

ASSESSMENT REPORT ON THE 2013 GEOCHEMICAL AND GEOLOGICAL SURVEY OF THE  
NANA CLAIMS

WHITEHORSE MINING DISTRICT – NTS 115D/ 11

Latitude 60° 41' N, Longitude 135° 22' W

UTM NAD 83 ZONE 8: 480500E, 6728000N

WORK DONE ON NANA 6, 8, 17 AND 20

GRANT NUMBERS YC54396, YC54398, YC66377 AND YC66712

SURVEY CONDUCTED OCTOBER 31 2013

REPORT BY DANIÈLE HÉON, P. GEO.

WHITEHORSE, NOVEMBER 14TH 2013

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# SUMMARY

The Nana property consists of 32 quartz claims in two claim blocks registered in the Whitehorse Mining District., located on NTS map sheet 115D/ 11. This report documents the results of the one day of fieldwork conducted on the Nana Claims on October 31 2013. A traverse was planned to ground-truth the regional geology and to optimize sampling along a contact prospective for skarn mineralization on a portion of the claim block that has received very little exploration work to date. Geological information was collected which improved on the existing regional geology map. A total of 3 soil samples and 2 rock samples were analyzed for gold and multi-element ICP.

The property is located north of the Whitehorse Copper Belt, approximately 6 km west of the western boundary of the City of Whitehorse, and approximately 6 km northwest of Fish Lake. Regional mapping shows the property to overlie Triassic sediments of the Aksala Fm, Hancock member, the same stratigraphy that hosts the skarn deposits of the Whitehorse Copper Belt. The regional map showed these sediments to be intruded by a Cretaceous diorite of the Whitehorse Suite, but the field work showed the sediments to be intruded instead by the Eocene Annie Ned biotite granite. Skarn occurs at and near this contact.

# LOCATION AND ACCESS

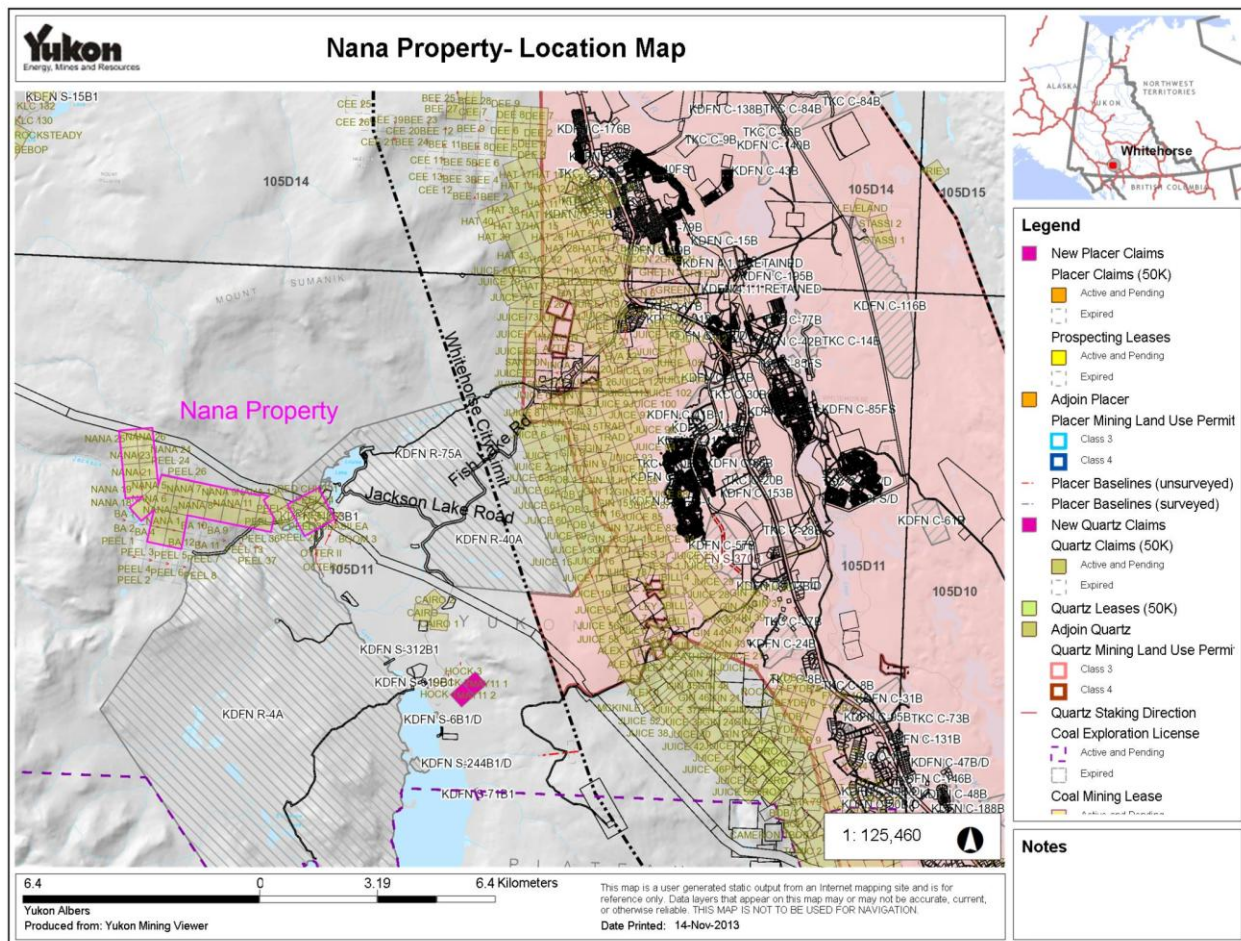


FIGURE 1 - GENERAL LOCATION MAP- NANA CLAIMS

The property is located north of the Whitehorse Copper Belt, approximately 6 km west of the western boundary of the City of Whitehorse, and approximately 6 km northwest of Fish Lake, on NTS map sheet 115D/11 (Figure 1). The claims are located north of Jackson Creek. Access to the property is from Jackson Lake road, which branches off from the Fish Lake road. Turning left at the first main intersection (at the bottom of a long hill), this road forks again after a few 100 meters. Taking then the right hand fork crosses the creek that flows into Jackson Lake. This road eventually skirts the northern shore of Fraser Lake. The road to the property branches off from that road and climbs to higher elevations via a steep and rough road suitable for 4X4 vehicle. The center of the property lies approximately at Latitude 60° 41' N, Longitude 135° 22' W, or UTM NAD 83 ZONE 8: 480500E, 6728000N.

## CLAIM DATA

The Nana property consists of 32 quartz claims distributed in 2 blocks of contiguous mineral claims registered in the Whitehorse Mining District. The claims are in 50/50 partnership between H. Coyne & Sons and Sid McKeown. The claim map is in Appendix A. The detailed claim data is found in Appendix B. The summary claim data is as follows:

Nana 1 to 4	YB54421 - 724
Nana 5 to 16	YC54395 - 406
Nana 17 to 18	YC66377 -387
Nana 19 to 26	YC66711 - 718
Peel 18 to 19	YB66841 - 842
Peel 32 to 35	YB66855 - 858

TABLE 1 SUMMARY CLAIM DATA

Claims 17 to 26 will be renewed for one year till November 20<sup>th</sup> 2014, pending acceptance of this filing.

