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## **Abstract**

CXS was contracted to perform prospecting on the Powell Property for Ashley Gold Mines Limited. The survey was designed to locate historic trenches and additional outcrops on the property. Outcrops encountered had a representative rock sample taken.

## **ASHLEY GOLD MINES LIMITED**

**Q3065 – Powell Property  
Grass Roots Prospecting Program**

**C Jason Ploeger, P.Geol.  
September 29, 2022**

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## 1.0 SURVEY DETAILS

### 1.1 PROJECT NAME

This project is known as the **Powell Property**.

### 1.2 CLIENT

Ashley Gold Mines Limited

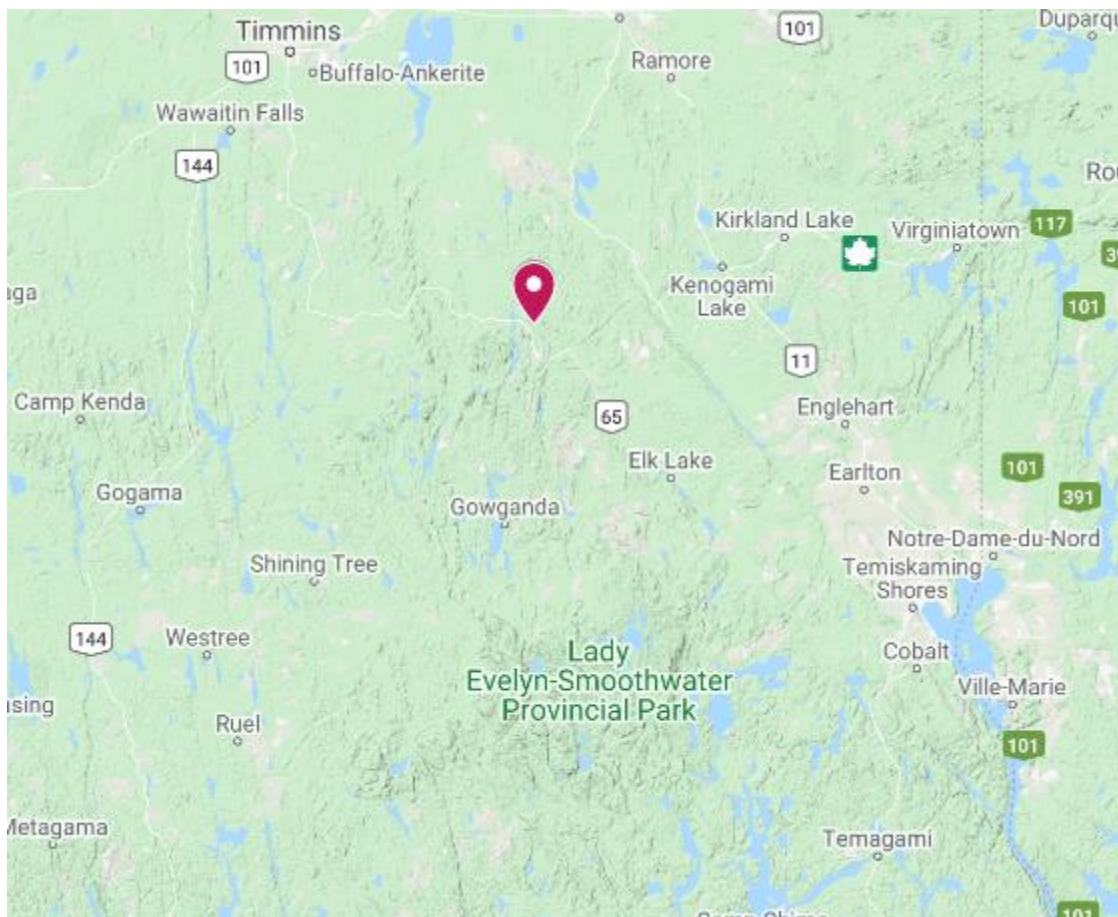
P.O. Box 219

Larder Lake, Ontario

P0K 1L0

### 1.3 LOCATION

The Powell Property is located approximately 7 km northwest of Matachewan, Ontario.



**Figure 1: Location of the Powell Property**

## 1.4 ACCESS

Access to the property was via a 4x4 pickup truck. The crew was based out of Larder Lake, Ontario. Highway 566 was driven northwest for approximately 8km from the town of Matachewan, Ontario. A forestry access road was then travelled northeast for an additional kilometer to a point where the property crosses the forestry road.

