

# REE Mining Stock Defense Metals (\$DEFN.V; \$DFMTF) & SRC INVESTIGATE XRT AMMENABILITY OF WICHEEDA REE MINERALIZATION

*DEFN.V has commissioned the SRC to complete an XRT sorting amenability study with respect to mineralized feed sourced from its Wicheeda REE Property*

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/EINPresswire.com/ -- Mining/Metals/  
Green Energy Stock News from  
Investorideas.com Newswire: Defense  
Metals Corp. ("Defense Metals") (TSX-  
V:DEFN / OTCQB:DFMTF/ 35D: FSE) is

pleased to announce that it has commissioned the Saskatchewan Research Council ("SRC") to complete an X-Ray Transmission ("XRT") sorting amenability study with respect to mineralized feed sourced from its 1,708 hectare (4,220 acre) Wicheeda Rare Earth Element (REE) Property ("Wicheeda") located close to existing infrastructure near Prince George, British Columbia (BC).

Read this news, featuring DEFENSE METALS in full at

<https://www.investorideas.com/news/2021/mining/01131DEFN-Wicheeda.asp>

Defense Metals and SRC have been awarded National Research Council of Canada Industrial Research Assistance Program (NRC IRAP) funding, a Government of Canada funded program mandated to provide financial support for technology innovation. Funding awarded under the NRC IRAP will cover approximately 70% of the estimated cost of the XRT amenability study test-work.

The Wicheeda project has indicated mineral resources of 4,890,000 tonnes averaging 3.02% LREO (Light Rare Earth Elements) and inferred mineral resources of 12,100,000 tonnes averaging 2.90% LREO(1). Flotation pilot-plant processing of a 26-tonne bulk sample of Wicheeda REE material yielded a mineral concentrate averaging 7.4% NdPr oxide (neodymium-praseodymium) critical magnet metals(2).



XRT sorting has the potential to realize several significant project benefits including:

- Relatively low-cost gangue (unmineralized waste) removal and volume reduction at the front-end of the Wicheeda REE processing stream;
- Potential to have a significant positive benefit on downstream flotation and hydrometallurgical processes via reduced water, heating, and reagent consumption costs; and
- Depending on the success of the test-work these reductions may contribute to overall lower size / throughput and capital cost of potential future commercial REE concentration and refining facilities at Wicheeda.

Craig Taylor, CEO comments:

“Defense Metals looks forward to investigating the potential of low-cost front-end upgrading of Wicheeda REE mineralization via XRT sorting. We have already demonstrated the ability to produce a greater than 50% REO concentrate during flotation pilot plant test-work and we hope unlocking the benefits of XRT sorting will yield downstream processing benefits of increased head grade, flotation concentrate, and hydrometallurgical feed streams”.

Details of XRT Study Methodology

X-ray Transmission (XRT) Analysis:

The XRT investigation requires the selection of large samples containing both gangue and REE mineralization for analysis. The samples are analysed using:

- Dual energy X-ray transmission measurements (DE-CT), and
- QEMSCAN for calibration and mineral identification and modal mineralogy.

Photographs of the polished QEMSCAN samples are used to verify the atomic differences measured by DE-CT. The modal mineralogy is used to determine REE grades.

Image Analysis:

The DE-CT images are analyzed using different sized grids to determine how much gangue can be removed for a range of particle sizes. This process determines the upgrading possibilities for different sorting sizes, the grade of the concentrate and the grade of the waste.

Wicheeda REE Project

The Wicheeda REE project has indicated mineral resources of 4,890,000 tonnes averaging 3.02% LREO (Light Rare Earth Elements) and inferred mineral resources of 12,100,000 tonnes averaging 2.90% LREO(3).

Qualified Person

The scientific and technical information contained in this news release as it relates to the

Wicheeda REE Property has been reviewed and approved by Kristopher J. Raffle, P.Geo. (BC) Principal and Consultant of APEX Geoscience Ltd. of Edmonton, AB, a director of Defense Metals and a "Qualified Person" as defined in National Instrument 43-101 – Standards of Disclosure for Mineral Projects.

About Defense Metals Corp.

<https://defensemetals.com/>

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#### Cautionary Statement Regarding Forward Looking Information

This news release contains "forward-looking information or statements" within the meaning of applicable securities laws, which may include, without limitation, statements relating to the Company's plans for its Wicheeda project, XRT study and the expected benefits and results therefrom, the technical, financial and business prospects of the Company, its project and other matters. All statements in this news release, other than statements of historical facts, that address events or developments that the Company expects to occur, are forward-looking statements. Read in full at <https://www.investorideas.com/news/2021/mining/01131DEFN-Wicheeda.asp>

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[1] Technical Report on the Wicheeda Property, British Columbia, effective June 27, 2020 and prepared by APEX Geoscience Ltd. (Steven J. Nicholls, B.A. Sc., MAIG and Kristopher J. Raffle, B.Sc., P.Geo) is available under Defense Metals Corp.'s profile on SEDAR ([www.sedar.com](http://www.sedar.com))

[2] See Defense Metals News Release date September 23, 2020

[3] Technical Report on the Wicheeda Property, British Columbia, effective June 27, 2020 and

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