## GEOLOGY

According to the regional geology map (YGS digital map), the area of interest is underlain by rocks of Stikine terrane (one of the Intermontane Terranes), interpreted to represent mid-Paleozoic to early Mesozoic magmatic arc rocks and associated sediments which were formed outboard of the western edge of the Laurentian craton (Israel et al, 2011). The oldest rocks in the area belong to the upper Triassic Lewes River Group, a sequence of arc-related volcanic, volcanoclastic and sedimentary rocks. More specifically, the property is underlain mainly by the Hancock (unit uTrAK2) and Mandanna (uTrAK3) members of the Aksala Formation (uTrAK), consisting mainly of clastic sediments and limestone (see Figure 4 for detailed lithological descriptions), interpreted to document the waning stages of the Lewes River arc.

These sediments are unconformably overlain by Jurassic clastic rocks of the Laberge Formation (unit JL), the basal unit of the Whitehorse Trough, which is interpreted to be a syn-accretionary sedimentary basin that developed during Early to Middle Jurassic convergence of the Intermontane terranes.

The sedimentary sequence is intruded by the post-accretionary mid Cretaceous calc-alkaline batholiths of the Whitehorse Suite. The Cu-Mo-Au skarns of the Whitehorse Copper Belt occur at the contact between the Cretaceous Whitehorse Batholith (granodiorite to diorite, unit mKdW) and the limey sediments of the Aksala Formation, Hancock member (uTrAK2). This same geological setting is present on the Nana Claims.

The sequence is intruded by the Tertiary Annie Ned Granite (unit ETqN) of the Nisling Range Suite.

A traverse was planned with the goal of soil sampling downhill from the diorite (mKdW)/ limestone (uTrAK2) contact on claims 17 to 26, as mapped on the regional geology map, in order to investigate potential skarn mineralization along this portion of the contact, which appeared to be under-explored on this portion of the property.

Figure 2 - Regional Geology

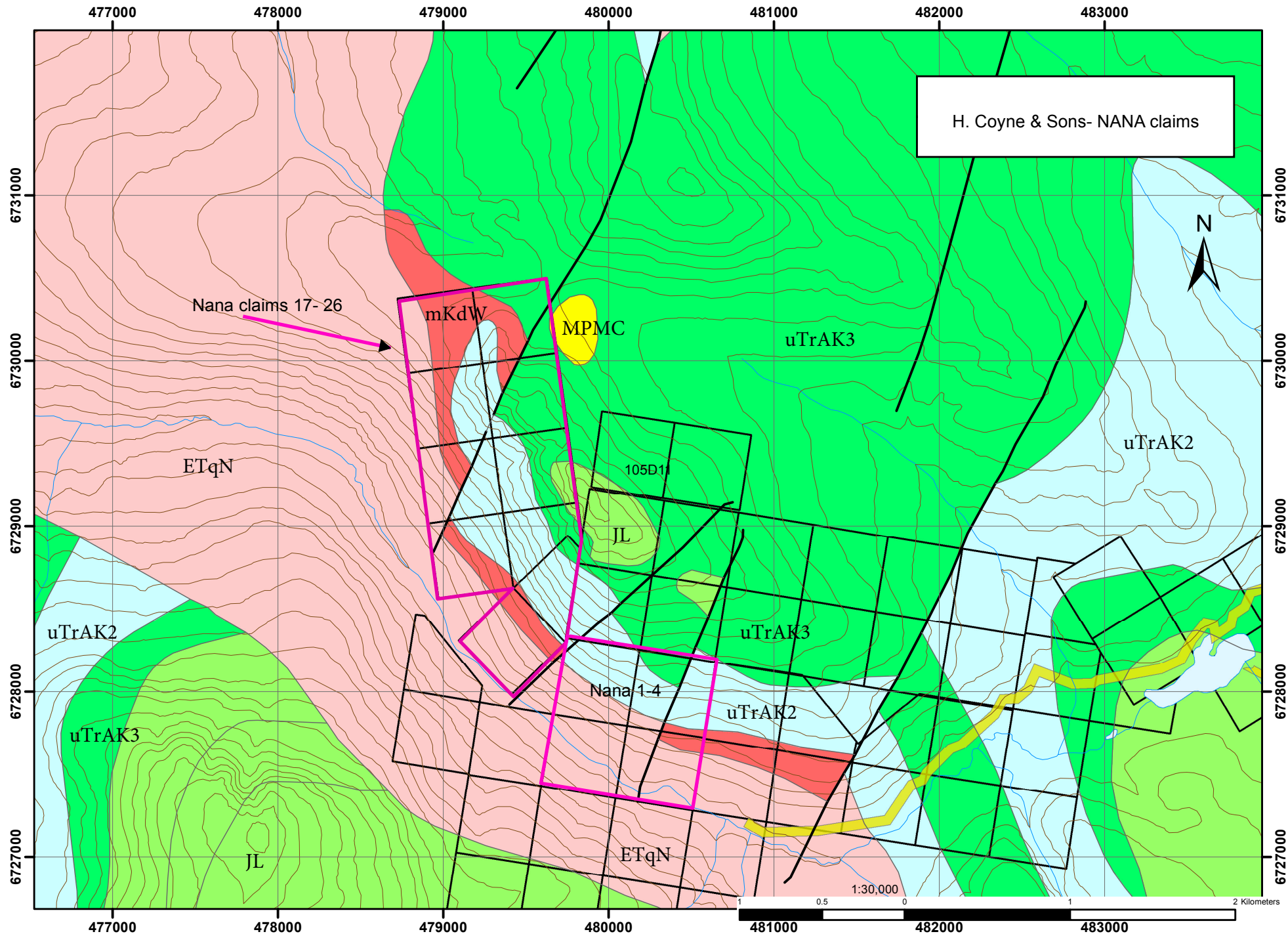
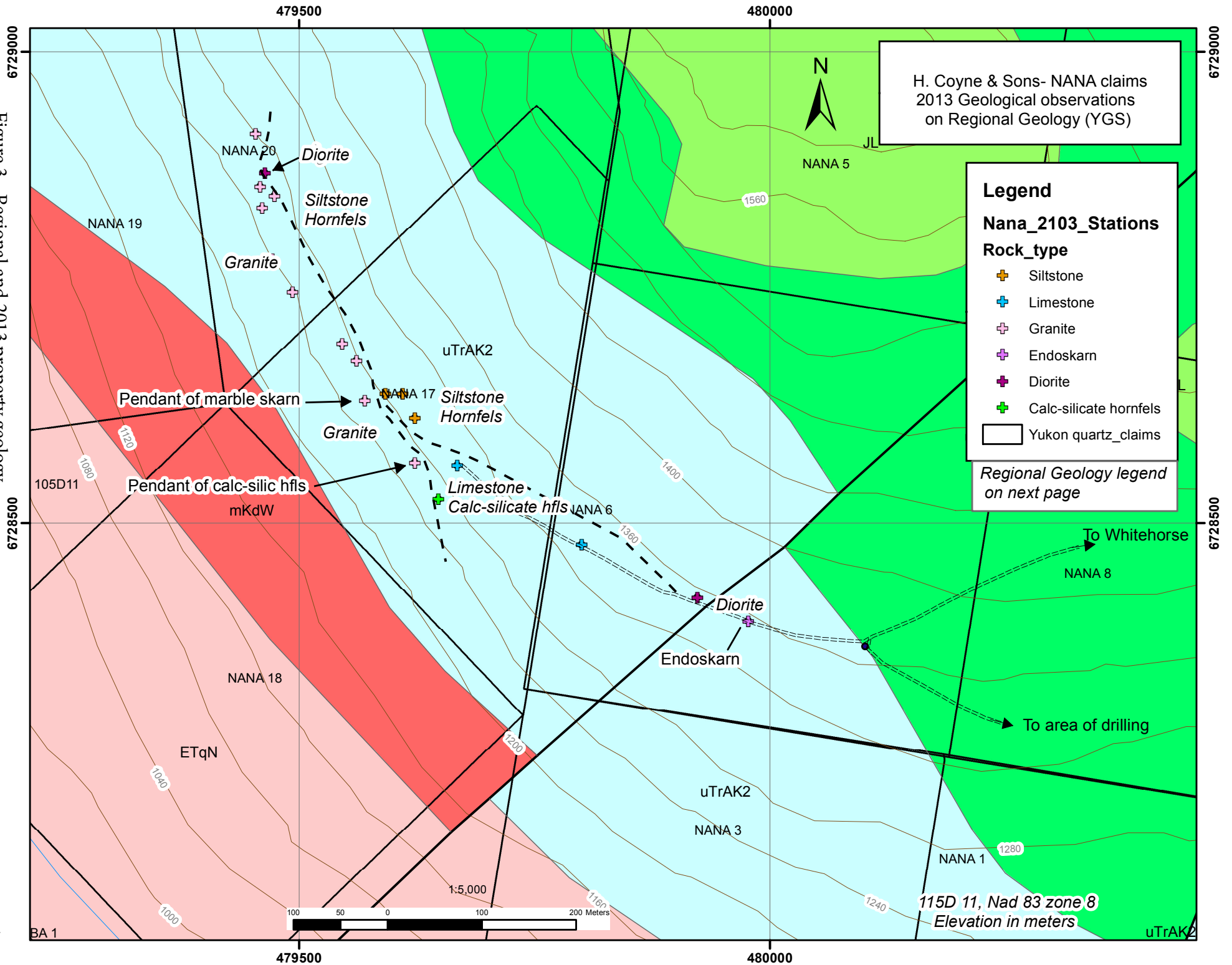


