

BC Geological Survey
Assessment Report
32043

Prospecting Report On the Nat Group Of Mineral Claims

MTO Tenure#'s
530678,5306795,81489,581603,581606,
582004,607109,607364,625823
Event # 4531151

Omineca Mining Division
Map Sheet #
093M
025/026
035/036

For
Logan Miller-Tait

By
Chris Warren and Lorne Warren
CJL Enterprises Ltd.
Smithers B.C.
March, 2010

Summary

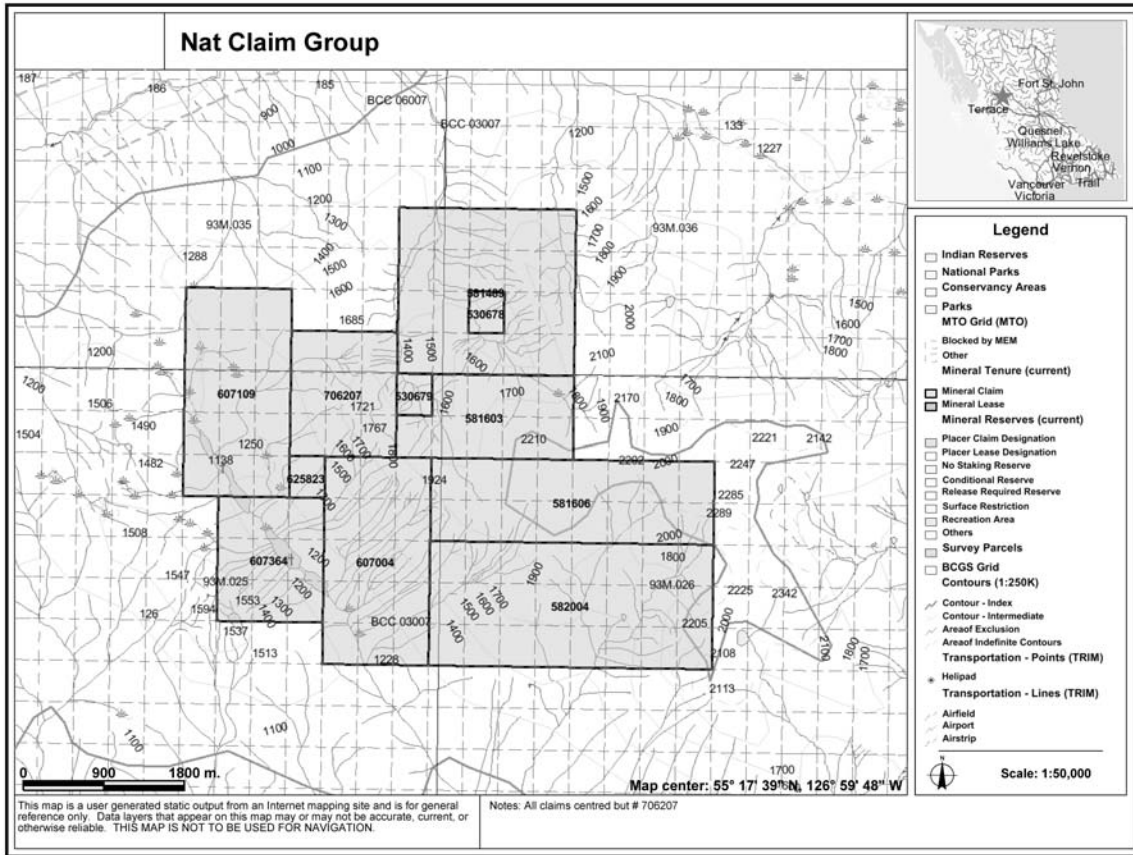
The Nat Group of claims are centered on Mt. Netalzul, Hazelton Map area 93M in the Omineca Mining Division, north central British Columbia. From July 15 through July 24th 2009 Mark Ralph and Ken Johnson spent a total of eighteen man days on the project prospecting the contacts between the Bowser Lake sediments that have been intruded by granodiorite Bulkley intrusions. Hazelton volcanics were also noted to the southern boundary.

A total of 48 rock samples, 6 silt samples, and 20 soil samples were taken. Only 22 rock samples and the 6 silt samples were assayed (Fig#) the remaining samples are stored at CJL Enterprises Ltd. Smithers B.C.. The most interesting assay came from sample NATMR006 which assayed >10,000 ppm Cu, >10,000 ppm Pb, >100 ppm Ag, 930ppm As, 2597.9 ppb Au, >2000 ppm Cd, >2000 ppm Sb from what appears to be a fracture controlled shear zone in granodiorite.

Location and Access

The Nat Group is centered around 55 degree 17 min 39 sec. North 126 degrees 59 min 48 sec. West in North Central BC on Map sheets 93M025,026,035,036. The claims are located between the Suskwa River and Harold Price Creek 40 km east of the Village of Hazelton.

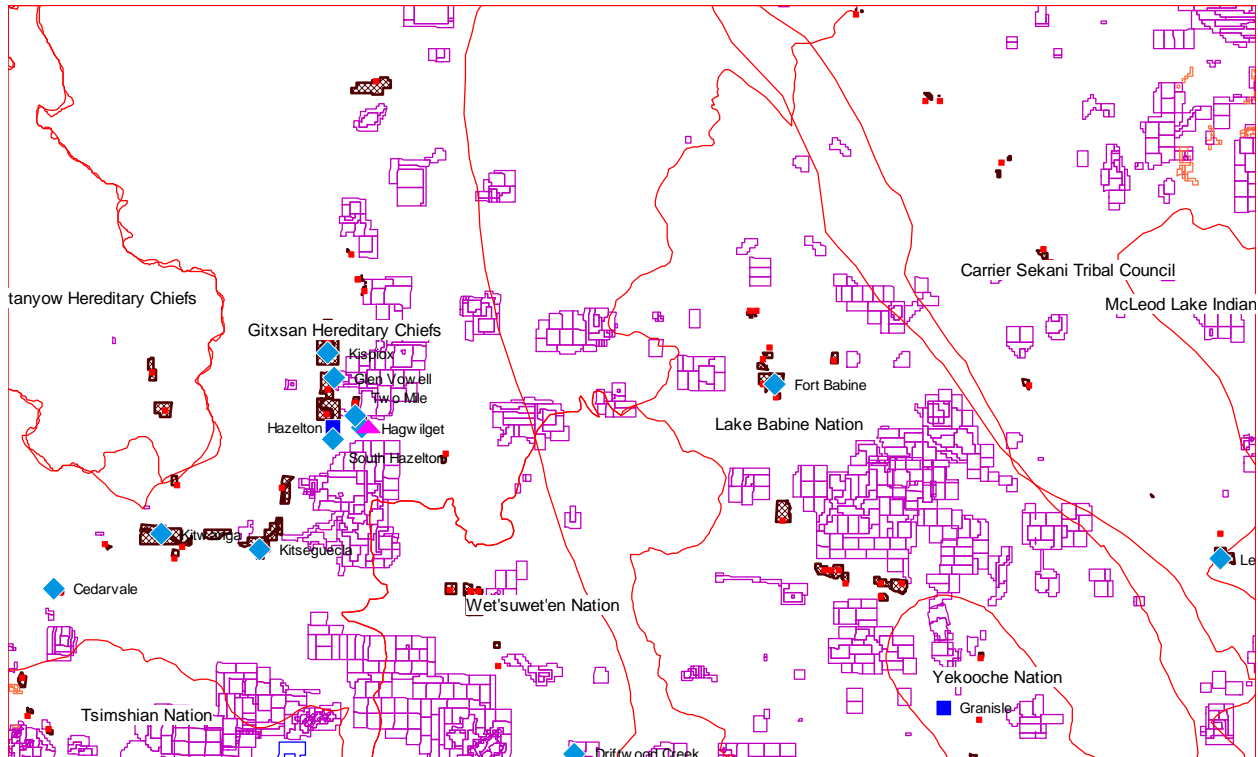
Access is via the highway 16 to the Suskwa FSR to 17 km then on an old cat trail via quad onto the property. The majority of the claims are only accessible via helicopter from Smithers 70 km south west. A good number of quad trails, decommissioned logging roads, game trails, hiking trails, cat trails are found throughout the property due to the long history of exploration and resource development in the area.



Ownership

Tenure Number	Claim Name	Owner	Tenure Type	Tenure Sub Type	Map Number	Issue Date	Good To D
581489	HIGGINMUFF	118446 (100%)	Mineral	Claim	093M	2008/apr/16	2011/apr/16
581603	DAISYCORNER	118446 (100%)	Mineral	Claim	093M	2008/apr/17	2011/apr/17
581606	DAISYDUKE PUSHING	118446 (100%)	Mineral	Claim	093M	2008/apr/17	2011/apr/17
582004	DAISY	118446 (100%)	Mineral	Claim	093M	2008/apr/19	2011/apr/19
607004	SLOPE	118446 (100%)	Mineral	Claim	093M	2009/jul/04	2011/jul/04
607109	ELLEN SLOPE	118446 (100%)	Mineral	Claim	093M	2009/jul/07	2011/jul/07
607364	FIERY DAISY	118446 (100%)	Mineral	Claim	093M	2009/jul/09	2011/jul/09
530678	HIGGINS	118446 (100%)	Mineral	Claim	093M	2006/mar/28	2011/mar/28
530679	DAISY	118446 (100%)	Mineral	Claim	093M	2006/mar/28	2011/mar/28

First Nations Interests



The majority of the property lies within the traditional territory of the Ksan hereditary chiefs of north central B.C.. a group know as the Suskwa Chiefs claim the area to the head waters of the Suskwa River on the east of the head waters is the traditional territory of the Lake Babine Nation. Within 5 km to the east of the boundary is the traditional territory of the Wetseweten. The Suskwa chiefs and the Lake Babine nation were both notified of activities on their respective territories. (Nat Group is located in the Center of the map)

