

4 September 2026

## Revised Announcement – Elutriation Testwork Results

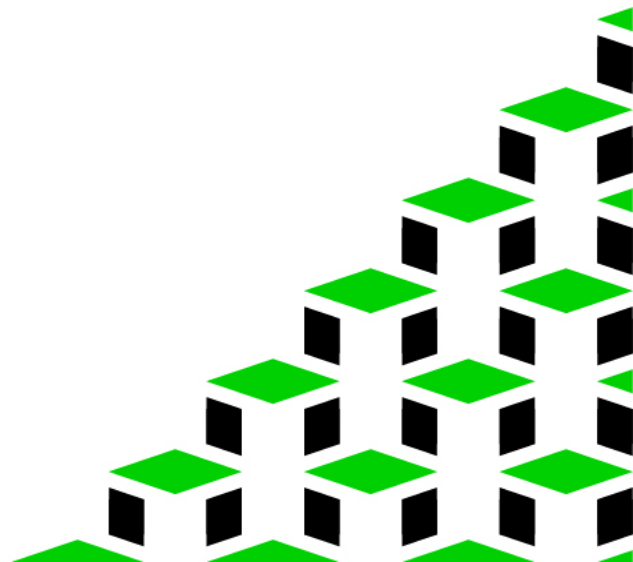
Hawsons Iron Ltd (ASX:HIO) (“Company”) wishes to advise of the following amendment to the ASX announcement “*Elutriation Testwork Results*” released to the ASX on 3 September 2026:

**Page 10:** The following table has been added – *JORC Table 1, Section 2: Reporting of Exploration Results*.

This announcement was authorised by the Board.

For further information contact:

Michael Harvey  
Company Secretary  
[michael.harvey@hawsons.com.au](mailto:michael.harvey@hawsons.com.au)  
+61 7 3554 1003



## Bulk Elutriation Testwork Confirms Hawsons' Premium 69%+ Fe Concentrate Potential

### Highlights

- Bulk-scale elutriation testwork produced a high-grade magnetite concentrate grading.
- The upgraded product also maintained very low levels of phosphorus and other impurities, reinforcing the premium characteristics of Hawsons product and the ability to readily materially improve the Project's revenue stream.
- Post elutriation grade of 69.3% Fe, compared with a feed grade of 67.8% Fe.
- Silica reduced by approximately 39%, from 4.04%  $\text{SiO}_2$  to 2.48%  $\text{SiO}_2$ .
- Alumina reduced by approximately 28%, from 0.40%  $\text{Al}_2\text{O}_3$  to 0.29%  $\text{Al}_2\text{O}_3$ .
- Results confirm earlier testwork supporting the inclusion of elutriation within the Pre-Feasibility Study process flowsheet.
- Further refinement of elutriation operating conditions will be undertaken as part of the Hawsons Iron Project final Feasibility Study.



**Figure 1** Elutriation Column - ALS (Perth)

Hawsons Iron Limited (ASX: HIO) ("**Hawsons**" or the "**Company**") is pleased to announce highly encouraging results from bulk-scale elutriation testwork undertaken on magnetite concentrate from the Hawsons Iron Project.

The testwork successfully upgraded the Hawsons concentrate sample from 67.8% Fe to 69.3% Fe, while significantly reducing key gangue components, including silica ( $\text{SiO}_2$ ) and alumina ( $\text{Al}_2\text{O}_3$ ).

Importantly, the results confirm earlier testwork<sup>1</sup> underpinning the inclusion of elutriation in the Company's updated Pre-Feasibility Study ("**PFS**") flowsheet and further demonstrate the potential for Hawsons to produce a premium, very-high-grade magnetite concentrate / product with low levels of impurities.

The increase in concentrate grade from approximately 68% Fe to approaching 70% Fe has the potential to deliver a meaningful improvement in the value of the Hawsons product. Premium iron ore products with very high Fe grades and low impurity levels are expected to become increasingly important to steelmakers seeking to improve productivity, reduce energy consumption and lower emissions intensity. For Hawsons, achieving a higher Fe grade potentially increases the value of every tonne of concentrate sold through access to higher product premiums, while further differentiating Hawsons from the majority of globally traded iron ore products.

<sup>1</sup> Refer [ASX Announcement](#) dated 14 October 2015



Importantly, as the additional upgrading occurs at the final stage of the process, the potential increase in product value could translate into higher revenue and improved operating margins without requiring a corresponding increase in mine production. Subject to large scale / orebody variability testwork and further economic assessment, this represents potential project upside.

|                                    | Hawsons Target Magnetite Product | Typical Hematite           |
|------------------------------------|----------------------------------|----------------------------|
| Impurity levels                    | Very low                         | Moderate to high           |
| DRI productivity                   | High                             | Lower                      |
| Energy required (DRI/EAF)          | Lower                            | Higher                     |
| Hydrogen DRI suitability           | Excellent                        | Limited                    |
| Embedded CO <sub>2</sub> intensity | Lower                            | Higher                     |
| EU CBAM exposure                   | Reduced                          | Elevated                   |
| Green steel certification          | Strong                           | Weaker                     |
| Strategic value                    | Enables export competitiveness   | Increasingly disadvantaged |

