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APOLLO EXPLORATION



PROJECT NAME

Hammond Reef North
Atikokan, Ontario

CLIENT

Apollo Exploration
150 King Street West, Suite 2800
Toronto, Ontario, Canada, M5H 1J9

DATE

Feb 3rd, 2023

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Introduction

Inventus was contracted to conduct geological mapping and grassroots prospecting at Apollo Exploration's Hammond Reef North Project in Norway lake and Sawbill Bay townships. Part of this work was a compilation of historic data that was gathered and reprocessed to build a GIS database. The data compilation was conducted prior to the field program to help better understand the project areas history, geology and confirm all previous work completed in the project area. Any areas with high geological interest were then mapped and prospected and mapped in detail to identify and sample any mineralization similar to AGNICO Eagles Hammond Reef deposit to the southeast of the property.

Location and Access

The Hammond Reef North Property is located 30 km northeast of the town of Atikokan (figure 1). To access the property, take Little Falls Rd/Highway 622 north from Atikokan for approx. 24 kms. Turn right onto Hardtrack Rd. and travel 6.6 kms then take a slight right onto Sawbill Rd. Travel on Sawbill Rd. for 17.5 km and you will be located a few hundred metres south of the southern boundary of the Hammond Reef North Property. To access the centre of the property, continue on Sawbill Rd. for 1.5 km turn left onto an unnamed road. Continue for 2.5 km and take another left onto another unnamed road for 1.5 km.

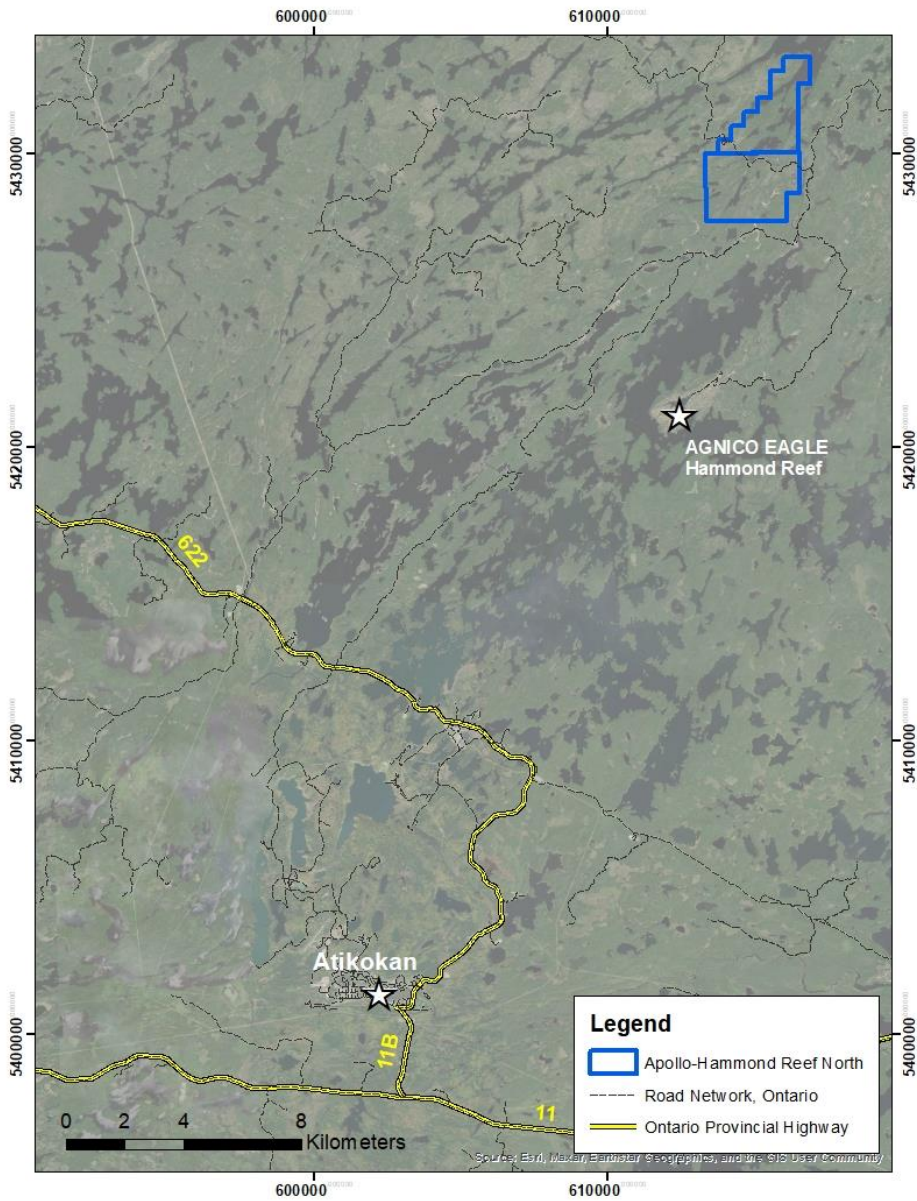


Figure 1. Project Location.

Exploration History

There has been minimal exploration on the Hammond Reef North property and of that exploration work, only a small part was conducted within the Hammond Reef North property boundary. In 2010, Fancamp Exploration Ltd., conducted a geological mapping and sampling program that extended into the northern part of the Hammond Reef North Property. In their assessment report they mention historic exploration just north and east of the Hammond Reef North Property on the east shore of Red Paint Lake. At this location two showings, the Island Occurrence and the Red Paint Lake Occurrence, are

of the Marmion Batholith are a series of northeast trending interlaced shear and alteration zones. Within these zones are the Hammond Reef Deposit and the Hammond Reef North property located 8 km to the Northeast.

Hammond Reef Deposit Geology

At Hammond Reef a 3 km trend of alteration is host to the low-grade large tonnage gold deposit. The host alteration zone is located within the Marmion Batholith where a series of schist and veins occur along the entire strike of the deposit. The primary host to the mineralization is a series of discontinuous leader and stockwork veins that range often many tens of metres in thickness (Rennie et al., 2009). Individual leader veins can be high-grade; however, the discontinuous nature of the veins has made previous attempts of underground narrow-vein mining methods unprofitable.

