

## **WINDFALL GEOTEK CARDS AI PROVIDES HIGH PROBABILITY GOLD TARGETS TO ORVANA MINERALS CORP ON ITS TAGUAS PROJECT IN ARGENTINA**

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**Brossard, Quebec / The Newswire / September 14, 2020 – Windfall Geotek (TSX-V: WIN)** a Canadian mining technology services company and a global leader in the use of Artificial Intelligence (AI) for advanced knowledge-extraction techniques since 2005 is pleased to announce that it has entered into an agreement with Orvana Minerals Corp (TSX-V: ORV) to develop gold exploration targets over its Taguas project (41.8 sq/km) located in the in the San Juan province in Argentina.

### **Highlights of the Analysis on the Taguas Project**

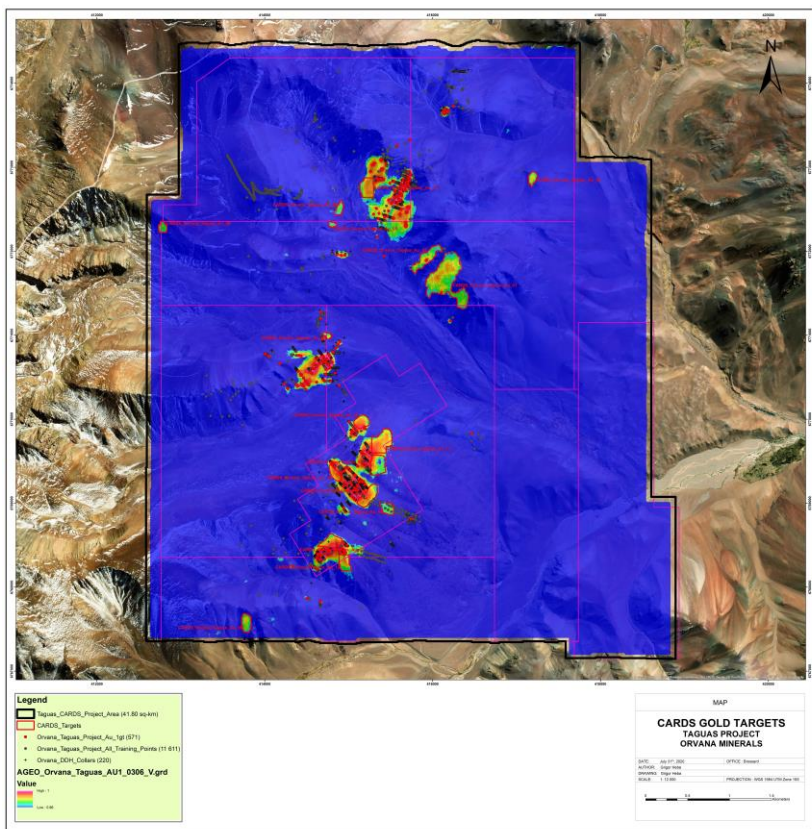
- 17 high probable gold targets identified
- 9 new areas
- 8 existing areas with known mineralization have been expanded
- All the targets identified are based on a level of similarity to the known gold mineralization at 96%.

The Taguas project represents a high-sulfidation epithermal gold-silver system hosted in altered Tertiary age rhyolite volcanoclastic rocks. Windfall Geotek has used data entirely provided from Orvana Minerals in order to proceed to the gold mineral potential analysis with CARDS: Drillhole database (220), Surface Samples database (854), Magnetic (TMI) and Radiometric (K, Th, U & TC) data at 10m resolution (417 716 datapoints). The public SRTM (Shuttle Radar Topography Mission) data has been used to characterize the topography.

By using its CARDS technology, Windfall Geotek has assisted Orvana in identifying & confirming gold exploration targets by creating highly probable gold signatures for the desired area. Windfall Geotek uses its proprietary technology to analyze geophysical, geochemical, and geological data to discover the patterns hidden in the large amount of data that Orvana owns.

**Mr. Raúl Álvarez Cifuentes, Head of Exploration of Orvana, stated:** “We are excited about the identification of the 17 new gold targets, which, if confirmed through additional fieldwork, will materially increase the potential upside of Taguas. Field work planned for the following months will provide key information to optimize the definition of the next drilling campaign”. Mr. Álvarez added that “The Company is taking advantage of new technologies to optimize the exploration programs and reduce costs, while advancing the project despite COVID-19 restrictions”.

The new gold exploration targets that have been identified, are represented as red shapes in Figure 1.



**Figure 1:** Plan map of Orvana Minerals Taguas Project in Argentina with associated CARDS Gold Targets

**Michel Fontaine, President and CEO of Windfall Geotek commented:** *“This contract clearly confirms that Windfall Geotek is the preferred global software choice for the use of artificial intelligence in mineral exploration. This project will serve as a great reference for our Latin American market development programs. It is great to see Orvana Minerals dynamic team take advantage of the strength that the CARDS AI machine learning can provide for its promising land package and datasets”.*

Windfall Geotek has a track record that is unmatched in digital exploration and is pleased to announce that it has secured the services of Sr. Arturo Correa ex Quantum Discoveries, Rio Tinto, to lead its effort of business development in South America from Santiago in Chile.

### **About Windfall Geotek – Powered by Artificial Intelligence (AI) since 2005**

Windfall is an Artificial Intelligence company that has been in business for over 15 years developing its proprietary CARDS analysis (AI) and data mining techniques with over 90 successful projects completed. Windfall Geotek can count on a multidisciplinary team that includes professionals in geophysics, geology, Artificial Intelligence, and mathematics. It combines available public and private datasets including geophysical, drill hole and surface data. The algorithms designed and employed by Windfall are calculated to highlight areas of interest that have the potential to be geologically similar to other gold deposits and mineralization. The Company's objective is to develop a new royalty stream by significantly enhancing and participating in the exploration success rate of mining and to continue the Land Mine detection application as a high priority. Windfall has played a part in numerous past discoveries utilizing its methodology as described at: <https://windfallgeotek.com/>.

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