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ASSESSMENT REPORT  
ON A 2022 MAPPING AND GRAB  
SAMPLING PROGRAM ON THE HEWITT  
PROPERTY,  
BEATTY TOWNSHIP, ONTARIO  
FOR  
CANADIAN ROYALTIES INC.

Prepared by:

Shuda Zhou, M.Sc., P.Geol.

Dec. 11<sup>th</sup>, 2022

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## 1 Summary

As contracted by Canadian Royalties Inc, this report is prepared and submitted by Shuda Zhou, a registered professional geoscientist from BAW Resources Limited. This report summarizes a 3-day of field mapping and grab sampling program on the Hewitt Property.

In the fall of 2022, BAW Resources Limited personnel conducted mapping and grab sampling for the Hewitt Property. (19) outcrops were mapped, and seventeen (17) grab samples were collected and sent to the ALS Geochemistry Lab in Timmins, Ontario. All identified outcrops were documented by accurate GPS location, high-resolution photos, and geological descriptions. All spatial data contained in this report reflect a Universal Trans Mercator coordinate system using North American Datum 1983 Zone 17. Field coordinates were measured using a handheld Garmin GPS unit.

The mapping and grab sampling program aimed to 1) ground truth the Pipestone fault, which is a potential structural corridor connecting the Hewitt property to the Maude Lake deposit to the northwest; 2) ground truth the chargeability and magnetic anomalies from geophysical surveys conducted in 1997 and 2010; 3) verify mineralization in the north of the property, which is in adjacent with the Lucky Ben Mine.

In summary, there is significant potential for gold mineralization in the north part of the Hewitt Property based on the mapping and sampling program. The combination of strong sulfide mineralization, moderate to strong shearing, and quartz veining is a good indicator to find further gold in this area.

## 2 Location, Access, and Ownership

The Hewitt Property is in the Beatty Township and is about 10 km northeast of town of Matheson (Figure.1). The property area is accessible via Highway 11 and 101. The central property area has great access via a local gravel road. The Hewitt Property consists of seventeen (14) contiguous mining claims and is located within the Beatty Township, under the Larder Lake Mining Division, Northern Ontario (Figure.2). All the claims are 50% owned by Canadian Royalties Inc and 50% owned by Thomas John Obradovich (Table.1). Canadian Royalties Inc. is the operator of the property.

*Table 1 Tenure List for the Hewitt Property*

Claim Number	ISSUE_DATE	CLAIM_DUE	HOLDER
109890	2018-04-10	2023-05-18	(50) THOMAS JOHN OBRADOVICH, (50) CANADIAN ROYALTIES INC.
109891	2018-04-10	2023-05-18	(50) THOMAS JOHN OBRADOVICH, (50) CANADIAN ROYALTIES INC.
144338	2018-04-10	2023-05-18	(50) THOMAS JOHN OBRADOVICH, (50) CANADIAN ROYALTIES INC.
158463	2018-04-10	2023-05-18	(50) THOMAS JOHN OBRADOVICH, (50) CANADIAN ROYALTIES INC.
158464	2018-04-10	2023-05-18	(50) THOMAS JOHN OBRADOVICH, (50) CANADIAN ROYALTIES INC.
184330	2018-04-10	2023-06-05	(50) THOMAS JOHN OBRADOVICH, (50) CANADIAN ROYALTIES INC.
239079	2018-04-10	2023-05-18	(50) THOMAS JOHN OBRADOVICH, (50) CANADIAN ROYALTIES INC.
243575	2018-04-10	2023-06-05	(50) THOMAS JOHN OBRADOVICH, (50) CANADIAN ROYALTIES INC.
247161	2018-04-10	2023-05-18	(50) THOMAS JOHN OBRADOVICH, (50) CANADIAN ROYALTIES INC.
247162	2018-04-10	2023-05-18	(50) THOMAS JOHN OBRADOVICH, (50) CANADIAN ROYALTIES INC.
263139	2018-04-10	2023-06-05	(50) THOMAS JOHN OBRADOVICH, (50) CANADIAN ROYALTIES INC.
299664	2018-04-10	2023-06-05	(50) THOMAS JOHN OBRADOVICH, (50) CANADIAN ROYALTIES INC.
306363	2018-04-10	2023-05-18	(50) THOMAS JOHN OBRADOVICH, (50) CANADIAN ROYALTIES INC.
313673	2018-04-10	2023-05-18	(50) THOMAS JOHN OBRADOVICH, (50) CANADIAN ROYALTIES INC.

