

BOARD & MANAGEMENT

Glenn Davis - Chair
 Michael Schwarz - MD
 Gary Ferris - NED
 Jarek Kopias - Co Sec

CAPITAL STRUCTURE

Ordinary Shares
 Issued 122.2M

Options
 Issued 3.0M

Performance rights
 Issued 3.7M

CONTACT

Address:
 Level 3, 170 Greenhill Rd
 PARKSIDE SA 5063

Email:
info@itechminerals.com.au

Website:
www.itechminerals.com.au



QUARTERLY ACTIVITIES REPORT FOR THREE MONTHS ENDED 31 DECEMBER 2023

- Drilling continues at the Lacroma Graphite Prospect on the Eyre Peninsula, South Australia
- Significant graphite assays from the drilling at Central Lacroma received from this quarter include:
 - LARC23-108 – 93m @ 6.9% TGC from 64m
 incl 12m @ 8.0% TGC from 67m
 and 43m @ 8.4% TGC from 85m
 - LARC23-109 – 74m @ 7.7% TGC from 85m
 incl 53m @ 8.3% TGC from 104m
 - LARC23-110 – 73m @ 7.1% TGC from 102m
 incl 38m @ 8.3% TGC from 137m
 - LARC23-111 – 43m @ 7.5% TGC from 137m
 incl 14m @ 10.0% TGC from 161m
 - LARC23-113 – 92m @ 6.7% TGC from 30m
 incl 25m @ 8.3% TGC from 38m
 - LARC23-114 – 92m @ 5.7% TGC from 21m
 incl 6m @ 7.9% TGC from 30m
 and 12m @ 8.1% TGC from 93m
 - LARC23-115 – 86m @ 5.4% TGC from 7m
 incl 8m @ 9.5% TGC from 50m
 and 10m @ 7.7% TGC from 81m
 - LARC23-116 – 29m @ 6.8% TGC from 37m
 incl 7m @ 9.6% TGC from 45m
 - LARC23-117 – 39m @ 5.2% TGC from 1m
 incl 7m @ 7.9% TGC from 2m
- A total of 145 drill holes for 15,850m of drilling have been completed at Lacroma Central with an average depth of 110m.
- Ongoing drilling in this quarter focussed on the southern 1km of strike and continue to intersect graphite mineralisation suggesting continuation of mineralisation to the south. Results of this drilling will be reported in the next quarter.
- Resource drilling now covers over 1.6km of strike.
- Once resource drilling is complete, the drill rig will move ~2km to test the Lacroma North Graphite Prospect.

iTech Minerals Ltd (ASX: ITM, iTech or Company) is pleased to present its Quarterly Activities Report for the period ended 31 December 2023.

Lacroma Graphite Prospect Drilling Program

Drilling is continuing as planned at the Lacroma Graphite Prospect (Figures 1 and 2). Over 15,850m of reverse circulation (RC) drill program has been completed (Figure 2), at the Central Lacroma drill target, to test both the length and width of a 6km long Airborne Electromagnetic (AEM) anomaly (ASX Release on 5 April 2023, Major Drilling Program Underway at the Lacroma Graphite Prospect). iTech is now focussed on resource drilling in a central 1-2km zone of the 4km area drilled to date.

Drill results released to date have defined an extensive graphite horizon which extends up to ~200m across strike, from surface to >175m deep, strikes NNW-SSE and dips ~45° to the east. The mineralisation has a true thickness of up to ~ 80m of 5-7% TGC with a 25m thick high-grade core of 8-9% TGC (Figure 3).

Drill results received this quarter are from the northern 500m of the resource area.

iTech located these drillholes based on the main trend of the airborne electromagnetic anomaly and has interpreted that the thickest mineralisation is located just to the west of the electromagnetic high (peak) (Figure 2). While the assays from these traverses demonstrate that mineralisation extends north over 500m and remains open, it appears that the three northern traverses have hit a thinner zone of graphite mineralisation. A refocus on the southern resource area, during this quarter, has demonstrated that thicker mineralisation extends over an additional 1.1km to the south (Figure 3). Results of this drilling are expected to be received and reported early in the next quarter.

