

Wednesday, 18th March 2022

Assays confirm thick mineralisation near surface at West Desert

- A very wide intercept of zinc, copper, gold and indium mineralisation has been intersected near surface in metallurgical drill hole WD22-02, the third drill to be completed by American West at the West Desert Project
- Assays confirm a thick high-grade interval from 74.54m:
 - 11.44m @ 6.46% Zn, 0.17% Cu, 0.22g/t Au, 90.73g/t In from 74.54m, including;
 - 7.17m @ 8.57% Zn, 0.26% Cu, 0.33g/t Au, 77.48g/t In from 74.54m
- The high-grade interval is located within a wider zone of 35.52m @ 3.2% Zn, 0.17% Cu, 0.15g/t Au, 16.43g/t Ag and 52.66g/t In from 74.54m
- The assays will be used for metallurgical test work and resource estimation for a potential open pit mining scenario
- Diamond drilling continues at West Desert with more assay results expected in the coming weeks

American West Metals Limited (**American West** or the **Company**) (ASX: AW1) is pleased to announce the assay results for the third diamond drill hole completed at the West Desert Project in Utah (**West Desert** or the **Project**).

Drill hole WD22-02 was designed for metallurgical testing of the near surface ore lenses and was drilled to a downhole depth of 233.8m.

WD22-02 intersected a very thick interval of zinc, copper, gold and indium mineralisation beginning at approximately 60 vertical metres from surface. The mineralisation is variably weathered and consists of oxide and transitional classified ores. The drill hole confirms the continuity near surface of the Main Zone of the West Desert Deposit and is supportive of the potential for an open pit development scenario.

Historical metallurgical test work on the oxidised zinc and copper mineralisation has produced highly encouraging results with traditional processing methods and with high recoveries of zinc, copper and indium from this near surface mineralisation.

Dave O'Neill, Managing Director of American West Metals commented:

"We are very pleased to receive strong assay results for WD22-02, and these will be used to support the metallurgical program.

"The drill hole has intersected thick zinc, copper and indium mineralisation near surface. The interval is particularly enriched in Indium, a critical metal and important credit within our zinc concentrate, with grades up to 237g/t In.



“The drill hole confirms the upper extensions of very thick mineralisation encountered in the first two drill holes completed by American West, and highlights the potential for an open pit operation.

“We are looking forward to reporting on the results for the remaining drill holes in the coming weeks.”