Property Geology

The Hammond Reef North property is located at the contact between the Marmion Batholith to the east and the highly metamorphosed Dashwa Batholith to the west. At this juncture there is a thinning greenstone belt that connects the north-south trending Finlayson volcanic belt in the south to the east-west trending Lumber Lake volcanic belt in the north. The property is predominately underlain by tonalite and mafic metavolcanics with northeast-southwest trending alteration zones. The tonalite is similar to the host of the Hammond Reef Deposit where areas of alteration within the tonalite contain quartz veining and schist.

2022 Geological Mapping and Prospecting

Program Details

Between the dates of October 11th to October 18th Inventus Mining performed a geological mapping and prospecting program on the Hammond Reef North project held by Apollo Exploration. Work was performed by Winston Whymark and Wesley Whymark both who are employed by Inventus Mining. A total of 6 days were spent working on the 58 unpatented mining claims (Figures 3).

As part of the work conducted on the property, historical data; including geological mapping, geophysical surveys and OGS data was compiled and digitized to create an ArcGIS database. This database was then used to identify areas that had no previously known exploration work and areas that had higher potential for mineralization. Areas that had been previously mapped were also visited to confirm geological descriptions of the rocks.

Areas on the property that were not previously mapped or prospected were visited. During this work any prospective outcrops that were identified were then subject to detailed prospecting and mapping, including the collection of grab samples and/or sediment samples. A total of 40 rock samples were collected see (Table 1).

Results

During the mapping and prospecting program, the predominate rock types identified on the property was an altered tonalite and to a lesser extent a mafic intrusive. The mafic intrusive was highly altered and appeared to predate the tonalite unit occurring as remnant various sized elongate clasts. Cross cutting quartz veins were found in both units that contained trace to 4% pyrite and anomalous gold values (see table 1, figure 4). Quartz veins were more commonly found in areas of more intense alteration of the tonalite where silicification and schist were present. The larger quartz veins (up to 3 metres in width, see figure 3) had northeast-southwest strikes and could be considered similar to “leader veins” that occur at the Hammond Reef Deposit. Small discontinuous quartz veins were a common occurrence on the property and suggests a strong fluid system was present during or postdating the emplacement of the tonalite.



Figure 3. Large three metre quartz vein at 615586E, 5427798N. Vein trending NNE-SSW with 60–70-degree dip.

In the central part of the property a zone of intense alteration trending Northeast-Southwest was identified. The area was found to contain more frequent quartz veining and schist. A grab sample from one of the veins within this zone was found to contain 2.84 g/t Au (see location map on figure 4 and sample photo on figure 5). The milky quartz carbonate vein contained sericite-chlorite alteration with 3-4% pyrite along the vein contact. The occurrence was located at the edge of a swamp and could be extended along strike. At the North and South boundary of the property where the alteration zone is projected additional historic mineralization has been

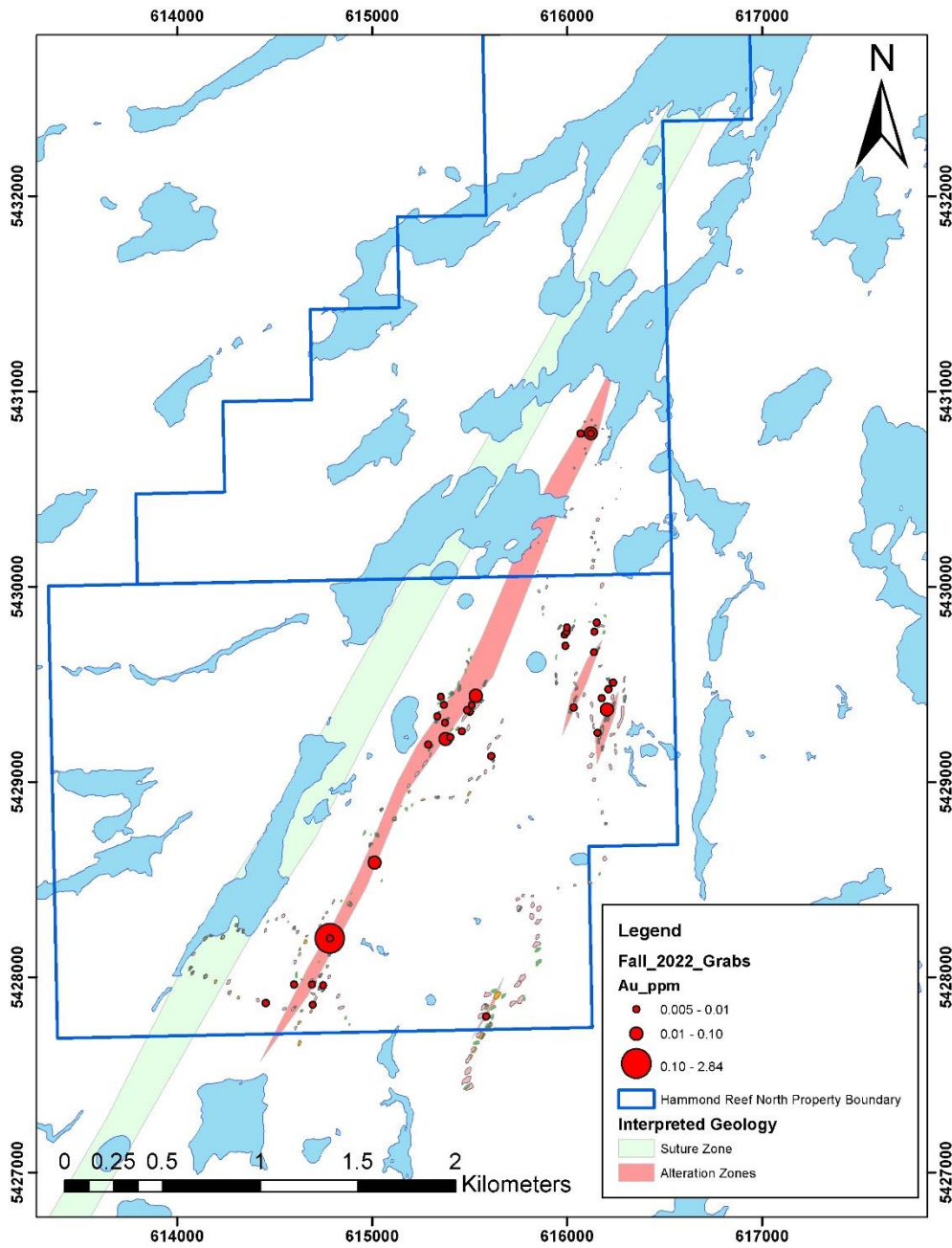


Figure 4. Locations of anomalous gold values.