## 1.5 OWNERSHIP

Claim Number		Holder	Township
324579	42A02B388	Ashley Gold Mines Limited	Powell
183739	42A02B389	Ashley Gold Mines Limited	Powell
334495	41P15J008	Ashley Gold Mines Limited	Powell
111551	41P15J009	Ashley Gold Mines Limited	Powell

**Table 1: Cell Claims and Claim Holder**

## 1.6 PREVIOUS WORK

Significant historical exploration has been carried out over the years all over the survey area. The following list describes details of the previous geoscience work which was collected by the Mines and Minerals division and provided by OGSEarth (MNDM & OGSEarth, 2018).

- 1972: Canadian Johns-Manville Co Ltd. (File 42A03SE0328)**  
***Geochemical Sampling – Powell Township***  
 A total of 270 birch samples, 10 alder samples and 100 follow-up samples were taken to be assayed for valuable minerals.
- 1974: Gold Acres Mines Ltd. (File 41P15NE8264)**  
***Ground IP and Magnetic Geophysical Survey – Powell Township***  
 The magnetic survey covered nine-line miles with 484 readings, including detail stations. The induced polarization survey consisted of 191 readings, covering 8.3 line-miles.
- 1976: Midas Resource Ltd. (File 42A02SW0315)**  
***Ground IP, Resistivity and Magnetic Geophysical Survey, Trenching and Geological Mapping – Powell Township***  
 A total of 6.16 km of IP, Resistivity and Magnetic Ground Geophysical Surveys were completed, as well as stripping 6 new trenches. The property was mapped, and 14 bedrock samples were collected to assayed for valuable minerals.
- 1976: Gemex Minerals Inc (File 42A02SW0307)**  
***Prospectus – Powell Township***

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Offered a new issue consisting of 150,000 underwritten commons shares.

- **1996: Abitibi Mining Corp. (File 42A02SE2017)**  
***Trenching and Geochemical Sampling – Powell Township***  
Between September 1 and October 7, 1996 Abitibi Mining Corp. completed a sampling program on three existing trenches and completed back-hoe mechanical stripping on three new trenches on the Campbell Project. Three trenches were completed with a total length of 440m. A total of 188 samples were collected from the old and new trenches to be assayed for gold.
- **1997: Abitibi Mining Corp. (File 42A02SE0048)**  
***Ground Magnetic Geophysical Survey and Open Cutting – Powell Township***  
From June 1 to 15 of 1997 a program of line cutting, and magnetometer surveying was carried out on the Campbell Project held by Abitibi Mining Corp. A total of 19.09 km was surveyed for magnetics.
- **1997: Abitibi Mining Corp. (File 42A02SE2011)**  
***Geological Mapping and Geochemical Sampling – Powell Township***  
Between August 8 and August 20, 1997 Abitibi Mining Corp. completed limited mapping and soil geochemical survey over a part of the Campbell project. A total of 4.25 km of line mapping was completed, with 18 rock samples taken to be assayed for valuable minerals. 130 soil samples were also taken to analyze the 'B' horizon of the topsoil.
- **2006: Pacific Comox Resources Ltd. (File 20000002394)**  
***Diamond Drilling and Geochemical Sampling – Powell Township***  
6 holes were drilled totaling a length of 457m, with 97 core samples taken to be assayed for valuable minerals.
- **2007 to 2008: Pacific Comox Resources Ltd. (File 20000003104)**  
***Line Cutting and Ground IP and Magnetic Geophysical Survey – Powell Township***  
A total of 8-line kilometers was cut and an 8-line kilometer Magnetic Survey was conducted. A 7-line kilometer IP Survey was also conducted on the same cut grid.
- **2014: Ashley Gold Mines Limited (File 20000008605)**  
***Ground VLF EM Geophysical Survey – Powell Township***  
A total of 4.150-line kilometers of no grid VLF EM was performed on September 21, 2014. This consisted of 332 magnetometer samples taken at 12.5m intervals.
- **2014: Ashley Gold Mines Limited (File 20000008553)**  
***Ground Magnetic Geophysical Survey – Powell Township***  
A total of 4.150-line kilometers of no grid Magnetics was performed on September 21, 2014. This consisted of 332 VLF EM samples taken at 12.5m intervals.

- **2016: Ashley Gold Mines Limited (File 20000009186)**  
***Ground Magnetic Geophysical Survey – Powell Township***  
A total of 8.350-line kilometers of no grid Magnetics was performed between July 8 and July 10, 2016. This consisted of 668 magnetometer samples taken at 12.5m intervals.
- **2016 to 2017: Ashley Gold Mines Limited (File 20000016339)**  
***Ground VLF and EM Geophysical Survey – Powell Township***  
A total of 12.55-line kilometers of VLF EM was performed between July 8 and July 10, 2016 and on September 14, 2017. This consisted of 1004 VLF EM samples taken at 12.5m intervals.
- **2017: Ashley Gold Mines Limited (File 20000015251)**  
***Ground Magnetic Geophysical Survey – Powell Township***  
A total of 4.2-line kilometers of magnetometer was performed on September 14, 2017. This consisted of 336 magnetometer samples taken at 12.5m intervals.