Figure 3 - Regional and 2013 property geology



H. Coyne & Sons- NANA claims  
2013 Geological observations  
on Regional Geology (YGS)

**Legend**

**Nana\_2103\_Station**

**Rock\_type**

- + Siltstone
- + Limestone
- + Granite
- + Endoskarn
- + Diorite
- + Calc-silicate hornfels
- Yukon quartz\_claims

*Regional Geology legend on next page*

115D 11, Nad 83 zone 8  
Elevation in meters

AGE	UNIT	NAME	DESCRIPTION
MIOCENE TO PLIOCENE	MPMC	MPMC: MILES CANYON	dark red to brown weathering, columnar jointed olivine basalt flows, commonly amygdaloidal and vesicular; ultramafic xenoliths ( <b>Miles Canyon Basalt</b> )
EARLY TERTIARY	ETqN	ETN: NISLING RANGE SUITE	leucocratic, biotite granite; miarolitic alaskite; saccharoidal textured, mafic-poor biotite granite; biotite-hornblende granite to leucocratic granodiorite with sparse, white, alkali feldspar phenocrysts; biotite quartz monzonite ( <b>Nisling Range Suite, Nisling Range Alaskite, Coffee Creek Granite, Annie Ned Granite</b> )
MID- CRETACEOUS	mKdW	mKW: WHITEHORSE SUITE	hornblende diorite, biotite-hornblende quartz diorite and mesocratic, often strongly magnetic, hypersthene-hornblende diorite, quartz diorite and gabbro ( <b>Whitehorse Suite, Coast Intrusions</b> )
LOWER AND MIDDLE JURASSIC, HETTANGIAN TO BAJOCIAN	JL	JL: LABERGE	poorly sorted, medium bedded to massive arkosic sandstone and minor shale with interbeds and thick members of resistant heterolithic pebble and boulder conglomerate; recessive, dark brown weathering, thin bedded, dark brown to greenish, silty shale ( <b>Laberge Gp.</b> )
UPPER TRIASSIC, CARNIAN TO NORIAN	uTrAK	uTrAK: AKSALA	mixed clastic-carbonate assemblage divisible into three dominant facies including calcareous greywacke (1), locally thick carbonate (2) and red-coloured clastics (3) ( <b>Aksala</b> )
UPPER TRIASSIC, CARNIAN TO NORIAN	uTrAK2	uTrAK: AKSALA	massive to thick bedded limestone; minor thin bedded argillaceous to sooty limestone; coarsely crystalline, massive dolostone; minor laminated chert; massive to poorly bedded, limestone conglomerate debris flows and fanglomerate ( <b>Hancock mb. of Aksala</b> )
UPPER TRIASSIC, CARNIAN TO NORIAN	uTrAK3	uTrAK: AKSALA	red weathering, medium bedded, green and red greywacke and pebble conglomerate; red shale partings and minor interbedded, red, bioturbated siltstone; crystal-rich greywacke and shale; coarse-grained, tan to brown, massive, lithic arenite ( <b>Mandanna mb. of Aksala</b> )

FIGURE 4 - LEGEND REGIONAL GEOLOGY (FROM YGS WEBSITE)

## PREVIOUS WORK

The area has seen several phases of exploration work targeting skarn mineralization, with the earliest reference dating from 1972. These work programs are not summarized here but a complete reference list of assessment reports is listed in the Reference section. The historical work in the area is summarized in Minfile 105D 076 (Appendix C).

A cursory review of historical work shows that calc-silicate (actinolite-diopside) skarn and magnetite skarn occur on the property, with the highest Au and Cu grades being associated with the calc-silicate skarn. Bismuthinite has been reported or assumed to be the source of the anomalous bismuth values.

Previous work consists of several phases of magnetic and geochemical surveys followed up by trenching and drilling. Most of the work has been focused on the area now covered by the Nana 1 to 8 claims. Very little work appears to have been conducted over the Nana 17 to 26 claims, the focus of this investigation.