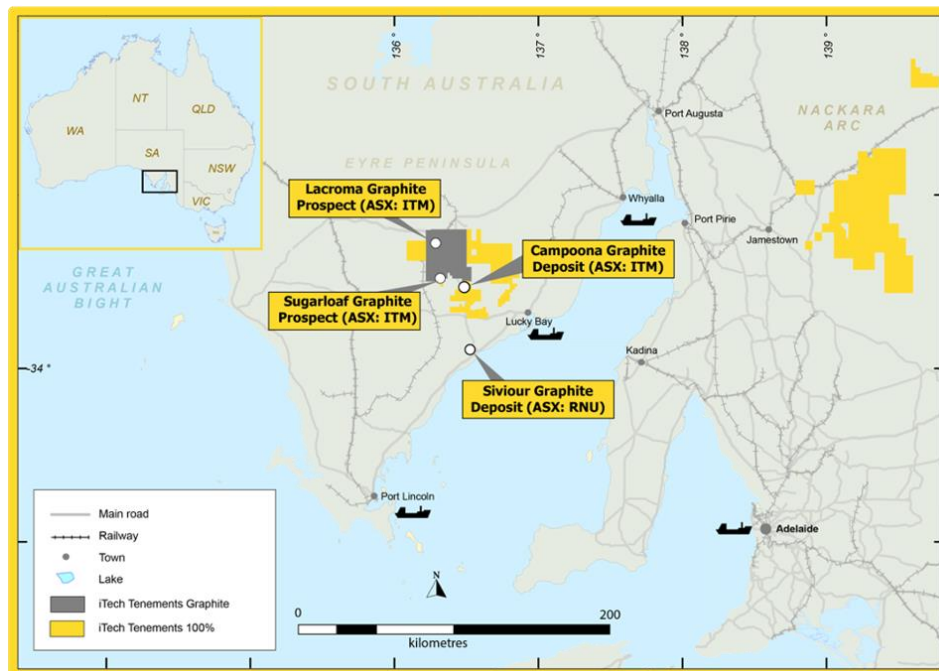


Figure 1. Location of iTech's Graphite Deposits and Prospects – Eyre Peninsula, South Australia

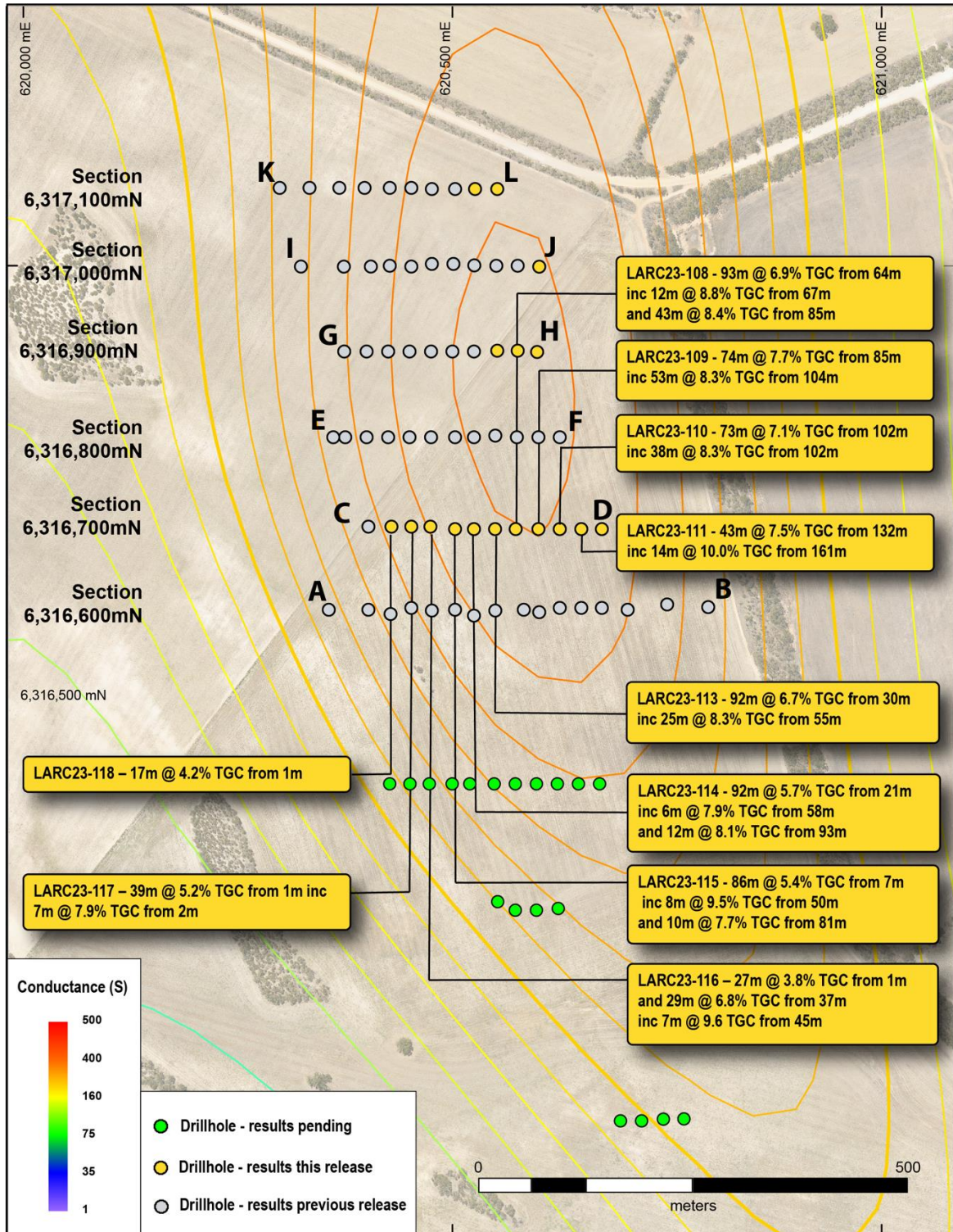


Figure 2. Drill plan of the Lacroma Central Graphite Prospect, showing significant results from the quarter.

