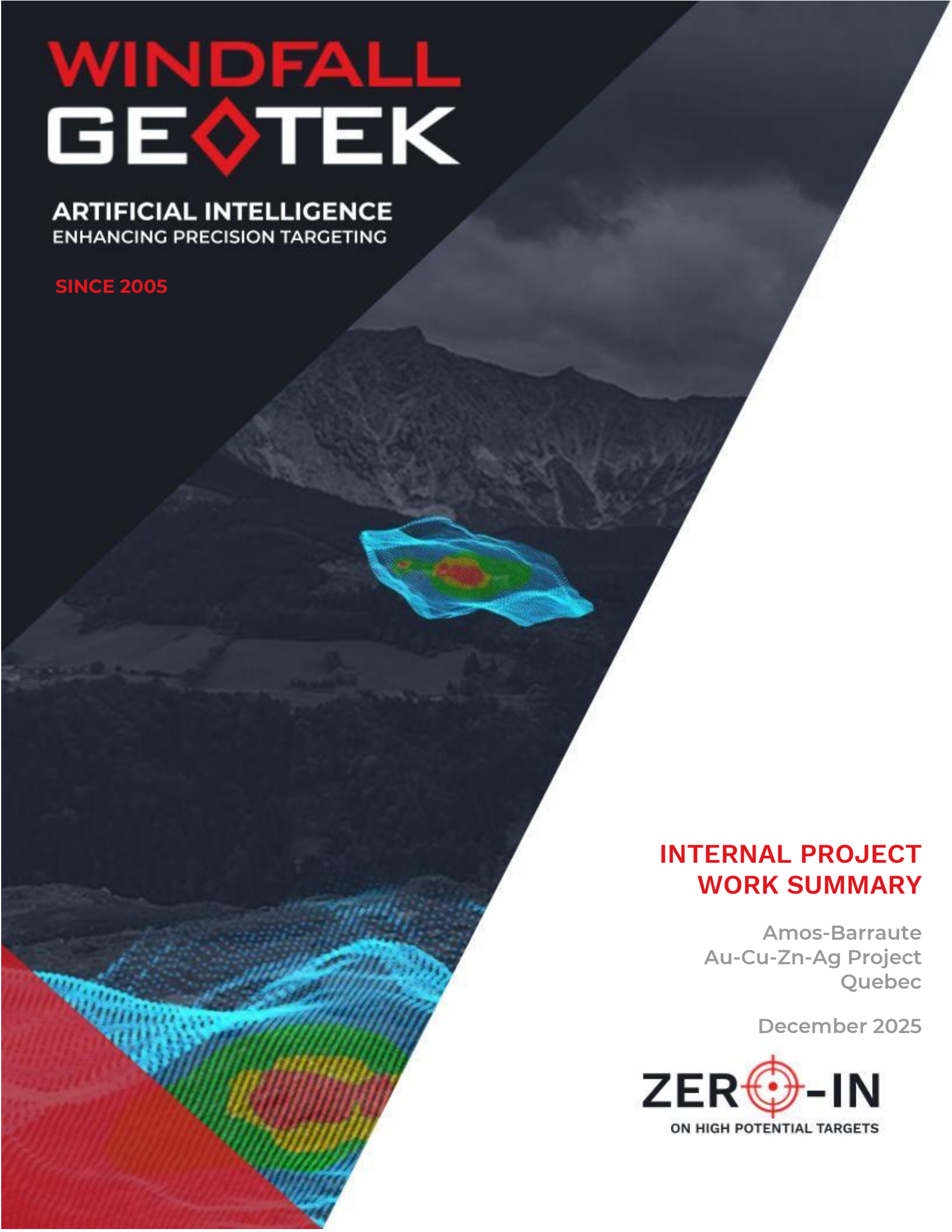
WINDFALL GEOTEK

ARTIFICIAL INTELLIGENCE
ENHANCING PRECISION TARGETING

SINCE 2005



INTERNAL PROJECT WORK SUMMARY

Amos-Barraute
Au-Cu-Zn-Ag Project
Quebec

December 2025

ZERO-IN
ON HIGH POTENTIAL TARGETS

WORK PROPOSAL SUMMARY

WINDFALL GEOTEK proposes to use its proprietary AI System to develop gold, copper, zinc and silver exploration targets over Amos-Barraute Internal Project area located in the southern part of the Abitibi Subprovince, 60 km North the mining community of Val-d'Or, Quebec (Figure 1).