The previous work relevant to this report is summarized in Figure 5. The yellow lines show the roads, trenches and access to drilled areas, where the bulk of the exploration work has taken place. The orange stippled line defines the approximate outline of the 1975 magnetic survey. The light blue dashed line represents the approximate location of a copper soil anomaly (1974), with soils grading > 80 ppm Cu. This anomaly appears to be open to the west- northwest. Both these surveys barely spill over into the area covered by claims Nana 17 to 26. One percussion hole (in 2000) on then claim Marie-4 (coinciding with claim Nana 18?) returned values of 7.9% Cu, 286 ppm Ag, and 1935 ppb Au. One drill hole was reported at northern end of area of interest, located on Nana 23. All the other work was done outside of this area of interest.

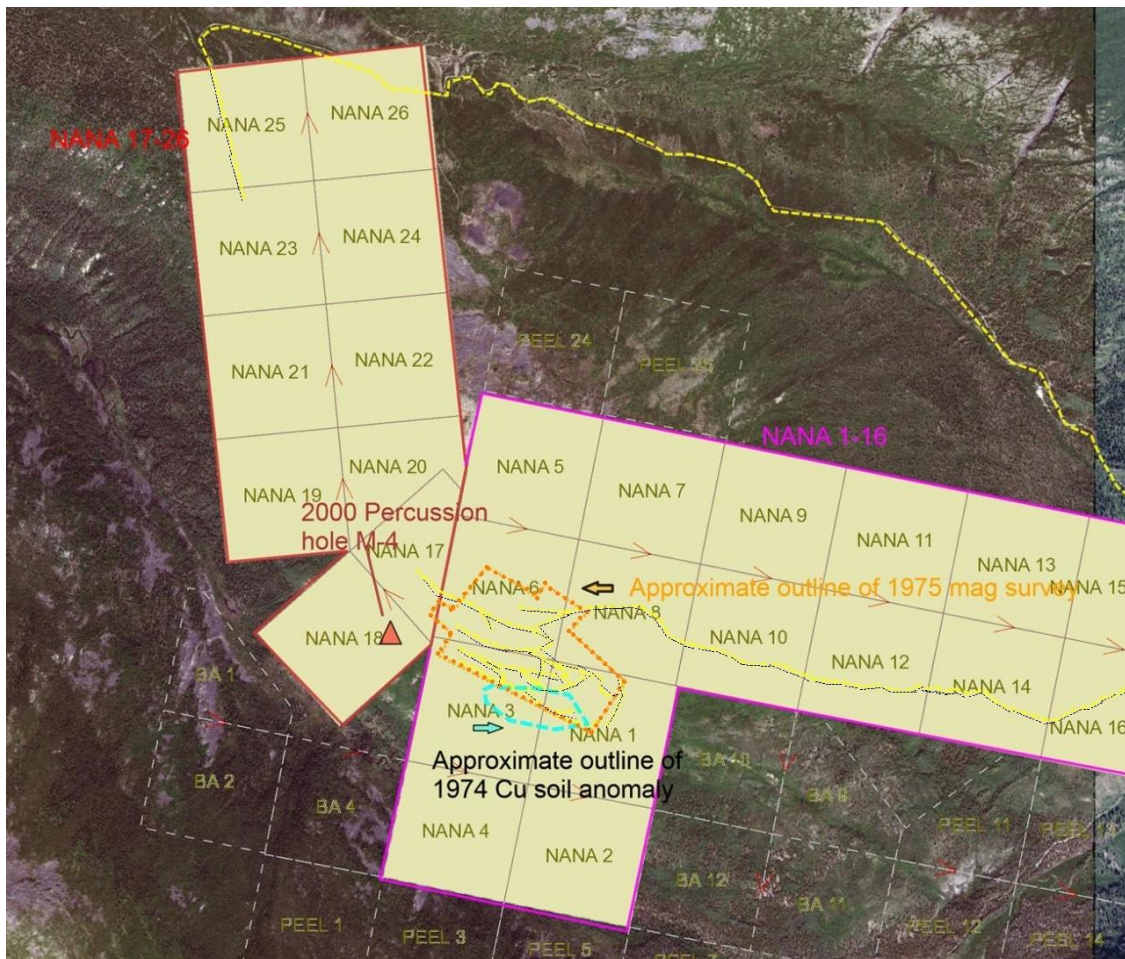


FIGURE 5- PREVIOUS WORK RELEVANT TO CLAIMS NANA 17 TO 26



## 2013 SURVEY

### DESCRIPTION OF WORK

A preliminary traverse was planned with the goal of soil sampling downhill from the diorite (mKDW)/ limestone (uTrAK2) contact on claims Nana 17 to 26, as displayed on the regional geology map, in order to investigate potential skarn mineralization along this portion of the contact, which appeared to be under-explored on this portion of the property.

The topography is very steep, with slopes in the order of 30 to 45 degrees. Most of the ground traversed consisted of a vegetated talus slope (willows) with some outcrop, which yielded organic soils but very little mineral soils or talus fines. Progress was slow and the resulting traverse much shorter than planned. Three soil samples and two rock samples were sent for assay, sample information is listed below in Table 2 . Extensive cliffy outcrops were observed further up the hill but were not investigated.

Geological information was collected and is overlain on top of the regional geology map in Figure 3. The sample location map is shown in Figure 6. Assay results are listed in Appendix E.

Property	Year	Sample type	Sample number	UTM_E	UTM_N	Sample_info	Description
Nana	2013	rock	B666369	479612	6728637	rock_outcrop	rusty weathering siltstone to sandstone cut by sheeted thin discordant, mm to cm, pale veinlets with rusty core (fg py-po?), 1 per 5-10cm
Nana	2013	rock	B666370	480233	6728436	rock_float	strongly limonitic diorite (?) w vfg diss py (1%?)
Nana	2013	soil	J971950	479465	6728871	talus fines	
Nana	2013	soil	J971951	479454	6728913	talus fines	
Nana	2013	soil	J971952	479570	6728630	talus fines	

