



## Manitou Gold Provides Exploration Update at its 100% owned Properties in the Michipicoten Gold Belt

**SUDBURY, ONTARIO – September 23, 2019 –**

Manitou Gold Inc. (TSX-V: MTU) (the “Company” or “Manitou”) is pleased to provide an exploration update on its 100% owned properties located North of Wawa, Ontario in the Michipicoten Archean Gold Camp.

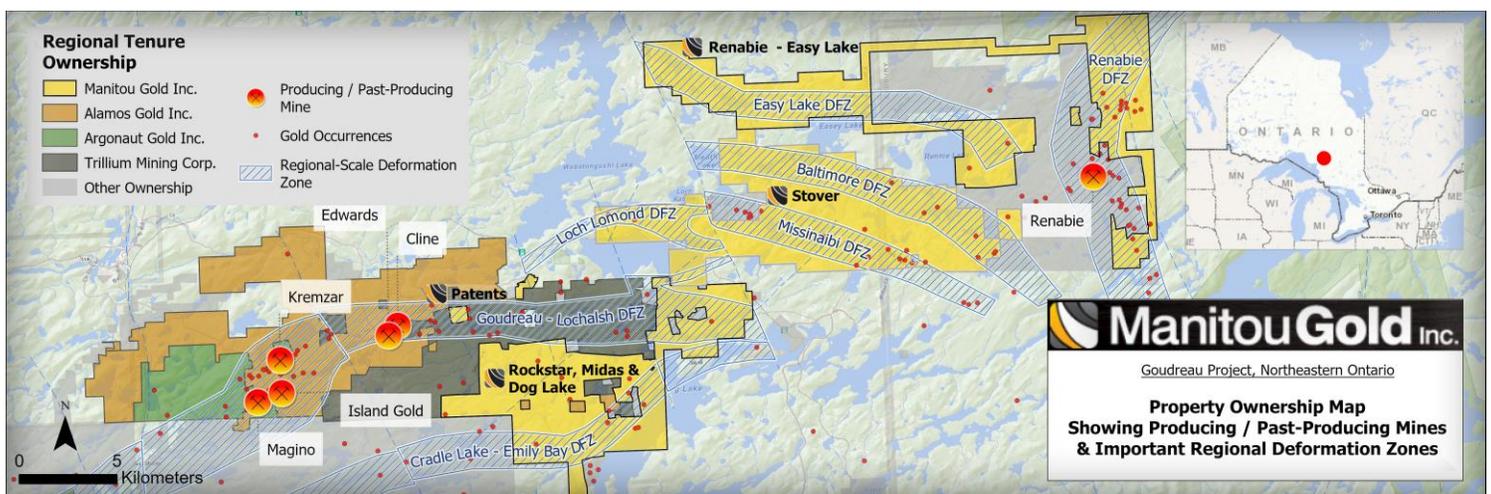
### **Highlights:**

- **Results of up to 79.9 g/t Au from outcrop grab samples were returned from the Renabie-Easy Lake Property; and**
- **Targets with highly prospective alteration and mineralization similar to that of the historic Renabie mine near Missanabie have been identified;**
- **Phase 1 drill program Renabie East Property to commence towards the end of October.**

Grab samples are selected samples and are not representative of the mineralization hosted on the property

### **Manitou Gold’s Goudreau Property Consolidation and Large Scale Deformation Zones**

Over the past 18 months, Manitou has consolidated 22,500 hectares of prospective gold properties in the Michipicoten Archean Greenstone Belt between the Island Gold Mine (operated by Alamos Gold Inc.) to the west and, to the east, the former producing Renabie Gold Mine, (owned by Barrick Gold). The lands assembled consist of 37 kilometres of strike length with at least seven under-explored large-scale deformation zones showing favorable lithology and 50 government-documented gold occurrences. ([see map](#))



Data compilation and ground exploration was initiated as properties were assembled, with early attention being given to the Goudreau Patents, which are located within the Goudreau Localsh Deformation Zone (“GLDZ”), The Company’s Rockstar, Midas and Dog Lake properties are also situated within the GLDZ, and also cover the Emily Bay DFZ. Recently, exploration efforts have

shifted to the newly acquired Stover and Easy Lake–Renabie East properties, which are located in the eastern portion of the Company’s contiguous land package.

## **Exploration Update**

### **Renabie-Easy Lake Property**

Examination of the area in and around the Reed Vein, located in the southeastern part of the Renabie East-Easy Lake property defined a high-strain north-northeast striking mineralized zone in tonalitic rocks of the Missinaibi Lake Batholith. Mineralization and alteration of this structure are both very similar to those of the Renabie deposit, consisting of pervasive hematite alteration and intermittent chlorite, sericite and epidote alteration and intermittent pyrite and galena mineralization. The structure has been traced for over 400 meters along surface before it disappears under overburden. It thus remains open along strike in both directions. Gold mineralization appears to occur in both foliation parallel and cross-cutting quartz veins hosted within zones of high strain.

