

## Aston Evaluates Potential Extensions to High Grade Hangingwall and Edleston East Gold Targets

### Key Highlights

- External consultants appointed to conduct structural targeting analysis of the high grade gold mineralisation potential of Edleston Gold Project
- Drilling by Aston at Edleston East previously returned 1.5m at 1,356g/t Au from 362m including 0.5m at 4,060g/t Au (DDED21-003)<sup>1</sup>
- High grade drilling results from the Hangingwall Target include:<sup>1</sup>
  - 5.3m at 42.44g/t Au from 111m (SL-12-86)
  - 3.3m at 57.4g/t Au from 207.4m (SL-12-129)
  - 1.5m at 15.74g/t Au from 298.15m (SL-13-158)
  - 2.03m at 11.11g/t Au from 79m (DDED21-015)
- Exploration targeting program aims to identify the potential extension orientations of these particularly high grade targets
- Results of targeting program and work program plans to be released to market upon completion
- Previous metallurgical testwork showed recoveries of gold in the range 89 - 93% using a combination of conventional gravity and CIP/CIL <sup>2</sup>
- Project is located proximal to IAMGOLD's Cote lake and Almos Gold's Young-Davidson Gold Mines

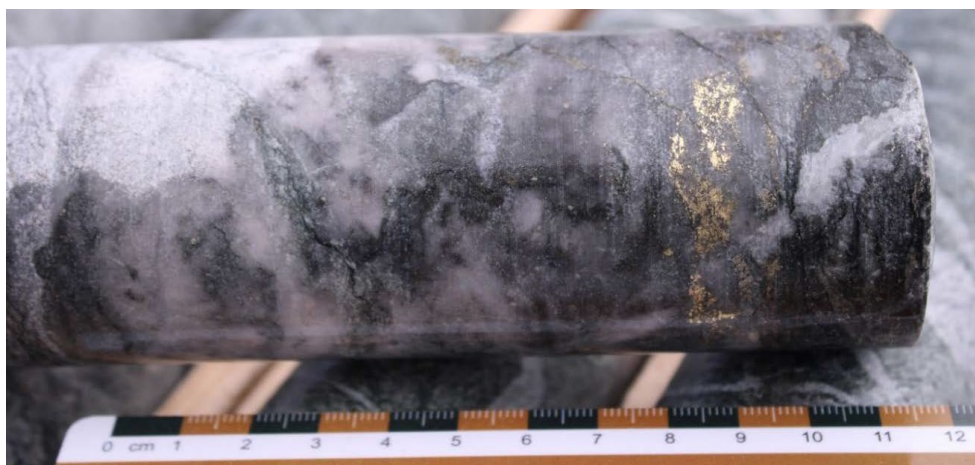


Figure 1: Interval of coarse visible gold veinlets at 362m (DDED21-003)

<sup>1</sup> For full listing of results please refer to ASX Release "Edleston Gold Exploration Update", 11 March 2022

