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"Rite in the Rain"®
WEATHERPROOF
MEMO BOOK
No. 391—36

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Prospector Asst Notebook 1988

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June 5, 1988 30% cloud cover

Objective: check out tributary of Upper Slp Creek showing anomalous Au, As geochem - take strm sed samples / pan + V outcrops

Doing something right - but need work on timing - ret flagging "105 F10 317" indicates others have same objective.

2 sets grizzly tracks - 5"+6" also caribou + wolves

(1) Sample F101 Dark grey aphanitic igneous rx w/ trace (~1%) sulphides; also qtz-tan rock qtz w/ rusty vugs + a tan qtz / schist/phyllite mixture is ubiquitous, these rx aren't simply metamorphosed but tortured. (rain / hail)

@ "Collar" 12' thick shale outcrp < 5% dip

(2) 105 F102 strm sed sample

(3) Rx Sample 105 F10 3* in sub-basin

(4) " " 105 F104* "

(5) Strm sed Sample 105105 @ split in strms

F106 @ (6) just below basin float sample containing disseminated pyrite, poss. chalcopyrite (?) + magnetite (grey streak). Also lenses of bladed/needle green mineral & qtz. Rust stain through out rx. No corresponding outcrop found

F107 strm sed sample - below pk creek trib confluence

F108 strm sed sample ~20m upstrm of confluence pk creek trib

F109 strm sed sample @ main cirque trib

F1010 " " easterly trib below PK trib

Both 9+10 above show pretty hvy mineral staining in creek bed (rust). All sample sites were previously strm sed sampled with exception of F1010 - maybe they missed something worth while

June 6 sunny/clear 105F11

Obj. Investigate Andrew Falls Creek good outcropping, Noor ground hog ck activity, faor pyrite + limonite crystals/stains found here

* rx samples w/o analytical value

previously, remains of small cabin - miner(?)

① At + above falls 100's' outcrop - grey xtln limestone w/ stringers + white + tan limestone/dolomite (also crystalline). Bedding horizontal w/ some deformation. w/in layers - Fe stain intermittent, some 1mm² pyrite xtals @ base of last falls; pyrite flakes in some Rx's. Layers of a grey phyllite shale everywhere - often thin + the crystalline limestone are wrapped around each other. The grey rx (shale) has nice silver sheen - almost graphite like layers between them

② several 100' thick layer of shale - some w/ graphitic sheen but most earthy grey - layers of limestone/dolomite intermittent

F-11-1 sample - limonite stain in assoc w/ cryst dolomite (limestone in shale - some mineralization (metal) 1mm w/ 10mm halos - some "apple green" stains on $CaCO_3$ border

@ 2 FeS seem to be assd w/ cryst $CaCO_3$ layer w/in shale beds.

These beds strike E-W + dip slightly 5-10°. Shale becomes calcareous & deformed up crk - very sparkling display

Traverse along N-slope of ck impossible - cliffs (same material). Several large eagle nests. Interesting "box work" formation in some cliff faces. Too big area w/o specific target

From boxwork rx to ridge top (~800') everything metamorphosed. dips from 0-90°. cryst'l $CaCO_3$ is more resistant than the shales and is left hanging like corrugated metal sheets.

On ridge same rxs - lots of 'rust' on $CaCO_3$ float

(5) near pk - F11-2 sample dark basalt like rx w/ nodules of mixed material - feldsic - some pea size most bb size. Rust & micas w/in this nopic rx type (also holes) Fair amount of this rx type about on ridge (float)

As peak is approached (100-200' above ridge level) rxs tend toward green (F113); Some granite type rxs w/o qtz, lighter rxs have weathered rind of brown-tan, sometimes comprising most of the rx. Trace of pyrite in rxs.

According to geol map fault running just east of peak. Snow covers most of this fault area (esp north slope across ck). Related or not (to fault) big (2') chunks of oranged stained rx lie in N-S line in that area. Orange dirt further down, below outcrop area. Hematite like rind on some rx ($CaCO_3$) South end of fault covered (veg) or snow - orange rx + limonite sample taken F115 F11#

June 7 Obj try to reach below off crk w/ previous placer claim to determine value (Au) sink 2 - 3'x3' shafts

#1 float - most rx types

seen previous days - exp
CaCO3/ graphitic mosses. Gave up at 4' - H_2O level - no hoy's panned out in any layer #2 to 6' caving in - apparently all glacial till (water in area) No hoys panned out. clay layer at 3' w/ H_2O on it. larger gravel below clay. Ground frozen at clay layer.
No placer value est. no bedrx value. Apparently the lapie valley has had 'recent' glacial activity. Are other placer claims on trib to lapie w/o any sign of work (bacon ck, boulder ck)
June 8 - town - deliver samples - get better boys etc
June 9 - Obj collect more detailed geochem samples for geo chem anomaly on LL tributary of Bacon Ck 105F14
Some mineralization (sulfide) on lower Bacon in general area covered by lapsed Zipper

Claims - samples F141 & 2
Also some mineralization in grey 'tuff' or slate. samples F141-2 are stained dark grey 'tuff' that resembles hematite on weathered surface. disseminated streaks of silvery metal - magnetic - pyrrhotite/magnetite. All rocks in area w/ rusty "oil slick rainbow" color on outside have some metal in them. Rain clouds [illegible] crk up.
Bear sign everywhere digging etc makes it difficult to concentrate - mosquitoes now out.
1.5 km down from old crk, small 1' wide creek - very rusty; when creek turns easterly it runs clear (just before entering Bacon) other "crks" in area nearer slope also rusty. Climb mtn above area - Slaty/shale F147 + granite boulders F143 - black aphanitic tuff F144 layered light pink limestone w/ layers of black shale? (rancale).
Creeks peter out ½ way up mtn - re merge further up. large granite boulders - yellow w/ pb - wet bugs
willow

F145 ~~red~~ sandstone w/ some calc matrix F146 - ~~green~~ green white ~~bedding~~ Many Rx coloration of purple limestone & green green? Rx tend to mafic near ½ way up arete (to cliffs. One rx ubiquitous equi granular dirty dark w/ biotite & rust grains only recognizable features - some green in matrix - all silt size.

1 Black bear - lots of grizzly tracks

1st lupine in bloom

Still some limestone / shale / graphitic shale metamorph Rx as @ Andrews falls. (June 6)

Very little rust in Rx @ ½ pt.

Enough rain to drown a fish

at cliff (F148) some chlorite schist, bedrx mostly welded tuff, slates & shales ; Fe stains w/ shales

F148 - iron stain ^zone w/ disseminated sulfide Very hard fine grained rx - grey & red silt size (fine) particles disseminated ~~mag~~/pyrrhotite? // Strike = westerly dip dip 15°, bounded on top by 20' of finely bedded, deformed shale/slate, below by same w/ 6" beds of calcite

This rusty bed runs length of ridge (cliff) 1Km - several diff beds at diff elevations.

Rx w/in stained layer breaks vertically in 1-2" layers

Same ^pattern further up outcrops 4' ξ

	Slate
|||||	stained
	calcite
	Slate

At camp - bear sign everywhere

creek rising rapidly! move camp?

June 10, 88 - Sunny

Obj - same as yesterday ; Geol maps show creek in question being bounded on West by a large thrust fault & on east by small steep angle fault - if mineral (sulfide) occurrence are fault related as per Aldot will consider outcrops as well as strm geochem sampling. Interestingly creek opposite this - ~~ry~~ running N on opp side ~~of~~ mtn (Fox crk drainage) along thrust fault also shows anomalous As & Au (lower) - if snow cond. warrant will go over top rather than cont. up Bacon.

F1410 - geo chem sample - blue flag on watery valley drainage outcrop looked at yesterday - Turns out H_2O mostly comes from main creek - refer to it as Martin Creek for outfitter good enough to maintain trail up canyon

Voila! rx loaded w/ pyrite/magnet. tuff like grey w/ orange stain on ½ of rx. also siderite limonite + crystals of ? brown/grey H-4-5, strk-black; earthy luster near limonite. (F1411) also rx has veins of dolomite + black material thru out to give gen. grey apperance.

Valley full of outcrops & red/orange stain not widespread in size through. Outcrops on east side (200' above crk) orange w/ lichen w/ magnetic material in stained (rusty) veins - outcrop S-easterly ∆ 40°

40' shale w/ 2-3 of stained 'tuff' dol. w/ metal disseminated. lichen (orange) seem to prefer stained Rx. stained layers in shale are w/o metal less metal in upper portion of

4' wide "tuff dol. vein"

F1412 - near F1411 - both angular float in hill sluff on west side of creek/canyon.

F1413 strm sed L.L. 1st crk (lowest) Abundant pleasant light purple aphanitic rx H 5.5 banded w/ green shale. Mineral stain float above F1413 w/ magnetic metal - rx type like F1408 (yesterday) Lots of moose sign - rutting trees.

Bedrx L.L. between canyons - tuff type w/ some pyrite/rust particles - 5' above this shale 10' w/steep dips 40° or so; easterly strike

F1414 - Strm sed sample L.L. Martin crk drains large rimrock basin w/ orange gossan

4 single moose antlers (discards)

L.L. 3rd ck going up orange gossan - can't cross crk to sample - will attempt further up

Across valley from said canyon both orange stained & iron stained Rx show magnetic element 1-2% thru out entire rx. orange stained rx are aphanitic light grey, hard w/ some calcite band

bedrx underfoot trending N-S ; dip 40°
Slate grey - no min. sulfide

June 11, 12, 13, 88

Obj look at upper basin collect
remaining strm samples

F1415 - strm sed sample - LL 3rd up
F1416 " " " LL 4th "
F1417 " " " north fork
F1418 RL north fork
F1419 " " " east fork

@ F1416 location rx sample
Top limestone w/ 1mm inclusions of
arsenopyrite / pyrite - some brecciation
also a well consolidated shale w/
dissem arsenopyrite / rust streaks +
equi gran grey rx (ign) w/ same metal (float)
at F1417 site magnet dark grey rx
75% + metal - skarn also bladed
greenish rx - actin like (from cliff)
also limestone - greenish fine grn - equi w/ red
bladed structure in beds. 1/2" also dark rx w/
chunks of pyrrhotite / magnetite
(assay dark rx F1417A)
F1417 rx from cliffs - 20m x 100'+ stk
E-W dip 60°. Calcite bands well defined.
Pencil lost for 3 days - Area is
mineralized - skarns over large area

either small ones or a large single ?
(See map for gossans)
Entire upper ridge in brown (22 - 26) is
on orange brown shale
at 20 - shale w/ pyrite crystals
green w/ "orange weathered surface - no $CaCO_3$ -
F14 21 - Calcite band - 5mm in grey/white
hard rx w/ pyrite x-tals
" 22 - gossan dirty orange like w/ -
sparkly grey/white crystal rx in contact
w/ 10' x 50' ??? (mainly) magnetite rx - try
magnetite (assay - 22 mag)
" 23 " as 22 non magnetic w/ 1/2" pyrrhotite x-tals
" 24 " "
" 25 - grey crystalline limestone w/ arsenopyrite
x-tals
between 25 - 26 - 2" fish fossil in dirty orange
shale
" 26 malachite w/ limonite + pyrite (1/2" veins)
out crop in metamorphic shale (no calc)
w/ pearl like luster - 2' x 6" out crop of malachite
pyrite veins (assay)
" 27 ~~gos~~ as in 25
F14 28 - completely new rx - dike material
(on geol. map) biotite xtals in $CaCO_3$
limestone matrix -
Very interesting area - not in land claims

Stone sheep below 27, one grizzly seen from camp near sheep. I close encounter w/ wolverine - respected. wolf tracks - 3 ... go 11 ... bluff ... - snow ... on lee side of ridge, Rain.

June 14,

Obj. Walk along fault going from lower groundhog ck and running into the tributary of upper ... ck investigated June 5 - No outcrops below treeline - some float - everything from loose shale to granite.

F11X1 - pyr ... ... in compact crystalline green ... At same spot F11X2 2' piece qtz w/ spots of malachite + pyrite ... assoc w/ a chlorite/shale/schist - rain

@A rust stained float ... chlorite schist w/ same metal ... graphite/calc schist w/ qtz ; A→B schistose shale (graphite) & a grey sandstone rx w/ rust spots ;

@B Qtz vein w/ ... blocks & calcite bounded on both sides by schist/shale corrugated around qtz. Peak much metamorph - pyrite/... in small amounts throughout.

F11X3 - float on top of ridge - arsenopyrite in iron stained dirty shale w/ a

fg veinlet (1mm) running thru it - min. only to qtz. Yukon Minerals' Camp w/in spitting distance. -250 g/ton Ag

Snow impedes more careful exam of area.

F11X4 @ ridgetop grey shale/schist (assay) w/ 20% arsenopyrite - iron stain (float)

F11X5 - grey carbonate schist w/ orange rind from float 10'x6' piece

F11X6 schistose/shale w/ pyrite (assay 10%) (float near X5)

Above X6 - outcrop - 4' loose dark shale w/ rust layers 1" thick approx every foot, then 6" slate w/ calc/qtz veinlets, " 6-8' more dark shale w/ some 2-6" brown weather layers.

@C. Large 1"x1" pyrite crystals in rust pitted "granite" rx. dirty med. grained, stained rx w/ a fair amount of $CaCO_3$ giving it a tan/grey appearance. chipped out 2 nice dice size crystals ; followed float to source 100 yds up @ ridge top. rx contains large ... of pyrite - some good shape

Stain - ... - rx only to crystal out crop (float.

June 15 Anniversary. Cont. to

investigate along fault - but what [illegible]
of creek. Little bedrx [outcrop]
in canyon bottom/sides.
F11X-8 float pulled, rusted boulder float
dirty limestone bone ~~[illegible]~~ coated
with mangled xyst $CaCO_3$

F11 X-9 pulled brown dirty rx w pyrrhotite
30% - rusty - $CaCO_3$ matrix
Much more float on this side of
crk below tree line. Qtz, [illegible]
shale, most rx examined contain
rust - usually as disseminated specks;
@ D Qtz boulders w/ minimal rust
stains - pyrite xtal in qtz. Bedrx
area above under snow drift - must
be DEEP in winter here.
F11X10 - float pyrrhotite in fine grain flaky
hard rx - gray w/ rust - dirty
rust outside - some $CaCO_3$ within;
trace uphill then disappears -
much dirty range on surface - easy
to trace. directly above confluence
of 2 crks, same elev. as pass (SE)
F11Y-11 2'x3' float - qtz vein [illegible] or along
dark [illegible] (paper) gneiss - lots
of pyrrhotite. - approx elev of lake.
+ E of cliff

HARD Rain @ cliffs 9" qtz
vein (15' long). Strike ? Dip
70° cuts material like X10; mineralization
along qtz veinlets but soon
unrelated to large verticle qtz vein
X-10 rk is orangish bounded above
by E-W shale bed [illegible]
by schist bed
F11X-11 taken; qtz vein pulled
to right upon hitting shale over,
then disappears. Shale turns
to [illegible] like schist - very rotten.
bed St- N-S Dip 70° - schist
above 20' of shale
@ E rotgue outcrops slate [illegible]
@ F pink qtz + pinkish massive
chert.
June 16 Obj - investigate LL trib. of
Fox creek approx 8 mi above
canal crossing. An anomaly (geochem)
"creek" found w/ difficulty - not
running into fox creek - flow only
in upper reaches
Rx much diff than in other areas
looked at. Mostly a black
aphanitic, massive Rx. Some w/ [usually]
qtz bands. These bands are 1mm
or so thick and go in all directions

Bedrx is of this material in crk bottom at (A). Strike perpendicular to crk & is fractured into 2" slices - perfect sluice box riffles - well pan. The other predominate rx in the lower reaches is a light tan aphanitic, hard siliceous rx - will call it a ryolite (?). The only Fe staining so far is found in a dark grey crystalline rx w/ qtz stringers & some green mineral patches - sample F14X1
@ B a shale layer is intersected! - friable 100' thick - strike ⊥ to crk dip 55°. In the middle of the shale layer is a 20' band of grey aphanitic rx w/ layers of low grade serpentine. The shale has some calcite layers & some rust.
Some very weak breccias (conglomerates) found. Also some stringer shales & orange yellow skinned grey aphanitic rx alternate to F14X3
(F14X3 - dark fine grained grey/green w/ some minute mineral xtyls - pyrite w/ rust stain)
Also found but rather uncommon the 'ultrabasic' rx w/ & w/o stringers - has a red coloration - not iron stain - but like a red silt stone - Some RX are more red than black (F14X4)
(creek ends below X3)
@ C nice example of vein contact - u.b. rx cut by 4' light grey tan coated aphanitic rx w/ some pyrite & ½" pyrite phenocrysts - at contact grey rx is chlorite schist.
Creek bed beyond C is 'straight up - take hogback ridge to west - also "straight up". cut grey stone & shale alternately upslope. Shale takes on tan coat. No actual outcrop of the "ryolites" encountered or seen. Some reddish banded qtz @ D
E - tan silt stone - very little mineralization in rx of drainage
Again lots of bear sign at least along Fox crk - one 7' at least. Literally attacked by ruffed grouse. Floral bouquet above tree line is in full swing - 1st forget-me-not near tan silt stone.
6-17 - cont. looking at area
Pan creek - not encouraging - little to

No Heavys; Dissinigrated (Grey) Shale forms a hard pan clay ⇒ the loose conglomerate & breccias - quite hard. silt sample F14X5 taken, X6 taken from near ridge top w/ shale/red layers. @ F "Strm Sample" no H_2O in crk. drains similar basin to last one (F14X7). True breccias & sandstone no sulfides seen but occasional iron stains

F14X8 - arsenopyrite float (mislabeled F11X8) assay - massive arsenopyrite on three fist size float on river bar - sub rounded w/ mica/limestone stringers on dirty silt stone.