Previous exploration in and around the Reed Vein demonstrated the presence of significant gold mineralization, but did not see any known follow-up work. Historical highlights from blasted channel samples at intervals of approximately 8 meters along the southern Reed Vein returned an average grade of 6.3 g/t Au with an average width of 1.3 m over approximately 130 m of strike length.

Surface grab sampling by MTU confirmed the presence of significant gold mineralization with assay results up to 79.9 g/t Au. A total of 18 grab samples have now been assayed from this area, with an average gold content of 18.2 g/t. Samples ranged from 79.9 to 0.1 g/t gold. An additional 13 samples from the Reed Vein are still pending analysis. Grab samples are selected samples and are not representative of the mineralization hosted on the property.

Based on current and historical results, several shallow diamond drill holes designed to test this occurrence at depth are currently being planned.

### **Stover Property**

Ground evaluation of the Pileggi No.1 area, located in the south-central portion of the Stover property, targeted an area of known gold mineralization that has seen limited modern exploration. Historical work in the area (ca. 1940s) included trenching, numerous test pits and some limited diamond drilling. Assay results and locations of historical workings were largely undocumented.

Highlight assay results of grab samples collected in the vicinity of the old workings returned 9.37 g/t, 6.2 g/t and 4.1 g/t gold. An additional grab sample of laminated quartz collected 200 meters to south assayed 3.4 g/t gold.

Gold mineralization in the target area is associated with silicified and carbonate altered mafic volcanic rocks with laminated quartz veins and pyrite, chalcopyrite and pyrrhotite mineralization in east-southeast trending shear zones. Fieldwork completed to date in this area identified key targets for high-grade gold mineralization, which will be further evaluated by mechanical stripping to better define drill targets.

Prospecting efforts are also focusing on the Stover Lake occurrence situated in the Baltimore DFZ. Early review of a shallow 1988 drill program in the area identified wide intersections with

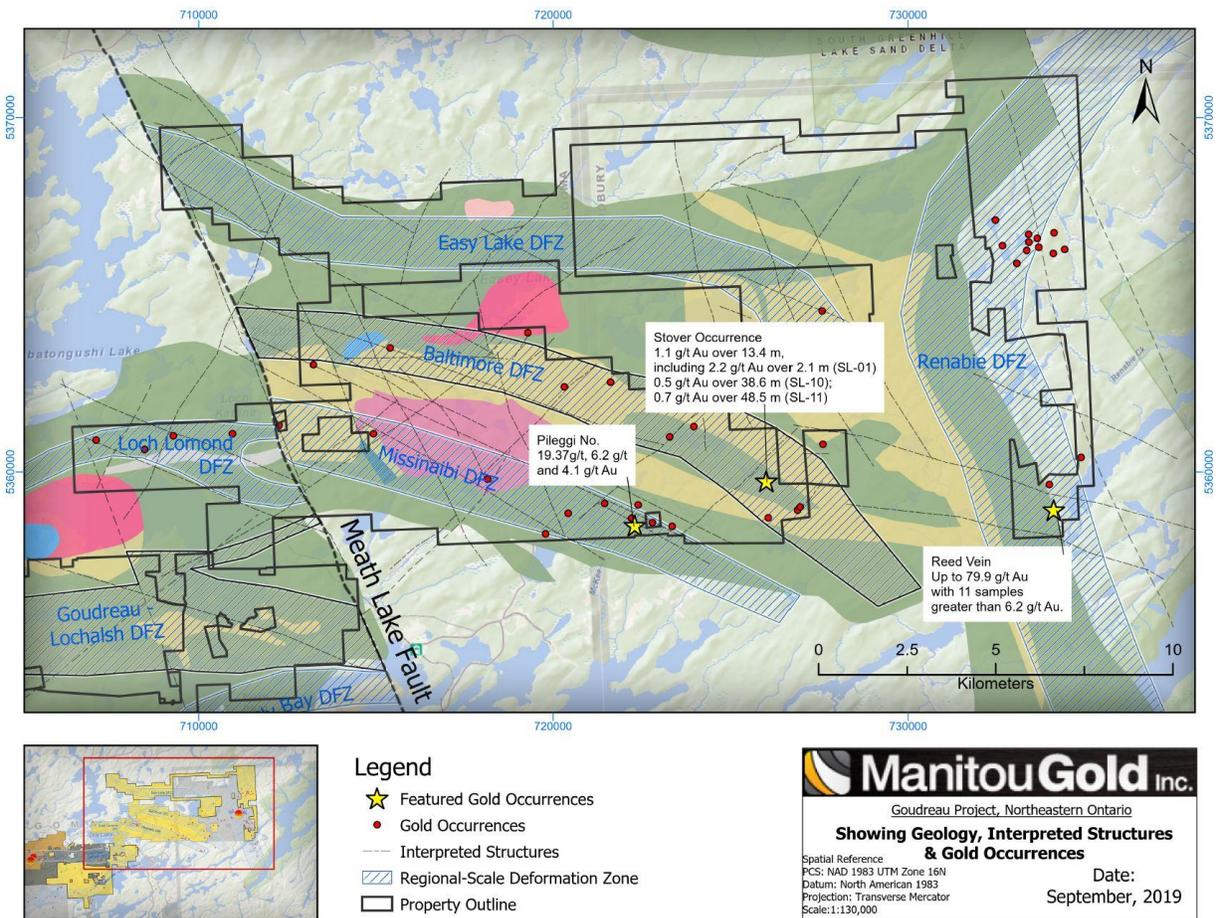
anomalous gold values from five drill holes over a strike length of 61 meters in a predominantly quartz-sericite schist with quartz veining, pyrite mineralization and felsic dykes. The majority of holes intersected mineralization at depths of less than 100 meters.