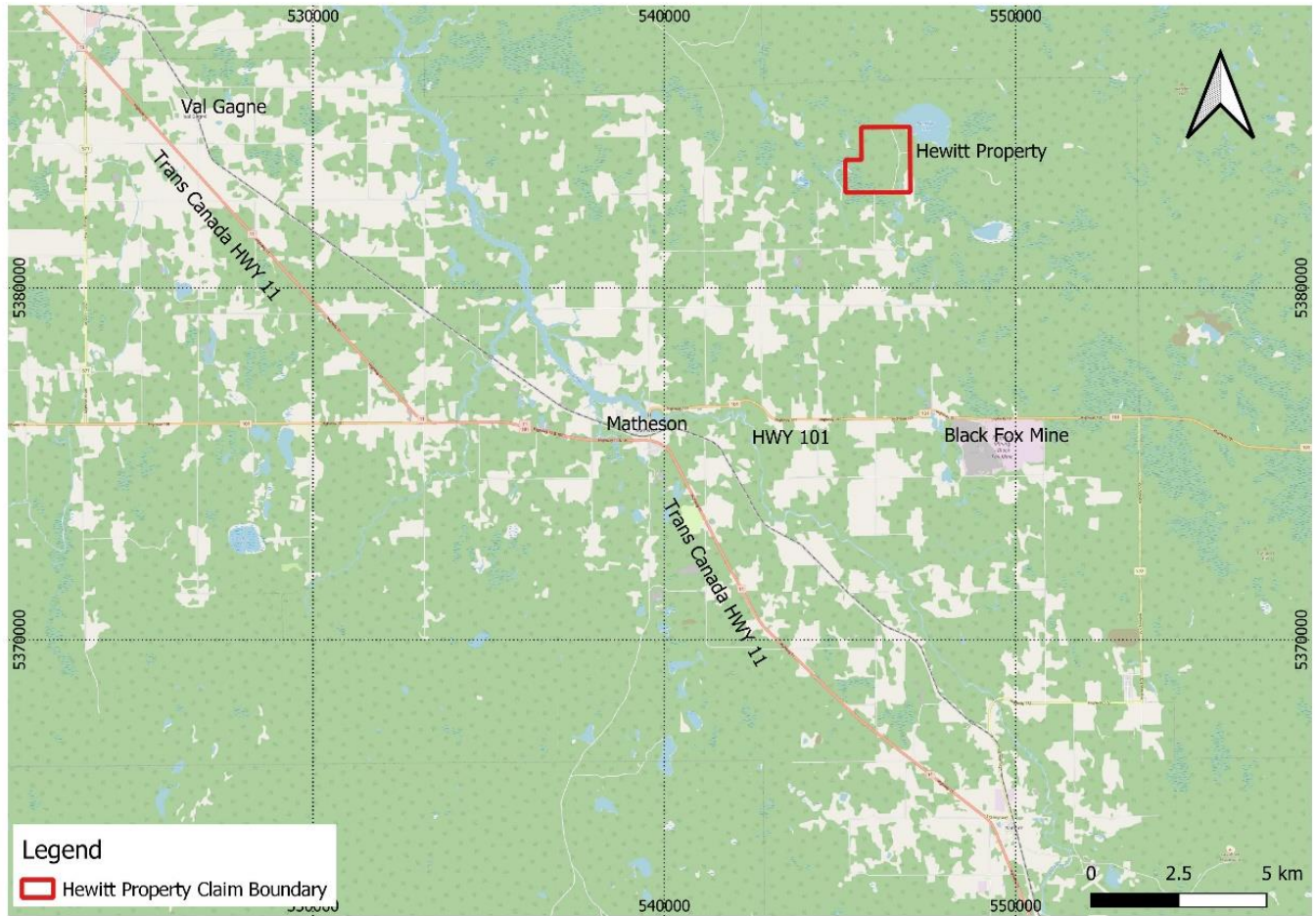


Figure 1 Location and access of the Hewitt Property.

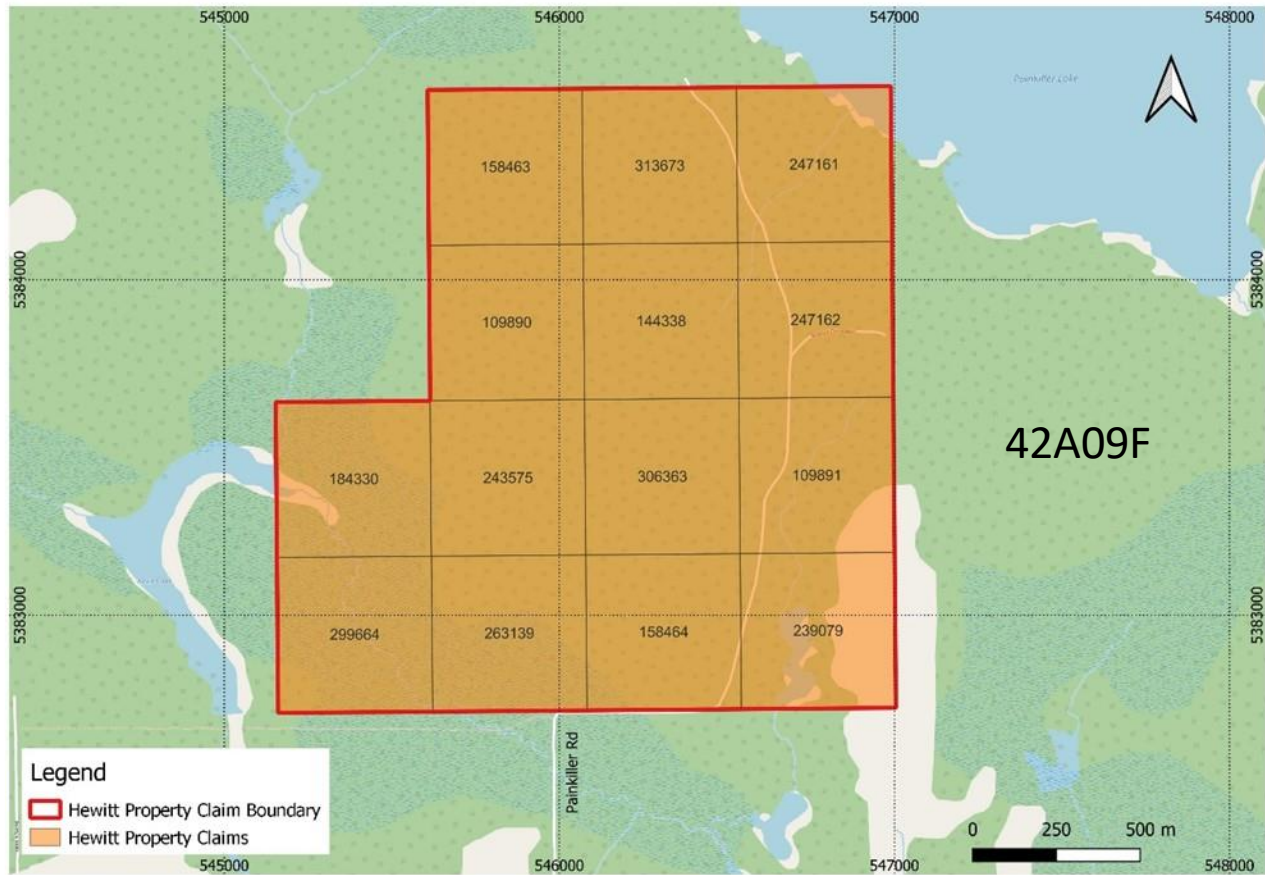


Figure 2 Access to the Hewitt Property with land tenure labeled. The Property is located within Provincial Grid Group 42A09F.

### 3 Property History and Previous Work

*Table 2 Historical work summary on the Hewitt Property.*

<b>Year</b>	<b>Work</b>
<b>1907</b>	Prospecting found the first gold
<b>1918</b>	Fieldwork following pit and shaft sunk
<b>1923</b>	Trenching and Sampling
<b>1952-1956</b>	Diamond drilling
<b>1962-1963</b>	Deepened shaft and Diamond drilling
<b>1972-1973</b>	Magnetometer, Electromagnetic, and Reconnaissance geological survey
<b>1975</b>	Dewatered shaft and completed 2 drifts at bottom
<b>1980-1982</b>	VLF EM survey, line-cutting, a magnetometer survey, and diamond drilling
<b>1982-1985</b>	Pit, Trench, VLF, and magnetometer survey
<b>1997</b>	Ground geophysical (Mag, Maxmin, IP) and diamond drilling
<b>2010</b>	IP and Magnetic survey

**1907-1918:** The early prospecting work found the first gold hosted in mineralized quartz veins. Constructed a 6x4 m pit and a 10m deep shaft.

**1923:** Lucky Ben Gold Mines Ltd. carried out trenching and sampling. No records of results are available.

**1952-1956:** Omum Copper Mines drilled 12 holes with a total of 352 meters.

**1962-1963:** The shaft was dewatered and deepened to 40 feet. Two additional diamond drill holes to the north of the shaft.

**1972-1973:** Noranda Mines Ltd ran magnetometer, electromagnetic, and reconnaissance geological surveys over the property. Two diamond drill holes totaling 323.39 meters were drilled to test two of the electromagnetic anomalies.