Sample Strm sed on all LL creeks on 105F14 to S. canol F14X9, X10 return to F14X8 for rifle

9/19 105F/11 obj check out mountain west of 1st Lapie LK

(A) on creek draining west face chlorite schist grading to shale w/ numerous veins of qtz ½" to 9"+ - generally along bedding plane ((dip 15°) strike E-W); adjacent to qtz vein deformation of schist - schist is greener + inclusions of aphanitic glassy green mineral (graded from chlorite?) is common. Much brown "dirty" coating w/in vesicles in qtz vein. also moss green (possibly biologic color) in assn w/ qtz along fractures; Some chlorite w/ rust particles - rust common in qtz - some very rusty; S-1 sample Rare submetallic flecks in qtz - also gray/black submetallic coating in assn w/ qtz - possibly metamorphosed schist ?? ; ⅓ way up ravine dip & strike seem to reverse ~ Stk N-S dip 5°? ; qtz veins are sills & dikes; bedrx exposure range from 200'+ (ridge top to ravine) to 2' along entire ridge - much qtz through out.

@ B conspicuous cut (fault?)

connecting 2 ravines - milky qtz w/ chlorite inclusion & some pyrite/mag xtals & rust, also xtaline $CaCO_3$ + grey hard aphanite igneous float. S-2 sample taken for possible assay - later identification;

@ B-C pinkish schists w/ minute spots of rust. Texture is silty w/ much qtz but massive, milky qtz rather than rusty veins qtz at A

@ C granitic float - also granular mafic rx @ D large granitic float. D-Lake as (A) schist w/ some qtz.

9/20 Look at same ridge top & any obvious mineralization at old LAP claims.

@ A tight schist - greenish

A-B talc schists w/ qtz veins though not as common

@ B ravine below LAP 'gossan'; little granite float + porphyritic schist - some quite resinous luster - some flakey; Red rx outcrop w/ E-W strike 5-10° dip?, still qtz layers in schist 'jumbled'. Some small metal flecks & considerable Fe staining in some float.

Considerable muscovite mica w/ qtz & crystal $CaCO_3$. At Gossan orange limonite & soil, red stained purple schist; also a white schist; 3 rock types in talus slope, 1) massive clear qtz w/ Fe stain; 2) Purple schist w/ & w/o stains; and 3) Limestone, white qtz mix.

N-S strike of purple schist 70° dip E @ gossan (S-7); signs of previous staking. 50+++ ptarmigan; all sample w/ outside all show metal - Samples taken @ gossan & in talus for assay. S-7 @ gossan; S-3 to S-6 + S-8 in talus. At North end of ridge another red/orange gossan (C); staining all along C-D ridge. Good staining / some gossan / metal flecks all along ridge, including a light green aphanitic rx (like S-8) w/ phenocrysts of pink plagioclase; $CaCO_3$ bed @ (D); w/ qtz vein, w/ stain throughout ridge @ E (notch) orange 'gossan' 2 m across of orange quartzite - staining at F (small 'gossan' like E)

9/21

Obj: Poke Around Rite Claims (north of Bornite Mtn) + surrounding area. Rite claims reportedly have Ag Pb Zn showing. I'd like to see.

Ascending ridge from Kogoluktuk River noted some white + pink granite float - on steep section dirty quartzite w/ peppers of rust, also tuff (1-5mm pieces) again w/ rust specks thru out + a fine grained grey rx, again w/ rust. One outcrop of breccia. At one point tuff outcrop on top of grey rx - dipping to N @ 80° strike E/W. At crest of ridge (A) 'grey rx' grade to black. at B (along possible E-W fault) conglomerate outcrop N-S strike vertical w/ sandy matrix. 3-4 yr old flagging + some older claim posts no sign of Pb Zn Ag mineralization.

Adj to conglomerate outcrop is a purple qtz/fine grain tuff - @ C 50-100 yds down ridge - orange, dirty multi grain sandstone - grading to red on margins. Across "fault" from congl outcrop - shale outcrop under grey rx w/ small bb's of metal - very little + rusty

One piece of shale w/ rosette of metal crystal (sample taken)

On north side of pk red/orange float w/ 50% green phenocrysts, outcrop on edge of actual limestone pk (D); outcrop of both nearly verticle w/ E-W strike.; whole of peak limestone/cryst. limestone + some small amount qtz also some black limestone; all upper limestone outcrop uniform. Entire area has been staked + restaked several times. 4 samples taken for curiousity sake - no econ/sci value.

Down east face tuff below limestone cap thru ~ 5,000' level vert. shale layers w/E-W strike to overburden a few 100 ft below - more claim posts - (30-50 yrs old?) 4 caribou 2 cows 2 bulls + bear sign. Much less snow than at Lapie Lakes very different climate in very few miles.

9/22 wife's birthday Look up boulder creek - drains opposite side of ridge on "Martin Creek" looked at in June which had skarn material on it.

9/22 (cont)

Most of day spent in "tree covered area"; green + purple gneiss + hornblende, granite float (on lower slopes no granite bedrock - float to 2 m diameter) Talc schist outcrop @ A 30° dip N; strike E-W several outcrops w/ elevation on Boulder crk side of ridge; (B) outcrop of very messy rx - no pattern? but some version of purple/green gneiss w/ qtz / siderite (?) inclusions - very jumbled. a black/brown stain thru out outcrops - 100's ft N-S strike, 2/00 dip to ridge top; qtz is tan. The gray stain (like rust in places) almost seems like a non metallic heater 'metal'. Granite float all around - no actual contact between granite - gneiss found. Hvy wet snow starting to stick (above 4,000') Sample S-11 metal streaks disseminated thru out green portion of purple green gneiss - very jumbled rx, qtz vein (tan to clear) intersect vertically with very apparent change in wall rx - S-10 (green rx w magnetite)

9/23 - Andrew's Birthday - Hvy wet snow sticking below tree line Obj: investigate ridge area north of large creek flowing into Lapis Lake #2 - search confined to area away from ridge & creek having probably (?) been examined clearly very SU close to ground hog.

Very little float below treeline - @ A (treeline) grey schist, bedding horizontal w/ qtz veins in all directions - very contorted beds.

Crystals of a brown mineral - cubic $h < 5 > 3$; strk light brown; xtals in assn with qtz & "clay" (border of qtz - schist) layers. xtals 1mm to 5mm sq. Do xtals appear to be pyrite.

@ B contact - below schist bed showing

Grey aphanitic rx w/ metals pyrite veinlets & 5 mm qtz veins w/ white metal assn (probably magnetite) rust on qtz border (sample S-13) @ C outcrops as at A w/o x-tals very little rx showing - ✓ for W & tetrahydrite characteristics - anomalies

9/24 - Obj investigate area of S.W. Bacon creek stock (105 F/14) between Bacon Crk and boundary creek. Hvy wet snow again.

Lots of steeply easterly dipping outcrops consisting of gneisses - greenish / white / purples as up Bacon creek; nearer road 2 mt granodiorite float but never saw actual contact between intrusive & anything else. Fair amount of rusty staining on outcrops but little to no sulfides as at LAP claims or up Bacon creek tributary (Martin). Sticking snow inhibits good look at float - esp in 'gullys'. Lots of vertical outcrops but wet wet wet. Nothing of economic interest or assay value collected/seen (in my opinion). Hard snow this is ridiculous.

6/29 on map sht 105 P/7

July 21, 88 rain lowercoat

Obj - ✓ out Rock creek - interest in high Ni Cu Fe geochem readings from govt maps

@ (A) bedrx outcrop light green vein 1' thick 75 dip - S strike w/ ½" veinlets + smaller of qtz. Lots of ultra basic float + "serpentinized" rx - lots of light green rx (chlorite?)

(B) shale layers lots of mini folds - 1', some shale quite compact. Lots of mineral (iron) stain. some "veins" of pyrite (v. small) pyrite crystals. Also 1mm veinlets of qtz. Shale layers really twisted all different dips/strikes within area B - samples G2-1 (2) shale w/ pyrite. Creek very high - must have been 10 cm rain 1 wk ago. much mud/rock slides + sluffing of banks -

C. float asbestos w/ malachite sample (2)

Large exposures of tan rx in hillside 1000' above much ultra basic + ultrabasic w/ dark green particles G2-2.

Across creek from C -

bedrx outcrop shale w/ different amount of iron stain within ~ 1-4" layers variable ~~strike~~ dip but steep - near 80

upstream a contact with dark "~~[illegible]~~" squigular rx - biotite chlorite at contact in a light grey aphanitic rx - large percentage of pyrite (20%±) - ~~[illegible]~~ also stringers of white limestone + iron stain on biotite chlorite rx.

Fair amount of 'dense' black aphanitic rx - w/ serpentine on ~~[illegible]~~ - ~~float~~ + green flakes w/in - H<5 but difficult to break;

Also black rock - dense/hard ≥6 w/ purplish 'biotite' flakes + some mineralization - probably pyrite G.2-3

Directly upstream from above ryolite w/ qtz vein - 10' thick ~90° dip strike - E-W - w/ iron stain

Tremendous amount of recent erosion

Strm sed sample @ (D)

July 22 - Take strm sed sample on "cliff creek" (E) Investigate

6-8" qtz vein NE strike 75° dip has small amounts of dentritic chalcopyrite

+ lesser amount of sericite
(Thought I'd found all eldorado for
a second) where qtz veinlets
1-5 mm enter adj dirty light green
aphanitic rx w/ some iron stain.
Also stringers of calcite in immed
vicinity - took sample for assay
G-2-4. Recent flood have exposed
lots of bed rx.

STRM sed sample right limit
yesterday creek (F)

(G) 50-100' black bedrock bed
'X' creek strike NE
across basin sampled at D
yesterday. dip steep 70°?
Take strm sed sample on creek G2G
100 yds from confluence. rain rain rain
Rock in "black bed" is magnetic,
H<5 w/ green ~~flecl~~ flakes.
@ creek about 50% of rock (G-2-5 like)
is red purple flakes.
Some sulfide specks seen in
ub rxs

stream sed sample on trib
towards 9 creek (H) G-2-X
Shale w/ calcite bands common on all
trib.

fair amount of green rx - all
shades - some asbestos fibers in
a few rxs also some malachite
All ub rx here (most w/ some
green flecks) are quite magnetic -
some grab samples G-2-5
G-2-6 - orange gossan color rx
for assay

Sun & cloud

__July 23__ obj. investigate area
on "Lynx creek fault" with several
low geochem anomalies. Try and
determine why certain claims in area
were staked to aid in search of
area. G12P ← → sed sample
Poor hard luck creek + "Pleasant creek"
No luck - some fine black sand but
never reached bedrock (or any sizable
rock on pleasant creek - sun was shining)
No other creeks encountered on
way to camp site. Some bedrock
outcroppings that will be investigated
on return trip.
Other than two above outcrops - nothing
- found claim block no outcrops
found - will cont looking while
wandering in future. Must be staked
solely on a ~~geochem~~ mag high

as can be seen on Map - though claim isn't centered on it
~~Interesting~~ anomaly doesn't look this "mag high"
blue berries available some not quite ripe, 90% of country marshy + wet yet water (not dark yellow) is difficult to find, or is a non hummocky place for tent.
no rx - outcrop visible anywhere
July 24 - Note on July 22 - lots of red rock in area esp near H - wondering if cobalt. It seems geochem anomalies for the whole area are high for CO
July 24 Obj for July 24 investigate "notch" in mtn (possible fault lines up directly with Cloth - Lynx creek + known faults across the Sonjack - possibly outcrops on mtn slope or top.
(A) outcrop of earth tone green breccia - generally fine grained (sand size) but with larger particles + some "phenocrysts" though some of these seem brecciated into themselves. some qtz + some red - jasper like stone (B) - breccia dark grey matrix some red (1%) + feldspar (5%) + black bodies (10%) + green - H < 5
C - green breccia - float in moss/"crust"
D. black/white gneiss - both H > 5
also qtz grown over a box of limestone - also breccia as before - small float in tiny stream).
b. flies, mosquitoes, horse flys make one feel not only needed but loved
rain - now sun.
(E) float in a 3' hole qtz surrounds ball of $CaCO_3$, boulder of black limestone w/ thin crystals of $CaCO_3$; + granite tan + biotite granite ~~granodior~~ - grey
Nothing found to support fault theory over knob. There is a white + black sand - very light - almost like granular vermiculite all over this knob - esp where flooding has occurred.
No further outcrops found.
7/25 obj - check outcrop along Sonjack
taking strm sed samples
unmapped stream (v. small 6" across 6" deep) from south end of Mag high has very high amount black sand. - took

115 G12

strm sed sample out of curiousity this sight maybe w/in claim block previously mentioned. G12F

Blue berries along Dozyak ripe + many as is bear sign.

G12G 'first creek' take stream sed sample - want to compare results w/ gov't results - they show little Fe.

G12H 100m south of G12G again small unmapped creek - loads of black sand take geofam sample.

— out crop breccia consisting of dull grey rock / fragment

major creek I pan + strm sed sample - again to compare results - I would have expected creek at (G12G) to have higher anomalies w/ presence of mag high. creek at I drains basin behind the notch rocks looked at yesterday - Lake creek is on the opposite slope

Look at outcrops on claimed knob - mostly dirt but

found some limestone N-S strike - flat dip. With the large amount of "vermiculite" sand - composed largely of limestone (white) it only follows that there must be other limestone (cont of these) in gen area. would be of interest to see contact - if any - between limestone + intrusion causing mag high.

