



Quarterly Report

Period ended 31st March 2020

About Legacy Iron Ore

Legacy Iron Ore Limited ("Legacy Iron" or the "Company") is a Western Australian based Company, focused on iron ore, base metals, tungsten and gold development and mineral discovery.

Legacy Iron's mission is to increase shareholder wealth through capital growth, created via the discovery, development and operation of profitable mining assets.

The Company was listed on the Australian Securities Exchange on 8 July 2008. Since then, Legacy Iron has had a number of iron ore, manganese and gold discoveries which are now undergoing drilling and resource definition.

Board

N. Baijendra Kumar, Non-Executive Chairman

Amitava Mukherjee, Non-Executive Director

Alok Kumar Mehta, Non-Executive Director

Devanathan Ramachandran, Non-Executive Director

Rakesh Gupta, Director and Chief Executive Officer

Ben Donovan, Company Secretary

Key Projects

Mt Bevan Iron Ore Project

South Laverton Gold Project

East Kimberley Gold, Base Metals and REE Project

Enquiries

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30 April 2020

The Company Announcements Office
ASX Limited

Via E Lodgement

REPORT FOR THE QUARTER ENDED 31st March 2020

Please find attached the Company's Quarterly Activities Report for the quarter ended 31st March 2020.

Yours faithfully
LEGACY IRON ORE LIMITED

Rakesh Gupta
Chief Executive Officer

HIGHLIGHTS

EXPLORATION AND DEVELOPMENT

South Laverton:

Mt Celia:

- Drill plans finalised for RC and diamond drilling which is essential to upgrade the resource confidence with all work approvals are in place from the Department of Mines, Industry Regulation and Safety.
- Initial earth work for site preparation has commenced.

Yilgangi:

- Geological traversing and rock chip sampling completed in the project area to assist in finalizing the drill hole location.
- Drill plan finalised to further assess the QAQC and the extensions of golden rainbow prospects and test the anomalous trends identified from the previous rounds of MMI sampling.
- Initial site preparation work has been completed in project area to support the drilling.

Sunrise Bore:

- Drilling locations has been finalised to drill test the anomalies defined by the Auger sampling.
- At this stage drilling is planned to take in Q2/Q3 of year CY 2020.

Mt Bevan

- Petrographic study of the RC drill chips showed encouraging results confirming that some of the mafic rocks intersected in drilling (ASX announcement 15 Oct 2019) are ultramafics rocks and possibly parts of dykes/sills and interpreted to be injected into the sequence post all deformation and metamorphism.
- These results further support a follow up drilling is proposed to the south of MBC 1122 and MBC 1114 to verify the low order anomalism noted in both the down hole as well as surface EM (ASX announcement 15 Oct 2019).

East Kimberly Project

- Project exploration activities proposed in next quarter or two is likely to be impacted due to strict travel restriction imposed.

CORPORATE

- Budget for the year (April 1, 2020 to March 31, 2021) has been approved with a strong focus on upgrading the resource at Mt Celia and moving the project towards production.

COVID-19

During the quarter, the State Government imposed inter-regional travel restrictions within Western Australia as a means to combat the spread of COVID-19, which limited the amount of travel to site.

As a result, the Company has delayed drilling programs and focussed primarily on reviewing existing geological information and material generated from its exploration and sampling programmes.

Site works have been undertaken at the Yilgangi and Mt Celia projects, with drilling at the Mt Celia project likely to commence in the next two weeks subject to the Company being able to successfully apply for exemptions to travel.

Exploration work on the other projects will occur in the next quarter when it is anticipated that travel restrictions will be lifted.

EXPLORATION

Legacy Iron is an active exploration company with a diverse portfolio of assets spanning iron ore, gold, base metals and tungsten (Figure 1).

The Company has a significant landholding in the Eastern Goldfields (Yilgarn) and East Kimberley districts of WA. In the Eastern Goldfields, the company holds tenements with a number of gold prospects/resources, whilst the East Kimberley Project has excellent potential to host base metal – gold, tungsten and rare earth elements (REE) mineralisation.

The Company is also in a Joint Venture with Hawthorn Resources Limited (Hawthorn) on the Mt Bevan Project, north of Kalgoorlie in Western Australia, where the Company is aims to progress a potentially world class magnetite project and exploring for nickel-copper mineralisation at an early stage.

