



WORK SUMMARY DETOUR QUEBEC OROGENIC GOLD PROJECT, QUEBEC

Prepared by:

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March, 2016

WORK PROPOSAL SUMMARY

DIAGNOS proposes to use its proprietary Computer Aided Resource Detection System (CARDS) to target the gold potential of the Detour Orogenic Gold Project area located in the northwestern part of the Abitibi Subprovince, Quebec (Figure1).

Geological Context

The project includes also the Detour Lake area located in the northeastern part of Ontario, a highly prospective area for gold deposits associated with the Sunday Lake and Lower Detour deformation zones. It is mostly known for hosting the Detour Lake Mine which has a gold reserve evaluated at 15.5 M ounces. The Detour Quebec project area became a focal point for the gold exploration in Quebec since the Sunday Lake and Lower Detour deformation zones have been traced for over 100 km regionally into Quebec.

The area covered by the project “is underlain by the Harricana-Turgeon Greenstone Belt, which forms the northern-most part of the Abitibi Subprovince near its interpreted boundary with the Opatica Subprovince. This greenstone belt is cut by a network of regional deformation corridors that extend from Ontario eastwards and separate two dominantly volcanic domains from an area dominated by volcanic-derived sedimentary rocks with minor volcanic rocks. These regional high-strain zones include the Lower Detour (LDDZ) and Sunday Lake (SLDZ) deformation zones, which track east-west and are spatially associated with significant orogenic gold mineralization, including the Detour Lake gold deposit (Ritchie et al., 2012)”.

Available Data

- High-resolution aeromagnetic data compilation of the Abitibi, Quebec-Ontario (Figure 3) at 50m resolution (Sigeom, QC), (Figure 2)
- Topography (SRTM) at 30m resolution from USGS Geological Survey
- 19 750 compiled gold assays (Figure 3) from :
 - (1) the Ministère des Ressources naturelles (MRN) du Québec’s database (SIGEOM);

- (2) the Ontario Geological Survey Assessment Files database (AFRI);
- (3) the Detour Gold Corporation (NI 43-101-Report, 2014);
- (4) the compilation by DIAGNOS of most recent assessment report data provided from reports through the SIGEOM (MRN).

Proposed AI Model

MODEL: Detour Quebec Orogenic Gold Mag

Project Area: 13 212.6 sq/km

Model Resolution: 50 m

Total Variables: 368

Total Data Points: 5 284 800

Element to identify: Au (threshold Au \geq 1000 ppb)

Proposed Work

Step 1: Data Verification

- Review of all the geophysical, drillhole assays, showings and rock samples data available in a digital format
- Ensure data characterize the similar geological context
- Verify the quality and quantity of the data for target generation

Step 2: Data Preparation

- Data prep. for magnetic data
- Data prep. for primary magnetic, derivative and neighbouring variables
- Compilation of variables dataset

- Compilation of training dataset using drillhole, showings and surface samples assays data

Step 3: Target Generation

- Use AI Proprietary method to perform high similarity gold exploration targets

For further information or explanation, don't hesitate to contact WINDFALL GEOTEK.

Respectfully submitted

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Figure 1 : Detour Quebec Orogenic Gold Project Location