July 26 - back to truck - check out outcrops seen on trip in G12J (covers ~ 1 km of outcrops along a canyon draining into Dozyack.) granitic to fine grn equi dim. greenish rocks w/ dark component (hornblend? - amph? prox?) + no visible qtz. crk w/ brys - no metals in bdrx outcrops visible

July 27 - Edith creek, which was next object too diff access w/o boat (or helicopter) H_2O still high. ∴ look at grape creek showing moderately high Au geo chem anomaly in both initial + repeat analysis - want to check out these creek + basin in general

mosquitoes 16 flies bad - thundershowers
- large float (cor size & typs) on slope (A) is of 2 types
biotite granite / granodiorite -
50/50 black white w/ fairly large grain + a more
tan granite w/ feld. phenocrysts
1/4" - 1/2".
Hvy rain + hail - COLD
(B) rks are slightly min. stained (float) - schist
of very fine grain - 50/50
white / black - w/ many quartz
veinlets of various sizes thru out
- H≥6 - hard to break w/ hammer
- very sparkly rxs.
strm sed sample G13B of unmapped creek draining knob above composite
@ B - Also creek panned.
- some black sand
__July 28__ - obj try & not freeze
while getting look at upper drainage draining "anomalous" creek
Again as in Dongek this white sand (vermiculite stuff) is ubiquitous,

it seems to have been pushed to the surface w/ recent high waters; on the Dongek one would find it on the side of an apparently dry hill - like a gopher mound - here tho it is everywhere H_2O has flown.
Difficult to take strm. sed samples
I have been digging (6") under the recently deposited stuff for samples?
From B-C little outcrop - mostly granite float
biotite plenty ful in granite. Pan at
C - good amount of "black / brown sand)
shale-schist + granite float
C-D - schists w/ lots of qtz veinlets
+ lenses - some iron staining
@ D large granite boulders - sub rnd
D-E - schists w/ qtz
E-F - finer grain - tighter schists - some w/
sulfide 'lines' - very fine - (sample G13-1) pyrrhotite?
lots of red stain (iron) on these schists
but little inside. Rx nearly all
fracture on plane - like former shales
Toward F - schist seem to get
tighter & finer grn. @ F gneiss
- qtz (white - not orange as in schist)

a fine grain felsic rock make up gneiss - recumbent folding - still mostly schists - gray - fine grain w/ qtz. an occasional qtz float piece - gen quite sugary. No float or "plains" between mtn + lakes. What affect w/ lakes have on geo-... - drainage. No real creek drains cirque - just lots of seepage - 95% of cirque face covered w/ vegetation + slumping soil

From top of Mtn to G - same - schist @ G granite. One can see contact between schist + granite qtz veins thru out schist as usual nice garnet (sample) assoc. w/ biotite granite but apparently only at the actual schist/granite contact

Granite also contains "phenocrysts" of 5-10 mm black bodies (from schist?) Qtz veins have entered schist - not created at same time.

H - granites finer grain away from G - @ H granite (crumbly) bedrx S - Northerly dip 80° - tilt toward G.

I. volcanic breccia, above bedrock granite + schist qtz bedrk - a real mix up on this cut crop

no rain

July 29 obj-take geochem to confirm govt results + at fork in creek. Look for evidence of fault/contact between schists/Gran.

J. Pan - black sand + stm sed sample (G13J)

J-K - all sorts of water - running in holes, welling up from hillsides, in swamps - a real mess. uncertain which "creek" drains what. (J comes from basin in which contact was found)

K - GOLD!!! - one very small piece near govt geochem sample site - also took stm sed sample (G13K) Garnets as those found only in the actual contact granite found here also. Also considerable green mx not found on mtn sides at all. Does intrusion/fault/contact intersect creek above this pt somewhere? Is presence of gold indicative of "large" or small close lode deposit or

rather just a very poor placer deposit? Is this significant? (gov't geo chem was 40(53) (93% I believe not high but not low)
Again how are lakes/swamps affecting geochem/mineral movement from mtn top to creek proper.

K-L pan creek - b. sand - lots of granite float - some garnet @ b. "silver metal" flake in pan. Could not find confluence of the two creek draining lakes. Very thick - still goodly amount of ice & snow in creek bed. Has flooded recently. (W) - creek does leave lake to vol. of other (northerly) creek.

Steady rain.

<u>July 30</u> - Hvy rain all night & snow - sticks above ~7000 - drenched

(N) - granite outcrop - w/o garnet - fox w/ biotite

o - aphanitic dark gray rx w/ some "sulfide" lines like G13-1 maybe a very tight schist?

large out crops of this rock
Dip 25° S - Northerly - several
levels of out crop to top of knob
(Q). As one gets simple
from higher on out crop (100')
become quite complex (close sample

@ P
@ P granite + granite / breccia (?) / qtz
contact rocks
(A) Metamorphosed qtz / schist
(B) - breccia proper
(S) - granites on an upper slope
T, Limestone float
T-U on yesterday
U - grey granite w/ qtz veins etc (pyrite)
V. granite out crops (toward camp)
W - granite float (to out)
July 31 - Sunday wet dry out
Aug. 1, Look at placer potential
on untested creeks draining
Quill Creek / Burwash Creek Range.
note - all claims on sandpete
(same range) etc all start @ 3500'
contour. glaciation below that point
chlorite creek - chlorite bedrock
all over especially under 5000' level

flooding in this area has also been great. mudslides into creek have dumped large amounts of soil into creek - runs on bedrock until 4000 contour or so - once out of canyon debris / overburden 5-6' deep to channel + ?' below H_2O table - creek runs into gravel @ 3000' level - re appears via swamps etc.

Panned bedrock crevices / outwash + 'virgin banks - Au found in small quantity along left limit on virgin ~~gravel~~ soil in broken shale bedrock ~ 5' above creek level - very little black sand. Au very spotty - nothing found in creek / bedrock riffles.

(½ mile)

rain forest ~~day second~~ - creek 1 North + 1 South (1 mile) of "aplorite" creek examined. Au found on left limit of northerly creek - - very little + spotty ~ 3500' level in out wash (old) Nothing found above this point (went to

curve - after this point nearly all bedrock - sides + bottom little gravel for reserves if found - Ground staked for bedrock (some fellow that staked Dorgick / Lk Crk claims. Creek to South - again key flooding lost mtl but now no H_2O present at all Suction dredges might be useful here. Sandpete claims (quite similar) have gone 8' w/o touching bed rx w/ theirs however.

Aug 3, - more thorough panning of chlorite creek All 3 'creeks' looked at obviously have gold potential however the amount of exposed bedrock on all threes leaves little gravels or area in which those placer deposits could accumulate., Unless one could find a source above the canyon walls - even those would be limited + difficult to mine. However some creek that can't be too different than these (eg 1 creek N of Quill) have

alluvia on them. need to recreational
determine if these are ~~economic~~
or serious economic ventures.

Aug 14 - evaluate Fry Pan Creek
115K-2

Finish packing gear in from
Tchaikazan Lk. Start passing
creek at 100 yd intervals.
Bedrock on right limit to
about ½ way up creek (cliff)
basalt to talus then a
flakey pink/brown rx - hard
+ glittery - much iron
stain. Some rx are 25% ++
metal - pyrite + pyrrhotite (mag)
good amount of sulphides.
rx w/o stain are w/o as much
"metal". basalt/orange stain bedrock
contact where prospecting
block starts.
Canyon very narrow + steep
creek cuts to bedrock in
several places (falls) some
ice remains. first falls
present machinery (cat bulldozer or

vac. large boulders
three out - 1m+ (also smaller)
granite/hornblend & granite pegmatite
Take out. At least 15
sluice boxes - old & new.
15th Same as above - most
of left limit has tailings
- boulders stacked to 4-6' high.
not unlike [illegible] but larger ex.
How in heck did they work this
creek in 1913-14? Why can
some guy find gold in frying
pan while doing dishes &
I can't while panning on a known
Au stream. Some mud slides
on upper end. - Right limit
All sluice boxes have "course
gold" riffles - will make finding
more hit & miss. Have heard that
Peter Eckland / Rick [illegible] - in 40's →
had theory that the south slope
of mtn slid over pay streak.
Someone (them I presume) has used
steam points - trying I guess to
permafrost on that side of mtn
(left limit of creek) - some shafts in R.L. and (upper)
16 Start crosscut at lower

17 – continue cross cuts – bad fall into "old shaft" – leg in bad shape – hit water before bedrx
– cont. to dig "under tailings" big Rx everywhere – need dynamite or real burly fellow w/ sledge. These oldtimers moved lots – with so much work would they miss any? have people since Oakland looked anywhere – no sign of recent work (
18 – continue first x-cut
bedrx here is basalt Strike N-S dip 15° Trench started at overlying bedrk – didn't realize I was at bedrx upon reaching basalt. pay streak ≥12' but very shallow + difficult to work – eg between columns of bedrx 5-6" between blocks – bedrx solid unlike the stained bedrock of the sidewalls which is very broken + easy to break.
gold quite fine – some what I might call course. @ top of canyon – bedrock dip on creek – the 5yds ice, bdrx tailing, mdg
2nd trench – thru undisturbed ground

left limit of creek
19 - cont. trench - Rain after 5 beautiful days - much sluffing many boulders all size to +> 1m +
ice @ 1' - nothing @ L.L bedrx
didn't reach other - ice rx H_2O - 3 yds
start pit across creek - ice @ 2' - flour rx at 2'1" - Lots of curled metal - blue tinge to it - curled - mag.
→ up Sarah → Frypan - investigate gossan seen on rock ch - gen look around at rx
lots of bands of pebble conglomerate in ? tuff
basalt thru out - sep fry pan Ⓐ Gossan iron w/ metal flecks stained purple grey tuff - very rusted, breccia w/ iron particles at gossan Ⓑ. At Plum creek Ⓒ contact between tuff + white quartzite.
Ⓓ ? Tungsten w/ orthite ? in aplomite hard dark grey rx tuff red w/ mat. in ocean w/ green sugary mineralization
K-2-2 Rd stn in ocean w/ hot rx on edge - "cinnabar like" often 'outcrops' of rusty rx (K-2-3 tg) - can't believe its all magnetite
at E contact green/grey tuff w/ white argillite. then back to tuff etc w/o clear contact Ⓔ - tuff w/ layers of pebbles in silica w/ metal - Same as found in all pans on creek
- v. hd rx - no sample (4 - caribou on plum all bulls)
Mine is pistifal here - view alone is priceless lots of berries - lots of color snow on mtns.

20-25 - see placer lease report
Cu nuggets @ Devils gate - pyrite chunks -
Au flour " " " - summarize machine seal. etc.

Aug 26 - Investigate Bowen Creek & trib -
In 1913 claim on Hidden crk (trib LL) sold
for 1,000-2000/apiece : unlike Fry pan, Bowen
would be accessible to equip in winter,
but 99% of creek is covered in 1-2'+ boulders;
much granitic outcropping - esp of L.L.
some crystaline limestone, valley reach wide
100 yds in places but huge boulders everywhere
Magnetite present in flecks in nearly all
rx types at one pt or another.
at (G) Au found ~ 5 colors/pan; @ 2 1-3 in
moss on L.L. Au also present in
hidden creek, 1 color/pan in moss -
none found in holes in hidden - H_2O
encountered w/in 1'. Evidence of
past mining is scant rel. to Fry pan.
2 boxes to haul dirt out of shafts (1913 era)
1 modern (78-82?) sluice box - plywood
near (G); some old "camps" between
G & hidden; @ (H) shale bed (limestone)
S - N-S Dip 70-80° outcrop surrounded by
K-2-4
@ (I) K-2-5
then granite, fine grn black rk to top

on southside knob - granite (granodiorite) & Nr. some quartz float near top. Granite then as samples 4 & 5. Several gossans in upper hidden brown etc red to orange with a lower contact w/ white - all several 100' thick @ hidden - brown, investigate later.

Aug 27 Investigate hillside below "tungsten?" at (I) skarn? (R) large 'crystals' of magnetite, cryst. limestone (to 1"+), siderite, pyrite, pyrrhotite quartz. Malachite, azurite present. Bedrx has 3" layer of pyrite, pyrrhotite, limonite, magnetite, rust over pyrite & malachite to several inches (some seams thru rx) then mosaic of large crystals of siderite, magnetite, quartz in a mottled matrix of same in smaller form. K-26A

K-26 + 1 sample on periphery of skarn one large crys-line w/o ~~mala~~ sulfide in any great quantity. Some granite float in area - bits of hornblende large x-tals & other constituents. Also a basic aplite H>5.5 rx (some hint of green grains) Size - small outcrop + float 150' x 100' all in moss/soil. very near outrageous s-block. cont to creek draining ridge (O) PAN - no hvys. Recede back to cliffs (M) same rx gray aplite E-W strike - 80° dip. In all areas some rx have stain (Fe) + in these are

found flecks of pyrite / magnetite
Aug 28 - 29 + 31 Fry Pan pits @ Devil gate + moss to top and Au present
camp above "shaft" near hole # 3
Aug 30 snow - investigate gossan on fry pan + cont up ridge at (N) banded sed. (thought it was gneiss at first white/dark - white sometimes - light orbiguish w/ Fe stain. - Also at N tuff w/ "plagioclase" + hornblende - contact here at (O) - Edge of red/orange gossan (Z-4 sample) sulfide like "skarn" seen Aug 27. - on "outer edge (all float) veinlets of "pyrite" with in 50' chunks of pyrite/mag/pyrrhotite - one large float boulder 2' x 3' w/ malachite center w/ pyrite etc shell - no $FeCO_3$ seen (siderite) - no large crystals. - No further metal uphill.
K-29 at yellow gossan - ~~near~~ adj to O limonite
P - hedrx sedimentary - layering tors (0° dip) 1" bands - all aphanitic grey (argillite) - some denser than others - non calc. Gossan everywhere (see maps) - the Yellow "Gossan" had much clay + the rx' where calcareous - they eroded faster than other Rx + most dips in ridges were yellow. Granitic rx (granodiorite) at (Q) 7,041' pk - equigranular tuff (not w/ phenos of hornblende) icefields as shown on map are eskers. moraines - like tailing piles from dredge at Dawson. Some gossans under (R) - very stained

(margin: 5m / K-28)

but surrounded by cliff (all u stoy terrain)
(28 shp seen) - R - tuff - but some banded sed. Rx
in float Heavy with sed - banding visible
for gt distance (½ mile). Gossans on Bowen
(orange w/ shale grey strip - 100 m dj kut)
Gossans at head of Plum Creek (Aug 20/19) - some
schist float, also chunk of limestone, much
iron staining / fleck of magnetite, (Caribou)
ridge on LL plan w/ mag. - (5) - lots of
tan qtz float - 2' boulders in nose.
couldn't find source. will muck further.
Aug 31 - walk thru perm front on devils
gate holes - poor nose. dig thru old workings
NO Au in holes - but on surface - flour Au.
Sept 1 Tchawsahmon ridge - sleet - ¼" ice - 90' shaft sunk
here in 13-14, - never hit bedrx - all perm float.
(T) granite (granodiorite)(syenite?) w/ larger crystls of biotite
grading into - open granular small gran Rx
w/ 75% mafics - w/in 100 yds -
∴ granite w/ phenocryst intrusion of sugary equi-dim mafic.
@ top of slide area (100 x 100 yds) a tuff - foliated w/ qtz beads.
(4) Camden 10x magnifier goes foggy - New Rx in
1-3m boulder slide augite phenocrysts in (60%)
matrix of sugary of white feld & green? 30/60%
u-v back to granodiorite - ~no pyrite etc. - gossan in
close rx take on pink tone (k-spar) at w
Rx take on 1/3 4/9 2/9 2/9 black (biotite) and (? green
green + qtz. 1 RND 6" RX - rusty ~ HVY - non

metalic luster, H > stk plate sample K-2-10
grbanite block ; W-X - false mixture - tending
to green mafic rx - some granitic as before - float
right to top of ridge. above (X) 9" dike granodiorite
ends thru boulders of 75% mafic equigran type rock
(pepper rx) ; X-Y mostly granodiorite / pepper rx
(separate) also green mafic ; Y-Z less
rx - still all float - same as X-Y ; another
piece of K-2-10 : another south of Z - both
very round w/ slight rust. No actually attached
bedrx anywhere. 4 caribou 20+ ptarmigan.
out of alphabet - nothing different to creek
Sept 2/3 "grad sluice" - west end of sluice
above notch - "gold" coarse he in bedrock
chert
Coarse gold : along L. limit
no gold at bedrock along R. limit
- water table above bedrock across
entire '100' creek bottom. - diverted
braided stream + dug to bed rx - on
both limits. Little old working
above ½ way point (double gate) on
creek - the rumored theory of Pete
Eiklund was that the gold source was
a buried placer on left limit - where
the permafrost hill had 'slide over
top of it'. with coarse gold

2. at the top end (well worn course) it would seem the source is else-where (as well) - Also found large amount of "pure" Fe, + some Cu nuggets - as below devil gate.
- also one breccia boulder (2 m X 1 m) has 2" metallic crystal + band of rust (pyrrhotite + some Cu?)
- Sept 4 - look at bedrock outcrops above pan - in cirque basin again - check out story of workings within cirque (placer) + dig to bedrx (very shallow above devil gate.

