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ASX Limited
Company Announcements Office

ASX : FNT

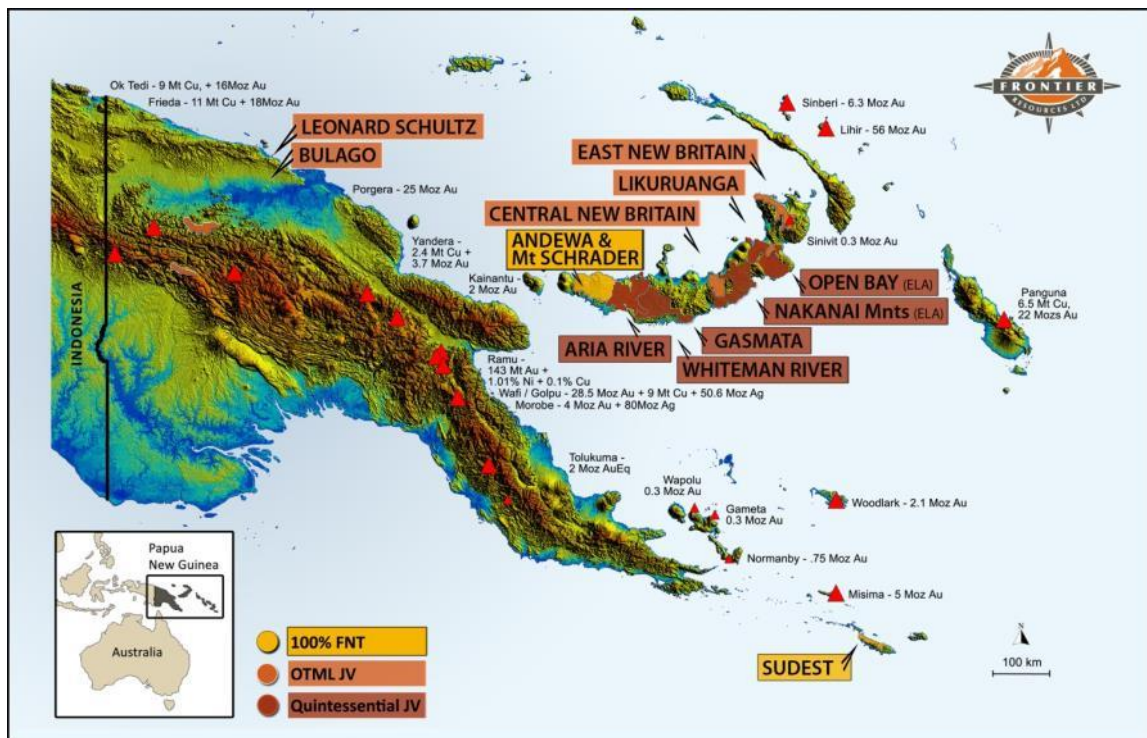
31st July 2013

Technical Report – Quarter Ended 30th June 2013

Frontier Resources Ltd is an innovative and socially responsible junior mineral explorer. The Company is focussed on a highly prospective portfolio of Exploration Licences (ELs) in Papua New Guinea (Figure 1). The ELs host porphyry copper+/- gold +/-molybdenum, porphyry gold and epithermal gold prospects.

The Company has a 100% interest in 9 Exploration Licences plus a 50% interest in 3 ELs + 2 ELAs that are highly prospective for the discovery and delineation of porphyry copper+/- gold +/-molybdenum, porphyry gold and epithermal gold deposits.

Five ELs are 100% funded by Earn-In Joint Venture partner Ok Tedi Mining Limited. Newcrest Mining Ltd withdrew from the Andewa Project JV during the Quarter, after investing \$6.87 million in drilling /exploration. The 50%-50% contributing Joint Venture with Quintessential Resources Ltd did not undertake any field work.



ANDEWA PROJECT

Newcrest Mining Limited (Newcrest) elected to withdraw from the Farm-in Agreement on the Mt Andewa and Mt Schrader exploration licences (EL 1345 + EL 1951) in Papua New Guinea effective 21 June 2013, after investing \$6.87 million in drilling and evaluating the project since January 2012. The project will continue to be 100% owned by Frontier.

Frontier Chairman/ Managing Director Peter McNeil M.Sc., stated:

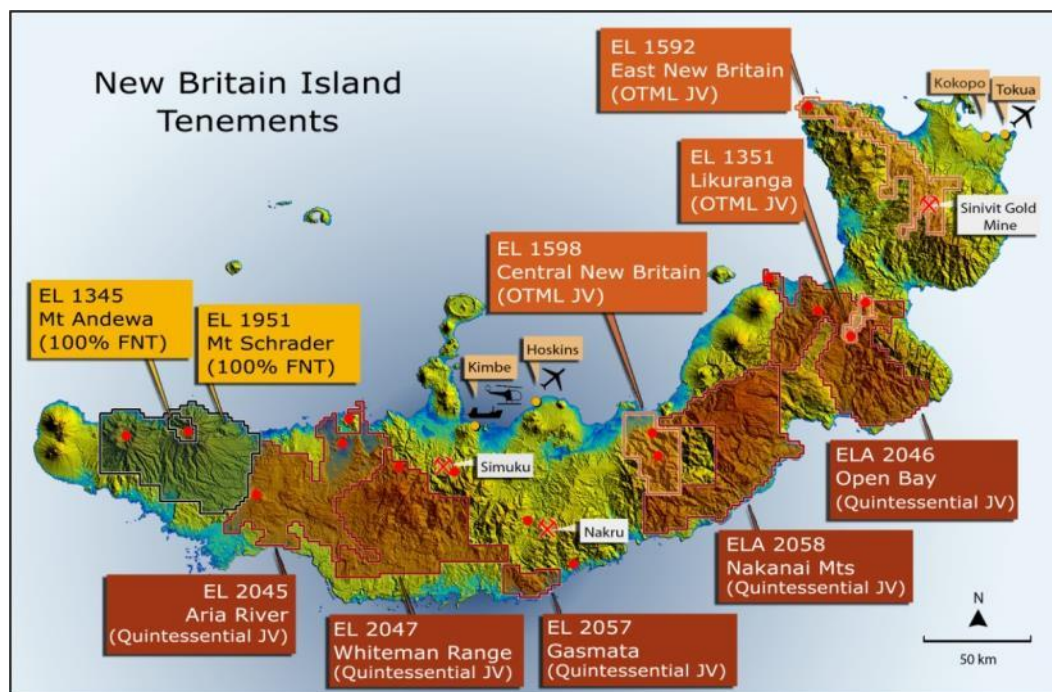
Newcrest has been an excellent Farm-in partner to work with at all levels of engagement and they are thanked for their assistance and partnership on the Andewa Project. \$6.87 million has been invested in drilling and evaluating the project since January 2012, with eight holes completed for 6,014.3m prior to Newcrest's withdrawal. Forty holes have been completed in total for 12,466.1m.