Hawsons Managing Director Tom Revy said:

*“These results are another important validation of the exceptional quality characteristics of the Hawsons orebody and our ability to produce the type of premium iron ore concentrate increasingly sought by the global steel industry.*

*Importantly, we have demonstrated on a bulk concentrate sample that a relatively straightforward physical separation process can increase the iron grade from 67.8% Fe to 69.3% Fe, while substantially reducing silica and alumina.*

*As the steel industry focuses increasingly on productivity, energy efficiency and reducing emissions, we believe the quality of the iron units entering the steelmaking process will become increasingly important. Producing a concentrate approaching 70% Fe, with very low levels of deleterious elements, further strengthens Hawsons’ potential positioning as a long-life supplier of premium magnetite concentrate into a changing global steel industry.*

*Grades at this level add zero to our operating costs while attracting a materially higher revenue stream = improved Project economics.*

*The results also provide further confidence in the process flowsheet adopted for the PFS and give us a strong platform for further optimisation during the Feasibility Study.”*



## Elutriation Testwork

Elutriation is a physical separation process that uses the difference in specific gravity between magnetite and gangue minerals to further upgrade magnetite concentrate.

The Hawsons concentrate sample consists predominantly of discrete grains of magnetite, with limited composite grains and gangue material. The remaining gangue principally comprises silicates, aluminosilicates and carbonates that remain in the concentrate following the final magnetic separation stage, primarily through entrainment.

Prior to elutriation, the concentrate typically grades approximately 68% Fe, with approximately 3–5% combined  $\text{SiO}_2$  and  $\text{Al}_2\text{O}_3$ .

The use of elutriation was incorporated into the PFS process flowsheet based on earlier testwork. The latest bulk-scale program, which optimised variable water flow rates, provides further confirmation of its effectiveness in upgrading Hawsons concentrate.

## Bulk Sample Results

The program utilised bulk magnetite concentrate produced from Hawsons drill core during metallurgical testwork undertaken at ALS in Perth during 2025.

A portion of this bulk concentrate sample has now been subjected to elutriation at ALS Perth, producing the following results:

|         | Fe<br>Grade<br>(%) | SiO <sub>2</sub><br>Grade<br>(%) | Al <sub>2</sub> O <sub>3</sub><br>Grade<br>(%) | P<br>Grade<br>(%) | Mn<br>Grade<br>(%) | CaO<br>Grade<br>(%) | MgO<br>Grade<br>(%) | TiO <sub>2</sub><br>Grade<br>(%) |
|---------|--------------------|----------------------------------|------------------------------------------------|-------------------|--------------------|---------------------|---------------------|----------------------------------|
| Feed    | 67.8               | 4.04                             | 0.40                                           | 0.008             | 0.02               | 0.19                | 0.26                | 0.07                             |
| Product | 69.3               | 2.48                             | 0.29                                           | 0.006             | 0.02               | 0.12                | 0.18                | 0.06                             |

The results demonstrate a 1.5 percentage point increase in Fe grade, accompanied by substantial reductions in the principal gangue constituents.

Of particular importance,  $\text{SiO}_2$  was reduced from 4.04% to 2.48%, while  $\text{Al}_2\text{O}_3$  was reduced from 0.40% to 0.29%. Phosphorus remained exceptionally low at 0.006% in the final product.

These results further demonstrate the potential of the Hawsons orebody to produce a very-high-grade, low-impurity magnetite concentrate suitable for premium iron ore markets.



# HOW ELUTRIATION WORKS

## UPGRADING MAGNETITE CONCENTRATE

Elutriation is a physical separation process that uses the difference in specific gravity (SG) between dense magnetite particles and lighter gangue minerals.

A controlled upward flow of water carries lighter gangue particles out of the vessel, while the dense magnetite settles and is collected.

### 1. FEED – MAGNETIC CONCENTRATE

After magnetic separation



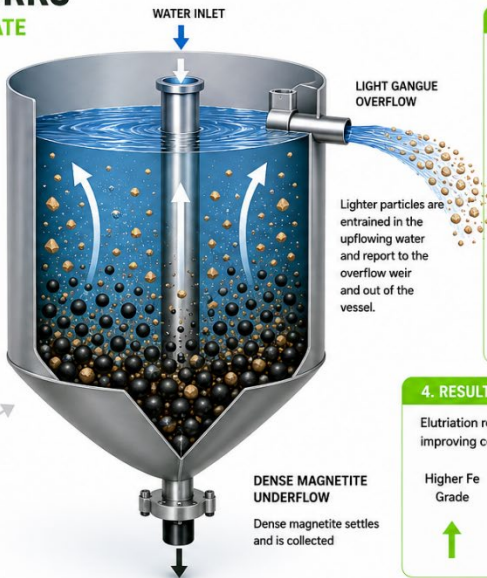
Magnetite  
(SG ~ 4.9–5.2)  
High Density



Gangue  
(Silicates, Carbonates etc.)  
(SG ~ 2.6–3.0)  
Low Density

Typical concentrate:  
~68% Fe, 3–5% SiO<sub>2</sub> + Al<sub>2</sub>O<sub>3</sub>

### 2. ELUTRIATION PROCESS



### 3. HOW IT WORKS

**UPFLOW VELOCITY**  
Water is introduced at a controlled rate to create an upward flow.

Light gangue particles are lifted by the water and flow upward.