## 1.7 GENERAL GEOLOGY

### Regional Geology:

The property lies within the Watabeag Assemblage of the Abitibi Sub province. The general geology of the Matachewan area has been described in 1967 by H. L. Lovell of the Ontario Geological Survey (O.G.S.), (G.R. 51, Map 2110). In addition, L. Jensen of the O.G.S. has recently mapped portions of Powell township (O.G.S. Map 3356).

The dominant geological feature of the region is the Cairo stock, a large syenite intrusion centered in Cairo township. Several trachytic syenite and syenite porphyry dykes and sills associated with the Cairo stock intrude the surrounding volcanic units. Tholeiitic basalt and andesite flows, with minor iron formation and interflow sediments possibly correlate with the Kinojevis Group (Jensen 1979), in Kirkland Lake. This sequence of volcanic rocks is isoclinal folded with the axial plane orientated at Az 070. A sequence of sedimentary and alkalic volcanic rocks of the Timiskaming Group (Lovell 1967; Jensen, 1979), unconformably overlies the volcanic rocks. The Timiskaming Group contains distinctive fluvial conglomerates and greywackes and is spatially associated with the Kirkland-Larder Lake - Cadillac Break Granite to diorite intrusions, are present mainly in the north and southeastern parts of the region. All the rocks are intruded by north trending diabase dykes of the Matachewan swarm. In the southeast



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and southwest, Proterozoic sedimentary rocks of the Cobalt Group, mainly conglomerates, unconformably overlie the older rocks.

### **Property Geology:**

Based on field investigations and on a study of Map 2110 (Powell and Cairo Townships) published by the Ontario Department of Mines, the property of Midas Resources Ltd. is underlain by a varied assemblage of intermediate to basic, volcanic rocks of Keewatin age which are overlain by a sequence of younger Timiskaming sediments of unknown thickness in the southwestern portion of the Midas property. These rocks, in turn, have been intruded by a syenite porphyry in the central portion of the property appears to be an offshoot of the main syenite stock centered in the Cairo Township, approximately 6 miles to the east. Excluding the Pleistocene sediments, the youngest rocks on the property consist of a swarm of north-south trending, "Matachewan" diabase dykes which occur mainly in the western portion of the property.

In the Matachewan area, most of the economic mineral occurrences of gold, copper and molybdenum are either in or adjacent to small piercement type intrusions of syenite porphyry. Often, the presence of copper and molybdenum in the Matachewan area, particularly where it appears to be genetically related to a syenite or syenite porphyry, denotes proximity to the presence of gold.

The most significant mineralization on the property was discovered in the spring of 1975 by Messrs. H. King and D. Campbell at the south end of Shields Lake where chalcopyrite and molybdenite occur in a highly siliceous (quartz) zone along the margins of a syenite porphyry. The sulphides occur principally as fracture filling and as disseminated crystal and crystal aggregates. The disseminated type of mineralization often displays a pronounced structural (fracture) control. Generally, there is concentration of the sulphides (chalcopyrite and molybdenite) over a width of 2 to 3 feet at the syenite porphyry contact. The host rock, almost exclusively, consists of a light grey, smoky quartz which periodically contains subordinate amounts of carbonate, chlorite and hornblende. The quartz exhibits a pronounced fractured or shattered texture, particularly near the contact with the syenite porphyry.

## 2.0 SURVEY WORK UNDERTAKEN

### 2.1 SURVEY LOG

Date	Description
September 23, 2022	A total of 7 samples were collected over the Powell Prospect. The location at which each sample was taken was recorded with a handheld GPS and included in a traverse map.

**Table 2: Prospecting Log**

### 2.2 PERSONNEL

Crew Member	Resident	Province
Bruce Lavalley	Britt	Ontario
Claudia Moraga	Britt	Ontario

**Table 3: Prospecting Crew Personnel**

### 2.3 TRAVERSE SPECIFICATIONS

The traverse was chosen at random by the crew to maximize property coverage. Two crew members focused on locating and sampling historic showings, while also trying to cover new areas.

At each sample site, a long bright orange ribbon was hung with only the sample number listed in black marker. Each sample was taken under its corresponding ribbon.

Using a rock hammer, rocks were broken up and sampled. Each sample was placed in a plastic sampling bag with a sample tag and taped to seal. Sample numbers were recorded on the sampling bags. The samples were then put into a packsack for transportation.

At each sampling location, a photograph of satellite information shown on the GPS was taken.