**1975:** Lynco Mining Development Inc dewatered the shaft and completed two short drifts at the bottom of the shaft.

**1980-1982:** As recommended by C.W. Archibald P.Eng., line-cutting, a VLF electromagnetic survey, and a



proton magnetometer survey was carried out during the spring of 1980. Five diamond drill holes with a total of 398m were drilled through geophysical anomalies. An additional VLF survey was conducted in 1982.

**1982-1985:** D. Lalonde excavated a series of pits and trenches. Meanwhile, a series of plugger holes and VLF and magnetometer survey identified the Hewitt Vein.

**1997:** As recommended by Charlton, geophysical surveys (Mag, Maxmin, IP) and 322m diamond drilling were conducted.

**2010:** Canadian Royalties did IP and magnetic survey again. Strong disseminated mineralization was identified in the uplifted area.

## 4 Geology Setting

### 4.1 Regional Geology

Regionally, the Matheson area is underlain by Porcupine Group sediments sandwiched by felsic to mafic volcanic of the Tisdale group to the south and ultramafic to the felsic volcanic sequence of the Kidd-Munro Group to the north (Figure.3). Major fault/shear zones crosscut the area are the Destor-Porcupine fault and Pipestone fault. Gold deposits in this area tend to be controlled by E-W trending major structures. Historical gold deposits nearby are Lucky Ben Mine, Blue Quartz Mine, and Maude Lake Deposit.

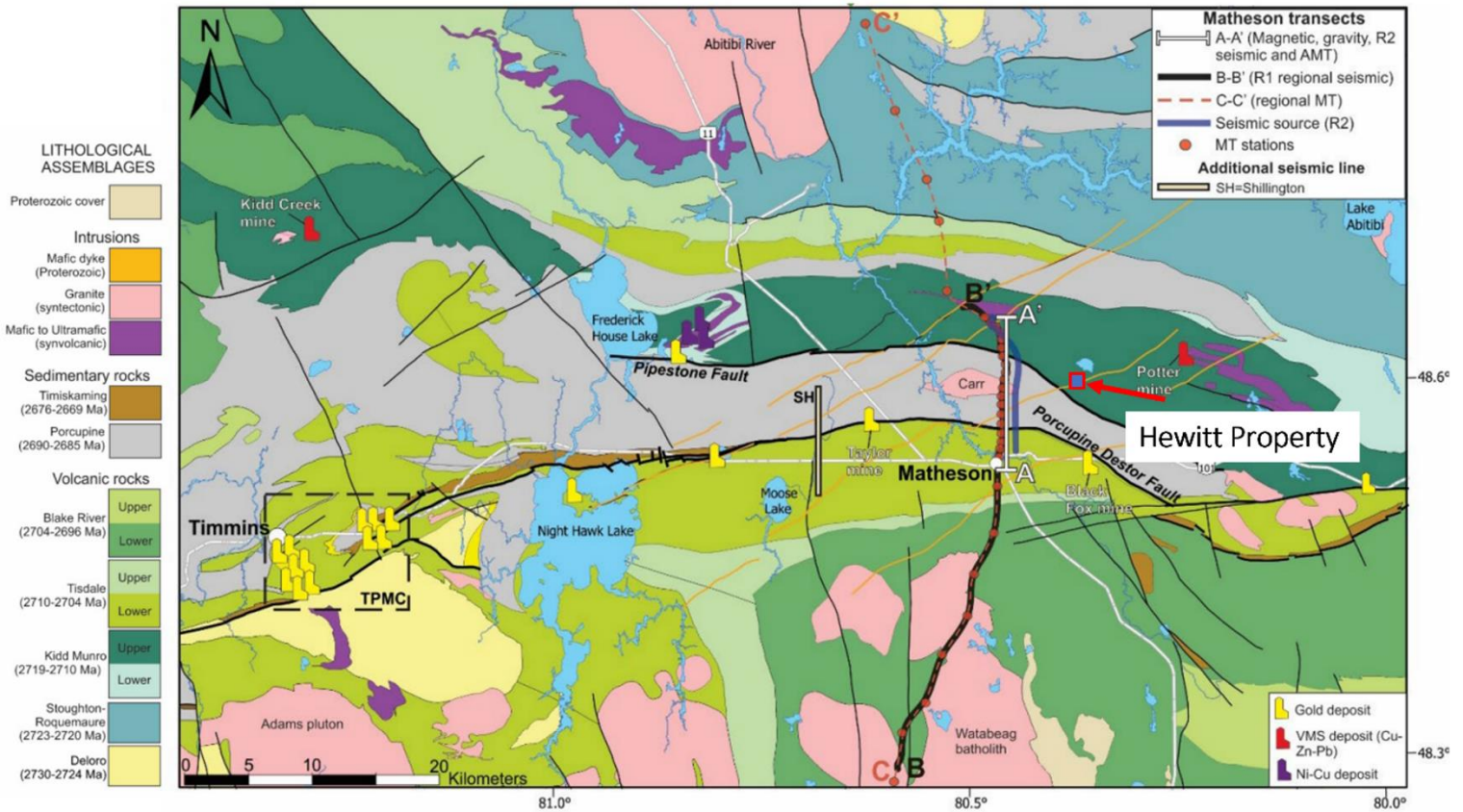


Figure 3 Regional geology map for the Matheson area. The Hewitt Property is labeled as the red box (Haugaard, 2021).

## 4.2 Local geology

**Lithology:** The Hewitt Property is 10 km northwest of the town of Matheson and is mainly underlain by basalt of the Kidd Munro group. Coarse-grained gabbro was locally identified within Pipestone Fault Zone. A diabase dyke was interpreted to crosscut the southern part of the property.

**Structure:** The Pipestone Fault is the major structure pass through the volcanic rocks with a strike of 120-300°. Major foliations in Hewitt property are defined by stretched pillows or breccias and parallel with the orientation of the major fault zone.

**Mineralization and gold occurrence:** Sulfide mineralization in the Hewitt Property is characterized by pyrite, chalcopyrite, and pyrrhotite. Three significant historical gold occurrences are close to the property area. Maude Lake deposit to the west holding 813,400 tons of ore-bearing materials at 0.24 oz/ton of gold. The deposit maybe extend to the Hewitt Property along the Pipestone Fault Zone. Blue Quartz Mine

is one kilometer to the east of Hewitt property, which has been exploited from 1921 to 1928. The Lucky Ben Mine is right on the northern boundary of the Hewitt property.

## 5 Work Program

### 5.1 Purpose and Work

The purpose of this field program is to 1) ground truth the Pipestone Fault zone, which is a potential structural corridor connecting the Maude Lake deposit from the northwest with the Hewitt Property; 2) ground truth the chargeability and magnetic anomalies from the geophysical surveys conducted in 1997 and 2010 (Figure.4); 3) verify mineralization in the north, which is in adjacent with the Lucky Ben Mine.

The data compilation and interpretation program were completed by BAW Resources Limited personnel Shuda Zhou in August 2022. The Hewitt geology data received from Canadian Royalties Inc. was organized and reviewed. In addition, historical geophysics, geochemistry, diamond drilling, and prospecting reports about the property were compiled from OGSEarth. A total of 5 useful maps were selected from the assessment reports and were georeferenced using QGIS. Based on the georeferenced maps and historical geological information, there is a limited number of mineral occurrences within the property. However, gold showing close to the property may extend into Hewitt via potential structure corridors. The chargeability and magnetic anomalies are potential for mineralization which need to be verified in the field.