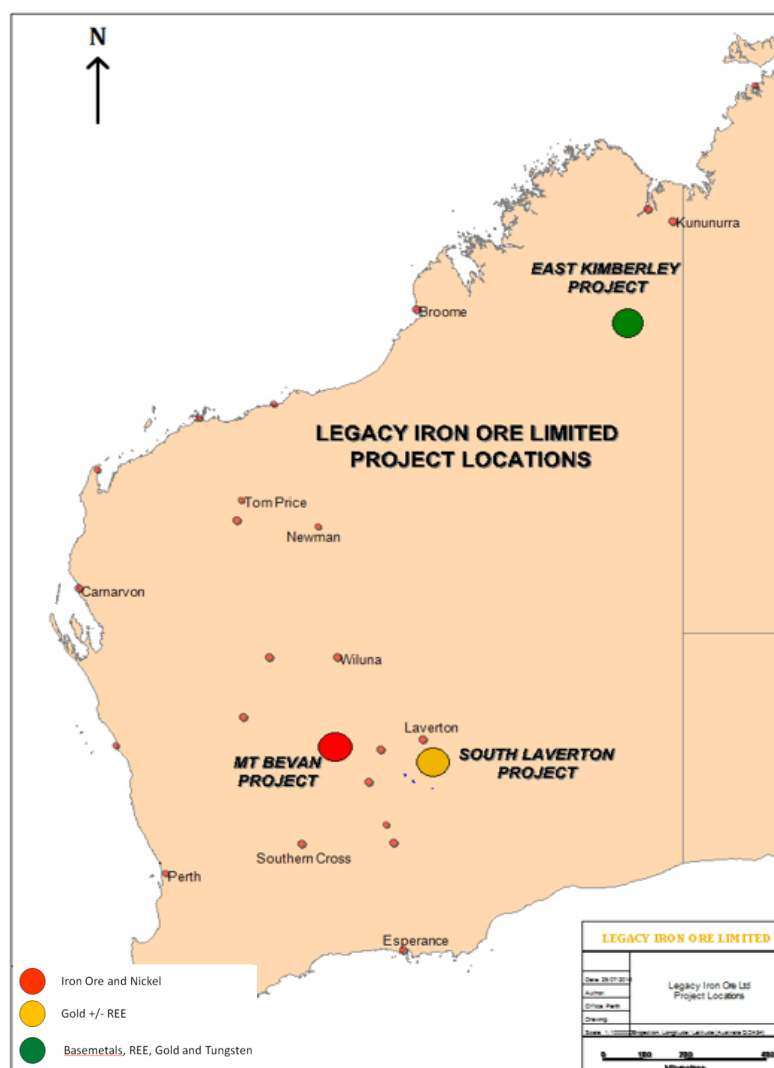


Figure 1 Legacy Iron – Project Locations

Major focus of the Company's activity in the coming year will be delivering a resource upgrade at Mt Celia and carryout the next round of project feasibility evaluation.

No major exploration work was carried out on the ground during the quarter, except site preparation earth work at Yilgangi and Mt Celia to commence the planned drilling work. The drilling which was planned to commence from the third week of March had to be postponed by a few weeks, due to the COVID 19 travel restrictions.

GOLD

South Laverton Gold Project

The South Laverton Project includes Mt Celia, Yerilla, Yilgangi, Sunrise Bore and Patricia North tenements of Legacy Iron Ore Limited (Figure 2). The Mt Celia, Yerilla and Yilgangi tenements contain a number of gold occurrences with known gold resource estimates from years prior to the change in JORC code reporting in 2012. The Company upgraded the resource estimates for Mt Celia (Kangaroo Bore and Blue Peter orebodies), with the remaining tenements to occur.

The company is progressing the Mt Celia project with a view to develop a mine. The initial scoping/pit optimisation study completed in 2018 (ASX announcement 15 Oct 2018) showed a positive result towards that objective.

