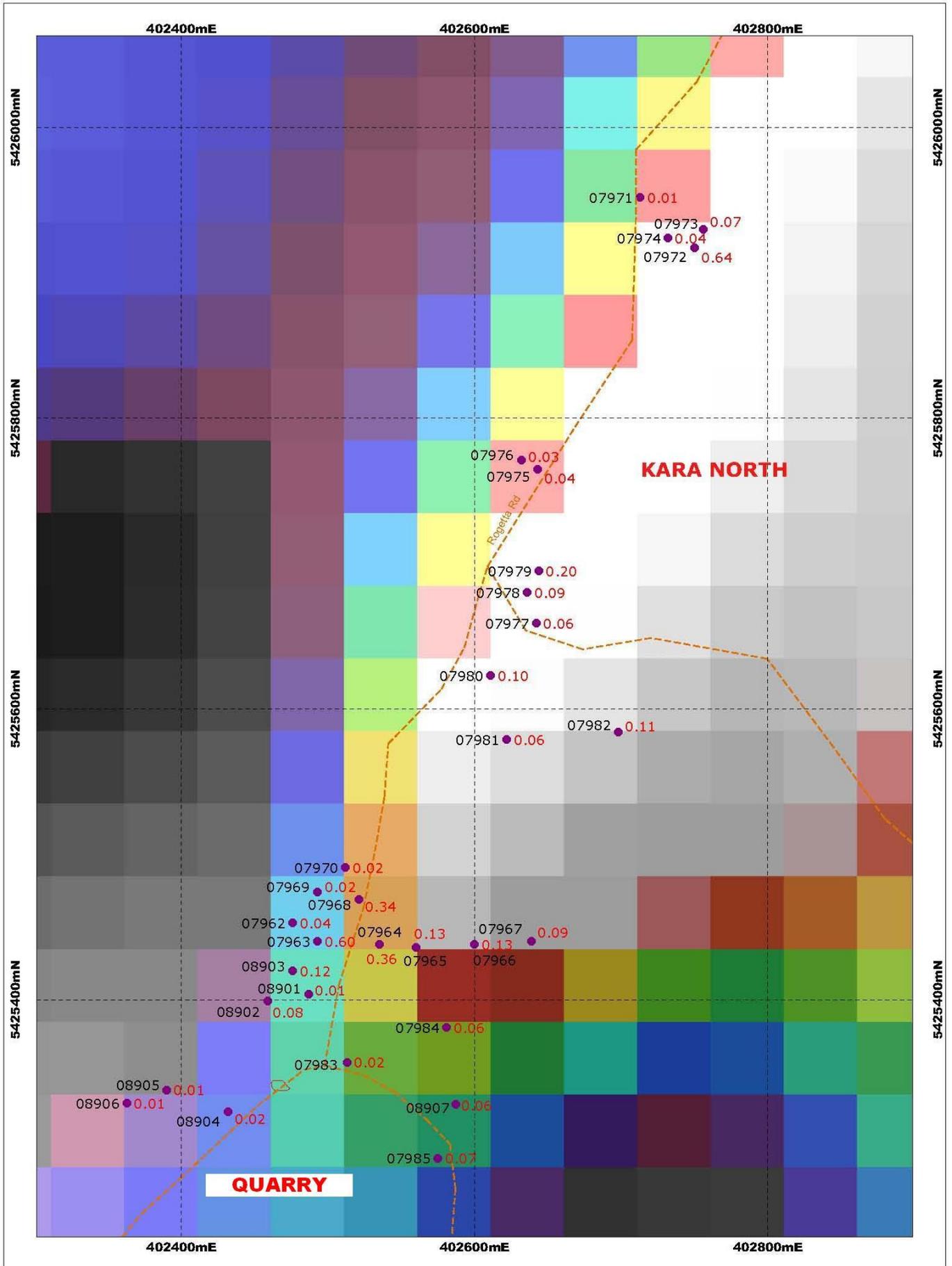


Figure 6 – Diamond Drill Hole Locations

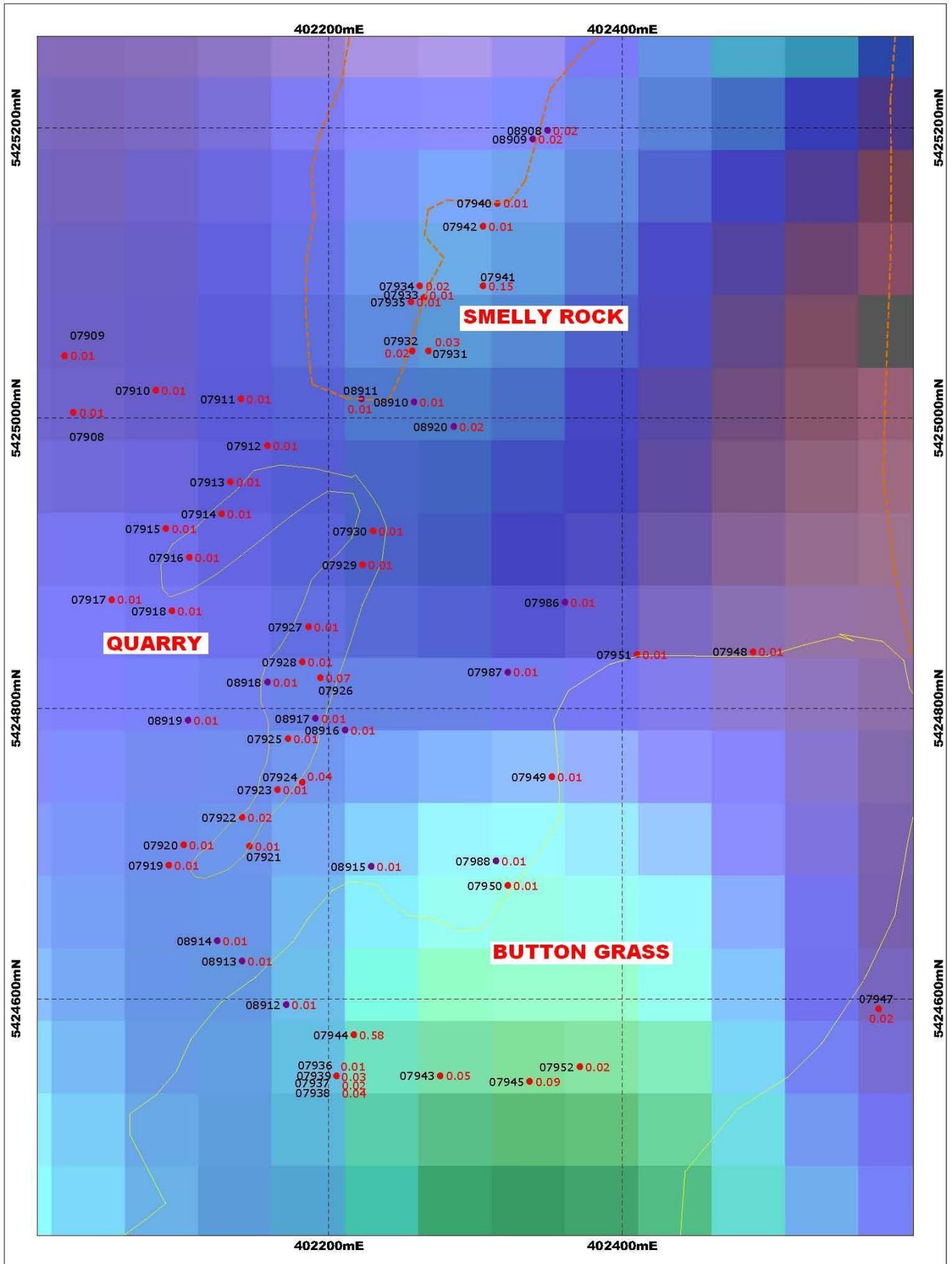
3.5 Surface Sampling

An extensive rock chip and auger sampling program was undertaken to assess the extent of the tin mineralisation zone at the surface (see **5.0 Discussion of Results and Conclusions** below). Rock chip samples were taken in areas of outcrop and auger samples were taken in areas of poor exposure. Sampling was originally planned in a systematic grid layout however this proved impossible as many areas were inaccessible due to thick vegetation. The sampling locations are shown below in **Figures 7 to 9**. Sample numbers are shown in black and Sn % are shown in red.



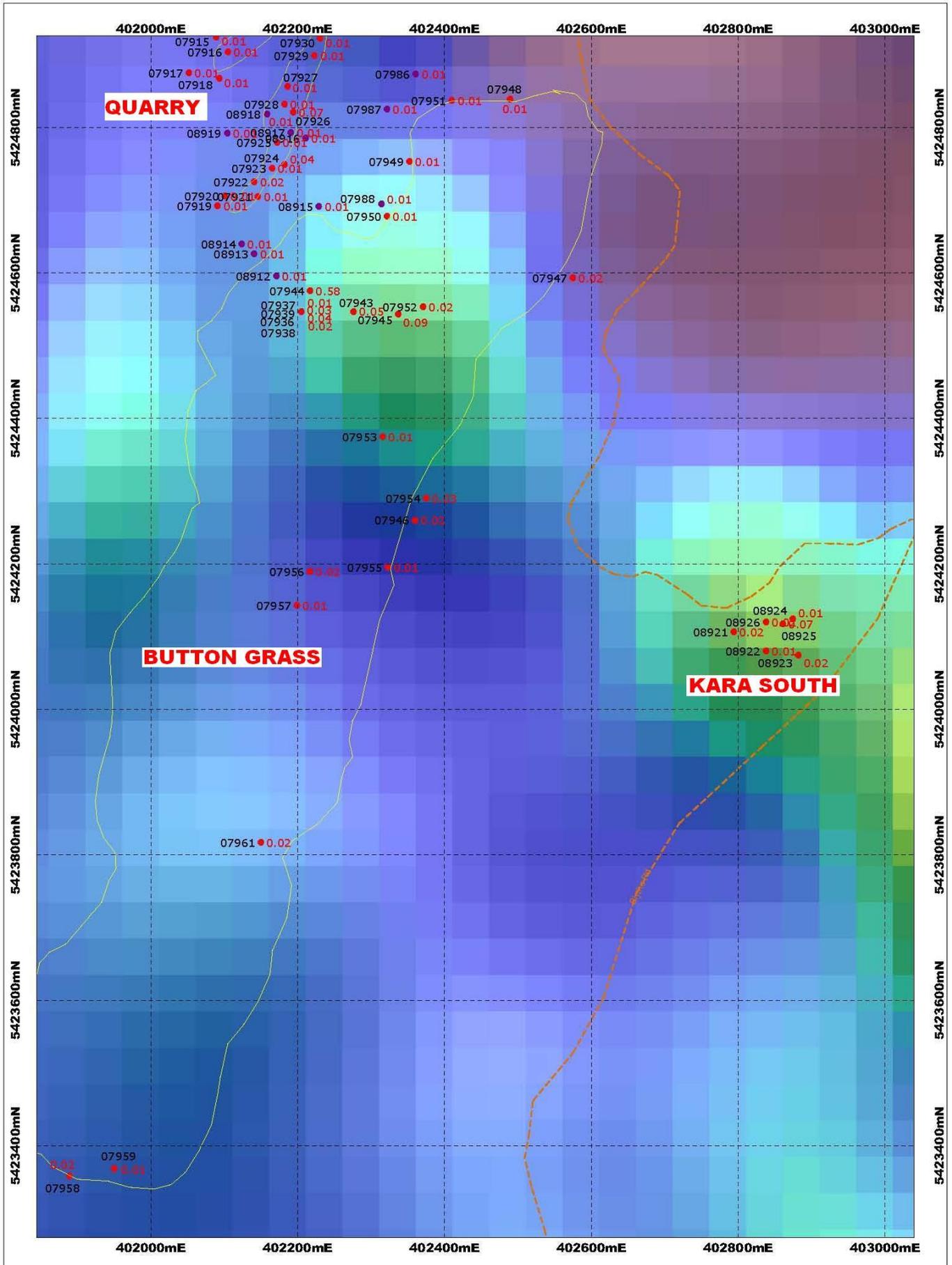
	LEGEND ● AUGER SAMPLE ● GRAB SAMPLE - TRACK/DIRT ROAD (07806) SAMPLE NUMBER (0.01) Sn (Tin Assay)		Scale	DATE	SHEET	AUGER AND GRAB SAMPLES	IRON MOUNTAIN MINING & RED RIVER RESOURCES BLYTHE PROJECT
			1:2500	29/05/09	1 of 1		
				REF No.			
				1			

Figure 7 – Surface Sampling Locations Kara North Area



	LEGEND ● AUGER SAMPLE ● GRAB SAMPLE - TRACK/DIRT ROAD (07806) SAMPLE NUMBER (0.01) Sn (Tin Assay)		Scale	DATE	SHEET	AUGER AND GRAB SAMPLES	IRON MOUNTAIN MINING & RED RIVER RESOURCES BLYTHE PROJECT
			1:2500	29/05/09	1 of 1		
			REF No. 1				

Figure 8 – Surface Sampling Locations Quarry Area



	LEGEND ● AUGER SAMPLE ● GRAB SAMPLE — TRACK/DIRT ROAD (07806) SAMPLE NUMBER (0.01) Sn (Tin Assay)		Scale	DATE	SHEET	AUGER AND GRAB SAMPLES	IRON MOUNTAIN MINING & RED RIVER RESOURCES BLYTHE PROJECT
			1:5000	29/05/09	1 of 1		
			REF No. 1				

Figure 9 – Surface Sampling Locations Button Grass Area

4.0 Grid Datum

The Geodetic Datum for the project is GDA 94.