The field mapping and sampling program was conducted by BAW Resources Limited personnel Shuda Zhou and Weiqing Zhang from September 15<sup>th</sup> to September 17<sup>th</sup>, 2022

The field crew arrived in the town of Matheson on September 15<sup>th</sup>, 2022. Field mapping and grab sampling program was conducted subsequently (daily work log table 3 is provided below). A total of 19 outcrops were visited with GPS coordinates, rock descriptions, and photos properly documented (Appendix D). A total of 17 samples were collected for assay analyses (Appendix B and C). Based on the fieldwork, an updated geological map was made for the Hewitt Property (Figure 5).

Table 3 Fieldwork daily log.

DAY	DATE	DAILY LOG
1	2022-09-15	Arrived at Matheson. Checking available trail access in the field. Field mapping and sampling.
2	2022-09-16	Groundtruth changeability and magnetic anomalies spots in the field. Field mapping and sampling.
3	2022-09-17	Field mapping and sampling. Wrapped up fieldwork and send samples to the lab.

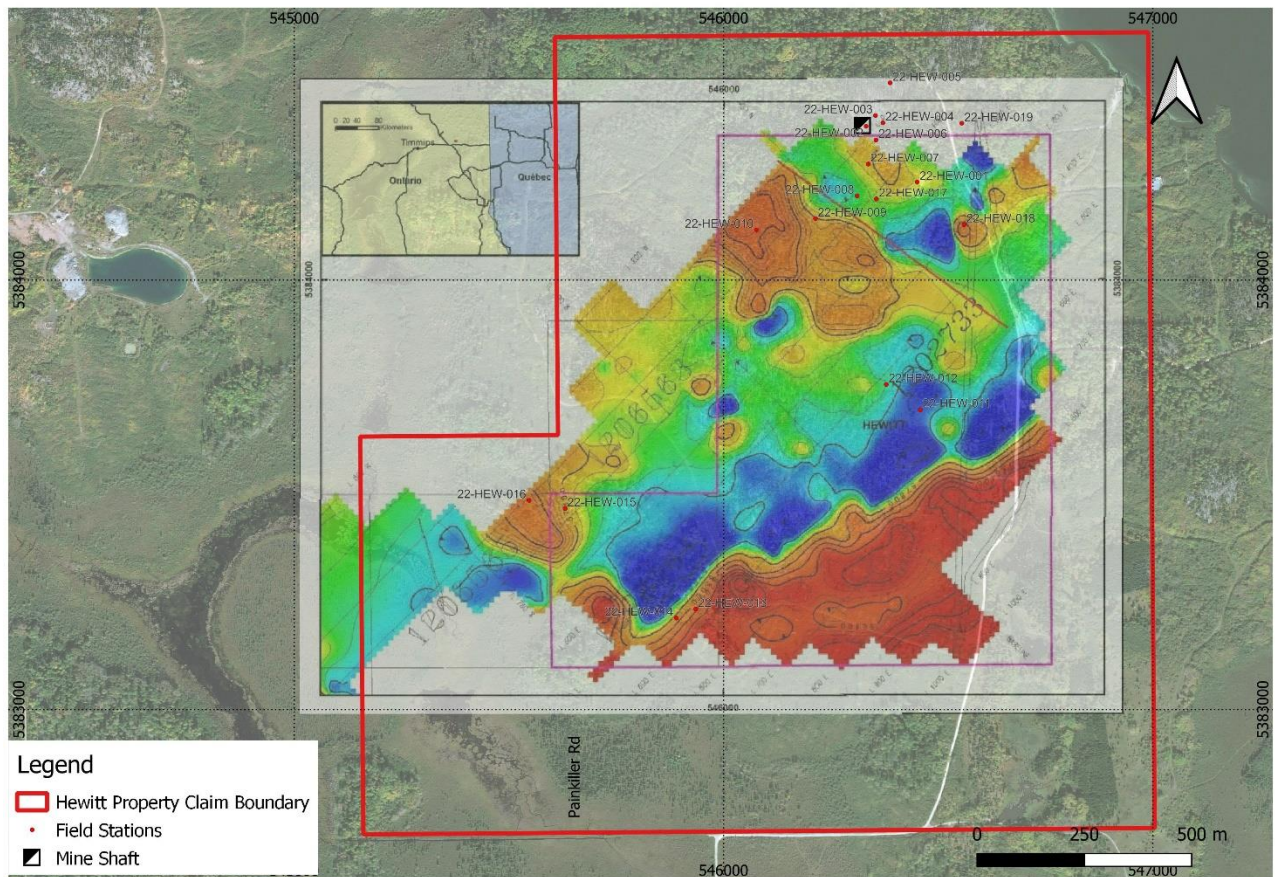


Figure 4 Map of Field station locations. Background map is a magnetic anomalies map from magnetic survey done in 1997.