Geological Context

"The geology of the Amos-Barraute Internal Project area consists of Neoarchean units such as 1) mafic to felsic volcanic lithologies (Landrienne and Deguisier formations, and Figuery, Amos, Lac Arthur and La Morandière groups); and 2) intrusive rocks (Laflamme Pluton and various other intermediate to felsic intrusions)." (*from Pilote & Marleau, BG 2020-06, Sigeom, MRN, Quebec*)

"This area is affected by a series of ESE-WNW oriented synclinal and anticlinal folds, all overturned southward. Together, these folds represent the northern part of the Manneville Thrust Zone (Daigneault *et al.*, 2002; Pilote *et al.*, 2017, 2018), which continues northward to sedimentary rocks of the Chicobi Group. This thrust zone overlies the La Corne Batholith on the south side and extends west and east over several tens of kilometres (Pilote *et al.*, 2009, 2017, 2018). It is bordered and cut by several E-W to ESE-WNW oriented longitudinal faults that dip moderately to steeply northward (Abcourt, Lyndhurst, Beauchamp, Lapaix and Champneuf faults). These faults, some of which could be associated with the development of the "Destor-Porcupine Fault Zone" (Daigneault *et al.*, 2002; Legault *et al.*, 2005; Pilote *et al.*, 2009, 2017, 2018), converge towards the east and are ultimately cut by or imbricate with the Castagnier Fault. Some of these faults, or particular segments thereof, may have been reactivated during regional deformation and are associated with orogenic-type gold mineralization." (*from Pilote & Marleau, BG 2020-06, Sigeom, MRN, Quebec*).

"The Amos-Barraute area comprises 11 prospective zones and four types of mineralization:

- Gold mineralization associated with orogenic-type veins hosted in shear zones;
- Massive sulphide mineralization of common metals associated with volcanic rocks;
- Cu-Au-Mo mineralization associated with alkaline porphyry intrusions;
- Gold mineralization associated with porphyry intrusions."

(*from Pilote & Marleau, BG 2020-06, Sigeom, MRN, Quebec*)

The table of mineralized zones below presents the compilation and analytical results for the 21 metallic mineralized zones identified in the Amos-Barraute area." (*from Pilote & Marleau, BG 2020-06, Sigeom, MRN, Quebec*)