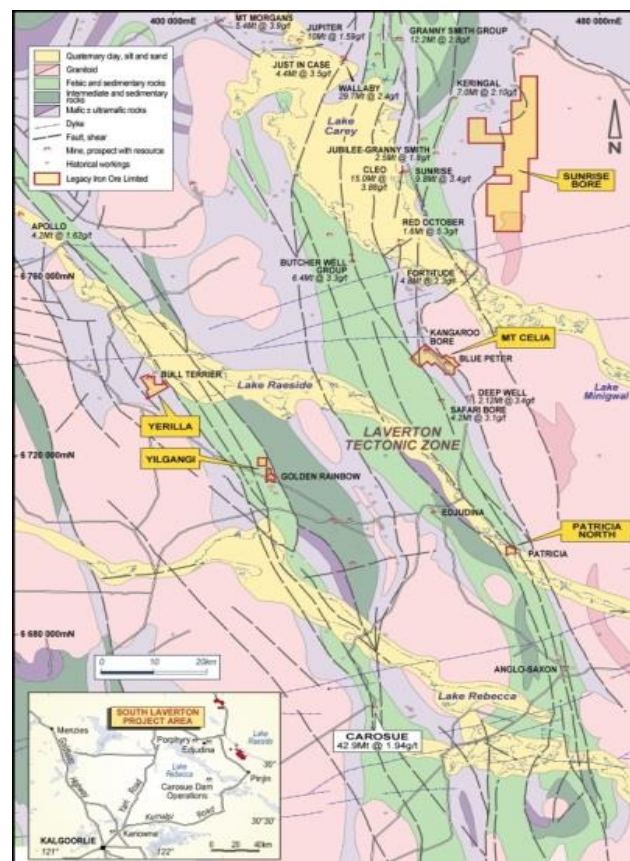


Figure 2 Legacy Iron's South Laverton Gold Projects on regional geology

Mt Celia Project

The Mt Celia Project lies within the Laverton Tectonic Zone, some 40km south of the Sunrise Dam gold mine (approximately 8Moz gold resource), as shown in Figure 2. The Project currently contains several known gold occurrences including *Kangaroo Bore* and *Blue Peter* prospects (Figure 3).

Total resource at Mt Celia stands as below as of March 2018 (Table 1) –

Deposit	Classification	Cut-off (g/t)	Tonnage (t)	Grade (g/t)	Metal (OZ)
Kangaroo Bore	Inferred	0.7	2,800,000	1.48	133,000
Blue peter	Inferred	1	607200	2.62	51,100
Total (Mt Celia)	Inferred		3,407,200	1.68	184,100

Table 1 Mt Celia Project - Mineral Resource estimate as at March 2018

(Note: Please refer to ASX announcement made on 17 Nov 2017 and 22 Mar 2018 for the complete statement about the above Kangaroo bore and Blue Peter resource estimates. An additional round of RC drilling been completed at Kangaroo Bore after these estimates and announced on 31 July 2019; however, it was mainly aimed to test the continuity and depth extensions of the ore body and will be considered in the next round of the resource upgrade for the project)