At the end of the day, all samples were put into white “rice” bags. These bags were sealed and brought back to Larder Lake to be cut and characterized. The GPS data which identified sample locations and traverse routes were downloaded for mapping.

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### 3.0 OVERVIEW OF SURVEY RESULTS

**ALL SAMPLES WERE TAKEN FOR REFERENCE PURPOSES ONLY! ALL SAMPLES WERE PRESENTED TO GOLDEN VALLEY MINES LTD.**

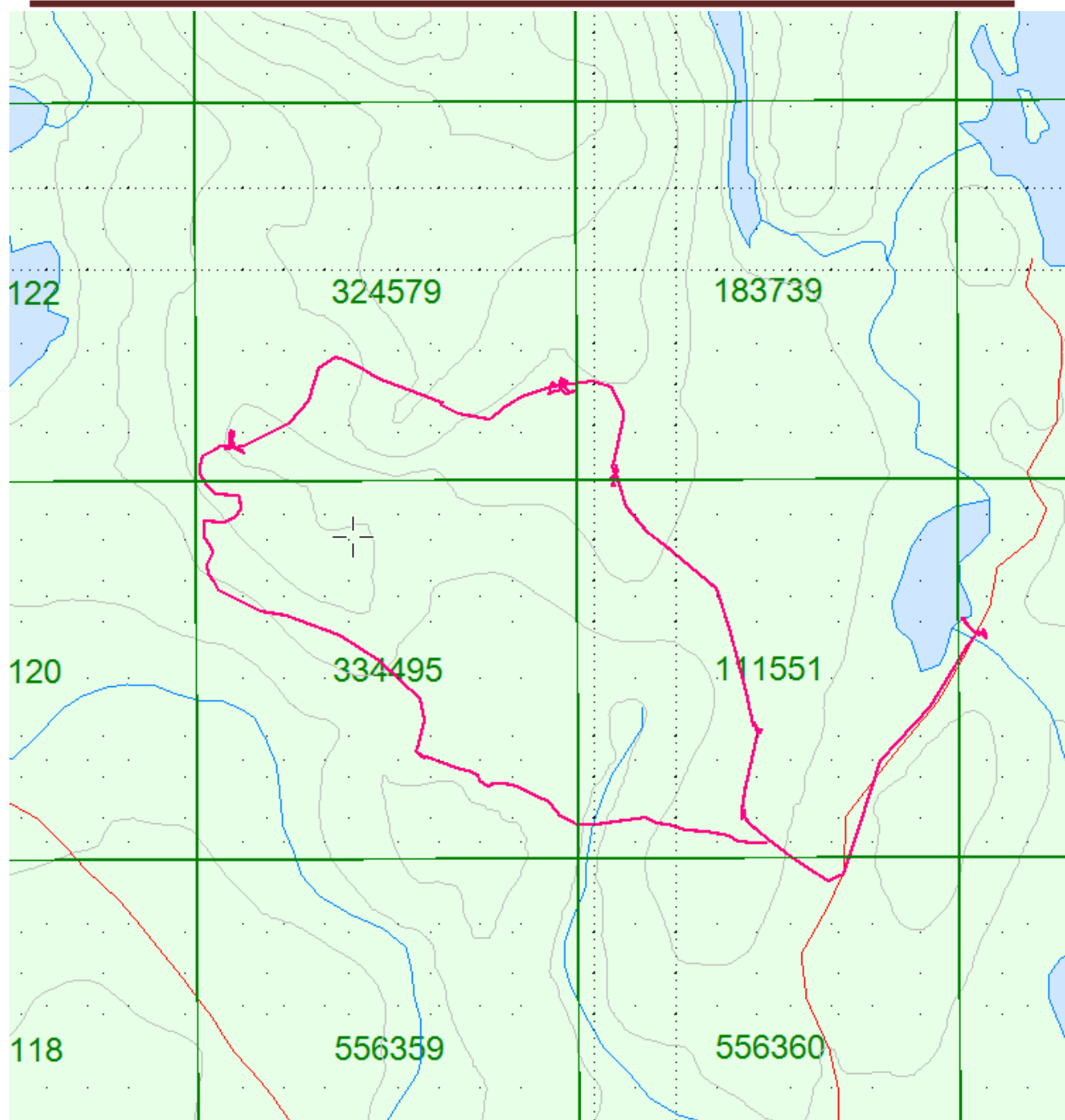
#### 3.1 SUMMARY OF SAMPLES COLLECTED

At each sampling location, a picture of satellite information shown on the GPS was taken.

At the end of the day, all samples were put into white “rice” bags. These bags were sealed and brought back to Larder Lake to be cut and characterized. The GPS data which identified sample locations and traverse routes were downloaded for mapping.