K-2-11 (x2) - qtz - limestone veinlet cutting ophiolite #25 grey
[illegible] "[illegible] tuff" w/ limestone / limonite [illegible]
some min occ w/ veinlett @ 2 (for assay)

K-2-12 @ 3 argillite - black shale like w/ some mineralization (pyrite?) + limonite staining (x 3) (for assay)

K-2-13 @ 4 - pyrite + min oc in gossan at "O"

K-2-14 - on cp - above notch - pyrrhotite + spec w/ mag et al. pretty
@ 1 - calc conglomerate - stratified [illegible] in contact w/ non calc oph. block rx - ident in look w/ 1 mm to 1" qtz [illegible] veins - no min

tons of [illegible] iron / pyrite etc in Plum Creek
less little even in cirque or fry pan
except directly assoc. w/ gossan (as in K-2-13 desc.)

Sept 5, 6, 7 – Oliver test

little black sand

breccia w/ clay

orange stained porphyry formation

small nuggets

[illegible] nuggets with gold – [illegible]

[illegible] gold dirt

[illegible] in [illegible] hole – [illegible]

[illegible]? ~ 5 yds [illegible] ([illegible])

Sept 8 - obj. - check out gossan
white / red on hidden rock seen
on Aug 30. Bob start
cook at Dickson hunting camp says
maybe be bear on dead horse at
bottom of hidden - also he saw
red / white helicopter land on
gossan + take samples "a few
days ago."
side step horse - 6 1 + 2 grav -
granite at 3 - flagging -
at 4 - claim post wollie
Aug 30 88 - C. Ram #2 + #1
no claim #1 etc - no #1 post
yet tape [illegible] goes both ways
- to right (south) of gossan
a [illegible] patch [illegible] - wonder >
how long of claim block the B.
+ I was ½ mile from here
on Aug 26 planning to meet
this gossan later (see notes)
Contact between - Hoy mill - (mag) 6
"magic" tuff ? + gy limestone thin
South side of Hidden 5 - [illegible] a
pink yellow slope - bedding is
horizontal ? - Does this look so

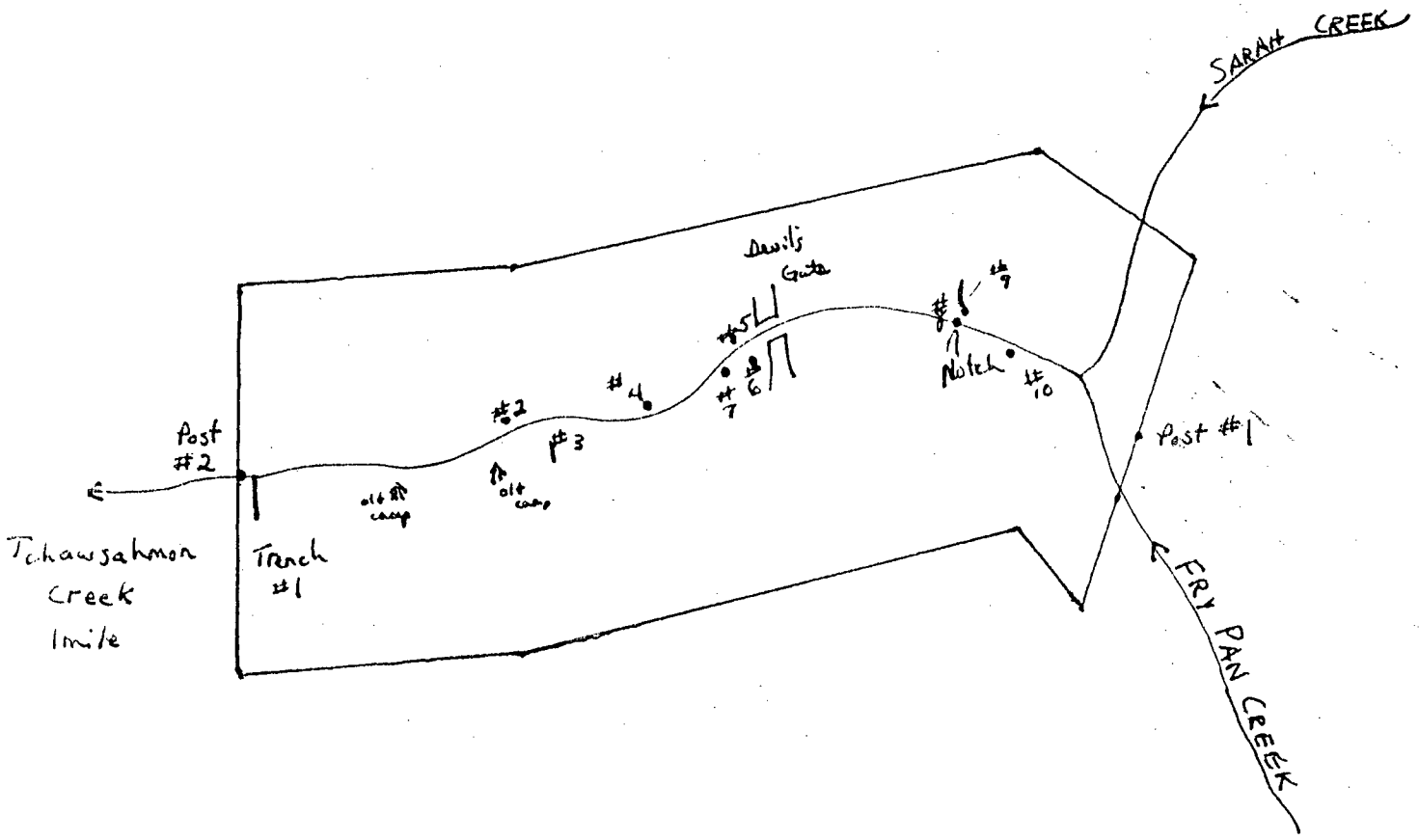
good because its gone? -some gray
- very cold - diff working
@ 5 - 10' or so "malachite" stain on
mafic pseudo aphanitic u.b. rock
on cliff not reachable - within 100 yd
there is x-limestone, granodiorite, u.b.
(basalts?) + rusty (w/ to 50% metal - magnetite)
green to green purple aphanitic rx - all
very hard - rep u.b. - caught in
cliff @ 6 - Along talus - several
small red gossans - little iron
base rx - a green to green purple rx
Most rx seem to be variations of
this type - surprisingly little
banded red rx float on most of
the ridge tops are these.
@ 7 - contact between worked out colored
limestone - (100 yd thick band) - (argillite)
+ red gossan - (100 yd) - yellow limestone
on ~~contact~~ - little metal - all
pea size talus - hard walk. @ 8
argillite contact w/ red gossan - both
15 yds ea. - hvy metal content (mag)
- a yellow - sulfur like subst. seen
w/ rusty gossan - limonite also
metal - large x-tal (1mm) mag as in claimed
gossan (sample) rx base - green/purple aphanite

down ridge = sugary grey (non calc) rx to the v hard u.b. rock - then argillite. at Saddle xstal - limestone (same "out crop" as in cloured gossan ?) crops
100+ yds - above saddle = few out crops then granodiorite for 100's of yds to end of ridge + into saddle below -
Dark sunny sunny
Sept 9, 10, 11 ✓ out gossans on extension from Fry Pan South Gossan (A 115 K-2 map) into Sandpete tributaries. Prospect down sandpete to Hwy w/ rock samples
@A gossan from west side of hill cont but so close to R Block not worth looking at @B 100's ft of red rock - grey argillite or clear bed
Aug 30 but promising looking gossan - reddish w/ some yellow "band" running on ridge ca Aug 30 - pinnacles difficult to move float with good amounts sulfides but not unusual
14 big sheep across valley
@C float w 1/4" pyrite crystals in crystal limestone then on grey platey rx again any rusty rx w/ "sulfides" how many can one carry should be a sheep hunting view of [illegible] LK

creek various rx types - shales -
compact shales - varying strikes/dips in
upper creek. Several old
placer leases but no sign of
work. We should test pan - no
the keys. Lower Slip up - lots of
conglomerate - walls of the cliff
don't believe there ever noticed bedrock
conglomerate more greenrock rxs - not
nodulites as proceed down - tough
rock should have gone down before
Lower Slip up - new placer claims (Arg)
& leases not shown on my maps
considerable dozer work - bear sign
difficult to concentrate while packing
camp on back & loaded my samples
rx taken volcanic - igneous character
as opposed to upper creek - argillite
not common - rusty rx here & there
nothing else. Much work - recent
staking - placer/qtz on
sandbars - looks like sign post
forest at Watson but claim posts
This is no way to go - crk deep
in places - glad its low.

difficult to determine open ground
from claimed - outfitter report
much staking / assessment work on
upper sandpits - Mt Taylor -
Rx variation endless - mostly float gobble?
aphanitic grey / black, tuff slaty
block - more like rock on
Buck creek - possibly cover w/
Ni showing on miller Ridge (oriented).
Fresh grizzly track
Few outcrops below keeps off
there nth to hwy (thank god)
get to weigh the pack elsewhere
Sept 12 - hitchhike to Burwash
for truck - picked up by C
Eklund - born on Fry Pan + worked
it w/ Blair + his Father &
also with another prospector working
canyon nth + beyond - showers
windy

1 MILE PLACER LEASE
Fry Pan Creek #7944
- Assessment work for renewal -



N

1" = 1,000'

RON BERDAHL
Fry Pan Prospect Lease
#7944

Berchtl #7944

Addendum to prospector assistance note book
for Aug 14-25, 28-29, 31 Sept 2-7

Work done on Fry Pan Creek Prospecting lease #7944
- All by Hand methods -

Trench #1 - @ #2 post Cross cut bedrx outcrop to creek
width: 2½'
length: 27'
depth: variable - south end at bedrx outcrop,
3' at ~~north~~ south end 5' center 2½' north end
volume: 6.25 yds

Description: Bedrock at southend strikes south/north - dip 70°; iron stained w/ magnetite to 10% in a non-calcareous, dark grey, slightly flakey Rx; Hardness > 5.5;

In trench this bedrock layer is ~~underlain~~ underlain by a mafic flakey very dark green-black to purple dense hard rock again with disseminated metal (<1%). Lower layer of bedrock is deteriorated into vertical columns 1'x2', strike E-W, dip 15% N. Columns themselves are well consolidated. The upper bedrock is easily fractured along 'rusted' joints.

Paystreak: course gold over 12' between columns of lower bedrx. Very difficult to move any volume of gravel/pay formation clay.

Overburden: 1'x 2-3' rock w/ gravel and moss ~~above~~ under 2' of old tailings with "sticks" parallel to trench. Frozen ground in last foot.

Sampling tech: test ground below/between columns w/ pan & sluice approx 1 yd

#2 hole - @ old camp,
width: 4' variable 3-4
length: 6'
depth: 5.5-6'
volume: 5 yds

Birchfl #7944

(#2 hole cont)

Description: Deteriorated bedrock at 3½ foot followed to water table at 5½ foot. Bedrock is gravel size to 6" angular and of same composition as lower rock in trench #1 w/ some stringers of calcite. No strike dip but outcrop bedrx on canyon side dip 65° w/ E-W strike

Overburden: sand to 1 meter boulders - need dynamite or backhoe - to 3½ foot level

Paysteak: course gold (to .5g size) sporatic throughout broken orange clay/bedrock w/ copper nuggets (to 1")

Sampling tech: pan/sluice w/o contamination of creek proper

#3 TRENCH - across creek from #2 + up 200'
length: 8'
width: 2½'
depth: variable 3' to outcrop rock
Vol: 2 yds

Bedrock description: not reached across trench but at outcrop greenish dense aphanitic rx - no cleavage - strike dip - ? water table at 3'. permafrost just below surface near slope.

Overburden: sand to boulders - permafrost

Sampling: samples taken at 6" intervals & panned No Au; bedrock broken & panned no Au.

Burchell # 7944

#4 Hole into north canyon wall to bedrock
width : 3'
length : 3'
depth : 5'
volume: 1.5 yds

Bedrock description: black argillite w/ disseminated metal flecks rusted on fractures - no cleavage. Strike N-S dip 40°

Overburden : mostly 1' diam. boulders w/ sand and gravel - no H_2O encountered

Sampling : panned 6"-1' intervals no tu

#5 Hole — along north edge of canyon below gate
width : 1.5
depth : 4+'
length: 3'
vol. : .66yd

Bedrock : not encountered water at 4' - should try digging deeper in late sept as H_2O table is dropping then.*
Overburden : sand to 1+" boulders - large rocks throughout w/ clay

Paystreak: trace gold - very fine below 1' level

Sampling tech: pan every 6"

* H_2O table drove earliest miners out (discovered chisana as result) Ice present along 'shaded' canyon bottom

#6 pit – @ gate south wall above creek level - pit to investigate old workings - caved in shaft 5'x 60' long - worked several times (older + newer equipment found)

width : var. 2.5
length : var 3
depth : 6.5'
vol : 2 yds

Description: bed rock not reached - huy permafrost probably 2' off old shaft floor. Old 3x12 + 2x3 timbers found at 3' + 6' respectively huy timber possibly ceiling of drift w/ lighter timber brace on wall (?) Earlier prospectors P.E. Kland + W Blair reportedly thought rich paystreak might be under south slope

Overburden : 2'+ boulders (common) + sand clay gravel - th alders - permafrost @ 3'

Paystreak : unkown. some flour gold + small copper nugets through out above permafrost.

Sampling Tech : panned at 6" intervals and whenever overburden changed

#7 pit - adjacent to #6 for future winter drift into north facing slope

length : 5'
width : 3'
depth : 5'
vol : ~3 yds

Overburden : clay to 1' then boulders - nothing large (1m+) a first on this creek. Permafrost at 4½'

Barclaft #7944

(#7 cont)

Sampling Tech: pan @ 1' intervals - no Au or Cu

#8 trench — along bedrock outcrop at "notch" (see map)

length: 10'
width: 2'
depth: 2'
vol.: 1.5 yd

Bedrock: dark chert w/ pay formation clay in fractures

~~Overburden~~
Overburden: fluvial gravel / silt and 2'+ boulders to bedrock

Paystreak: through out 10' length w/in bed rock fracture - course gold but as in #1 no volumes ~~to~~ work with (overburden barren)

Sampled Tech.: Pan

#9 Trench — across crk bed (100') from #8 to determine if course Au is "continuous" ~~across~~ across crk. or if the origin is north facing slope (#8)

length: 5'
width: 2'
depth: 3-6'
vol: .75 yds

Bedrock description: green / purple aphanitic rx Strike Dip ? quite fractured adjacent to trench

Overburden: fluvial gravel sand to bedrock. H_2O table problem.