Name	Contents	Known
Gold Mineralization Associated with Orogenic-Type Veins Hosted in Shear Zones		
Bar-Le-Duc	11 660 ppb Au over 0.2 m (D); 3,5 ppm Ag (G)	
Barraute VII-56	22 282 ppb Au (G); 8991 ppm Mo (G)	
Bartec	Reserves were estimated at 113 400 t possible grading 7.9 g/t Au; 6.86 ppm Ag over 0.2 m (D)	
Jackson	553 279.2 ppb Au over 0.8 m (D)	
Laflamme Sud	5970 ppb Au over 0.3 m (D); 23 800 ppm Cu over 0.2 m (D)	
Malbar/Gros Louis	3770 ppb Au over 0.9 m (D)	
Manville	7200 ppb Au over 1.5 m (D); 1.4 ppm Ag over 1.5 m (D)	
Matico	1317.2 ppb Au over 1.8 m (D); 39.08 ppm Ag over 1.8 m (D); 2000 ppm Mo over 0.6 m (D); 1500 ppm Cu over 0.5 m (D)	
Gold Mineralization Associated with Porphyry Intrusions		
Swanson	Reserves were estimated at 905 332 t in proven, probable and possible categories averaging 3.0 g/t Au. Proven reserves are 78 516 t at 2.1 g/t Au and probable reserves are 663 508 t at 3.1 g/t; 89 100 ppb Au over 1.5 m (D); 158.7 ppm Ag over 1.5 m (D); 4000 ppm Zn over 1.5 m (D); 7700 ppm Cr over 1.5 m (D).	
Massive Sulphide Mineralization of Common Metals Associated with Volcanic Rocks (VMS)		
Abcourt (Frebert)	Reserves were estimated at 2.14 Mt grading 175.88 g/t Ag and 4.01% Zn. These reserves may have been mined during the operation of the Abcourt mine; 98 500 ppm Zn over 1.5 m (D); 718.5 ppm Ag over 0.4 m (D); 2060 ppb Au over 0.9 m (D); 7300 ppm Pb over 1.5 m (D); 4000 ppm Cu over 1.5 m (D)	
Abcourt (Pershcourt)	Reserves were estimated at 2.72 Mt proven grading 2.50% Zn and 48 g/t Ag. These reserves may have been mined during the operation of the Abcourt mine; 109 800 ppm Zn over 1.5 m (D); 577.96 ppm Ag over 0.9 m (D); 5900 ppm Pb over 0.6 m (D); 342.8 ppb Au over 0.9 m (D)	
Bar-Manitou	60 000 ppm Zn over 0.9 m (D); 465 ppm Ag over 1.2 m (D); 22 000 ppm Pb over 1.2 m (D)	
Barraute Zinc	7870 ppm Zn over 1.5 m (D); 837 ppm Pb over 1.5 m (D)	
Damascus	13 200 ppm Cu over 0.4 m (D); 59.3 ppm Ag over 0.4 m (D); 17 500 ppm Pb over 0.5 m (D)	
Frebert Extension Ouest	21 000 ppm Zn over 0.8 m (D); 44.56 ppm Ag over 1.5 m (D)	
Mine Barvue (Abcourt)	According to NI 43-101 "Mineral Resources Report for the Abcourt-Barvue Property, Feb. 28th 2014": total measured and indicate resources (total M+I) are estimated at 8 085 998 t at 55.38 g/t Ag and 3.06% Zn. DV-91-01, page 43: reserves were estimated at 720 402 t grading 3.77 % Zn and 258 g/t Ag (1990-07-01); 150 000 ppm Zn over 1.2 m (D); 258 ppm Ag over 2.9 m (D); 6000 ppm Pb over 1.5 m (D)	
Nealon-1	53 000 ppm Zn over 1.5 m (D); 12 500 ppm Cu over 6.1 m (D); 65.15 ppm Ag over 6.1 m (D)	
Norzone-1	11 400 ppm Cu over 0.2 m (D); 2056,8 ppb Au over 0.4 m (D); 34.97 ppm Ag over 0.6 m (D); 3100 ppm Zn over 0.2 m (D)	
Soma 11-430	18 000 ppm Zn over 1.5 m (D); 1900 ppm Cu over 1.5 m (D)	
Silver-Lead-Zinc Seam		
Filion Nord	51.08 ppm Ag over 1.5 m (D); 2500 ppm Zn over 1.5 m (D); 1000 ppm Pb over 1.5 m (D)	
Frebert-FS 20	9.6 ppm Ag over 1.5 m (D); 3500 ppm Zn over 1.5 m (D); 342.8 ppb Au over 1.5 m (D); 1500 ppm Pb over 1.5 m (D)	

Available Data

Public Databases:

- 2009 MEGATEM II Aerial Electromagnetic Survey data, Amos area, at 50m resolution (DP 2008-41, Sigeom, MRN, Québec), (Figures 2 & 3)
- SRTM (topography) data at 30m resolution (Earth Explorer, USA Geological Survey, USGS), (Figure 4)
- 4 650 drillholes data from Sigeom Database (MRN, Quebec), containing assays for Au, Cu, Zn and Ag (Figure 5)
- 5 915 rock samples data from Sigeom Database (MRN, Quebec), containing assays for Au, Cu, Zn and Ag (Figure 5)

Proposed AI Model

MODEL: Amos-Barraute Megatem II (Mag+EM) – SRTM

Project Area: 1 622.30 sq/km

Model Resolution: 50 m

Total Variables: 340

Total Data Points: 649 154

Elements to identify: Four distinct signatures will be created:

1. Au (threshold Au ≥ 0.2 ppm
2. Cu (threshold Cu ≥ 1500 ppm)
3. Zn (threshold Zn ≥ 2000 ppm)
4. Ag (threshold Ag ≥ 20 ppm)

Proposed Work

Step 1: Data Verification

- Review of all the geophysical, drillhole assays 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, electromagnetic and topography data
- Data prep. for primary magnetic and topography, derivative and neighbouring variables
- Compilation of variables dataset
- Compilation of training dataset using drillhole and surface samples assays data

Step 3: Target Generation

- Use AI Proprietary method to perform high similarity gold, copper, zinc and silver exploration targets

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

Respectfully submitted

Grigor Heba, Principal Geologist, P.Geo., Ph.D.