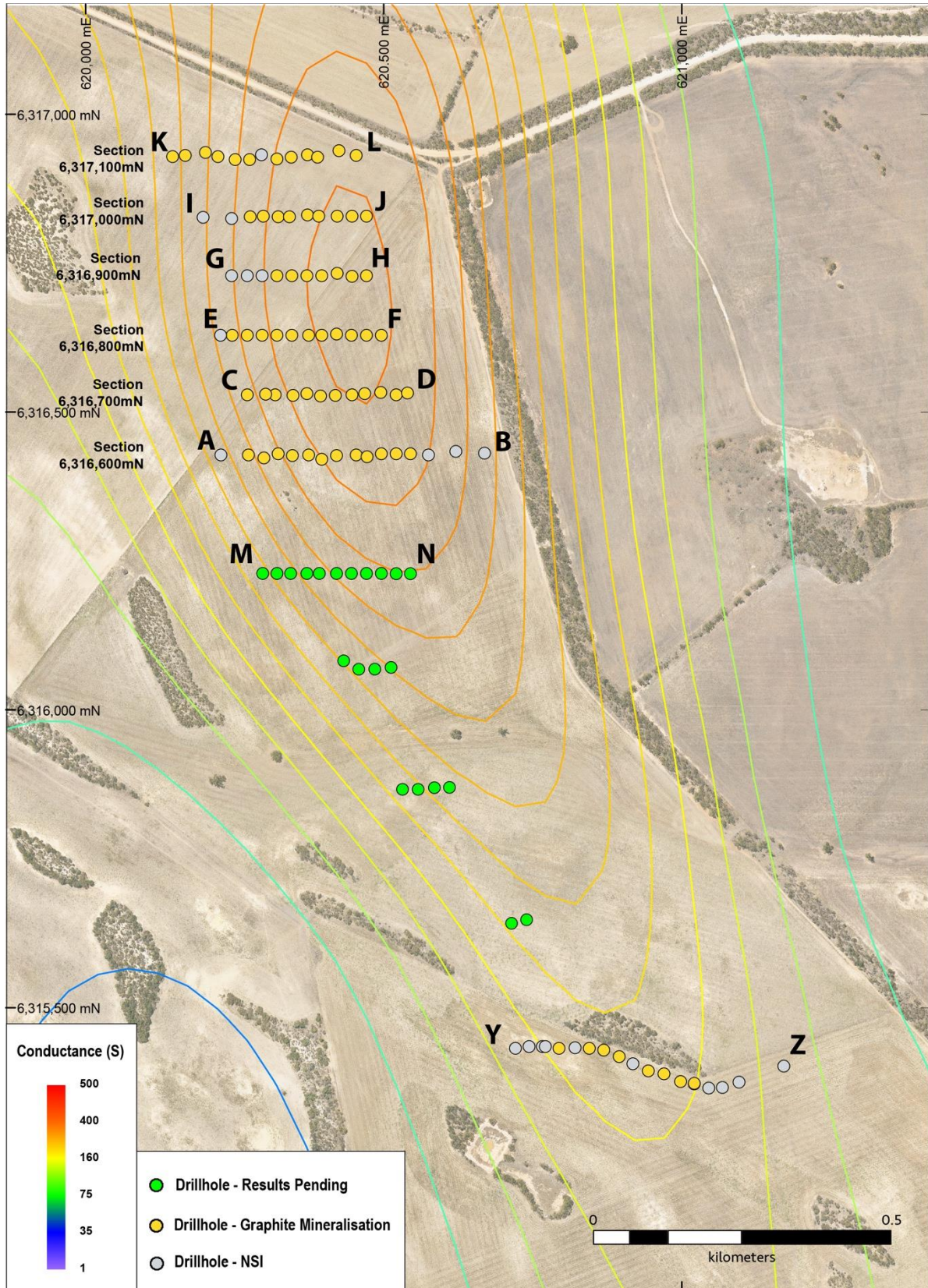


Figure 3. Drill plan of the Lacroma Central Graphite Prospect, showing extent of resource drilling in the southern mineralised zone.