Figure 5. Sample of quartz vein with 2.84 g/t Au.

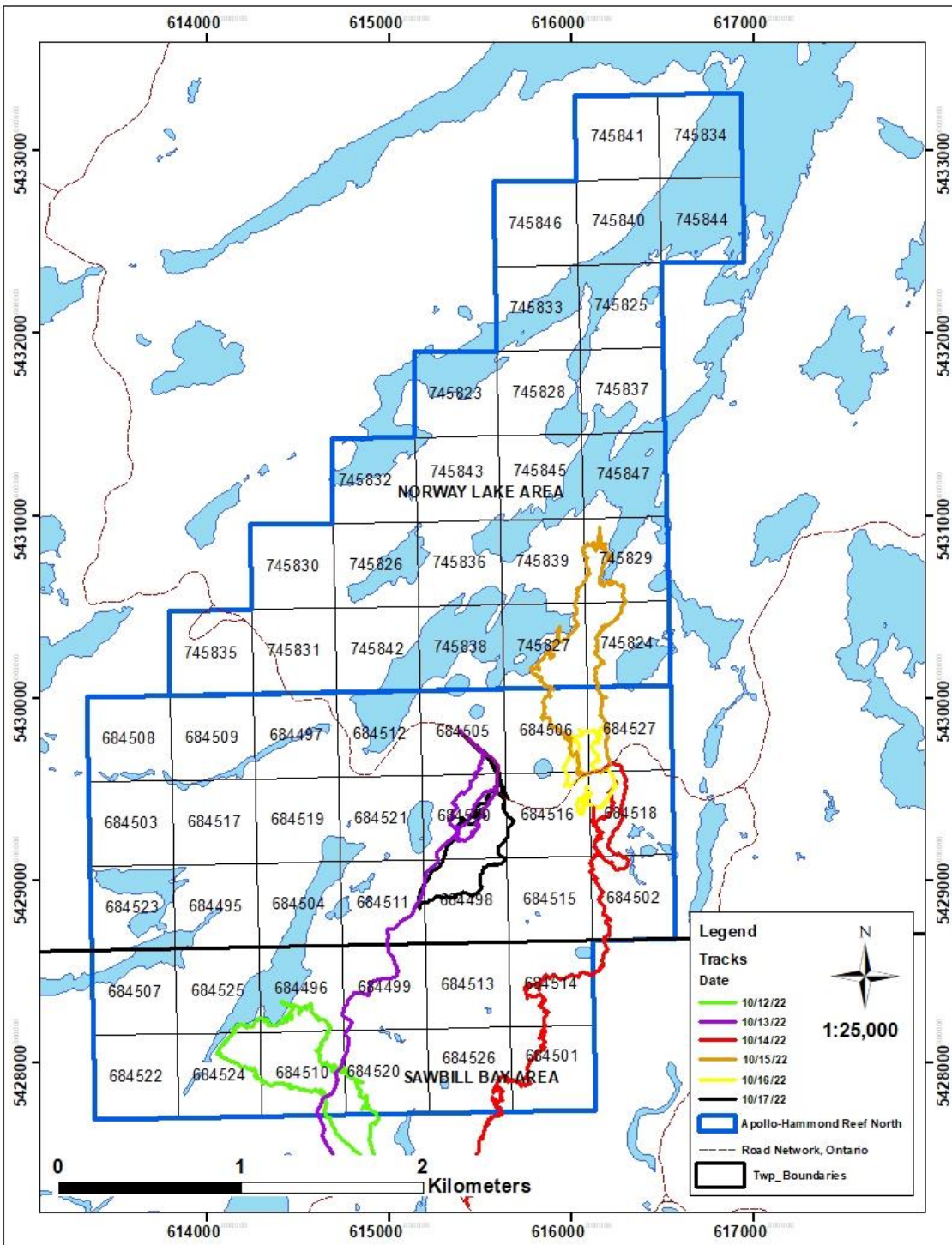


Figure 6. Northern area of preformed work - tracks/samples/outcrops mapped.

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2022 GEOLOGICAL MAPPING, GRASSROOTS PROSPECTING AND SAMPLING WABIKOBA LAKE AREA

Table 1. Grab sample locations and descriptions.

Sample ID	Field ID	Easting	Northing	Au ppm	Description	Date
E5703552	HR-01	614751	5427959	0.005	sample of 3b developing schistosity with 1-2% py.	Oct 12th, 2022
E5703553	HR-02	614693	5427963	0.005	sample of 4 with 3-4% ankerite, silicification and 3% py.	Oct 12th, 2022
E5703554	HR-03	614600	5427963	0.006	sample of 3b/4 qtz vein 8cm thick with 5-10% py.	Oct 12th, 2022
E5703555	HR-04	614455	5427868	0.005	sample of 5 siliceous unit with qtz veins 1% py as blebs and stringers	Oct 12th, 2022
E5703556	HR-05	614698	5427857	0.005	unit 5 with qtz stock work and tr- 1% sulphide	Oct 13th, 2022
E5703557	HR-06	614784	5428199	2.84	10cm qtz vein in sheared zone 2-3%	Oct 13th, 2022
E5703558	HR-07	614784	5428199	0.007	5cm vein in chl schist 25 sulphide with chl	Oct 13th, 2022
E5703559	HR-08	615014	5428586	0.014	schist with qtz stockwork and leader vein. Sample of schist with qtz veining 2-3% sulphide	Oct 13th, 2022
E5703560	HR-09	615289	5429191	0.005	schist with qtz stockwork 1% sulphide	Oct 13th, 2022
E5703561	HR-10	616070	5430784	0.005	schist with parallel qtz carb veins tr to .5% sulphide	Oct 15th, 2022
E5703562	HR-11	616125	5430784	0.017	same as HR 10 but 1-2% sulphide	Oct 15th, 2022
E5703563	HR-12	616125	5430784	0.005	3m below HR 11 qtz vein with ankerite and muscovite	Oct 15th, 2022
E5703564	HR-13	615586	5427798	0.005	3m wide qtz vein appears bull, hosted in outcrop 4 shear zone, schist with carbonate sericite/chlorite trace to nil sulphide vein strikes nne/ssw 60/70dip * sample of schist	Oct 14th, 2022
E5703565	HM-22-01	615355	5429436	0.005	4" qtz vein in unit 3 1-2% py, fuchsite ?	Oct 13th, 2022
E5703566	HM-22-02	615370	5429393	0.006	qtz/carb vein in unit 3 with 1-2% sulphide	Oct 13th, 2022
E5703567	HM-22-03	615337	5429336	0.005	1-2m qtz vein carb and ankerite, 1-2% py with heavy hematite 035/-80-90 dip sse	Oct 13th, 2022
E5703568	HM-22-04	615401	5429230	0.005	tonalite unit 16 qtz eyes siliceous with 3-4py	Oct 13th, 2022
E5703569	HM-22-05	615379	5429220	0.033	tonalite unit 16 in contact with meta vol. unit 3 heavy sulphide with fuchsite	Oct 13th, 2022