5.0 Discussion of Results

5.1 Reverse Circulation Drilling

Lithological logs produced from RC drilling in the **Kara North Prospect** are given in **Attachment 4**, and from the **Kara South Prospect** in **Attachment 5**. Analytical results (drill logs with primary and secondary analyses) are provided in **Attachments 10 and 11**.

RC drilling at the **Kara North Prospect** yielded a number of magnetite intersections and these are listed in **Table 1**. Tin intersections are given in **Table 2**.

Drill hole cross sections, running from west to east, detailing thicknesses of magnetite-bearing zones, with average grades for Fe and Sn, are shown as **Figures 10 – 24**.

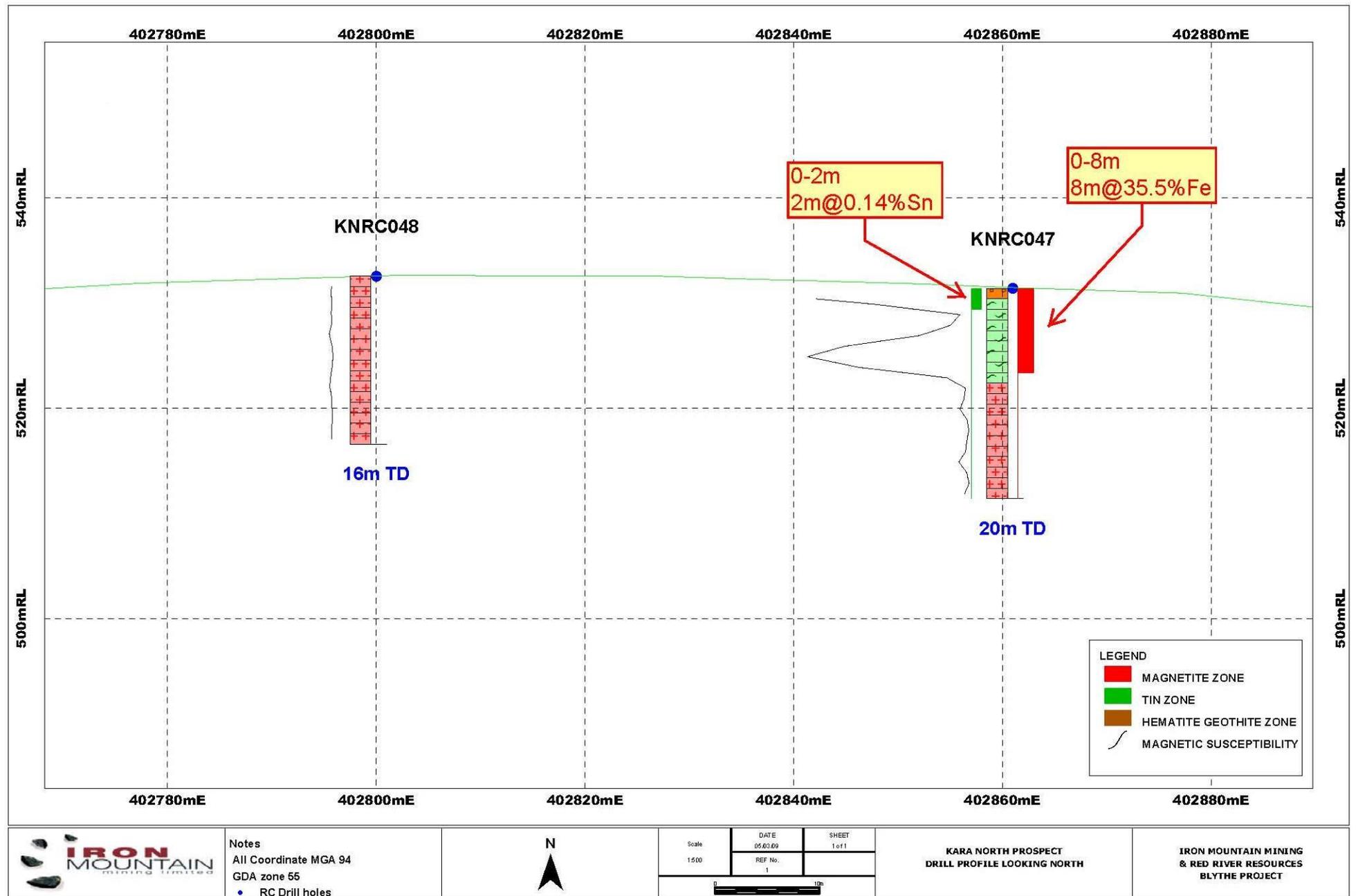


Figure 10 – Kara North Prospect Cross Section (Line 1) 5 426 100 mN

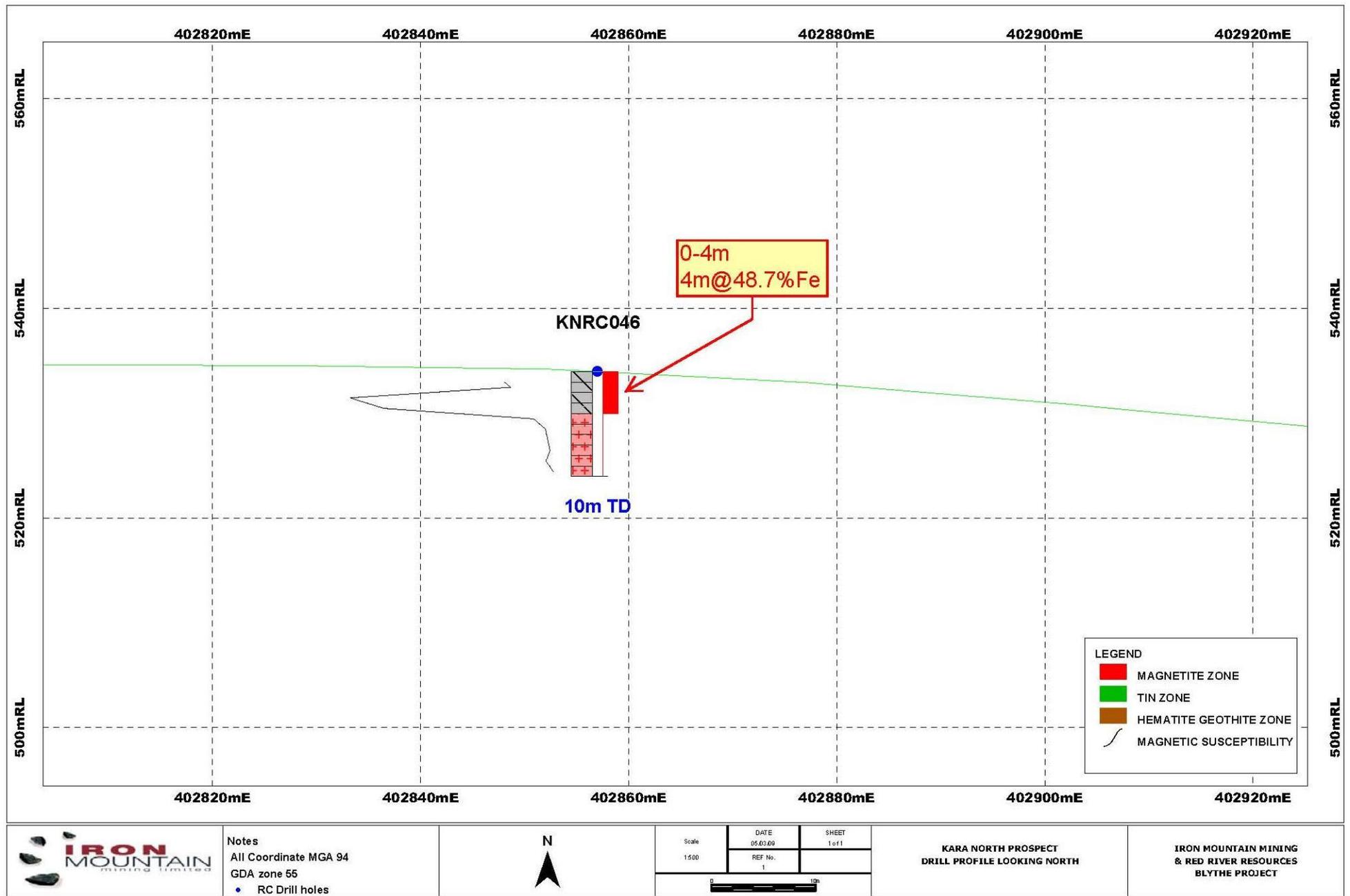


Figure 11 – Kara North Prospect Cross Section (Line 2) 5 426 046 mN

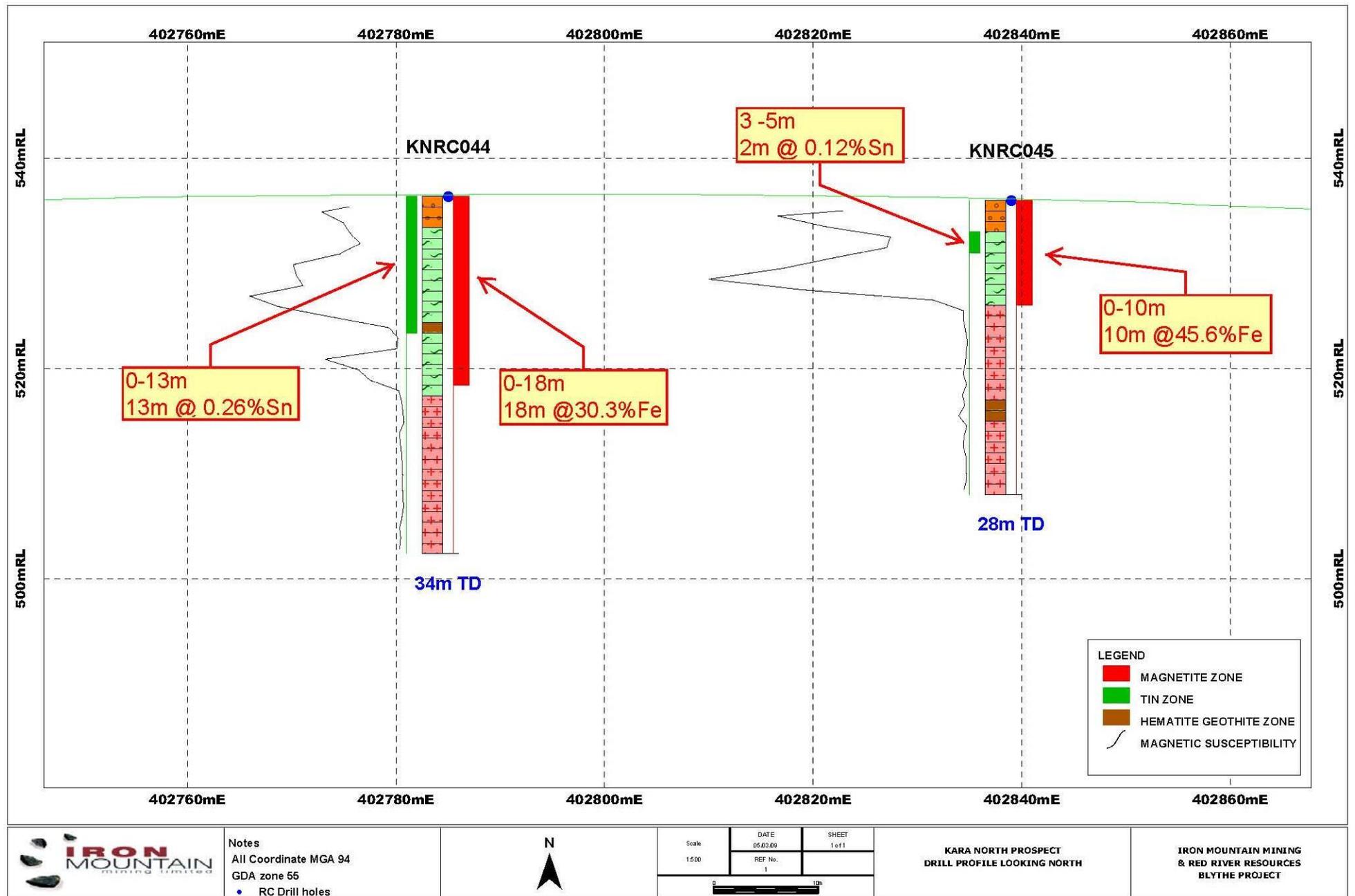


Figure 12 – Kara North Prospect Cross Section (Line 3) 5 426 022 mN

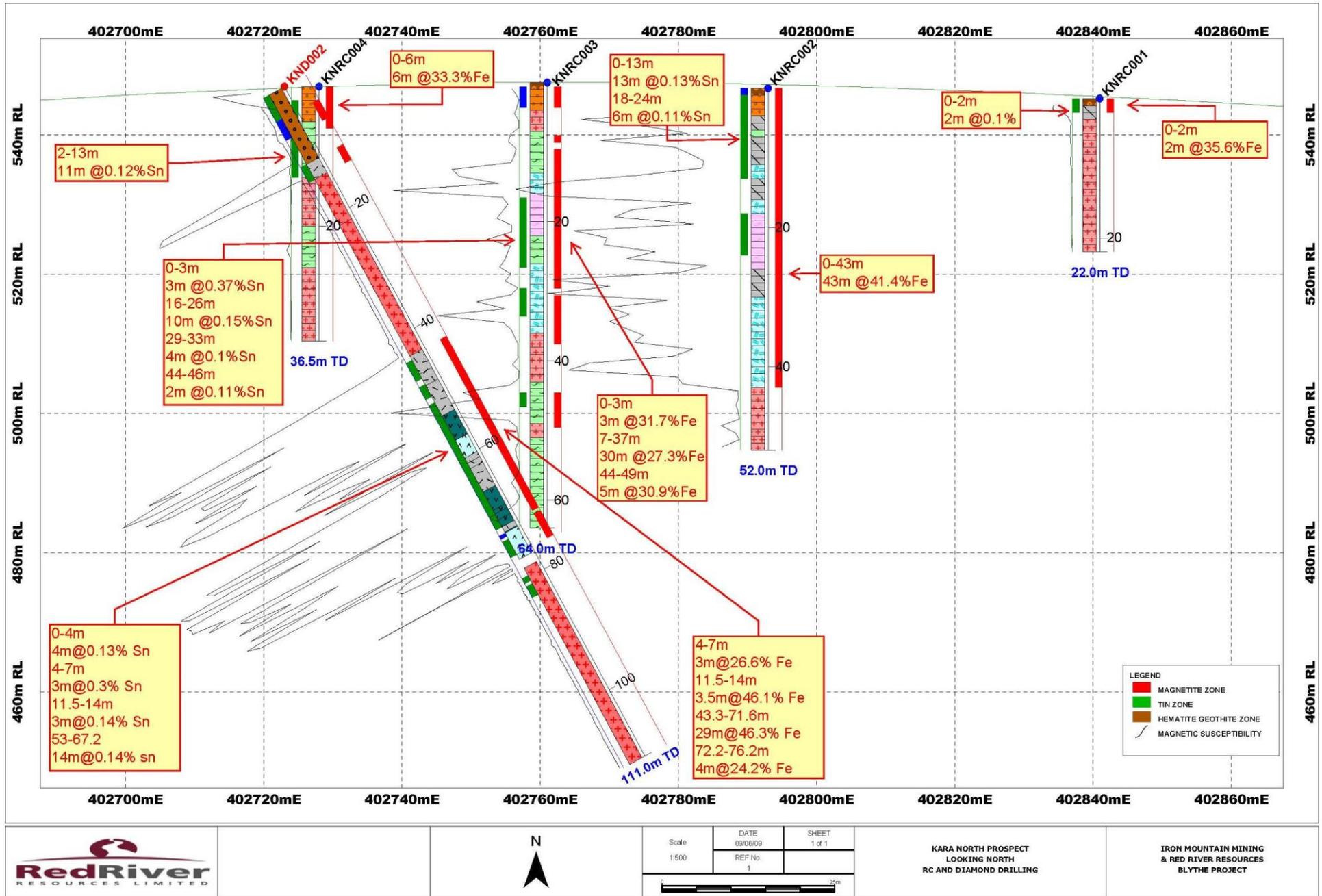


Figure 13 – Kara North Prospect Cross Section (Line 4) 5 425 898 mN