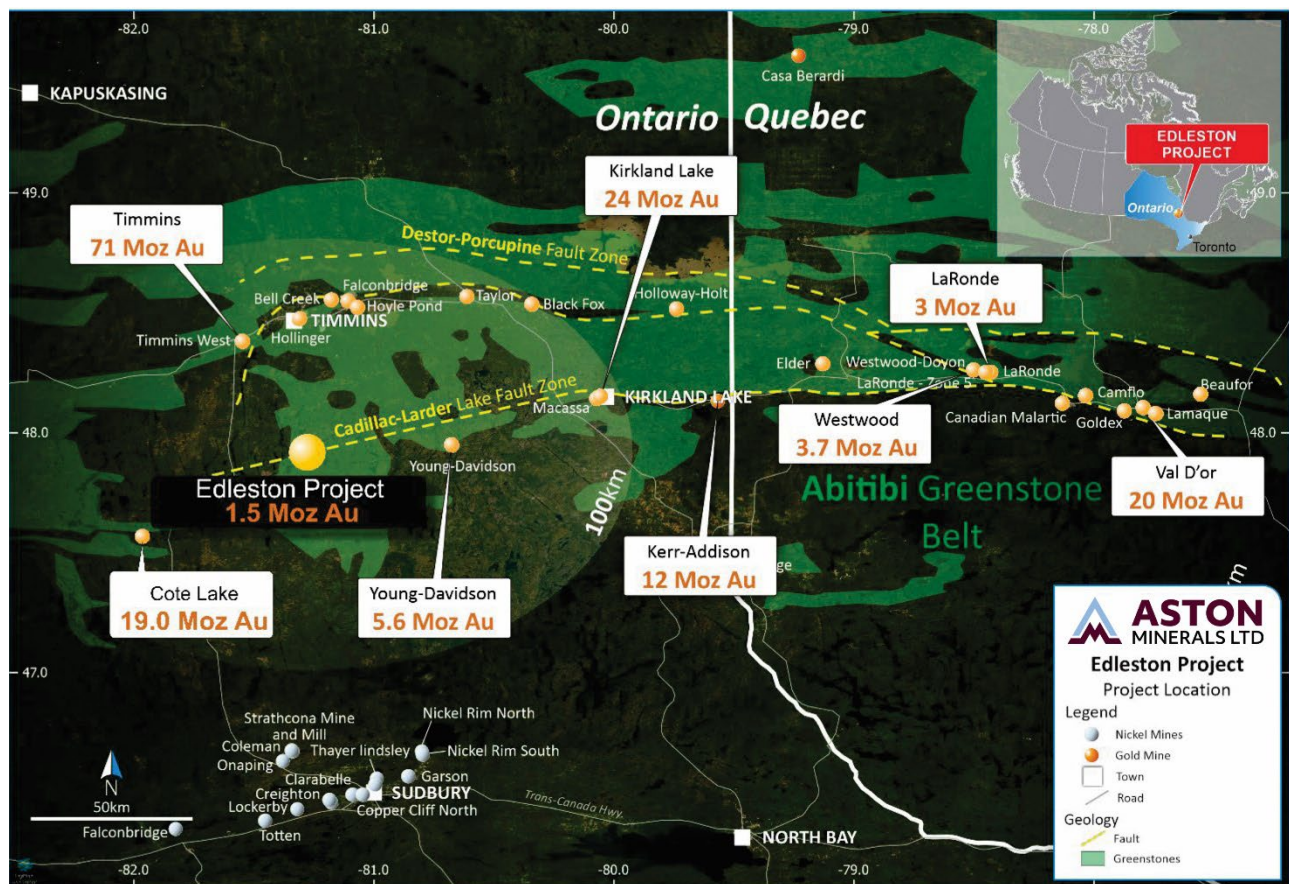
<sup>2</sup> See ASX Release "Further metallurgical testing of gold at Edleston Main Zone achieves up to 93.3% recovery", 23 January 2024

Aston Minerals Limited (**ASX: ASO**, 'Aston Minerals' or 'the Company') is pleased to announce the Company has appointed external consultants to conduct a structural targeting analysis program of the high grade gold mineralisation potential of the Edleston Gold Project. The initial focus of the program is the evaluation of the High Grade Hangingwall and Edleston East Targets. Both of these targets have substantial high grade gold intersected.

Managing Director, Russell Bradford, commented: "With such high grade gold being intersected from two discrete target areas within the Edleston Project and the recent significant appreciation of the gold price, the Company is seeking to understand what the scale potential of these targets are.

"A significant exploration effort was previously made by Aston towards the gold potential at Edleston prior to the Company's strategic decision to focus on the nickel potential in 2021. The Company has a wealth of previous mapping, geophysics and drilling data which will be re-evaluated in order to update our understanding of the geology and extent of gold mineralisation.

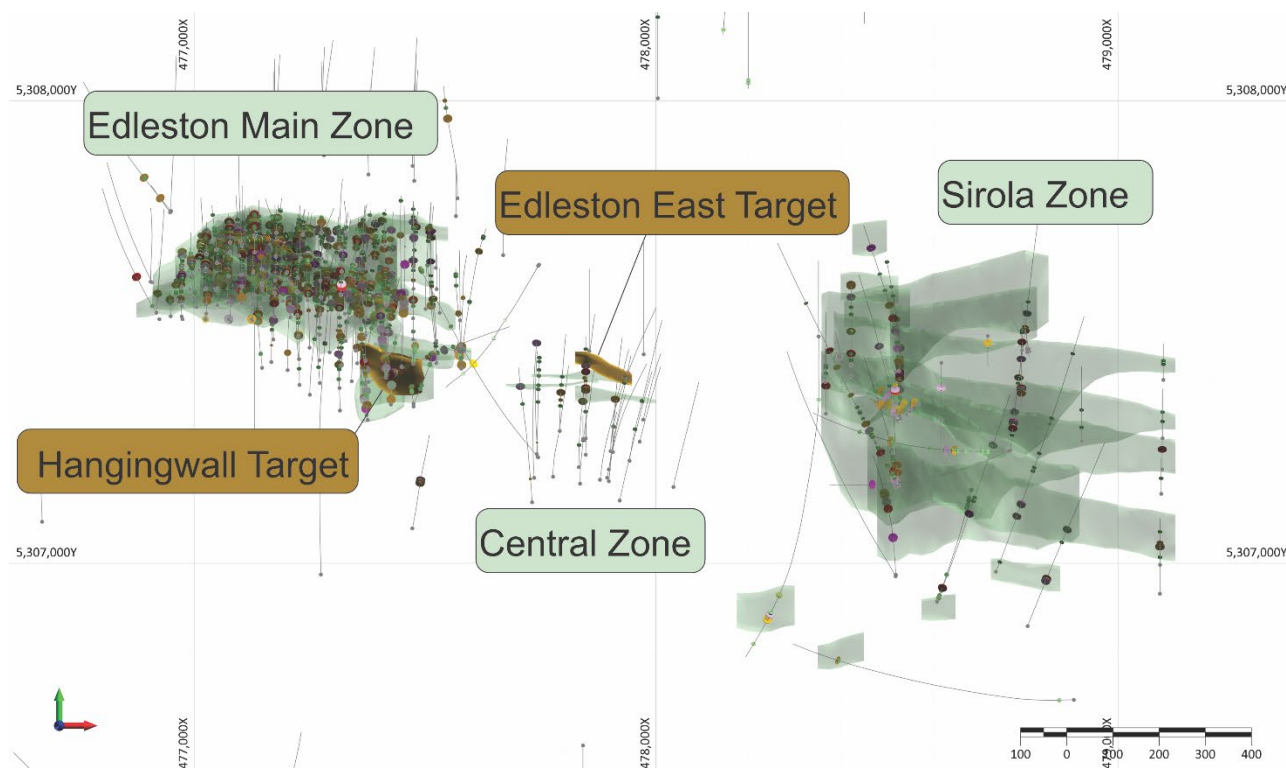
"We will be ready to get the drill rigs turning on site pending the results of the evaluation."



