

SENSORE COMPLETES LARGE GEOCHEMISTRY DATA INGESTION MILESTONE

HIGHLIGHTS

- SensOre’s geoscience technology experts cleanse valuable geochemical data collected in Western Australia over the past 60 years using proprietary machine learning tools for automated data cleaning and extraction
- SensOre’s multidimensional Data Cube has now expanded to include a major Western Australia 2021 data update for improved AI-enhanced targeting
- SensOre develops more than 12,500 individual geochemical maps over WA
- SensOre completes Phase 1 prospectivity mapping objectives over the central Gawler Craton in South Australia for client Barton Gold

Geoscience technology disruptor SensOre (ASX: S3N) has reached an important milestone having recently completed a major update involving the cleaning and ingestion of valuable geochemical data into its hyperdimensional Data Cube. The expanded Data Cube now includes 2021 released Geological Survey of Western Australia (GSWA) industry data across Western Australia. Completion was achieved and made possible with the use of SensOre’s proprietary machine learning tools for automated data extraction and cleaning, developed via an ongoing collaboration with CSIRO, wherein SensOre maintains all intellectual property rights. The expanded Data Cube strengthens the AI-enhanced exploration services SensOre offers to its clients and partners.

Chief Technology Officer Alf Eggo said: “Data is the most valuable resource in the information economy. It is the lifeblood of modern artificial intelligence and machine learning. No matter what algorithms are applied to develop exploration models and how powerful they are, “Garbage-in, Garbage-out” or “Diamonds-in, Diamonds-out” are the inevitable outcomes. Getting the right data cleaned and quality controlled is the most important and challenging part of building powerful mineral exploration models and is the reason SensOre invest heavily upfront in data.”

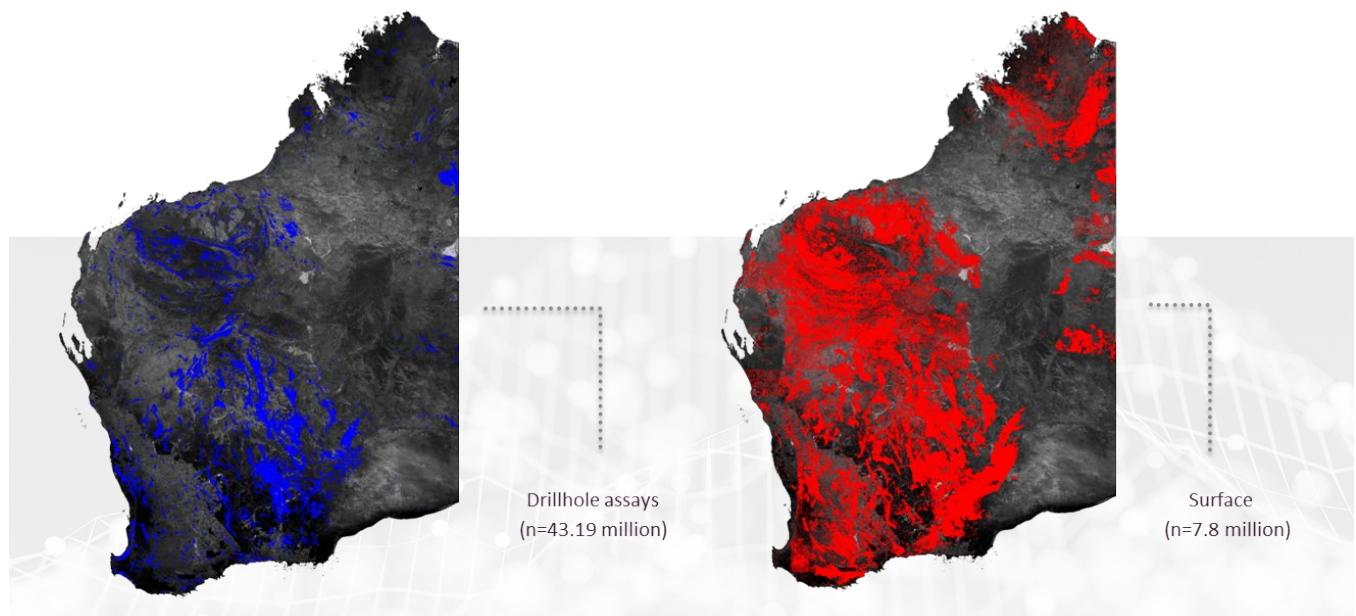


Figure 1: Geochemical data sets over Western Australia

The data acquired by SensOre comprises industry drillhole and surface exploration assay (geochemical) data collected and supplied to the GSWA over the last 60 years, representing approximately 7.8 million surface samples and 43 million drillhole assay intervals. The exploration and mining industry has spent billions of dollars collecting this data, the replacement value of which is estimated to exceed \$10 billion.¹

SensOre is actively applying sophisticated machine learning algorithms to incorporate these assay data into its multi-commodity mineral exploration models and products (including lithium, nickel, gold and copper) used by SensOre and its clients to improve targeting outcomes and increase the potential for mineral discovery.

