

## **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.



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