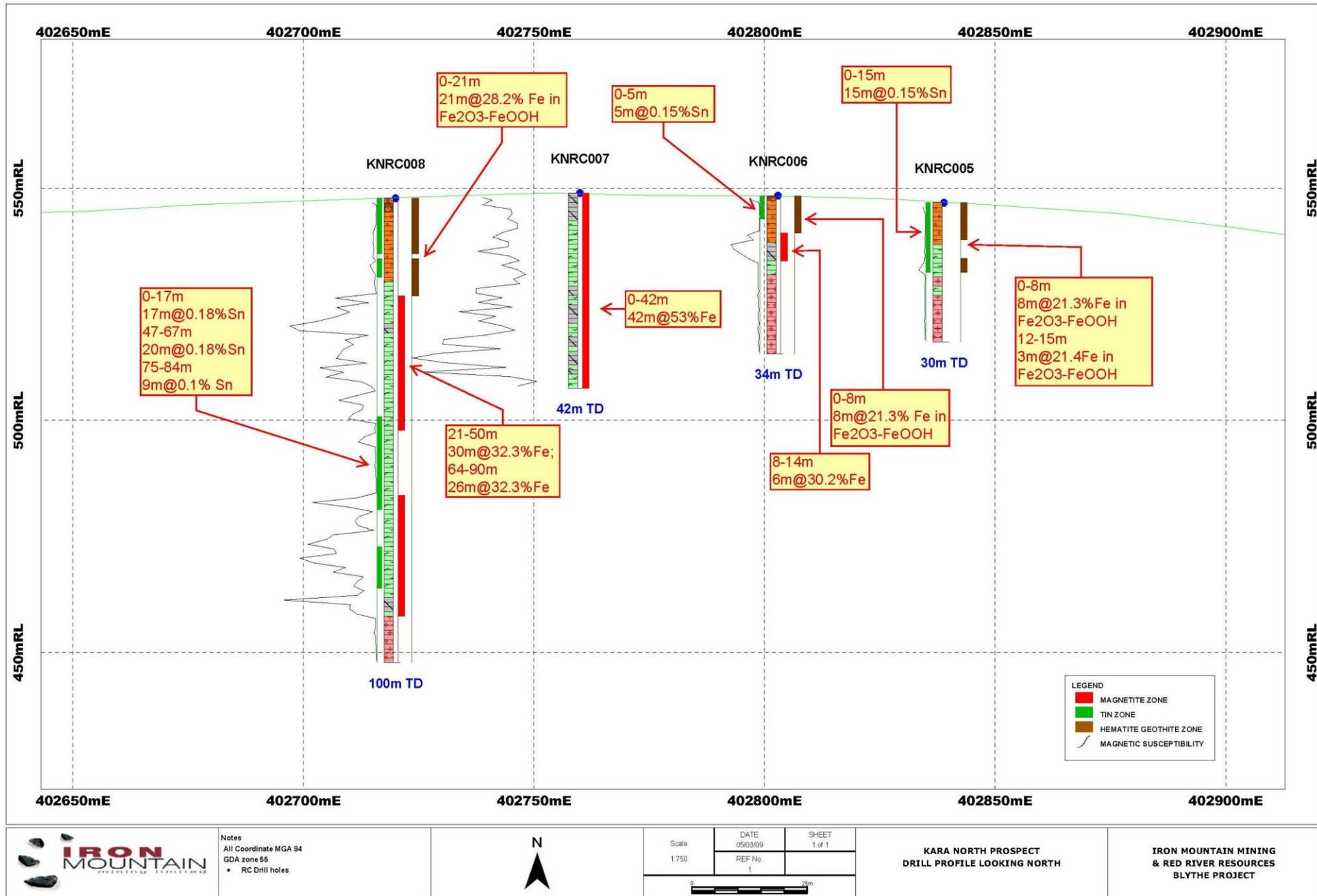


Figure 14 – Kara North Prospect Cross Section (Line 5) 5 425 793 mN

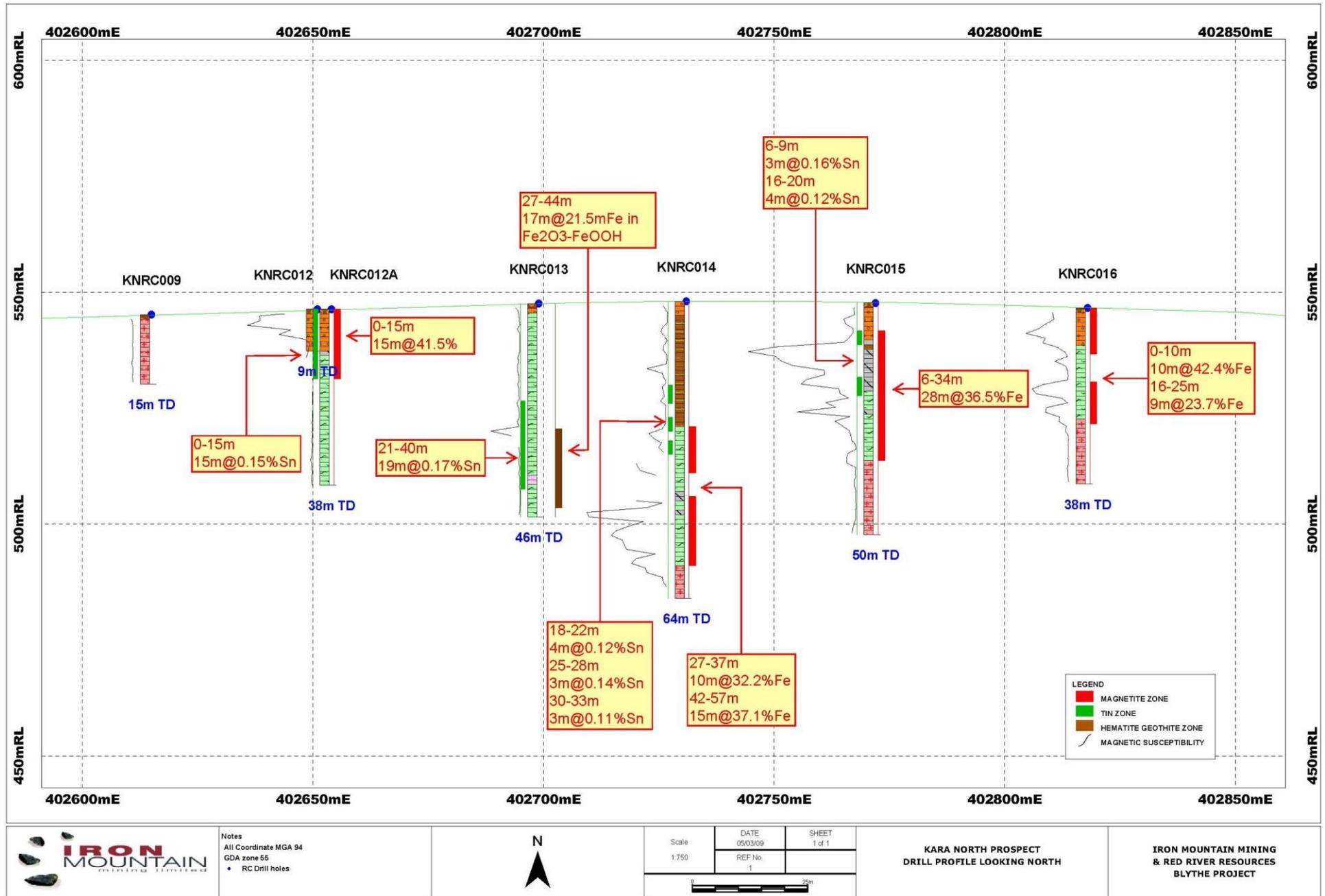


Figure 15 – Kara North Prospect Cross Section (Line 6) 5 425 720 mN

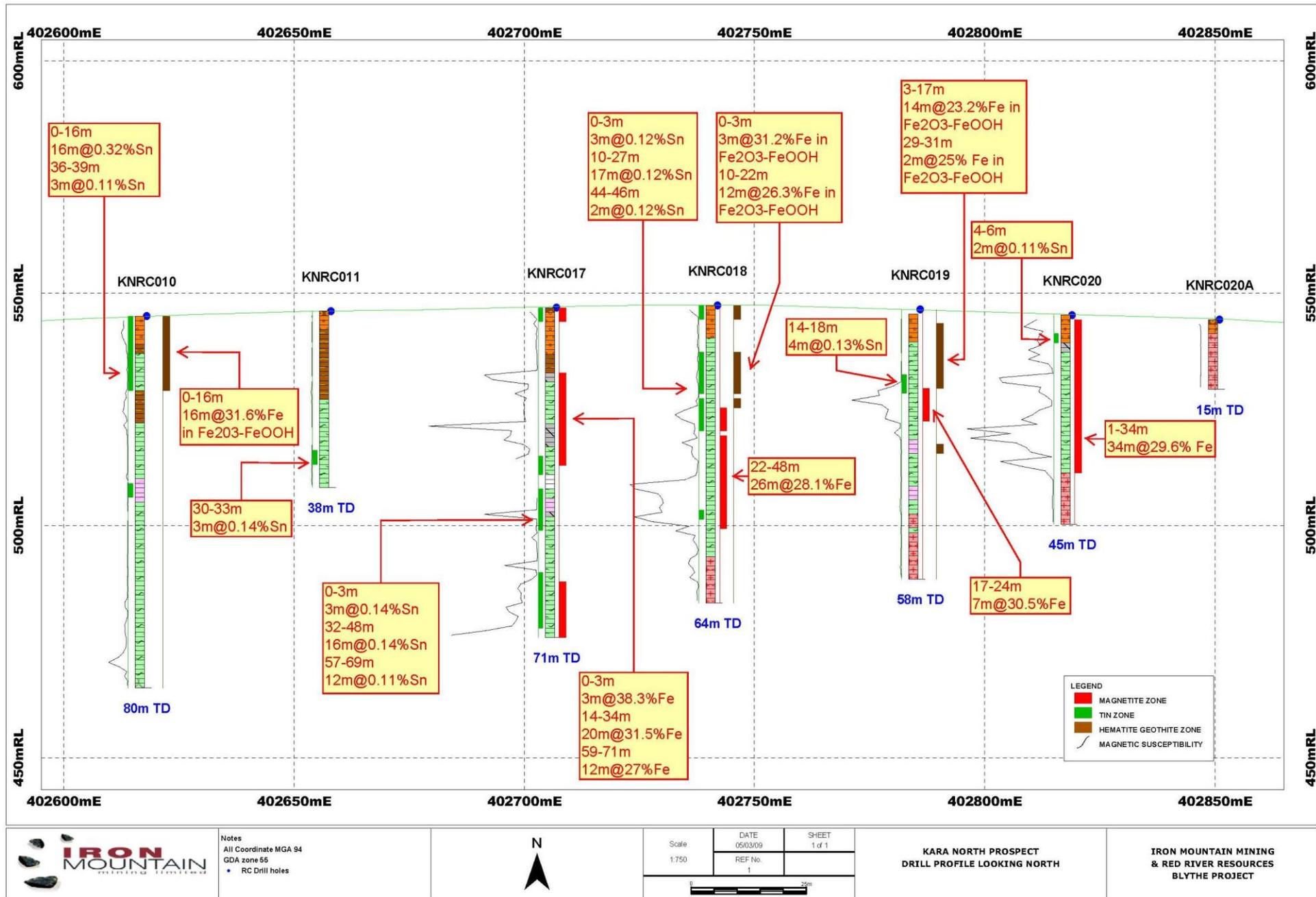


Figure 16 – Kara North Prospect Cross Section (Line 7) 5 425 664 mN

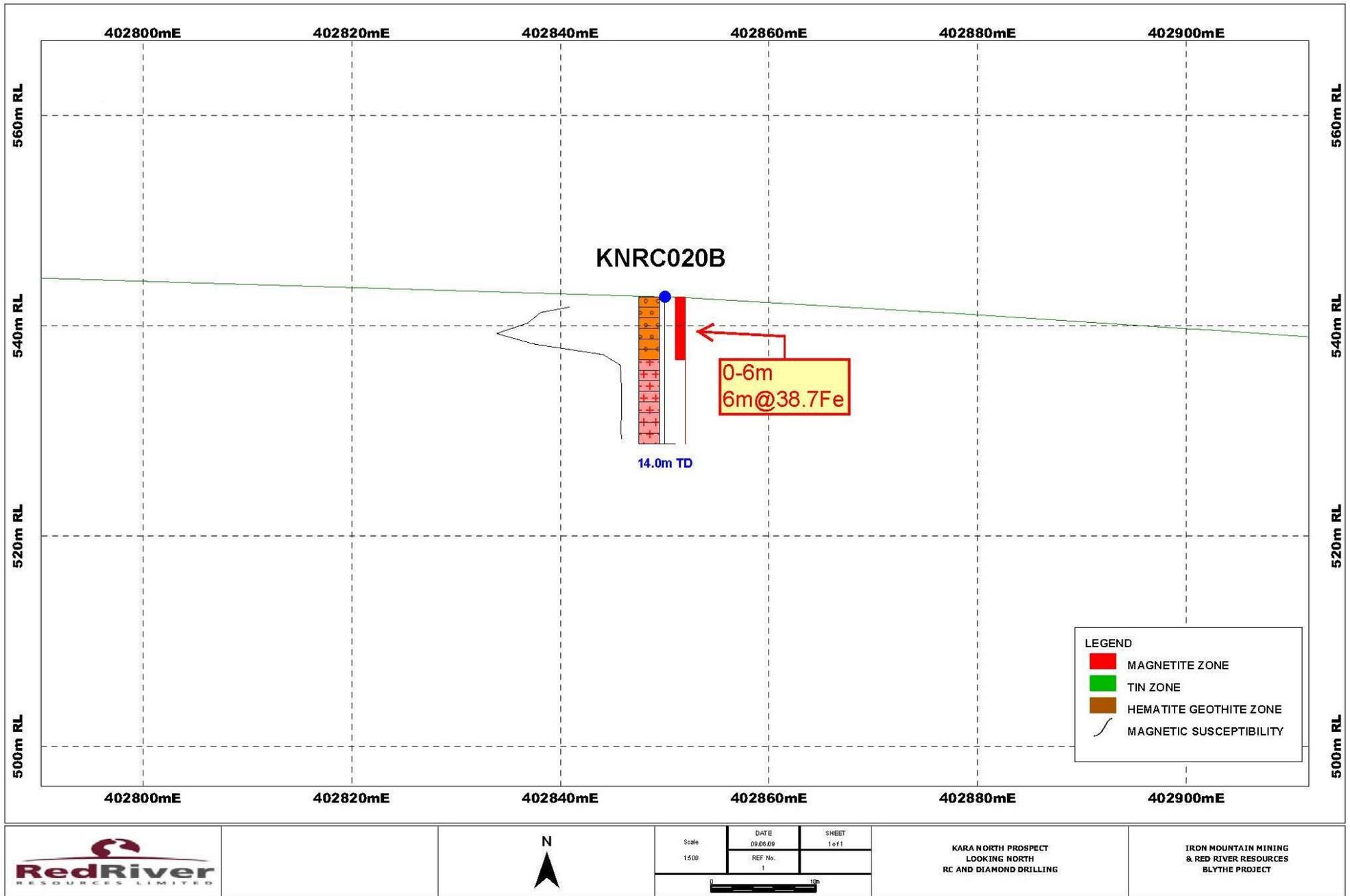


Figure 17 – Kara North Prospect Cross Section (Line 8) 5 425 615 mN

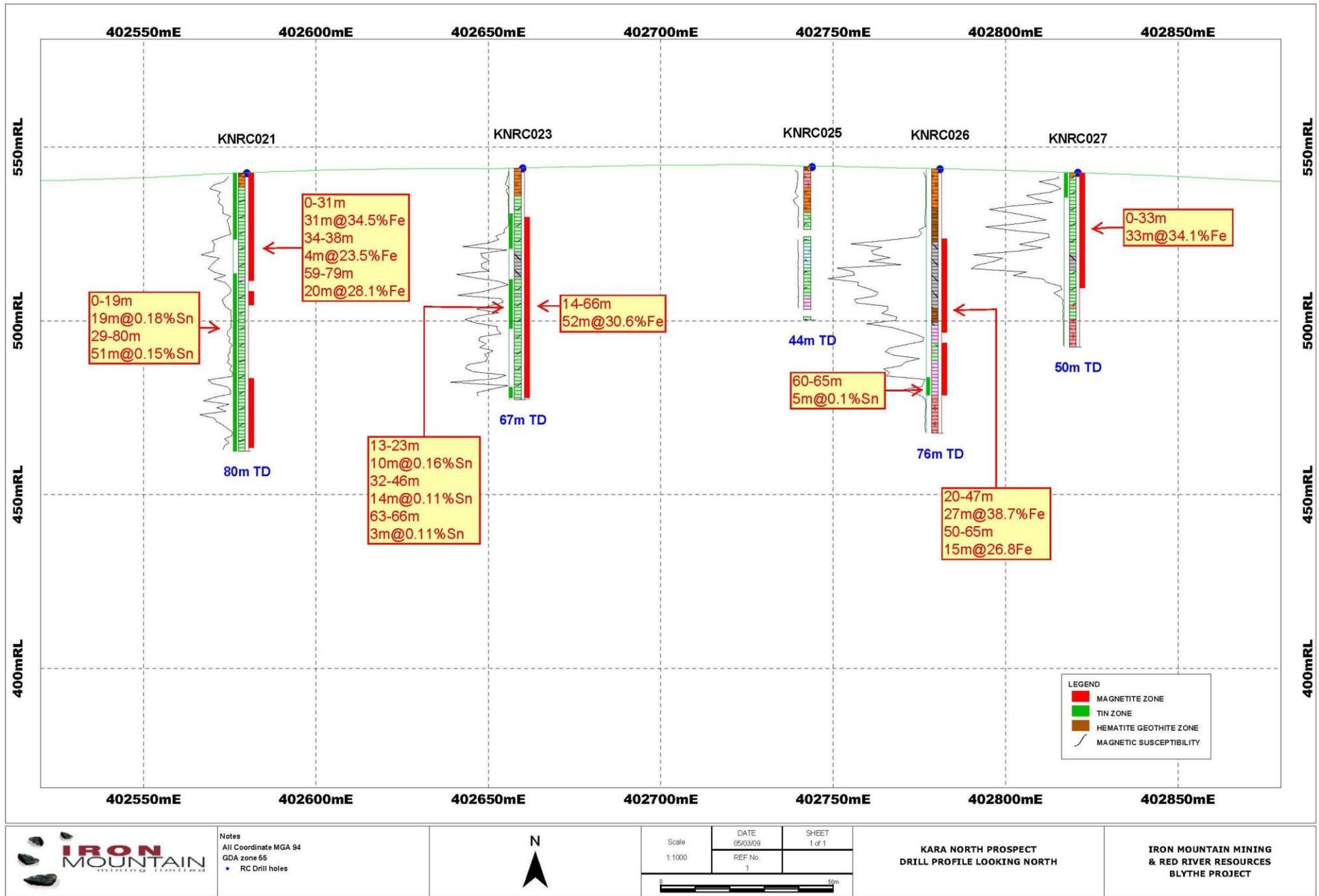
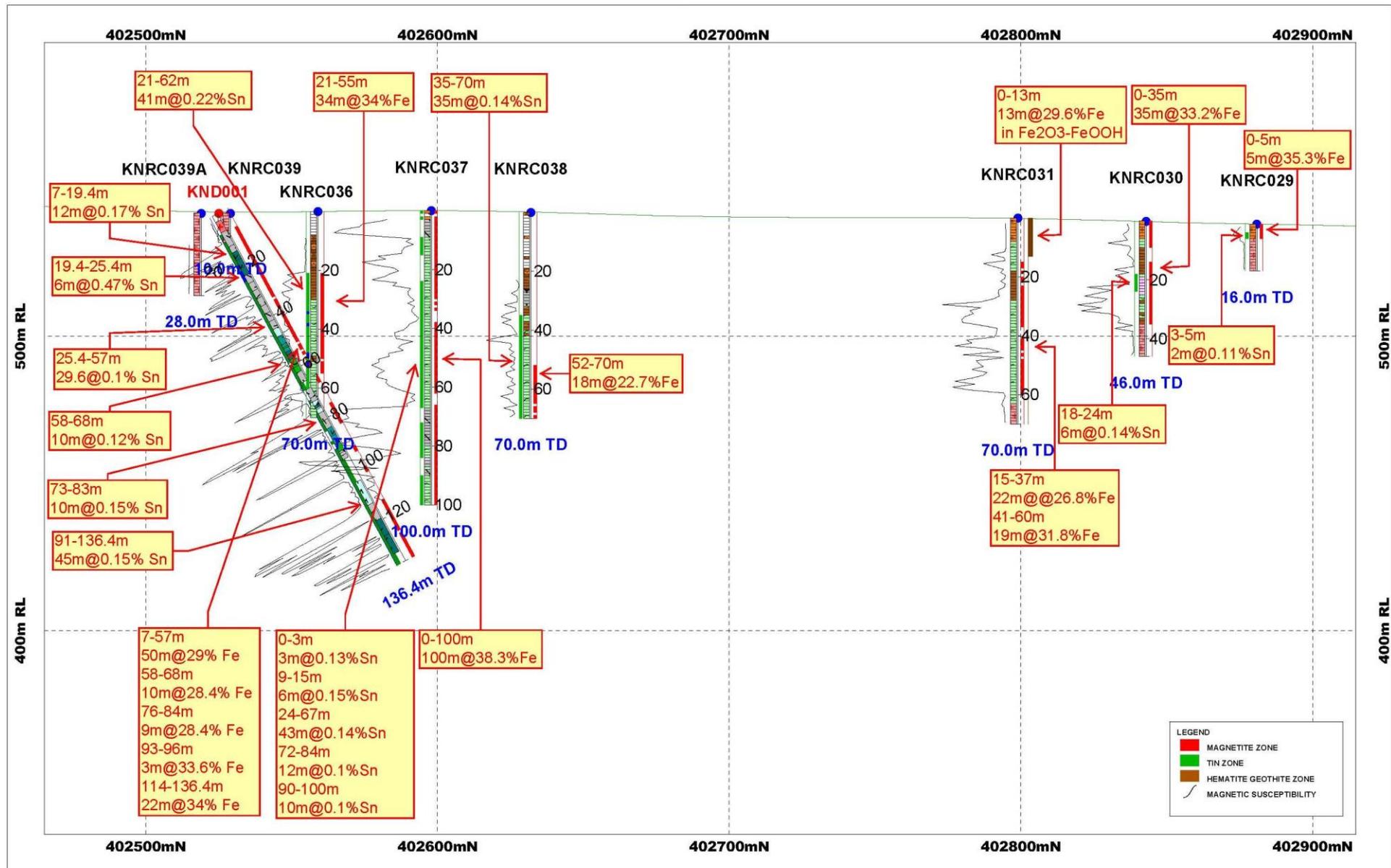