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2022 GEOLOGICAL MAPPING, GRASSROOTS PROSPECTING AND SAMPLING WABIKOBA LAKE AREA

E5703570	HM-22-06	615461	5429258	0.005	chlorite vein in tonalite with 5% sulphide, .5 - 1" qtz veins cutting through.	Oct 13th, 2022
E5703571	HM-22-07	615504	5429358	0.005	shear zone in unit 16 tonalite heavy hematite 1% py	Oct 13th, 2022
E5703572	HM-22-08	615513	5429392	0.005	unit 16 tonalite with blue atz eyes 3-4% diss sulphide 8" qtz vein cutting through	Oct 13th, 2022
E5703573	HM-22-09	615994	5429697	0.005	qtz flooding meta vol unit 3? 1% sulphide	Oct 16th, 2022
E5703574	HM-22-10	615990	5429752	0.005	fine grain Arg in meta vol unit 3 qtz flooding 2-3% sulphide	Oct 16th, 2022
E5703575	HM-22-11	616000	5429767	0.005	sheared Meta vol unit 3 porphyritic lenses with 3-4% sulphide, magnetic	Oct 16th, 2022
E5703576	HM-22-12	615612	5429132	0.005	heavy qtz flooding albite/chlorite/sericite alteration	Oct 17th, 2022
E5703577	HM-22-13	615377	5429302	0.005	shear zone mmv unit 3, rusty 1-2% py 1-2" qtz veins 10+ veins	Oct 17th, 2022
E5703578	HM-22-14	615505	5429360	0.005	sheared meta vol with qtz veins 1-2% sulphide/hematite	Oct 17th, 2022
E5703579	HM-22-15	615489	5429367	0.005	shear zone heavily sheared 50% hematite, sericite with qtz veins trace py	Oct 17th, 2022
E5703580	HM-22-16	615533	5429442	0.076	shear zone in tonalite with qtz carb flooding and 1-2% hematite	Oct 17th, 2022
E5703581	HM-22-17	615533	5429442	0.037	1" qtz vein 2-35 diss sulphide, ankerite/sericite, 030/- 80dip	Oct 17th, 2022
E5703582	HM-22-18	616001	5429791	0.005	sheared meta vol. with qtz vein, heavy oxidization, tr sulphide	Oct 16th, 2022
E5703583	HM-22-19	616154	5429817	0.005	altered tonalite with qtz vein 1-2% py, stringer qtz carb veins possible 3 old trenches	Oct 16th, 2022
E5703584	HM-22-20	616142	5429769	0.006	6" qtz vein, with stringer vein flooding, vuggy and rusty 2% py possible VG, hosted in sheared and altered tonalite veins -45 e/se dip avg	Oct 16th, 2022
E5703585	HM-22-21	616141	5429663	0.005	shear zone with 3" qtz vein very rusty 3% sulphide. Fg mv / tonalite contact	Oct 16th, 2022

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2022 GEOLOGICAL MAPPING, GRASSROOTS PROSPECTING AND SAMPLING WABIKOBA LAKE AREA

E5703586	HM-22-22	616035	5429382	0.005	sheared tonalite with multiple qtz vein, chlorite/ankerite 4" qtz vein 1-25 sulphide	Oct 14th, 2022
E5703587	HM-22-23	616180	5429429	0.005	qtz flooding and veining in tonalite 2-3% diss py	Oct 14th, 2022
E5703588	HM-22-24	616214	5429476	0.005	qtz carb schist/sheared boulder on ridge looks local.	Oct 14th, 2022
E5703589	HM-22-25	616238	5429508	0.005	shear +1m wide Strike 317/90 dip 3% sulphide with qtz carb/veining	Oct 14th, 2022
E5703590	HM-22-26	616205	5429369	0.013	rusty/oxidized shear +1m wide strike 45/- 70-80 dip. Sheared tonalite with 2-3% py, .5-1" qtz carb veins	Oct 14th, 2022
E5703591	HM-22-27	616157	5429251	0.009	rusty sheared tonalite with 10" qtz vein with 2% sulphide, ankerite, hematite with fuchsite.	Oct 14th, 2022