Pay: "no Au" even between bedrock fracture

Bedrock #7944

(#9 cont)

Sampling Tech : pan

#10 hole – into Left Limit creek 100 yds above #8
into rusty bedrock
length : 3'
depth : 3'
width : 3'
vol : 1 yd

Bedrock description: rusty coated grey aplanite – deteriorated

Pay streak : no true in rock fractures (no overburden) No buys at all panned out. Most of creek – esp #6 had free Fe.

#11 ~~Miscellaneous Digging~~ / panning / prying into bed rock at various locations up and down creek on both right and left limit. est. 3 yds moved. conclude true is on north fork - Left limit more so than Right L.

Conclusion: need more testing – renew lease
Ground tenor appears to approach $5/yd but this is very preliminary. Several problems as well as advantages apply to Fry Par.

Disadvantages: - high water table
- large boulders ubiquitous
- access for machinery nearly impossible w/ out major effort
- little ground available if pay isn't deliniated on Left Limit above creek bed

(cont-cont)

- disadvantages (cont)
  - access from hwy to claims goes thru land claim block

advantages:

- water avail for sluicing most of season
- creek goes under ground before confluence with other water body so no fish or environmental problems to deal w/ at onset
- course gold

If a method can be economically employed - either hand / dynamite / dragline or custom machine operation the creek could provide for an efficient operation as it did 1914 - 15 and from 30's - 50's & 60's

Needs more evaluation

If one can either get some mechanical device to move more ground or deviate the higher grade ground an operation could prove worthwhile - At any rate it needs more evaluation

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Geochemical Lab Report

REPORT: V88-07997.0

PROJECT: NONE GIVEN PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	AG OPT	CU PCT
R2 F1426			5.58
R2 K2-6		3.15	8.77
R2 Z3			9.90
R2 Z5		2.43	10.12

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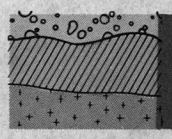

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Geochemical Lab Report

REPORT: V88-07997.6 (COMPLETE)

REFERENCE INFO:

CLIENT: MR. RON BERDAHL

SUBMITTED BY: UNKNOWN

PROJECT: NONE GIVEN

DATE PRINTED: 14-DEC-88

ORDER	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	AG	SILVER	2	0.02 OPT	MULT ACID TOT DIG	ATOMIC ABSORPTION
2	CU	COPPER	4	0.01 PCT		ATOMIC ABSORPTION

#	SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
R	ROCK OR BED ROCK	4	2 -150	4	AS RECEIVED, NO SP	4

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Geochemical Lab Report

REPORT: V88-116899.0

PROJECT: NONE GIVEN PAGE 1B

SAMPLE NUMBER	ELEMENT UNITS	Sb PPM	Se PPM	Tl PPM	W PPM	Zn PPM	Hg PPB	Ba PPM
T1 G2D – boron creek		7	<5	<5	<10	72	110	720
T1 G2F		6	<5	<5	<10	69	500	5400
T1 G2G - X creek		10	<5	<5	<10	64	80	570
T1 G2X nine pass creek		<5	5	5	<10	75	300	2100
T1 G2Z - cliff creek		<5	<5	<5	<10	164	255	1200

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Geochemical Lab Report

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Geochemical Lab Report

REPORT: V88-03960.0 (COMPLETE)

REFERENCE INFO:

CLIENT: MR. RON BERDAHL
PROJECT: NONE GIVEN

SUBMITTED BY: UNKNOWN
DATE PRINTED: 20-JUN-88

ORDER		ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Au	Gold - Fire Assay	3	5 PPB	FIRE-ASSAY	Fire Assay AA
2	Ag	Silver	3	0.1 PPM	HNO3-HCL HOT EXTR	Atomic Absorption
3	As	Arsenic	3	2 PPM	NITRIC PERCHLOR DIG	Colourimetric

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
1 STREAM SEDIMENT,SILT	3	1 -80	3	POLYBAGS, SIEVE -80	3

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REPORT: V88-03960.0

PROJECT: NONE GIVEN PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM	As PPM
T1 F105		<5	<0.1	7
T1 F109		<5	<0.1	9
T1 F1010		<5	<0.1	33

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Geochemical Lab Report

REPORT: V88-06899.0 (COMPLETE)

REFERENCE INFO:

CLIENT: MR. RON BERDAHL
PROJECT: NONE GIVEN

SUBMITTED BY: UNKNOWN
DATE PRINTED: 4-OCT-88

ORDER		ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Au	Gold - Fire Assay	5	5 PPB	FIRE-ASSAY	Fire Assay AA
2	Ag	Silver	5	0.5 PPM	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
3	As	Arsenic	5	5 PPM	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
4	Bi	Bismuth	5	2 PPM	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
5	Co	Cobalt	5	1 PPM	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
6	Cr	Chromium	5	1 PPM	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
7	Cu	Copper	5	1 PPM	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
8	Mn	Manganese	5	1 PPM	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
9	Mo	Molybdenum	5	1 PPM	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
10	Ni	Nickel	5	1 PPM	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
11	Pb	Lead	5	5 PPM	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
12	Sb	Antimony	5	5 PPM	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
13	Se	Selenium	5	5 PPM	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
14	Tl	Thallium	5	1 PPM	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
15	W	Tungsten	5	10 PPM	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
16	Zn	Zinc	5	1 PPM	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
17	Hg	Mercury	5	5 PPB	HNO3-HCL HOT EXTR	Cold Vapour AA
18	Ba	Barium	5	20 PPM		X-RAY Fluorescence

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
1 STREAM SEDIMENT,SILT	5	1 -80	5	DRY, SIEVE -80	5

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REPORT: V88-06899.0

PROJECT: NONE GIVEN PAGE 1A

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM	As PPM	Bi PPM	Co PPM	Cr PPM	Cu PPM	Mn PPM	Mo PPM	Ni PPM	Pb PPM
T1 G2D		<5	<0.5	18	6	35	481	76	764	1	204	<5
T1 G2F		<5	<0.5	15	5	23	152	42	654	<1	201	14
T1 G2G		<5	<0.5	25	4	72	729	117	828	<1	622	<5
T1 G2X		<5	<0.5	18	<2	24	165	59	720	<1	201	<5
T1 G2[illegible]Z		7	<0.5	24	<2	19	73	87	729	3	65	7

E H

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REPORT: V88-06899.1 (COMPLETE)

REFERENCE INFO:

CLIENT: MR. RON BERDAHL
PROJECT: NONE GIVEN

SUBMITTED BY: UNKNOWN
DATE PRINTED: 4-OCT-88

ORDER	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Au 30g	Gold 30 grams	20	5 PPB	FIRE-ASSAY	Fire Assay AA
2	Au/wt	Sample weight/grams	20	0.1 G		
3	Ag	Silver	20	0.5 PPM	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
4	As	Arsenic	20	5 PPM	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
5	Cu	Copper	20	1 PPM	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
6	Mo	Molybdenum	20	1 PPM	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
7	Pb	Lead	20	5 PPM	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
8	Sb	Antimony	20	5 PPM	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
9	Zn	Zinc	20	1 PPM	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
10	Hg	Mercury	20	5 PPB	HNO3-HCL HOT EXTR	Cold Vapour AA

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
T STREAM SEDIMENT,SILT	20	1 -80	20	DRY, SIEVE -80	20

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REPORT: V88-06899.1

PROJECT: NONE GIVEN PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au 30g PPB	Au/wt G	Ag PPM	As PPM	Cu PPM	Mo PPM	Pb PPM	Sb PPM	Zn PPM	Hg PPB
I1 F1410		<5	30.0	<0.5	21	19	<1	9	<5	60	10
I1 F1413		<5	23.0	<0.5	<5	35	<1	8	<5	75	10
I1 F1414		<5	20.0	0.5	<5	26	<1	22	<5	67	5
I1 F1415		<5	20.0	0.6	<5	41	<1	23	<5	90	10
I1 F1416		<5	30.0	<0.5	14	20	<1	9	5	71	10
I1 F1417		<5	30.0	<0.5	70	33	<1	14	6	64	10
I1 F1418		<5	30.0	<0.5	30	22	<1	34	<5	45	15
I1 F1419		<5	30.0	<0.5	<5	19	<1	8	<5	49	10
I1 F14X5		<5	30.0	<0.5	25	29	13	14	7	429	75
I1 F14X7		<5	23.0	0.9	32	26	10	13	5	238	70
I1 F14X9		<5	13.0	<0.5	9	11	2	9	<5	96	20
I1 F14X10		<5	30.0	0.6	22	16	1	12	6	93	30
I1 G12F		<5	30.0	<0.5	23	2	<1	<5	<5	6	10
I1 G12G		<5	30.0	<0.5	16	17	<1	<5	6	41	15
I1 G12H		<5	21.0	<0.5	26	13	<1	<5	<5	59	25
I1 G12I		<5	30.0	<0.5	13	20	<1	<5	<5	47	70
I1 G12P		<5	24.0	<0.5	21	11	<1	<5	<5	54	5
I1 G13B		<5	30.0	<0.5	23	2	<1	<5	<5	8	10
I1 G13J		<5	30.0	<0.5	23	6	<1	<5	<5	23	10
I1 G13K		<5	30.0	<0.5	22	6	<1	<5	<5	24	10

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Geochemical Lab Report

REPORT: V88-07997.0 (COMPLETE)

REFERENCE INFO:

CLIENT: MR. RON BERDAHL
PROJECT: NONE GIVEN

SUBMITTED BY: UNKNOWN
DATE PRINTED: 8-DEC-88

ORDER	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	AU	GOLD - FIRE ASSAY	20	5 PPB	FIRE-ASSAY	FIRE ASSAY AA
2	AG	SILVER	20	0.5 PPM	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
3	AS	ARSENIC	20	5 PPM	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
4	BI	BISMUTH	20	2 PPM	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
5	CO	COBALT	20	1 PPM	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
6	CR	CHROMIUM	20	1 PPM	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
7	CU	COPPER	20	1 PPM	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
8	MN	MANGANESE	20	1 PPM	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
9	MO	MOLYBDENUM	20	1 PPM	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
10	NI	NICKEL	20	1 PPM	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
11	PB	LEAD	20	5 PPM	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
12	SB	ANTIMONY	20	5 PPM	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
13	SE	SELENIUM	20	5 PPM	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
14	TL	THALLIUM	20	1 PPM	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
15	W	TUNGSTEN	20	10 PPM	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
16	ZN	ZINC	20	1 PPM	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
17	HG	MERCURY	20	5 PPB	HNO3-HCL HOT EXTR	COLD VAPOUR AA
18	BA	BARIUM	20	20 PPM		X-RAY FLUORESCENCE
19	AU	GOLD - FIRE ASSAY	3	5 PPB	FIRE-ASSAY	FIRE ASSAY AA
20	PT	PLATINUM	3	15 PPB	FIRE-ASSAY	
21	PD	PALLADIUM	3	2 PPB	FIRE-ASSAY	
22	CO	COBALT	3	1 PPM	HNO3-HCL HOT EXTR	ATOMIC ABSORPTION
23	CR	CHROMIUM (ACID SOL.)	3	2 PPM	HNO3-HCL HOT EXTR	ATOMIC ABSORPTION
24	CU	COPPER	3	1 PPM	HNO3-HCL HOT EXTR	ATOMIC ABSORPTION
25	NI	NICKEL	3	2 PPM	HNO3-HCL HOT EXTR	ATOMIC ABSORPTION

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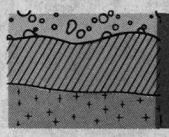

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Geochemical Lab Report

REPORT: V88-07997.0 (COMPLETE)

REFERENCE INFO:

CLIENT: MR. RON BERDAHL

SUBMITTED BY: UNKNOWN

PROJECT: NONE GIVEN

DATE PRINTED: 8-DEC-88

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
R ROCK OR BED ROCK	23	2 -150	23	CRUSH,PULVERIZE -150	23

NOTES: = INDICATES SEE REMARKS

REMARKS: ERRATIC GOLD RESULTS NOTED:
SAMPLE K2-6 CHECKS = 6270 & 2050 PPB AU
SAMPLE Z4 CHECK = 1492 PPB AU
SAMPLE Z5 CHECK = 3760 PPB AU

= BA - INTERFERENCE NOTED DUE TO FE.

ASSAY OF HIGH AG & CU TO FOLLOW ON V88-07997.8

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Geochemical Lab Report

REPORT: V88-07997.0

PROJECT: NONE GIVEN PAGE 1A

SAMPLE NUMBER	ELEMENT UNITS	AU PPB	AG PPM	AS PPM	BI PPM	CO PPM	CR PPM	CU PPM	MN PPM	MO PPM	NI PPM	PB PPM
R2 F11X4		20	3.1	103	<2	20	7	48	190	<1	22	55
R2 F11X8		9	4.4	112	<2	88	19	266	629	<1	229	237
R2 F1417A		102	4.7	124	<2	6	5	50	2646	<1	20	44
R2 F1422		7	6.0	142	<2	<1	4	11	7717	<1	7	39
R2 F1426		16	20.0	68	<2	47	132	>20000	461	<1	83	56
R2 G2-3												
R2 G2-5												
R2 G2-6												
R2 K2-1		11	1.9	73	<2	17	20	559	961	3	8	<5
R2 K2-2		12	0.8	<5	<2	30	194	177	507	<1	70	<5
R2 K2-6		3000	>50.0	172	<2	571	21	>20000	163	<1	206	37
R2 K2-7		143	6.1	48	<2	28	20	15076	1761	<1	65	20
R2 K2-13		23	3.7	96	<2	59	28	1577	1031	<1	39	20
R2 K26A		42	2.5	90	<2	<1	33	802	1573	<1	<1	21
R2 S3		99	0.9	32	40	14	35	165	180	<1	12	<5
R2 S6		<5	1.6	248	15	9	83	587	67	<1	10	12
R2 S7		15	4.6	>2000	28	35	67	1274	44	<1	33	28
R2 S10		<5	<0.5	25	<2	8	42	42	234	<1	29	<5
R2 Z1		22	2.0	64	<2	31	45	788	127	<1	54	<5
R2 Z2		<5	1.9	40	<2	25	27	131	306	<1	39	<5
R2 Z3		18	7.4	120	1910	9	19	>20000	151	<1	5	159
R2 Z4		1730	23.0	132	<2	37	16	15678	497	20	26	26
R2 Z5		2430	>50.0	106	<2	490	19	>20000	687	<1	254	18

Bondar-Clegg & Company Ltd.

