

#### FOR IMMEDIATE RELEASE

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# HUDSON REPORTS PRODUCTION OF A 55.3% NIOBIUM CONCENTRATE FROM THE NUKITTOOQ PROJECT IN GREENLAND

Vancouver, BC – HUDSON RESOURCES INC. ("Hudson" or the "Company") (TSX Venture Exchange "HUD"; OTC "HUDRF") is pleased to announce results of independent metallurgical testwork conducted on the high-grade Nukittooq niobium-tantalum project in Greenland which is owned 100% by Hudson Resources Inc. The testwork, conducted by SGS Canada Inc. in its Lakefield, Ontario facility, under the supervision of Hudson's senior consulting metallurgist, John Goode, achieved a niobium (Nb) concentrate assaying 55.3% Nb<sub>2</sub>O<sub>5</sub> at a 66.6% global recovery along with 65% of the tantalum (Ta).

A Composite sample used in the metallurgical test program assayed 22.3%  $Nb_2O_5$  and 0.3%  $Ta_2O_5$ . The Composite sample was comprised of thirty-five samples collected from the Nukittooq project in September 2020 which averaged 19.35%  $Nb_2O_5$  over 112 meters (see NR2020-15). The Nukittooq deposit has some of the highest reported niobium assays in the industry.

QEMSCAN analysis indicated that the Composite sample consisted of pyrochlore (37.3%) (including traces of tentatively identified columbite), aegirine (33.3%), K-feldspars (21.9%), biotite (5.4%), and trace amounts of other minerals (ca. 2%). The major gangue elements in the Composite sample were 36.7%  $SiO_2$ , 11.5%  $Fe_2O_3$ , and 4.27%  $K_2O$ . Rare earth minerals (REM) including synchysite/parisite and bastnaesite were also present in trace amounts.

Jim Cambon, President commented: "We are very encouraged by the success of the metallurgical program and the ability to produce a very high-value niobium-tantalum concentrate with recoveries in line with or above current producers. Our goal is to define significant tonnage and rapidly advance the project where we can ship a concentrate out of Greenland for toll processing. We will continue to advance the metallurgical program and plan to commence a drill program in 2022 to outline economic tonnages along the 500m strike length of this exciting target."

The metallurgical testwork methods conducted by SGS demonstrated the following:

- Wet high-intensity magnetic separation (WHIMS)
  - $\circ$  Conducted at 5,000 Gauss on the Composite sample ground to 80% passing 144  $\mu$ m removed 48% of the aegirine with 8.5% niobium loss. K-feldspar generally followed pyrochlore to the non-magnetic products.



## Gravity concentration

○ This showed limited effectiveness. However, the use of WHIMS together with a Mozley shaking table on the non-magnetic fraction showed some promise. A combined niobium concentrate assaying 55.6% Nb<sub>2</sub>O<sub>5</sub> at 47.6% global recovery was produced.

#### Flotation

- Seven open-circuit flotation tests were performed on stage-ground and deslimed feed material. These tests examined a number of procedures, depressants and collectors. SGS's extensive experience with pyrochlore flotation allowed rapid development of a circuit comprising WHIMS for early rejection of aegirine followed by rougher flotation using a blend of Aero6494+F3900+Pb<sup>2+</sup> which selectively floated pyrochlore from K-feldspar.
- $\circ$  The rougher concentrate was divided into coarse and fine fractions and separate roughing and cleaning systems, using an amine collector, applied to each stream. The combined niobium concentrate contained 55.3% Nb<sub>2</sub>O<sub>5</sub> at 66.6% global recovery.

Hudson owns 100% of the high-grade Nukittooq niobium-tantalum project and the Sarfartoq rare earth element ("REE") project which are both located on the Sarfartoq exploration license in southwestern Greenland. The Sarfartoq REE project has a 43-101 indicated and inferred resource outlining 35,000 tonnes of neodymium oxide plus praseodymium oxide, the two key components in permanent magnets driving the green revolution. The Nukittooq niobium-tantalum project has some of the highest reported niobium assays in the industry with potential to extend the strike length of this largely unexplored target. Hudson also has a 31.1% equity interest in the White Mountain anorthosite mine and rights to acquire 100%.

J.R. Goode, P. Eng., is a Qualified Person, as defined by National Instrument 43-101, and reviewed the preparation of the metallurgical and technical information in this press release.

ON BEHALF OF THE BOARD OF DIRECTORS

"Jim Cambon"

President and Director

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## **Forward-Looking Statements**

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looking statements may be identified by such terms as "believes", "anticipates", "expects", "estimates", "may", "could", "would", "will", or "plan".

Since forward-looking statements are based on assumptions and address future events and conditions, by their very nature they involve inherent risks and uncertainties. Although these statements are based on information currently available to the Company, the Company provides no

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