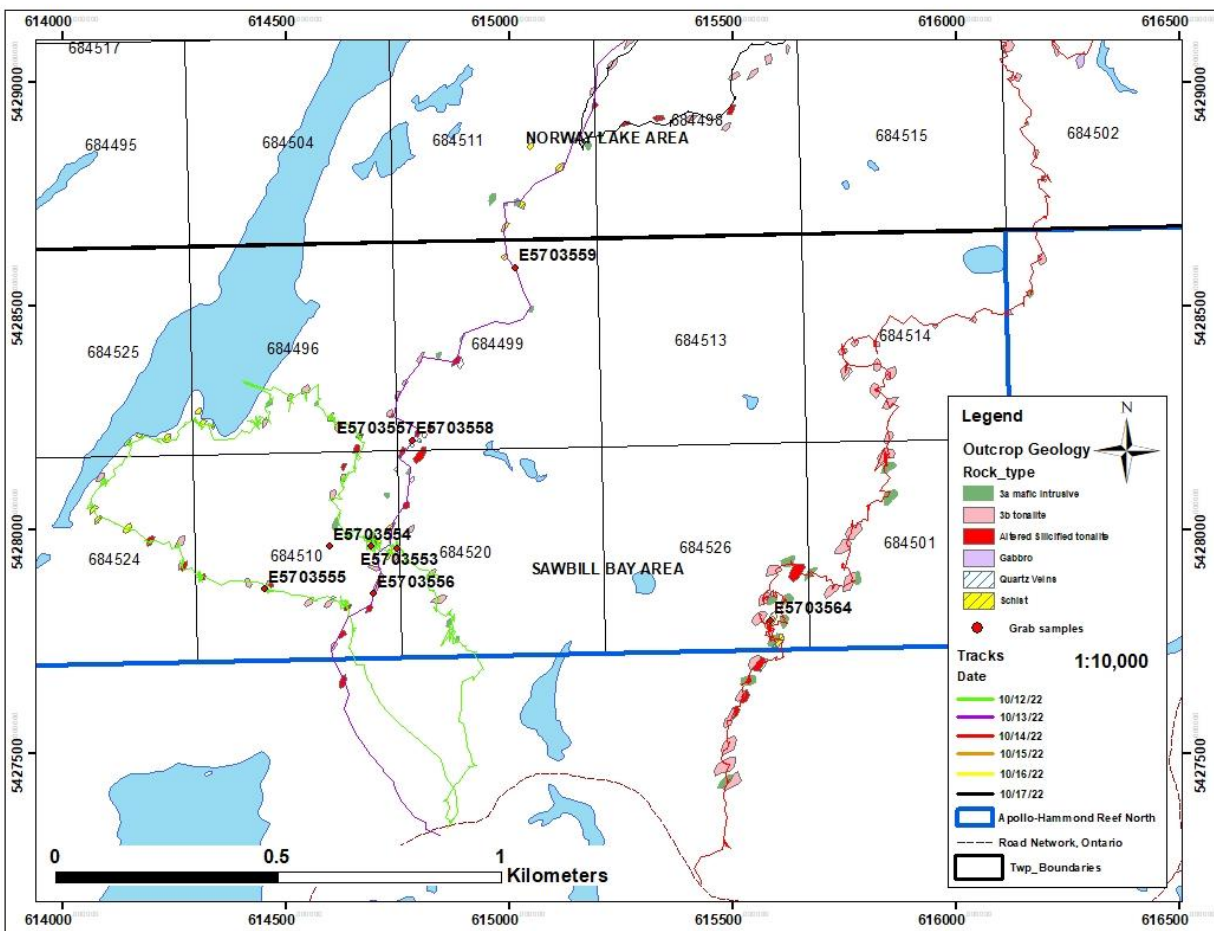


Figure 7. Southern area of preformed work - tracks/samples/outcrops mapped.

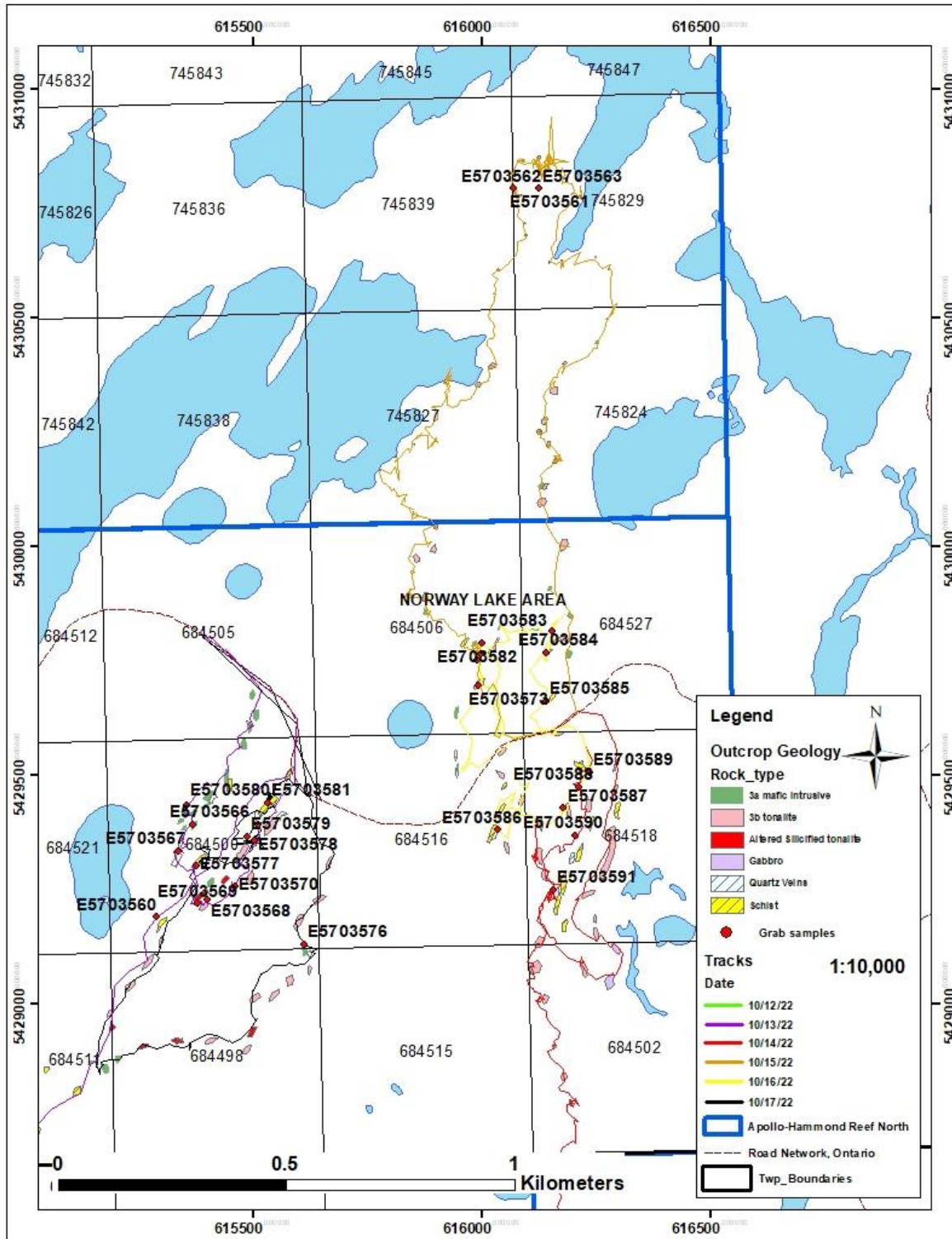


Figure 8. Northern area of preformed work - tracks/samples/outcrops mapped.

Recommendations

The property was found to contain anomalous gold values up to 2.84 g/t in altered quartz carbonate veins. The anomalous gold values were found in a zone of alteration trending northeast-southwest similar to the strike of the Hammond Reef Deposit to the Southeast.