136 Industrial Road
Whitehorse, Yukon Territory Y1A 2V1
Phone: (403) 667-6523
Telex: 036-8-460

BONDAR-CLEGG

Geochemical Lab Report

REPORT: VGG-07997.0

PROJECT: NONE GIVEN PAGE 1B

SAMPLE NUMBER	ELEMENT UNITS	SB PPM	BE PPM	TL PPM	W PPM	ZN PPM	HG PPB	BA PPM	AU PPB	PT PPB	PD PPB	CO PPM
R2 F11X4		9	<5	<1	<10	177	10	370				
R2 F11X8		22	<5	<1	<10	12	60	760				
R2 F1417A		16	<5	<1	<10	21	<5	<20				
R2 F1422		7	<5	<1	<10	11	5	<20=				
R2 F1426		6	<5	<1	<10	257	20	210				
R2 G2-3									32	15	15	97
R2 G2-5									8	<15	20	90
R2 G2-6									9	<15	15	34
R2 K2-1		<5	<5	<1	<10	124	10	730				
R2 K2-2		8	<5	<1	<10	62	<5	540				
R2 K2-6		8	<5	<1	<10	391	70	<20=				
R2 K2-7		<5	<5	<1	<10	67	5	<20				
R2 K2-13		16	<5	1	<10	62	105	130				
R2 K26A		<5	<5	<1	<10	9	<5	<20				
R2 S3		13	<5	<1	<10	36	<5	110				
R2 S6		<5	<5	<1	<10	12	<5	360				
R2 S7		8	<5	<1	<10	10	<5	470				
R2 S10		<5	<5	<1	<10	25	<5	380				
R2 Z1		<5	<5	<1	22	36	<5	390				
R2 Z2		<5	<5	<1	<10	134	5	150				
R2 Z3		9	<5	<1	<10	343	20	30=				
R2 Z4		7	<5	<1	<10	187	45	640=				
R2 Z6		<5	<5	<1	<10	439	50	30=				

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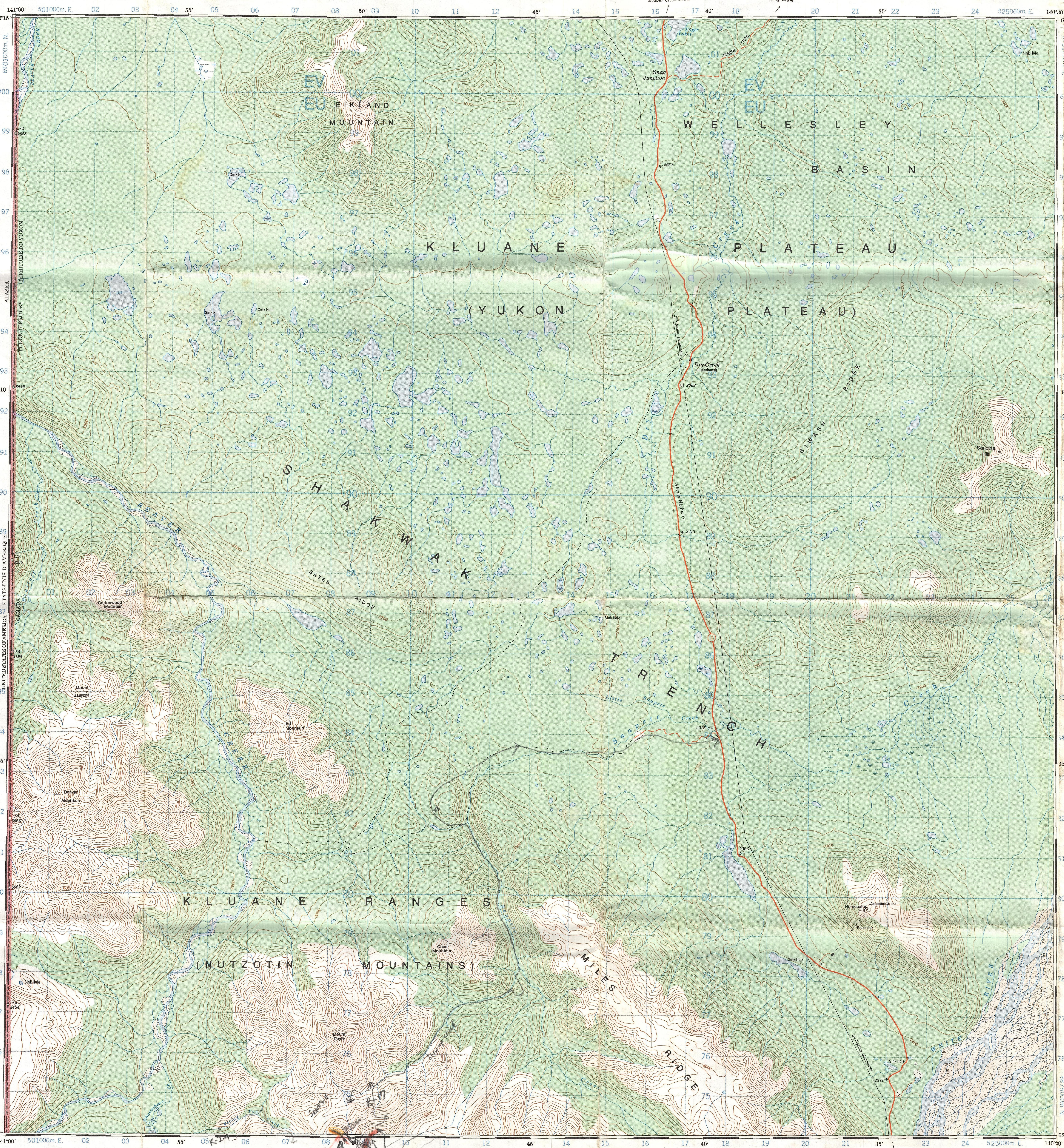
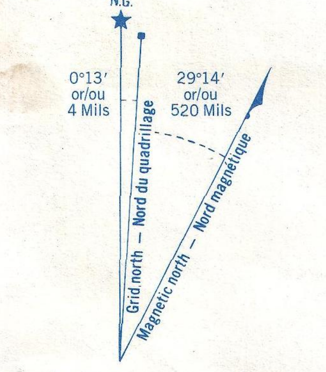
REPORT: V88-07997.0

PROJECT: NONE GIVEN PAGE 10

SAMPLE NUMBER	ELEMENT UNITS	CR PPM	CU PPM	NI PPM
R2 F11X4				
R2 F11X8				
R2 F1417A				
R2 F1422				
R2 F1426				
R2 G2-3		409	649	984
R2 G2-5		688	356	1057
R2 G2-6		71	134	82
R2 K2-1				
R2 K2-2				
R2 K2-6				
R2 K2-7				
R2 K2-13				
R2 K26A				
R2 S3				
R2 S6				
R2 S7				
R2 S10				
R2 Z1				
R2 Z2				
R2 Z3				
R2 Z4				
R2 Z5				

Military users, refer to this map as: / Référence de cette carte pour usage militaire:	
SERIES A722 SÉRIE	
MAP 115 K/2 CARTE	
EDITION 3 MCE ÉDITION	





Use diagram only to obtain numerical values
APPROXIMATE MEAN DECLINATION 1984
FOR CENTRE OF MAP
Annual change decreasing 4.4′

N'utiliser le diagramme que pour obtenir les valeurs numériques
DÉCLINAISON MOYENNE APPROXIMATIVE
AU CENTRE DE LA CARTE EN 1984
Variation annuelle décroissante 4,4′

ONE THOUSAND METRE
UNIVERSAL TRANSVERSE MERCATOR GRID
ZONE 7
QUADRILLAGE DE MILLE MÈTRES
TRANSVERSE UNIVERSEL DE MERCATOR

GRID ZONE DESIGNATION: DÉSIGNATION DE LA ZONE DU QUADRILLAGE:	100 000 m SQUARE IDENTIFICATION / IDENTIFICATION DU CARRÉ DE 100 000 m
7V	EV / EU (69, 5)

EXAMPLE OF METHOD USED TO GIVE A REFERENCE TO NEAREST 100 METRES
EXEMPLE DE LA MÉTHODE EMPLOYÉE POUR FIXER DES REPÈRES À 100 MÈTRES PRÈS

REFERENCE POINT / POINT DE REPÈRE: CHURCH - ÉGLISE (as above) (ci-dessus)

EASTING: Read number on grid line immediately to left of point:
ABSCISSE: Noter le chiffre de la ligne du quadrillage immédiatement à gauche du repère: 97
Estimate tenths of a square from this line eastward to point:
Estimer le nombre de dixièmes du carré entre cette ligne et le repère en direction est: 5
975

NORTHING: Read number on grid line immediately below point:
ORDONNÉE: Noter le chiffre de la ligne du quadrillage immédiatement en dessous du repère: 98
Estimate tenths of a square from this line northward to point:
Estimer le nombre de dixièmes du carré entre cette ligne et le repère en direction nord: 4
984

GRID REFERENCE: / RÉFÉRENCE AU QUADRILLAGE: 975984

Nearest similar grid reference 100 000 metres (about 63 miles)
La prochaine référence similaire est à 100 000 mètres (environ 63 milles)

141°30′ 62°30′		140°00′ 62°30′
USA ÉU d'A	115 K/7	115 K/8
USA ÉU d'A	115 K/2	115 K/1
USA ÉU d'A	115 F/15	115 F/16
61°45′ 141°30′		140°00′ 61°45′

Index to adjoining Maps of the National Topographic System
Tableau d'assemblage du Système national de référence cartographique

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Roads:	Routes:	
loose or stabilized surface, all weather	gravier, aggloméré, toute saison	2 lanes or more / 2 voies ou plus; less than 2 lanes / moins de 2 voies
loose surface, dry weather	de gravier, temps sec	
unclassified road or street	route non classée ou rue	
cart track	de terre	
trail, cut line or portage	sentier, percée ou portage	

FOR COMPLETE REFERENCE SEE REVERSE SIDE — POUR UNE LISTE COMPLÈTE DES SIGNES, VOIR AU VERSO

DRY CREEK

YUKON TERRITORY TERRITOIRE DU YUKON

Scale 1:50 000 Échelle

Miles 1 0 1 2 3 Milles
Metres 1000 0 1000 2000 3000 4000 Mètres

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CONVERSION SCALE FOR ELEVATIONS — ÉCHELLE DE CONVERSION DES ALTITUDES
Metres 30 20 10 0 50 100 150 200 250 300 Mètres
Feet 100 50 0 100 200 300 400 500 600 700 800 900 1000 Pieds

CONTOUR INTERVAL 100 FEET
Elevations in Feet above Mean Sea Level
North American Datum 1927
Transverse Mercator Projection

ÉQUIDISTANCE DES COURBES 100 PIEDS
Altitudes en pieds
Système de référence géodésique nord-américain, 1927
Projection transverse de Mercator

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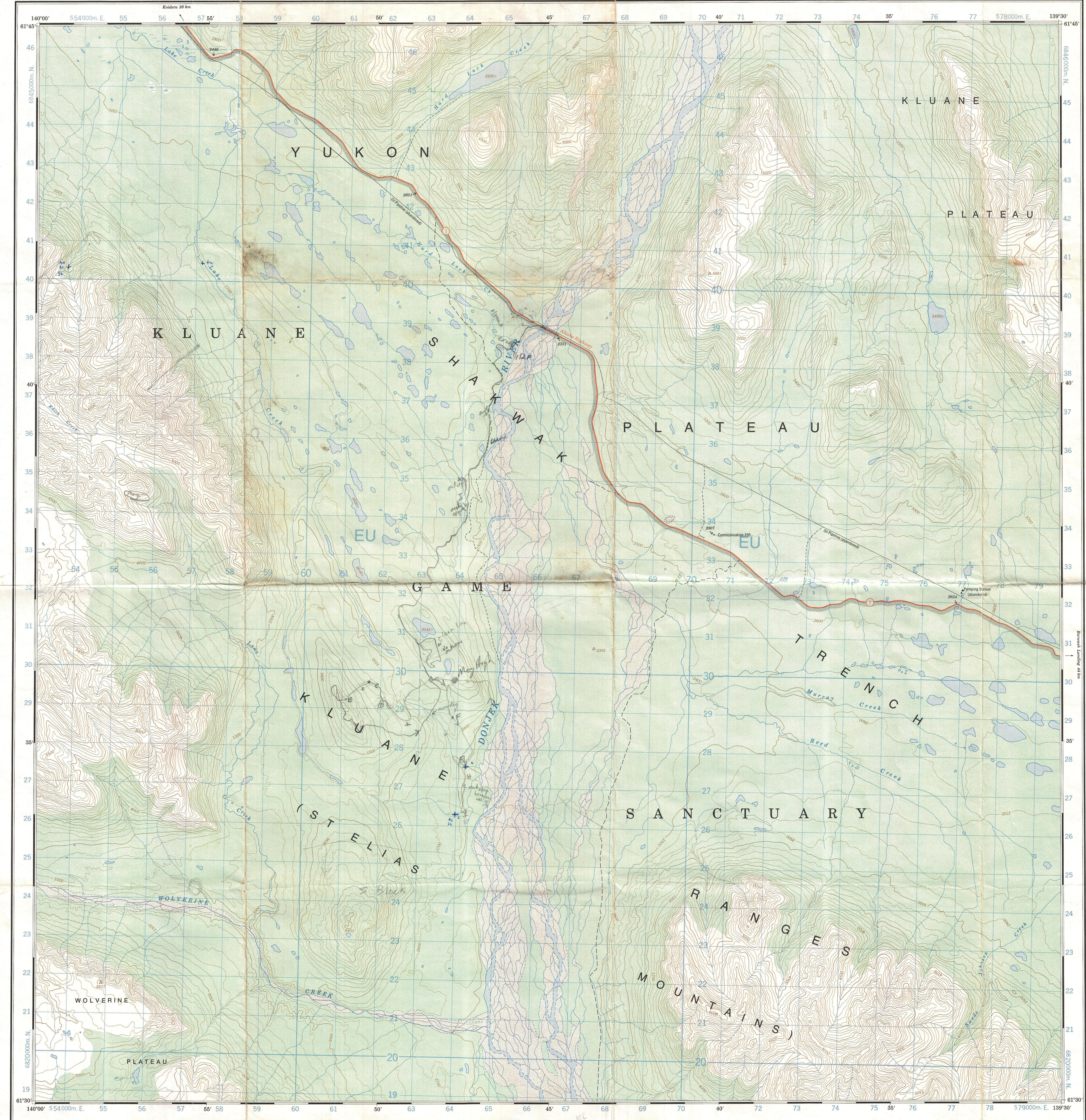
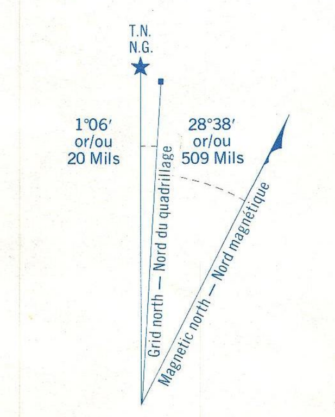
DRY CREEK
115 K/2
EDITION 3 ÉDITION

Energy, Mines and Resources Canada — Énergie, Mines et Ressources Canada

Military users, refer to this map as: Référence de cette carte pour usage militaire:	SERIES A 722 SÉRIE
	MAP 115 G/12 CARTE
	EDITION 2 MCE ÉDITION





Use diagram only to obtain numerical values
APPROXIMATE MEAN DECLINATION 1983
FOR CENTRE OF MAP
Annual change decreasing 5.0′

N'utiliser le diagramme que pour obtenir les valeurs numériques
DÉCLINAISON MOYENNE APPROXIMATIVE
AU CENTRE DE LA CARTE EN 1983
Variation annuelle décroissante 5,0′

ONE THOUSAND METRE
UNIVERSAL TRANSVERSE MERCATOR GRID
ZONE 7
QUADRILLAGE DE MILLE MÈTRES
TRANSVERSE UNIVERSEL DE MERCATOR

GRID ZONE DESIGNATION: DÉSIGNATION DE LA ZONE DU QUADRILLAGE:	100 000 m SQUARE IDENTIFICATION IDENTIFICATION DU CARRÉ DE 100 000 m
7V	EU

EXAMPLE OF METHOD USED TO GIVE A REFERENCE TO NEAREST 100 METRES
EXEMPLE DE LA MÉTHODE EMPLOYÉE POUR FIXER DES REPÈRES À 100 MÈTRES PRÈS

REFERENCE POINT / POINT DE REPÈRE: CHURCH - ÉGLISE (as above) (ci-dessus)

EASTING: Read number on grid line immediately to left of point: ABSCISSE: Noter le chiffre de la ligne du quadrillage immédiatement à gauche du repère:	97
Estimate tenths of a square from this line eastward to point: Estimer le nombre de dixièmes du carré entre cette ligne et le repère en direction est:	5
	975
NORTHING: Read number on grid line immediately below point: ORDONNÉE: Noter le chiffre de la ligne du quadrillage immédiatement en dessous du repère:	98
Estimate tenths of a square from this line northward to point: Estimer le nombre de dixièmes du carré entre cette ligne et le repère en direction nord:	4
GRID REFERENCE:	984
RÉFÉRENCE AU QUADRILLAGE:	975984

Nearest similar grid reference 100 000 metres
La prochaine référence similaire est à 100 000 mètres

115 F/16	115 G/13	115 G/14
115 F/9	115 G/12	115 G/11
115 F/8	115 G/5	115 G/6

Index to adjoining Maps of the National Topographic System
Tableau d'assemblage du Système national de référence cartographique

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loose surface, dry weather	de gravier, temps sec	
unclassified road or street	route non classée ou rue	
cart track	de terre	
trail, cut line or portage	sentier, percée ou portage	

FOR COMPLETE REFERENCE SEE REVERSE SIDE — POUR UNE LISTE COMPLÈTE DES SIGNES, VOIR AU VERSO

LYNX CREEK
YUKON TERRITORY TERRITOIRE DU YUKON

Scale 1:50 000 Échelle

Miles 1 0 1 2 3 Miles
Metres 1000 0 1000 2000 3000 4000 Metres

Information concerning bench marks and horizontal survey monuments can be obtained from Geodetic Survey, Surveys and Mapping Branch, Ottawa.