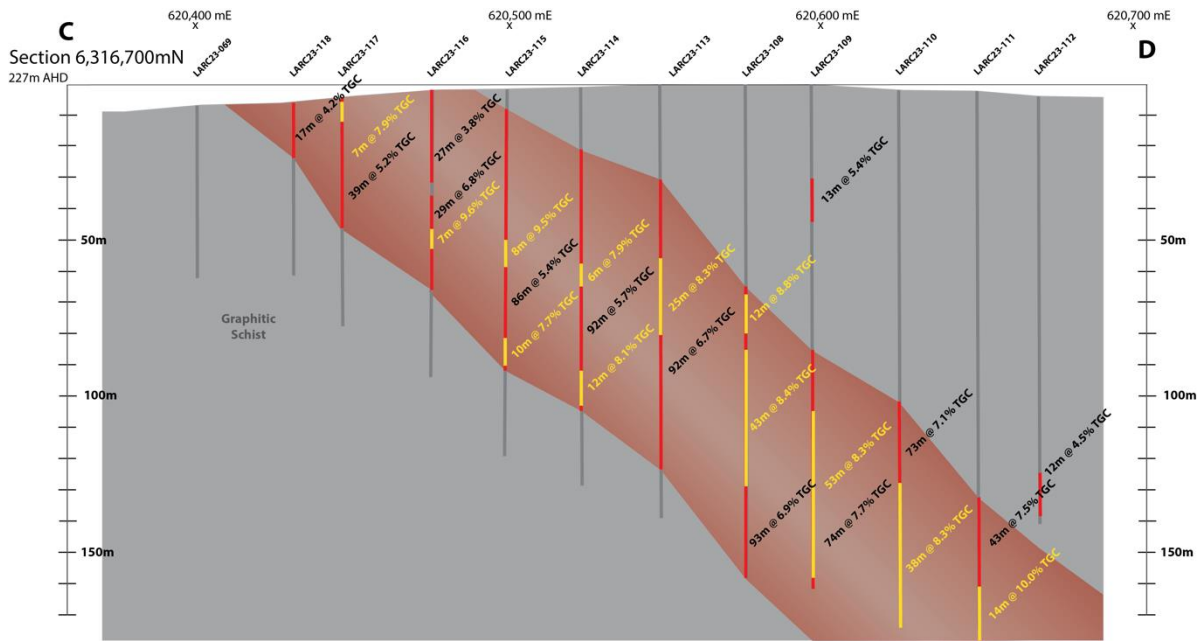


Figure 4. Section 6,316,700mN, East-West section through the Lacroma Central Graphite Prospect – Scale 1:1

Next Steps

Over 145 drill holes have been completed in the Lacroma Central Graphite Prospect. The remaining resource drilling will continue to early February. At this point all drill samples will be submitted to the laboratory for analysis with results expected in early March. Several diamond holes will be drilled, in February, at various locations across the resource area to collect diamond core for geotechnical analysis. All data will then be collated and sent to an independent geological consultancy for resource calculation. The resource calculation is expected to take up to 8 weeks to complete.

At completion of the resource drilling, the RC drill rig will move 2km north, to Lacroma North, to test the potential for further graphite resources along strike from Lacroma Central.

Hole ID	From (m)	To (m)	Interval (m)	TGC (%)
LARC23-105	122	137	15	5.5
incl	128	133	5	7.9
LARC23-106	121	135	14	6.8
incl	121	124	3	10.1
LARC23-107	132	137	5	5.2
and	150	168	18	5.6
incl	162	166	4	11.0
LARC23-108	64	157	93	6.9
incl	67	79	12	8.8
and	85	128	43	8.4
LARC23-109	30	43	13	5.4
and	85	159	74	7.7
incl	104	157	53	8.3
LARC23-110	102	175	73	7.1
incl	137	175	38	8.3
LARC23-111	132	175	43	7.5
incl	161	175	14	10.0
LARC23-112	120	132	12	4.5
LARC23-113	30	122	92	6.7

Hole ID	From (m)	To (m)	Interval (m)	TGC (%)
incl	55	80	25	8.3
LARC23-114	21	113	92	5.7
incl	58	64	6	7.9
and	93	105	12	8.1
LARC23-115	7	93	86	5.4
incl	50	58	8	9.5
and	81	91	10	7.7
LARC23-116	1	28	27	3.8
and	37	66	29	6.8
incl	45	52	7	9.6
LARC23-117	1	40	39	5.2
incl	2	9	7	7.9
LARC23-118	1	18	17	4.2

Table 1. Graphite intersections from infill drilling in the northern Lacroma Central Graphite Prospect.

Lacroma North and Balumbah Graphite Prospects

Following the ongoing success of the Company's graphite drill program at the Lacroma Central Graphite Prospect, the Company has undertaken a review of the graphite potential across its extensive tenure on the Eyre Peninsula with a view to the next best locations to continue to grow the Company's resource inventory. iTech holds 100% interest in graphite rights to over 2,085 km² of exploration licences and a current mining licence (ML 6470) over the Campoona Central Graphite Deposit. iTech's graphite project surrounds the proposed centrally located Sugarloaf Graphite Processing Facility on the multipurpose licence (MPL150) and water infrastructure licence (MPL 151).

As part of the review, iTech compiled and merged over 1,470km² of regional airborne electromagnetic surveys covering a significant portion of its graphite prospective licences. Airborne electromagnetics is a useful tool in identifying graphite potential as it measures the conductivity of rocks beneath the surface over a large area. Graphite is a very conductive mineral, and when it occurs in significant concentrations in the earth's crust, has the potential to be mapped as conductivity anomalies by airborne electromagnetics. Using this method, iTech has identified over 200km of conductive geological horizons, within its licences, likely to be formed by graphite mineralisation (Figure 5).

Sometimes geological features such as salty groundwater and sulphide accumulations can also cause conductivity anomalies. To ensure the Company is mapping anomalies are caused by graphite, iTech only mapped anomalies confirmed as being caused by graphite either in drilling or in outcrop.