A follow up program consisting of more detailed prospecting along this trend should be undertaken. The location of the 2.84 g/t Au grab sample should be revisited. At this location hand trenching, detailed mapping and channel sampling should be conducted to determine the extent and grade of the mineralization. Additionally, the entire strike of the alteration zone in the middle of the property where abundant quartz carbonate veins were found, should be prospected in more detail. Areas with intense alteration and veining could be found similar to the Hammond Reef Deposit where intense alteration contains mineralized leader veins and quartz stockwork breccia.

References

- Bjorkman, J., 2010. RPLP Work Report Summer Fall 2010, Fancamp Exploration, OGS assessment report.
- Buse, S., Lewis, D. and Magnus, S., 2010. Precambrian geology of the Lumby Lake greenstone belt; Ontario Geological Survey, Preliminary Map P. 3619, scale 1:20 000
- Rennie, D., Lambert, R., Krutzelmann, H., 2009. Preliminary Assessment of the Hammond Reef Gold Project, Atikokan, Ontario, Canada. 43-101 Report.
- Stone, D., 2010. 2010 Precambrian geology, central Wabigoon Sub province area. Northwestern Ontario; Ontario Geological Survey, Preliminary Map P.2229.

Certificate of Author

I, Wesley Whymark, BSc., P.Geo., of Sudbury, Ontario do hereby certify:

I am currently hired as the VP Exploration by Inventus Mining Corp. and consulting for Apollo Exploration and McEwen Mining.

I graduated with a Bachelor of Science (BSc.) from Laurentian University in 2014.

I am a member in good standing of the Professional Geoscientists of Ontario (APGO), registration number 2895.

I have worked in geology for 14 years and have an in-depth knowledge of economic geology.

I do not have nor expect to obtain any interest in the properties and/or securities of Apollo Exploration.

I am not aware of any material fact or material change with respect to the subject matter of this report, the omission to disclose which makes this report misleading.

I am independent of Apollo Exploration., applying all tests in section 1.5 of NI-43-101. I am under contract to the company.

As of the date of this certificate, and to the best of my knowledge, information and belief, the Technical Report contains all scientific and technical information related to the program here in described.

Dated:

Signed:

Wesley Whymark

Certificate of Author

I am a Geological Engineering Tech with residence in Sudbury, Ontario and currently employed with Argonaut Gold and consulting for Inventus Mining Corp.

I am an Associate Member #921699 of the Ontario Association of Certified Engineering Technicians and Technologists.

I graduated from Cambrian College with a Diploma in Mining/Geological Engineering Technology.

I do not have nor expect an interest in the properties and securities of Apollo Exploration.

I am not aware of any material fact or material change with respect to the subject matter of this report, the omission to disclose which makes this report misleading.

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Signed:

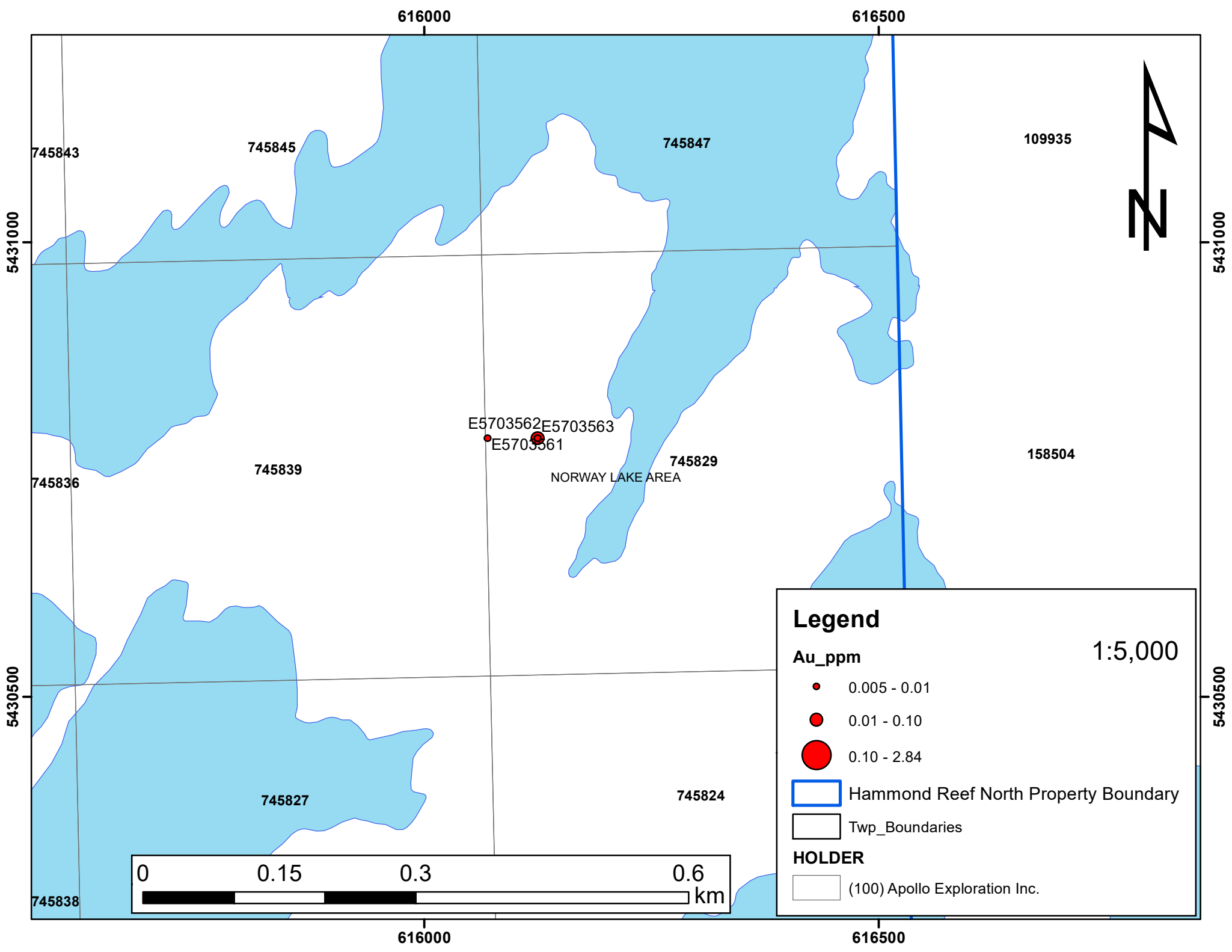
Winston Whymark

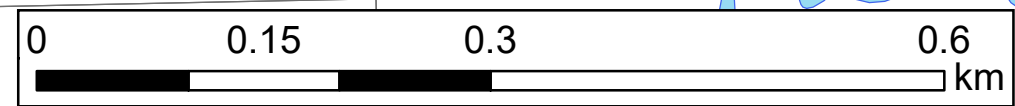
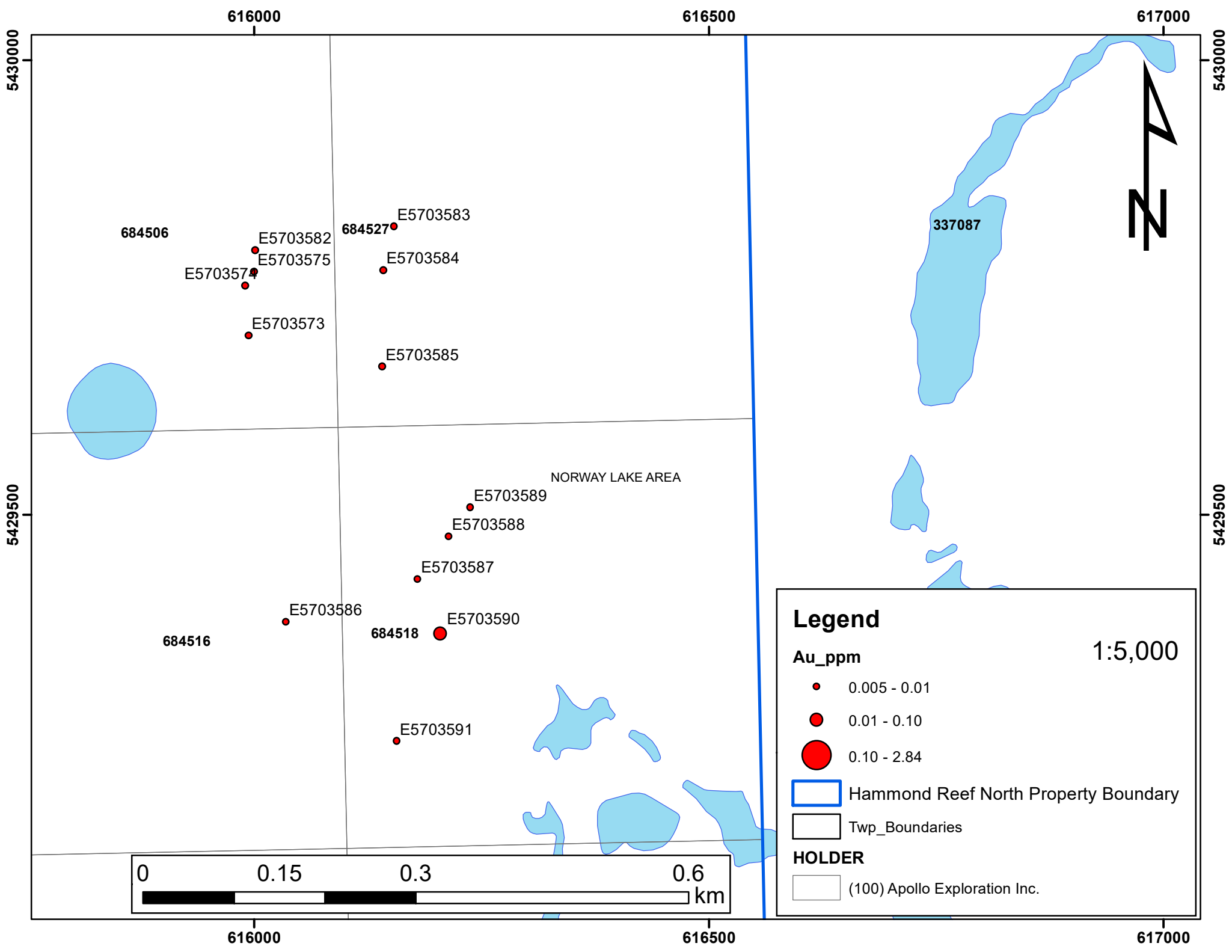
2022 Daily Activities Log: “Hammond Reef North” Project - Apollo Exploration

Mapping/Prospecting

Date	Names	Work type
Oct 11 th	Winston/Wesley	Travel
Oct 12 th	Winston/Wesley	Prospecting/mapping see figure 3, 4 and 5 for tracks and table 1 for sample locations.
Oct 13 th	Winston/Wesley	Prospecting/mapping see figure 3, 4 and 5 for tracks and table 1 for sample locations.
Oct 14 th	Winston/Wesley	Prospecting/mapping see figure 3, 4 and 5 for tracks and table 1 for sample locations.
Oct 15 th	Winston/Wesley	Prospecting/mapping see figure 3, 4 and 5 for tracks and table 1 for sample locations.
Oct 16 th	Winston/Wesley	Prospecting/mapping see figure 3, 4 and 5 for tracks and table 1 for sample locations.
Oct 17 th	Winston/Wesley	Prospecting/mapping see figure 3, 4 and 5 for tracks and table 1 for sample locations.
Oct 18 th	Winston/Wesley	Travel

Category	Date	Invoice #	Payee	Description	Amount
Mapping & Prospecting					
	Oct 6th	IVS#3-22	Inventus	Data compliation GIS	\$ 370.00
	Oct 7th	IVS#3-22	Inventus	Prepration maps / field supplies	\$ 370.00
	Oct 11th	IVS#3-22	Inventus	Travel x 2 men	\$ 920.00
	Oct 12th	IVS#3-22	Inventus	Mapping/prospecting x 2 men	\$ 920.00
	Oct 13th	IVS#3-22	Inventus	Mapping/prospecting x 2 men	\$ 920.00
	Oct 14th	IVS#3-22	Inventus	Mapping/prospecting x 2 men	\$ 920.00
	Oct 15th	IVS#3-22	Inventus	Mapping/prospecting x 2 men	\$ 920.00
	Oct 16th	IVS#3-22	Inventus	Mapping/prospecting x 2 men	\$ 920.00
	Oct 17th	IVS#3-22	Inventus	Mapping/prospecting x 2 men	\$ 920.00
	Oct 18th	IVS#3-22	Inventus	Travel x 2 men	\$ 920.00
	Oct 20th	IVS#3-22	Inventus	Report preperation x 2 men	\$ 720.00
	Oct 21st	IVS#3-22	Inventus	Report preperation x 2 men	\$ 720.00
					\$ 9,540.00
Assays					
	Dec 15th	654312	SGS	40 samples @ \$38.99 per samples	\$ 1,559.60
					\$ 1,559.60
Food					
	Oct 19th	IVS#3-22	Invnetus	8 days @ \$100 per day	\$ 800.00
					\$ 800.00
Supplies					
	Oct 19th	IVS#3-22	Inventus	geo tool handles	\$ 100.00
					\$ 100.00
Equipment rental					
					\$ -
Truck rental					
	Oct 19th	IVS#3-22	Inventus	8 days @ \$175 per day	\$ 1,400.00
					\$ 1,400.00
Accomadations					
	Oct 19th	IVS#3-22	Inventus	7 nights @ \$140.00 per day	\$ 980.00
					\$ 980.00
				Total	\$ 14,379.60