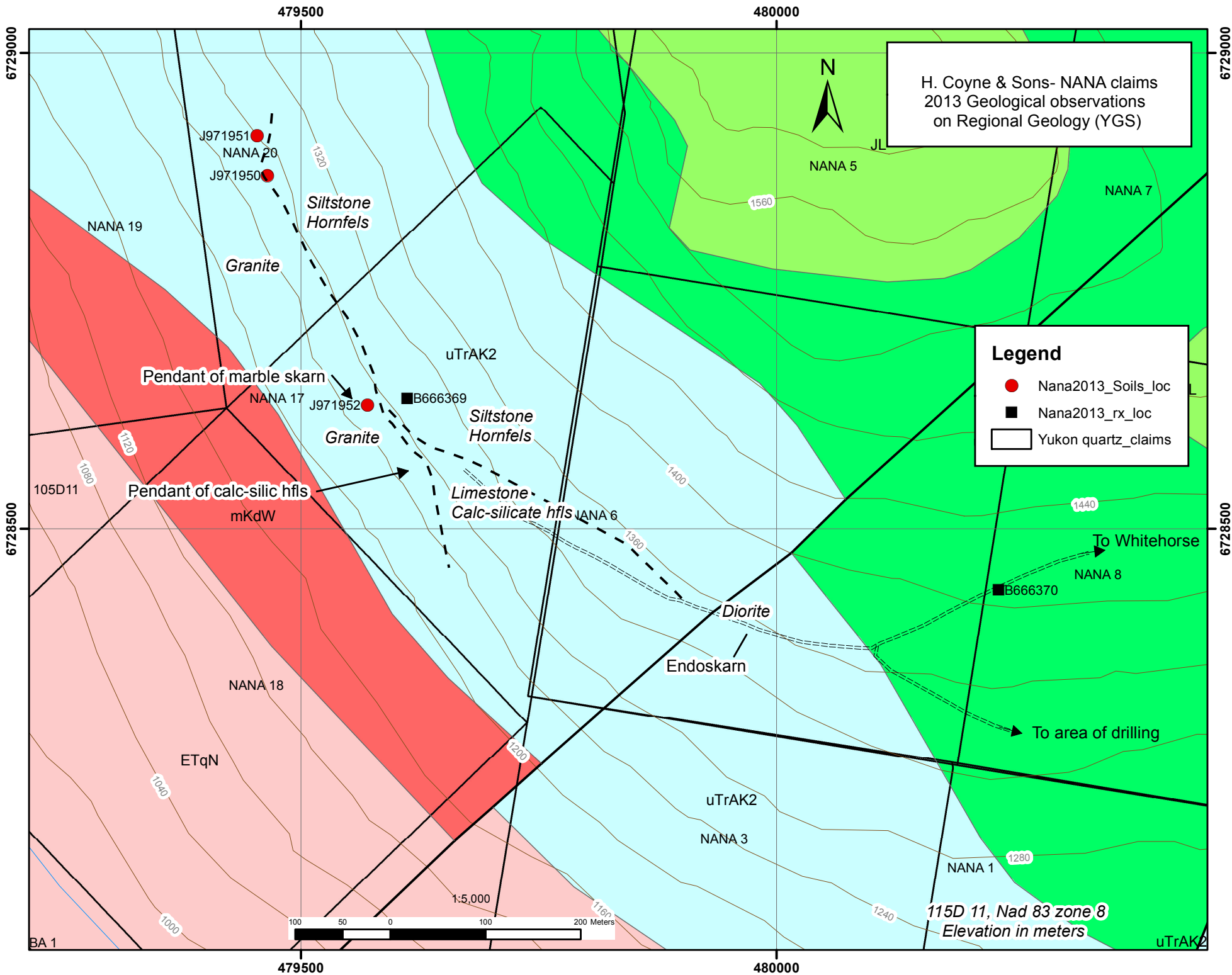
TABLE 2- SAMPLE LOCATION DATA

### METHODOLOGY

For both soil and rock samples, GPS location data was recorded in a notebook, samples bags were marked with a sample number and the corresponding sample tag was inserted in the bags. Samples were brought to Whitehorse and shipped directly to ALS Minerals' sample prep facility in Whitehorse.

Soil samples were prepped according to prep code 41, where the samples were dried at <60°C/140F, sieved to -180 micron (80 mesh) and both fractions retained. Rock samples were prepped according to code PREP-31, by which samples were crushed to 70% less than 2mm, with riffle split off 250g, and the split pulverized to better than 85% passing 75 microns.

Figure 6 - Sample Location Map



All samples were then assayed using the AU-ICP21 fire assay and the ME-ICP41 multi-element package using an aqua regia digestion and conventional ICP-AES analysis.

## RESULTS

Geological information was collected and is overlain on top of the regional geology map in Figure 3. According to this preliminary investigation, the following features are highlighted:

- Where observed, the limestone and siltstone of the Hancock member of the Aksala Formation are intruded, and skarned, by the Tertiary granite, and not by the Cretaceous diorite as displayed in the regional geology map.
- The granite/ sediment contact is 300 to 400 m northeast (uphill) of where it is mapped on the regional geology map.
- Skarnification has been observed in sedimentary pendants along this contact (see Figure 7 below). Some skarn has also been observed in float suggesting more skarn mineralization uphill from the traverse line.
- The granite is cut by some mafic dykes/ sills.
- Some minor fine grained intrusion has been observed in places at or near the granite/ sediment contact, it may be the Cretaceous diorite. Its distribution may be more extensive elsewhere on the property.
- There is possibly more than one lens of limestone, as some was observed (interpreted) from afar further up the cliff.

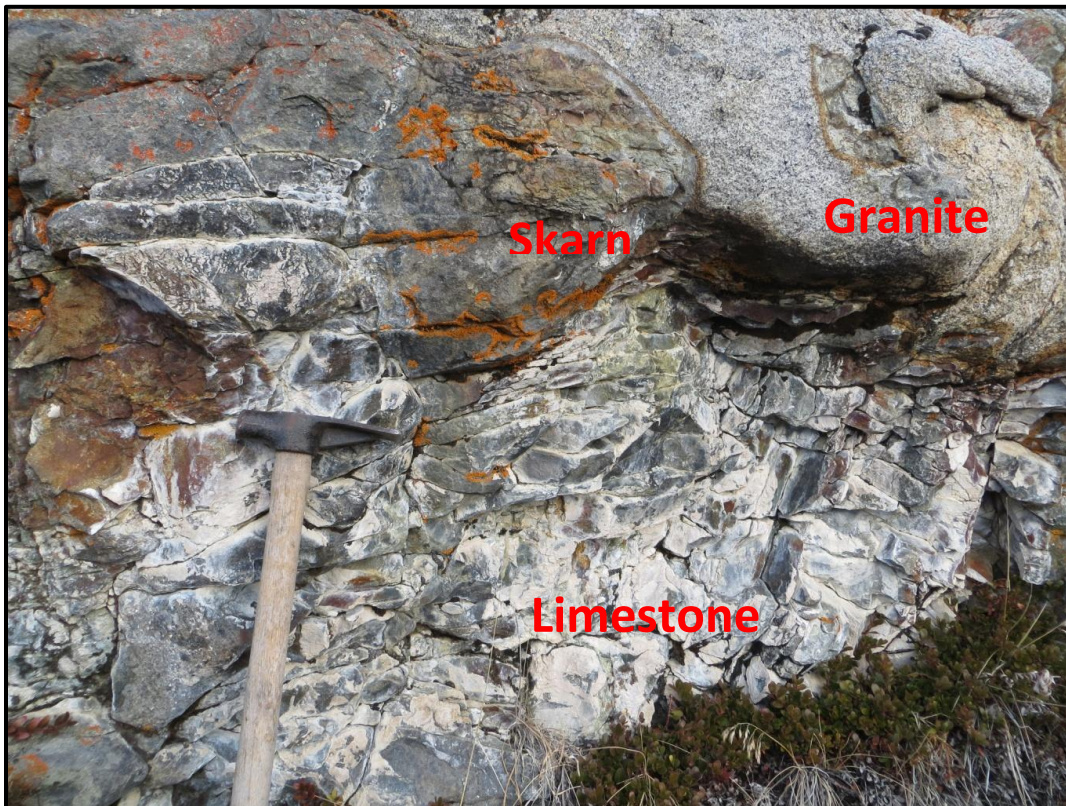


FIGURE 7- LIMESTONE PENDANT IN GRANITE

- Rusty hornfelsed siltstone is cut by sheeted veins with cores of fine grained sulphides (sample B666369, Figure 8 below). No significant results were obtained.