Pour tout renseignement concernant les repères et bornes altimétriques, s'adresser aux levés géodésiques, Direction des levés et de la cartographie, Ottawa.

CONVERSION SCALE FOR ELEVATIONS — ÉCHELLE DE CONVERSION DES ALTITUDES

Metres 30 20 10 0 50 100 150 200 250 300 Mètres
Feet 100 50 0 100 200 300 400 500 600 700 800 900 1000 Pieds

CONTOUR INTERVAL 100 FEET
Elevations in Feet above Mean Sea Level
North American Datum 1927
Transverse Mercator Projection

ÉQUIDISTANCE DES COURBES 100 PIEDS
Altitudes en pieds
Système de référence géodésique nord-américain, 1927
Projection transverse de Mercator

Établie par la DIRECTION DES LEVÉS ET DE LA CARTOGRAPHIE, MINISTÈRE DE L'ÉNERGIE, DES MINES ET DES RESSOURCES. Mise à jour à l'aide de photographies aériennes prises en 1979. Vérification des ouvrages en 1981. Publiée en 1983.

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LYNX CREEK
115 G/12
EDITION 2 ÉDITION

Energy, Mines and Resources Canada — Énergie, Mines et Ressources Canada

Aug 1-3

Military users, refer to this map as: Référence de cette carte pour usage militaire:
SERIES A 722 SÉRIE
MAP 115 G/6 CARTE
EDITION 2 MCE ÉDITION

Koidern 91 km

KLUANE NATIONAL PARK
PARC NATIONAL DE KLUANE
KLUANE GAME SANCTUARY
STELIAS MOUNTAINS
DONJEK RANGE
SHAKWAK TRENCH
KLUANE PLATEAU
BURWASH FLATS
BURWASH UPLANDS
BROOKS ARM
KLUANE LAKE
Alaska Highway
Abandoned Oil Pipeline
Outlet Hill
Airfield Condition Unknown
Burwash Airfield
Burwash Lake
Amphitheatre Mountain
Cabin
Land Claims
Duke Meadows
Burwash Landing 1 km

Use diagram only to obtain numerical values
APPROXIMATE MEAN DECLINATION 1983
FOR CENTRE OF MAP
Annual change decreasing 5.3'

N'utiliser le diagramme que pour obtenir les valeurs numériques
DÉCLINAISON MOYENNE APPROXIMATIVE
AU CENTRE DE LA CARTE EN 1983
Variation annuelle décroissante 5,3'

ONE THOUSAND METRE
UNIVERSAL TRANSVERSE MERCATOR GRID
ZONE 7
QUADRILLAGE DE MILLE MÈTRES
TRANSVERSE UNIVERSEL DE MERCATOR

GRID ZONE DESIGNATION: DÉSIGNATION DE LA ZONE DU QUADRILLAGE: 7V
100 000 m SQUARE IDENTIFICATION: IDENTIFICATION DU CARRÉ DE 100 000 m: EU FU ET FT 68 6

EXAMPLE OF METHOD USED TO GIVE A REFERENCE TO NEAREST 100 METRES
EXEMPLE DE LA MÉTHODE EMPLOYÉE POUR FIXER DES REPÈRES À 100 MÈTRES PRÈS

REFERENCE POINT / POINT DE REPÈRE: CHURCH - ÉGLISE (as above / ci-dessus)
EASTING: Read number on grid line immediately to left of point: ABSCISSE: Noter le chiffre de la ligne du quadrillage immédiatement à gauche du repère: 97
Estimate tenths of a square from this line eastward to point: Estimer le nombre de dixièmes du carré entre cette ligne et le repère en direction est: 5
975
NORTHING: Read number on grid line immediately below point: ORDONNÉE: Noter le chiffre de la ligne du quadrillage immédiatement en dessous du repère: 98
Estimate tenths of a square from this line northward to point: Estimer le nombre de dixièmes du carré entre cette ligne et le repère en direction nord: 4
GRID REFERENCE: RÉFÉRENCE AU QUADRILLAGE: 979984
Nearest similar grid reference 100 000 metres
La prochaine référence similaire est à 100 000 mètres

Index to adjoining Maps of the National Topographic System
Tableau d'assemblage du Système national de référence cartographique

115 G/12 | 115 G/11 | 115 G/10
115 G/5 | 115 G/6 | 115 G/7
115 G/4 | 115 G/3 | 115 G/2

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Roads: Routes:
loose or stabilized surface, all weather ... gravier, aggloméré, toute saison — 2 lanes or more, 2 voies ou plus — less than 2 lanes, moins de 2 voies
loose surface, dry weather ... de gravier, temps sec
unclassified streets ... rues hors classe
cart track ... de terre
trail, cut line or portage ... sentier, percée ou portage
FOR COMPLETE REFERENCE SEE REVERSE SIDE POUR UNE LISTE COMPLÈTE DES SIGNES, VOIR AU VERSO

DUKE RIVER
YUKON TERRITORY TERRITOIRE DU YUKON

Scale 1:50 000 Échelle

Miles 1 0 1 2 3 Miles
Metres 1000 0 1000 2000 3000 4000 Mètres
Yards 1000 0 1000 2000 3000 4000 Verges

Information concerning bench marks and horizontal survey monuments can be obtained from Geodetic Survey, Surveys and Mapping Branch, Ottawa.

CONVERSION SCALE FOR ELEVATIONS
Metres 30 20 10 0 50 100 150 200 250 300 Mètres
Feet 100 50 0 100 200 300 400 500 600 700 800 900 1000 Pieds

CONTOUR INTERVAL 100 FEET
Elevations in Feet above Mean Sea Level
North American Datum 1927
Transverse Mercator Projection

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ÉCHELLE DE CONVERSION DES ALTITUDES

ÉQUIDISTANCE DES COURBES 100 PIEDS
Altitudes en pieds
Système de référence géodésique nord-américain, 1927
Projection transverse de Mercator

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DUKE RIVER
115 G/6
EDITION 2 EDITION

Energy, Mines and Resources Canada Énergie, Mines et Ressources Canada

Military users, refer to this map as: Référence de cette carte pour usage militaire:	SERIES A 722 SÉRIE MAP 115 G/2 CARTE EDITION 3 MCE ÉDITION

T.N. N.G.

1°58′ or/ou 35 Mils

27°22′ or/ou 487 Mils

Grid north – Nord du quadrillage

Magnetic north – Nord magnétique

Use diagram only to obtain numerical values
APPROXIMATE MEAN DECLINATION 1982
FOR CENTRE OF MAP
Annual change decreasing 5.1′

N'utiliser le diagramme que pour obtenir les valeurs numériques
DÉCLINAISON MOYENNE APPROXIMATIVE
AU CENTRE DE LA CARTE EN 1982
Variation annuelle décroissante 5,1′

ONE THOUSAND METRE
UNIVERSAL TRANSVERSE MERCATOR GRID
ZONE 7
QUADRILLAGE DE MILLE MÈTRES
TRANSVERSE UNIVERSEL DE MERCATOR

GRID ZONE DESIGNATION: DÉSIGNATION DE LA ZONE DU QUADRILLAGE:	100 000 m SQUARE IDENTIFICATION IDENTIFICATION DU CARRÉ DE 100 000 m
7V	FT

EXAMPLE OF METHOD USED TO GIVE A REFERENCE TO NEAREST 100 METRES
EXEMPLE DE LA MÉTHODE EMPLOYÉE POUR FIXER DES REPÈRES À 100 MÈTRES PRÈS

REFERENCE POINT / POINT DE REPÈRE: CHURCH - ÉGLISE (as above) (ci-dessus)

EASTING: Read number on grid line immediately to left of point:
ABSCISSE: Noter le chiffre de la ligne du quadrillage immédiatement à gauche du repère: 97

Estimate tenths of a square from this line eastward to point:
Estimer le nombre de dixièmes du carré entre cette ligne et le repère en direction est: 5 — 975

NORTHING: Read number on grid line immediately below point:
ORDONNÉE: Noter le chiffre de la ligne du quadrillage immédiatement en dessous du repère: 98

Estimate tenths of a square from this line northward to point:
Estimer le nombre de dixièmes du carré entre cette ligne et le repère en direction nord: 4 — 984

GRID REFERENCE: / RÉFÉRENCE AU QUADRILLAGE: 975984

Nearest similar grid reference 100 000 metres (about 63 miles)
La prochaine référence similaire est à 100 000 mètres (environ 63 milles)

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loose or stabilized surface, all weather	gravier, aggloméré, toute saison		
loose surface, dry weather	de gravier, temps sec		
unclassified streets	rues hors classe		
cart track	de terre		
trail, cut line or portage	sentier, percée ou portage		

FOR COMPLETE REFERENCE SEE REVERSE SIDE — POUR UNE LISTE COMPLÈTE DES SIGNES, VOIR AU VERSO

CONGDON CREEK
YUKON TERRITORY

Scale 1:50 000 Échelle

Miles 1 0 1 2 3 Milles
Metres 1000 0 1000 2000 3000 4000 Mètres
Yards 1000 0 1000 2000 3000 4000 Verges

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Metres 30 20 10 0 50 100 150 200 250 300 Mètres
Feet 100 50 0 100 200 300 400 500 600 700 800 900 1000 Pieds

CONTOUR INTERVAL 100 FEET
Elevations in Feet above Mean Sea Level
North American Datum 1927
Transverse Mercator Projection

ÉQUIDISTANCE DES COURBES 100 PIEDS
Altitudes en pieds
Système de référence géodésique nord-américain, 1927
Projection transverse de Mercator

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115 G/6	115 G/7	115 G/8
115 G/3	115 G/2	115 G/1
115 B/14	115 B/15	115 B/16

139°30′ 61°30′ — 138°00′ 61°30′ — 60°45′ 139°30′ — 60°45′ 138°00′

Index to adjoining Maps of the National Topographic System
Tableau d'assemblage du Système national de référence cartographique

CONGDON CREEK
115 G/2
EDITION 3 ÉDITION

Energy, Mines and Resources Canada — Énergie, Mines et Ressources Canada

Military users, refer to this map as: Référence de cette carte pour usage militaire:
SERIES A 722 SÉRIE
MAP 115 F/15 CARTE
EDITION 2 MCE ÉDITION

CANYON MOUNTAIN
CANADA UNITED STATES OF AMERICA
CANADA ÉTATS-UNIS D'AMÉRIQUE

Scale 1:50 000 Échelle

Miles 1 0 1 2 3 Miles
Metres 1000 0 1000 2000 3000 4000 Mètres

CONTOUR INTERVAL 100 FEET
Elevations in Feet above Mean Sea Level
North American Datum 1927
Transverse Mercator Projection

ÉQUIDISTANCE DES COURBES 100 PIEDS
Altitudes en pieds
Système de référence géodésique nord-américain 1927
Projection transverse de Mercator

CONVERSION SCALE FOR ELEVATIONS
Metres 30 20 10 0 50 100
Feet 100 50 0 100 200 300 400 500 600 700 800 900 1000 Pieds

ÉCHELLE DE CONVERSION DES ALTITUDES
150 200 250 300 Mètres

Information concerning bench marks and horizontal survey monuments can be obtained from Geodetic Survey, Surveys and Mapping Branch, Ottawa.

Pour tout renseignement concernant les repères et bornes altimétriques, s'adresser aux levés géodésiques, Direction des levés et de la cartographie, Ottawa.

Produced by the SURVEYS AND MAPPING BRANCH, DEPARTMENT OF ENERGY MINES AND RESOURCES. Updated from aerial photographs taken in 1979. Culture check 1981. Published in 1986.

Copies may be obtained from the Canada Map Office, Department of Energy, Mines and Resources, Ottawa, or your nearest map dealer.

Roads:
loose or stabilized surface, all weather
loose surface, dry weather
unclassified road or street
cart track
trail, cut line or portage

Routes:
gravier, agglomeré, toute saison — 2 lanes or more, 2 voies ou plus
de gravier, temps sec
route non classée ou rue
de terre
sentier, percée ou portage — less than 2 lanes, moins de 2 voies

FOR COMPLETE REFERENCE SEE REVERS SIDE
POUR UNE LISTE COMPLÈTE DES SIGNES, VOIR AU VERSO

Établie par la DIRECTION DES LEVÉS ET DE LA CARTOGRAPHIE, MINISTÈRE DE L'ÉNERGIE, DES MINES ET DES RESSOURCES. Mise à jour à l'aide de photographies aériennes prises en 1979. Vérification des données en 1981. Publiée en 1986.

Ces cartes sont en vente au Bureau des Cartes du Canada, ministère de l'Énergie, des Mines et des Ressources, Ottawa, ou chez le vendeur le plus près.

T.N. N.G.
0°13' or/ou 4 Mils
28°58' or/ou 515 Mils
Grid north — Nord de quadrillage
Magnetic north — Nord magnétique

Use diagram only to obtain numerical values
APPROXIMATE MEAN DECLINATION 1985
FOR CENTRE OF MAP
Annual change decreasing 4.4'

N'utiliser le diagramme que pour obtenir les valeurs numériques
DÉCLINAISON MOYENNE APPROXIMATIVE
AU CENTRE DE LA CARTE EN 1985
Variation annuelle décroissante 4,4'

ONE THOUSAND METRE
UNIVERSAL TRANSVERSE MERCATOR GRID
ZONE 7
QUADRILLAGE UNIVERSEL TRANSVERSE DE MERCATOR
DE MILLE MÈTRES

GRID ZONE DESIGNATION: DÉSIGNATION DE LA ZONE DU QUADRILLAGE: 7 V

100 000 m SQUARE IDENTIFICATION: IDENTIFICATION DU CARRÉ DE 100 000 m: EU / 5

EXAMPLE OF METHOD USED TO GIVE A REFERENCE TO NEAREST 100 METRES
EXEMPLE DE LA MÉTHODE EMPLOYÉE POUR FIXER DES REPÈRES À 100 MÈTRES PRÈS

	CHURCH - ÉGLISE	(as above) (ci-dessus)
REFERENCE POINT / POINT DE REPÈRE		
EASTING: Read number on grid line immediately to left of point: ABSCISSE: Noter le chiffre de la ligne du quadrillage immédiatement à gauche du repère:		97
Estimate tenths of a square from this line eastward to point: Estimer le nombre de dixièmes du carré entre cette ligne et le repère en direction est:		5
		975
NORTHING: Read number on grid line immediately below point: ORDONNÉE: Noter le chiffre de la ligne du quadrillage immédiatement en dessous du repère:		98
Estimate tenths of a square from this line northward to point: Estimer le nombre de dixièmes du carré entre cette ligne et le repère en direction nord:		4
GRID REFERENCE: / RÉFÉRENCE AU QUADRILLAGE:		984 / 97984

Nearest similar grid reference 100 000 metres
La prochaine référence similaire est à 100 000 mètres

141°30' 62°15'		140°00' 62°15'
USA ÉU d'A	115 K/2	115 K/1
USA ÉU d'A	115 F/15	115 F/16
USA ÉU d'A	115 F/10	115 F/9
141°30' 61°30'		140°00' 61°30'

Index to adjoining Maps of the National Topographic System
Tableau d'assemblage du Système national de référence cartographique

CANYON MOUNTAIN
115 F/15
EDITION 2 EDITION

Energy, Mines and Resources Canada / Énergie, Mines et Ressources Canada

CANADA

EDITION 1 105 F/14

Military users, refer to this map as: / Référence de la carte pour usage militaire:	SERIES A 722 SÉRIE MAP 105 F/14 CARTE EDITION 1 MCE ÉDITION

133°30′ 79 580000m. E. 81 82 25′ 84 85 86 87 20′ 88 89 90 91 15′ 92 93 94 95 10′ 97 98 99 600 05′ 01 02 03 604000m. E. 133°00′

62°00′ — 6874000m. N. — 6975000m. N.