Legend

Au_ppm

- 0.005 - 0.01
- 0.01 - 0.10
- 0.10 - 2.84

Hammond Reef North Property Boundary

Twp_Boundaries

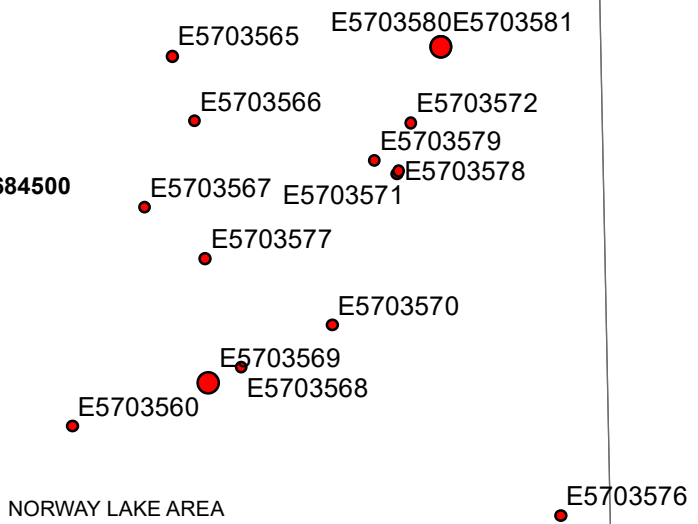
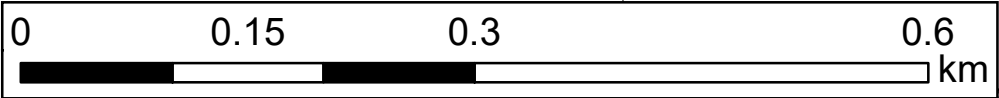
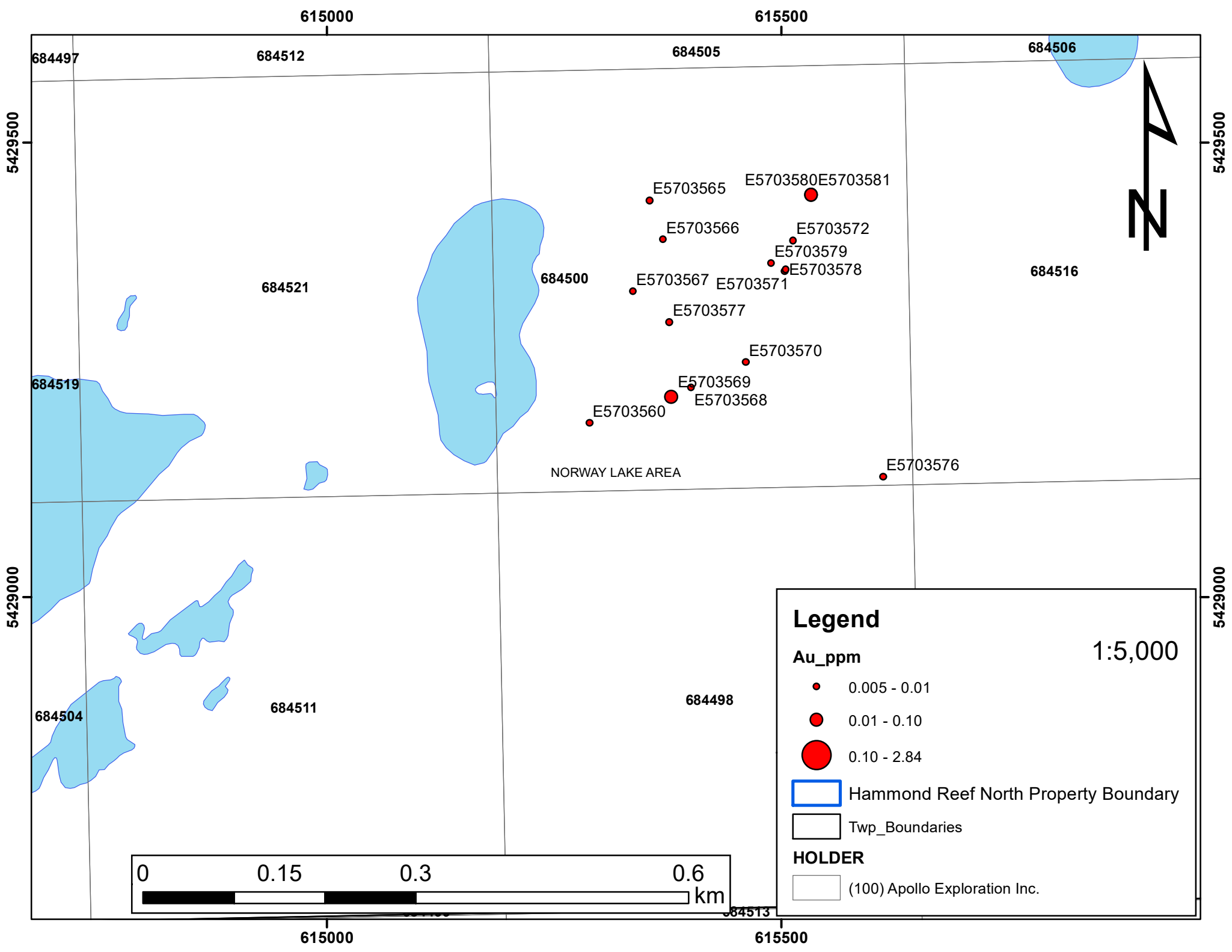
HOLDER

(100) Apollo Exploration Inc.

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NORWAY LAKE AREA



NORWAY LAKE AREA

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