**Figure 2: Location Plan of Edleston Gold Project and Surrounding Deposits<sup>3</sup>**

<sup>3</sup> Edleston Gold Resource: Indicated Mineral Resource of 14.0 Mt at 0.90g/t Au for 400,200 oz Au; Inferred Mineral Resource of 34.1 Mt at 1.00g/t Au for 1,099,800 oz Au; Total Global Resource of 48.1 Mt at 1.00 g/t Au for 1,500,100 oz Au

## Edleston Gold Project Geology



**Figure 3: Plan view of Edleston Gold Deposit- interpreted wireframes, drilling and target areas**

The Edleston Project is located approximately 60km via road to the south of Timmins, Ontario. Both towns of Kirkland Lake and Timmins are significant former and current producers, with all required services and skilled labour available to support exploration and development of the Project.

Edleston is located within the Abitibi Greenstone Belt of Archean metavolcanic and metasedimentary assemblages which have been steeply folded with the axes trending in a general east-west direction. These have been intruded mainly by large granitic bodies and by masses of mafic and ultramafic rocks and well as several ages of younger dolerite dykes. The Abitibi Greenstone Belt extends from north-eastern Ontario and northern Quebec for over 800km.

Regionally the Project is located within the western extension of the Cadillac-Larder Fault Zone along which a number of major gold deposits and mines are located. The occurrence of a Timiskaming conglomerate, similar to that occurring at Kirkland Lake, at several places within the eastern extent of the Project supports this view.

The host lithology is an altered and sheared ultramafic that exhibits extensive silicification and contains abundant quartz-carbonate veins, veinlets and fracture fill. This host unit extends over 10km to the east of the drilled area.

Mineralisation is broadly distributed throughout this lithology as pyrite in ranges of 3 to 5% with trace chalcopyrite and occasional visible gold. Intercalated volcanic and metasedimentary units lie to the north and south of the Edleston mineralised zone.

This announcement has been authorised for release by the Board of Aston Minerals Limited.

## Contacts

**For more information, please contact:**

Russell Bradford  
Managing Director  
[Russell@astonminerals.com](mailto:Russell@astonminerals.com)

## Competent Person's Statements

The information in this announcement that relates to the Exploration Results for Edleston Project is based on information compiled and fairly represented by Mr Robert Jewson, who is a Member of the Australian Institute of Geoscientists and Non-Executive Director of Aston Minerals Limited. Mr Jewson has sufficient experience relevant to the style of mineralisation and type of deposit under consideration, and to the activity which he has undertaken, to qualify as a Competent Person as defined in the 2012 Edition of the Joint Ore Reserves Committee (JORC) Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Mr Jewson consents to the inclusion in this report of the matters based on this information in the form and context in which it appears.

Previous exploration results were reported in accordance with ASX Listing Rule 5.7 on 11 March 2022 and 23 January 2024. The mineral resource estimate for the Edleston Gold Project was reported in accordance with ASX Listing Rule 5.8 on 19 January 2023. The Company confirms it is not aware of any new information or data that materially affects the information included in the previous announcements and that all material assumptions and technical parameters underpinning the estimates in the previous announcement continue to apply and have not materially changed.