Figure 18 – Kara North Prospect Cross Section (Line 9) 5 425 585 mN



Scale 1:1250	DATE 10/06/09	SHEET 1 of 1
	REF No. 1	

KARA NORTH PROSPECT
LOOKING NORTH
RC AND DIAMOND DRILLING

IRON MOUNTAIN MINING
& RED RIVER RESOURCES
BLYTHE PROJECT

Figure 19 – Kara North Prospect Cross Section (Line 10) 5 425 503 mN

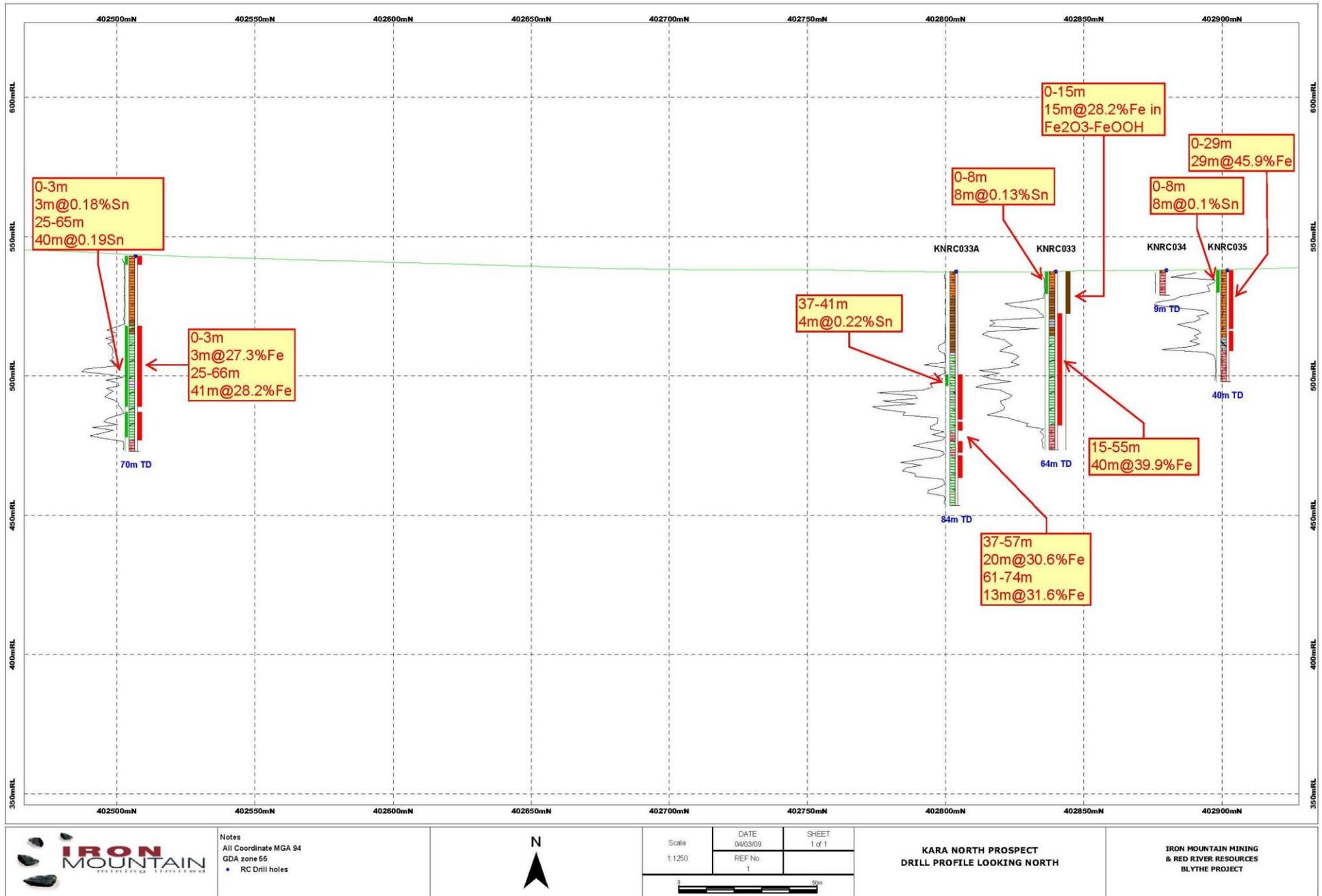


Figure 20 – Kara North Prospect Cross Section (Line 11) 5 425 428 mN

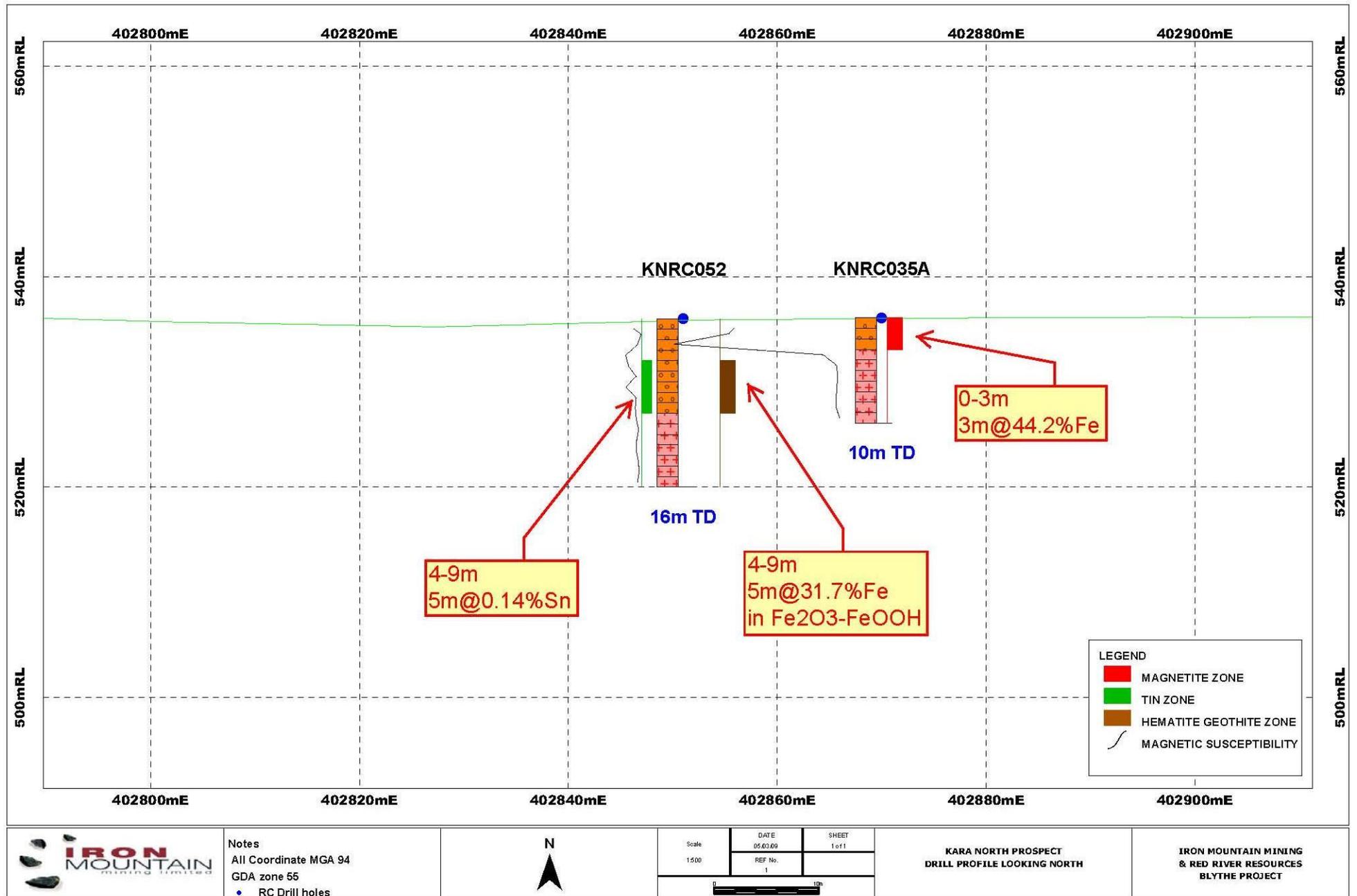


Figure 21 – Kara North Prospect Cross Section (Line 12) 5 425 287 mN

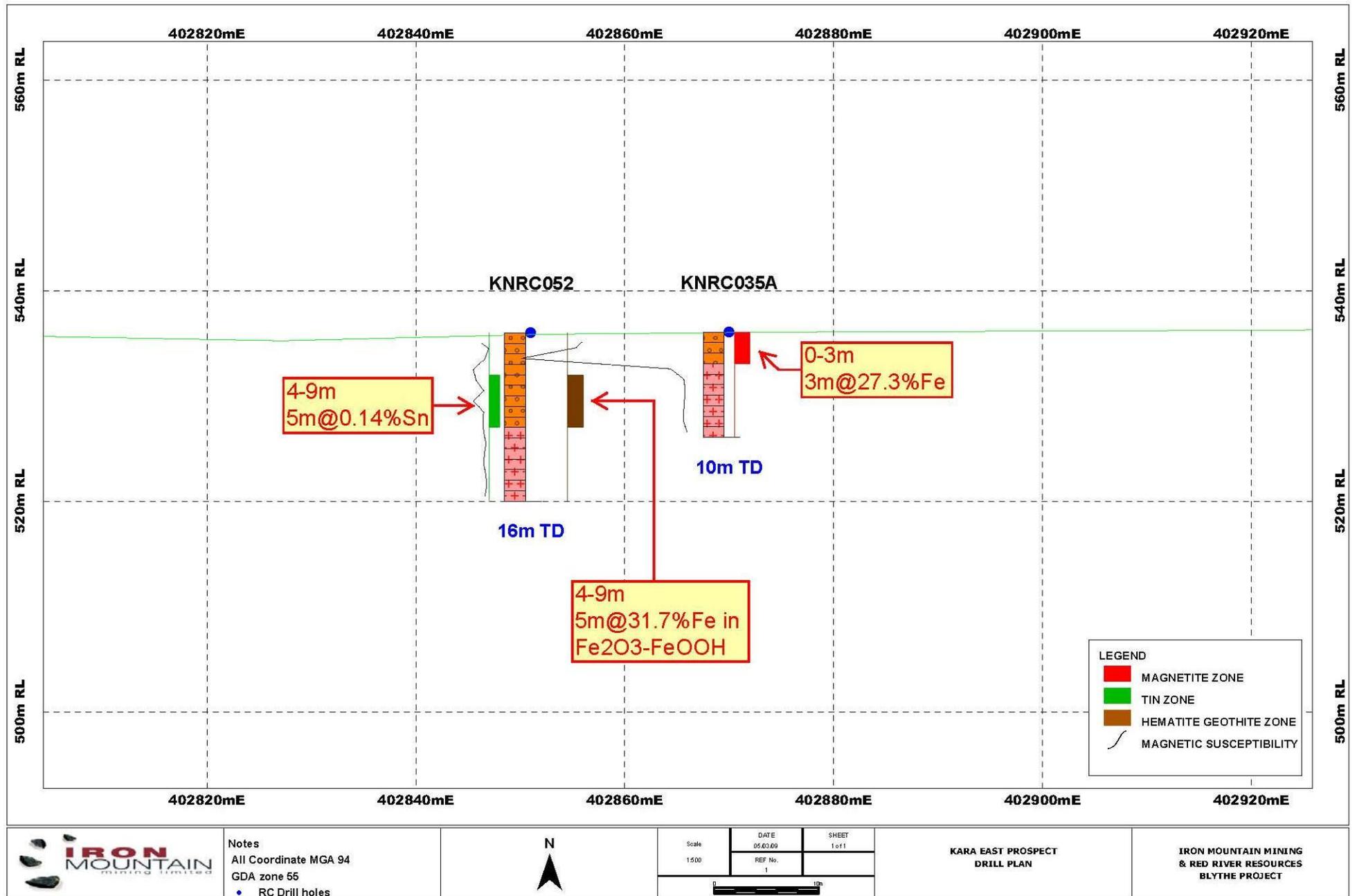


Figure 22 – Kara North Prospect Cross Section (Line 13) 5 425 257 mN

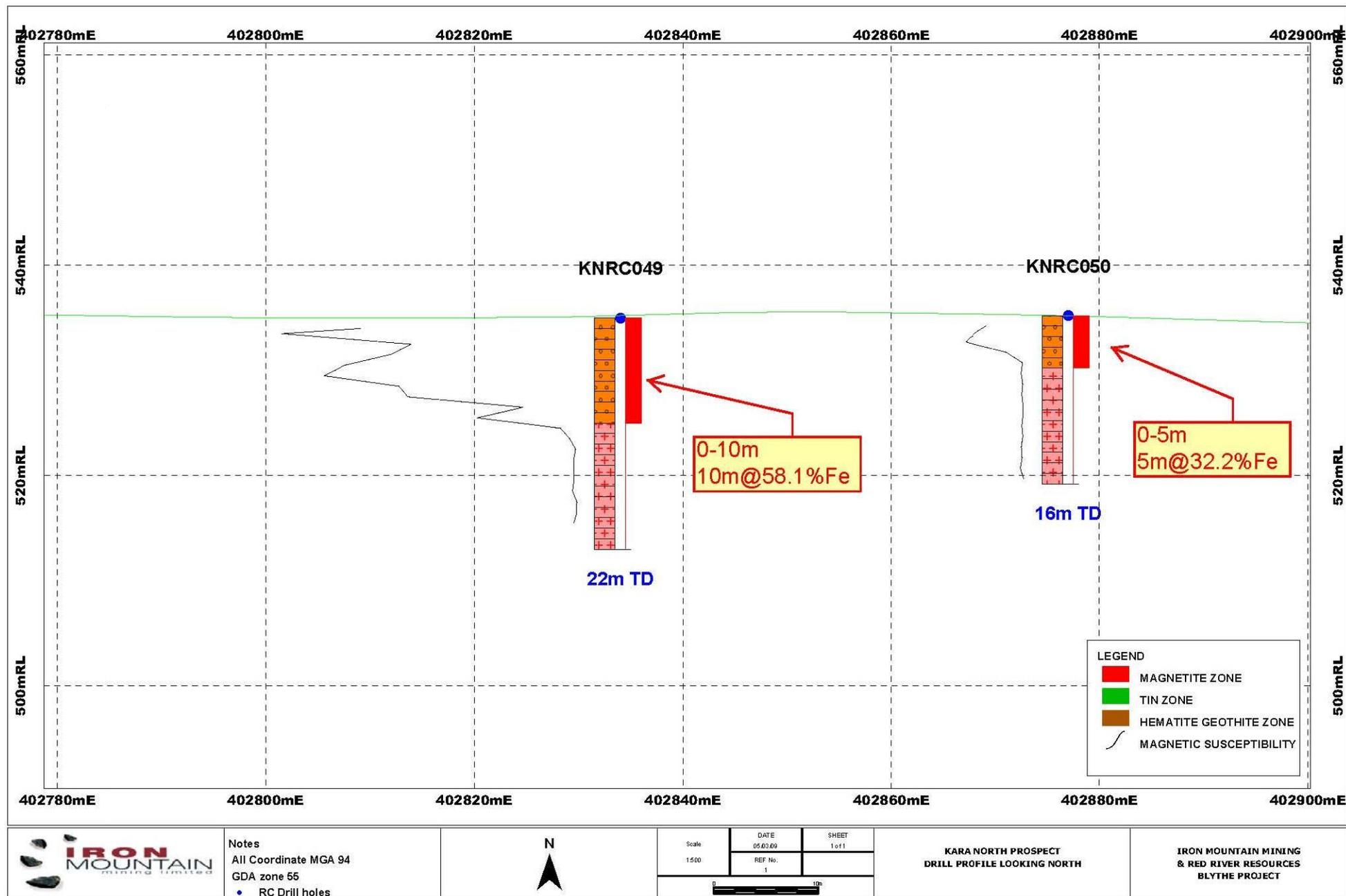


Figure 23 – Kara North Prospect Cross Section (Line 14) 5 425 184 mN

Drilling at the Kara North Prospect has revealed high grade semi-massive to massive magnetite hosted within skarn deposits. The magnetite carries grades of up to 58 % Fe, with the best intersection being **42 m @ 53 % Fe in KNRC007**. Assay results also indicated substantial zones of low grade tin mineralization, such as **41 m @ 0.22 % Sn in KNRC036** and **51 m @ 0.15 % Sn in KNRC021**.

There were no significant magnetite or tin intersections in the **Kara South Prospect** and the hole was stopped prior to its planned depth due to a shallow granite contact at 25 m. The cross section for KSRC001 is given in **Figure 24** and runs approximately north-south in order that it is parallel to the dip direction of drilling.

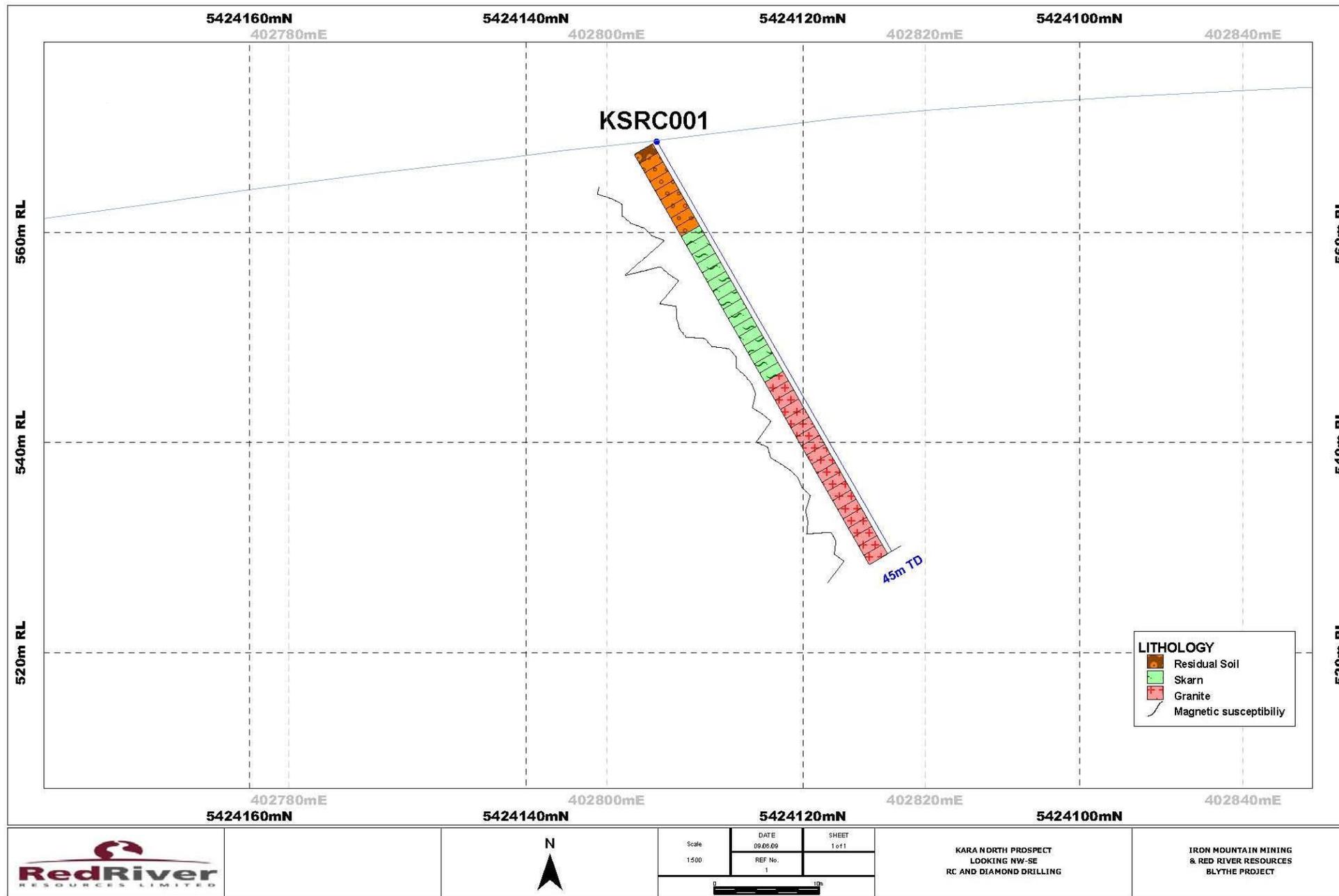