Regional Geology

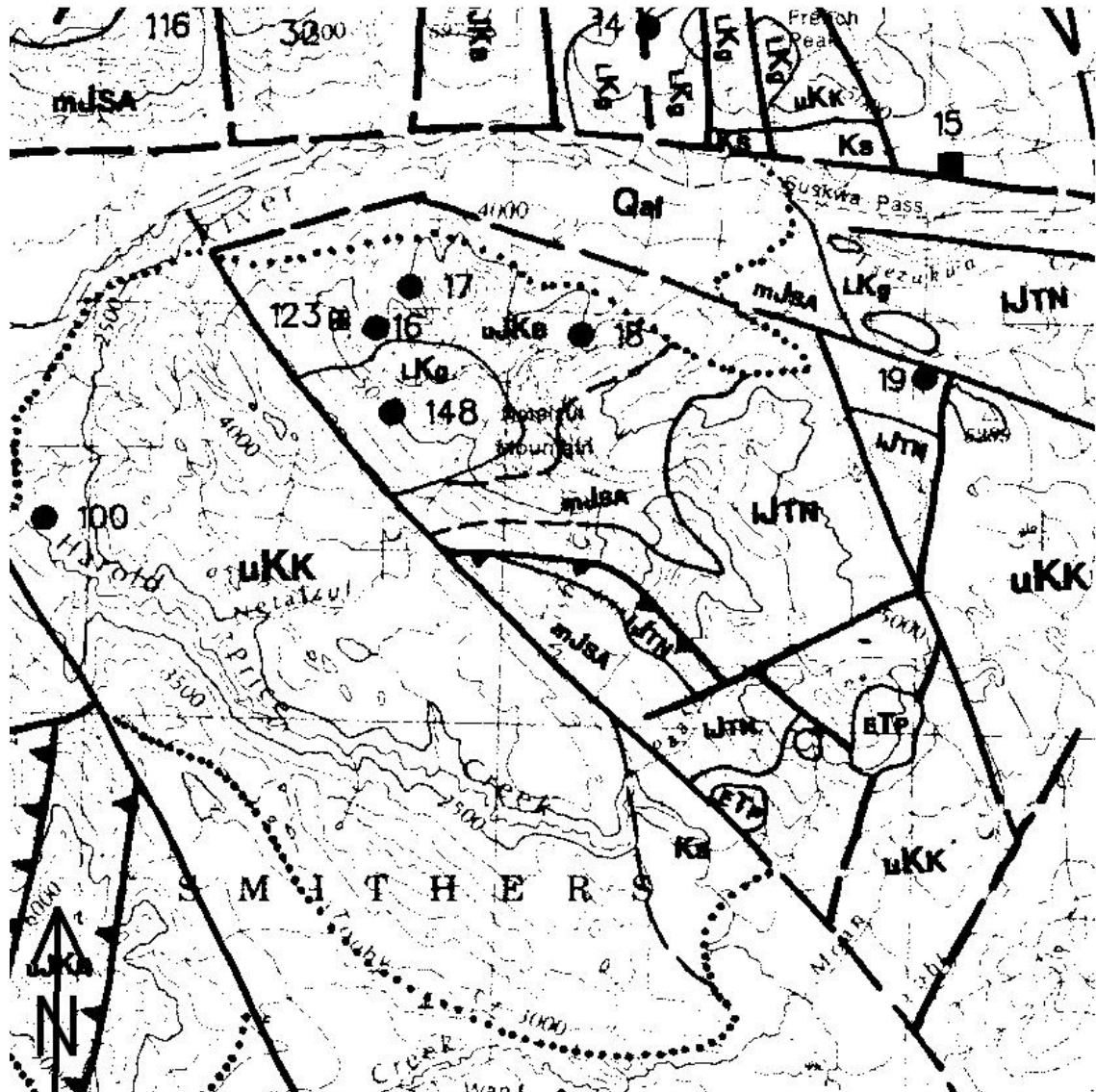
The property is situated in the central part of the Intermountain Belt of the Canadian Cordillera. It is located along the Skeena Arch a northeast trending tectonic element of Jurassic age. Lower to Middle Jurassic Hazelton Group comprise the south assemblage of marine and non-marine calc-alkaline, island arc volcanic that extend throughout much of Central B.C. (Tipper & Richards, 1976)

Upper Jurassic and Lower Cretaceous Bowser Lake group underlie much of the area in the immediate vicinity of the property. The Skeena Arch defines the southern boundary of the Bowser Basin. The Bowser Basin group consists of light to dark greyish sandstone, siltstone, conglomerate, shale, coal. Stocks, plugs and dykes of Bulkley intrusive complex are scattered throughout the property.

Property Geology

The claim group is underlain by hornfelsed siltstone, sandstone, and greywackes, of the Bowser Lake Group, and granodiorites of the Bulkley Intrusives (Fig#). Granitic rocks are uniform, even grained to medium grained biotite-hornblende granodiorite. In general the unit is coarsely fractured and unaltered. Close fractured zones and shear zones are distributed throughout the intrusive, these shears and dykes are trending north northwest and dipping steeply.

Property Geology



Scale 1:20,000 approx.



093M Geological Legend

Hazelton

STRATIFIED ROCKS

CENOZOIC

QUATERNARY

PLEISTOCENE AND RECENT

Qal

Till, gravel, sand, silt, alluvium

TERTIARY

EOCENE AND TERTIARY

Eo

Rhyolite, dacite, basalt, intercalated and related sedimentary rocks (includes OOTSA LAKE GROUP, MORICETOWN sediments and volcanics, TZEZAKWA CREEK sediments)

MESOZOIC

CRETACEOUS

UPPER CRETACEOUS

uKK KASALKA GROUP: *Andesitic to rhyolitic flows, breccia, tuff, intercalated sedimentary rocks - related sills, dikes and intrusive domes (includes BRIAN BORU FORMATION, SUSKWA volcanics, CRONIN volcanics and FRENCH PEAK volcanics)*

LOWER TO UPPER CRETACEOUS

KT

SUSTUT GROUP: *Conglomerate, shale, greywacke (TANGO CREEK FORMATION)*

Ks

SKEENA GROUP: *Conglomerate, greywacke shale, coal, carbonaceous units volcanic breccia flows tuff lahar arenstone (includes RED ROSE FORMATION, ROCKY RIDGE FORMATION, HANAWALD conglomerate, KITSUMRALUM shale and KITSUNS CREEK FORMATION)*

MIDDLE JURASSIC TO LOWER CRETACEOUS

uJKB BOWSER LAKE GROUP: *conglomerate, greywacke, siltstone, shale and argillite- minor coal carbonaceous units and volcanic rocks (includes NETALZUL and TROUT CREEK FORMATIONS)*

JURASSIC

MIDDLE AND UPPER JURASSIC

HAZELTON GROUP AND BOWSER LAKE GROUP

mJSA

SMITHERS AND ASHMAN FORMATIONS: *Shale, greywacke, breccia, tuff, conglomerate*

LOWER JURASSIC

HAZELTON GROUP

IJTN

Basalt, andesite, breccia, tuff, shale, siltstone (includes TELKWA FORMATION, NILKINWA FORMATION AND SADDLE HILL volcanics)

TRIASSIC

UPPER TRIASSIC

TRT

TAKLA GROUP (STUHINI GROUP, SAVAGE MOUNTAIN FORMATION): *Andesite, basalt, tuff, breccia, conglomerate, greywacke, shale, limestone*

PALEOZOIC

CARBONIFEROUS AND PERMIAN (*possibly some UPPER TRIASSIC*)

CIPC

CACHE CREEK GROUP: *Metasedimentary rocks, schist, greenstone, serpentine*

PLUTONIC ROCKS

CENOZOIC

TERTIARY

EARLY TERTIARY

ETP **BABINE, KASTBERG AND NANIKA INTRUSIONS:** *Mainly porphyritic rocks with biotite, homblende and feldspar phenocrysts, diorite, granodiorite, quartz monzonite, rhyolite*

MESOZOIC

CRETACEOUS

LATE CRETACEOUS

LKg *Quartz monzonite, granodiorite, quartz diorite, porphyritic and aphanitic equivalents, minor granite, monzonite, gabbro (mainly BULKLEY INTRUSIONS)*

JURASSIC AND EARLIER

LATE TRIASSIC TO JURASSIC

EJg *Quartz diorite, diorite, minor granite (OMINECA AND TOPLEY INTRUSIONS)*

Geological legend and base derived from:

Tipper, H.W., Campbell, R.B., Taylor, G.C. and Stott, D.F., Compilers (1974): Parsnip River, Sheet 93; *Geological Survey of Canada*, Map 1424A, 1: 1,000,000

Richards, T.A. (1990): Geology and Mineral Deposits of Hazelton Map Area (93M), British Columbia; *Geological Survey of Canada*, Open File 2322, Sheets 1 and 2, 1:250,000

Carter, N.C. (1981): Porphyry Copper and Molybdenum Deposits, West-central British Columbia; *B.C. Ministry of Energy, Mines and Petroleum Resources*, Bulletin 64, Figure 8, 1:500,000

See [Hazelton \(093M\)](#) *Summary Sheet for an overview of the map areas and additional regional references.*

Positions of all geological contacts are approximate. In the case of an apparent disagreement between an occurrence's geological location on the map and its stratigraphic setting given in the MINFILE documentation, the latter should be given priority.

MAP LEGEND - 093M

MINFILE NUMBER	NAME	COMMODITIES
001	BELL	CU AG AU ZN PB MO
002	MAG	PB ZN CU
003	SNOOPY	CU
004	OLD FORT	CU MO
006	JAKE	CU
008	KOPI	CU MO
007	MORRISON	CU AG AU MO PB ZN
008	WOLF	CU MO
009	DOROTHY	CU MO ZN PB
010	NAKINLERAK LAKE	CU
011	TRAIL PEAK	AG ZN CU PB
012	FRENCH	CU
013	FRENCH	AG AU CU ZN PB
014	SNOW	CU MO PB ZN AG
015	FRENCH PEAK	AG CU AU PB ZN
018	DAISY	MO CU
017	HIGGINS	AG AU PB ZN CU
019	METAZUL	AG
019	CDPPER	CU
020	WASP	AG PB ZN AU
021	VIRGINIA SILVER	MO
022	LUNO CREEK MO #2	MO
023	LUNO CREEK MO #1	MO
024	MO	AU AG ZN PB CU AS
025	MOUNT SEATON	MO
026	BLUNT	CU MO
027	MAX	AG AU PB ZN SB
028	KING	CU MO
029	BERGSTEN	PB ZN AG
030	O.K. COPPER	CU AU AG
031	O.K.	AG PB ZN AU
032	TRUE INSURE	AG PB ZN AU
033	NATLAN	MO CU
034	JACK OF HEARTS	ZN PB
035	ACE S	CU MO SB
036	BABINE RANGE	AG PB ZN
037	ACE S	AG PB ZN
038	SILVERTON	AU AG ZN PB AS MO
038	BARBER BILL	AG AU PB ZN SB AS
040	SILVER CUP	AG ZN AU SB
041	POLE STAR	PB ZN AG
042	SLOCAN	AG PB ZN SB
043	SUNRISE (L. 595)	AG PB ZN AU CU SB
044	LEAD KING	AG PB ZN SB AS
045	CUP	AG PB ZN SB
046	SILVER PICK	PB ZN SB
047	AMERICAN BOY	AG PB ZN AU CU
048	SURPRISE	AG PB ZN AU
048	SILVER STANDARD (L. 2262)	AG AU PB ZN CU CD
050	BABINE (L. 1538)	AG PB ZN CU
051	MOHAWK (L. 5048)	AG PB ZN AU SB
052	COMET (L. 3578)	AG PB ZN SB
053	DALEY WEST	CU AU AG MO PB ZN WO
054	LOVE STAR	FE
055	SILVERTIP GLACIER	FE MO CU
056	BLUE LAKE	MO CU AU MO UR AG CU MO *
057	BLACK PRINCE (L. 2411)	AU AG PB WO UR CU MO *
058	POPPHRY CREEK NORTH	MO
059	BALSAM	MO
060	TINA	MO
061	SULTANA	AG CU MO AU
062	BIG THING	MO CU
063	MT	CU MO
064	BRIAN BORU (L. 607, 608)	CU ZN PB
065	JUPITER	MO CU
066	BRUNSWICK	AG AU PB AU CU
067	RED ROSE	WO CU AU AG MO UR
068	ARMAGOSA	CU WO
069	GRAT OHIO (L. 702)	CU AU PB ZN
070	HIGHLAND BOY	CU AG AU UR WO SN
071	ROCHER DEBOULE	CU AG AU WO ZN PB UR *
072	VICTORIA (L. 3303)	AU CO AG MO NI UR AS *
073	CAL	CU AG AU ZN
074	GOLDEN WONDER (L. 3322)	AU CU UR CO WO
075	THREE HILLS	CU
076	SILVER BELL	AU AG ZN PB
077	FORTUNE HILL	CU ZN AG
078	TEXAS	MO
079	LAURA	MO CU ZN SB WO
080	MOUNT THOMLINSON	MO CU WO
081	GOLDEN GIRL	AG AU MO ZN PB
082	GOATHEAD	MO CU WO
083	ICEFIELDS	MO
084	ICE	MO CU PB AG
085	CUMMO	MO
086	PEAK	MO
087	ATNA SILVER	AG PB ZN
088	COB	MO CU
089	ATNA	MO CU
090	JAN 1	CU MO
091	JAN 2	CU MO
092	SHEL	CU MO
093	MOUNT HORETZKY	CU MO
094	DODKO	MO CU ZN SB
095	SEATON	CL
096	PINK CADILLAC	AG AU SB
097	KISPIDX	CL
098	CHINA CREEK	CU PB ZN AU AG
099	SKILOKIS	AG AU PB ZN CU SB
100	KWILL	AG ZN PB
101	NEW	ZN SB
102	SIDNA CREEK	AG AU ZN PB CU AS HG
103	ROBINSON LAKE	MR
104	SKEENA RIVER WEST PLACER	AU
105	ANDOMAIL EAST PLACER	AU
106	SKEENA RIVER PLACER	AU
107	NORTH SKEENA CROSSING PLACER	AU
108	CARNABY PLACER	AU
109	SKEENA NORTH PLACER	AU
110	HAZELTON PLACER	AU
111	KAZA COPPER	CU AU AG
112	BABINE RIVER	AU
113	HECLA (BLUEBIRD)	CU AG
114	KILLARNEY	AG ZN PB SN
115	BLACK PILOT	ZN
116	BABINE	AU AG
117	DREYWOOD	CU AG
118	RAINBOW	CU AG
119	NATIONAL EX	AG CU PB ZN
120	KITSEQUECLA	CL