Figure 1: Amos-Barraute Internal Project Location

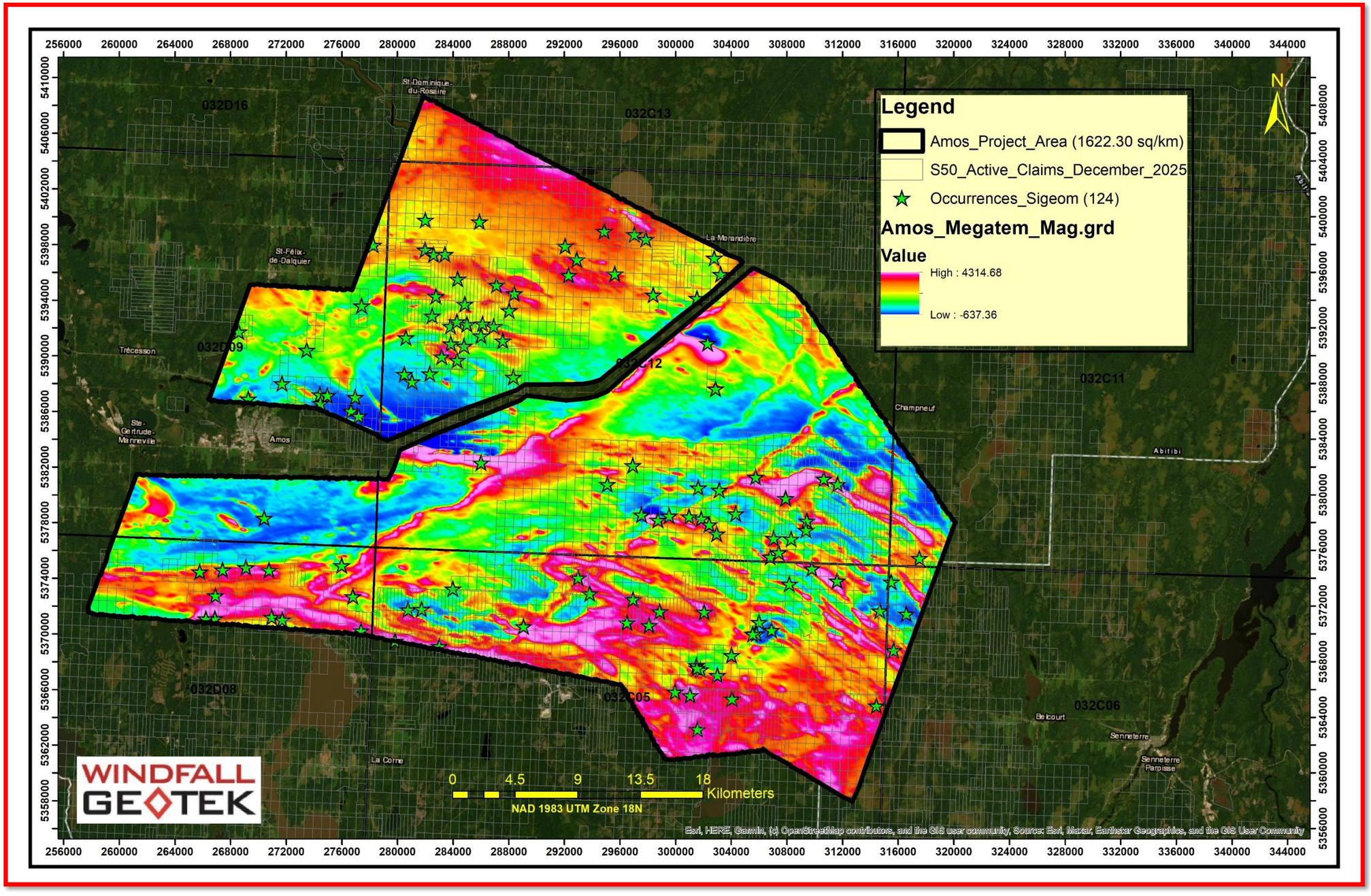


Figure 2: Magnetic data from 2009 MEGATEM II at 50m resolution, Amos area, DP 2008-41 (Sigeom, MRN, Quebec)