**DENSITY DIFFERENCE**  
Dense magnetite particles are not lifted and settle to the bottom.

### 4. RESULTS – UPGRADED CONCENTRATE

Elutriation removes low density gangue, improving concentrate quality.

|                 |                                                         |                                    |                |
|-----------------|---------------------------------------------------------|------------------------------------|----------------|
| Higher Fe Grade | Lower SiO <sub>2</sub> + Al <sub>2</sub> O <sub>3</sub> | Lower Impurities (P, Al, CaO etc.) | Higher Revenue |
| ↑               | ↓                                                       | ↓                                  | ↑              |

| TYPICAL RESULTS (EXAMPLE) | FEED (PRE-ELUTRIATION) |                      |                                    |       |         | ELUTRIATED CONCENTRATE (POST-ELUTRIATION) |                      |                                    |       |         | IMPROVEMENT |                    |
|---------------------------|------------------------|----------------------|------------------------------------|-------|---------|-------------------------------------------|----------------------|------------------------------------|-------|---------|-------------|--------------------|
|                           | Fe (%)                 | SiO <sub>2</sub> (%) | Al <sub>2</sub> O <sub>3</sub> (%) | P (%) | LOI (%) | Fe (%)                                    | SiO <sub>2</sub> (%) | Al <sub>2</sub> O <sub>3</sub> (%) | P (%) | LOI (%) | Fe Increase | Impurity Reduction |
|                           | 68.0                   | 3.5                  | 1.5                                | 0.08  | 1.0     | 69.5+                                     | 2.0                  | 0.8                                | 0.04  | 0.7     | +1.5% Fe    | 20–50%             |

 **A PHYSICAL PROCESS – NO CHEMICALS** Improves concentrate quality using density difference – producing a premium, DRI-ready magnetite concentrate.

## Next Steps

Fine tuning of elutriation conditions will be undertaken during the Feasibility Study, including assessment of operating parameters aimed at maximising product quality, recovery and overall project economics.

The Company will incorporate the results of this work, together with other ongoing process optimisation programs, into the continued development and refinement of the Hawsons Iron Project flowsheet.

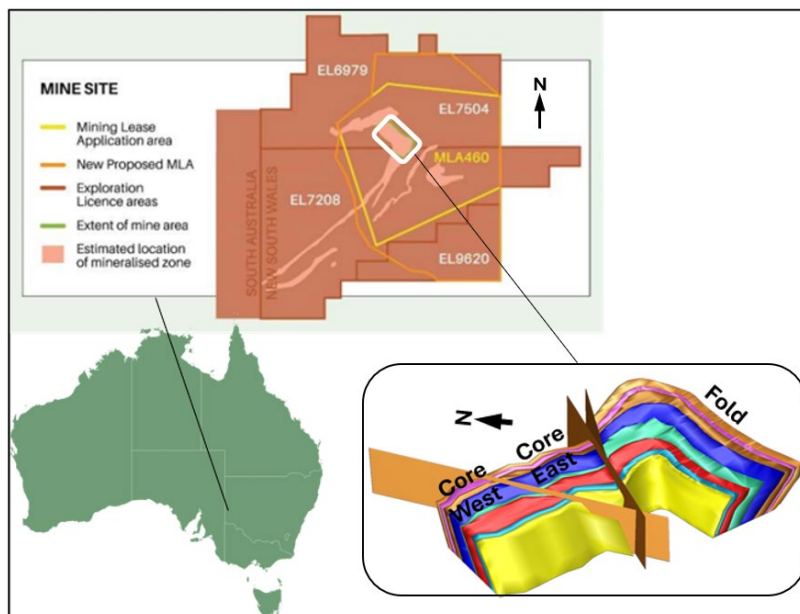


## JORC Code, 2012 Edition – Tables 1 & 3 Hawsons Magnetite Project

### ALS Sample

#### Location and Geology

Hawsons Iron Magnetite Ore Deposit is situated 65km south-west of Broken Hill about 10km on the NSW side of the NSW/SA border. It can be described as a Rapitan-style stratified turbidite sequence that dips approximately 45° down to the SW in the Core West and Core East areas and up to 70° down to the NW in the Fold Area. The sequence consists of magnetite rich siltstones, sandstones and diamictites. The DTR% grade of the magnetite product is up to 70% iron and the ore is comparatively soft where the crystalline magnetite liberates readily from the ore.