FIGURE 8 SHEETED VEIN WITH RUSTY CORE IN HORNFELED SILTSTONE

- Soil sample J971950 returned the most significant soil result at 114 ppm Cu.
- No other significant results were obtained.

## CONCLUSIONS AND RECOMMENDATIONS

A very short field traverse targeted a contact prospective for skarn mineralization, in an area apparently underexplored. Ground-truthing the regional geology confirmed the presence of skarn mineralogy along and near the contact between the Aksala Fm, Hancock member, and the Tertiary granite, and also refined the position of this contact. No sulphides were found in the few skarn occurrences observed. The Cretaceous diorite does not appear to be as extensive as what is outlined on the regional geology map, at least not on claims Nana 17 to 19. More detailed investigation is needed.

Steep and bouldery ground conditions provided challenging terrain with poor mineral soil development. Of the three soil samples and two rock samples assayed, one soil sample was anomalous, grading 114 ppm Cu.

Since claims 17 to 26 appear to have received little attention, and in light of the fact that the prospective contact for skarn mineralization does occur on this portion of the property, the following work is recommended:

- Compilation and careful registration/ georeferencing of historical work and data gap analysis, groundtruthing of location of historical work.
- Where previous work is lacking: geological investigation and prospecting to determine optimum position for a soil and mag grid with lines oriented NE/ SW, straddling the intrusive contact(s) with limestone/siltstone sequence. Careful soil geochemical and magnetometer surveys on 100 to 200m-spaced lines. The upper portions of the ridge are well exposed but the lower reaches are vegetated and outcrop is present but not obvious. Soil development is poor on the bouldery slopes and soil coverage may be incomplete. A mag survey would therefore be useful to indirectly map out potential mineralized zones. Although the documented high grade mineralization is not always associated with magnetite skarn, the calc-silicate skarn often occurs near the magnetite skarn. Additional work would be contingent on results.

*Signed, in Whitehorse, November 14, 2013*

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Danièle Héon, P. Geo.

## STATEMENT OF QUALIFICATIONS

I, Danièle Héon, of:

12 Marigold Place  
Whitehorse, Yukon  
Y1A 6A2

do hereby declare that;

- I am an independent contracting geologist.
- I graduated with a Bachelor of Science degree from McGill University in Montréal in 1984.
- I have worked as a geologist since graduation from University and in the Yukon since 1990.
- I am a member in good standing of the Ordre des Géologues du Québec (OGQ), no. 1510, and of the Association of Professional Engineers and Geoscientists of BC (APEGBC), no. 38518.
- I have done the fieldwork described herein.
- I am the author of this report.
- This report is intended to satisfy assessment requirements only.

Danièle Héon, P. Geo.

## REFERENCES

- Boggaram, G., 1973, Drill logs Lunar property, holes 1 to 4, assessment report 091127.
- Clarke, J., 1997, Assessment report for the exploration work on the Nana 1-4 quartz mining claims, for Sid McKeown, assessment report 093896.
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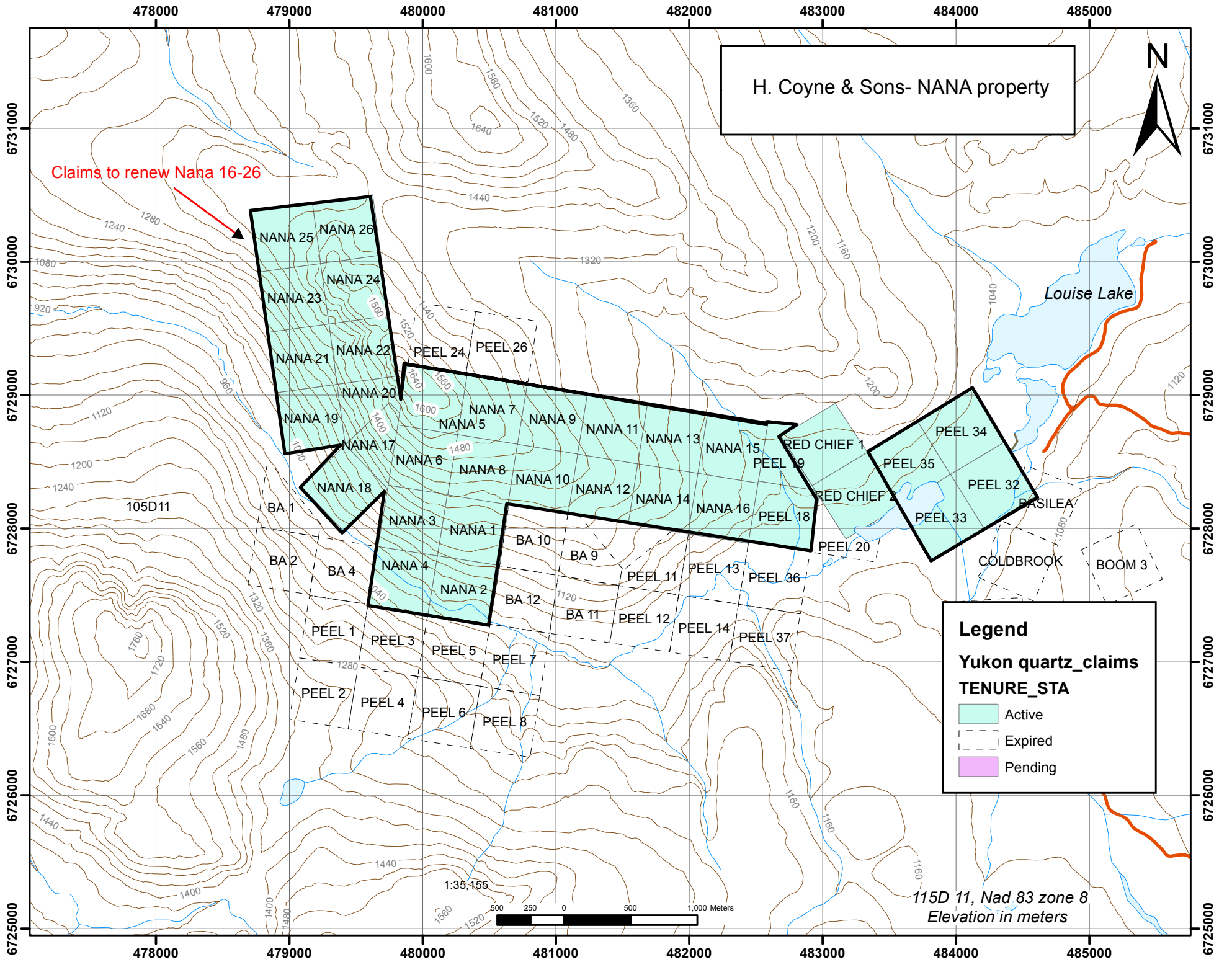
Digital data as provided by the Yukon Geological Survey and government agencies, in particular:

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- Mineral Claims (Yukon Mining Recorder) <http://www.yukonminingrecorder.ca/>
- Geomatics Yukon for regional shape file data: <http://geomaticsyukon.ca/data/datasets>
- Yukon Geological Survey, 2011. YGS Mapmaker online <http://maps.gov.yk.ca/imf.jsp?site=YGS>

**APPENDIX A- CLAIM MAP**





**APPENDIX B- CLAIM DATA**

Nana Claims

Claim data

District	Grant Number	Claim Name	Claim Numb	Claim Owner	Claim Expiry Date	New Expiry date	Status	NTS Map Number
Whitehorse	YB57721	NANA	1	Sid McKeown - 50%, H. Coyne & Sons Ltd. - 50%	11/20/2015		Active	105D11
Whitehorse	YB57722	NANA	2	Sid McKeown - 50%, H. Coyne & Sons Ltd. - 50%	11/20/2015		Active	105D11
Whitehorse	YB57723	NANA	3	Sid McKeown - 50%, H. Coyne & Sons Ltd. - 50%	11/20/2015		Active	105D11
Whitehorse	YB57724	NANA	4	Sid McKeown - 50%, H. Coyne & Sons Ltd. - 50%	11/20/2015		Active	105D11
Whitehorse	YC54395	NANA	5	Sid McKeown - 50%, H. Coyne & Sons Ltd. - 50%	11/20/2015		Active	105D11
Whitehorse	YC54396	NANA	6	Sid McKeown - 50%, H. Coyne & Sons Ltd. - 50%	11/20/2015		Active	105D11
Whitehorse	YC54397	NANA	7	Sid McKeown - 50%, H. Coyne & Sons Ltd. - 50%	11/20/2015		Active	105D11
Whitehorse	YC54398	NANA	8	Sid McKeown - 50%, H. Coyne & Sons Ltd. - 50%	11/20/2015		Active	105D11
Whitehorse	YC54399	NANA	9	Sid McKeown - 50%, H. Coyne & Sons Ltd. - 50%	11/20/2015		Active	105D11
Whitehorse	YC54400	NANA	10	Sid McKeown - 50%, H. Coyne & Sons Ltd. - 50%	11/20/2015		Active	105D11
Whitehorse	YC54401	NANA	11	Sid McKeown - 50%, H. Coyne & Sons Ltd. - 50%	11/20/2015		Active	105D11
Whitehorse	YC54402	NANA	12	Sid McKeown - 50%, H. Coyne & Sons Ltd. - 50%	11/20/2015		Active	105D11
Whitehorse	YC54403	NANA	13	Sid McKeown - 50%, H. Coyne & Sons Ltd. - 50%	11/20/2015		Active	105D11
Whitehorse	YC54404	NANA	14	Sid McKeown - 50%, H. Coyne & Sons Ltd. - 50%	11/20/2015		Active	105D11
Whitehorse	YC54405	NANA	15	Sid McKeown - 50%, H. Coyne & Sons Ltd. - 50%	11/20/2015		Active	105D11
Whitehorse	YC54406	NANA	16	Sid McKeown - 50%, H. Coyne & Sons Ltd. - 50%	11/20/2015		Active	105D11
Whitehorse	YC66377	NANA	17	Sid McKeown - 50%, H. Coyne & Sons Ltd. - 50%	11/20/2013	11/20/2015	Active	105D11
Whitehorse	YC66378	NANA	18	Sid McKeown - 50%, H. Coyne & Sons Ltd. - 50%	11/20/2013	11/20/2015	Active	105D11
Whitehorse	YC66711	NANA	19	Sid McKeown - 50%, H. Coyne & Sons Ltd. - 50%	11/20/2013	11/20/2014	Active	105D11
Whitehorse	YC66712	NANA	20	Sid McKeown - 50%, H. Coyne & Sons Ltd. - 50%	11/20/2013	11/20/2015	Active	105D11
Whitehorse	YC66713	NANA	21	Sid McKeown - 50%, H. Coyne & Sons Ltd. - 50%	11/20/2013	11/20/2014	Active	105D11
Whitehorse	YC66714	NANA	22	Sid McKeown - 50%, H. Coyne & Sons Ltd. - 50%	11/20/2013	11/20/2014	Active	105D11
Whitehorse	YC66715	NANA	23	Sid McKeown - 50%, H. Coyne & Sons Ltd. - 50%	11/20/2013	11/20/2014	Active	105D11
Whitehorse	YC66716	NANA	24	Sid McKeown - 50%, H. Coyne & Sons Ltd. - 50%	11/20/2013	11/20/2014	Active	105D11
Whitehorse	YC66717	NANA	25	Sid McKeown - 50%, H. Coyne & Sons Ltd. - 50%	11/20/2013	11/20/2014	Active	105D11
Whitehorse	YC66718	NANA	26	Sid McKeown - 50%, H. Coyne & Sons Ltd. - 50%	11/20/2013	11/20/2014	Active	105D11
Whitehorse	YB66841	PEEL	18	Sid McKeown - 50%, H. Coyne & Sons Ltd. - 50%	11/20/2015		Active	105D11
Whitehorse	YB66842	PEEL	19	Sid McKeown - 50%, H. Coyne & Sons Ltd. - 50%	11/20/2015		Active	105D11
Whitehorse	YB66855	PEEL	32	Sid McKeown - 50%, H. Coyne & Sons Ltd. - 50%	11/20/2015		Active	105D11
Whitehorse	YB66856	PEEL	33	Sid McKeown - 50%, H. Coyne & Sons Ltd. - 50%	11/20/2015		Active	105D11
Whitehorse	YB66857	PEEL	34	Sid McKeown - 50%, H. Coyne & Sons Ltd. - 50%	11/20/2015		Active	105D11
Whitehorse	YB66858	PEEL	35	Sid McKeown - 50%, H. Coyne & Sons Ltd. - 50%	11/20/2015		Active	105D11

**APPENDIX C- MINFILE**

**MINFILE:** 105D 076  
**PAGE:** 1 of 3  
**UPDATED:** 2004/08/11

**YUKON MINFILE  
YUKON GEOLOGICAL SURVEY  
WHITEHORSE**

**MINFILE:** 105D 076  
**NAME:** JACKSON  
**STATUS:** DRILLED PROSPECT  
**TECTONIC ELEMENT:** WHITEHORSE TROUGH  
**DEPOSIT TYPE:** Cu Skarn