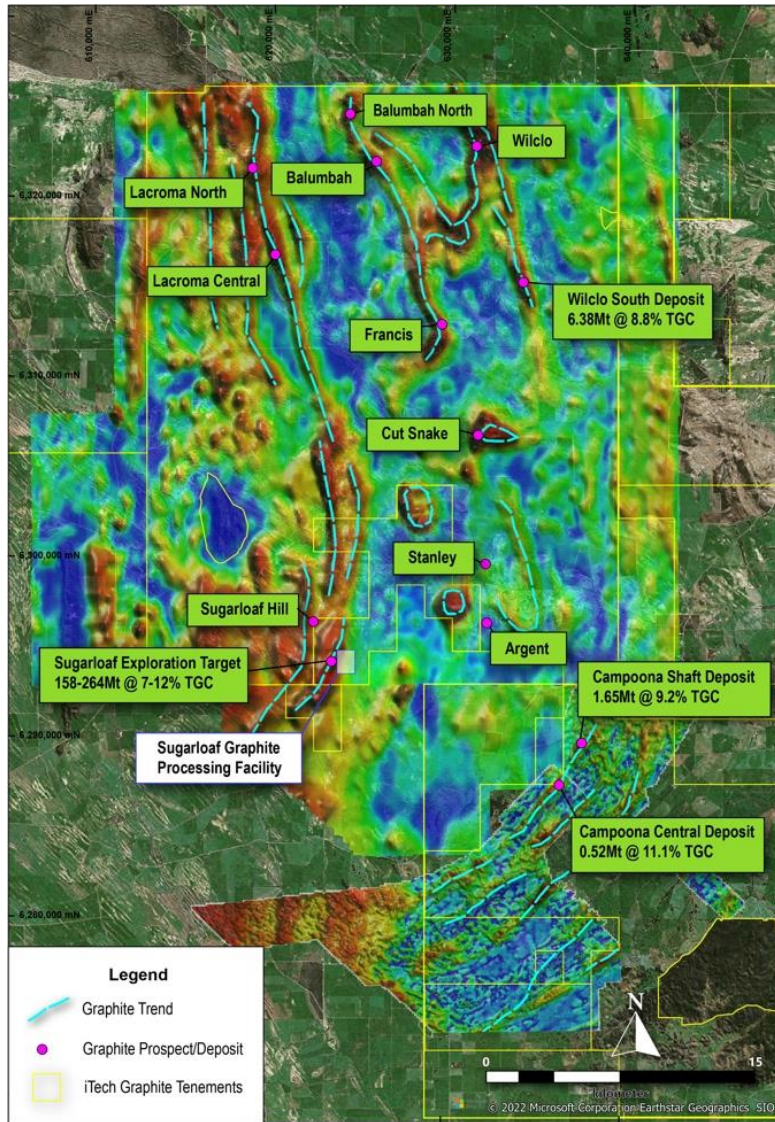


Figure 5. Location of iTech's Graphite Deposits and Prospects on AEM image (conductive horizons appear as red areas) – Eyre Peninsula, South Australia

Lacroma North

The Company has identified Lacroma North as the next best target for the following reasons.

- Lacroma North is just 3.5km north of Lacroma Central, occurs along the same geological horizon and is most likely an extension of the Lacroma Central mineralisation.
- It is likely to have similar positive metallurgical characteristics to Lacroma Central with easy beneficiation using industry standard flotation techniques.
- Is likely to have similar geological characteristics to Lacroma Central, that potentially could support a low-cost mining operation such as:
 - Graphite mineralisation outcrops at the prospect.
 - Deep weathering, clay hosted mineralisation with likely negligible grinding costs.
 - Deep (>60m) groundwater table which means low dewatering costs and easier mining characteristics.
 - Low sulphide content which means more efficient flotation/concentration.
 - Shallow mineralisation/low stripping ratio.
- The electromagnetic anomaly is the same intensity but more than twice the length of the Lacroma central anomaly which suggests more extensive mineralisation.
- Graphite has been logged in historical drilling in two separate horizons over a distance of >1.2km (Env 3583, SARIG, 2023).