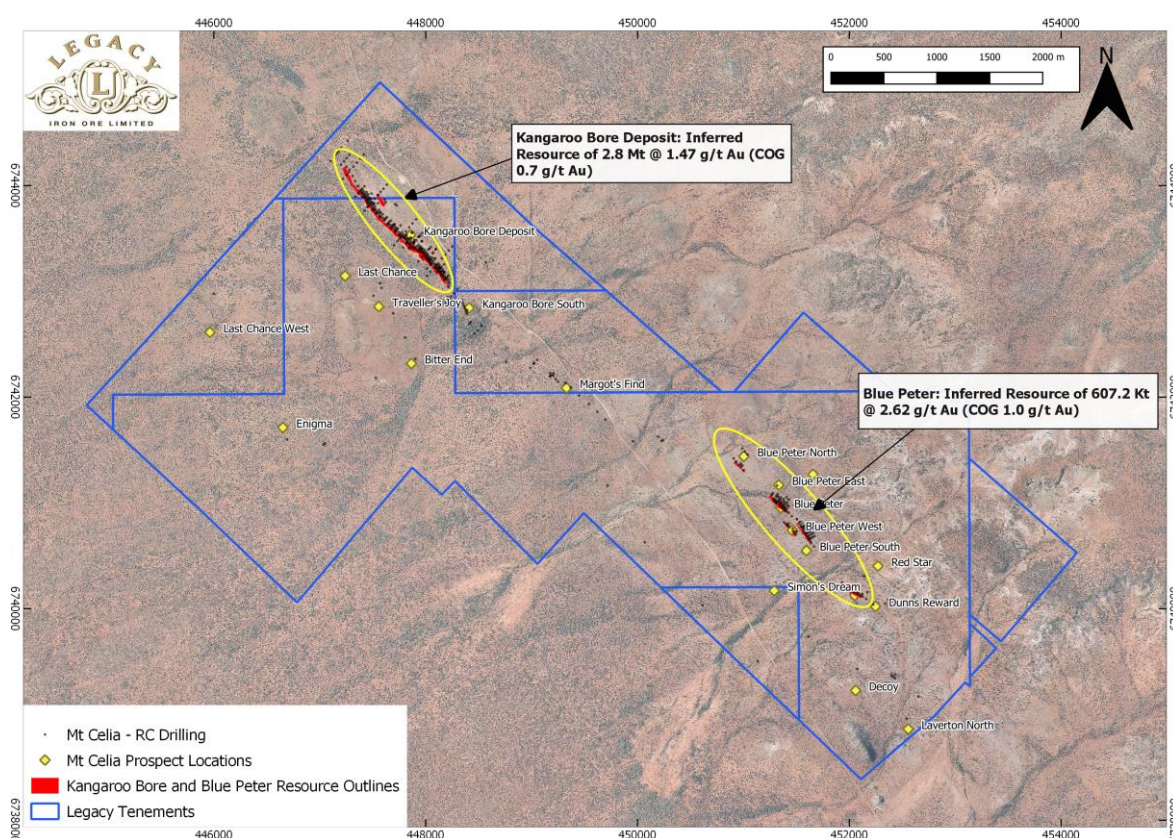


Figure 3 Mt Celia Project - Aerial image showing various prospect locations

As mentioned previously, an Initial Scoping Study/pit optimisation study completed in 2018 confirms that the Mt Celia project has the potential to be a technically and economically viable

project (ASX announcement 15 Oct 2018). The company is progressing the Mt Celia project with a view to develop a mine.

The company plans to achieve the following key outcomes in the next 12 months -

- Convert the Kangaroo Bore and Blue Peter resources into an indicated resource to carry out an updated feasibility study (PFS).
- Understanding of geotechnical, geometallurgical and Hydrological characteristics of the ore body (reduce uncertainty around resource quality and pit).
- Increase overall resource for the Mt Celia project -
 - There are numerous areas present with in a close proximity of Kangaroo Bore ore body requiring a small amount of additional drilling to verify its continuity and become part of inferred resource.
- Define any environmental and Heritage issues associated with the project development.
- Commence the process for regulatory approvals for the mine plan.

During the quarter, the drill plans were finalised, and drilling was to commence during April 2020 to support an updated resource estimate for the project. Due to the COVID 19 travel restrictions, this work has been delayed for a few weeks.

Next steps:

- Complete the water bore drilling to assist with the next round of drilling which includes both RC and diamond drilling in the project as discussed in the previous reports – Approval already exist to construct the water bores.
- Commence the proposed RC and diamond drilling to upgrade the resource confidence and update the pit optimisation study.
- Finalise the plans and commence environmental, heritage and hydrogeological assessments to assist the project with the permitting requirements.
- Finalise plan the follow-up on other targets present in the Mt Celia Project tenement.

Yilgangi Project

The Yilgangi project forms part of Legacy Iron's South Laverton Gold Project which includes Mt Celia, Yilgangi, Yerilla, Patricia North and Sunrise Bore tenements (Figure 2).

The Yilgangi Project includes two exploration tenements (E31/1019 and E31/1020) and two mining leases (M31/426 and M31/427) and contains numerous gold occurrence/anomalies including the Golden Rainbow prospect where a number of drill holes have been completed and the gold mineralisation has been tested up to a shallow depth only.

In the last year (2019), a comprehensive soil sampling campaign was completed on the tenements E31/1019 and E31/1020 to explore for potential strike extensions to mineralisation at Golden Rainbow deposit. The soil sampling results (by MMI analysis) have delineated several northwest-striking anomalies parallel to regional geological strike and structures (Figure 4 and ASX announcement 30 April 2019).