## 5.2 Geological mapping

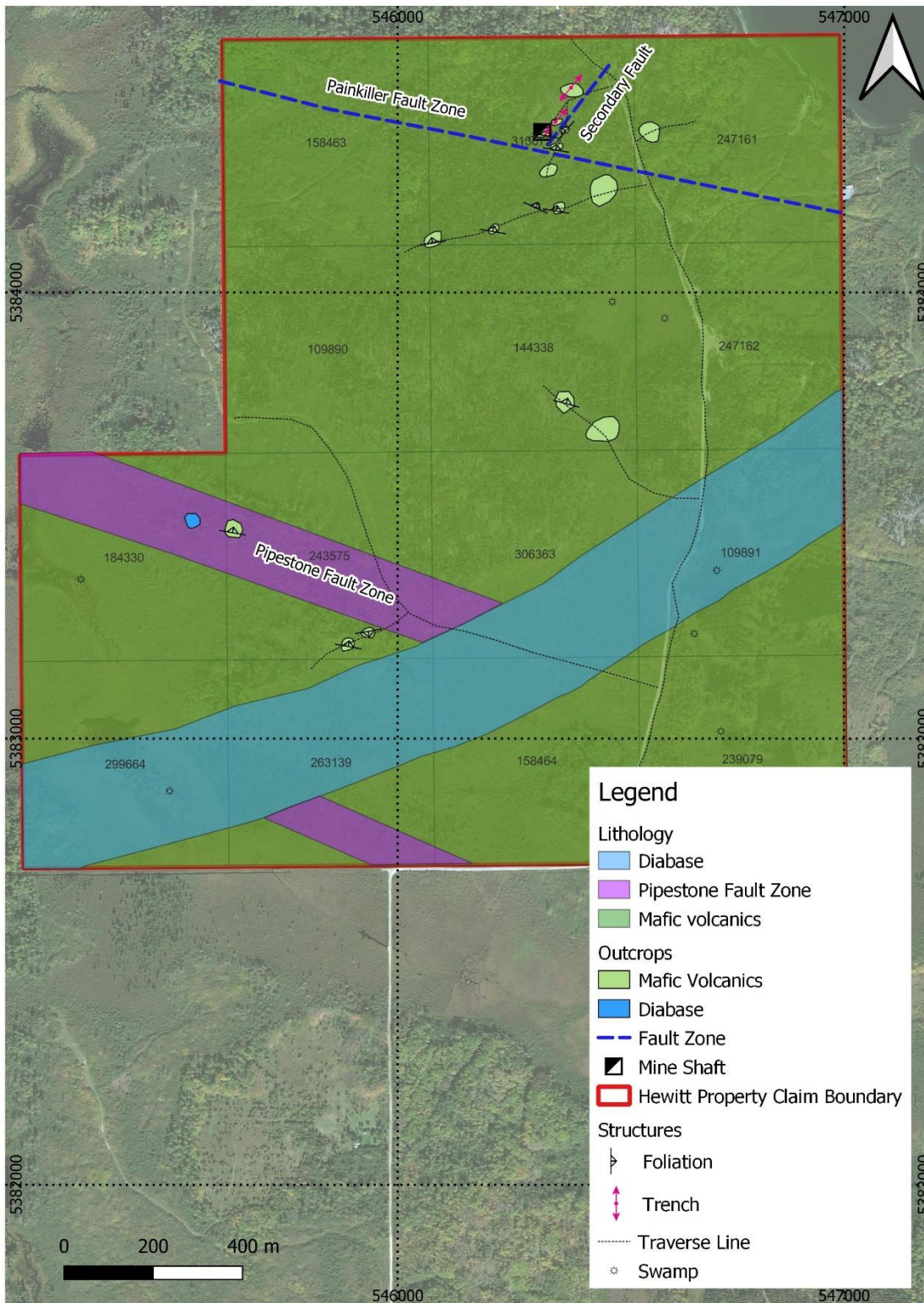


Figure 5 Updated geological map for the Hewitt Property (Modified from Rioux's geology map).



This updated geology map for the Hewitt Property summarizes local lithology, structure, and mineralization (Figure 5).

**Lithology:** Hewitt Property is mainly underlain by fine-grained to medium-grained mafic volcanic rocks. Volcanoclastic rock is identified locally adjacent to local fault zones. Fragments from volcanoclastic rock may be related to local brittle deformation. Diabase with medium-grained is distinct against mafic volcanics without sharp contact.



Figure 6 Outcrop photos in Hewitt Property. a) Mafic volcanic outcrop, b) Mafic volcanic hand sample, c) Volcanoclastic rock, d) Medium-grained diabase.

**Structure:** Structures in the Hewitt Property is characterized by Brittle to Ductile fault/shear zones. There are two major and one minor fault/shear zones in the Hewitt Property (Figure 5). The Pipestone Fault zone is trending NWW and passing through the southern property area. The Painkiller Fault Zone is sub-parallel with the Pipestone Fault zone to the north. A dextral shear sense was identified for the Pipestone Fault (Figure 7B). Another Minor fault zone is striking around  $220^{\circ}$  and intersects with the Painkiller Fault Zone close to Mine Shaft. On average, the near E-W foliations identified within the Hewitt Property in the program which is interpreted as the strike of the Pipestone fault zone in the property, is striking  $280^{\circ}$  and dipping  $80^{\circ}$  (Figure.8a). The intersection lineation between the Painkiller Fault Zone ( $280,85$ ) and another secondary fault (striking  $340^{\circ}$ , dipping  $85^{\circ}$ ) is trend  $70^{\circ}$  and plunge  $80^{\circ}$  (Figure. 8b). Overall, the dominant foliations in the Hewitt Property identified in the program are nearly E-W trending and dip steeply.





Figure 7 Photos of Structures in the Hewitt Property. a) Foliations within a local shear zone, b) S-C fabrics indicating Dextral shear sense, c) Local fault zone, d) Fault breccias, e) Steep-dipping foliations, f) Foliations outcrop on the surface.



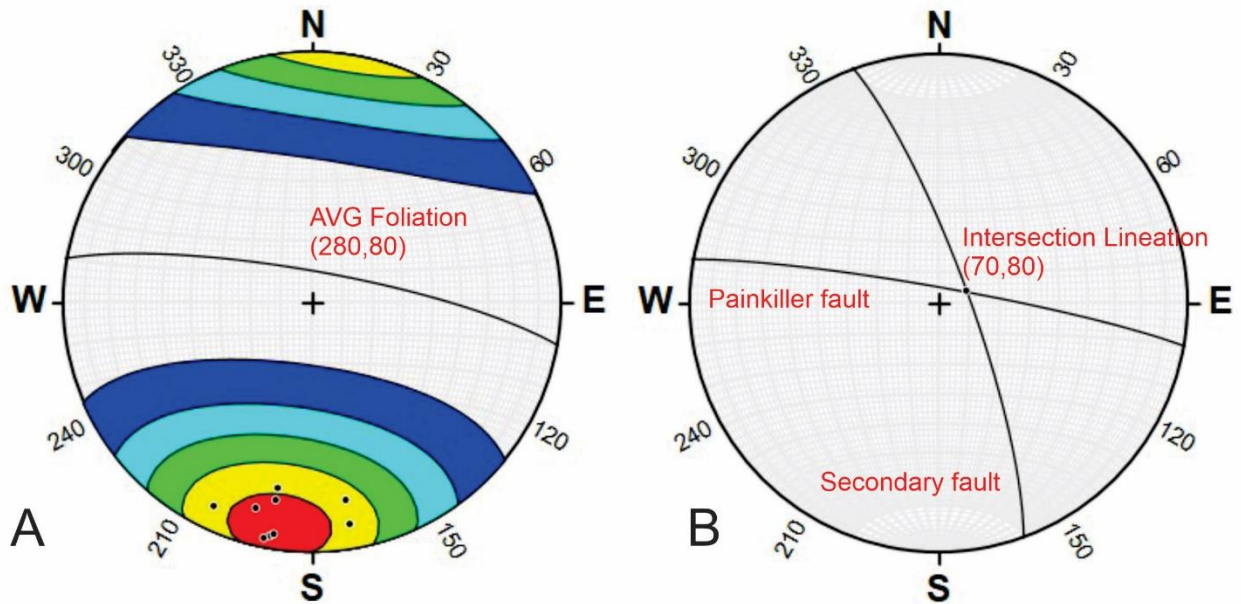


Figure 8 Steronet plots for structure measurements in the Hewitt Property. A) Average orientation of the near E-W trending foliations in the northern part of the property; B) Intersection Lineation between the painkiller fault zone and the secondary fault zone.