Figure 24 – Kara South Prospect Cross Section 402 805 mN

5.2 Diamond Core Drilling

Lithological logs from the diamond core drill holes can be found in **Attachments 12 to 14**. Assay results from sampling of the diamond core can be found in **Attachments 18 to 20**.

Both KND001 and KND002 consisted primarily of magnetite-bearing skarn deposits and granite. The presence of high grade magnetite was confirmed with intersections of **32.9 m @ 41.6 % Fe** and **9 m @ 43 % Fe**. Intersections of **3 m @ 0.62 % Sn** and **3 m @ 0.3 % Sn** indicate the low grade tin mineralisation. **Figures 25 and 26** below provide the cross sections.

BGD001 revealed a zone of strong hydrothermal alteration. Skarns were dominated by serpentine, pseudomorphic replacement minerals, and gas milled breccias. Grades of up to 48.3 % Fe were found, with the best intersections yielding **22.6 m @ 38.4 % Fe** and **6 m @ 0.22 % Sn**. See **Figure 27** for the cross section of BGD001. Core photographs are provided in **Attachment 17**. Anomalous Pb/Zn geochemistry was found in association with the magnetite/tin mineralisation; assay results are given in **Attachment 20**.

Both RC and diamond drilling indicated a close relationship between the location of magnetite and tin. The drilling programs have also revealed that the tin zone covers a strike length of at least 900 m along the western margins of **Kara North Prospect** and a width of up to 400 m. Further work and metallurgical testing will indicate its potential as a polymetallic resource.