Wide intercepts of low grade gold with higher grade internal zones and weak copper were returned from the deep diamond core drill holes ADH014 to 018, including hole 17 with approximately 1,000m (downhole) grading 0.10 g/t gold including 2m of 3.95 g/t gold at the end of hole (770m vertically).

Figures 3-8 show grid infill soil geochemistry and drill summary plans and the large and prospective area remaining to be drill evaluated at Andewa. The distance between the exploratory holes is still between 3,000m and 750m and Frontier has demonstrated gold mineralisation over an 834m vertical interval in the ADH017 zone (Ehgin) and over an 885m vertical interval in the ADH001/ 012/ 014 zone (Waiu).

Evaluation of alteration and mineralisation progressively deeper in these drill holes suggests good higher-grade mineralisation potential exists to the "south" (SE, S or SW) or at depth from hole ADH014. Geochemical trends from assays downhole also makes the conclusion that this is a viable target that is proximal to the best drill gold-copper mineralisation intersection to date in ADH001 and the region will be drill targeted in the future when possible by Frontier.

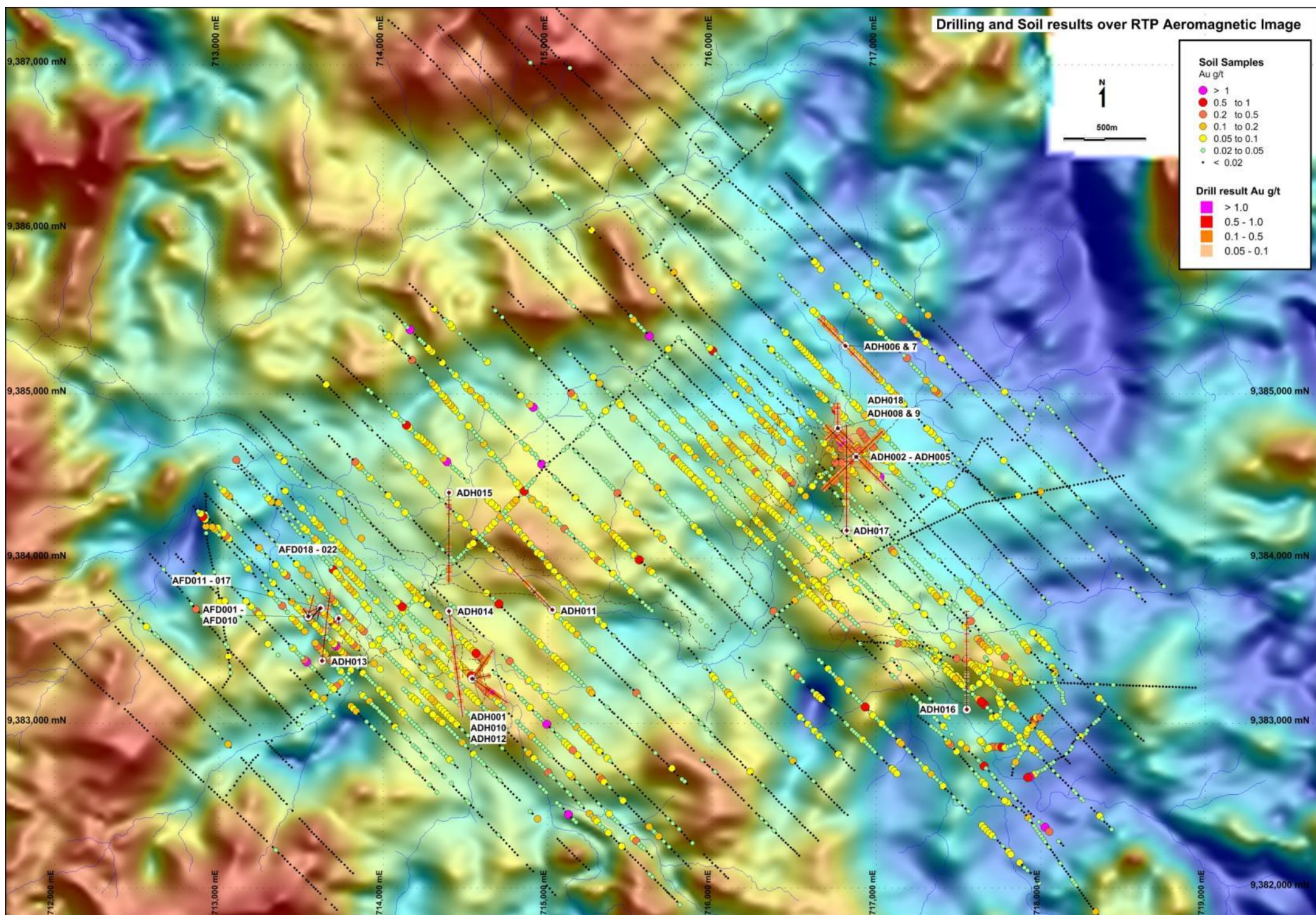
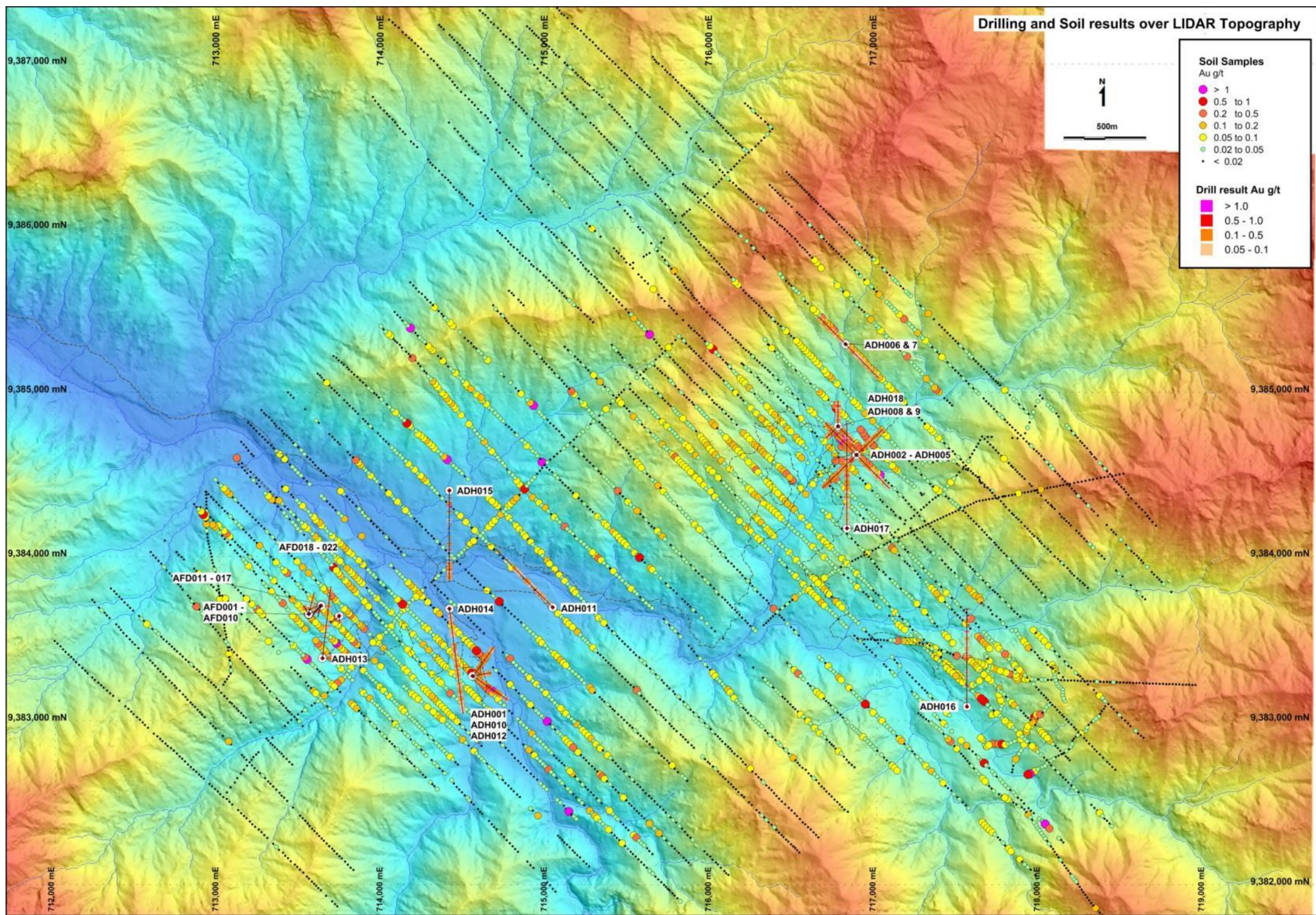
Hole ADH 014 has its main zone of mineralisation from 327.5m to 918.0m (590.5m) grading 0.11g/t gold + 0.07% copper. The hole was terminated in 2m grading 0.54 g/t gold at 1,004m downhole and it increased markedly in gold, copper, molybdenum, arsenic and antimony at depth, with a 79.4m intercept grading 0.11g/t gold + 0.10% copper from 838.6m to 918.0m.