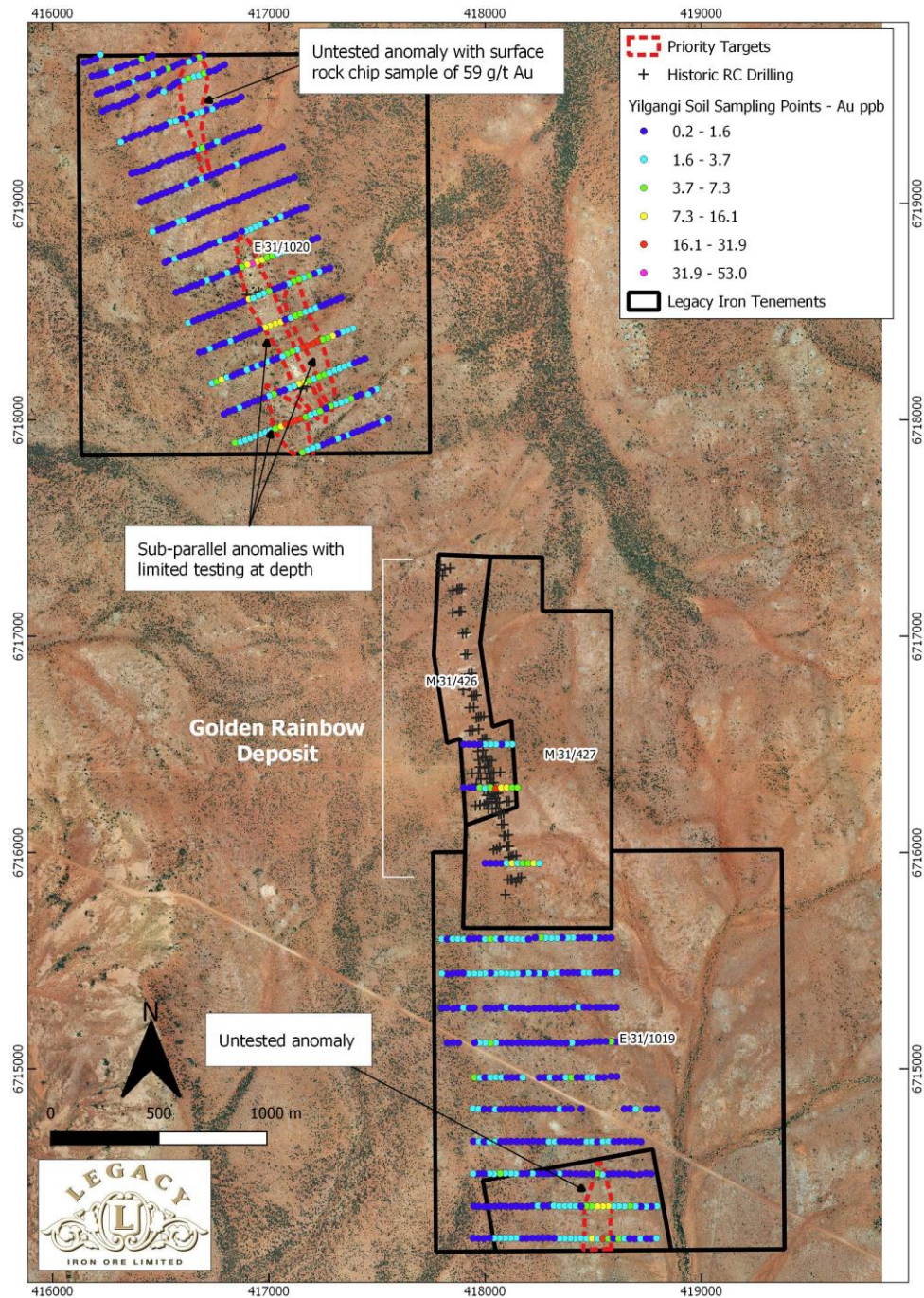


Figure 4: Priority areas for follow-up exploration based on soil sampling results (MMI analysis)

These anomalies have not been adequately drill-tested by previous explorers and are a high priority for RC drill-testing by Legacy Iron Ore Ltd.

The company had plans to commence the RC drilling of 10-12 drill holes (for 1000-1200m) from March 26th but has been postponed due to the travel restrictions. The program will be carried out later in the year.

Mt Bevan Project

Mt Bevan Project is a joint venture between Legacy Iron (60% interest) and Hawthorn. The project is a large tenement which hosts 1,170 Mt of magnetite resource @ 34.9% Fe (refer Table 2 below) as well as a potential for discovery of nickel–copper mineralisation in northern most part of the tenement.

Mt Bevan Iron Ore:

Mt Bevan is considered to hold excellent potential for the definition of major magnetite resources located relatively close to existing road, rail and port facilities. The project also has potential for DSO hematite discoveries.

Successful exploration and resource definition program carried out now underpins the potential for a large-scale development at Mt Bevan (refer Table 2 below for the current resource estimate and Figure 5 for a representative cross section). Legacy Iron continues to work with its 40% JV partner, Hawthorn, regarding the scope, timing and funding of further phases for the project.