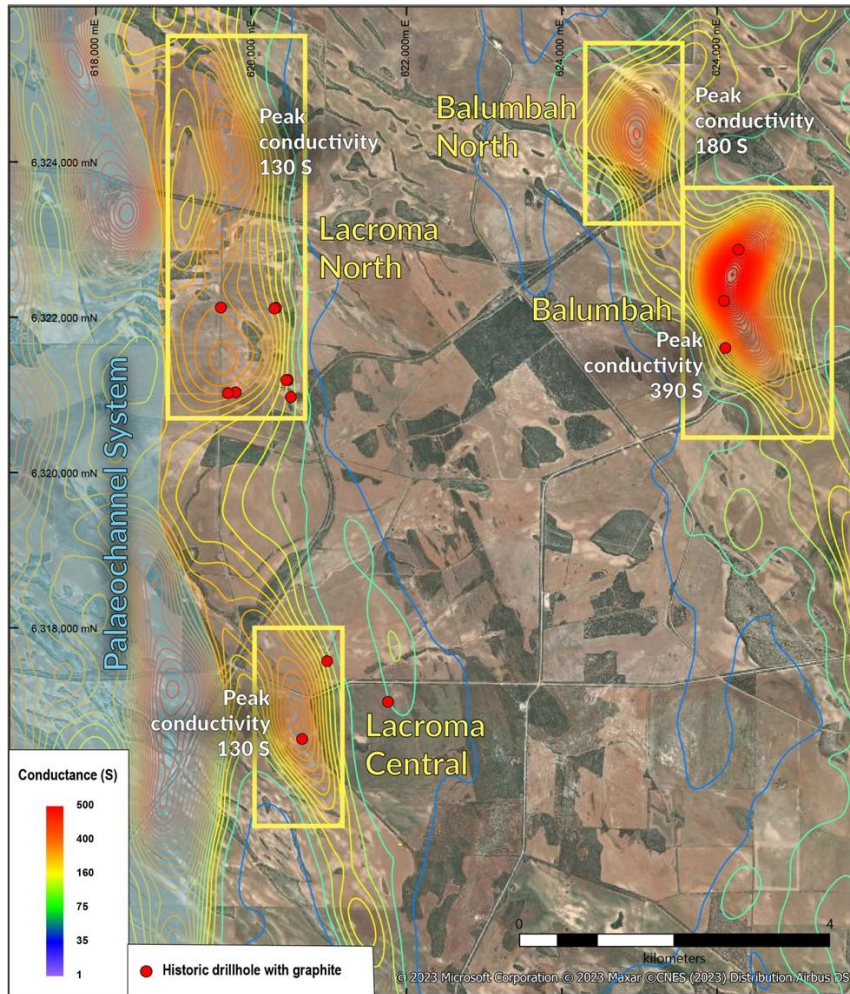


Figure 6. Plan of new graphite drill targets in the vicinity of the Lacroma Central Graphite Prospect. Contours are generated from a 50-100m depth conductivity depth image from a regional airborne electromagnetic survey

Balumbah and Balumbah North

- Balumbah has a very high intensity electromagnetic signature, over 3 times that of Lacroma Central, suggesting potential for higher grades.
- It appears to be on a different geological horizon from Lacroma Central and its metallurgical characteristics are unknown.
- It has shallow graphite mineralisation intersected in several drill holes over a distance of 1.3km which are coincident with the AEM anomaly (Env 3583, SARIG, 2023).
- The prospect appears to be partially obscured by thin (<30m) palaeochannel sediments which could enhance the AEM signature due to overlying salty groundwater. The presence of graphite in drill holes confirms the main anomaly is caused by graphite mineralisation.
- Balumbah North appears to be an extension of Balumbah graphite mineralisation but has never been drill tested.
- Together they constitute a drill target over 5km long.

Prospect	Lacroma Central	Lacroma North	Balumbah	Balumba North
Length	2.3 km	5.0 km	3.0 km	1.5 km
Width	0.5 km	1.0 km	1.0 km	0.8 km
AEM Anomaly peak strength (50-100m)	130	130	390	180
Graphite in historical drilling	Yes, main zone appears to be 1.5km long, up to 95m thick	Yes, two zones identified over 600m apart extending over 1.2km	Yes, graphite in drill holes over 1.3km	No drilling
Best drill result	93m @ 6.9% TGC	Graphite logged in drill holes from 2-38m, ended in mineralisation	Graphite logged in drill holes from 34-60m, ended in mineralisation	n/a
Cover/palaeochannel sediments	Outcrops at surface	Outcrops at surface	~30m of palaeochannel sediments over mineralisation	Unknown

Table 2. Summary of proposed graphite drill targets.

Next Steps

iTech Minerals has secured both land access agreements with relevant landowners at Lacroma North and Balumbah and government drilling approvals. When resource drilling is completed, the drill rig will plan to move to Lacroma North and then Balumbah to assess the potential for further graphite resources.

Corporate

Attached to this report is the Company’s Appendix 5B setting out iTech’s cash flow statement for the quarter. The significant reportable outflows during the quarter include:

- \$1,503,000 spent in relation to exploration activities primarily related to the drilling programs at the Company’s Eyre Peninsula graphite projects. The expenditure was incurred in relation to exploration and resource drilling, corresponding assays, travel, site access, site rehabilitation and labour as well as tenement maintenance costs and metallurgical studies; and
- \$85,000 in payments to related parties. These payments relate to payment of director fees to executive and non-executive directors.

At the end of the December 2023 quarter, the Company had cash at bank of \$3.87 million.

Tenement table

Tenement Number	Project Area	% Interest Held at end of quarter
South Australia		
EL 6363	Eyre Peninsula	100%
EL 6478	Eyre Peninsula	100%
EL 5870	Eyre Peninsula	100%
EL 5791	Eyre Peninsula	100%
EL 6647	Eyre Peninsula	100%
EL 5920	Eyre Peninsula	100% Graphite Rights
EL 6634	Eyre Peninsula	100% Graphite Rights
EL 5794	Nackara Arc	100%
EL 6000	Nackara Arc	100%
EL 6160	Nackara Arc	100%
EL 6351	Nackara Arc	100%
EL 6354	Nackara Arc	100%
EL 6287	Nackara Arc	100%
EL 6637	Nackara Arc	100%
EL 6605	Nackara Arc	100% - reduction in tenement area from 342km ² to 249km ²
EL 6616	Nackara Arc	100% - reduction in tenement area from 206km ² to 151km ²
EL 6676	Nackara Arc	100%
EL 6609	Billa Kalina	100% - reduction in tenement area from 969km ² to 695km ²
EL 6732	Pidinga	100%
ML 6470	Campoona Graphite	100%
MPL 150	Campoona Graphite	100%
MPL 151	Campoona Graphite	100%
New South Wales		
EPM 8871	Crowie Creek	100%

There have been no changes to tenement ownership during the quarter.