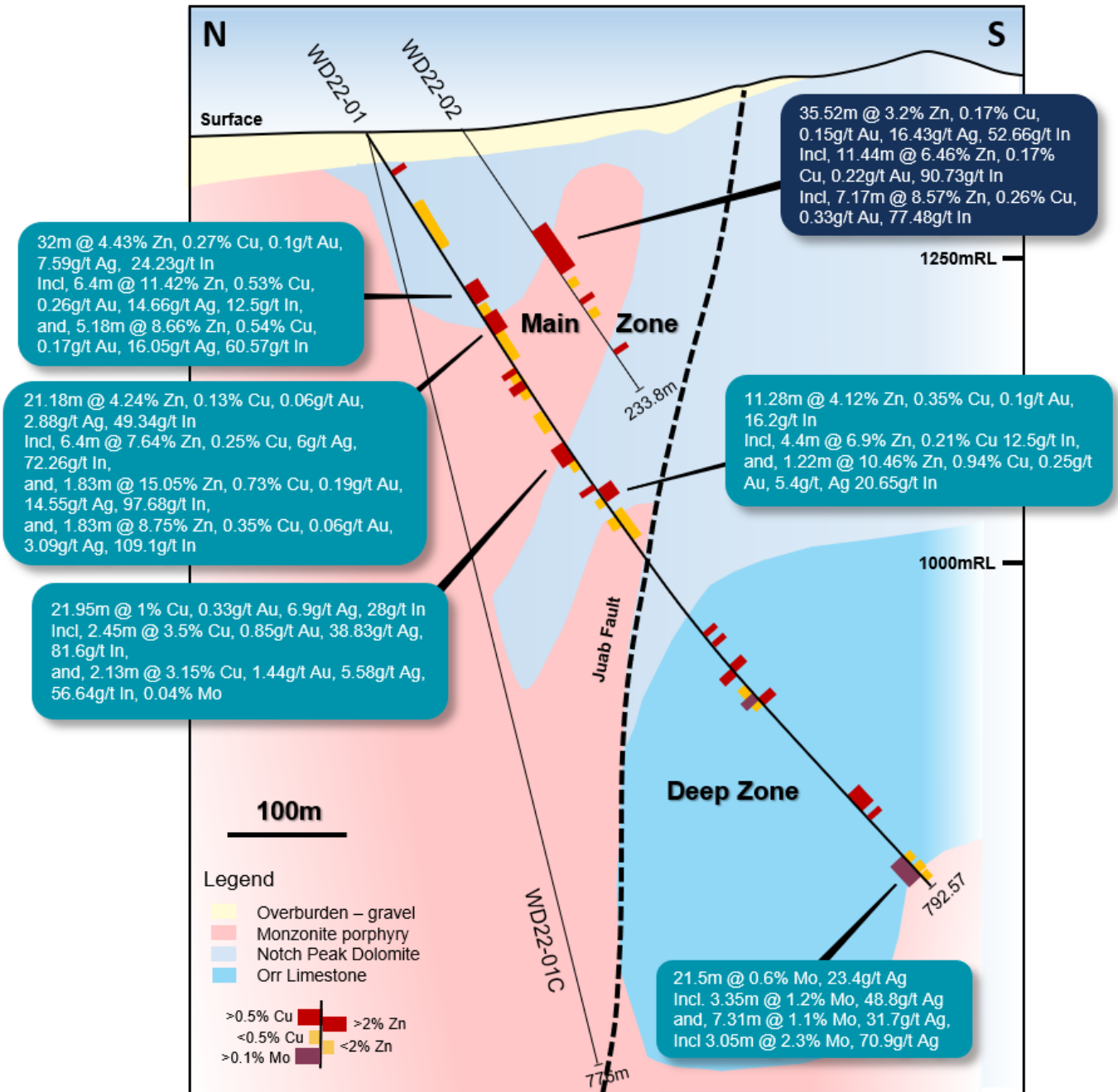


Figure 1: Schematic geological section at 288850E showing main geological units and drilling. The zinc and copper dominant mineralisation intersected in WD22-02 is shown as well as recent intersections encountered along this section (light blue text boxes).

DRILL HOLE WD22-02 DETAILS

WD22-02 was the third drill hole of American West’s initial drill program and was targeting ore grade material in the near surface oxide and transitional zones for metallurgical test work. This area of the orebody contains extensive shallow mineralisation which could support open pit development.

Assays for the drill hole were brought forward in the laboratory queue to allow samples to be selected for important metallurgical test work.

WD22-02 was drilled to a downhole depth of 233.8m, and encountered a number of zones of mineralisation (Figure 1 & Table 2). Intersections are expressed as downhole widths and are interpreted to be close to true widths.

Hole ID	Prospect	Easting	Northing	Depth (m)	Azi	Dip
WD22-02	West Desert	288834	4415234	233.8	181	-52