Date	Sample Number	UTM Easting	UTM Northing
September 23, 2022	0126	522852	5316172
	0127	522580	5315933
	0128	522603	5316035
	0129	522426	5316335
	0130	522358	5316464
	0131	522362	5316464
	0132	521958	5316401

**Table 4: Summary of Samples Collected**



**Figure 2: Prospecting Traverses (contour plot)**

**3.2 DAY 1 — SEPTEMBER 23, 2022**

SAMPLES WERE COLLECTED FROM OUTCROP ENCOUNTERED. THESE WERE COLLECTED FOR REFERENCE PURPOSES AND PRESENTED TO THE CLIENT.

Sample 0126

Location:  
UTM Zone 17T  
522852E  
5316172N

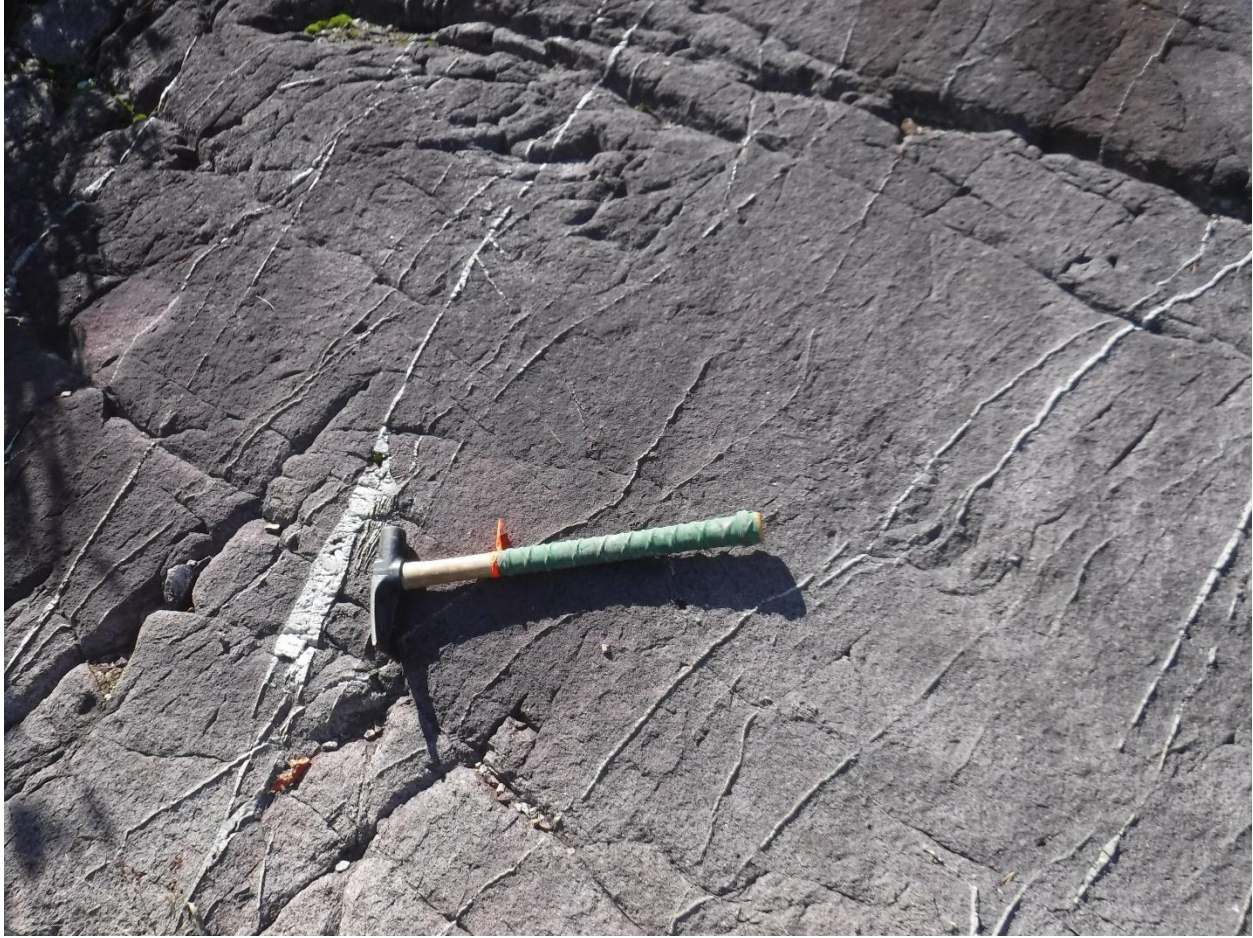
Rock Description:

- Porphyry with quartz veining



**Figure 3: Picture of Sample 0126**

**Figure 4: Sample 0126 with GPS**



**Figure 5: Sample 0126 Area – Field Image of Quartz Stockwork**



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Sample 0127

Location:  
UTM Zone 17T  
522580E  
5315933N

Rock Description:

- Intermediate Metavolcanic



**Figure 6: Picture of Sample 0127**





**Figure 7: Sample 0127 with GPS**

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Sample 0128

Location:  
UTM Zone 17T  
522603E  
5316035N

Rock Description:

- Intermediate Metavolcanic



**Figure 8: Picture of Sample 0128**



**Figure 9: Sample 0128 with GPS**

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Sample 0129

Location:  
UTM Zone 17T  
522426E  
5316335N

Rock Description:

- Intermediate Metavolcanic



**Figure 10: Picture of Sample 0129**



**Figure 11: Sample 0129 with GPS**

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Sample 0130

Location:  
UTM Zone 17T  
522358E  
5316464N

Rock Description:

- Intermediate Metavolcanic

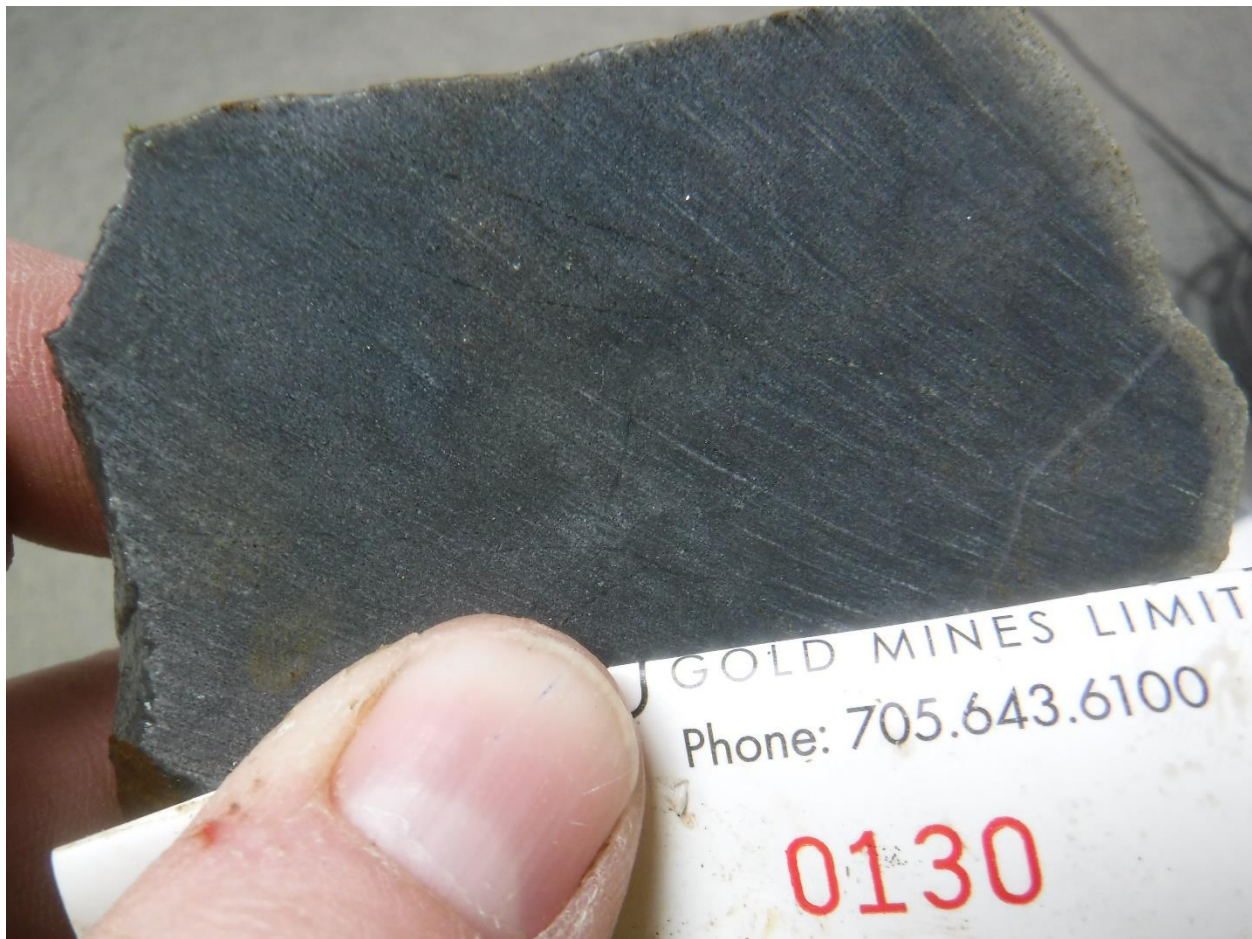


Figure 12: Picture of Sample 0130



**Figure 13: Sample 0130 with GPS**

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Sample 0131

Location:  
UTM Zone 17T  
522362E  
5316464N

Rock Description:

