# ASX ANNOUNCEMENT



# SENSORE COMPLETES DRILLING AT EAGLEHAWK GOLD TARGET

SensOre (ASX: S3N) has completed drilling at the Eaglehawk target at the Company's Tea Well JV project near Meekatharra in Western Australia.

The Tea Well JV project is part of SensOre's Yilgarn Exploration Ventures Pty Ltd (YEV) joint venture (SensOre 60%, DGO Gold Limited 40% (ASX: DGO)), where YEV is earning an 85% interest in the Tea Well JV tenements held by a private prospector.

Eaglehawk is located along strike from Great Boulder Resources' (ASX: GBR) Mulga Bill and Loaded Dog prospects (Side Well project), 650km northeast of Perth and 7km southeast of the 6.9Moz Meekatharra Gold Operations in the Murchison region of Western Australia.

SensOre's recently completed air core program comprised 74 holes for a total of 6,480m and followed a gravity survey data sharing exercise between SensOre and GBR undertaken in 2021. Drilling was designed to test for gold mineralisation below cover over the large gravity low and weak gravity high identified due to the data sharing exercise.

Assay results from the air core program are expected in early Q3 CY22.

**SensOre Chief Executive Officer Richard Taylor** said: "The sequence encountered in the drilling is similar to the reported geology from Mulga Bill and Loaded Dog prospects to the north. Additionally, we are encouraged that a deeper weathering profile encountered in the drilling, which includes a deeper leached upper portion, supports the interpretation that historical shallow drilling has not effectively tested the sequence."

Historical shallow RAB/air core drilling undertaken in 2018 (prior to YEV's farm-in) near the southwestern part of the Eaglehawk target recorded anomalous gold values.

Previous SensOre Group exploration on the Greater Tea Well project has consisted of air core, reverse circulation and diamond drilling undertaken in 2022 west of the Eaglehawk target, infill gravity geophysics (400m x 200m spacing), bottom of hole multielement geochemistry and soil sampling campaigns.

Eaglehawk is located in a geologically complex region on the eastern limb of the Polelle Syncline and is associated with a subtle gravity low and disruption of the magnetic signature. While the eastern Polelle area does not currently contain any significant resources, recent exploration success by Bryah Resources Ltd (ASX: BYH) at Gabanintha and GBR at the Mulga Bill and Loaded Dog prospects in its Side Well project together with emerging surface geochemistry work by Castle Minerals Ltd (ASX: CDT) highlight the area's emerging potential.







Figure 1: Greater Tea Well geological interpretation and Eaglehawk target location



Figure 2: Greater Tea Well geophysics and Eaglehawk target location

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## **Project Background**

The Tea Well JV project is located 650km northeast of Perth and is part of SensOre's Greater Tea Well project comprising the Tea Well JV tenements, Tea Well tenements (P51/3115, P51/3116, P51/3117, P51/3118, P51/3119, P51/3120), Tea Well East project tenements (3 tenement applications: P51/3242, P51/3243, P51/3247) and Sandstone Road JV tenements (P51/3051, P51/3052, P51/3053, P51/3054).

YEV is earning an 85% interest in the Tea Well JV project tenements held by a private prospector. The Tea Well JV farm-in agreement was executed on 28 January 2020. To earn its interest, YEV is required to spend \$2.5 million over four years. The agreement covers one exploration licence (E51/1679) and four prospecting licences (P51/2917, P51/2918, P51/2934, P51/3050).

The Greater Tea Well project area contains an outcropping Archean sequence. In the central part of the target area, the younger Polelle sequence contains a folded south plunging syncline dominated by komatiitic basalt and basalts with minor felsic tuffs underlain by the older banded-iron formation and felsic volcanic rocks of the prospective Yaloginda Formation and basal basalts of the Singleton or Murrouli Basalt, locally intruded by dolerite dykes.

A first pass drilling program was undertaken by YEV in mid-2021 targeting anomalous gold geochemistry identified by SensOre coincident with a deep AI-target. The diamond drilling component of the program was part-funded under a successful Exploration Incentive Scheme application.

For further information on the Greater Tea Well project refer to the Independent Technical Assessment Report (ITAR) (Appendix A to the SensOre Prospectus released by ASX on 9 February 2022), including the Meekatharra project overview (ITAR section 5), historical drilling summaries (ITAR Appendix B) and JORC Table (ITAR Appendix I). Other than as reported in this announcement, SensOre confirms that it is not aware of any new information or data that materially affects the information included in the ITAR in relation to Greater Tea Well.

## **YEV Background**

In 2020, SensOre attracted funding from DGO to explore AI-targets in the Yilgarn region of Western Australia. Under the agreement, SensOre secured a \$4 million investment from DGO to acquire a 40% equity interest in SensOre subsidiary YEV. The DGO investment funded YEV exploration activity throughout FY21.

DGO's vision is to build a portfolio of strategic holdings in ASX listed companies with major brownfield gold resource growth potential, and large-scale greenfield discovery opportunities, to achieve substantial growth in shareholder value.

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<sup>®</sup> (DPT<sup>®</sup>) 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.