MAP LEGEND - 093M

MINFILE NUMBER	NAME	COMMODITIES
121	MAST	CU
122	THOMLINSON CREEK	CU MO WO
123	ELLEN	AG AU CU MO PB
124	SUSKWA	CU MO
125	FOG	MO CU
126	KISSEGAS	AG AU CU PB ZN MO
127	BAB	CU
128	BULKLEY RIVER PLACER	AU
129	ILL	AU
130	ORBI	ZN PB
131	CEDAR CREEK	CL
132	SHARP CREEK	CL
133	BULKLEY RIVER COAL	CL
134	PHI	CU
135	BIG JOE	CU
136	SAL	CU MO
137	BEAR HILL	CU AG BA ZN PB
138	COPPER BASIN	CU AU AG
139	SKEENA CROSSING	CU
140	CREEK	MO
141	KOT	ZN PB
142	LYON	CU
143	CARR	CU MO
144	FORT	CU
145	HOL	CU MO
146	LION	CU AG
147	BURN	MO CU
148	NAT	CU WO PB ZN
149	DATE	CU
150	SEELY LAKE	CL
151	FIREVEED	AG PB ZN CU AU
152	IRON MASK (L. 3577)	AG ZN PB CU
153	KISPOX VALLEY	CU
154	JONES	CU ZN
155	CANADIAN QUEEN	AG AU PB ZN
156	BONNIE	AG AU PB ZN
157	TWO MILE CREEK	PB ZN
158	BARDON	AG AU PB ZN
159	NEWMAN NORTH	CU
160	SPARROWHAWK	CU
161	KISPOX RIVER CLAY	CU
162	COPPER 1-4	AG PB ZN
163	FRIDAY GREEN	CU
164	FRIDAY RED	CU
165	BOUCHER CREEK A	CL
166	BOUCHER CREEK CENTRAL	CL
167	BOUCHER CREEK B	CL
168	KISPOX C	CU
169	BIG SLIDE	CL
170	SKEENA D	CL
171	SKEENA	CL
172	SHEGUNIA	CL
173	SHEGUNIA G	ST
174	SEDESH CREEK SLATE	FE ZN
175	BAIT RANGE	AG
176	WILLO	CU CU PB ZN
177	WILLO	CU
178	COLLINS LAKE	CU
179	SIX MILE CREEK	AG PB ZN
180	BLUNT MOUNTAIN	AG PB ZN SB
181	SHENSMIKE	AG PB ZN
182	SHEGISTIC	AG PB ZN
183	SHEGIN CREEK WEST	AG PB ZN
184	SHEGIN CREEK EAST	AG PB ZN
185	MOUNT THOEN RANGE	PB ZN
186	CHICAGO CREEK	AG PB ZN
187	BURDICK CREEK	PB ZN
188	SICINTINE RANGE 1	MO
189	SICINTINE RANGE 2	MO
190	SICINTINE RANGE 3	MO
191	SICINTINE RANGE 4	PB ZN
192	FIFTEEN MILE CREEK COAL	CL
193	EIGHTEEN MILE CREEK COAL	CL
194	STERITT CREEK COAL	CL / ^{1/2}
195	PK	CU / ^{1/2}

COMMODITY LEGEND

CODE INDEX	COMMODITY INDEX
AG	Silver
AS	Arsenic
AU	Gold
BA	Berite
CD	Cadmium
CL	Coal
CO	Cobalt
CU	Copper
CY	Clay
FE	Iron
HG	Mercury
MO	Molybdenum
MR	Mart
NI	Nickel
PB	Lead
SB	Antimony
SN	Tin
ST	Slate
UR	Uranium
WO	Tungsten
ZN	Zinc

Mineralization

Mineralization occurs on the property in both the sedimentary and the granitic rocks, mainly as veins, stringers and stock works associated with fracture and shear zones. Molybdenite quartz veins are scattered in outcrop in the granitic intrusions.

Numerous veins, stringers, stock works, pods, and lenses of quartz are variably mineralized with pyrite, tetrahedrite, chalcopyrite and galena which can be found throughout the property. These are mostly found in the outcrop on the southern portion of the claim block due lack of outcrop throughout the property. The veins range in size from a few centimetres to over a metre in width and traceable for up to 50 metres . Veins in the granitic rocks occur in association with shear zones trending between 020 And 040 dipping dipping steeply 70 east to west. Granitic stocks show argillic and porphyritic alteration adjacent the mineralized veins. Veins in the sedimentary rocks appear as isolated lenses, or pods comprising of minor layered sulphides mostly galena and arsenopyrite.

Throughout the granodiorite are widely spaced quartz veins that have fine grained molybdenite crystals in a glassy, clear quartz. Quartz veins are up to 1 metre in width.

Conclusions and Recommendations

The Nat Group of claims covers several known Minfiles and continues to exhibit potential for economic precious metal grades mainly in the intrusive related veins and blebs.

It is recommended that contour soils, silts and rock samples with continued prospecting along the south east margin of the intrusive specifically the head waters of the Harold Price Creek. Access from the Babine Lake side should be ground proofed to allow better access to the southern claim blocks. Additional work at the old portal area near sample NATMR 006 should be a priority.

Statement of Costs

Exploration Work Type	Comment	Days	Rate	Total
Personnel				
Mark Ralph Geotechnologist	July 15-24	9	400	3800.00
Ken Johnson Sr. Field Assistant	July 15-24	9	300	2550.00
Lorne Warren Senior Prospector	July 14, 24 Nov 30 Supervision, Report	3	550	1650.00
Chris Warren Senior Prospector	July 14,18,25 Nov 30,31 Supervision, Report	5	450	2250.00
			Manpower Total	10250.00
Expenses				
BV Wholesale	Groceries			230.61
Hudson Bay lodge	Accommodation and Meals			151.50
Home Hardware	Propane, batteries			43.16
Oscars Source	Bear Bangers			22.39
Moricetown Gas Bar	Meals			14.91
Capri Motor Inn	Accommodations and Meals			74.75
BV Wholesale	Groceries			52.64
McDonalds	Meals			5.34
Florence Motel	Accommodations			80.50
Mohawk	Fuel			40.46
A&W	Meals			6.79
Petrocan	Fuel July 16-24/09			133.70
JMark Ralph	Vehicle Rental	10		1050.00
JMark Ralph	Quad Rental	9		450.00
Assay Costs	6 silt 22 rock			615.25
			Expenses Total	2972.00
			Grand Total	13222.00

Sample Locations

Label	Easting	Northing	Zone	Elev (ft)	Type	Outcrop/Float/Till/Talus/
NatKJ001	626064	6129476	9		Rock Sample Location	Talus
NatKJ002	626059	6129469	9		Rock Sample Location	Talus
NatKJ003	626052	6129463	9		Rock Sample Location	Talus
NatKJ004	626403	6129358	9		Rock Sample Location	Talus
NatKJ005	626018	6129753	9		Rock Sample Location	Talus
NatKJ006	626565	6129850	9		Rock Sample Location	Talus
NatKJ007	625749	6129952	9		Rock Sample Location	Talus
NatKJ008	625735	6129935	9		Rock Sample Location	Talus
NatKJ009	625784	6129901	9		Rock Sample Location	Talus
NatMR001	627113	6133453	9	2440	Rock Sample Location	Outcrop
NatMR002	626869	6132471	9	3235	Rock Sample Location	Talus
NatMR003	626509	6131323	9	3782	Rock Sample Location	Outcrop
NatMR004	626473	6131171	9	3860	Station Location	Talus
NatMR005	626394	6130873	9	4073	Station Location	Outcrop
NatMR006	626600	6130067	9	4141	Rock Sample Location	Outcrop
NatMR007A	626331	6130773	9	3992	Rock Sample Location	Outcrop/subcrop
NatMR007B	626188	6130795	9	4231	Rock Sample Location	Subcrop/talus
NatMR007C	626151	6130776	9	4347	Rock Sample Location	Outcrop/subcrop
NatMR008	626330	6130927	9	3933	Station Location	Talus

Label	Easting	Northing	Zone	Elev (ft)	Type	Outcrop/Float/Till/Talus
NatMR009	625906	6129893	9	4712	Station Location	Outcrop
NatMR010	625923	6129859	9	4732	Station Location	Outcrop
NatMR011	625996	6129821	9	4842	Station Location	Outcrop
NatMR012	626060	6129707	9	4969	Station Location	Claim Post
NatMR013	626036	6129612	9	5109	Station Location	Subcrop
NatMR014	626050	6129584	9	5083	Rock Sample Location	Talus
NatMR015	626056	6129538	9	5075	Rock Sample Location	Talus
NatMR016	626061	6129510	9	5057	Rock Sample Location	Talus
NatMR017	626140	6129462	9	4991	Rock Sample Location	Talus
NatMR018	626208	6129480	9	4921	Station Location	Talus
NatMR019	626275	6129388	9	5058	Station Location	Talus
NatMR020	626472	6129281	9	5330	Station Location	Outcrop
NatMR021	626329	6129334	9	5106	Rock Sample Location	Talus
NatMR022	625649	6129998	9	4738	Station Location	Talus
NatMR023	625658	6129988	9	4744	Station Location	Outcrop
NatMR024	625723	6129956	9	4791	Station Location	Outcrop
NatMR025	625737	6129941	9	4809	Rock Sample Location	Outcrop
NatMR026	625754	6129898	9	4883	Station Location	Outcrop
NatMR027	625755	6129884	9	4894	Station Location	Talus
NatMR028	625755	6129872	9	4928	Station Location	Talus/Outcrop

Label	Easting	Northing	Zone	Elev (ft)	Type	Outcrop/Float/Till/Talus	
NatMR029	625852	6129824	9	4887	Rock Sample Location	Talus	
NatMR030	625486	6130292	9	4831	Rock Sample Location	Talus	
659901	626473	6129967	9		Silt Sample Location		Yes
659902	626547	6129892	9		Silt Sample Location		Yes
659903	626614	6131317	9		Silt Sample Location		Yes
659904	626430	6130466	9	4571	Silt Sample Location		Yes
659905	625920	6133692	9		Silt Sample Location		Yes
659906	626600	6130067	9	4140	Gouge Sample Location		Yes