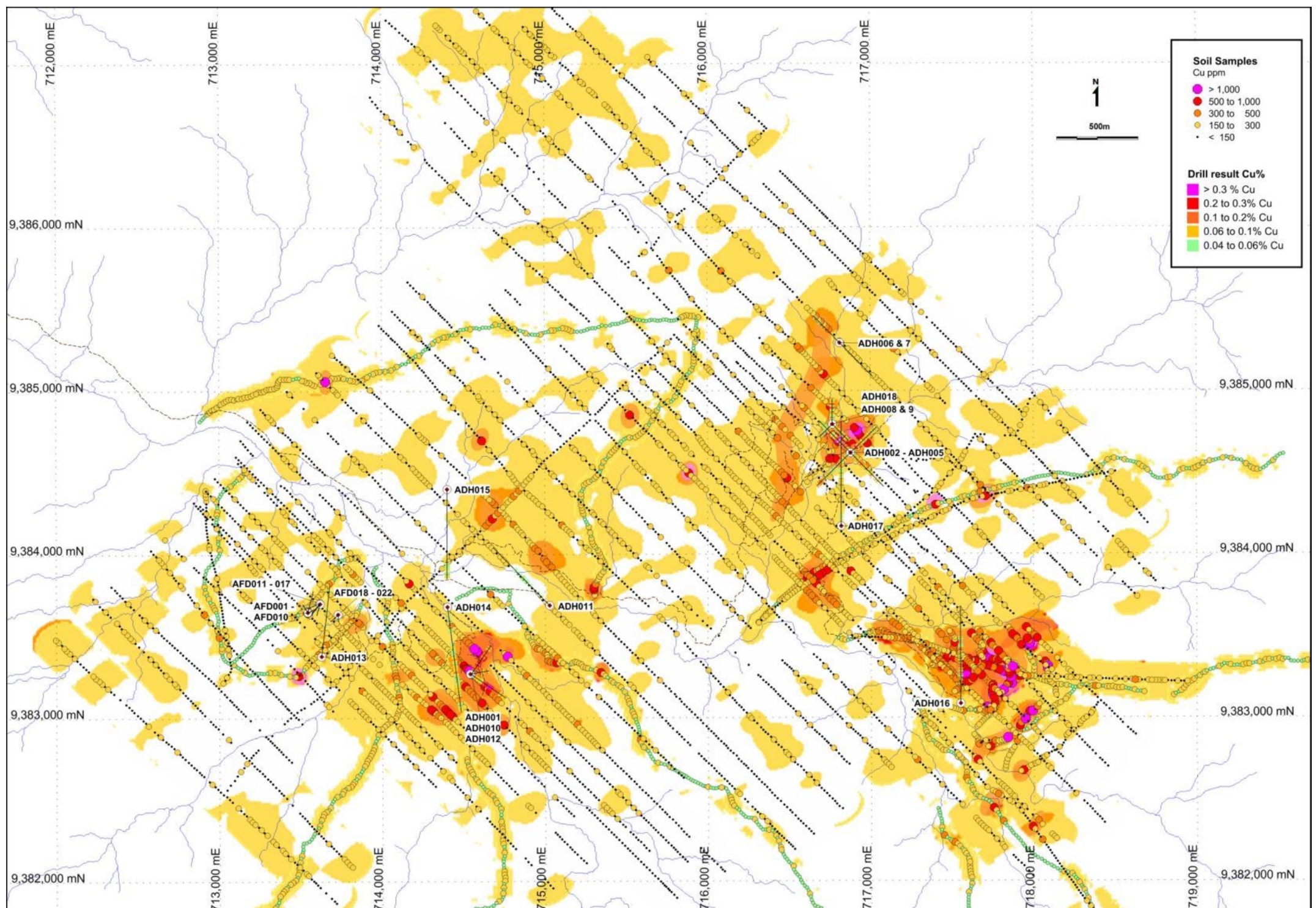
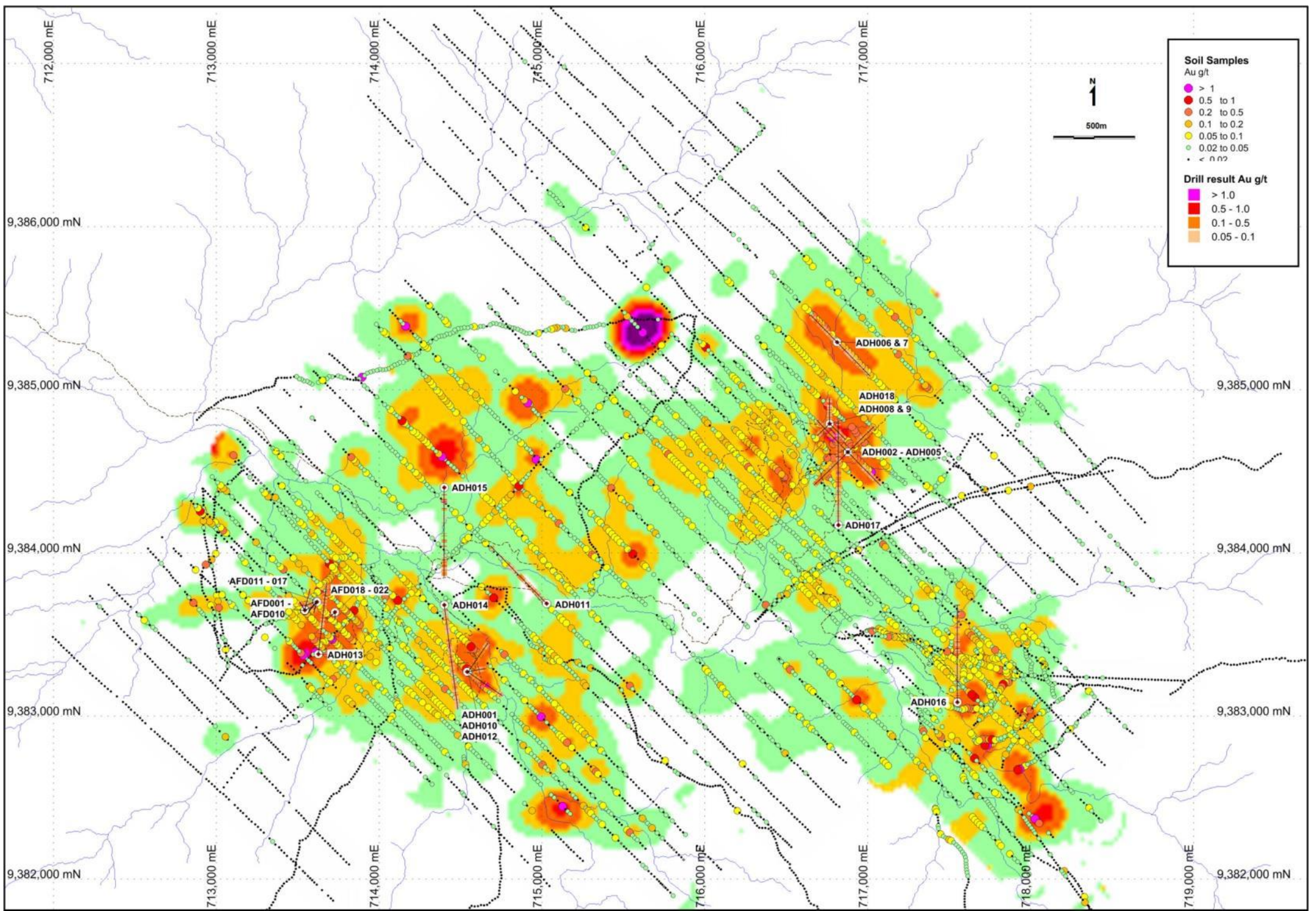