**Veining and mineralization:** There are three main veining styles in the Hewitt Property: 1) stockwork quartz veins filling in brittle fractures (Figure.9A); 2) Massive white quartz veins (Figure.9D); 3) Sheared quartz veins following the dominant foliation (Figure. 9C, 9E, and 9F). Sulfide mineralization occurred throughout the property area as blebby pyrite in pillow rims of host rocks; as dissemination along the margin of all types of quartz veins; as semi-massive veinlets (Figure.9B).



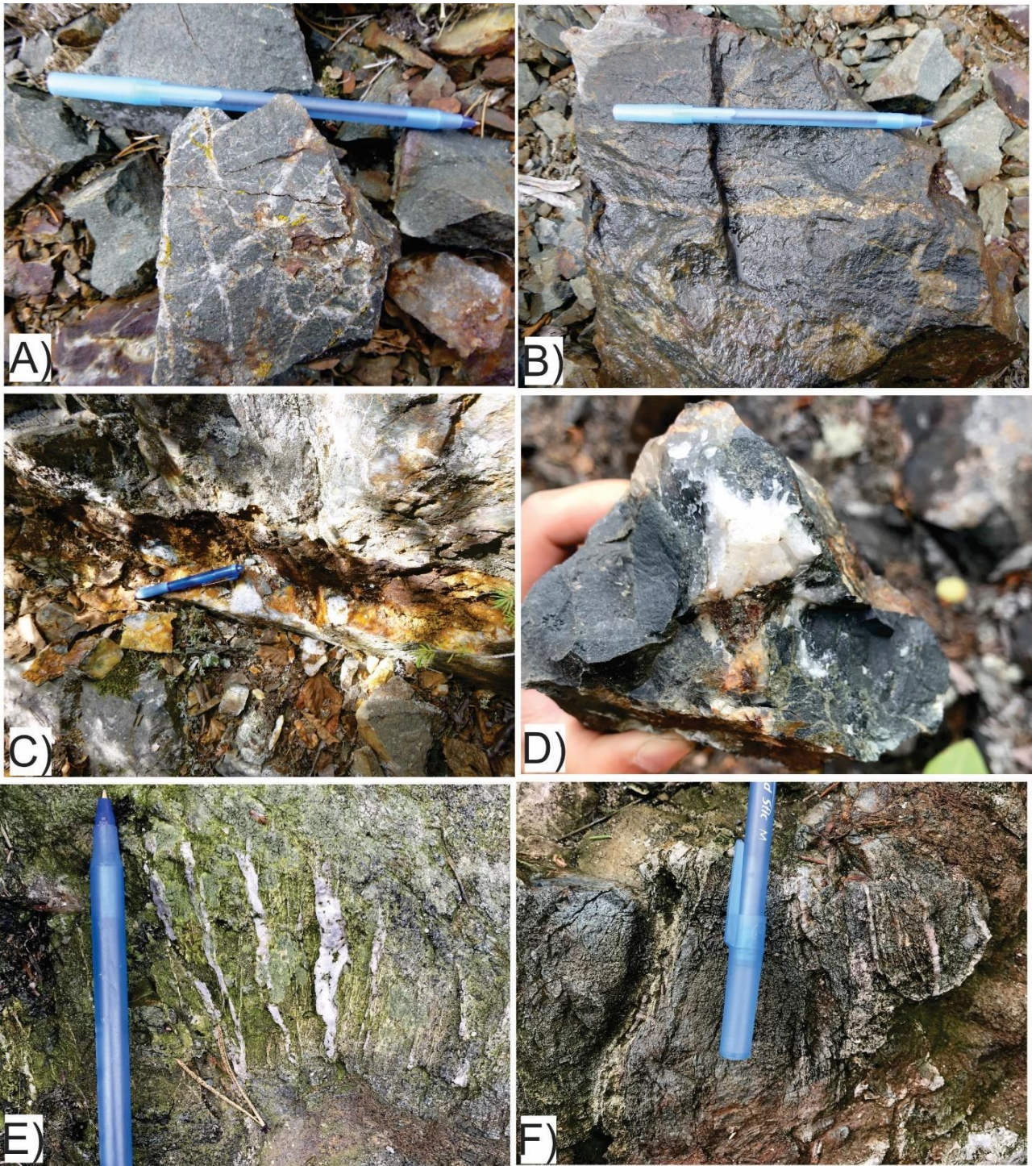


Figure 9 Photos of mineralized quartz veins in the Hewitt Property. a) Stockwork quartz veins in mafic volcanic rock; b) Massive pyrite vein; c) Sheared quartz vein, d) Massive white quartz vein, e) and f) Sheared quartz vein following main foliations.



### 5.3 Sample analysis methodology

BAW Resources Limited has implemented a quality control program to comply with common industry best practices for sampling and lab analysis. Sampling locations are labeled in the map below (Figure.10)

A total of seventeen (17) grab samples were collected in the field with standard materials, blank materials, and duplicate samples inserted every 10 samples (Appendix C). Duplicates were grab samples collected in the same location from the same lithological unit. OREAS reference standard materials (OREAS 234) were used as standards to control analyzes. Grab samples were taken by either a rock hammer or rock chisel in the field with accurate GPS location recorded by a hand-held Garmin GPS unit. Samples were bagged with sample tags inserted into the sample bag and labels marked with marker on the outside. Sample bags were sealed using a plastic zip lock cable tie. Samples were placed in white rice bags for ease of handling to an approximate weight of 30kg (usually five samples per rice bag). The rice bags are labeled with sample number ranges, and each is addressed by the laboratory. Rice bags are sealed using a plastic zip lock cable tie.

The samples were sent to ALS Laboratories in Timmins with seventeen (17) samples analyzed by gold fire assay with AA finish. The samples were dried, crushed, and pulverized in Timmins Lab, then the prepared samples were transferred to ALS Labs location in North Vancouver for geochemistry analysis. ALS Laboratories is a fully accredited laboratory and conform to the requirements of CANP4E (ISO/IEC 17025:2005) and CANP1579 by the Standards Council of Canada. All results have passed QA/QC protocols.