Label	Description
NatMR001	Seds - Faulted with weak coaliferous layers, fossils and minor Sx in Seds (FUS) underlain by a basalt porphyry.
NatMR002	Conglomerate - sub mature with trace to 1% disseminated py. Weak ghosting of larger clasts. Spotty small disseminated black crystals. Silicified sed - Greenish, microcrystalline with some evidence of original texture. Trace py. Disseminated black crystals. Siltstone - trace py.
NatMR003	Broad cliff face along trail. Mostly siltstone with up to 3% disseminated py +/- cpy. Some dark grey to black mudstone with thin bands of black crystals. No bedding apparent.
NatMR004	Generally siltstone with minor mudstone and rare conglomerate. Variable disseminated euhedral 1-2mm py. Some siltstone contains black threads with euhedral crystals. No veining or intrusives noted.
NatMR005	10m N-S outcrop on side of trail. Massive siltstone and mudstone with traces of rounded boulders of monzonite. Trace py in siltstone. Minor hematite and limonite staining on seds. Monzonite is barren. No bedding apparent in seds.
NatMR006	This zone has seen significant work in the past and may be the adit described by previous workers. Waste rock piles and drill holes in some flyrock suggest blasting and sorting of material. A large camp noted back along the trail may have served as the operations camp for this working. Overall setting is a granodiorite to the south in contact with a sed package consisting of mudstone, siltstone and conglomerate to the north. All of this is cut by no less than three different vein sets which host a variety of mineralization (sphalerite, molybdenite, pyrite, chalcopyrite, galena, tetrahedrite, stibnite, and flourite among others. Disseminated sulphides are common within the granodiorite as disseminated crystals of py+/-cpy and mo with mo most common as plating along parting planes and along vein margins. Mineralization within the granodiorite appears to fall off rapidly inward of intrusion and is no longer apparent after 6m into intrusive. Several faults and fault splays were noted including one gouge (sample) filled structure (F1) falling near the sed-ig contact on the eastern wall. Seds are intensely hornfels throughout this showing.
NatMR007A	Mostly sedimentary rock within material in trench. Most of this material is talus from upslope, however, some may represent underlying bedrock. Some vein material was noted with contorted ankerite veins cut by quartz veins (possibly a narrow breccia). No mineralization was noted, however, some of the material observed was limonite and hematite stained.
NatMR007B	End of trench
NatMR007C	Maximum up hill traverse. Note gossanous material upslope in photos. Some minor increases in mineralization (py+/-cpy) was noted.
NatMR008	End of this small road. Rusty seds with up to 1% disseminated py in siltstone. Trace to moderate hornfels. Locally seds (sandstones) have a silky sheen (phyllitic?).
NatMR009	Fine grained volcanic with minor bullish quartz veins. Minor limonite staining. Weak to pervasive hornfels. Trace disseminated 1-2mm euhedral py. Q1 - 2cm wide, bullish Q2 - 1cm wide bullish with minor subparallel veinlets.
NatMR010	fine grained volcanic with greater alteration than NatMR009. Trace veinlets of quartz. Weak to moderate pervasive spotty propylitic alteration. Moderate pervasive hornfels.
NatMR011	Fine grained volcanic with moderate pervasive hornfels, trace sub millimetre disseminated py. Minor propylitic alteration around veins. Outcrop dimensions 5m x 5m. One minor Quartz vein is limonite stained by shows no sulphides. 5m uphill is a small 1m x 1m outcrop of rusty volcanics with 2-5% disseminated py+/-aspy in minor veinlets of quartz. Sample taken and stored within misc geology.
NatMR012	#483394 Goat #5 R. Wolverton, Sept 10 1963. Underlain by volcanics.
NatMR013	Monzonite to granodiorite in composition. Weak gossan with 1-2% disseminated py+/-cpy. Minor vein material with 2-5% disseminated sulphide. Mineralization appears confined to gossan which is 1m wide.
NatMR014	Intensely altered monzonite with up to 10% disseminated sulphide (py+/-cpy+/-?) and trace mo. Localized gossan with limonite contains the most intense mineralization. Surrounding this zone the monzonite contains 1-3% disseminated sulphides.
NatMR015	Quartz boulders found in Talus - Most likely from a small vein (<1m) upslope. 1-3% erratically distributed disseminated Sx.
NatMR016	Deeply weathered limonitic surface. Up to 20% disseminated Sx. Leached and possibly from the wall of a vein from a 2-3m wide zone 20m upslope.
NatMR017	Contact between a Quartz vein and the Grano-diorite host. Up to 5% cpy locally with minor disseminated mo. Since the last station epidote alteration has been on the increase and is locally weak with moderate pervasive patches. Aplite dykes are also becoming common and increasing in size and density.
NatMR018	Since NatMR-016, Aplite dykes have continued to increase and boulder faces with quartz (likely from a quartz vein which provided a plane of weakness) disseminated Sx (Py +/- Cpy) and mo. Epidote has fallen. Large quartz vein material seems to be rare suggesting that the quartz faces on these boulders were originally from small veinlets. Evidence of previous work include old flagging tape and broken rock piles. Volcanic boulders appear to be increasingly common upslope. Photos in this series provide a view of the surrounding area.

NatMR019	Since NatMR-018 several small bands up to several meters wide of gossanous friable grano-diorite were noted. These bands are variably mineralized with py +/- cpy +/- aspy and other Sx. Quartz veins in subcrop were also noted and are similarly mineralized.
NatMR020	Approximately 10m wide limonitic zone with minor quartz veins
NatMR021	Malachite with minor py+cpy found near or in quartz veins within a monzonite to grano-diorite host. Also, minor volcanics within talus (<10%) - Green, porphyritic with books of black biotite.
NatMR022	Minor rusty zone on the rock face west of this fault. This fault may truncate or at least cuts a NW-SE trending structure which in turn intersects these rusty zones. Talus at the base of this slope consists of 1 - Lapilli tuff with minor veinlets of quartz + py in a propylitic halo. Also moderate to strong hornfels. 2 - Aplite boulders which, at times, appear as small veins within the tuff. No boulders in this talus are > 1m.
NatMR023	Trace to 1% disseminated Sx (py+/-cpy). Boulders below this consists of 50% monzonite, 40% tuff, and 10% aplite. Suggests contact upslope. Jointing is generally very planar with 3 distinct planes observed (see following table). J3 is generally less planar and is somewhat undulating and weak. QV is <1cm wide, bullish and are increasing towards the south. Aplite dykes are sub parallel and cut QV.
NatMR024	Monzonite in outcrop. Aplite veins have been increasing in density and width. QV in increasing in intensity. Blocks of lapilli tuff are still common but not found in outcrop.
NatMR025	Monzonite outcrop with Quartz veins. QV1 is imbricated, banded, and limonite and hematite (?) stained. Northern contact is most intensely mineralized with 2-5% py +/- cpy with limonite and hematite coatings. Locally bullish. Mineralization is commonly in or around vugs and commonly form a significant druse. Intersections of imbricates appear to be the most intensely mineralized. QV1 ranges from 4cm to 20cm in width. Small resistant ridges in the monzonite appear to be of monzonitic composition with a significant increase in Sx (py +/- cpy). These ridges are 1 to 3cm wide, planar and continuous.
NatMR026	Quartz veining continues to increase with most QV being bullish and barren. Mo + Sx noted in talus but not observed in O/C.
NatMR027	Major fault. Talus below is dominated by monzonite with quartz and minor volcanics.
NatMR028	Sed-ig contact appears to be approximately 30m uphill from here and appear to be roughly parallel to the contour. A swarm of QV sits predominantly in the footwall of this structure which appears to be a fault and the source of the significant amount of quartz veining (mo +/- sx) found in the talus below.
NatMR029	Several narrow (2-10m) rusty zones were observed above in the wall since NatMR-028 but were not readily reachable. Observations within the talus showed mostly barren monzonite with minor sed/volc rock and bullish Qv. Occasional boulders of Qv were rusty and friable, contained vugs with moderately large well developed quartz crystals and minor to py +/- mo +/- aspy. Sample is from a 10cm wide vuggy limonite coated QV with 5%-10% py +/- aspy.
NatMR030	This location represents a common rock type in the talus slopes on the other side of the bowl from the camp. This material is generally very friable, somewhat phyllytic, limonite and hematite stained and contains coatings of Sx (cpy or stained py or other). This narrow talus slopes may represent underlying structures.

659901	Silt Sample Location
659902	Silt Sample Location
659903	Silt Sample Location
659904	Silt Sample Location
659905	Silt Sample Location
659906	Gouge Sample Location

Key							
All strike and dip data is in Right Hand Rule notation.							
py = pyrite							
cpy = chalcopyrite							
mo =molybdenite							
aspy = arsenopyrite							
sb = stibnite							
ga = galena							
Volc = Volcanoclastics							
Seds = variety of sedimentary rocks including mudstone, siltstone, sandstone, greywacke and conglomerate.							

	Method	WGHT	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni
	Unit	KG	PPM	PPM	PPM	PPM	PPM	PPM
	MDL	0.01	0.1	0.1	0.1	1	0.1	0.1
Sample	Type							
NATKJ001	Rock	0.78	49	3573.9	3.2	50	6.7	5.4
NATKJ002	Rock	0.86	4.4	236.5	1.3	60	0.3	8
NATKJ003	Rock	0.61	11	765.5	2	41	0.8	8.4
NATKJ004	Rock	0.96	19.9	95	2.1	23	0.4	2.2
NATKJ005	Rock	0.94	4.3	1296.8	7.2	42	0.8	28.9
NATKJ006	Rock	1.11	4.3	15.3	1	25	<0.1	3.7
NATKJ007	Rock	0.46	6.5	442.8	2.5	47	0.8	6.2
NATKJ008	Rock	0.73	>2000.0	95	6.8	12	2.9	0.9
NATKJ009	Rock	0.78	3.6	12.7	2.7	23	<0.1	4.8
NATMR001	Rock	1.82	5	39.3	4.3	66	<0.1	6.9
NATMR002	Rock	1.88	1.2	36.7	7.5	71	0.1	10.3
NATMR003	Rock	2.86	2	46.4	6.4	94	0.2	16.1
NATMR004	Rock	0.78	4.2	41	3.8	85	0.3	12.9
NATMR006	Rock	1.56	0.2	>10000.0	>10000.0	>10000	>100.0	2.1
NATMR007	Rock	0.77	0.6	22.1	5363.3	250	8.6	3.8
NATMR014	Rock	0.83	94.2	6851	205.9	412	73.1	18
NATMR015	Rock	1.08	20	190.1	30.7	43	14.3	1.8
NATMR016	Rock	1.32	33.7	357.7	57	21	11.5	2.7
NATMR017	Rock	0.99	7.8	941.4	9.4	380	12.6	4.4
NATMR021	Rock	0.66	1558.9	5993.5	20.2	75	9.4	3.7
NATMR025	Rock	0.43	42.6	>10000.0	127.6	108	28.4	2.4
NATMR029	Rock	0.71	200.9	46.8	18.5	5	4.5	2.8
Reference Materials								
STD DS7	STD		19.5	111.1	75.8	410	0.8	57.4
STD OREAS45PA	STD		0.8	563.8	19.6	124	0.3	276.1
STD DS7	STD		21.6	107.4	70.8	408	0.8	57.9
STD OREAS45PA	STD		0.8	650.6	21.9	129	0.3	302.4
BLK	BLK		<0.1	<0.1	<0.1	<1	<0.1	<0.1
BLK	BLK		<0.1	<0.1	<0.1	<1	<0.1	<0.1