- Porphyry with Quartz Veining



Figure 14: Picture of Sample 0131





**Figure 15: Sample 131 with GPS**

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Sample 0132

Location:  
UTM Zone 17T  
521958E  
5316401N

Rock Description:

- Diabase with White Spotting



**Figure 16: Picture of Sample 0132**



**Figure 17: Spotting on Outcrop**



**Figure 18: Sample 0113 with GPS**

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## APPENDIX A

### STATEMENT OF QUALIFICATIONS

I, C. Jason Ploeger, hereby declare that:

1. I am a professional geophysicist with residence in Larder Lake, Ontario and am presently employed as a Geophysicist and Geophysical Manager of Canadian Exploration Services Ltd. of Larder Lake, Ontario.
2. I am a Practising Member of the Association of Professional Geoscientists, with membership number 2172.
3. I graduated with a Bachelor of Science degree in geophysics from the University of Western Ontario, in London Ontario, in 1999.
4. I have practiced my profession continuously since graduation in Africa, Bulgaria, Canada, Mexico and Mongolia.
5. I am a member of the Ontario Prospectors Association, a Director of the Northern Prospectors Association and a member of the Society of Exploration Geophysicists.
6. I do not have nor expect an interest in the properties and securities of **Ashley Gold Mines Limited**
7. I am responsible for the final processing and validation of the survey results and the compilation of the presentation of this report. The statements made in this report represent my professional opinion based on my consideration of the information available to me at the time of writing this report.

C. Jason Ploeger, P.Geo., B.Sc.  
Geophysical Manager  
Canadian Exploration Services Ltd.

Larder Lake, ON  
September 29, 2022



**APPENDIX B**

**GARMIN GPS MAP 62S**



Physical & Performance:	
Unit dimensions, WxHxD:	2.4" x 6.3" x 1.4" (6.1 x 16.0 x 3.6 cm)
Display size, WxH:	1.43" x 2.15" (3.6 x 5.5 cm); 2.6" diag (6.6 cm)
Display resolution, WxH:	160 x 240 pixels
Display type:	transflective, 65-K color TFT
Weight:	9.2 oz (260.1 g) with batteries
Battery:	2 AA batteries (not included); NiMH or Lithium recommended
Battery life:	20 hours
Waterproof:	yes (IPX7)
Floats:	no
High-sensitivity receiver:	yes
Interface:	high-speed USB and NMEA 0183 compatible

Maps & Memory:	
Basemap:	yes
Preloaded maps:	no
Ability to add maps:	yes
Built-in memory:	1.7 GB
Accepts data cards:	microSD™ card (not included)
Waypoints/favorites/locations:	2000
Routes:	200
Track log:	10,000 points, 200 saved tracks
Features & Benefits:	
Automatic routing (turn by turn routing on roads):	yes (with optional mapping for detailed roads)
Electronic compass:	yes (tilt-compensated, 3-axis)
Touchscreen:	no
Barometric altimeter:	yes
Camera:	no
<u>Geocaching-friendly:</u>	yes (paperless)
<u>Custom maps compatible:</u>	yes
Photo navigation (navigate to geotagged photos):	yes
Outdoor GPS games:	no
Hunt/fish calendar:	yes
Sun and moon information:	yes

Tide tables:	yes
Area calculation:	yes
Custom POIs (ability to add additional points of interest):	yes
Unit-to-unit transfer (shares data wirelessly with similar units):	yes
Picture viewer:	yes
Garmin Connect™ compatible (online community where you analyze, categorize and share data):	yes