**Figure 2:** Hawsons Iron location plan and schematic structural diagram (red band = Unit 3, blue band = Unit 2 and pink band = Unit 1)

#### Sample Constituents

Samples that formed the basis of the analysis consisted of material from Units 2 and 3:

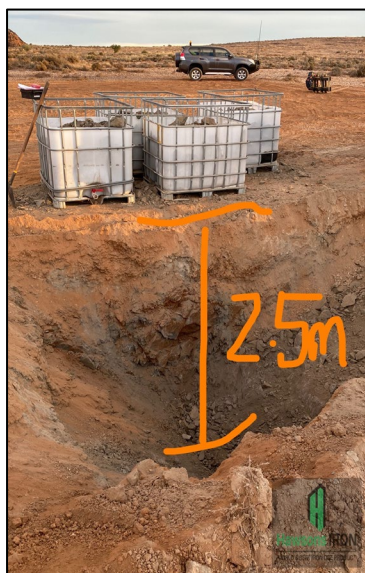
- 15 drums of core samples from drillholes RDCW21005, RDCW21006 and GFCW22020 (**Figure 4**)
- 8C (8inch = 200mm diameter) core hole LDCW21004 cored from 59.00m – 92.70m (= 33.70m total core length). This core was packed into 12 x 200L drums (**Figure 3**)
- While digging the sump for drillhole RCFO23015 high grade material was intersected in the near surface. This material was sampled into 4 intermediate bulk containers (IBCs) (**Figure 5**)



**Figure 3:** Drums 1-4 on pallet #1 (out of a total of 12 drums of 8C core from drillhole LDCW21004)



**Figure 4:** Pallets of trays of  $\frac{3}{4}$  HQ3 diamond drill core to be used for testing at ALS Perth



**Figure 5:** RCFO23015 drillhole sump and an example of the sample recovered

The following is a summary of the sample masses of feedstock for the ALS samples:

|                   |         |
|-------------------|---------|
| Sump sample IBCs: | 5,306kg |
| HQ3 drill core:   | 8,214kg |
| 8C core:          | 3,229kg |

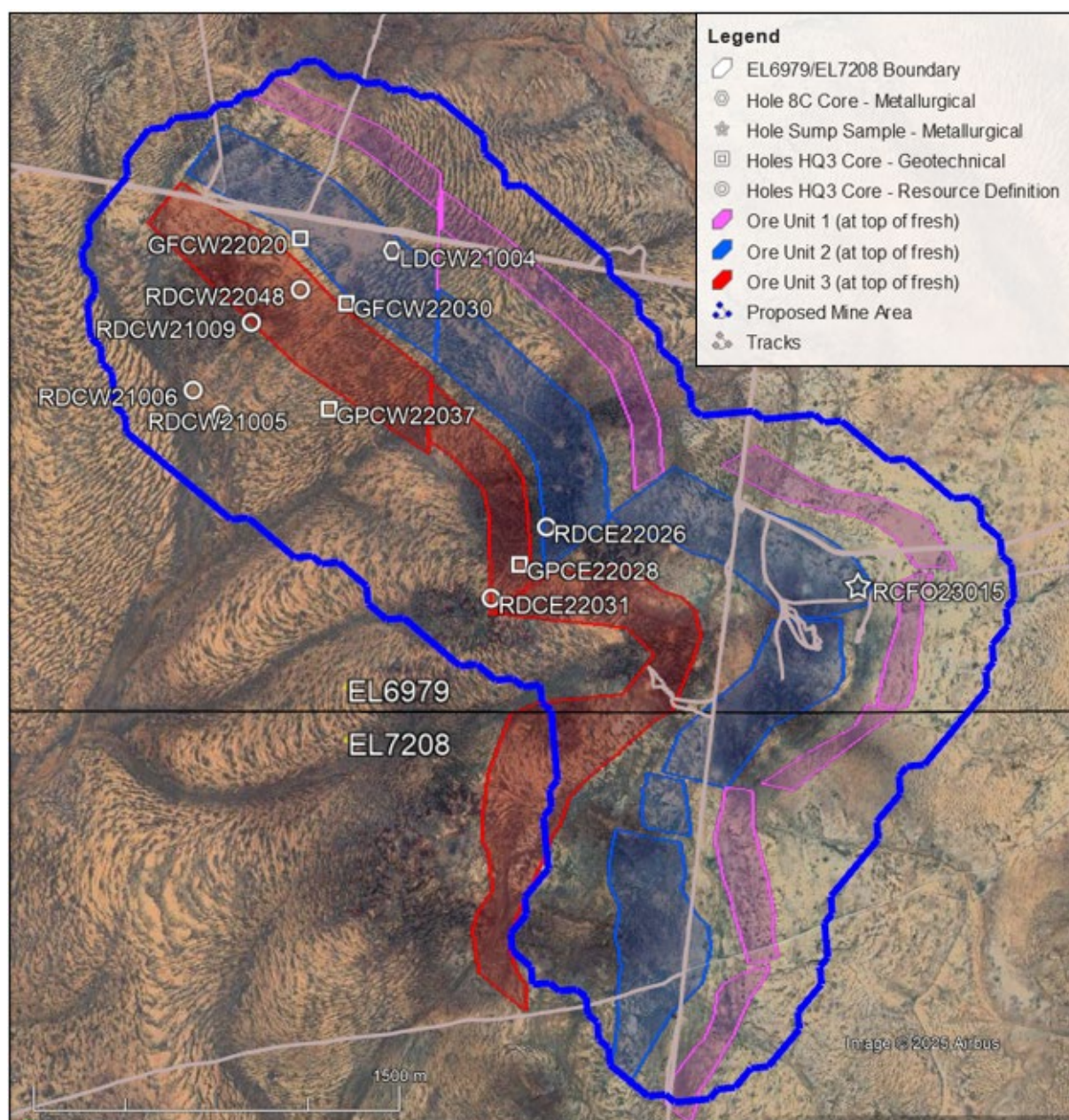
The sample feedstock (HQ3 core, 8C core, and the sump sample) was used in testwork programs at ALS, Perth. This testwork consisted of comminution (crushing and grinding) and magnetic separation to produce the non-mags sample sent for analysis.