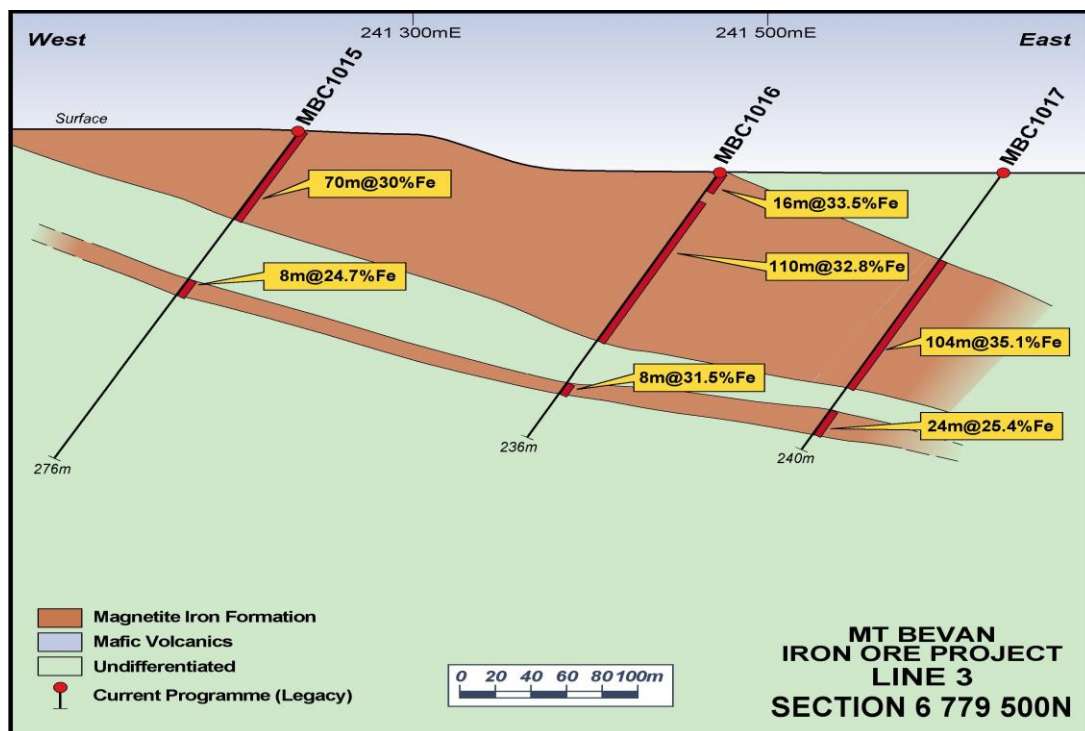


Figure 5: Drilling Cross Section - Lines 3

Mt Bevan Fresh BIF Resource											
Class	Material	Tonnes x 10 ⁶	Fe %	SiO ₂ %	Al ₂ O ₃ %	CaO %	P %	S %	LOI %	MgO %	Mn %
Indicated	<i>In situ</i> Total	322	34.7	46.2	0.57	1.35	0.054	0.131	-1.05	1.91	0.31
	<i>In situ</i> Magnetic*	44.18%	30.0	2.4	0.01	0.08	0.005	0.053	-1.38	0.05	0.01
	Concentrate	142	68.0	5.5	0.02	0.18	0.012	0.130	-3.12	0.12	0.03
Inferred	<i>In situ</i> Total	847	35.0	45.6	0.77	2.00	0.063	0.39	-1.15	1.77	0.04
	<i>In situ</i> Magnetic*	45.70%	30.8	2.8	0.01	0.06	0.004	0.042	-1.37	0.03	0.01
	Concentrate	387	67.5	5.9	0.03	0.14	0.009	0.096	-3.00	0.06	0.02
Total	<i>In situ</i> Total	1,170	34.9	45.8	0.71	1.82	0.060	0.137	-1.12	1.81	0.11
	<i>In situ</i> Magnetic*	45.28%	30.6	2.7	0.01	0.07	0.004	0.045	-1.37	0.03	0.01
	Concentrate	530	67.7	5.80	0.03	0.15	0.010	0.105	-3.03	0.07	0.02

Table 2 Mt Bevan Resource Estimate

*In situ Magnetic is the material that is expected to report to the magnetic fraction. The in situ Magnetic quantities in the Tonnes column are expressed as the percentage of the in situ Total tonnes (as estimated from Davis Tube Mass recovery) Also, no additional work has been done on these deposits which warrants revision of the above estimates at this stage. - See Announcements from 2014 and 2015

(Full details of the project are available at the Company website www.legacyiron.com.au)

Mt Bevan Nickel – Copper:

The Mt Bevan Project is located immediately south of St George Mining Limited's (ASX: SGQ) Mt Alexander Project (Figure 6). St George Mining has had significant success identifying nickel-copper sulphide mineralisation at Cathedrals, Stricklands and Investigators along the Cathedrals Shear zone (refer to St George Mining Limited ASX announcements).