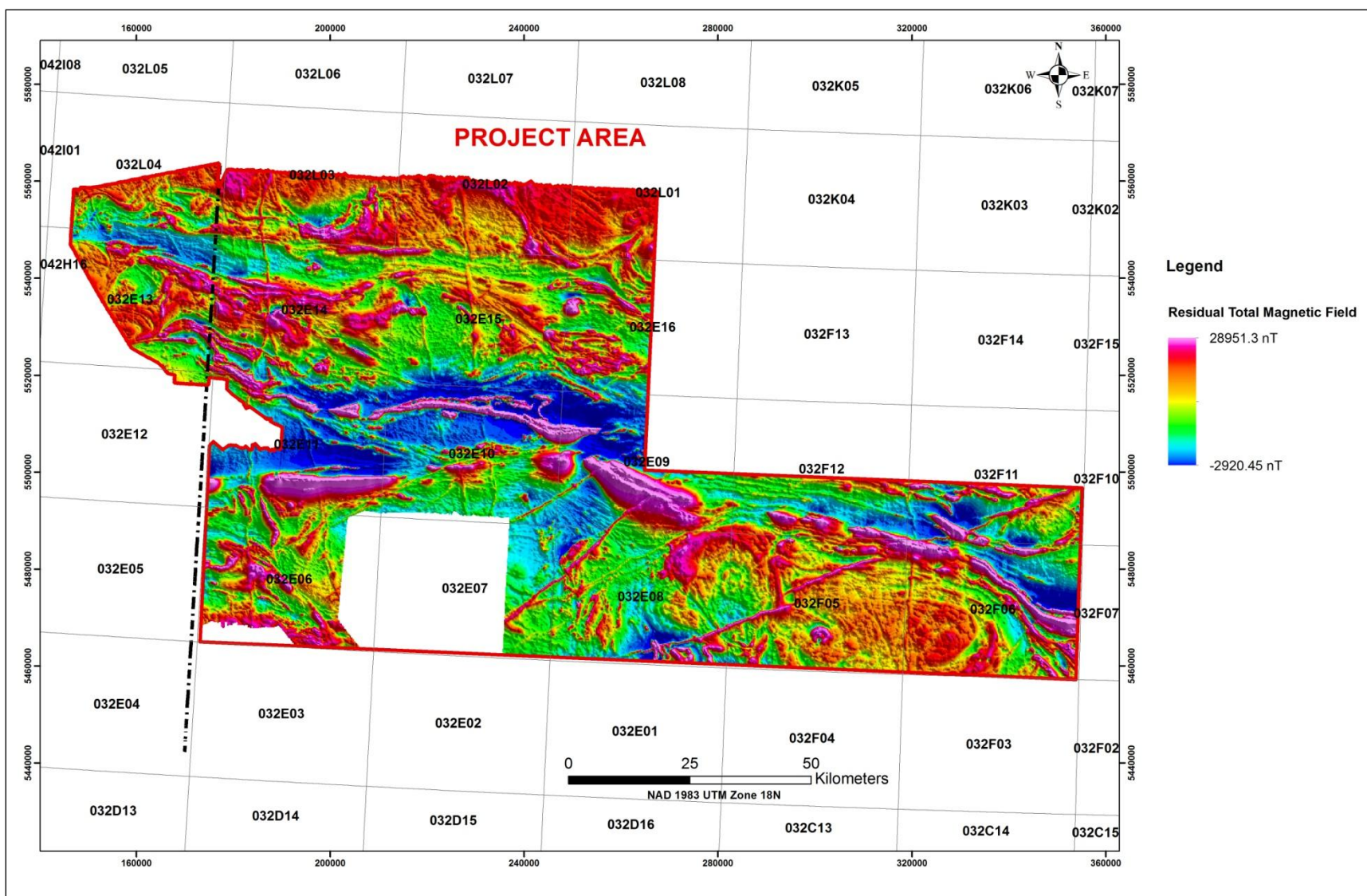


Figure 2: Magnetic data from the High-Resolution Aeromagnetic Data Compilation of the Abitibi Quebec-Ontario, GSC Open File 6563

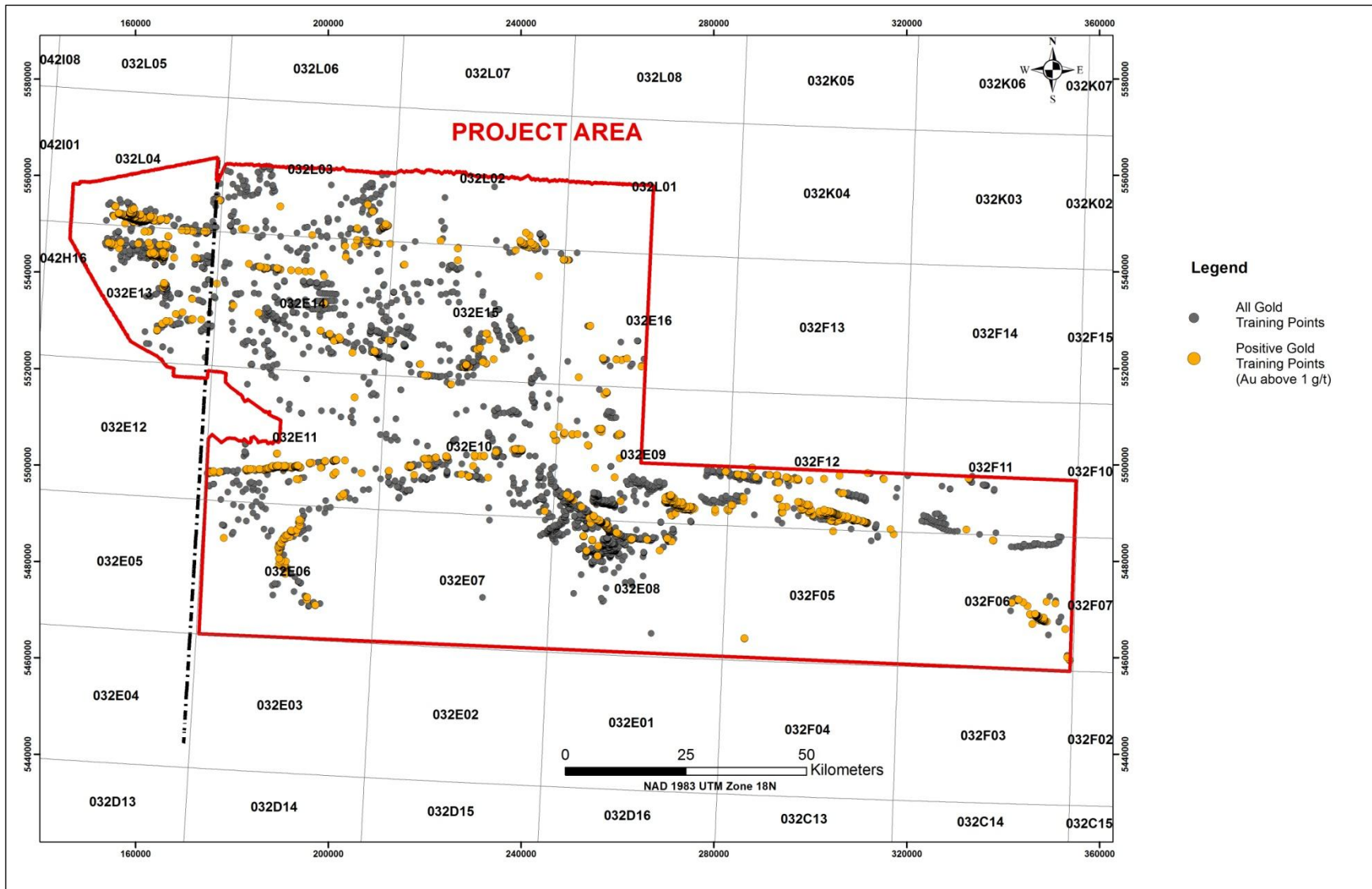


Figure 3: Gold assays distribution data