

Thursday, 16th December 2021

West Desert land position increased as exploration escalates

- **Strategic land expansion completed**
- **A further 148 claims staked, significantly expanding the West Desert Project footprint**
- **American West Metals now controls 100% of the prospective ground in the Fish Springs Mineral District**
- **The land acquisition provides further infrastructure and development options for the West Desert deposit as well as opportunities for new discoveries on unexplored ground**
- **Exploration activities and infrastructure upgrades currently underway at West Desert with inaugural drill program scheduled for next month**
- **Scoping level activities have commenced on mining scenarios for West Desert**
- **Interpretation of the recent ground gravity survey data is nearing completion**

American West Metals Limited (**American West** or **the Company**) (ASX: AW1), is pleased to announce the escalation of exploration activities at the West Desert Project in Utah (**West Desert** or the **Project**), as well as a strategic expansion of the land position around the West Desert deposit.

The new land package has been staked over unexplored ground to the north and east of the historical project claims and covers areas of additional prospective stratigraphy and intrusive rocks. The 148 new Bureau of Land Management (**BLM**) claims are contiguous to the to the existing 100% owned land holding, adding approximately 12km² to the Project area.

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

“We strongly believe that the West Desert deposit is only one part of a very large mineral system, and therefore it was important for us to immediately secure the additional ground adjacent to the current tenure. We now control 100% of the prospective ground around the West Desert deposit, giving us further upside for regional exploration.

“We are pleased to be ramping up our on-ground exploration work and infrastructure upgrades at the Project in preparation for the start of our maiden 7,500m drilling campaign in January 2022.”

STRATEGIC LAND POSITION

The new ground lies directly along strike of the West Desert deposit, as well as an area outside the resource envelope where high-grade zinc and copper mineralisation has been intersected by exploration drilling. It is also along strike from the historical Utah, Galena and Emma zinc-lead-silver mines (20,303 tonnes mined from 1890 to 1953).



The additional ground has been staked to cover the eastern extent of the Juab Fault, and the northern end of the Fish Springs Range. The Juab Fault is one of the major controls on the emplacement and geometry of the quartz-monzonite porphyry, and associated skarn and carbonate replacement (**CRD**) styles of mineralisation in the area.

The northern end of the Fish Spring Range is interpreted to contain the northern contact of the porphyry intrusive, and therefore is also considered as highly prospective. Sparse historical drilling has intersected zinc skarns along this boundary, and the area is largely unexplored.