	Method	WGHT	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Wgt	Co	Mn	Fe	As	U	Au
	Unit	KG	PPM	PPM	%	PPM	PPM	PPB
	MDL	0.01	0.1	1	0.01	0.5	0.1	0.5
Sample	Type							
NATKJ001	Rock	0.78	6.8	718	1.58	1.9	9.9	3
NATKJ002	Rock	0.86	7.2	398	2.2	1.2	2.7	0.8
NATKJ003	Rock	0.61	7.9	340	2.27	1	2.5	1.5
NATKJ004	Rock	0.96	2.1	125	0.89	2.6	1.3	1.1
NATKJ005	Rock	0.94	126.5	644	16.99	17.7	2	68.6
NATKJ006	Rock	1.11	3.8	138	1.46	0.7	1.7	<0.5
NATKJ007	Rock	0.46	8	429	1.77	7.4	3.3	0.7
NATKJ008	Rock	0.73	1.2	25	0.62	7.2	0.4	3.8
NATKJ009	Rock	0.78	7.4	226	1.07	9.2	0.6	<0.5
NATMR001	Rock	1.82	10.9	312	3.04	8	0.1	<0.5
NATMR002	Rock	1.88	20.3	670	4.49	10.4	0.2	<0.5
NATMR003	Rock	2.86	23.2	598	5.45	13.7	<0.1	<0.5
NATMR004	Rock	0.78	30.4	636	4.23	33.5	<0.1	<0.5
NATMR006	Rock	1.56	22.7	5149	1.83	930.1	<0.1	2597.9
NATMR007	Rock	0.77	8.7	3456	4.33	212.6	<0.1	2.2
NATMR014	Rock	0.83	28.1	125	5.57	23.5	4.6	22.2
NATMR015	Rock	1.08	4.4	33	1.67	21.3	<0.1	10.2
NATMR016	Rock	1.32	7.8	29	5.59	2.1	1.3	14.1
NATMR017	Rock	0.99	6.7	1157	2.64	7.5	5.5	3.3
NATMR021	Rock	0.66	3.8	128	2.75	4.2	9.4	43.2
NATMR025	Rock	0.43	2.3	98	2.39	49.4	1.2	34.7
NATMR029	Rock	0.71	24	26	4.88	1.1	<0.1	6.4
Reference Materials								
STD DS7	STD		9.5	627	2.39	52.3	4.9	50.5
STD OREAS45PA	STD		105	1062	15.47	3.7	1.3	37
STD DS7	STD		10	654	2.47	49.6	5.4	51
STD OREAS45PA	STD		113.5	1122	17.11	4.5	1.2	46.7
BLK	BLK		<0.1	<1	<0.01	<0.5	<0.1	<0.5
BLK	BLK		<0.1	<1	<0.01	<0.5	<0.1	<0.5

	Method	WGHT	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Wgt	Th	Sr	Cd	Sb	Bi	V
	Unit	KG	PPM	PPM	PPM	PPM	PPM	PPM
	MDL	0.01	0.1	1	0.1	0.1	0.1	2
Sample	Type							
NATKJ001	Rock	0.78	8.4	23	0.6	0.8	1	9
NATKJ002	Rock	0.86	9.3	17	0.5	2.4	0.5	53
NATKJ003	Rock	0.61	10.4	23	0.2	0.2	1	48
NATKJ004	Rock	0.96	6.8	19	0.2	3	1.6	15
NATKJ005	Rock	0.94	1.9	57	0.2	0.8	120.6	113
NATKJ006	Rock	1.11	6.2	21	<0.1	1.2	<0.1	35
NATKJ007	Rock	0.46	9	39	0.4	2.3	0.8	33
NATKJ008	Rock	0.73	0.9	11	<0.1	19.2	16.7	2
NATKJ009	Rock	0.78	4.9	22	0.3	0.3	0.2	12
NATMR001	Rock	1.82	0.8	14	0.2	0.1	0.2	20
NATMR002	Rock	1.88	1.4	35	<0.1	0.7	0.3	45
NATMR003	Rock	2.86	0.8	55	<0.1	0.4	0.3	95
NATMR004	Rock	0.78	0.8	38	0.2	0.7	0.2	58
NATMR006	Rock	1.56	<0.1	35	>2000.0	>2000.0	3.2	5
NATMR007	Rock	0.77	0.4	464	2.2	196.1	0.2	11
NATMR014	Rock	0.83	11.5	26	8.2	235.8	17.8	30
NATMR015	Rock	1.08	0.3	3	0.9	79	52.6	<2
NATMR016	Rock	1.32	6.7	30	0.2	4.5	87.5	4
NATMR017	Rock	0.99	8.7	46	4.7	38.8	14.7	17
NATMR021	Rock	0.66	11.9	30	1.4	3.4	21.4	16
NATMR025	Rock	0.43	2.1	7	1.8	134.4	336.6	3
NATMR029	Rock	0.71	<0.1	<1	<0.1	1.9	201.8	<2
Reference Materials								
STD DS7	STD		4.3	74	6.8	4.3	4.5	79
STD OREAS45PA	STD		6.5	14	0.1	0.1	0.2	214
STD DS7	STD		5	77	6.2	4	4.7	83
STD OREAS45PA	STD		7	13	<0.1	<0.1	0.2	224
BLK	BLK		<0.1	<1	<0.1	<0.1	<0.1	<2
BLK	BLK		<0.1	<1	<0.1	<0.1	<0.1	<2

	Method	WGHT	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Wgt	Ca	P	La	Cr	Mg	Ba
	Unit	KG	%	%	PPM	PPM	%	PPM
	MDL	0.01	0.01	0.001	1	1	0.01	1
Sample	Type							
NATKJ001	Rock	0.78	0.41	0.119	21	8	0.05	47
NATKJ002	Rock	0.86	0.34	0.11	14	16	0.57	171
NATKJ003	Rock	0.61	0.39	0.124	18	14	0.49	270
NATKJ004	Rock	0.96	0.12	0.037	7	10	0.12	57
NATKJ005	Rock	0.94	1.85	0.281	15	7	0.66	14
NATKJ006	Rock	1.11	0.22	0.059	9	11	0.34	131
NATKJ007	Rock	0.46	0.76	0.089	13	12	0.46	120
NATKJ008	Rock	0.73	0.03	0.009	2	9	<0.01	26
NATKJ009	Rock	0.78	0.67	0.036	7	2	0.21	146
NATMR001	Rock	1.82	0.07	0.022	6	5	0.26	72
NATMR002	Rock	1.88	0.92	0.11	8	10	1.12	80
NATMR003	Rock	2.86	0.53	0.073	2	22	0.97	56
NATMR004	Rock	0.78	0.31	0.072	3	16	0.93	127
NATMR006	Rock	1.56	2.93	<0.001	<1	<1	0.21	6
NATMR007	Rock	0.77	14.26	0.017	2	2	0.95	22
NATMR014	Rock	0.83	0.29	0.138	12	9	0.41	50
NATMR015	Rock	1.08	0.02	0.003	<1	11	<0.01	12
NATMR016	Rock	1.32	0.21	0.07	6	3	0.01	33
NATMR017	Rock	0.99	1.78	0.11	11	9	0.17	63
NATMR021	Rock	0.66	0.5	0.123	23	6	0.24	28
NATMR025	Rock	0.43	0.1	0.03	2	6	0.03	17
NATMR029	Rock	0.71	<0.01	<0.001	<1	10	<0.01	8
Reference Materials								
STD DS7	STD		0.89	0.083	11	192	0.98	419
STD OREAS45PA	STD		0.24	0.039	16	753	0.09	205
STD DS7	STD		0.98	0.078	14	223	1.07	448
STD OREAS45PA	STD		0.24	0.031	14	903	0.1	163
BLK	BLK		<0.01	<0.001	<1	<1	<0.01	<1
BLK	BLK		<0.01	<0.001	<1	<1	<0.01	<1

	Method	WGHT	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Wgt	Ti	B	Al	Na	K	W
	Unit	KG	%	PPM	%	%	%	PPM
	MDL	0.01	0.001	20	0.01	0.001	0.01	0.1
Sample	Type							
NATKJ001	Rock	0.78	0.002	<20	0.29	0.009	0.18	>100.0
NATKJ002	Rock	0.86	0.117	<20	0.77	0.041	0.33	15
NATKJ003	Rock	0.61	0.107	<20	0.66	0.051	0.38	46.2
NATKJ004	Rock	0.96	0.028	<20	0.27	0.02	0.14	25.9
NATKJ005	Rock	0.94	0.059	<20	5.15	0.041	0.16	>100.0
NATKJ006	Rock	1.11	0.071	<20	0.55	0.041	0.18	0.3
NATKJ007	Rock	0.46	0.06	<20	0.71	0.031	0.3	11.5
NATKJ008	Rock	0.73	<0.001	<20	0.05	<0.001	0.06	41.8
NATKJ009	Rock	0.78	0.053	<20	0.82	0.02	0.28	0.3
NATMR001	Rock	1.82	<0.001	<20	1.14	0.046	0.1	<0.1
NATMR002	Rock	1.88	0.009	<20	2.46	0.044	0.12	0.1
NATMR003	Rock	2.86	0.066	<20	2.98	0.12	0.1	0.2
NATMR004	Rock	0.78	0.011	<20	2.7	0.088	0.09	<0.1
NATMR006	Rock	1.56	<0.001	<20	0.12	0.004	0.09	<0.1
NATMR007	Rock	0.77	<0.001	<20	0.24	0.005	0.13	0.3
NATMR014	Rock	0.83	0.029	<20	0.56	0.016	0.42	10.4
NATMR015	Rock	1.08	<0.001	<20	0.05	0.003	0.06	30.9
NATMR016	Rock	1.32	0.001	<20	0.13	0.013	0.17	>100.0
NATMR017	Rock	0.99	0.022	<20	0.39	0.017	0.22	3.2
NATMR021	Rock	0.66	0.005	<20	0.59	0.041	0.19	>100.0
NATMR025	Rock	0.43	<0.001	<20	0.12	0.003	0.09	7
NATMR029	Rock	0.71	<0.001	<20	<0.01	0.002	0.03	33
Reference Materials								
STD DS7	STD		0.109	43	0.95	0.087	0.46	3.3
STD OREAS45PA	STD		0.115	<20	3.02	0.005	0.07	<0.1
STD DS7	STD		0.124	32	1.06	0.097	0.46	3.4
STD OREAS45PA	STD		0.136	<20	3.72	0.003	0.07	<0.1
BLK	BLK		<0.001	<20	<0.01	<0.001	<0.01	<0.1
BLK	BLK		<0.001	<20	<0.01	<0.001	<0.01	<0.1

	Method	WGHT	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Wgt	Hg	Sc	Tl	S	Ga	Se
	Unit	KG	PPM	PPM	PPM	%	PPM	PPM
	MDL	0.01	0.01	0.1	0.1	0.05	1	0.5
Sample	Type							
NATKJ001	Rock	0.78	<0.01	1.9	<0.1	0.57	1	<0.5
NATKJ002	Rock	0.86	0.02	2.4	0.3	0.14	4	<0.5
NATKJ003	Rock	0.61	<0.01	2.5	0.3	0.31	4	<0.5
NATKJ004	Rock	0.96	0.03	0.7	<0.1	0.07	2	<0.5
NATKJ005	Rock	0.94	<0.01	4.5	0.6	9.21	21	16.7
NATKJ006	Rock	1.11	0.02	1	<0.1	<0.05	4	<0.5
NATKJ007	Rock	0.46	<0.01	2.5	0.3	0.26	4	<0.5
NATKJ008	Rock	0.73	0.08	0.2	<0.1	0.3	<1	1.7
NATKJ009	Rock	0.78	<0.01	0.7	0.2	<0.05	2	<0.5
NATMR001	Rock	1.82	<0.01	2.7	<0.1	<0.05	2	<0.5
NATMR002	Rock	1.88	<0.01	2.6	<0.1	0.28	7	<0.5
NATMR003	Rock	2.86	<0.01	4.7	<0.1	0.78	8	1
NATMR004	Rock	0.78	<0.01	3.1	<0.1	0.08	7	<0.5
NATMR006	Rock	1.56	48.05	0.2	1.1	6.27	<1	7.1
NATMR007	Rock	0.77	<0.01	2.1	3.4	0.1	<1	<0.5
NATMR014	Rock	0.83	0.13	3	0.4	3.87	5	4.1
NATMR015	Rock	1.08	0.11	<0.1	<0.1	1.25	<1	1.3
NATMR016	Rock	1.32	<0.01	0.4	<0.1	5.06	<1	6.2
NATMR017	Rock	0.99	0.04	1.7	0.1	1.73	2	1.2
NATMR021	Rock	0.66	*	2.2	0.2	0.72	3	2.9
NATMR025	Rock	0.43	0.13	0.2	<0.1	1.29	<1	1
NATMR029	Rock	0.71	<0.01	0.1	<0.1	4.79	<1	5.2
Reference Materials								
STD DS7	STD		0.21	2.5	4.3	0.2	5	3.7
STD OREAS45PA	STD		0.01	41.3	<0.1	<0.05	16	0.9
STD DS7	STD		0.22	2.4	4.3	0.2	5	3.5
STD OREAS45PA	STD		0.03	40.7	<0.1	<0.05	19	<0.5
BLK	BLK		<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	BLK		<0.01	<0.1	<0.1	<0.05	<1	<0.5

References

References for the above report are linked below to the BC ARIS website containing the 6 recorded reports on or near the area of interest.