The list of core and sump samples used is shown in Table 1.



Table 1: Record of samples used in the process of producing the test sub-samples

| ALS Project No. | Hole ID   | East GDA2020 | North GDA2020 | RL (AHD) | Tot Depth (m) | Azi (°) | Dip (°) | Hole Purpose            | Sample Type         | Depth From (m) | Depth To (m) | Length (m) | Comments                                                                             |
|-----------------|-----------|--------------|---------------|----------|---------------|---------|---------|-------------------------|---------------------|----------------|--------------|------------|--------------------------------------------------------------------------------------|
| A23297          | RDCW21005 | 511965.48    | 6412719.73    | 187.25   | 590.43        | 040     | -55     | Resource Definition     | 1/2 Core in Drums   | 325.00         | 582.90       | 257.90     | Entire core length provided (no missing intervals). 6 Drums of core.                 |
|                 | RDCW21006 | 511852.15    | 6412819.31    | 187.26   | 561.20        | 040     | -55     | Resource Definition     | 1/2 Core in Drums   | 165.50         | 560.20       | 394.70     | Entire core length provided (no missing intervals). 4 Drums of core.                 |
|                 | GFCW22020 | 512291.28    | 6413434.15    | 195.66   | 475.03        | 040     | -65     | Geotechnical Assessment | Full Core in Drums  | 70.00          | 83.45        | 13.45      | Missing intervals (ranging between 19-28cm) sampled for geotechnical testing.        |
|                 |           |              |               |          |               |         |         |                         | Full Core in Drums  | 83.73          | 151.21       | 67.48      |                                                                                      |
|                 |           |              |               |          |               |         |         |                         | Full Core in Drums  | 151.46         | 270.36       | 118.90     |                                                                                      |
|                 |           |              |               |          |               |         |         |                         | Full Core in Drums  | 270.57         | 330.32       | 59.75      |                                                                                      |
|                 |           |              |               |          |               |         |         |                         | Full Core in Drums  | 330.57         | 335.00       | 4.43       |                                                                                      |
| A24666          | RDCE22031 | 513068.21    | 6411981.25    | 195.18   | 400.00        | 040     | -55     | Resource Definition     | 3/4 Core in Trays   | 248.70         | 400.30       | 151.60     | Entire core length provided (no missing intervals).                                  |
|                 | GFCW22030 | 512485.90    | 6413170.68    | 193.30   | 450.81        | 040     | -65     | Geotechnical Assessment | 3/4 Core in Trays   | 2.50           | 6.08         | 3.58       | Missing intervals (ranging between 10-40cm) sampled for geotechnical testing.        |
|                 |           |              |               |          |               |         |         |                         | 3/4 Core in Trays   | 6.28           | 13.16        | 6.88       |                                                                                      |
|                 |           |              |               |          |               |         |         |                         | 3/4 Core in Trays   | 13.54          | 18.81        | 5.27       |                                                                                      |
|                 |           |              |               |          |               |         |         |                         | 3/4 Core in Trays   | 19.10          | 22.70        | 3.60       |                                                                                      |
|                 |           |              |               |          |               |         |         |                         | 3/4 Core in Trays   | 22.97          | 26.30        | 3.33       |                                                                                      |
|                 |           |              |               |          |               |         |         |                         | 3/4 Core in Trays   | 26.50          | 31.93        | 5.43       |                                                                                      |
|                 |           |              |               |          |               |         |         |                         | 3/4 Core in Trays   | 32.14          | 34.63        | 2.49       |                                                                                      |
|                 |           |              |               |          |               |         |         |                         | 3/4 Core in Trays   | 34.89          | 57.90        | 23.01      |                                                                                      |
|                 |           |              |               |          |               |         |         |                         | 3/4 Core in Trays   | 58.30          | 61.10        | 2.80       |                                                                                      |
|                 |           |              |               |          |               |         |         |                         | 3/4 Core in Trays   | 61.35          | 82.17        | 20.82      |                                                                                      |
|                 |           |              |               |          |               |         |         |                         | 3/4 Core in Trays   | 82.57          | 106.58       | 24.01      |                                                                                      |
