



10 October 2022

Joint Media release

MT BEVAN IRON ORE JOINT VENTURE PROGRESS

Legacy Iron Ore Ltd ASX: LCY (Legacy Iron) and Hawthorn Resources Limited ASX: HAW (Hawthorn) are pleased to provide an update on the progress of works for the Joint Venture with Hancock Magnetite Holdings Pty Ltd (Hancock) at the Mt Bevan iron ore project (Project) in Western Australia.

Following the execution of the Joint Venture agreement in April 2022, the pre-feasibility study (PFS) has progressed, with Hancock subsidiary and experienced iron ore miner, Atlas Iron, acting as project manager.

Key achievements to date include:

- Mobilisation of reverse circulation (RC) drilling rigs to site;
- Commencement of diamond drilling rig mobilisation;
- Completion of heritage survey; and
- The awarding of major packages of works, including hydrogeology and resource modelling and metallurgical testing.

Preliminary discussions have also been held with the Esperance Port Authority regarding infrastructure requirements as part of an assessment of suitable ports for the export of product. All possible transport options are being considered, including trucking and rail or pump and rail. This includes the potential of transporting to the Geraldton Port.

Commenting on the progress, Legacy Iron Chief Executive Officer, Mr Rakesh Gupta said *"We are very pleased with the level of work being undertaken to date by Atlas Iron and Hancock. There is a strong desire to advance this project and all Joint Venture partners are working towards achieving this outcome. We look forward to continuing to work with our partners."*

Hawthorn Managing Director and Chief Executive Officer, Mr Mark Kerr noted *"the significant progress on the PFS for the Mt Bevan magnetite project, which should be amenable to low-cost open pit mining due to a low strip ratio and favourable orebody geometry. Mt Bevan has the potential to produce a high-quality magnetite concentrate with low impurities and more importantly, a premium priced product as magnetite demand increases for energy efficient steelmaking."*

Activities planned for the coming quarter include additional RC and HQ-sized diamond drilling, resource modelling, metallurgical testwork, and ongoing assessments of rail and port options.

Rakesh Gupta

CEO

Legacy Iron Ore Ltd

Mark G Kerr

Managing Director

Hawthorn Resources Limited

This announcement has been approved for release by the respective Boards.

About Hancock

Built on a long history of pioneering, exploring and investing in Australia, Hancock Prospecting Group is an independent, privately owned Australian company group that has a proud history with the Pilbara region and the iron ore sector, and is one of the longest continuous owners of cattle stations in Australia. Our executive chairman, Mrs Gina Rinehart, founded both national agriculture and related industries day, November 21, and national mining and related industries day, November 22, which recognise these critical industries and the many related industries that depend upon them. The Hancock group is the most successful private group in Australia.

Hancock Magnetite Holdings Pty Ltd is a wholly owned subsidiary of Hancock Prospecting Pty Ltd.

About Atlas Iron

Atlas Iron is an Australian iron ore company, mining and exporting direct-shipped iron ore from its Mt Webber, Sanjiv Ridge (named after Atlas CEO Sanjiv Manchanda) and Miralga mines in the northern Pilbara region of West Australia. Atlas Iron has a portfolio of exploration and development projects which now includes two magnetite projects.

About Legacy Iron

Legacy Iron is a vibrant Perth-based Australian exploration company, focussed on the development of iron ore, gold and base metal deposits.

With a mission to increase shareholder wealth through capital growth, Legacy has a commitment to discovering viable mineral deposits and developing them into profitable mining operations.

Legacy now has the backing of major shareholder NMDC Limited (A Government of India Enterprise). NMDC is India's single largest iron ore producer, presently producing about 35 million tonnes of iron ore from 4 fully mechanized mines.

About Hawthorn

Hawthorn is a listed, diversified gold and base metals explorer with strategic tenement holdings in Western Australia.

Hawthorn has a 70% interest in the Anglo-Saxon underground gold project at Pinjin in the South Laverton Tectonic Zone (SLTZ), 140kms NE of Kalgoorlie and approximately 70 kms to the north of Ramelius' Lake Rebecca gold project. The current underground hosts an indicated and inferred MRE of 796,000 tonnes at 6.1 g/t Au for 157,000 ozs (Refer ASX release of 20 October 2020: Mineral Resource Update).

About the Mt Bevan project

The Mt Bevan Project is a joint venture between Legacy Iron (42% interest), Hawthorn (28%) and Hancock (30%). Hancock has acquired an initial 30% equity interest in the Mt Bevan Joint Venture by a cash payment of \$8m (\$4.8m to Legacy Iron and \$3.2m to Hawthorn), and a further \$1m into a Joint Venture bank account.

Under the terms of the Joint Venture, Hancock will sole fund the next two years of a PFS. The key objectives of the Mt Bevan PFS were agreed upon during the first Joint Venture committee meeting on Thursday 14 April 2022.

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 direct shipping ore (DSO) hematite discoveries.

The Mt Bevan project is a large tenement which hosts 1,170 Mt of magnetite resource @ 34.9% Fe (refer Table 1) as well as a potential for discovery of nickel–copper mineralisation in the northern most part of the tenement.

Successful exploration and resource definition programs carried out to date have underpinned the potential for a large-scale development at Mt Bevan.

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 1 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

The tenement covers the northern portions of the Mt Ida Greenstone belt and is situated in close proximity to a number of historic and current gold mines in the Copperfield – Timoni and Bottle Creek area.

Geological mapping and sampling, following a tenement wide aeromagnetic survey, confirmed the presence of three substantial banded iron formation (BIF) horizons within the tenement extending in a north-northwest direction for a strike distance of more than 25 km.

Drilling has shown the Western BIF deposit to have the best and thickest magnetite development coupled with a favourable flat 40 degrees eastern dip. Subsequent drilling, both RC and diamond drilling has led to the establishment of a major open pit magnetite deposit.

Three substantial BIF horizons have been identified within the tenement that extend in a north-northwest orientation throughout the entire length of the tenement; a strike distance of more than 25 kilometres.

Following the discovery of lithium-tantalum pegmatites in the Mt Ida area (by Red Dirt Metals), the Joint Venture is conducting exploration of the Eastern and Northern areas of the Mt Bevan lease, where pegmatite dykes are known to occur. Attention is being directed at the extensive pegmatite development in the northern lease area, associated with the Mt Alexander granite intrusion.

Granite and pegmatite have been intersected in the St George mafic dyke complex, diamond drilling of the Ni Cu Cathedrals zone. This area adjoins the Mt Bevan lease. It is covered by sheet wash and drilling will be required to test this area. Scattered surface rubble of pegmatite and vein quartz points to shallow buried pegmatite.