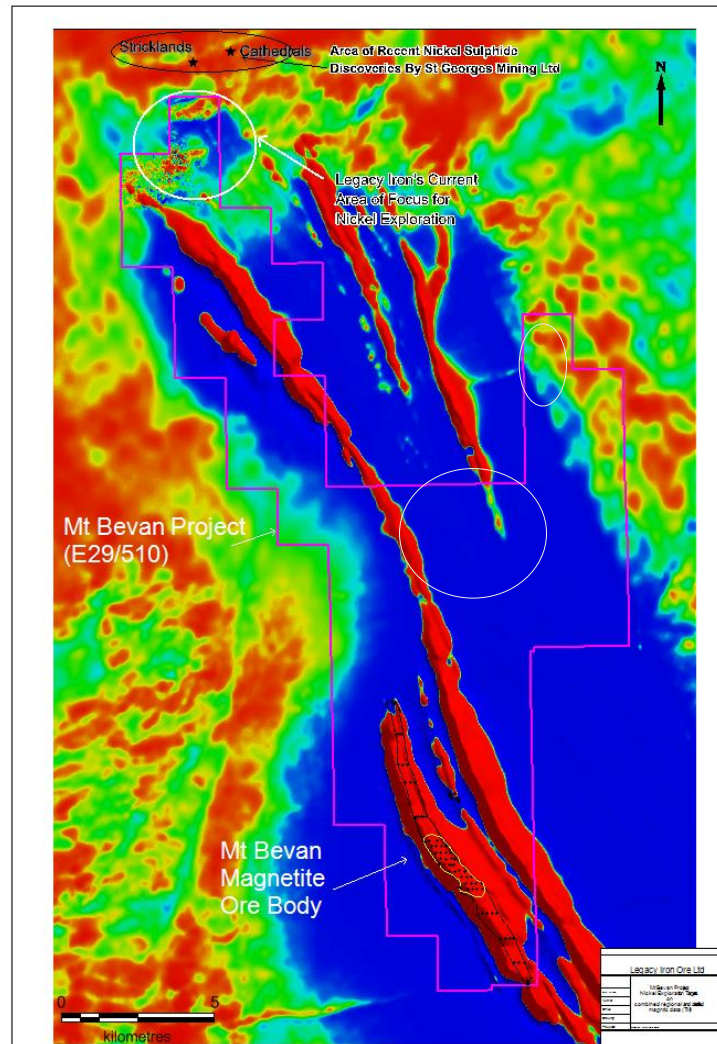


Figure 6: Mt Bevan Project – airborne magnetics data (TMI) showing area of interest for nickel sulphide mineralisation

No major field activities were carried out at the project during the quarter however the results of the mineragraphic and petrological studies on the RC drill chips, completed by Teale & Associates Pty Ltd, were received towards the end of the quarter. (Refer ASX announcement 15 Oct 2019 which discuss full details of the drilling program initial geochemical and downhole geophysics results.)

The study shows the presence of non-deformed, non-metamorphosed, post tectonic ultramafics in drill hole 1114 (Drill depths: 32m-34m and 68m-71m in MBC1114). The work done to date also indicates that granite intrusion and pegmatite dykes have invaded the sequence as they have been identified in neighbouring tenements in north.

These results support further exploration or follow up drilling, which is proposed to the south of MBC 1114 and MBC 1122, to verify the low order anomalism noted in both the down hole as well as surface EM (refer Figure 8 and ASX announcement dated 15 Oct 2019).