|                 |           |              |               |          |               |         |         |                         | 3/4 Core in Trays   | 106.86         | 139.60       | 32.74      |                                                                                      |
|                 |           |              |               |          |               |         |         |                         | 3/4 Core in Trays   | 139.90         | 145.16       | 5.26       |                                                                                      |
|                 |           |              |               |          |               |         |         |                         | 3/4 Core in Trays   | 145.40         | 188.34       | 42.94      |                                                                                      |
|                 |           |              |               |          |               |         |         |                         | 3/4 Core in Trays   | 188.60         | 245.80       | 57.20      |                                                                                      |
|                 |           |              |               |          |               |         |         |                         | 3/4 Core in Trays   | 245.99         | 333.22       | 87.23      |                                                                                      |
|                 |           |              |               |          |               |         |         |                         | 3/4 Core in Trays   | 333.72         | 339.90       | 6.18       |                                                                                      |
|                 |           |              |               |          |               |         |         |                         | 3/4 Core in Trays   | 340.17         | 438.70       | 98.53      |                                                                                      |
|                 |           |              |               |          |               |         |         |                         | 3/4 Core in Trays   | 438.80         | 444.57       | 5.77       |                                                                                      |
|                 |           |              |               |          |               |         |         |                         | 3/4 Core in Trays   | 444.85         | 450.81       | 5.96       |                                                                                      |
|                 | GPCE22028 | 513180.20    | 6412114.17    | 195.48   | 250.80        | 220     | -70     | Geotechnical Assessment | 3/4 Core in Trays   | 95.70          | 151.65       | 55.95      | Missing intervals (ranging between 19-26cm) sampled for geotechnical testing.        |
|                 |           |              |               |          |               |         |         |                         | 3/4 Core in Trays   | 151.91         | 219.91       | 68.00      |                                                                                      |
|                 |           |              |               |          |               |         |         |                         | 3/4 Core in Trays   | 220.10         | 231.80       | 11.70      |                                                                                      |
|                 |           |              |               |          |               |         |         |                         | 3/4 Core in Trays   | 232.05         | 241.70       | 9.65       |                                                                                      |
|                 | GPCW22037 | 512402.87    | 6412748.89    | 188.71   | 400.00        | 220     | -70     | Geotechnical Assessment | 3/4 Core in Trays   | 90.00          | 152.60       | 62.60      | Missing intervals (ranging between 25-30cm) sampled for geotechnical testing.        |
|                 |           |              |               |          |               |         |         |                         | 3/4 Core in Trays   | 152.86         | 273.70       | 120.84     |                                                                                      |
|                 |           |              |               |          |               |         |         |                         | 3/4 Core in Trays   | 273.95         | 328.60       | 54.65      |                                                                                      |
|                 |           |              |               |          |               |         |         |                         | 3/4 Core in Trays   | 328.90         | 399.84       | 70.94      |                                                                                      |
|                 | RDCE22026 | 513298.48    | 6412255.92    | 196.49   | 450.40        | 040     | -55     | Resource Definition     | 3/4 Core in Trays   | 339.50         | 450.40       | 110.90     | Entire core length provided (no missing intervals).                                  |
|                 | RDCW21009 | 512091.43    | 6413091.81    | 192.63   | 540.40        | 040     | -55     | Resource Definition     | 3/4 Core in Trays   | 387.30         | 540.40       | 153.10     | Entire core length provided (no missing intervals).                                  |
|                 | RDCW22048 | 512294.53    | 6413222.39    | 194.06   | 402.20        | 040     | -55     | Resource Definition     | 3/4 Core in Trays   | 347.50         | 402.20       | 54.70      | Entire core length provided (no missing intervals).                                  |
|                 | LDCW21004 | 512671.51    | 6413384.05    | 194.07   | 92.70         | 000     | -90     | Metallurgical Testing   | Full Core in Drums  | 59.00          | 92.70        | 33.70      | Entire core length provided (no missing intervals).                                  |
|                 | RCFO23015 | 514556.13    | 6412044.34    | 197.09   | 2.50          | 000     | -90     | Drillhole Sump Sample   | Lump Sample in IBCs | 0.70           | 2.50         | 1.80       | Surficial ore recovered during excavation of a drillhole sump. Loaded into 4 x IBCs. |