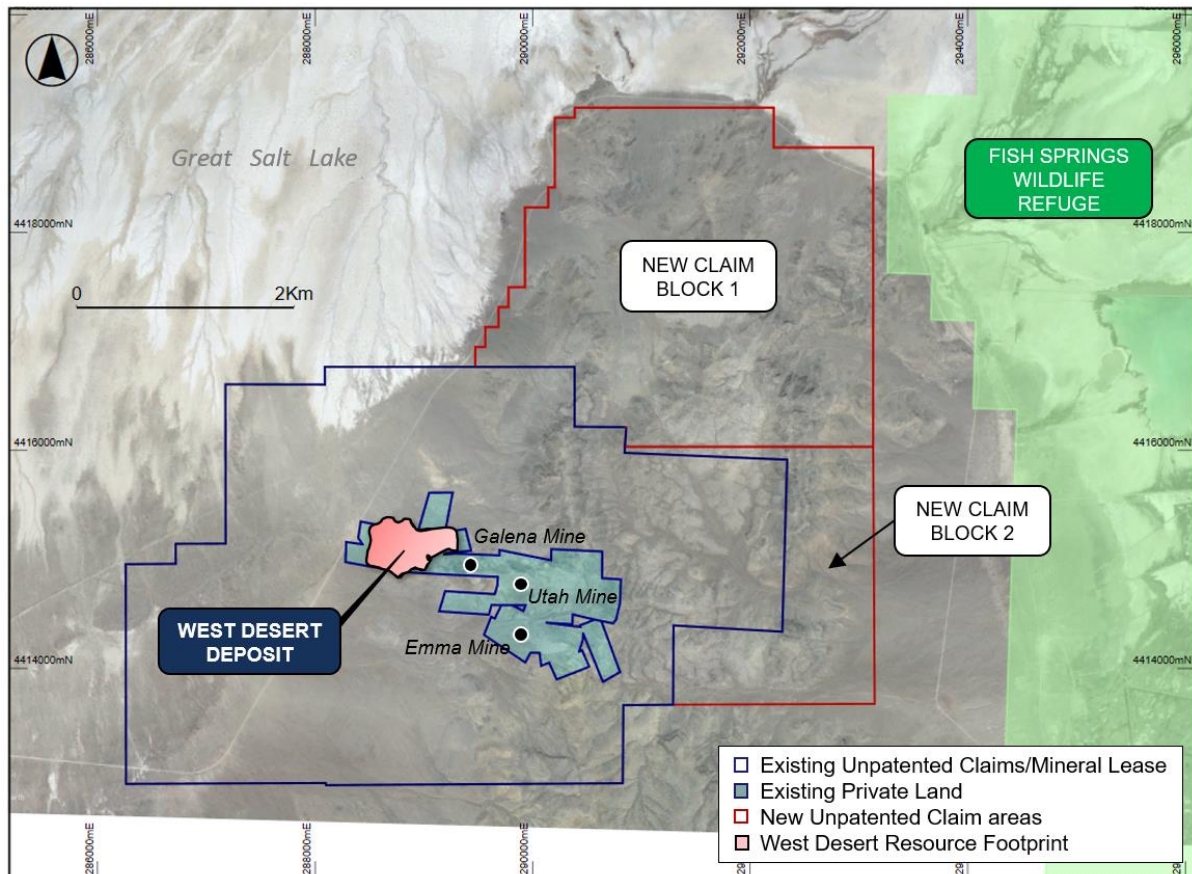


Figure 1: West Desert Project - Land classification plan and surrounds, overlaying aerial photography

EXPLORATION ACCELERATING

On-ground exploration work and infrastructure upgrades continue to gather pace at West Desert in preparation for the expansion of activities during 2022.

Initial work has consisted of a high-resolution ground gravity survey, and the reprocessing and interpretation of historical geophysical data sets. The gravity survey is the first of its type at the Project and was completed over the existing claims and other areas of interest, including the newly staked land (Figure 2).

The historical geophysical work has included magnetics, Induced Polarization (**IP**) and Controlled-source Audio-frequency Magnetotellurics (**CSAMT**). This data is being reprocessed where possible to maximise the advances in processing capability since the completion of the surveys.

The results of the new gravity survey completed by American West are currently being finalised and integrated with the historical geophysical data.

Other work that has commenced includes key project de-risking and scoping level activities including environmental and hydrological studies. Detailed mine design work is also underway focused on a range of development scenarios that would involve both open-pit and underground mining of the high-grade mineralisation.