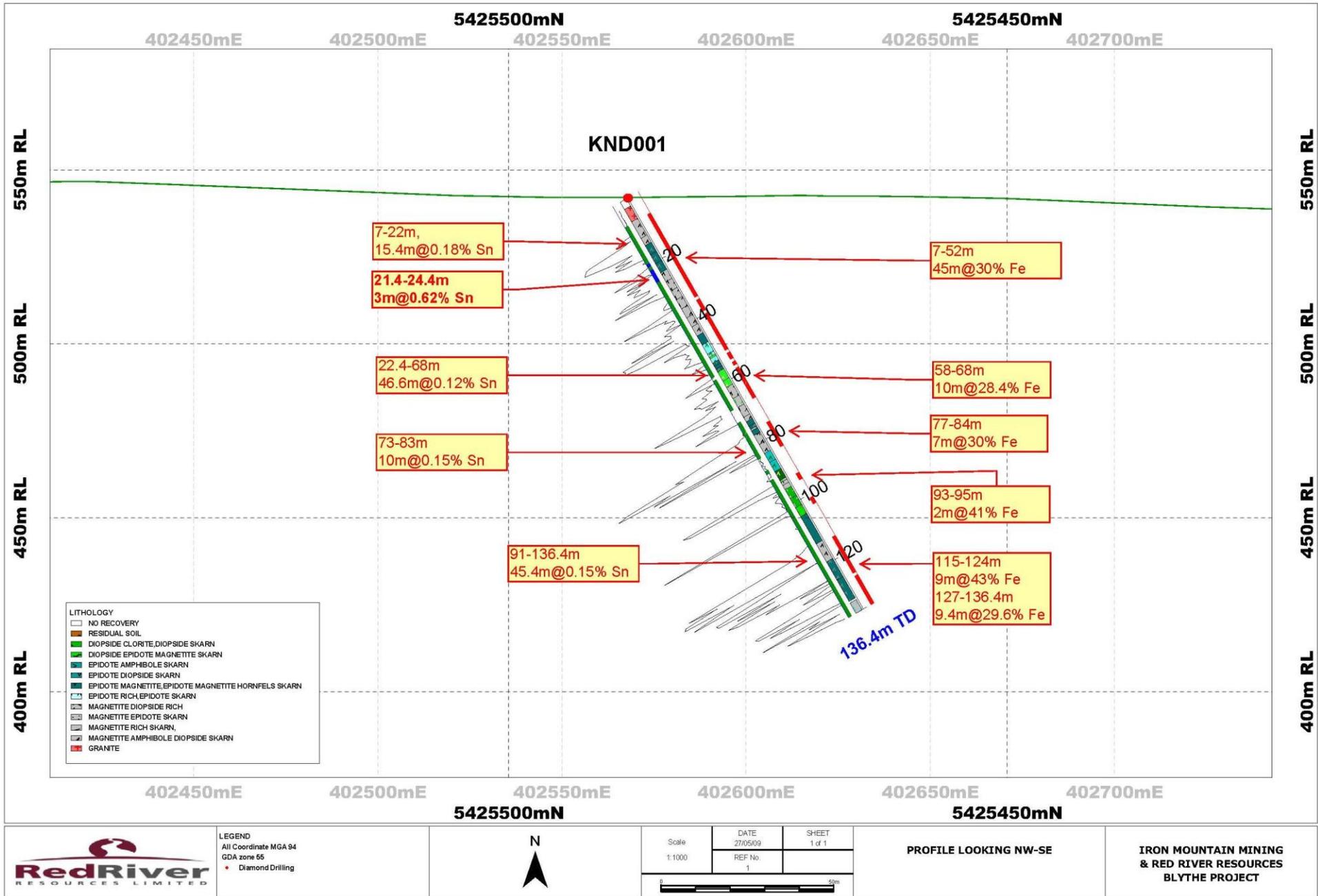


Figure 25 – KND001 Profile

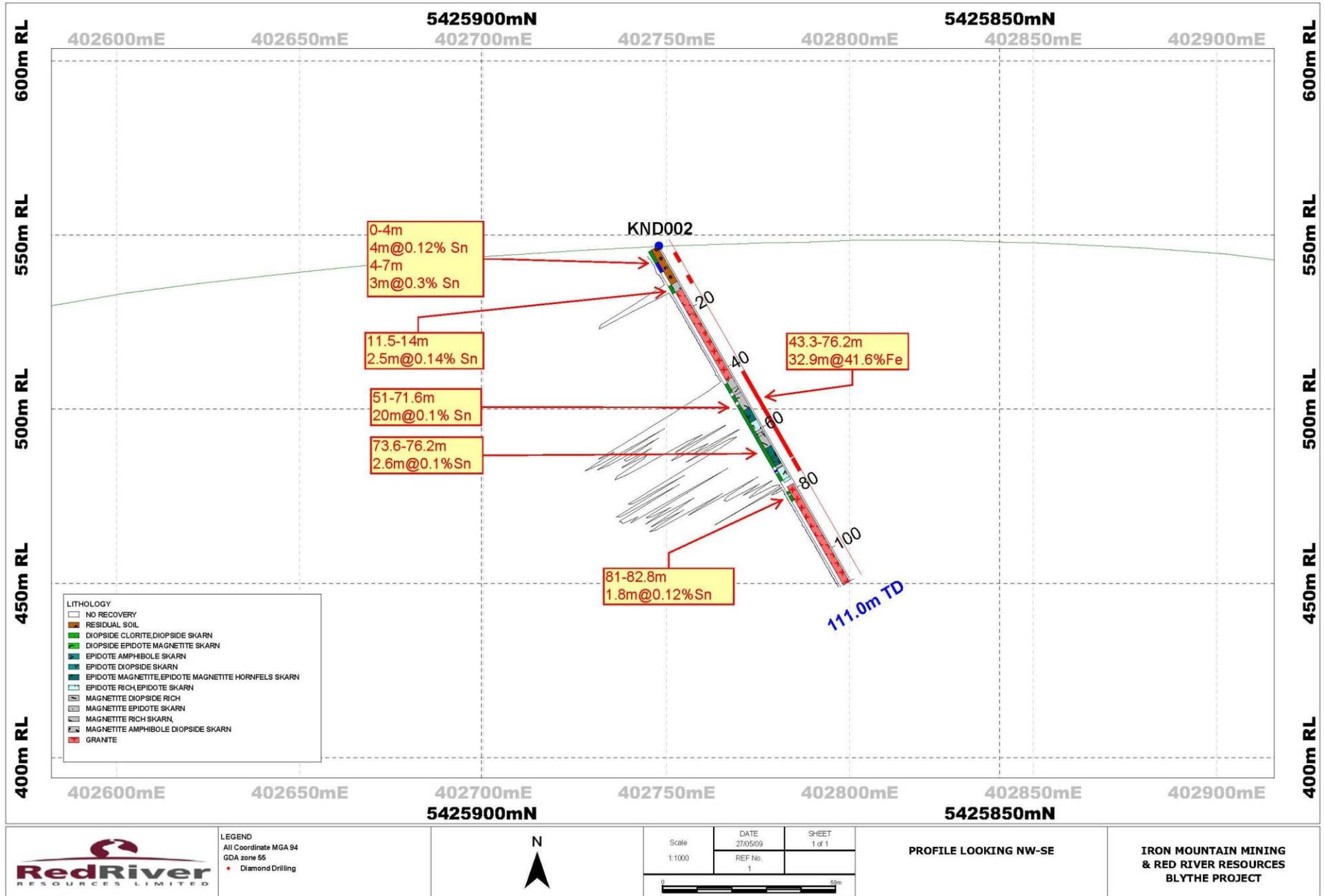


Figure 26 – KND002 Profile

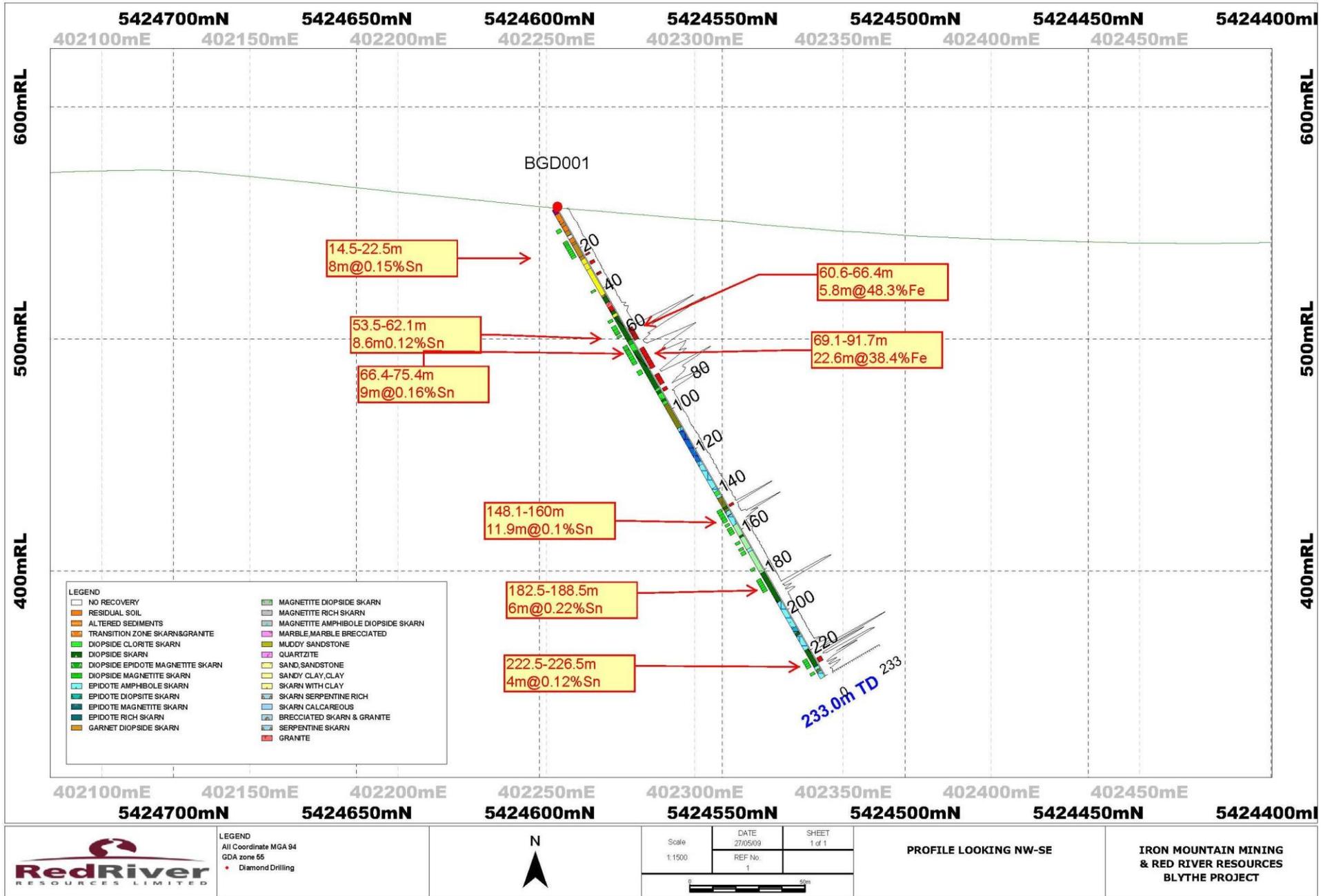


Figure 27 – BGD001

5.3 Regional Setting of Mineralisation

On current indications, the primary control on mineralisation would appear to be a northeasterly trending lineament indicated by aeromagnetics (see **Figure 3**). Further interpretation of the structural setting will be undertaken on receipt of data stemming from exploration activities beyond the date of this report.

5.4 Surface Sampling (Rock Chip and Auger Sampling)

Figures 7 to 9 show the surface sampling locations. **Attachment 21** provides the surface sampling analytical results.

Surface sampling, in addition to the assay results from drilling programs, (see **Figures 10 to 23**) confirmed the broad zone of low grade tin as described in **5.2 Diamond Core Drilling**. On the surface, this does not seem to extend much past the southern end of Kara North Prospect. However, grades of up to 0.25 % Sn were revealed at depth in BGD001, therefore the limits of the zone have yet to be constrained at depth.

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 hole, thus allowing it to be cut from the inside.

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

7.0 Expenditure

The expenditure for the second permit year was comprised as follows:

Geology	\$ 181 804
Geochemistry	\$ 14 667
Geophysics	\$ 6 318
Drilling	\$ 541 034
Rehabilitation	\$ 11 073

Feasibility Study	\$ 1 107
Other	\$ 12 780
Administration	\$ 39 199

Total Expenditure for Report Period	\$ 807 982
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Total Expenditure to Date	\$ 830 442
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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.