EMPR ASS RPT [2663](#), [2962](#), [3047](#), *[3969](#), [13924](#), [15186](#)

Location/Identification

MINFILE Number:	093M 148		
Name(s):	<u>NAT</u> ACE, NAT A		
Status:	Showing	Mining Division:	Omineca
Regions:	British Columbia	Electoral District:	Bulkley Valley-Stikine
BCGS Map:	093M025	Forest District:	Skeena Stikine Forest District
NTS Map:	093M06E, 093M07W	UTM Zone:	09 (NAD 83)
Latitude:	55 16 48 N	Northing:	6127773
Longitude:	127 00 00 W	Easting:	627036
Elevation:	967 metres		
Location Accuracy:	Within 1KM		
Comments:	Location of showings (Geology, Exploration and Mining 1976, page E156).		

Mineral Occurrence

Commodities: Copper, Tungsten, Lead, Zinc

Minerals	Significant:	Galena, Sphalerite
	Mineralization Age:	Unknown
Deposit	Character:	Disseminated, Vein
	Classification:	Hydrothermal, Epigenetic
	Type:	L04: Porphyry Cu +/- Mo +/- Au, I05: Polymetallic veins Ag-Pb-Zn+/-Au

Host Rock

Dominant Host Rock: Plutonic

Stratigraphic Age	Group	Formation	Igneous/Metamorphic/Other
Upper Cretaceous	Kasalka	Undefined Formation	-----
Upper Cretaceous	-----	-----	Bulkley Intrusions

Isotopic Age	Dating Method	Material Dated
-----	-----	-----
-----	-----	-----

Lithology: Granodiorite, Greenstone

Comments: The Kasalka Group unit is the informally named Cronin volcanics.

Geological Setting

Tectonic Belt:	Intermontane	Physiographic Area:	Skeena Ranges
Terrane:	Plutonic Rocks		

Inventory

No inventory data

Capsule Geology

The Nat showings are located on the west side of Netalzul Mountain, 45 kilometres east of Hazelton.

Copper and tungsten are found disseminated in granodiorite of the Late Cretaceous Bulkley Intrusions (Geology, Exploration and Mining 1976, page E156).

On Nat A, there is a 10-centimetre wide galena and sphalerite vein in "greenstone" of the Cronin volcanics, an informal subdivision of the Upper Cretaceous Kasaska Group (Geological Survey of Canada Open File 2322).

Bibliography

EM EXPL 1999-80-84

EMPR GEM *1976-E156

GSC OF 2322

Date Coded: 1985/07/24

Coded By: BC Geological Survey (BCGS)

Field Check: N

Date Revised: 1991/08/14

Revised By: Ron McMillan(RHM)

Field Check: N

Location/Identification

MINFILE Number:	093M 016	National Mineral Inventory Number:	093M7 Mo1
Name(s):	DAISY GYPSY, NETALZUL		
Status:	Showing	Mining Division:	Omineca
Regions:	British Columbia	Electoral District:	Bulkley Valley-Stikine
BCGS Map:	093M025	Forest District:	Skeena Stikine Forest District
NTS Map:	093M06E	UTM Zone:	09 (NAD 83)
Latitude:	55 17 54 N	Northing:	6129802
Longitude:	127 00 22 W	Easting:	626589
Elevation:	1633 metres		
Location Accuracy:	Within 500M		
Comments:	Sample #1 (Assessment Report 3969).		

Mineral Occurrence

Commodities: Molybdenum, Copper

Minerals

Significant:	Molybdenite, Chalcopyrite
Associated:	Quartz
Alteration:	Silica, Biotite
Alteration Type:	Silicific'n, Biotite
Mineralization Age:	Unknown

Deposit

Character:	Stockwork, Disseminated
Classification:	Porphyry, Hydrothermal, Epigenetic
Type:	L05: Porphyry Mo (Low F- type)

Host Rock

Dominant Host Rock: Plutonic

Stratigraphic Age	Group	Formation	Igneous/Metamorphic/Other
Jurassic-Cretaceous	Bowser Lake	Undefined Formation	-----
Upper Cretaceous	Kasalka	Undefined Formation	-----
Upper Cretaceous	-----	-----	Bulkley Intrusions

Isotopic Age	Dating Method	Material Dated
-----	-----	-----
-----	-----	-----
-----	-----	-----

Lithology: Quartz Monzonite, Granodiorite, Dacite, Sandstone, Siltstone, Shale

Comments: Volcanics are informally named the Suskwa volcanics.

Geological Setting

Tectonic Belt:	Intermontane	Physiographic Area:	Skeena Ranges
Terrane:	Plutonic Rocks		

Inventory

No inventory data

Capsule Geology

The Daisy molybdenum occurrence is located on the northwest portion of Netalzul Mountain, 43 kilometres east of Hazelton.

The mineralization is hosted in the contact area of a granodioritic to quartz monzonitic plug of the Late Cretaceous Bulkley Intrusions. The plug intrudes dacitic volcanic rocks of the Upper Cretaceous Suskwa volcanics, an informal subdivision of the Kasalka Group, and clastic sediments of the Middle Jurassic to Lower Cretaceous Bowser Lake Group.

Sparse molybdenite and chalcopyrite are associated with a northeast trending set of fractures which dip 60 degrees north. The zone is 200 to 250 metres wide and is confined to the quartz monzonite. Molybdenite is disseminated in the granitic host rocks and also occurs as coatings and fracture fillings associated with quartz stringers (Assessment Report 3969). Local silicification and biotitization are evident, but not well developed.

Bibliography

EMPR ASS RPT 2663, 2962, 3047, *3969, 13924, 15186

EMPR GEM 1970-174, 1971-187, 1972-431

EMPR MAP 69-1

EMPR PF (Twin Peaks Mines Ltd., Prospectus, January 18, 1971)

EMR MP CORPFILE (Twin Peaks Mines Ltd.)

GSC OF 2322

Date Coded:	1985/07/24	Coded By:	BC Geological Survey (BCGS)	Field Check:	N
Date Revised:	1991/08/14	Revised By:	Ron McMillan(RHM)	Field Check:	N

Location/Identification

MINFILE Number:	093M 017	National Mineral Inventory Number:	093M7 Ag1
Name(s):	HIGGINS GOAT ROCK, NAT		
Status:	Showing	Mining Division:	Omineca
Regions:	British Columbia	Electoral District:	Bulkley Valley-Stikine
BCGS Map:	093M036	Forest District:	Skeena Stikine Forest District
NTS Map:	093M07W	UTM Zone:	09 (NAD 83)
Latitude:	55 18 26 N	Northing:	6130814
Longitude:	126 59 35 W	Easting:	627389
Elevation:	1600 metres		
Location Accuracy:	Within 1KM		
Comments:	Location of showings (Geological Survey of Canada Memoir 223).		

Mineral Occurrence

Commodities: Silver, Gold, Lead, Zinc, Copper

Minerals

Significant:	Sphalerite, Galena, Tetrahedrite, Chalcopyrite, Pyrite
Associated:	Quartz
Mineralization Age:	Unknown

Deposit

Character:	Vein
Classification:	Hydrothermal, Epigenetic
Type:	I05: Polymetallic veins Ag-Pb-Zn+/-Au
	Strike/Dip: 060/60E
Comments:	Attitude of sulphide vein.

Host Rock

Dominant Host Rock: Metasedimentary

Stratigraphic Age	Group	Formation	Igneous/Metamorphic/Other
Jurassic-Cretaceous	Bowser Lake	Unnamed/Unknown Formation	-----
Upper Cretaceous	-----	-----	Bulkley Intrusions

Isotopic Age	Dating Method	Material Dated
-----	-----	-----
-----	-----	-----

Lithology: Hornfels, Granodiorite, Argillite, Shale, Siltstone, Sandstone, Conglomerate, Coal, Carbonaceous Sediment/Sedimentary

Geological Setting

Tectonic Belt:	Intermontane	Physiographic Area:	Skeena Ranges
Terrane:	Bowser Lake		
Metamorphic Type:	Contact		
Grade:	Hornfels		

Inventory

Ore Zone: SAMPLE **Year:** 1954

Category: Assay/analysis

Report On: N

NI 43-101: N

Sample Type: Grab

Commodity	Grade
Silver	1924.0000 grams per tonne
Gold	3.4000 grams per tonne

Comments: Grab sample containing 26 per cent sulphides.

Reference: Geological Survey of Canada Memoir 223, page 46.

Capsule Geology

The Higgins showings are located on the north side of Netalzul Mountain, 42 kilometres east of Hazelton.

The host rocks are hornfelsed clastic sedimentary rocks of the Middle Jurassic to Lower Cretaceous Bowser Lake Group. These consist of sandstone, shale, conglomerate, siltstone, argillite and minor coal and carbonaceous sediments. A granodiorite plug of the Late Cretaceous Bulkley Intrusions occurs a short distance south of the showing.

The showings consist of a sulphide vein, 10 centimetres in width, and several quartz veins, 60 centimetres to 2 metres wide. The sulphide vein is hosted by hornfelsed sediments 150 metres from the granodiorite stock. This vein, which strikes 060 degrees and dips 60 degrees southeast, contains pyrite, sphalerite, galena and tetrahedrite.

Within the granodiorite, one of the more significant quartz veins is exposed in a 3 metre pit. This vein, 1.2 metres wide, strikes 075 degrees and dips 60 degrees southeast. Mineralization consists of sphalerite, galena, pyrite and chalcopyrite. A sample assayed 3.4 grams per tonne gold and 1924 grams per tonne silver (Geological Survey of Canada Memoir 223, page 46). Several other quartz veins occur within the granodiorite on the property.