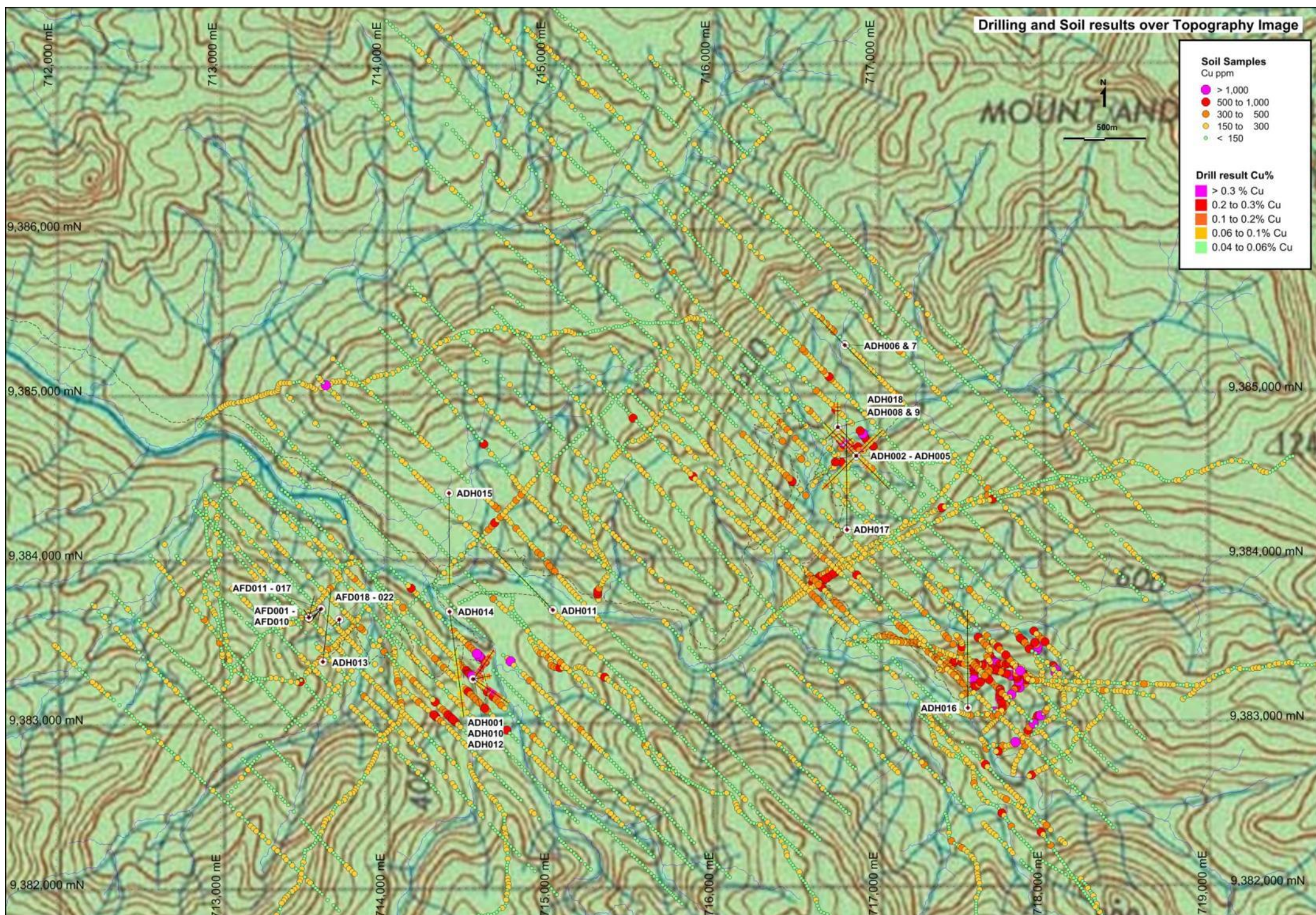
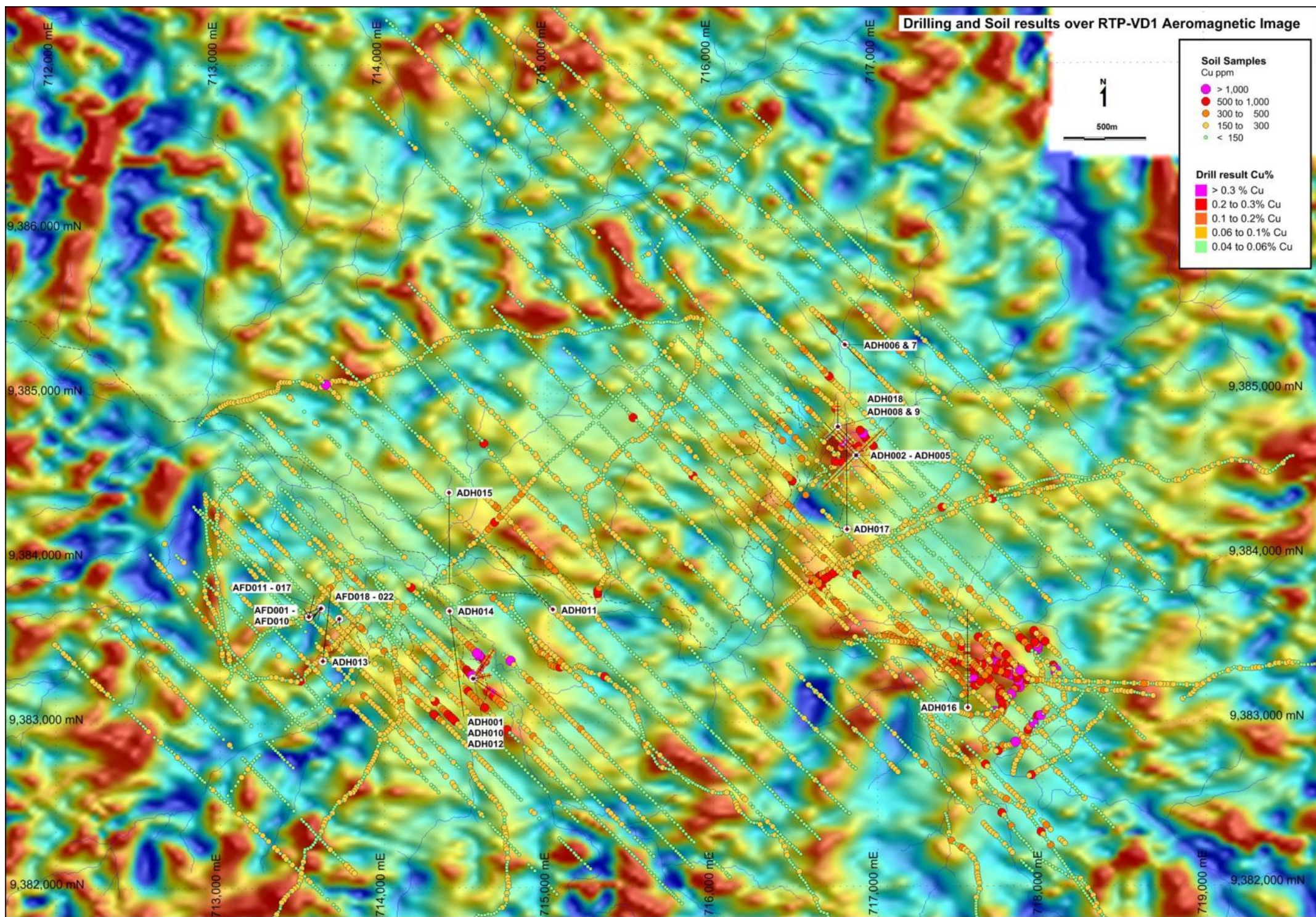
The Komsen Structure appears to trend ESE (with a steep northern dip) from where drilled toward the strongest RTP magnetic anomaly on the Andewa gridded area, which is located about 1.5km to the SE of holes ADH001/ ADH010 /ADH014. Komsen may be a radial mineralised structure trending from this possible source area. Mineralisation (gold and arsenic) increases at the bottom of hole ADH011 suggesting approaching mineralisation and this is where the hole is trending into the second strongest RTP anomaly.