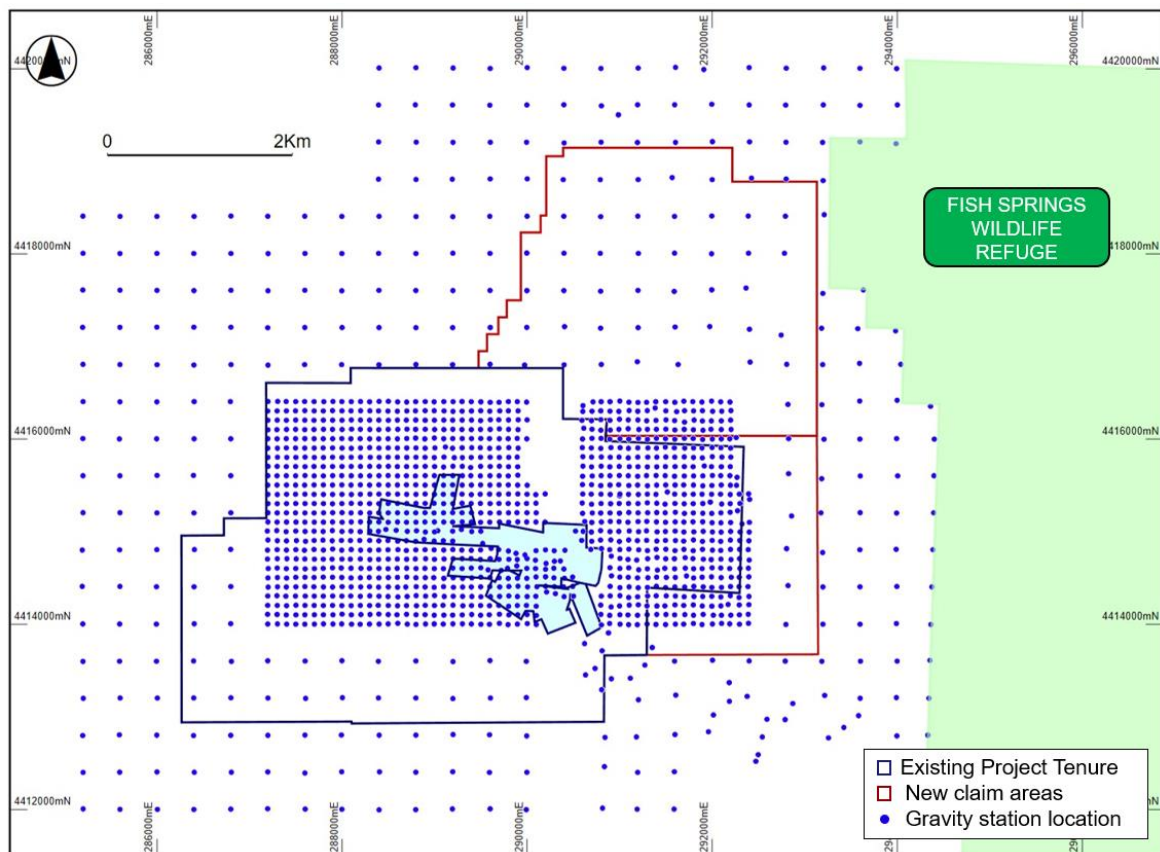


Figure 2: West Desert Project – Ground gravity station locations overlaying project tenure

DRILLING TO BEGIN IN JANUARY 2022

Major Drilling International Group Inc. has been contracted for our inaugural diamond drilling program which is scheduled to begin during early January 2022.

Phase 1 of the program will consist of approximately 7,500m of drilling and will be focused on confirming the continuity of the high-grade mineralisation in key areas within the resource (zinc and copper), and oxide/transitional metallurgical test work.

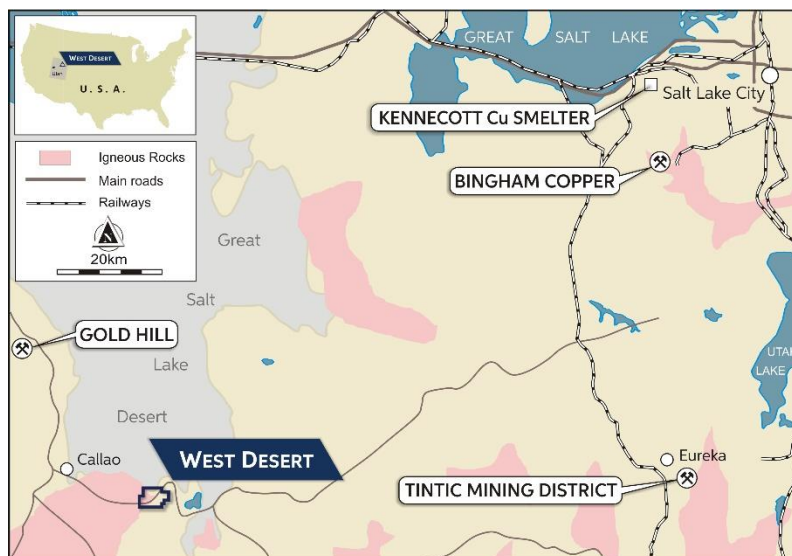
Drill site preparation and camp upgrades to support the drilling have begun, including the construction of an all-season core logging facility.

Phase 2 of the program will focus on exploration and further resource drilling and is expected to commence in March/April 2022. An archeological survey is to begin immediately over the areas to be drilled in Phase 2 in order to finalise permitting for that drilling.



Figure 3: West Desert Project – Drill site preparation for site works, looking west towards Snake Valley

ABOUT 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).

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.



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.