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,

Map (250K)
Map (50/100K)
Geographic Activities
Minerals
Deposits
Keywords
Annotation

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
Date
Authors(s)
Title

82_1878
1/09/1982
Lawton, J.J.
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, Husetop 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 Husetop 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, Midleys 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, Housetop 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 Housetop 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.	
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	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	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) Map (50/100K) Geographic Activities	SK55-3 BURNIE 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	83_2040 1/09/1983 Ruxton, P.A. E.L. 8/77 - Riana, Progress Report on Exploration During the Period 2/7/82 to 1/9/83. Commonwealth Aluminium Corporation Limited, The Shell Company of Australia Limited EL8/1977 2 volumes 9PP, 8 APPX, 2 TABLES, 11 FIG, 35 PLANS
Activities	8.2061 SK55-3 BURNIE 80151 Burnie, 80152 Loongana, 81153 Wilmot, 81154 Ulverstone Castra Rivulet, Cuprona, Gunns Plains, Laurel Creek, Loyetea Peak, Midgleys Falls, Natone, Penguin, Riana
Minerals Deposits Keywords	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 Base Metals, Gold, Iron, Magnetite, Pyrrhotite, Tin, Tungsten Natone
Annotation	Downhole IP-Resistivity, Gordon Limestone(S), Housetop Granite(S), INPUT-EM, Max-Min-EM, Oonah Formation(S), Skarn, VLF-EM 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 synclinorium 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), Housetop 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	Base Metals, Gold, Tin

Deposits	Tin Spur
Keywords	Gordon Limestone(S), Mt Read Volcanics(Sc), Owen Conglomerate(S), UTEM
Annotation	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)	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	UR1980_15
Date	4/06/1980
Authors(s)	Mathews, W.L.
Title	Subsurface Investigations at the Guide River Dam Site.
Company(s)	
Tenement(s)	
Physical Description	1 volumes 12PP, 5APPX, 3TABLES, 12FIG
Digital Media	
Other Ref.	
Map (250K)	SK55-3 BURNIE
Map (50/100K)	80151 Burnie
Geographic	Guide River
Activities	Auger, Diamond, Drilling, Engineer. Geol, Geology, Geophysics, Logs, Site investigations, Slope stability
Minerals	Clay
Deposits	
Keywords	Burnie Formation(S), Cretaceous-Quaternary, Dam Site, Foundations, Material Properties, Permeability
Annotation	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	89_3025
Date	1/09/1989
Authors(s)	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 Tabulated Data in Attachment

Metadata for Attachment 1 - Ground Magnetic Survey Data for Kara North Prospect

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

Tenement Name: Hampshire 2, EL 18/2007

Activity which produced data: Ground Magnetic Survey

Location of data: Attachment 1, EL182007_200906_02_groundmagkn.txt

Date: October 2007

Parameters controlling data acquisition: N/A

Contractor producing data: N/A

Translation parameters required for conversion of data: N/A

Equipment used to generate data: Portable Proton Magnetometer Mode G-826

Definition of codes: N/A

Metadata for Attachment 2 - Ground Magnetic Survey Data for Kara South Prospect

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

Tenement Name: Hampshire 2, EL 18/2007

Activity which produced data: Ground Magnetic Survey

Location of data: Attachment 2, EL182007_200906_03_groundmagks.txt

Date: October 2007

Parameters controlling data acquisition: N/A

Contractor producing data: N/A

Translation parameters required for conversion of data: N/A

Equipment used to generate data: Portable Proton Magnetometer Mode G-826

Definition of codes: N/A

Metadata for Attachment 3 - Ground Magnetic Survey Data for Button Grass Prospect

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

Tenement Name: Hampshire 2, EL 18/2007

Activity which produced data: Ground Magnetic Survey

Location of data: Attachment 3, EL182007_200906_04_groundmagbg.txt

Date: October 2007

Parameters controlling data acquisition: N/A

Contractor producing data: N/A

Translation parameters required for conversion of data: N/A

Equipment used to generate data: Portable Proton Magnetometer Mode G-826

Definition of codes: N/A

Metadata for Attachment 4 – RC Drill Logs for Kara North Prospect

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

Tenement Name: Hampshire 2, EL 18/2007

Activity which produced data: RC drilling program

Location of data: Attachment 4, EL182007_200906_05_RCdrilllogkn.txt

Date: June – September 2008

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: Drill Rig PRD Multi Star 2000

Definition of codes: See next page

Colour		Lithology		Mineral		Mineral	
bk	black	BIF	Banded Iron Formation	AC	Actinolite	PL	Plagioclase
bl	blue	Dlr	Dolerite	AM	Amphibole	PX	Pyroxene
br	brown	Fg	Granite	AN	Andesite	Q	Quartz
cr	cream	Kce	Chlorite Epidote Skarn	AP	Arsenopyrite	RE	Rare Earth mineral
gr	green	Kch	Chlorite Hematite/Epidote Skarn	AR	Argillite	SD	Siderite
gy	grey	Kcl	Chlorite Skarn	AT	Apatite	SI	Silica
kh	khaki	Khs	Hematite-Sulfide-Amphibole Skarn	AZ	Azurite	SM	Smectite
mv	mauve	Ksa	Amphibole Skarn	BA	Barite	SP	Serpentine
pk	pink	Ksc	Sulphide Chlorite Skarn	BI	Biotite	SR	Sericite
pr	purple	Ksd	Andradite Skarn	CA	Calcite	TA	Talc
rd	red	Ksg	Garnet Skarn	CB	Carbonate	TI	Titanite
wt	white	Ksm	Skarn, magnetite-rich	CE	Clay	TR	Tremolite
yl	yellow	Ksn	Skarn (Undifferentiated)	CF	Coffinite	U	Uranium mineral
		Kss	Skarn, garnet/diopside-rich	CH	Chert	ZR	Zircon
		Kst	Talc Skarn	CL	Chlorite	PY	Pyrite
Colour Shade		Lk	Saprolite	CN	Chalcedony		
		Mf	Mafic tuff	CT	Cuprite	Sample Quality	
d	dark	Mv	Basalt	CV	Covellite	D	Dry
l	light	NS	No Sample	CX	Clinopyroxene	M	Moist
mo	mottled	QAQC	QA/QC Sample	DL	Dolomite	W	Wet
		Rs	Residual soil	DP	Diopside		
Mineralogy		Scg	Conglomerate	EP	Epidote		
		Sdl	Dolomite	FD	Feldspar	Texture	
amp	amphibole	Sls	Limestone	FL	Fluorite	amy	amygdaloidal
ang	andradite	Smb	Hornfel	GA	Galena	bdd	bedded
dps	diopside	Smd	Fine-grained clastics, typically mudstone	GO	Goethite	brx	brecciated
epd	epidote	Sqt	Hornfels	GR	Graphite		
Mineralogy Continued		Lithology Continued		Mineral Continued		Texture Continued	
gnt	garnet	Sst	Sandstone	GT	Garnet	ear	earthy

goe goethite
hem hematite
lim limonite
mag magnetite
pyo pyrrhotite
pyup pyrope
sch scheelite
sul sulphide
wol wollastonite

Sample Recovery

h High Recovery
m Moderate Recovery
n No Recovery
p Low Recovery

Weathering

F Fresh
M Moderate
S Strong
T Trace
W Weak/Slight

GY Gypsum
HB Hornblende
HD Hematite - dark grey
HE Hematite - red earthy
HG Hematite - steely grey
HR Hematite - red rock
HS Hematite - specular
KF K-Feldspar
KL Kaolinite
LI Limonite
MH Maghemite
MI Mica
MN Manganese
MT Magnetite
MU Muscovite
MY Molybdenite
NC Native Copper
OL Olivine
OP Opal
OQ Opaques
OX Orthopyroxene
PH Phlogopite

egg equigranular
fri friable
lam laminated
mas massive
pph porphyritic
sch schistose
shr sheared
sor well sorted
tuf tuffaceous
uns poorly sorted
ves vesicular
xln crystalline

Metadata for Attachment 5 – RC Drill Logs for Kara South Prospect

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

Tenement Name: Hampshire 2, EL 18/2007

Activity which produced data: RC drilling program

Location of data: Attachment 5, EL182007_200906_06_RCdrilllogks.txt

Date: 14th June 2008

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: Drill Rig PRD Multi Star 2000

Definition of codes: See metadata for attachment 4

Metadata for Attachment 6 – RC Drill Details for Kara North Prospect

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

Tenement Name: Hampshire 2, EL 18/2007

Activity which produced data: RC drilling program

Location of data: Attachment 6, EL182007_200906_07_RCdrilldetailskn.txt

Date: June – September 2008

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: Drill Rig PRD Multi Star 2000

Definition of codes:	EXP_STATUS	Export Status
	RC6	Reverse Circulation (6.0")
	RC8	Reverse Circulation (8.0")
	HMF	Hammer - Face
	CAS	Casing
	TRI	TriCone Bit
	D	Day Shift

Metadata for Attachment 7 – RC Collar Surveys for Kara North Prospect

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

Tenement Name: Hampshire 2, EL 18/2007

Activity which produced data: RC drilling program

Location of data: Attachment 7, EL182007_200906_08_RCcollsvykn.txt

Date: June – September 2008

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: Drill Rig PRD Multi Star 2000

Definition of codes:

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)
EXP_STATUS	Export Status (Y = exported, N = not yet exported)
IRM	Iron Mountain Mining Ltd
RVR	Red River Resources Ltd

Metadata for Attachment 8 – RC Drill Details for Kara South Prospect

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

Tenement Name: Hampshire 2, EL 18/2007

Activity which produced data: RC drilling program

Location of data: Attachment 8, EL182007_200906_09_RCdrilldetailsks.txt

Date: 14th June 2008

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: Drill Rig PRD Multi Star 2000

Definition of codes: See metadata for Attachment 6 above

Metadata for Attachment 9 – RC Collar Survey for Kara South Prospect

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

Tenement Name: Hampshire 2, EL 18/2007

Activity which produced data: RC drilling program

Location of data: Attachment 9, EL182007_200906_10_RCcollsvyks.txt

Date: 14th June 2008

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: Drill Rig PRD Multi Star 2000

Definition of codes: See metadata for Attachment 7 above

Metadata for Attachment 10 – RC Drill Logs with Primary Analyses for Kara North Prospect

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

Tenement Name: Hampshire 2, EL 18/2007

Activity which produced data: RC drilling program and XRF analysis

Location of data: Attachment 10, EL182007_200906_11_RC1analyseskn.txt

Date: Drilling June – September 2008, XRF analysis December 2008

Parameters controlling data acquisition: N/A

Contractor producing data: EDrill Pty Ltd (RC Drilling), Amdel (XRF analysis)

Translation parameters required for conversion of data: N/A

Equipment used to generate data: Drill Rig PRD Multi Star 2000 and XRF analysis

Definition of codes: N/A

Metadata for Attachment 11 – RC Drill Logs with Secondary Analyses for Kara North Prospect

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

Tenement Name: Hampshire 2, EL 18/2007

Activity which produced data: RC drilling program and XRF analysis

Location of data: Attachment 11, EL182007_200906_12_RC2analyseskn.txt

Date: June - September 2008 for drilling, XRF analysis December 2008

Parameters controlling data acquisition: N/A

Contractor producing data: EDrill Pty Ltd (RC Drilling), Amdel (XRF analysis)

Translation parameters required for conversion of data: N/A

Equipment used to generate data: Drill Rig PRD Multi Star 2000 and XRF analysis

Definition of codes: N/A

Metadata for Attachment 12 – Diamond Core Drill Log for KND001

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 11, EL182007_200906_13_drilllogKND001.pdf

Date: March – 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: N/A

Metadata for Attachment 13 – Diamond Core Drill Log for KND002

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 13, EL182007_200906_14_drilllogKND002.pdf

Date: March – 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: N/A

Metadata for Attachment 14 – Diamond Core Drill Log for BGD001

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 14, EL182007_200906_15_drilllogBGD001.pdf
Date: March – 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: N/A

Metadata for Attachment 15 – Diamond Core Drill Details for All Holes

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 15, EL182007_200906_16_diamonddrilldetails.txt
Date: March – 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: See Metadata for Attachment 6 above

Metadata for Attachment 16 – Diamond Core Collar Surveys for All Holes

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 16, EL182007_200906_17_diamondcollsvy.txt

Date: March – 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: See metadata for Attachment 7 above

Metadata for Attachment 17 – BGD001 Diamond Core Photos

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 17, EL182007_200906_18_BGD001photos.pdf

Date: March – 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: See metadata for Attachment 7 above

Metadata for Attachment 18 – Assay Results for Diamond Core Drill Hole KND001

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 18, EL182007_200906_19_analysesKND001.txt

Date: March – 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 19 – Assay Results for Diamond Core Drill Hole KND002

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 19, EL182007_200906_20_analysesKND002.txt

Date: March – 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 20 – Assay Results for Diamond Core Drill Hole BGD001

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 20, EL182007_200906_21_analysesKND002.txt

Date: March – 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, XRF

Definition of codes: N/A

Metadata for Attachment 21 – Surface Sampling Analytical 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 21, EL182007_200906_22_analysessurfsample.txt

Date: March – 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: Auger, AAS, XRF

Definition of codes: N/A