The Komsen gold mineralised structure has high grade drill intercepts have included 2m of 32.55 (from 37.4m), 2m of 15.25 g/t gold (from 99.0m), 10.8m at 6.99 g/t gold (from 127.4m), 1m of 2.69 g/t gold + 2m of 1.39 g/t gold (from 279.6m). Hole ADH013 drilled 1.5m grading 39.3 g/t gold (from 450m downhole or 320m below surface) and it has 22 zones with >0.1 g/t gold up to 24m wide and increasing in width downhole and closer to the main WNW trending structure in the river . The Komsen and other gold mineralised structures will also be further targeted.

In addition, there are several known untested gold mineralised zones (from reconnaissance sampling) that are to the west of Komsen and SE of ADH001 on the margins of the RTP magnetic anomaly. These anomalies will be targeted when possible in the future. Frontier has demobilised the drilling and earthmoving equipment from Andewa to our Kimbe storage/ workshop.







OK TEDI MINING LIMITED JOINT VENTURES (OTML EARNING 58.0 to 80.1%)

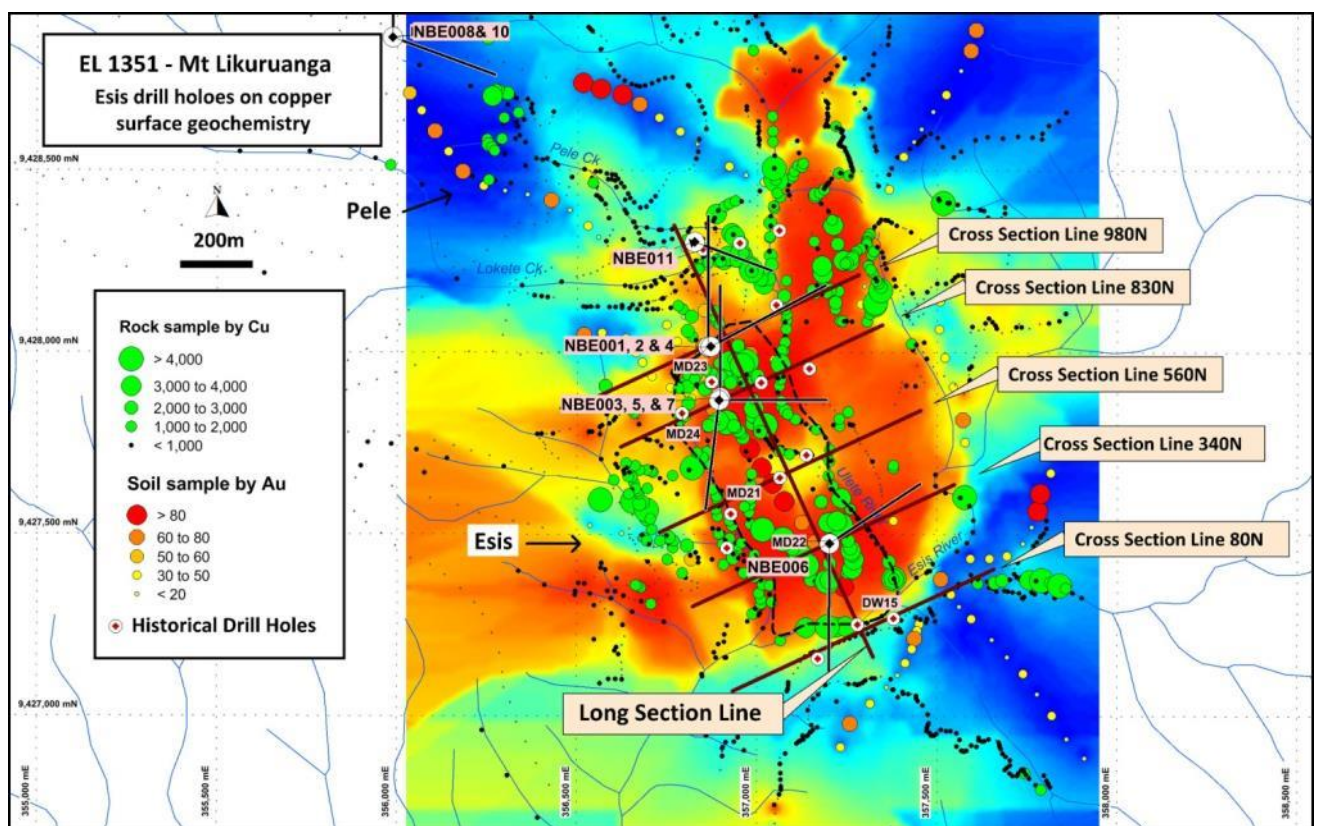
In May 2010 Frontier and OTML /PNGSDF established 2 Joint Ventures that relate to 3 ELs and 2 EL Applications in PNG (the ELAs were since been granted) (Figure 1).

- OTML have the option to earn 58% of EL 1595 and EL1597 and the option to earn 80.1% of ELs 1351, 1592 and 1598 by spending US\$12 million on each EL within 6 years.
- Frontier is carried from completion of earn-in to the completion of a Bankable Feasibility Study, with pro-rata (carried) repayments from 50% of its future metal sales.
- Frontier's equity is non-dilutable in ELs 1351, 1592 & 1598 if the PNG government elect to participate in the project at the time of granting of a Mining Lease.

LIKURUANGA - EL 1351

Esis Prospect - Results were received for drill holes NBE010, 011 and 012 and that completes the program.

Holes 10 and 11 have no significant intercepts for gold or copper and were drilled to the north of the main Esis Project site at the Pele Prospect. NBE012 was the final infill hole returned from the 2012 program to define the continuity of the copper anomalism at Esis.



NBE012 drilled 176.6 metres at 0.17 percent copper (0.1 cut-off) from 7.4m to 184m down hole plus 150m at 0.25 percent copper (0.2 cut-off) from 250m. The first broad intercept contains 4 higher grade zones being 15.5m @ 0.29 %Cu from 20.5m, 19m @ 0.21 %Cu from 55m, 12m @ 0.19 %Cu from 126m and 6.5m @ 0.30 %Cu from 147.5m

NBE010 was designed to test the surface gold anomalism to the north and was drilled on the same pad as NBE008, with a northerly orientation. It failed to intersect the copper noted in NBE008 (drilled to the south east) and returned no significant gold mineralisation.