**Figure 6:** Locations of source sample sites used for samples.



Table 3: Compliance statement for Hawsons samples and data

| Criteria                                                       | Commentary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Sampling techniques</b>                                     | <p>The feedstock samples tested at ALS Metallurgy &amp; Mineral Processing were derived from selected intervals of HQ3 (61.1mm) diamond core from 10 drillholes and 1 large diameter 8C (200mm diameter) and 1 cored hole drilled within the overall pit shell of the Hawsons project area. An additional 4 x IBC grab sample from the mineralised subcrop in the RCFO23015 drill sump was included.</p> <p>The selection criteria was completed to ensure representative lateral cover existed across the project area and representative vertical cover existed across the prospective mineralised units.</p> <p>All crushing, sampling and assay for individual samples used in the comminution testing was performed to industry standards at ALS Perth.</p> |
| <b>Drilling techniques</b>                                     | No new drill results are reported in this announcement. The drilling results for this exercise have previously been reported.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Drill sample recovery</b>                                   | No new drill results are reported in this announcement.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Logging</b>                                                 | All core sample was logged geologically to a level of detail appropriate to support metallurgical sampling.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Sub-sampling techniques and sample preparation</b>          | Subsampling techniques and sample preparation were conducted to industry standards at ALS Metallurgy & Mineral Processing, Perth.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Quality of assay data and laboratory tests</b>              | <p>All analysis was completed at a third-party laboratory (ALS Perth). The magnetic mineral (magnetite) content (%) was determined by Davis Tube Recovery (DTR). Assay was conducted by XRF to produce a 14-element suite (oxides) and LOI was determined by gravimetric method both on the head samples and the DTR samples.</p> <p>Laboratory procedures are in line with industry standards and are appropriate for magnetite iron ore.</p> <p>The third-party laboratory inserts their own standards at set frequencies and monitors the precision of the XRF analysis.</p>                                                                                                                                                                                  |
| <b>Verification of sampling and assaying</b>                   | Apart from data and samples resubmitted to the third party for review / re-analysis following Lab-In QAQC error-trapping, no adjustments were made to the assay data.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Location of data points</b>                                 | <p>All geolocation x, y, z data is referenced to GDA2020 datum with a Differential GPS. Height datum is AHD.</p> <p>Downhole geolocation survey is conducted using both industry standard logging tools along the drill string and by gyroscopic downhole geophysical logging tools.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Data spacing and distribution</b>                           | Based on the geological understanding of the deposit the composite sample locations are considered adequate to establish the degree of geological and grade continuity appropriate for the samples.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Orientation of data in relation to geological structure</b> | The orientation of the mineralisation and the deposit structure is well understood and sample locations were selected to sample the mineralisation appropriately.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Sample security</b>                                         | All samples are placed in containers appropriate for the nominated analyses and then a chain of custody process is followed to track sample security.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Audits or reviews</b>                                       | No external audit or reviews have been undertaken specifically in relation to these exploration results.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |



## Section 2: Reporting of Exploration Results

| Criteria                                       | Commentary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Mineral tenement and land tenure status</b> | <ul style="list-style-type: none"><li>• The Hawsons Magnetite project is located in Western NSW, 60 km southwest of Broken Hill. The deposit is 30km from the Adelaide-Sydney railway line, a main highway and a power supply.</li><li>• The project is wholly owned by Hawsons Iron Limited who currently manage the project.</li><li>• In December 2023, Hawsons acquired a new tenement (EL9620) that adjoins the southern boundary of EL7208. The project area is entirely within Exploration Licences (ELs) 6979, 7208, 7504 &amp; 9620. Hawsons is the sole tenure holder of these ELs.</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Exploration done by other parties</b>       | <ul style="list-style-type: none"><li>• In 1960 Enterprise Exploration Company (the exploration arm of Consolidated Zinc) outlined a number of track-like exposures of Neoproterozoic magnetite ironstone (+/- hematite) which returned a maximum result of 6m at 49.1% Fe from a cross- strike channel sample. No drilling was undertaken by Enterprise.</li><li>• In 1984, CRAE completed, five holes within EL 6979 seeking gold mineralisation in a second-order linear magnetic low interpreted to be a concealed faulted iron formation within the hinge of the curvilinear Hawsons' aeromagnetic anomaly. CRAE's program failed to locate significant gold or base metal mineralisation, but the drilling intersected concealed broad magnetite ironstone units interbedded with diamictite adjacent to the then untested peak of the highest amplitude segment of the Hawsons aeromagnetic anomaly.</li><li>• These exploration results have been reported to the ASX.</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Geology</b>                                 | <ul style="list-style-type: none"><li>• The Hawsons Magnetite Project is situated within folded, upper greenschist facies Neoproterozoic rocks of the Adelaide Fold Belt. The Braemar Iron Formation is the host stratigraphy and comprises a series of strike extensive magnetite-bearing siltstones generally with a moderate dip (circa -55o), primarily to the southwest. The airborne magnetic data clearly indicates the magnetite siltstones as a series of parallel, high amplitude magnetic anomalies. Large areas of the Hawsons prospective stratigraphy are concealed by transported ferricrete and other younger cover. The base of oxidation due to weathering over the prospective horizons is estimated to average 80m from surface.</li><li>• The Hawsons project comprises a number of prospects including the Core West, Core East, Fold, T, Limb, South Limb and Wonga deposits. Mineral Resources have been generated for the Core and Fold areas, which are contiguous.</li><li>• The depositional environment for the Braemar Iron Formation is believed to be in a subsiding basin, with initial rapid subsidence related to rifting possibly in a graben setting as indicated by the occurrence of diamictites in the lower part of the sequence (Unit 2). A possible sag phase of cyclical subsidence followed with deposition of finer grained sediments with more consistent bed thicknesses, style and clast composition (Unit 3), as compared to the diamictite units. The transition from high (Unit 2) to lower (Unit 3) energy sediment deposition is marked by top of the Interbed Unit.</li><li>• The distribution of disseminated, inclusion-free magnetite in the Braemar Iron Formation at Hawsons is related to the composition and nature of the sedimentary beds. The idioblastic nature of the of the magnetite is believed due to one or more of a range of possible processes including in situ recrystallisation of primary detrital grains, chemical precipitation from seawater, or permeation of iron-rich metamorphic fluids associated with regional greenschist metamorphism. Grain size generally ranges from 10microns to 0.2mm but tends to average around the 40microns. The sediment composition and grain size appear to provide the main control on the mineralisation. There is no evidence for structural control in the form of veins or veinlets coupled with the lack of a strong structural fabric.</li></ul> |