Table 1: Drill hole WD22-02 details

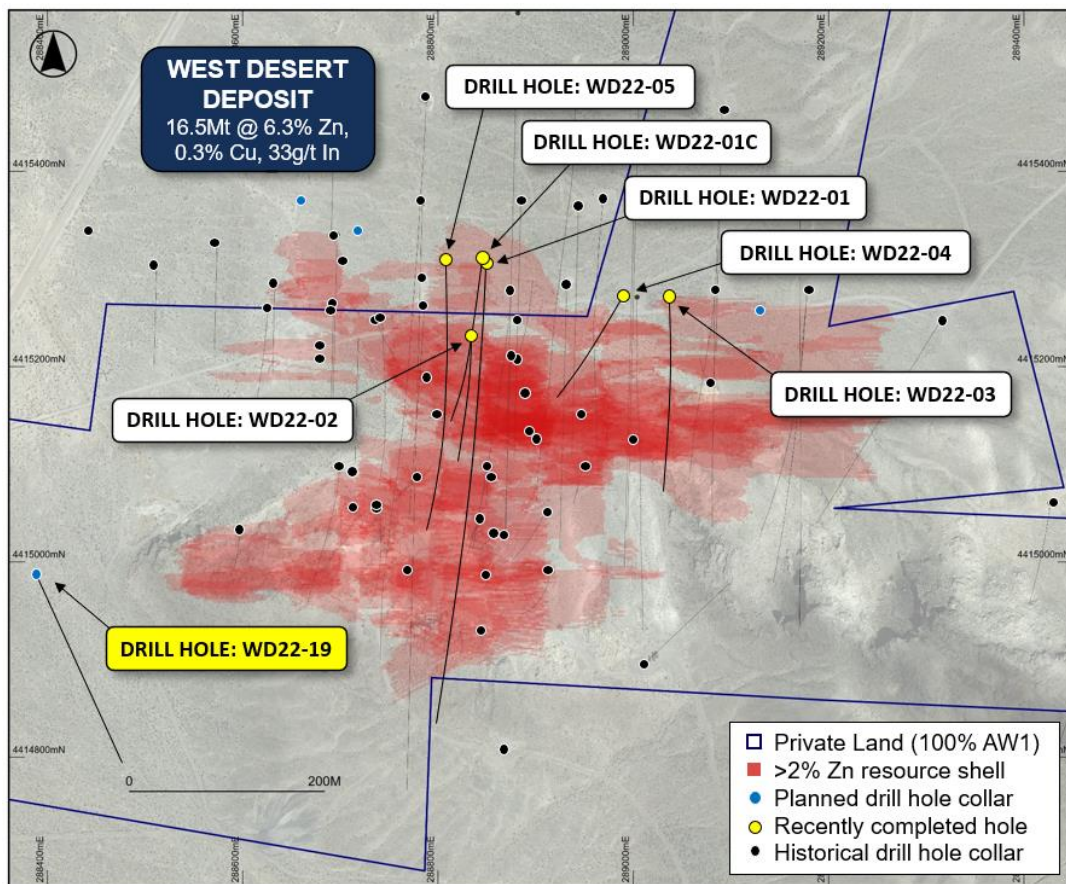


Figure 2: Plan view of the high-grade core of the West Desert Deposit (Red shading showing current >2% Zn ore blocks) and drilling. Drill hole WD22-02 is located within a resource gap of ~ 90m.

The major mineralised interval in WD22-02 is approximately 36m thick and consists of strongly to moderately oxidised massive gossan. The gossan shows relic textures after sulphide and contains visual zinc and copper oxides, which is typical from weathering of strong skarn style mineralisation. Significant sulphur is noted in the assays which suggests that the material is not fully oxidised.

A high-grade copper interval of 0.8m at 3.2% Cu from 104.57m is present within the lower portion of the 35.52m thick main interval (which commences from 74.54m).

A lower broad zone of intermittent (and sub-grade) mineralisation from approximately 134m consists of very thin sphalerite veinlets within monzonite porphyry and massive dolomite, and contains a number of higher-grade fault hosted bands of zinc and copper mineralisation.

Hole ID	From (m)	To (m)	Width	Zn %	Cu %	Au g/t	Ag g/t	In g/t	Mo %
WD22-02	74.54	110.06	35.52	3.2	0.17	0.15	16.43	52.7	-
Including	74.54	85.98	11.44	6.46	0.17	0.22	3.93	90.73	-
Including	74.54	81.71	7.17	8.57	0.26	0.33	5.86	77.48	-
	125.46	125.91	0.45	3.23	0.5	1.3	4.39	-	-
	169.82	171.34	1.52	2.23	-	-	22.33	-	-

Table 2: Summary of significant drilling intersections for drill hole WD22-02 (>2% Zn, >0.5% Cu and >0.1% Mo)

FAVOURABLE OXIDE METALLURGICAL RESULTS AT WEST DESERT

Historical metallurgical test work on oxide mineralisation from West Desert was completed by Kappes, Cassiday and Associates in Reno, Nevada during 2009. The test work showed extremely encouraging results and forms the basis of the work to be completed on new samples from the current drilling program.