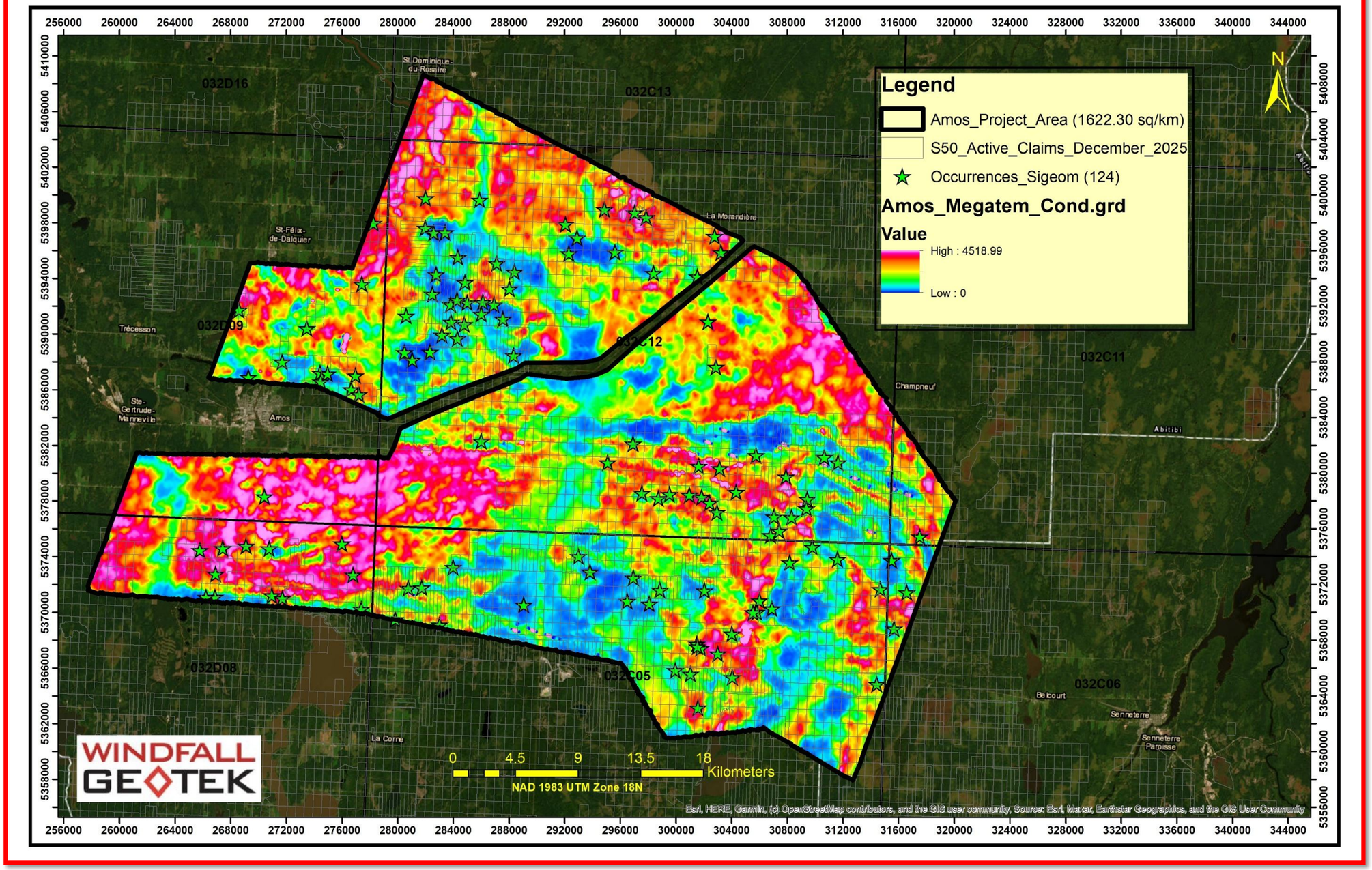


Figure 3: Electromagnetic data from 2009 MEGATEM II at 50m resolution, Amos area, DP 2008-41 (Sigeom, MRN, Quebec)