For further information please contact the authorising officer Michael Schwarz:

Michael Schwarz, FAusIMM, AIG
Managing Director
E: mschwarz@itechminerals.com.au
Ph: +61 2 5850 0000
W: www.itechminerals.com.au

ABOUT iTECH MINERALS LTD

iTech Minerals Ltd (ASX: ITM, iTech or Company) is a listed mineral exploration company exploring for and developing battery materials and critical minerals within its 100% owned Australian projects. The Company is exploring for graphite, kaolinite-halloysite, regolith hosted clay rare earth element mineralisation and developing the Campoona Graphite Project in South Australia. The Company also has extensive exploration tenure prospective for Cu-Au porphyry mineralisation, IOCG mineralisation and gold mineralisation in South Australia and tin, tungsten, and polymetallic Cobar style mineralisation in New South Wales.

GLOSSARY

AEM = Airborne Electromagnetic
EM = Electromagnetic
TGC = Total Graphitic Carbon

This announcement contains results that have previously released as “Replacement Prospectus” on 19 October 2021, “200km of Graphite Potential at Eyre Peninsula Projects” on 26 October 2022. , “Impressive Graphite Intervals in First Lacroma Drilling” on 29 May 2023, “High Grade Core Identified in New Lacroma Drill Results” on 5 June 2023”, “Graphite mineralisation expands in Lacroma Central resource drilling” on 21 September 2023, “Lacroma Graphite Resource Drill Results” on 19 October 2023, “Lacroma Infill Drilling increases Graphite Mineralisation” on 3 November 2023, “iTech Expands Graphite Drilling Program to New Targets” on 23 November 2023 and “Lacroma Central Drilling Update” on 7 December 2023. iTech confirms that the Company is not aware of any new information or data that materially affects the information included in the announcement.

The Campoona Shaft Mineral Resource Estimate (MRE) is made up of a Measured MRE of 320,000 tonnes @ 12.7% TGC, Indicated MRE of 780,000 tonnes @ 8.2% TGC and Inferred MRE of 550,000 tonnes @ 8.5% TGC. The Central Campoona MRE is made up of Indicated MRE of 220,000 tonnes @ 12.3% TGC and Inferred MRE of 300,000 tonnes @ 10.3% TGC.

Appendix 5B

Mining exploration entity or oil and gas exploration entity quarterly cash flow report

Name of entity

iTech Minerals Ltd

ABN

41 648 219 050

Quarter ended ("current quarter")

31 December 2023

Consolidated statement of cash flows	Current quarter \$A'000	Year to date (6 months) \$A'000
1. Cash flows from operating activities		
1.1 Receipts from customers	-	-
1.2 Payments for		
(a) exploration & evaluation	(7)	(7)
(b) development	-	-
(c) production	-	-
(d) staff costs	(70)	(137)
(e) administration and corporate costs	(122)	(392)
1.3 Dividends received (see note 3)	-	-
1.4 Interest received	51	106
1.5 Interest and other costs of finance paid	-	-
1.6 Income taxes paid	-	-
1.7 Government grants and tax incentives	236	236
1.8 Other (provide details if material)	-	-
1.9 Net cash from / (used in) operating activities	88	(194)

2. Cash flows from investing activities		
2.1 Payments to acquire or for:		
(a) entities	-	-
(b) tenements	-	-
(c) property, plant and equipment	(8)	(169)
(d) exploration & evaluation	(1,496)	(2,653)
(e) investments	-	-
(f) other non-current assets	-	-

Mining exploration entity or oil and gas exploration entity quarterly cash flow report

Consolidated statement of cash flows		Current quarter \$A'000	Year to date (6 months) \$A'000
2.2	Proceeds from the disposal of:		
	(a) entities	-	-
	(b) tenements	-	-
	(c) property, plant and equipment	-	-
	(d) investments	-	-
	(e) other non-current assets	-	-
2.3	Cash flows from loans to other entities	-	-
2.4	Dividends received (see note 3)	-	-
2.5	Other - grants	64	129
2.6	Net cash from / (used in) investing activities	(1,440)	(2,693)

3.	Cash flows from financing activities		
3.1	Proceeds from issues of equity securities (excluding convertible debt securities)	-	-
3.2	Proceeds from issue of convertible debt securities	-	-
3.3	Proceeds from exercise of options	-	-
3.4	Transaction costs related to issues of equity securities or convertible debt securities	(6)	(6)
3.5	Proceeds from borrowings	-	-
3.6	Repayment of borrowings	-	-
3.7	Transaction costs related to loans and borrowings	-	-
3.8	Dividends paid	-	-
3.9	Other - lease payments	(9)	(19)
3.10	Net cash from / (used in) financing activities	(15)	(25)

4.	Net increase / (decrease) in cash and cash equivalents for the period		
4.1	Cash and cash equivalents at beginning of period	5,233	6,778
4.2	Net cash from / (used in) operating activities (item 1.9 above)	88	(194)
4.3	Net cash from / (used in) investing activities (item 2.6 above)	(1,440)	(2,693)
4.4	Net cash from / (used in) financing activities (item 3.10 above)	(15)	(25)

Mining exploration entity or oil and gas exploration entity quarterly cash flow report