Bibliography

EM EXPL 1999-80-84

EMPR AR 1917-106

EMPR BULL 10-71

EMPR GEOLOGY 1975-P72

EMPR MAP 69-1 (#228)

GSC MAP 971A

GSC MEM *223-46

GSC OF 2322

GSC P 44-24

Date Coded: 1985/07/24

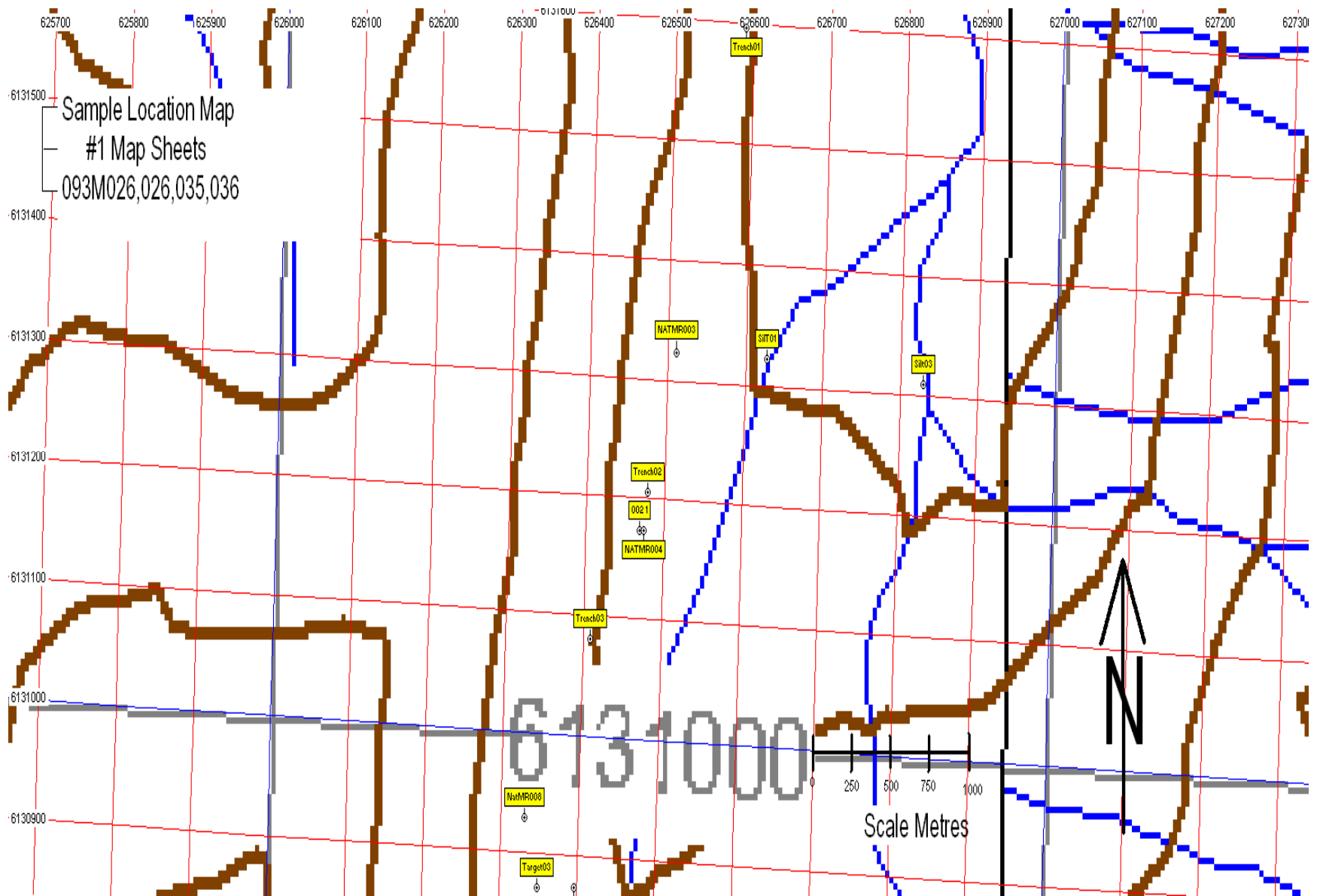
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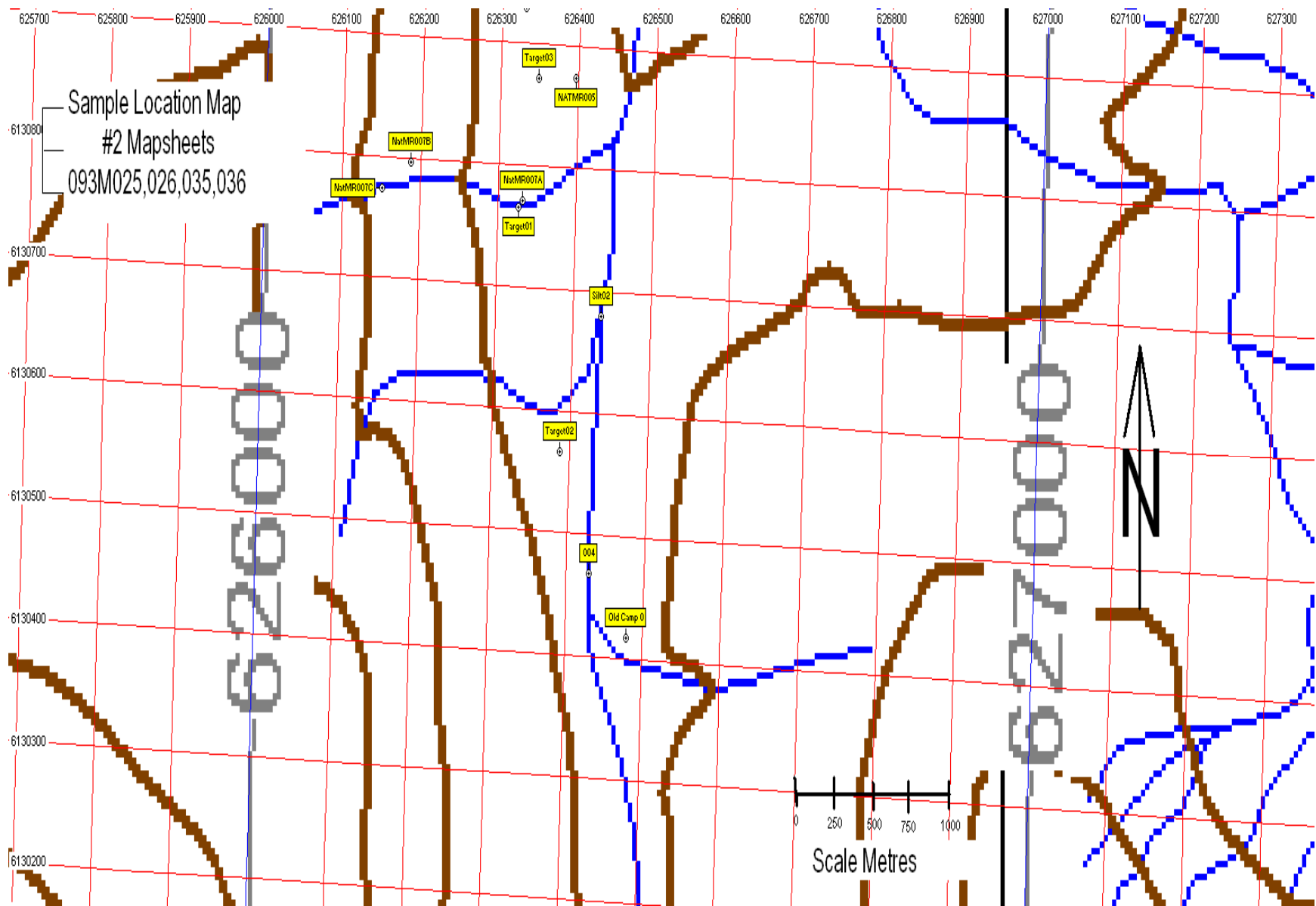
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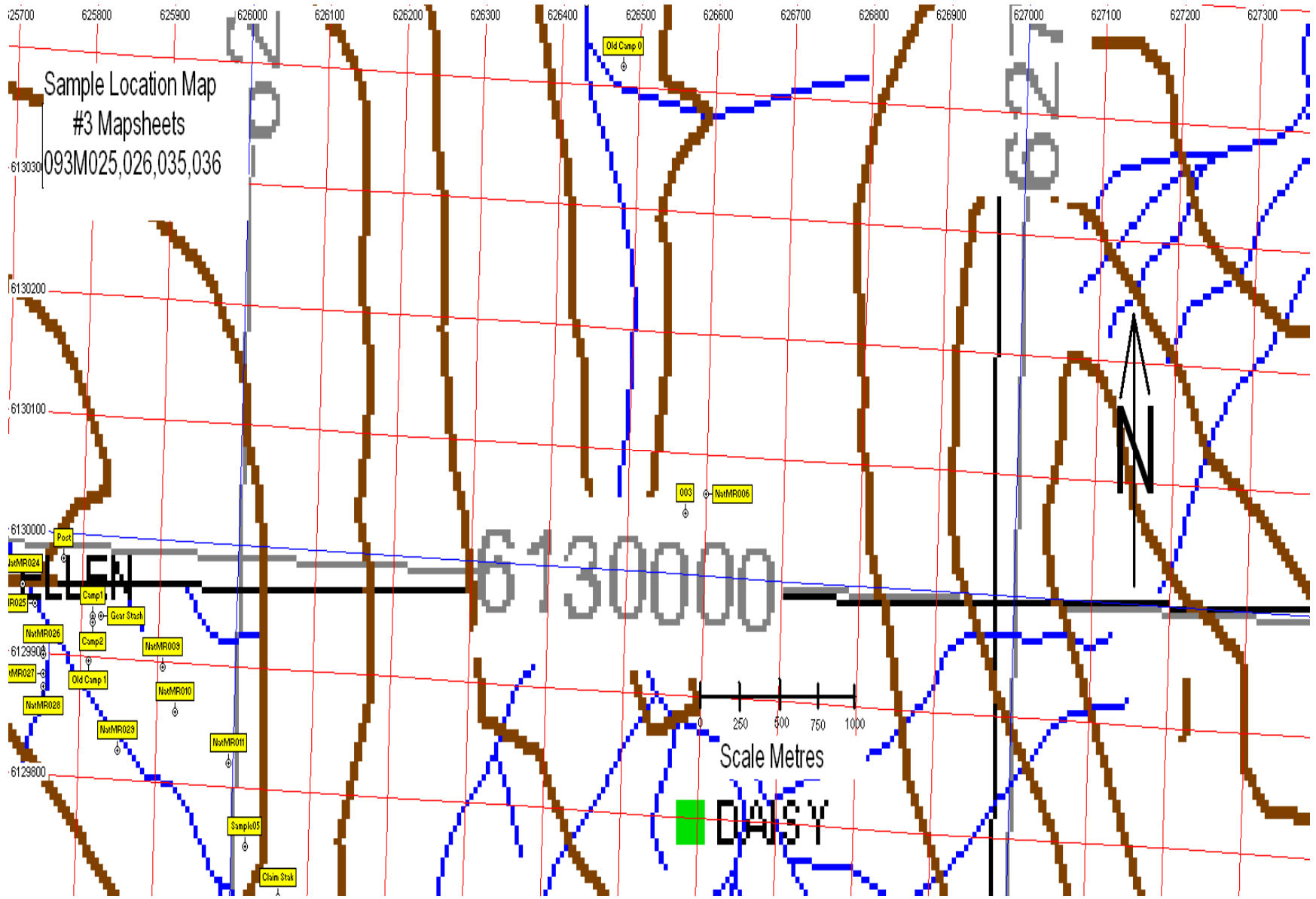
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Revised By: Ron McMillan(RHM)