NBE011 was terminated early at 54m and redrilled as NBE013. The hole was terminated before reaching mineralisation.

NBE012 was drilled on the same pad as NBE015, but in the opposite direction to test the continuity of mineralisation to the south towards (between at depth) cored holes NBE009 and NBE006. The results confirm continuity of mineralisation between the holes.

The drill assays contain no significant gold results and as such, it is not reported here.

Hole	East	North	RL	Dip/Azi	Recovery
NBE010	355987	9428866	1026.79	-60/0	90
NBE011	356825	9428306	712.053	- 55/110	NR
NBE012	357060	9427629	644.5	- 60/147	92

Hole ID	from (m)	to (m)	Length (m)	Cu (%)	Cut off
NBE010 entire hole average			242	0.03	NA
NBE011 entire hole average			54	0.02	NA
NBE012	7.4	184.0	176.6	0.17	0.1
including	20.5	36.0	15.5	0.29	0.2
also	55.0	74.0	19.0	0.21	0.2
also	126.0	138.0	12.0	0.19	0.2
also	147.5	154.0	6.5	0.30	0.2
	212.0	222.0	10.0	0.10	0.1
	250.0	400.0	150.0	0.25	0.2
including	325.5	340.0	14.5	0.42	0.4
<i>entire hole average</i>			398.6	0.18	NA

Note: Reference datum is AMG Zone 56, AGD 66 – Easting's and Northing's are GPS pickup: RL calculated from distance - dip field surveying.

EAST NEW BRITAIN – EL 1592

Exploration consisted of trenching, soil sampling and detailed mapping across the NNW strike extensions of the magnetite skarn bodies (in trench) at the Doilene region. Results will be announced when they are received and collated.

GASMATA – EL 2057

A reconnaissance exploration soil and rock sampling program was conducted over the Bullseye Target in early 2013 and the program confirmed that altered intrusives are present in the NW sector of the EL. The alteration and presence of intrusives confirmed the possibility for locating porphyry copper mineralisation within the EL. Plans are currently being finalised for release.

CORPORATE

Frontier's intent for the second half of 2013 is to compile and interpret all data for the ELs, reduce the total EL area held (in line with the normal requirements of the PNG Mining Act and to reduce 'rent' costs) and subsequently to produce 'optimal' future exploration programs for each tenement. No field work is planned for the remainder of 2013, unless the general 'market' sentiment improves.

Expenditure has been minimised, management are working /being paid less and directors reduced their annual fees by a total of \$60,000pa subsequent to the first quarter of 2013.

A modest capital raising may be required later in 2013 to fund corporate costs and expenditure + work program commitments for 2014, dependent on timing of cash flows from Torque (as discussed below).

Frontier holds approximately 16% of Torque Mining Ltd (Torque is a “spin off” from Frontier of its former Tasmanian properties), plus a 5% direct interest in Torque's modest Stormont Gold deposit, plus a 10% carried interest to completion of Bankable Feasibility Study in several additional ELs. Torque Mining Ltd is a significant asset to Frontier.

- Torque established a Joint Venture with BCD Resources Ltd to mine and process the Stormont gold Resource and it should receive significant cash flow from the proposed operation later in 2013.
- The Feasibility Study is progressing well and the JV commenced reverse circulation drilling last week at

Stormont, to estimate a reserve and for mining and for subsequent grade control.

- The required studies have been submitted to and accepted by Mineral Resources Tasmania, advertising for public comment is almost complete and no objections are anticipated.
- Torque will reimburse Frontier for about \$200,000 in costs carried from mid-2012 from the proposed Stormont Mine when it receives cash flow from processing and will also purchase Frontier's Tasmanian based drill rigs and capital equipment for \$550,000. In addition, Frontier's direct 5% equity in the mine will generate a significant cash payment later in 2012/2013.
- These payments will ultimately assist Frontier's cash position and enable the Company to conduct exploration on its PNG projects as appropriate.

Frontier owns a 10% interest (7,280,014 shares) in Quintessential Resources Ltd (ASX:QRL) and has established a 50% - 50% contributing Joint Venture on 3 ELs + 2 ELAs belonging to each company on the island of New Britain. Quintessential announced high grade copper, silver and gold drilling results from its Irak skarn targets and is compiling results from for announcement from multiple gold exploration programs conducted on its D'Entrecasteaux Island tenements.

All Frontier's tenements are currently in good standing with the Mineral Resource Authority in Papua New Guinea and do not require expenditure or exploration until 2014 (except the Aria River and Whiteman Range ELs in JV with Quintessential where commitment variations will be requested).

Significant ASX announcements released subsequent to the last quarterly report were:

7 th June 2013	Newcrest Withdraws from the Farm-In Agreement on the Andewa Project
19 th June 2013	Cash Position and Strategy Going Forward

For additional information relating to Frontier Resources and/ or its projects, please visit the Company's website at www.frontierresources.com.au.

FRONTIER RESOURCES LTD



P.A.McNeil, M.Sc.
CHAIRMAN / MANAGING DIRECTOR

The information in this report that relates to Exploration Results and Mineral Resources is based on information compiled by, or compiled under the supervision of Peter A. McNeil - Member of the Aust. Inst. of Geoscientists. Peter McNeil is the Managing Director of Frontier Resources, who consults to the Company. Peter McNeil has sufficient experience which is relevant to the type of mineralisation and type of deposit under consideration to qualify as Competent Person as defined in the 2004 Edition of the Australasian Code of Reporting Exploration Results, Mineral Resources and Ore Resources. Peter McNeil consents to the inclusion in the report of the matters based on the information in the form and context in which it appears.

Appendix 5B

Mining exploration entity quarterly report

Introduced 1/7/96. Origin: Appendix 8. Amended 1/7/97, 1/7/98, 30/9/2001.