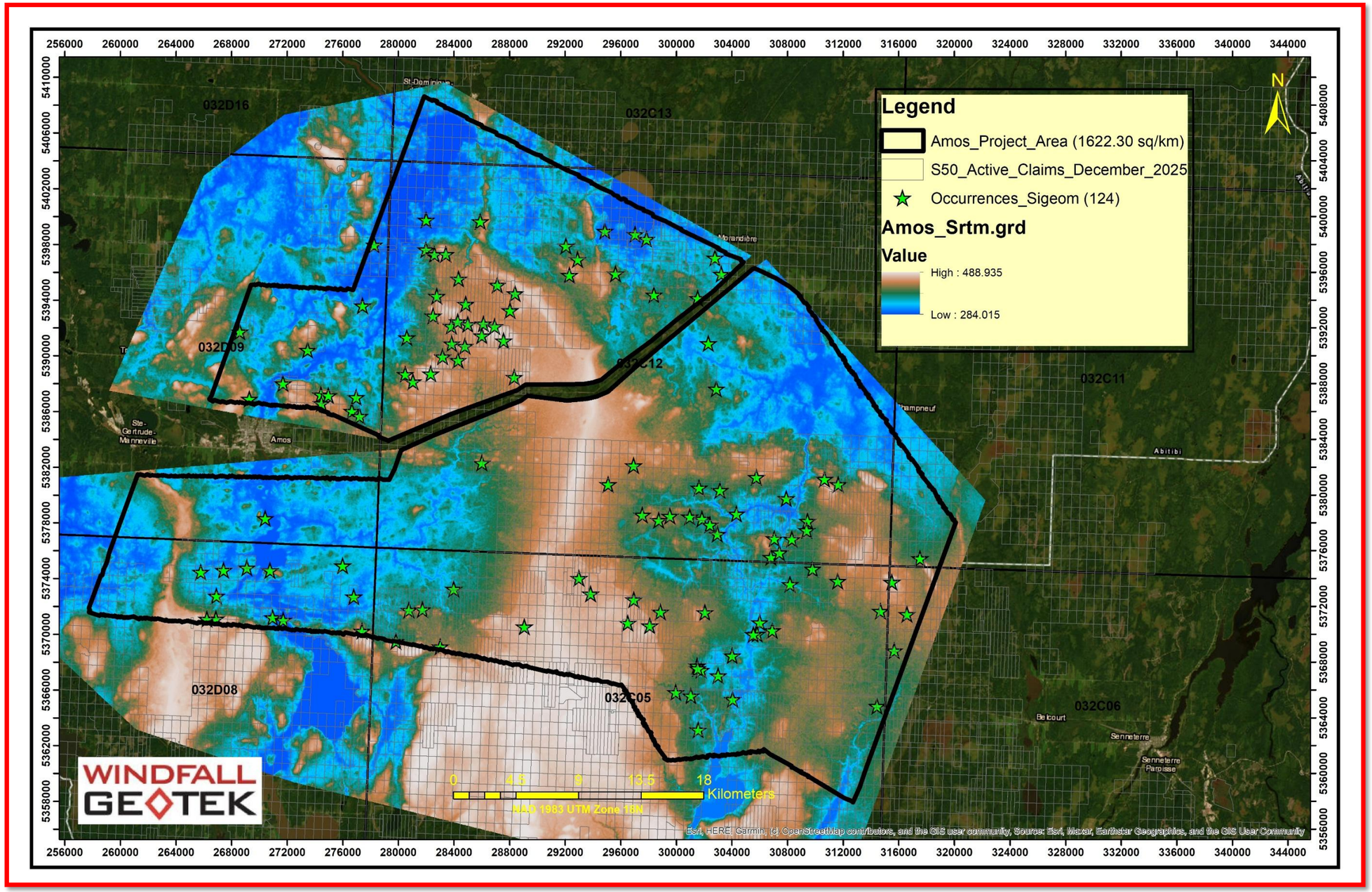


Figure 4: SRTM (Topography) data at 30m resolution (Earth Explorer, USA Geological Survey – USGS)