SensOre's Technology team has used this data and applied its proprietary machine learning tools to construct 147 high resolution geochemical maps for 40 elements at a 250K-scale over WA based on industry surface assay data and a further 138 high resolution geochemical maps for 38 elements at a 250k-scale based on industry drilling assay data. The resulting maps (more than 12,500 individual geochemical maps) are a valuable mineral exploration product now being leveraged by SensOre and its clients to enhance exploration outcomes.

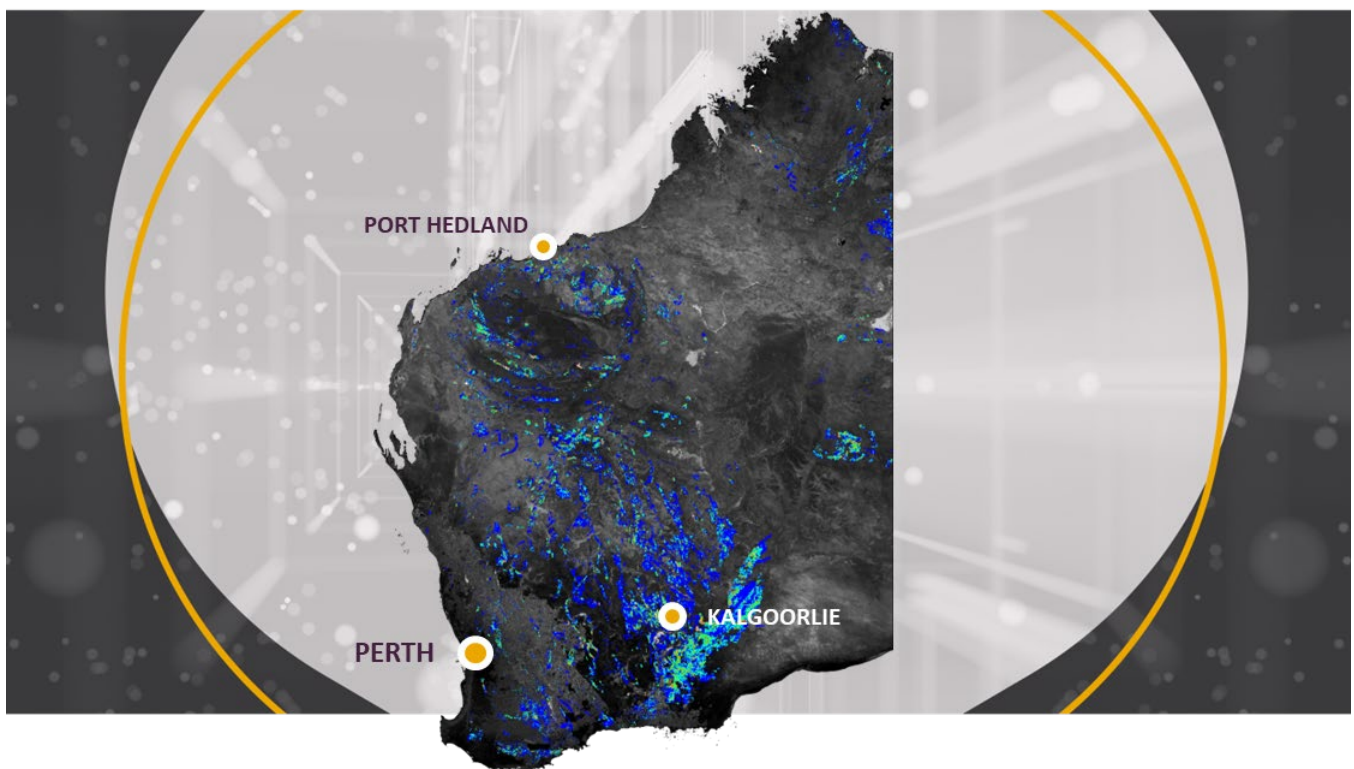


Figure 2: Lithium surface geochemistry index map over Western Australia

Barton Gold Phase 1 completion update

Further to SensOre's ASX announcement dated 21 March 2022 and as announced by client Barton Gold Holdings Limited (ASX: BGD) (Barton Gold) on 14 June 2022, SensOre has completed Phase 1 prospectivity mapping objectives over the central Gawler Craton in South Australia, validating existing gold targets located on Barton's tenements and identifying multiple new gold and copper targets across the 60,000km² target area. Additional information is available in Barton Gold's ASX announcement released 14 June 2022.