| Criteria                                                                | Commentary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                         | <ul style="list-style-type: none"><li>• In the majority of the Core and Fold deposits the units strike southeast and dip between 45 and 65° to the south west. The eastern part of the Fold deposit comprises a relatively tight synclinal fold structure resulting in a 90° strike rotation.</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Drill hole Information</b>                                           | <ul style="list-style-type: none"><li>• Exploration results are not being reported. No additional exploration has been completed since 2024-H1. Table A on page 6 gives the data for the sample intervals from drillholes that were used in this work.</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Data aggregation methods</b>                                         | <ul style="list-style-type: none"><li>• No new drillhole results are being reported in this announcement.</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Relationship between mineralisation widths and intercept lengths</b> | <ul style="list-style-type: none"><li>• No new drillhole results are being reported in this announcement.</li><li>• Drilling has tended to be at a steep angle to the dip angle of the sedimentary beds.</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Diagrams</b>                                                         | <ul style="list-style-type: none"><li>• Exploration results are not being reported.</li><li>• A map showing the locations of past drillholes that were used in this work is shown in Figure 6 of the body text of the announcement.</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Balanced reporting</b>                                               | <ul style="list-style-type: none"><li>• No new drillhole results are being reported in this announcement.</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Other substantive exploration data</b>                               | <ul style="list-style-type: none"><li>• A substantial amount of polished and thin section work has been completed on both RC chips and diamond core. This work has confirmed the nature and style of both the original sediment and the iron minerals including magnetite, hematite, chlorite and ferroan dolomite.</li><li>• Downhole geophysics comprises magnetic susceptibility, gamma and density and has been completed for a majority of the holes. This has resulted in the definition of a magnetic (and density- related) stratigraphy that is coincident with a chronostratigraphic interpretation.</li><li>• A geotechnical report was furnished by Gutteridge Haskins and Davey (GHD) in 2019 titled “Carpentaria-Hawsons Iron Ore project 2017 Prefeasibility Study Geotechnical Assessment.” This study was completed via a staged approach to progressively improve the level needed to be addressed.</li><li>• For the 2021-2022 exploration program, Pells, Sullivan &amp; Meynink (PSM) completed a geotechnical design study for pit wall stability and to fill the gaps outlined in the GHD report. This report was completed in October 2022.</li><li>• TSIM VLF-EM ground-borne geophysical surveys have been conducted by Hawsons to help ascertain the north westerly and southeasterly extensions of newly discovered near-surface and exposed mineralisation in the Fold Zone and to assist with drillhole targeting.</li><li>• Reinterpretation of the 2010 ground-borne geophysical survey data was completed in 2023-2024 which aided in the modelling of the resource.</li></ul> |
| <b>Further work</b>                                                     | <ul style="list-style-type: none"><li>• Infill drilling is planned to upgrade the current Mineral Resources to Measured and Indicated and to upgrade a portion of the Exploration Target to Inferred.</li><li>• Additional drilling to obtain core for further metallurgical tests is planned.</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |



## Competent Persons Statement

The data in this announcement that relates to results for the Hawsons Magnetite Project is based on, and fairly represents, information and supporting documentation prepared by Mr. Michael Ryan, who is a Member of the Australian Institute of Mining and Metallurgy and has sufficient experience 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 (the "JORC Code"). Mr. Ryan is a consultant to Hawsons Iron Limited and he consents to the inclusion in this announcement of the results in the form and context in which they appear.

For personal use only