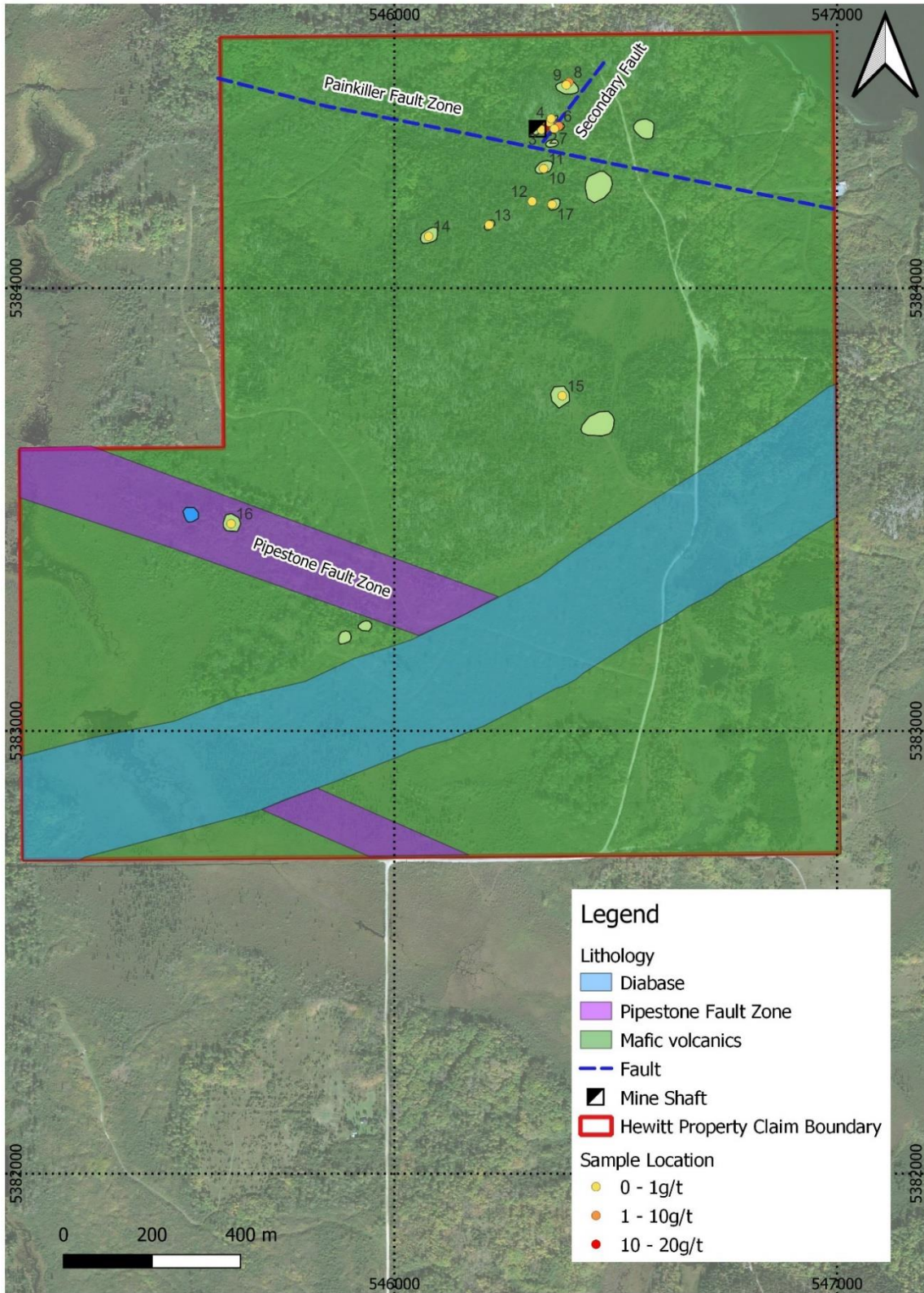


Figure 10 Sample locations in the Hewitt Property. Sample Number labeled is shorted for prefix because of space. For example, E536671 is labeled as 1)

## 6 Interpretation and Conclusions

It is interpreted that the gold mineralization in the Hewitt Property is controlled by fault zones nearby. Four highlight assay samples were identified with Au grade over 2 g/t (Table.4). All high-grade samples are in the north of the Hewitt Property, which is close to the fault intersection between the Painkiller Fault Zone and a secondary fault zone. It is interpreted that the intersection lineation between two fault zones as a potential structural corridor controlling the gold-bearing quartz veins. As all types of quartz veins carry gold, the hydrothermal event is likely to be syn-deformational and contributes to the gold deposit through PFZ.

Moreover, since all high-grade samples fall into a magnetic high area (Figure 4). Other magnetic high anomaly areas in the Hewitt Property are worthwhile to be further explored, for example, the magnetic high area to the southwest of the Painkiller Fault Zone could be a potential mineralized area to explore. However, because the centre part of the Hewitt Property is relatively flat with swamps, it is harder to conduct ground mapping and sampling work. Hence, in-direct exploration methods combined with drilling could help with exploring the central part of the property.

To the south, the Pipestone Fault Zone in the Hewitt Property is weakly-moderately foliated. Based on the 2022 mapping program, most foliations close to the Pipestone Fault zone are nearly E-W striking (Figure 5). No outstanding gold grade from samples near the Pipestone Fault Zone was returned in this program.

*Table 4 Highlight sample with Au grade over 2 g/t.*

Sample ID	Au Assay (g/t)	Mineralization	Structure	Veins	Magnetic
22-Hew-001	4.84	Semi-massive Pyrite	Strong shear zone	Stockwork pyrite vein	High
22-Hew-002	15.7	Disseminated pyrite	Strong shear zone	Stockwork quartz vein	High
22-Hew-006	5.63	Disseminated pyrite	Fault gouge	N/A	High
22-Hew-008	2.51	Disseminated pyrite and pyrrhotite	Fault gouge	White massive quartz vein	High

In conclusion, there is significant potential for gold mineralization in the north part of the Hewitt Property based on the mapping and sampling program. The combination of strong sulfide mineralization, moderate to strong shearing, and quartz veining is a good indicator to find further gold in this area.

## 7 Recommendations

Future exploration work needs to pay attention to the northern part of the property. Specifically, a 1:500 scale detailed geological mapping of the Painkiller Fault Zone (PKZ) is recommended, with a focus on understanding the local kinematics of the Painkiller Fault Zone and the secondary fault zone. A good understanding of the orientation, mineralization, and veining pattern of PKZ is critical for following prospecting and exploration work. In addition, as high-grade assay samples fall into high chargeability and magnetic areas in the north, other chargeability and magnetic anomalies identified in the Hewitt Property are worthwhile for more work. Considering the central part of the property is relatively flat and covered by swamps, in-direct exploration methods (such as soil sampling, more detailed IP survey and VLF Electromagnetic survey) combined with drilling are recommended. Pipestone Fault Zone to the south could host gold as well because it shares a similar structural feature as the PKZ and it hosts the Maude Lake Deposit to the Northwest, further work is recommended to check the mineralized potential for the Pipestone Fault Zone in the Hewitt Property.

## 8 Personnel

Shuda Zhou	Professional Geologist BAW RESOURCES LIMITED.
Weiying Zhang	Geotechnician BAW RESOURCES LIMITED.

## 9 References

Haggard, R. (2021). (rep.). Large-Scale Geology and Fault Geometry of Gold-Endowed Archean Crust: Insight from the Matheson Transect of the Abitibi Greenstone Belt.

Ploeger, C. J. (2010). (rep.). Induced Polarization Survey Over the Hewitt Prospect Beatty Township, Ontario.

Ploeger, C. J. (2010). (rep.). Magnetometer Survey Over the Hewitt Prospect Beatty Township, Ontario.

Rioux, L. (2006). (tech.). Report on a Geological and Prospecting Programme Windsor Property Beatty Township.