During the 2009 work, a master composite sample was created from 36 drill core intervals from drilling completed in 2007 and 2008. The master composite contained an average grade of 9.6% Zn, 0.25% Cu and 15.7g/t In. The bulk sample was crushed into two different size fractions (<1.7mm and >1.7mm) and underwent a series of tests using sulphuric acid leach.

The test work showed that the coarser >1.7mm material achieved recoveries of **95% for zinc, 78% for copper and 43% for indium**. The average acid consumption for the coarse fraction tests was 163kg per tonne of ore.

These findings show that the oxide ores at West Desert may be economically extracted using traditional sulphuric acid leaching. It was also proposed that further work and optimisation of the process could yield even lower acid consumptions and upgrading of zinc, copper and indium. The metallurgical test work from the current drill program will aim to replicate these initial findings and optimise the process further.

Exploitation of the oxide zones at West Desert will give development optionality and significant additional mine life to the project. Prior mining and economic studies at West Desert did not include this material, being purely focused on the sulphide ores and the generation of a magnetite iron-ore product. It is anticipated that an open pit could be mined at much lower grades than the underground mine and this development scenario will be assessed after metallurgical work and a JORC resource update is completed.

EXPLORATION DRILLING CONTINUING AT WEST DESERT

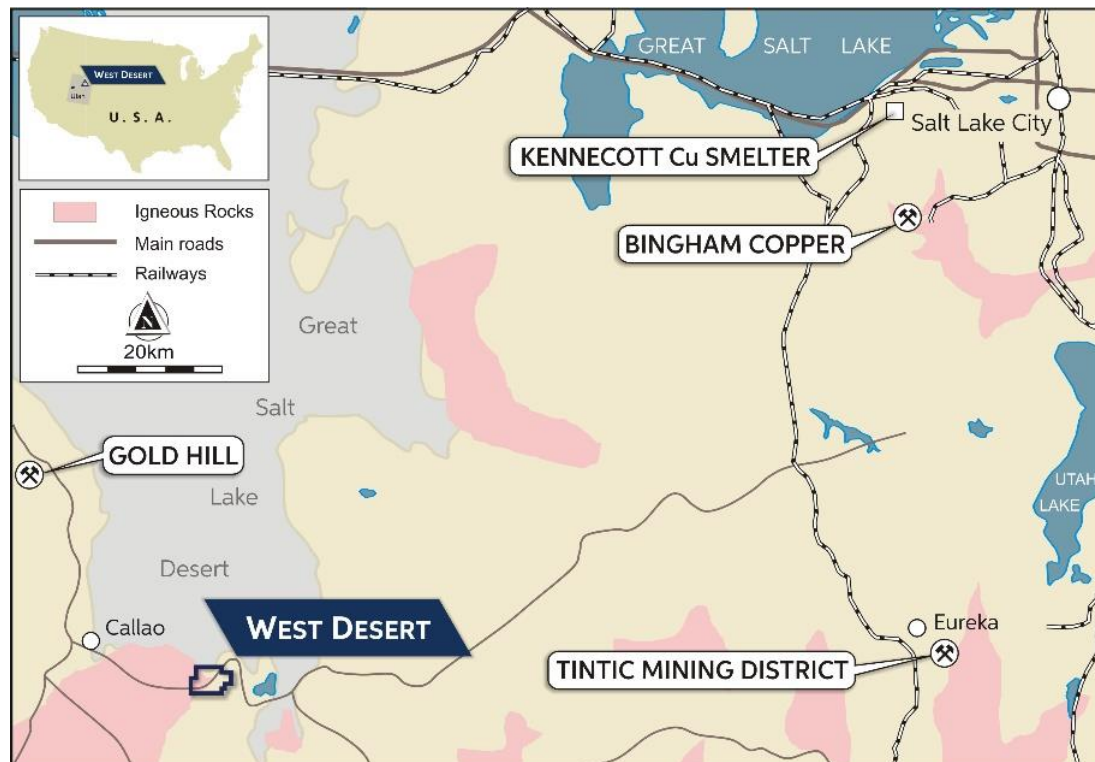
Exploration drill hole WD22-19 is in progress and is expected to be completed in the coming days. The hole is testing a high priority exploration target approximately 300m to the west of the West Desert Deposit. The target is a strong magnetic anomaly that is interpreted to potentially represent further magnetite skarn mineralisation, which is the dominant host of zinc and copper mineralisation at West Desert. There is no historical drilling in this location.