Location of the drill holes have been shown on the figure 7 and 8 below –

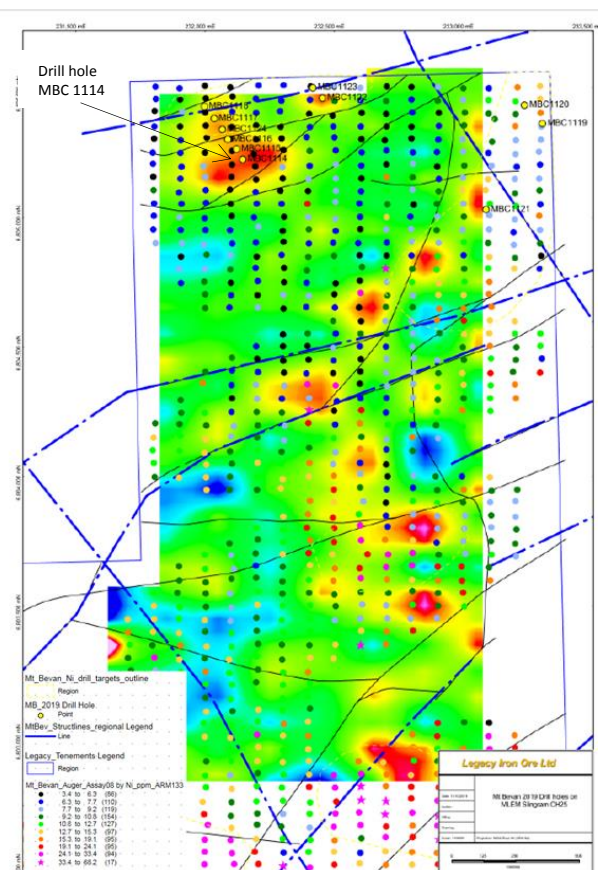
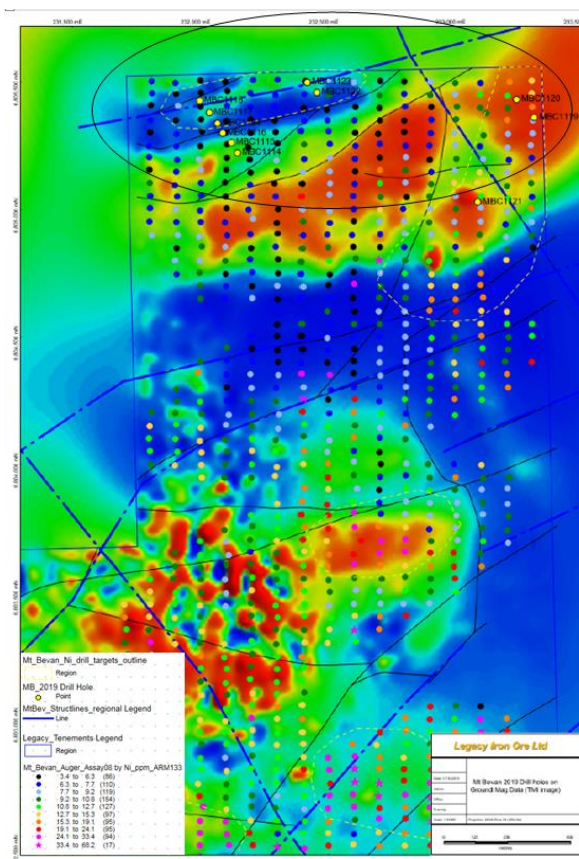


Figure 7: 2019 drill hole locations on Merged ground and regional TMI magnetics with structural interpretations and auger geochemistry Ni ppm

Figure 8: 2019 Drill hole locations on MLEM Slingram CH25 with structural interpretation lines and auger geochemistry (Ni ppm)

This area is almost completely concealed by Quaternary alluvium and colluvium cover.

PLANNED ACTIVITIES – JUNE 2020 QUARTER

Principal activities planned for the June 2020 quarter likely to comprise:

South Laverton: Mt Celia project –

- Construct water bores in preparation for diamond drilling at Kangaroo Bore and Blue Peter.
- Commence the proposed RC and diamond drilling for upgrading the resource at Kangaroo bore and Blue Peter.
- Update the geology model to assist with upgrading the resource classification for both the ore bodies in the Mt Celia project. Kangaroo

Bore orebody is likely to be the first project to upgrade given that a significant amount of RC and diamond drilling has already been done and been considered in the current estimates.

- Commence environmental, heritage and hydrogeological assessments to assist the project with the permitting requirements.
- Plan the follow-up on other targets present in the Mt Celia Project tenement.

Yilgani –

- Drill test the potential extensions of the positive results seen in the soil and surface rock geochemistry.

Mt Bevan Project:

- Conduct an assessment of nickel mineralisation potential in the central and eastern part of the tenement
- Further evaluation of the weak anomalous responses seen the downhole EM and petrographic results.

For the purpose of Section 6 of the Appendix 5B, all payments made to related parties have been paid in relation to director fees.

Competent Person's Statement:

The information in this report that relates to Exploration Results is based on information compiled by Bhupendra Dashora who is a member of AusIMM and employee of Legacy Iron Ore Limited. Mr. Dashora has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2012 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". Mr. Dashora consents to the inclusion in this report of the matters based on his information in the form and the context in which it appears.