SensOre signed a term sheet with Barton Gold to adapt and refine SensOre's AI and machine learning DPT® technology to a portion of the Gawler Craton in South Australia surrounding Barton Gold's assets. The agreement is worth up to \$400,000 in co-funding to add data to the Company's SA data cube in the area surrounding Barton Gold's tenements. SensOre will also be entitled to additional royalty fees linked to gold ounces produced (or copper equivalent).

¹ Estimate of cost to acquire and analyse drilling and sampling data based on 2022 industry exploration rates.

This announcement was approved and authorised for release by the Board of Directors of SensOre.

ENQUIRIES

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ABOUT SENSORE

SensOre Ltd. (**SensOre** or the **Company**) (ASX: S3N) aims to become the top performing minerals targeting company in the world through the deployment of artificial intelligence (AI) and machine learning (ML) technologies, specifically its Discriminant Predictive Targeting® (DPT®) workflow. SensOre collects all available geological information in a terrane and places it in a multidimensional hypercube or data cube. SensOre's big data approach allows DPT predictive analytics to accurately predict known endowment and generate targets for further discovery.

The SensOre Group has built a tenement portfolio of highly prospective, wholly-owned and joint ventured technology metals tenement packages located in Western Australia. As the capacity of SensOre's AI technologies expand to new terranes and a broader range of commodities, the Company anticipates that new targets will be identified and acquired in Australia and internationally.

SensOre's DPT technology has been developed over many years and involves the application of new computer assisted statistical approaches and ML techniques across the workflow of mineral exploration. The workflow includes data acquisition, data processing, ML training, ML prediction and analysis through DPT. SensOre has acquired numerous data sets and used these to generate mineral system targets. Targets have been analysed and vetted by SensOre's experienced exploration geoscientists. Publicly available data in the form of geophysics, surface geochemical, drilling and geological layers and derivatives have been compiled into a massive data cube covering much of Western Australia. SensOre believes that the combination of big data and ML techniques will provide the next generation of exploration discovery.

COMPETENT PERSON'S STATEMENT

The information in this announcement that relates to Exploration Results and Mineral Resources is based on information compiled by Robert Rowe, a Competent Person who is a Member of The Australasian Institute of Mining and Metallurgy (AusIMM) and is a Registered Professional Geoscientist in the field of Mineral Exploration with the Australian Institute of Geoscientists. Mr Rowe is a full-time employee and the Chief Operating Officer of SensOre. Mr Rowe has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken 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 Rowe consents to the inclusion in this announcement of the matters based on his information in the form and context in which it appears.

FORWARD-LOOKING STATEMENTS

This announcement contains or may contain certain 'forward-looking statements' and comments about future events, including in relation to SensOre's business, plans and strategies and expected trends in the industry in which SensOre currently operates. Forward-looking statements involve inherent risks, assumptions and uncertainties, both general and specific, and there is a risk that such predictions, forecasts, projections and other forward-looking statements will not be achieved. Forward-looking statements are based on SensOre's good faith assumptions as to the financial, market, regulatory and other relevant environments that will exist and affect the Company's business and operations in the future. A number of important factors could cause SensOre's actual results to differ materially from the plans, objectives, expectations, estimates, targets and intentions expressed in such forward-looking statements, and many of these factors are beyond SensOre's control. Forward-looking statements may prove to be incorrect, and circumstances may change, and the contents of this announcement may become outdated as a result. SensOre does not give any assurance that the assumptions will prove to be correct. Readers should note that any past performance is given for illustrative purposes only and should not be relied on as (and is not) an indication of the Company's views on its future financial performance or condition. Past performance of the Company cannot be relied on as an indicator of (and provides no guidance as to) future performance including future share price performance. Except as required by law or regulation, SensOre undertakes no obligation to provide any additional or updated information whether as a result of new information, future events or results or otherwise. Nothing in this announcement should be construed as either an offer to sell or a solicitation to buy or sell SensOre securities.