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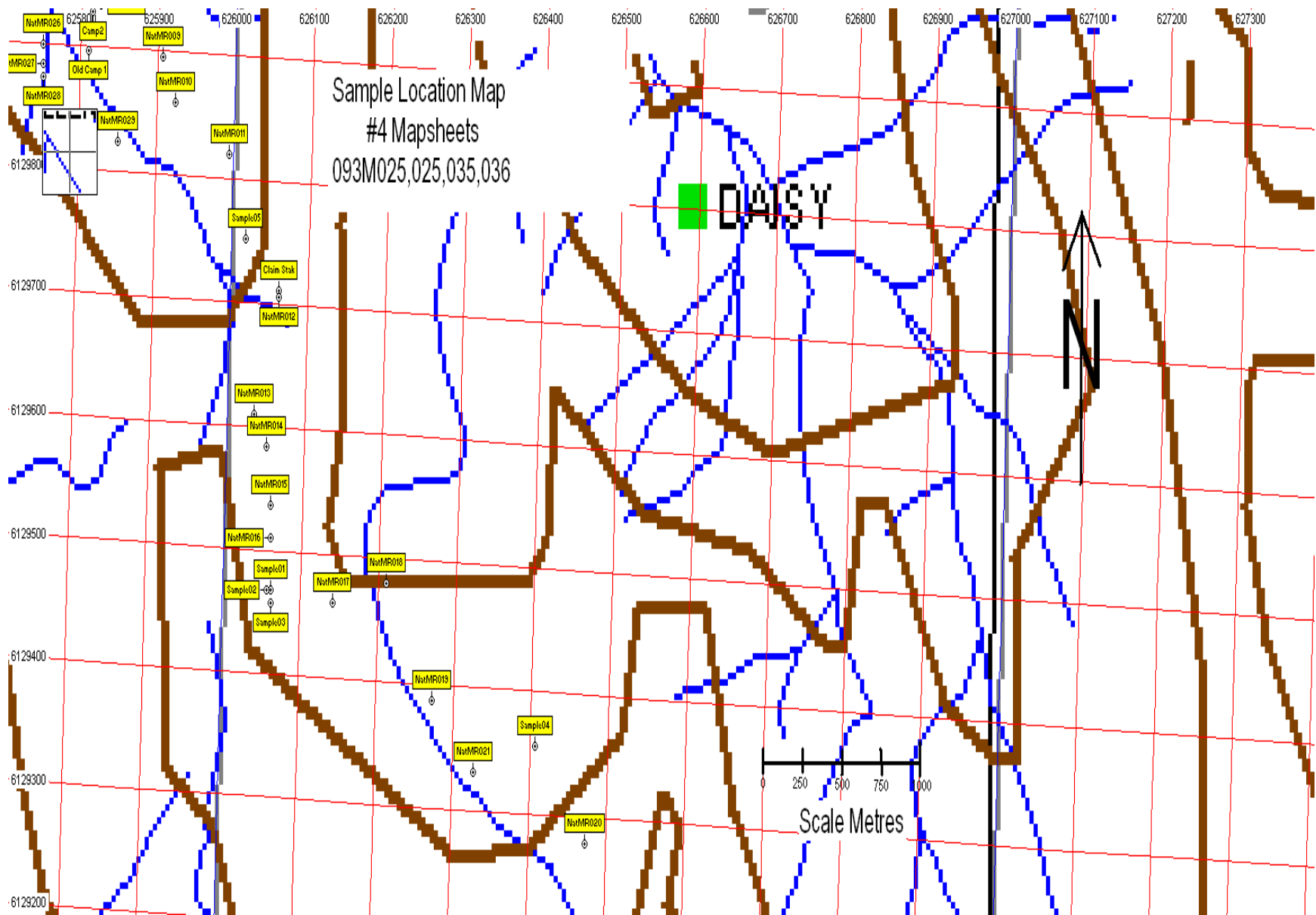


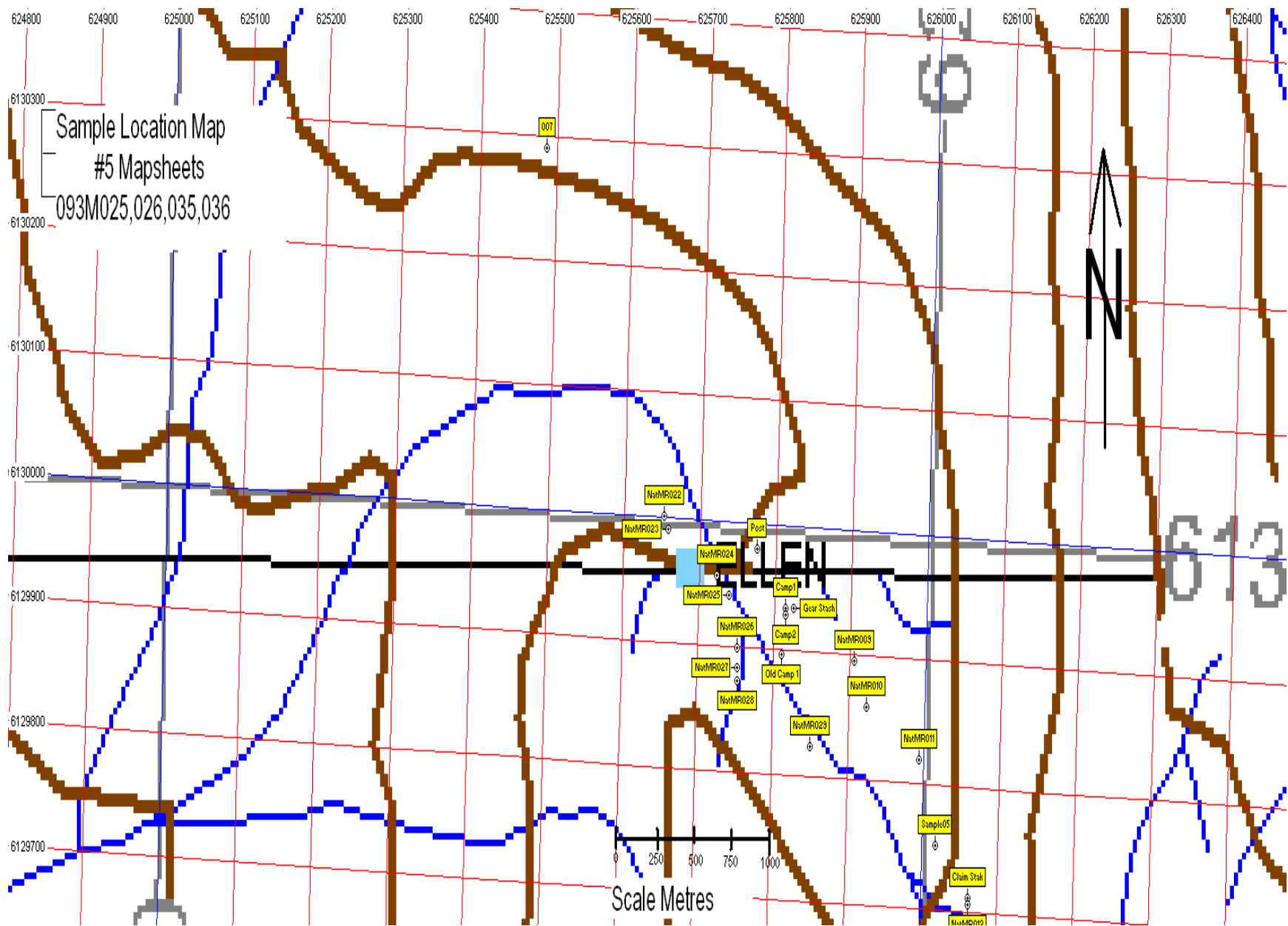
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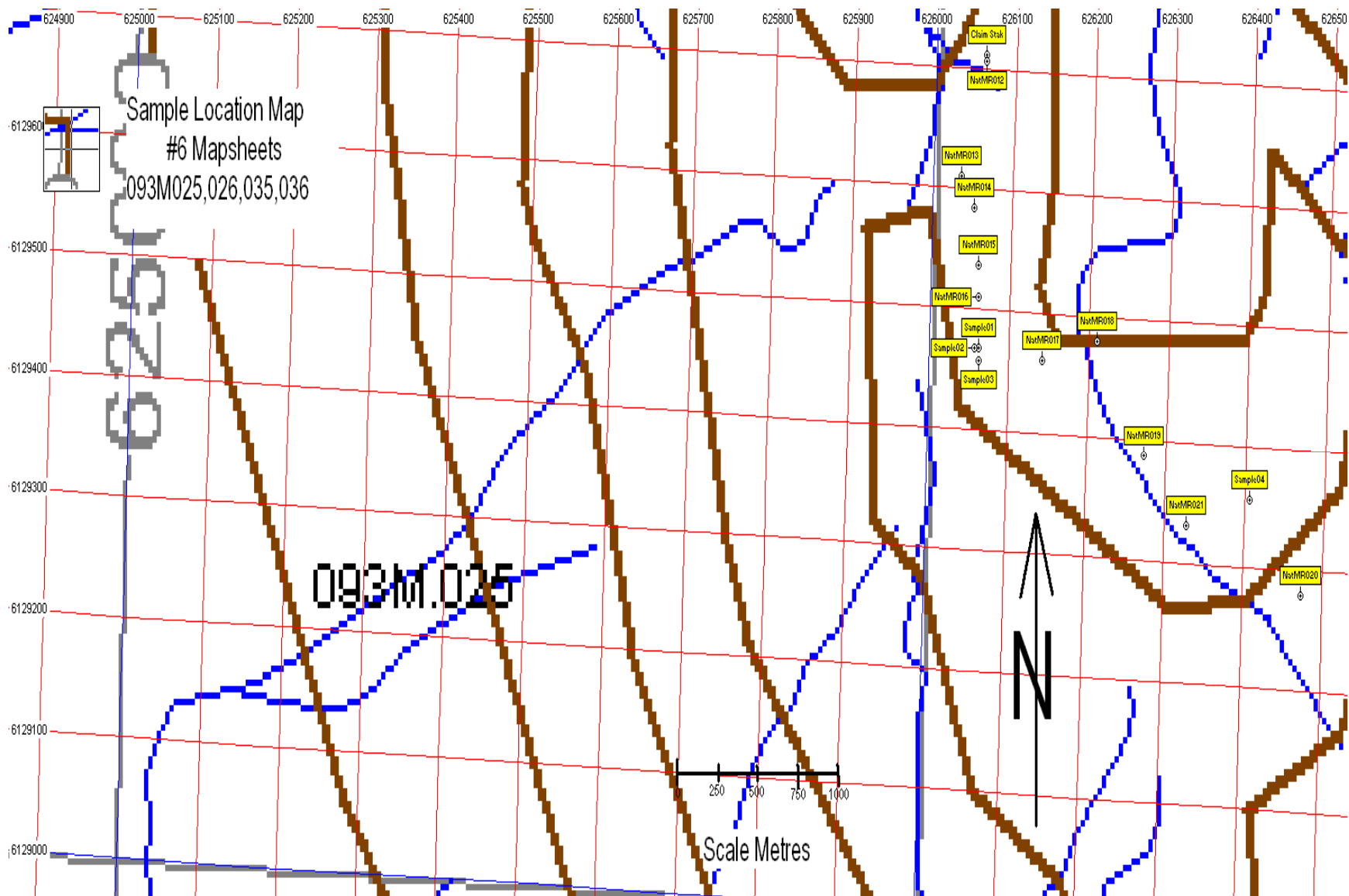
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Scale Metres

DAISY







Chris Warren

Statement of Qualifications

Prospector Field Supervisor

1989- Completed the Smithers Exploration Groups Bush Skills course worked at Duckling Creek as a Geological Assistant

1990-91- Assisted to instruct the SEG Bush Skills course worked at Johansson Lake as a line cutter

1992- 1995 – Worked for various exploration companies doing Line cutting , grid layout, claim staking, soil sampling, placer mining, trenching, drilling.

1995 – Present – Worked full time for CJL Enterprises Ltd. Claim staking, grid layout, small job foreman, camp construction, soils, silts, rock sampling, prospecting.

Currently the Operations Director for CJL Enterprises Ltd. Smithers B.C. Canada a small exploration services company.

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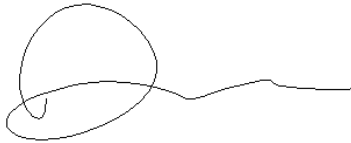
STATEMENT OF QUALIFICATIONS

I, J. Mark Ralph, served as field supervisor and the primary worker for the data collected within this report entitled "Prospecting Report on the Nat Group of Mineral Claims", and do hereby certify that:

1. I am a geotechnologist operating as a contractor under CJL Enterprises of Smithers, B.C. for **insert client here**
2. I have received a certificate in prospecting from West Viking College, Stephenville, NL, Canada in 1996.
3. I am currently a 4 year geology student with Memorial University of Newfoundland, NF, Canada.
4. I have been practicing my profession since 1996 and have over 9 years of continuous experience in mineral exploration for base metals, gold, PGE, and uranium.
5. Was actively involved in all aspects of the field operations and evaluation of data contained within this report.

Dated April 10 2010

Signed

A handwritten signature in black ink, consisting of a large, stylized loop followed by a horizontal line that tapers to the right.

J. Mark Ralph