- *Specifications obtained from [www.garmin.com](http://www.garmin.com)*



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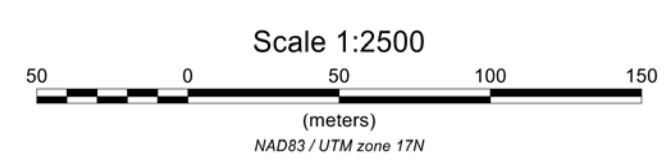
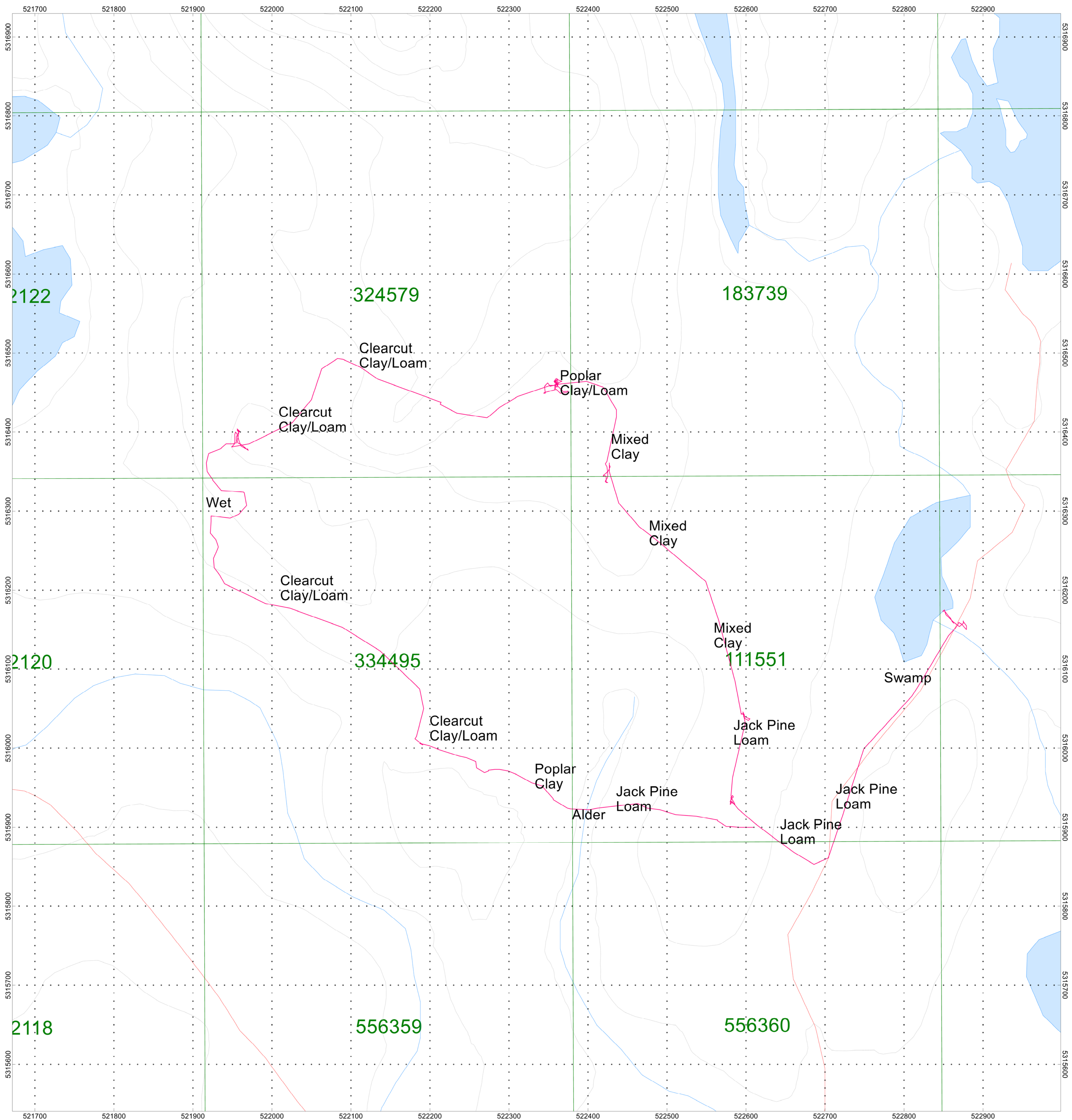
## APPENDIX C

### LIST OF MAPS

#### Plan Maps

- 1) Q3065-Ashley-Powell-Prospecting-2022 (1:2500)
- 2) Q3065-AGM-Powell-Prospecting-Veg-2022 (1:2500)

**Total Maps = 2**



**POWELL PROPERTY**  
Powell Township, Ontario

Prospecting Traverse  
Vegetation and Soil  
September 23, 2022

Traverses by: Bruce Lavalley and  
Claudia Moraga  
Processed by: C Jason Ploeger, P.Geo.  
Map Drawn By: C Jason Ploeger, P.Geo.  
December 2022



MOB	Prospecting	Cutting	Report
200	1500	175	2000
28.57143	214.285714	25	285.7143
7	7	7	7

Samples	Cells	Cost	200	1500	175	2000
7		3875				
3	324579	1661	1660.714	85.71429	642.857143	75 857.1429
	183739		0	0	0	0 0
	334495		0	0	0	0 0
4	111551	2214	2214.286	114.2857	857.142857	100 1142.857