Consolidated statement of cash flows		Current quarter \$A'000	Year to date (6 months) \$A'000
4.5	Effect of movement in exchange rates on cash held	-	-
4.6	Cash and cash equivalents at end of period	3,866	3,866

5.	Reconciliation of cash and cash equivalents at the end of the quarter (as shown in the consolidated statement of cash flows) to the related items in the accounts	Current quarter \$A'000	Previous quarter \$A'000
5.1	Bank balances	3,777	5,144
5.2	Call deposits	89	89
5.3	Bank overdrafts	-	-
5.4	Other (provide details)	-	-
5.5	Cash and cash equivalents at end of quarter (should equal item 4.6 above)	3,866	5,233

6.	Payments to related parties of the entity and their associates	Current quarter \$A'000
6.1	Aggregate amount of payments to related parties and their associates included in item 1	46
6.2	Aggregate amount of payments to related parties and their associates included in item 2	39

Note: if any amounts are shown in items 6.1 or 6.2, your quarterly activity report must include a description of, and an explanation for, such payments.

Mining exploration entity or oil and gas exploration entity quarterly cash flow report

7. Financing facilities	Total facility amount at quarter end \$A'000	Amount drawn at quarter end \$A'000
<i>Note: the term "facility" includes all forms of financing arrangements available to the entity. Add notes as necessary for an understanding of the sources of finance available to the entity.</i>		
7.1 Loan facilities	-	-
7.2 Credit standby arrangements	-	-
7.3 Other (please specify)	-	-
7.4 Total financing facilities	-	-
7.5 Unused financing facilities available at quarter end		-
7.6 Include in the box below a description of each facility above, including the lender, interest rate, maturity date and whether it is secured or unsecured. If any additional financing facilities have been entered into or are proposed to be entered into after quarter end, include a note providing details of those facilities as well.		

8. Estimated cash available for future operating activities	\$A'000
8.1 Net cash from / (used in) operating activities (item 1.9)	88
8.2 (Payments for exploration & evaluation classified as investing activities) (item 2.1(d))	(1,496)
8.3 Total relevant outgoings (item 8.1 + item 8.2)	(1,408)
8.4 Cash and cash equivalents at quarter end (item 4.6)	3,866
8.5 Unused finance facilities available at quarter end (item 7.5)	-
8.6 Total available funding (item 8.4 + item 8.5)	3,866
8.7 Estimated quarters of funding available (item 8.6 divided by item 8.3)	2.8
<i>Note: if the entity has reported positive relevant outgoings (ie a net cash inflow) in item 8.3, answer item 8.7 as "N/A". Otherwise, a figure for the estimated quarters of funding available must be included in item 8.7.</i>	
8.8 If item 8.7 is less than 2 quarters, please provide answers to the following questions:	
8.8.1 Does the entity expect that it will continue to have the current level of net operating cash flows for the time being and, if not, why not?	
Answer: N/A	
8.8.2 Has the entity taken any steps, or does it propose to take any steps, to raise further cash to fund its operations and, if so, what are those steps and how likely does it believe that they will be successful?	
Answer: N/A	

Mining exploration entity or oil and gas exploration entity quarterly cash flow report

8.8.3 Does the entity expect to be able to continue its operations and to meet its business objectives and, if so, on what basis?

Answer: N/A

Note: where item 8.7 is less than 2 quarters, all of questions 8.8.1, 8.8.2 and 8.8.3 above must be answered.

Compliance statement

- 1 This statement has been prepared in accordance with accounting standards and policies which comply with Listing Rule 19.11A.
- 2 This statement gives a true and fair view of the matters disclosed.

Date: 24 January 2024

Authorised by: By the board
(Name of body or officer authorising release – see note 4)

Notes

1. This quarterly cash flow report and the accompanying activity report provide a basis for informing the market about the entity's activities for the past quarter, how they have been financed and the effect this has had on its cash position. An entity that wishes to disclose additional information over and above the minimum required under the Listing Rules is encouraged to do so.
2. If this quarterly cash flow report has been prepared in accordance with Australian Accounting Standards, the definitions in, and provisions of, *AASB 6: Exploration for and Evaluation of Mineral Resources* and *AASB 107: Statement of Cash Flows* apply to this report. If this quarterly cash flow report has been prepared in accordance with other accounting standards agreed by ASX pursuant to Listing Rule 19.11A, the corresponding equivalent standards apply to this report.
3. Dividends received may be classified either as cash flows from operating activities or cash flows from investing activities, depending on the accounting policy of the entity.
4. If this report has been authorised for release to the market by your board of directors, you can insert here: "By the board". If it has been authorised for release to the market by a committee of your board of directors, you can insert here: "By the [name of board committee – eg Audit and Risk Committee]". If it has been authorised for release to the market by a disclosure committee, you can insert here: "By the Disclosure Committee".
5. If this report has been authorised for release to the market by your board of directors and you wish to hold yourself out as complying with recommendation 4.2 of the ASX Corporate Governance Council's *Corporate Governance Principles and Recommendations*, the board should have received a declaration from its CEO and CFO that, in their opinion, the financial records of the entity have been properly maintained, that this report complies with the appropriate accounting standards and gives a true and fair view of the cash flows of the entity, and that their opinion has been formed on the basis of a sound system of risk management and internal control which is operating effectively.