Highlights of historical intersections at Stover include:

- 1.1 g/t Au over 13.4 m, including 2.2 g/t Au over 2.1 m with a second down-hole intersection of 0.4 g/t Au over 45.8 m (SL-01)
- 0.5 g/t Au over 38.6 m (SL-10)
- 0.7 g/t Au over 48.5 m (SL-11)

Historic drill hole intercepts disclosed above are from diamond drilling completed before the introduction of National Instrument 43-101 and results have not been verified by a Qualified Person.

The Baltimore Deformation Zone (the “BDFZ”) and the wide zones of anomalous gold mineralization it hosts are interpreted as being the continuation of the GLDZ, which hosts Alamos Gold’s Island Gold Mine. Mapping by Manitou field crews has traced the GLDZ eastwards, along strike, across the Dog Lake property. The GLDZ then appears to be offset to the North along the Meath Lake Fault, likely continuing as the Baltimore Deformation Zone for another 16 kilometers to the east-southeast across the Stover Property. Similarities between the two deformation zones include polyphase deformation and metamorphism history with two wide zones (>10s of meters) of carbonate-sericite alteration and associated silicification/quartz veining. [\(see map\)](#)



## **Rockstar**

Exploration crews have been active at the Rockstar vein with surface stripping, channel sampling and trench mapping the Rockstar occurrence. Future efforts will focus on the newly discovered RS2 vein ([see press release dated Aug 29, 2019](#)), which runs parallel and south of the Rockstar vein, to outline its size, geometry and gold potential. This vein is situated south of the GLDZ.

## **Strategic Partnership with Goldspot Discoveries Inc. and Target Generation**

In February 2019, Manitou entered into an Investment Agreement with a related one-year services contract with Goldspot Discoveries Inc. ("Goldspot") to assist in the data compilation, evaluation, interpretation and gold targets generation at the Company's properties.

Since February, Goldspot has been gathering, evaluating and interpreting multiple geophysical datasets that include magnetics, EM, VTEM, TDEM, to identify structures, lithology boundaries, dykes, and iron formations in relation to timing of the emplacement of gold mineralization. This interpretation will assist in identifying larger scale structures, alteration features and geologic boundaries.

In parallel, ground truthing of geology assemblages and structural timing were performed by Goldspot and Manitou's technical teams and will be combined with geophysical interpretation for target generation. Recently, crews have been on the ground focused on the Bankfield and Rockstar occurrences with the discovery of the new RS2 gold vein with an initial grab sample of 39.3 g/t Au.

It is anticipated that by the end of September 2019, Goldspot will submit deliverables on its regional scale geophysical evaluation for areas that cover the Baltimore, Missinaibi, Loch Lomond, Goudreau-Localsh, and Easy-Lake Deformation Zones.

## **About the Goudreau Property**

Manitou Gold's Goudreau-Renabie area properties are comprised of a 22,500 hectare land package set between Alamos Gold's producing Island Gold mine to the West and the past producing Renabie mine to the East that traverses 37 km of contiguous lands along known deformation zones. Exploration of these properties will continue throughout the 2019-2020 field season. Grab samples are selected samples and are not representative of the mineralization hosted on the property.

## **Qualified Person**

Richard Murphy, P. Geo is the qualified person responsible for the technical content contained in this release. He has reviewed and approved the content herein.

Samples reported herein were transported in sealed bags to Activation Laboratories assay lab in Thunder Bay, Ontario. Samples were then crushed to 75% passing 2mm, split, then pulverized to 85% passing 75 microns. Using a riffle splitter, a 50g sub-sample was created. Then, 50g fire assays were performed with an AA finish. Over limit analysis was performed on all primary assay results >3 g/t Au. All over limits were tested by fire assay with gravimetric finish.

For grab samples, Manitou Gold relies on the laboratory quality assurance and quality control program. A certified assay standard, blank or duplicate sample is submitted at regular intervals. Standard analytical results are checked for statistical accuracy.

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