**NTS MAP SHEET:** 105D\11  
**LATITUDE:** 60° 41' 24" N  
**LONGITUDE:** 135° 21' 52" W

**OTHER NAME(S):** GROUSE  
**MAJOR COMMODITIES:** COPPER, GOLD  
**MINOR COMMODITIES:** BISMUTH, SILVER  
**TRACE COMMODITIES:** LEAD, MOLYBDENUM

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**CLAIMS (PREVIOUS & CURRENT)**

BA, BEAVER, DIANNE, FALCON, GEAR, GROUSE, MARIE, NANA, PEEL, PROCTOR, RAVEN, RUTH

**WORK HISTORY**

Staked as Grouse cl 1-4, and cl 7-14 (Y63484) in Jul/70 by S. Takacs and E. Kreft, who added small blocks of fringe claims annually, including Gear cl 1-6 (Y91133) in Sep/74. Explored with hand trenching and bulldozer trenching in 1970-72; with geological mapping, magnetic surveying and 6 drill holes (445 m) by New Jersey Zinc Corporation Ltd (Grouse #4 and Ray #2 claims) under a brief option in 1972; and with more mapping, geochemical surveys and bulldozer trenching in 1974, a magnetic survey and 6 drill holes (427 m) on the Gear claims in 1975 and 4 drill holes (472.4 m) in 1976 by Whitehorse Copper Mines Ltd under option. Takacs drilled one hole (34.7 m) in 1979, 6 holes (36.0 m) in 1981, trenched in 1982, drilled 3 holes (92.4 m) in 1983, trenched and drilled 3 holes (35 m) in 1984 and added the Raven cl 1-2 (YA93376) to the south in Sep/85. Kreft tied on the Ruth cl 1-4 (YA94118) and Beaver cl 1 (YA93146) in Aug/85 and Jan/86, respectively, and together with Takacs performed geological mapping, bulldozer trenching and drilled 4 holes (455 m) on the Ruth claims. A. Olsson staked Dianne cl 1-3 (YB27625) in Jul/90 and trenched in 1991.

S.J. Takacs restaked the occurrence as Marie cl 1-4 (YB37478) in Sep/92. The Falcon cl 1-10 (YB46474) were staked nearby by R. Voisine in Oct/93. In Jul/95 D. Olsson staked Dianne cl 1-3 (YB57989) 1.5 km northwest of the Marie claims.

S. McKeown staked Nana cl 1-4 (YB57721) 1 km to the southeast in Jun/95 and Protector cl 1-4 (YB58180) 1.5 km to the east (midway between this occurrence and Minfile Occurrence #105D 079) in Sept/95. In May/96 Pacific Galleon Mining Corp optioned the Nana and Protector claims from McKeown and staked Ba cl 1-10 (YB66861) and Peel cl 1-37 (YB66824). In Jul/96 McKeown carried out trenching, rock geochemical sampling and grid development on the Nana and Protector claims.

In the summer of 1996 Pacific Galleon Mining Corp completed a data compilation, reconnaissance prospecting and soil geochemistry program over their claim holdings. In May/98 ownership of the Ba and Peel claims was transferred to B. Carter who carried out prospecting

and geochemical (rock and soil) sampling with B. Scott, before subsequently transferring title to Scott in Sep/98.

In Sep/99, Scott transferred ownership of the Ba, Peel and Marie (previously transferred to him by Takacs in Oct/97) claims to McKeown who immediately carried out trenching (Protector cl 3), reclamation (Red Chief cl 2) and soil geochemical sampling (Nana cl 1, 2 and Ba cl 7, 8).

During 2000, McKeown carried out road rehabilitation and resampling of historic trenching on Ba cl 14; relocated and resampled trenches and core stored at old drill sites on Ba cl 7 and 8; and carried out road work and hand held percussion drilling (no specifics) on Marie cl 4.

## **GEOLOGY**

An actinolite-diopside-magnetite skarn up to 30 m thick occurs at the contact between Upper Triassic Lewes River Group limestone and siltstone, and various phases of a mid Cretaceous or younger intrusion. Trenching exposed a 9.8 m wide zone that strikes north, dips vertically and contains minor pyrrhotite, pyrite, chalcopyrite and bornite which assayed 0.39% in a chip sample. The best intersection in the 1972 drilling was 0.26% Cu, 6.9 g/t Ag and 0.17 g/t Au across 0.76 m. An intersection of 5.6% Cu & 270.8 g/t Ag across 6 m was obtained in one 1975 hole but the others were essentially barren. One of the 1976 holes cut bismuthinite in actinolite skarn, which assayed 5.8% Bi and 85.7 g/t Au across 0.4 m and 0.75% Bi, 9.9 g/t Au and 6.9 g/t Ag across 4.6 m. Assays of up to 0.55 g/t Au and 34.6 g/t Ag over 0.3 m of magnetite skarn were reported from the 1983 drilling. The 1986 drilling did not intersect any significant gold values but one hole did contain minor copper, zinc and tungsten mineralization. (The majority of previous drilling was centred around the present day Nana claims.)

S. McKeown staked the Nana and Protector claims in part to cover dimension stone deposits. Pacific Galleon Mining Corp concentrated their efforts in the centre and western portions of their claim holdings. Soil sampling outlined anomalous Au, Cu and As values in the area of previous drilling success. A single-sample low order gold in soil anomaly (53 ppb) was identified in the central part of the claim block. The sample also contained elevated concentrations of Cu and As. McKeown's work failed to detect any additional mineralization during sampling in 1996. Grab sampling by Scott in 1998 in the vicinity of old workings, confirmed previous results and returned gold values up to 1 343 ppb Au from the Ba cl 8. Sampling completed by McKeown in 1999 was not submitted for analysis.

Selective and limited sampling of historic core in 2000 returned anomalous copper values from two skarnified sections of core located on Ba cl 7 (5 175 ppm and 64 078 ppm) although no description of the core sampled was provided. A separate sample of weakly calcareous skarn or hornfels, collected on Ba cl 8 from core taken from DDH KT-8, returned 40 140.9 ppb Au with 38 591 ppm Bi and anomalous levels of Mo, Cu and Pb. Samples of variably mineralized skarn and quartz-sulfide veins from the trench on Ba cl 14 returned high values for copper and gold, with peak values of 62 957 ppm and 18 138.4 ppb respectively. A single sample of sulfide rich material from Marie cl 4 returned 79 034 ppm Cu with 1 935.2 ppb Au and 286 ppm Ag.

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**APPENDIX D- STATEMENT OF EXPENDITURES**



Nana claims  
fieldwork October 31 2013

*Expenditures (incl GST)*

truck	105.00
geologist fieldwork (0.75 day)	511.88
assays	206.02
report and filing (0.75 day)	511.88
printing	35.00
<u>Total</u>	<u>1,369.78</u>

Signed in Whitehorse,  
Wednesday November 13, 2013

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Danièle Héon, P.Ge

**APPENDIX E- ASSAY CERTIFICATES**

See Data Folder for Secured Assay Certificates