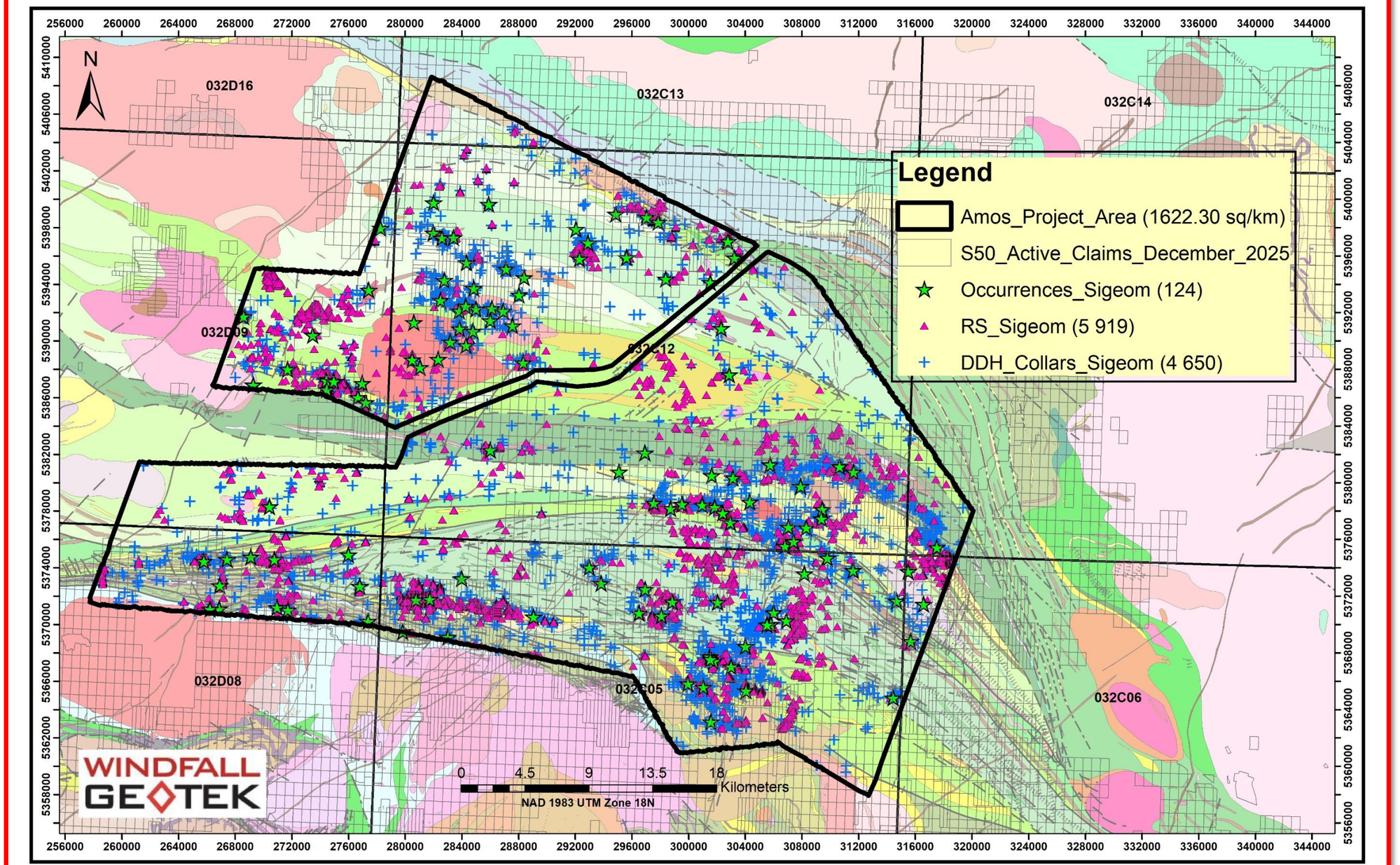


Figure 5: Distribution Drillhole Collars and Rock Samples data (Sigeom, MRN, Quebec)