ABOUT THE WEST DESERT PROJECT, UTAH

The West Desert Project is located 160km southwest of Salt Lake City, Utah, within the heart of the Sevier Orogenic Belt which hosts the world class Bingham Canyon copper deposit and Tintic Mining District. The Project now comprises 330 acres of private land, 336 unpatented lode mining claims and a single State Metalliferous Mineral Lease, for a total land holding of approximately 32km².

The West Desert Deposit is 100% owned by American West Metals, and contains a historical and foreign resource (Ni 43-101 compliant) of over **59Mt**, which contains a higher-grade core of approximately **16.5Mt @ 6.3% Zn, 0.3% Cu and 33g/t In** (1.03Mt Zn, 45Kt Cu and 545t In).

The deposit is classified as a polymetallic skarn and carbonate replacement deposit (CRD) that contains large volumes of **zinc, copper, lead, silver, gold, and molybdenum**. The skarn and CRD mineralisation is believed to be related to a large molybdenum rich porphyry system at depth. The mineral system is open and geophysics has identified numerous West Desert 'look alike' targets in the nearmine areas.



This announcement has been approved for release by the Board of American West Metals Limited.

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ASX Listing Rule 5.12

The Company has previously addressed the requirements of Listing Rule 5.12 in its Initial Public Offer prospectus dated 29 October 2021 (released to ASX on 9 December 2021) (**Prospectus**) in relation to the West Desert Project. The Company is not in possession of any new information or data relating to the West Desert Project that materially impacts on the reliability of the estimates or the Company's ability to verify the estimates as mineral resources or ore reserves in accordance with the JORC Code. The Company confirms that the supporting information provided in the Prospectus continues to apply and has not materially changed.

This ASX announcement contains information extracted from the following reports which are available on the Company's website at <https://www.americanwestmetals.com/site/content/>:

- 29 October 2021 Prospectus

The Company confirms that it is not aware of any new information or data that materially affects the exploration results included in the Prospectus. The Company confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the Prospectus.

Competent Person Statement

The information in this report that relates to Exploration Targets and Exploration Results for the West Desert Project is based on information compiled by Mr Dave O'Neill, a Competent Person who is a Member of The Australasian Institute of Mining and Metallurgy. Mr O'Neill is employed by American West Metals Limited as Managing Director, and is a substantial shareholder in the Company.

Mr O'Neill 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 O'Neill consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.



ABOUT US



ABOUT AMERICAN WEST METALS

AMERICAN WEST METALS LIMITED (ASX: AW1) is an Australian company focused on growth through the discovery and development of major base metal mineral deposits in Tier 1 jurisdictions of North America.

We are a progressive mining company focused on developing mines that have a low-footprint and support the global energy transformation.

Our portfolio of copper and zinc projects include significant existing resource inventories and high-grade mineralisation that can generate robust mining proposals. Core to our approach is our commitment to the ethical extraction and processing of minerals and making a meaningful contribution to the communities where our projects are located.

Led by a highly experienced leadership team, our strategic initiatives lay the foundation for a sustainable business which aims to deliver high-multiplier returns on shareholder investment and economic benefits to all stakeholders.