## Appendix A Statement of Cost

Work performed in the report was conducted by Shuda Zhou, M.Sc., P.Geo., and Weiqing (Peter) Zhang. Attached is the statement of costs:

Table 5: Statement of costs

Work (days)	Date	Personnel	Work Type	Salary	Truck rental	Flight	Accommodation	Lab	Total Amount (C\$)
1	Sept. 15 <sup>th</sup> , 2022	SZ, WZ	Arrived at the Hewitt Property and start mapping	2400	190		125	0	2715
2	Sept. 16 <sup>th</sup> to Sept. 17 <sup>th</sup> , 2022	SZ, WZ	Mapping and sampling	4800	380	0	250	0	5430
1	Sept. 18 <sup>th</sup> , 2022	SZ, WZ	Travel back to Toronto	2400	0	976	0	0	3376
1	October 21 <sup>st</sup> , 2022	SZ	Receive data from ALS	0	0	0	0	1234	1234
4	December 2 <sup>nd</sup> to 5 <sup>th</sup> , 2022	SZ	Report preparation and writing	6400	0	0	0	0	6400

Total costs = **\$19,155**

\*These costs do not include HST.

SZ – Shuda Zhou, WZ – Weiqing Zhang





ALS Canada Ltd.

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Plus Appendix Pages  
Finalized Date: 20-OCT-2022  
Account: BAWMINC

## Appendix B Assay result

CERTIFICATE TM22266002

\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*

Project: Hewitt

This report is for 17 samples of Rock submitted to our lab in Timmins, ON, Canada on 17-SEP-2022.

The following have access to data associated with this certificate:

SHUDA ZHOU

### ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM
ME-MS61	48 element four acid ICP-MS	
Au-AA23	Au 30g FA-AA finish	AAS

### SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:



ALS Canada Ltd.

2103 Dollarton Hwy

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**CERTIFICATE OF ANALYSIS    TM22266002**

Sample Description	Method Analyte Units LOD	WEI-21	Au-AA23	Au-GRA21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Recvd Wt.	Au	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
		kg	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
		0.02	0.005	0.05	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05
E536671		1.95	4.84													
E536672		2.06	15.7													
E536673		2.32	0.026													
E536674		2.80	0.855													
E536675		2.17	0.010													
E536676		1.26	5.63													
E536677		1.80	0.012													
E536678		1.69	2.51													
E536679		1.98	0.222													
E536680		1.92	0.008													
E536681		1.78	<0.005													
E536682		1.12	<0.005													
E536683		1.26	<0.005													
E536684		1.28	<0.005													
E536685		1.97	<0.005													
E536686		1.40	<0.005													
E536687		1.67	<0.005													
E536688		1.43	<0.005													
E536689		0.04	1.195													



ALS Canada Ltd.  
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CERTIFICATE OF ANALYSIS TM22266002

CERTIFICATE COMMENTS	
	ANALYTICAL COMMENTS
Applies to Method:	REEs may not be totally soluble in this method.ME-MS61
	LABORATORY ADDRESSES
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.Au-AA23 Au-GRA21 ME-MS61
Applies to Method:	Processed at ALS Timmins located at Unit 10 - 2090 Riverside Drive, Timmins, ON, Canada.CRU-31 CRU-QC LOG-23 PUL-31 PUL-QC SPL-21 WEI-21

## Appendix C Sample Location and Description

Sample ID	Lab ID	Easting	Northing	Elevation	Sample Description	Assay (g/t)
22-Hew-001	E536671	546332	5384358	324	Mineralized Mafic Volcanic	4.84
22-Hew-002	E536672	546332	5384358	324	Mineralized Mafic Volcanic	15.7
22-Hew-003	E536673	546332	5384358	324	Mineralized Mafic Volcanic	0.026
22-Hew-004	E536674	546354	5384383	326	Quartz Vein	0.855
22-Hew-005	E536675	546354	5384383	326	Mafic Volcanic	0.01
22-Hew-006	E536676	546371	5384366	325	Fault Gouge	5.63
22-Hew-007	E536677	546371	5384366	325	Fault Gouge	0.012
22-Hew-008	E536678	546388	5384459	321	Mineralized Mafic Volcanic	2.51
22-Hew-009	E536679	546388	5384459	321	Mineralized Mafic Volcanic	0.222
22-Hew-011	E536681	546337	5384270	320	Mineralized Mafic Volcanic	<0.005
22-Hew-012	E536682	546337	5384270	320	Hematite Vein	<0.005
22-Hew-013	E536683	546311	5384196	321	Volcanoclastic	<0.005
22-Hew-014	E536684	546214	5384143	325	Mafic Volcanic	<0.005
22-Hew-015	E536685	546077	5384117	320	Mafic Volcanic	<0.005
22-Hew-016	E536686	546379	5383757	319	Fault Breccia	<0.005
22-Hew-017	E536687	545631	5383468	292	Mafic Volcanic	<0.005
22-Hew-018	E536688	546356	5384189	321	Mafic Volcanic	<0.005

## Appendix D Field Stations Description

<b>Station</b>	<b>Primary Rock Unit</b>	<b>veins</b>	<b>mineralization</b>	<b>Structures</b>	<b>Alteration</b>
22-HEW-001	Mafic Volcanics	N/A	Pyrite	N/A	N/A
22-HEW-002	Mafic Volcanics	Quartz vein	Pyrite	Foliation 280/85	N/A
22-HEW-003	Mafic Volcanics	Quartz vein	Pyrite, Pyrrhotite	Fault 220/85	N/A
22-HEW-004	Mafic Volcanics	N/A	Pyrite, Pyrrhotite	Fault 220/85	N/A
22-HEW-005	Mafic Volcanics	Quartz vein	Pyrite, Pyrrhotite	N/A	N/A
22-HEW-006	Mafic Volcanics	Quartz vein	Pyrite	Foliation 280/85, Joint trending 190	N/A
22-HEW-007	Mafic Volcanics	Hematite vein	N/A	N/A	Hematite alteration
22-HEW-008	Mafic Volcanics	N/A	Pyrite	Foliation 295/80.	N/A
22-HEW-009	Mafic Volcanics	N/A	Pyrite	Intersection of two faults of 280/65 and 340/80	N/A
22-HEW-010	Mafic Volcanics	N/A	N/A	Strong foliation 260/70	Hematite alteration
22-HEW-011	Mafic Volcanics	N/A	N/A	N/A	N/A
22-HEW-012	Mafic Volcanics faulted	N/A	N/A	Fault 285/75	Hematite alteration
22-HEW-013	Mafic Volcanics sheared	N/A	N/A	Moderate foliation 080/80	N/A
22-HEW-014	Mafic Volcanics sheared	N/A	N/A	Moderate foliation 100/65	N/A
22-HEW-015	Mafic Volcanics sheared	N/A	N/A	Strong foliation 280/85	Hematite alteration
22-HEW-016	Gabbro	N/A	N/A	Weakly foliated	N/A
22-HEW-017	Mafic Volcanics faulted	N/A	N/A	Fault 280/70	Hematite alteration
22-HEW-018	Mafic Volcanics	N/A	N/A	N/A	N/A
22-HEW-019	Diabase	N/A	N/A	N/A	N/A