Name of entity

FRONTIER RESOURCES LIMITED

ACN

095 684 389

Quarter ended ("current quarter")

June 2013

Consolidated statement of cash flows

Cash flows related to operating activities	Current quarter \$A'000	Year to date 12 Months \$A'000
1.1 Receipts from product sales and related debtors	110	3,133
1.2 Payments for (a) exploration and evaluation	(116)	(2,501)
(b) development		
(c) production		
(d) administration	(154)	(1,087)
1.3 Dividends received		
1.4 Interest and other items of a similar nature received	2	37
1.5 Interest and other costs of finance paid		
1.6 Income taxes paid		
1.7 Other Expenditure reimbursable by others		
Net Operating Cash Flows	(158)	(418)
Cash flows related to investing activities		
1.8 Payment for purchases of:		
(a) prospects		
(b) investment in listed entity		(619)
(c) other fixed assets		(8)
1.9 Proceeds from sale of:		
(a) prospects		
(c) other fixed assets	43	49
1.10 Loans to other entities	(193)	(271)
1.11 Loans repaid by other entities		
1.12 Other (provide details if material)		
Cash held by subsidiary no longer consolidated		(976)
JV contributions on tenements	180	1,438
JV spending on tenements	433	(1,382)
Net investing cash flows	613	(1,729)
1.13 Total operating and investing cash flows (carried forward)	455	(2,147)

+ See chapter 19 for defined terms.

Appendix 5B
Mining exploration entity quarterly report

1.13	Total operating and investing cash flows (brought forward)	455	(2,147)
Cash flows related to financing activities			
1.14	Proceeds from issues of shares, options, etc. net of costs		20
1.15	Proceeds from sale of forfeited shares		
1.16	Proceeds from borrowings		
1.17	Repayment of borrowings		
1.18	Dividends paid		
1.19	Other (provide details if material)		
	Net financing cash flows	-	20
Net increase (decrease) in cash held			
		455	(2,127)
1.20	Cash at beginning of quarter/year to date	280	2,862
1.21	Exchange rate adjustments to item 1.20	(1)	(1)
1.22	Cash at end of quarter	734	734

Payments to directors of the entity and associates of the directors
Payments to related entities of the entity and associates of the related entities

		Current quarter \$A'000
1.23	Aggregate amount of payments to the parties included in item 1.2	72
1.24	Aggregate amount of loans to the parties included in item 1.10	

1.25 Explanation necessary for an understanding of the transactions

Consulting Fees and Director Fees

Non-cash financing and investing activities

2.1 Details of financing and investing transactions which have had a material effect on consolidated assets and liabilities but did not involve cash flows

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2.2 Details of outlays made by other entities to establish or increase their share in projects in which the reporting entity has an interest

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+ See chapter 19 for defined terms.

Financing facilities available

Add notes as necessary for an understanding of the position.

	Amount available \$A'000	Amount used \$A'000
3.1 Loan facilities		
3.2 Credit standby arrangements		

Estimated cash outflows for next quarter

	\$A'000
4.1 Exploration and evaluation	300
4.2 Development	
4.3 Production	
4.4 Administration	100
Total	400

Reconciliation of cash

Reconciliation of cash at the end of the quarter (as shown in the consolidated statement of cash flows) to the related items in the accounts is as follows.

	Current quarter \$A'000	Previous quarter \$A'000
5.1 Cash on hand and at bank	664	20
5.2 Deposits at call	70	260
5.3 Bank overdraft		
5.4 Other – cash held by subsidiary		
Total: cash at end of quarter (item 1.22)	734	280

Changes in interests in mining tenements

	Tenement reference	Nature of interest (note (2))	Interest at beginning of quarter	Interest at end of quarter
6.1	Interests in mining tenements relinquished, reduced or lapsed			
6.2	Interests in mining tenements acquired or increased			

+ See chapter 19 for defined terms.

Appendix 5B
Mining exploration entity quarterly report

Issued and quoted securities at end of current quarter

Description includes rate of interest and any redemption or conversion rights together with prices and dates.

	Total number	Number quoted	Issue price per security (see note 3) (cents)	Amount paid up per security (see note 3) (cents)
7.1 Preference +securities <i>(description)</i>	Nil	Nil		
7.2 Changes during quarter (a) Increases through issues (b) Decreases through returns of capital, buy-backs, redemptions				
7.3 +Ordinary securities	304,046,682	304,046,682		
7.4 Changes during quarter (a) Increases through issues (b) Decreases through returns of capital, buy-backs				
7.5 +Convertible debt securities <i>(description)</i>	Nil	Nil		
7.6 Changes during quarter (a) Increases through issues (b) Decreases through securities matured, converted				
7.7 Options <i>(description and conversion factor)</i>			<i>Exercise price</i>	<i>Expiry date</i>
	200,000		4.0 cents	19-Oct-13
	4,500,000		11.0 cents	30-Dec-14
	2,220,000		16.5 cents	30-Dec-14
	2,320,000		11 cents	30-Dec-14
7.8 Issued during quarter				
7.9 Exercised during quarter				

+ See chapter 19 for defined terms.

7.10	Expired during quarter				
7.11	Debentures <i>(totals only)</i>	Nil	Nil		
7.12	Unsecured notes <i>(totals only)</i>	Nil	Nil		

Compliance statement

- 1 This statement has been prepared under accounting policies which comply with accounting standards as defined in the Corporations Act [or other standards acceptable to ASX](#) (see note 4).
- 2 This statement does give a true and fair view of the matters disclosed.



Sign here: Date: 31 July 2013
(Company secretary)

Print name: Jay Stephenson

Notes

- 1 The quarterly report provides a basis for informing the market how the entity's activities have been financed for the past quarter and the effect on its cash position. An entity wanting to disclose additional information is encouraged to do so, in a note or notes attached to this report.
- 2 The "Nature of interest" (items 6.1 and 6.2) includes options in respect of interests in mining tenements acquired, exercised or lapsed during the reporting period. If the entity is involved in a joint venture agreement and there are conditions precedent which will change its percentage interest in a mining tenement, it should disclose the change of percentage interest and conditions precedent in the list required for items 6.1 and 6.2.
- 3 **Issued and quoted securities** The issue price and amount paid up is not required in items 7.1 and 7.3 for fully paid securities.
- 4 The definitions in, and provisions of, *AASB 1022: Accounting for Extractive Industries* and *AASB 1026: Statement of Cash Flows* apply to this report.
- 5 **Accounting Standards** ASX will accept, for example, the use of International Accounting Standards for foreign entities. If the standards used do not address a topic, the Australian standard on that topic (if any) must be complied with.

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