55′ — 50′ — 61°45′

133°30′ 580000m. E. 81 82 83 25′ 84 85 86 87 20′ 89 90 91 92 15′ 93 94 95 96 10′ 97 98 99 600 01 05′ 02 03 604000m. E. 05 133°00′

6848000m. N. — 6849000m. N.

LEGEND - LÉGENDE

ROADS AND RELATED FEATURES
HARD SURFACE, ALL WEATHER
LOOSE SURFACE
CART TRACK, WINTER ROAD OR ROAD UNDER CONSTRUCTION
TRAIL, CUT LINE, PORTAGE
BUILT-UP AREA
RAILWAY, SIDING, STATION, STOP
BRIDGE
SEAPLANE BASE, ANCHORAGE

LANDMARK FEATURES
HOUSE, BARN
CHURCH, SCHOOL
POST OFFICE
HISTORICAL SITE
TOWERS: FIRE, RADIO
WELL: OIL, GAS
TANK: OIL, GASOLINE, WATER
TELEPHONE LINE
POWER TRANSMISSION LINE
MINE
CUTTING, EMBANKMENT
GRAVEL PIT

BOUNDARIES AND SURVEY CONTROL
INTERNATIONAL, PROVINCIAL, BOUNDARY MONUMENT
COUNTY, DISTRICT
TOWNSHIP, PARISH - SURVEYED - UNSURVEYED
TOWNSHIP, DLS - SURVEYED, UNSURVEYED - SECTION CORNERS
MUNICIPALITY
INDIAN RESERVE, PARK, ETC
HORIZONTAL SURVEY POINT
BENCH MARK
SPOT ELEVATION, ELEVATION APPROXIMATE

DRAINAGE AND RELATED FEATURES
STREAM, SHORELINE: INDEFINITE
DIRECTION OF FLOW
LAKE, INTERMITTENT LAKE
INUNDATED LAND
MARSH, SWAMP (WOODED)
DRY RIVER BED WITH CHANNELS
SAND: ABOVE, IN WATER
STRING BOG
TUNDRA: PONDS, POLYGONS
RAPIDS, FALLS, RAPIDS
FORESHORE FLATS
ROCK
DAM
WHARF
DITCH

RELIEF FEATURES
CONTOURS
APPROXIMATE CONTOUR
DEPRESSION
ESKER
PINGO
SAND, SAND DUNES
PALSA BOG
WOODED AREA
CLEARED AREA

ROUTES ET OUVRAGES CONNEXES
SURFACE DURE, TOUTES SAISONS
GRAVIER
CHEMIN DE TERRE, D'HIVER OU CHEMIN EN CONSTRUCTION
SENTIER, PERCÉE, PORTAGE
AGGLOMÉRATION
CHEMIN DE FER, VOIE D'ÉVITEMENT, GARE, ARRÊT
PONT
HYDROAÉROPORT, MOUILLAGE

POINTS DE REPÈRE
MAISON, GRANGE
ÉGLISE, ÉCOLE
BUREAU DE POSTE
LIEU HISTORIQUE
TOURS: FEU, RADIO
PUITS: PÉTROLE, GAZ
RÉSERVOIR: PÉTROLE, ESSENCE, EAU
LIGNE TÉLÉPHONIQUE
LIGNE DE TRANSPORT D'ÉNERGIE
MINE
TRANCHÉE, REMBLAI
FOSSE DE GRAVIER

FRONTIÈRES ET POINTS DE RÉFÉRENCES
INTERNATIONALE, PROVINCIALE, BORNE FRONTIÈRE
COMTÉ, DISTRICT
CANTON PAROISSE - ARPENTE - NON ARPENTE - UNSURVEYED
CANTON, DLS - ARPENTE NON ARPENTE - SECTION ANGULAIRE
MUNICIPALITÉ
RÉSERVE INDIENNE, PARC, ETC.
REPÈRE PLANIMÉTRIQUE
REPÈRE DE NIVELLEMENT — BM 965
POINT COTÉ, ÉLÉVATION APPROXIMATIVE — 390 ± 721

DRAINAGE ET OUVRAGES CONNEXES
COURS D'EAU, RIVE; IMPRÉCISE
DIRECTION DU COURANT
LAC, LAC INTERMITTENT
TERRAIN INONDÉ
MARAIS, MARÉCAGE (BOISÉE)
LIT DE COURS D'EAU TARI AVEC CHENAUX
SABLE: AU DESSUS, DANS L'EAU
MARÉCAGES EN ENFILADE
TOUNDRA: ÉTANGS, SOLS POLYGONAUX
RAPIDES, CHUTES, RAPIDES
ESTRANS
ROCHE
BARRAGE
QUAI
FOSSÉ

RELIEF
COURBE DE NIVEAU
COURBE DE NIVEAU APPROXIMATIF
COURBE DE CUVETTE
ESKER
PINGO — ※125
SABLE: DUNES — SAND
PALSE — PB
RÉGION BOISÉE — F W C
REGION DÉBOISÉE

PHOTOGRAPHY COMPILATION — PHOTOGRAPHIE RESTITUTION

129	A 20114	9/67	134
141	A 20112	9/67	136
109	A 20114	9/67	104
17	A 20114	9/67	22

REVISION — RÉVISION

GRID ZONE DESIGNATION: DÉSIGNATION DE LA ZONE DU QUADRILLAGE: 8V

100,000 M. SQUARE IDENTIFICATION: IDENTIFICATION DU CARRÉ DE 100,000 M. — ND PD 6

EXAMPLE OF METHOD USED TO GIVE A REFERENCE TO NEAREST 100 METRES
EXEMPLE DE LA MÉTHODE EMPLOYÉE POUR FIXER DES REPÈRES À 100 MÈTRES PRÈS

99 / 98 / 97 — 95 96 97 98

REFERENCE POINT / POINT DE REPÈRE	CHURCH — ÉGLISE	(as above) (ci-dessus)
EASTING: Read number on grid line immediately to left of point:		
LONGITUDE EST: Noter le chiffre de la ligne du quadrillage immédiatement à gauche du repère:	97	
Estimate tenths of a square from this line eastward to point: / Estimer le nombre de dixièmes du carré entre cette ligne et le repère en direction est:	.5	975
NORTHING: Read number on grid line immediately below point:		
LATITUDE NORD: Noter le chiffre de la ligne du quadrillage immédiatement en-dessous du repère:	98	
Estimate tenths of a square from this line northward to point: / Estimer le nombre de dixièmes du carré entre cette ligne et le repère en direction nord:	.4	
GRID REFERENCE SAMPLE / EXEMPLE DU QUADRILLAGE		984 / 975984

Nearest similar grid reference 100,000 metres (about 63 miles)
La prochaine référence similaire est à 100,000 mètres (environ 63 miles)

105 K/4	105 K/3	105 K/2
105 F/13	105 F/14	105 F/15
105 F/12	105 F/11	105 F/10

ONE THOUSAND METRE
UNIVERSAL TRANSVERSE MERCATOR GRID
ZONE 8
QUADRILLAGE DE MILLE MÈTRES
UNIVERSEL TRANSVERSE DE MERCATOR

The 1973 MAGNETIC BEARING is 31°02′ (552 mils) EAST of GRID NORTH

ANNUAL CHANGE DECREASING 4.1′

GRID NORTH is 1°33′ (28 mils) EAST of TRUE NORTH for centre of map.

Le REPÈRE MAGNÉTIQUE en 1973 est 31°02′ (552 mils) à l'est du NORD DU QUADRILLAGE.

VARIATION ANNUELLE DÉCROISSANTE 4.1′

NORD DU QUADRILLAGE est 1°33′ (28 mils) a l'est du NORD GÉOGRAPHIQUE au centre de la carte.

CONVERSION SCALE FOR ELEVATIONS
ÉCHELLE DE CONVERSION DES ÉLÉVATIONS

Metres 30 20 10 0 — 50 100 150 200 250 300 Mètres
Feet 100 50 0 — 100 200 300 400 500 600 700 800 900 1000 Pieds

FOX CREEK

YUKON TERRITORY

Scale 1:50,000 Échelle

Miles 1 — 0 — 1 — 2 — 3 Miles
Metres 1000 — 0 — 1000 — 2000 — 3000 — 4000 Mètres
Yards 1000 — 0 — 1000 — 2000 — 3000 — 4000 Verges

PRODUCED BY SURVEYS AND MAPPING BRANCH, DEPARTMENT OF ENERGY, MINES AND RESOURCES, OTTAWA, 1969.

CONTOUR INTERVAL ..... 100 FEET

COPIES MAY BE OBTAINED FROM THE MAP DISTRIBUTION OFFICE, DEPARTMENT OF ENERGY, MINES AND RESOURCES, OTTAWA.

NORTH AMERICAN DATUM 1927

TRANSVERSE MERCATOR PROJECTION

CES CARTES SONT EN VENTE AU BUREAU DE DISTRIBUTION DES CARTES, MINISTÈRE DE L'ÉNERGIE, DES MINES ET DES RESSOURCES, OTTAWA.

SYSTÈME DE RÉFÉRENCE GÉODÉSIQUE NORD-AMÉRICAIN 1927

PROJECTION TRANSVERSE DE MERCATOR

ÉTABLIE PAR LA DIRECTION DES LEVÉS ET DE LA CARTOGRAPHIE, MINISTÈRE DE L'ÉNERGIE, DES MINES ET DES RESSOURCES, OTTAWA, EN 1969.

ÉQUIDISTANCE DES COURBES ..... 100 PIEDS

105 F/14
EDITION 1

PROVISIONAL MAP

105 F/11

1:50,000

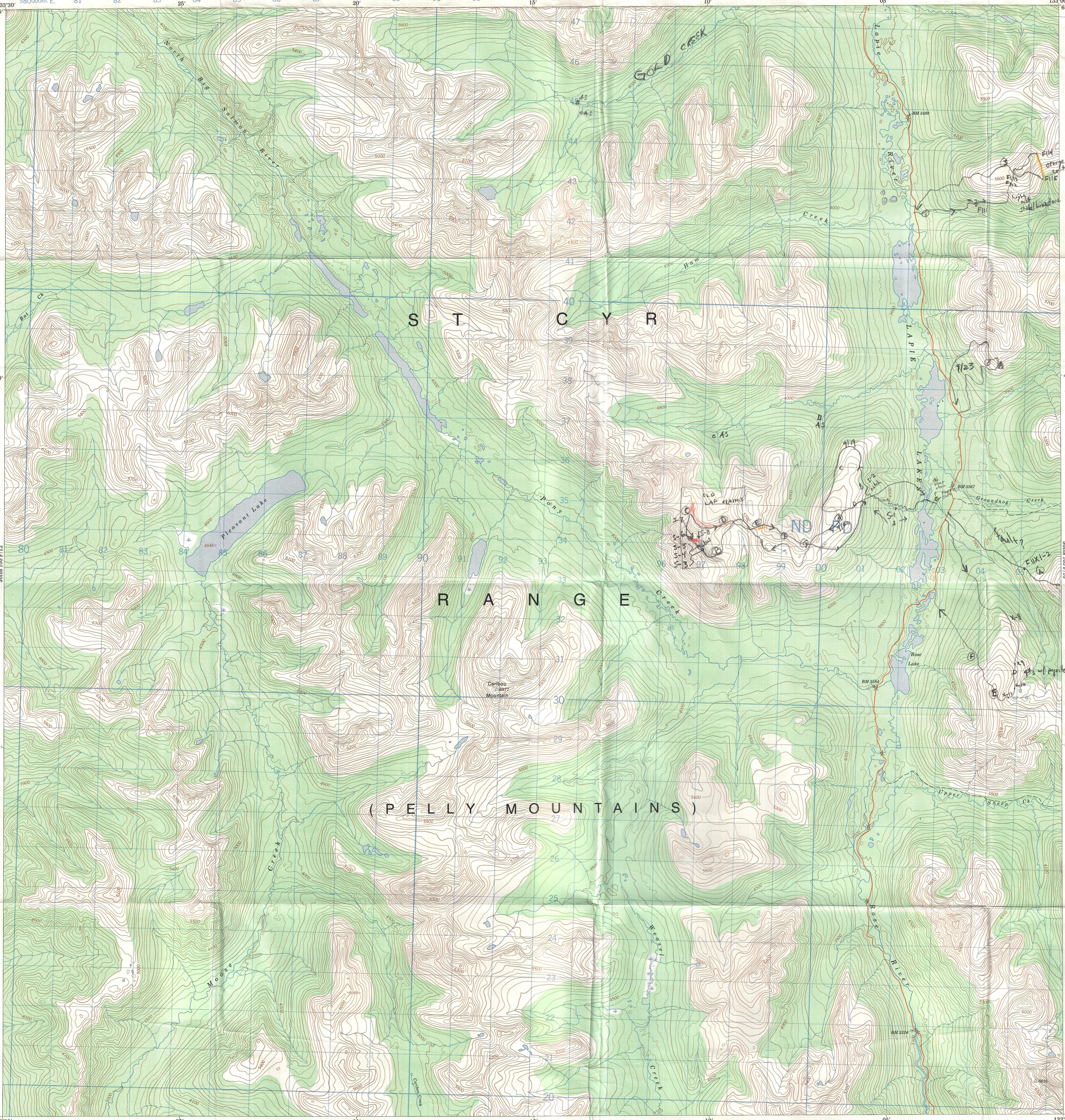
CANADA

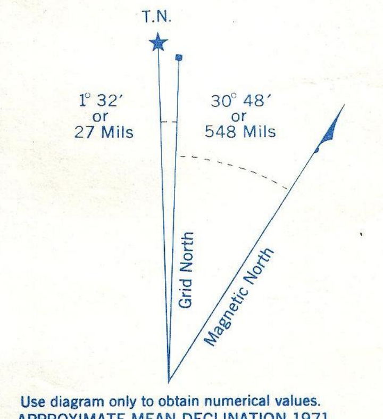
EDITION 1

CARTE PROVISOIRE

105 F/11

Refer to this map as: 105 F/11 EDITION 1 MCE SERIES A 722





Use diagram only to obtain numerical values.
APPROXIMATE MEAN DECLINATION 1971
FOR CENTRE OF MAP
Annual change decreasing 4.5′

ONE THOUSAND METRE
UNIVERSAL TRANSVERSE MERCATOR GRID

GRID ZONE DESIGNATION	100,000 M. SQUARE IDENTIFICATION
8V	ND PD 6

EXAMPLE OF METHOD USED TO GIVE A REFERENCE TO NEAREST 100 METRES

THE FOLLOWING GRID REFERENCE IS A SAMPLE ONLY AND DOES NOT REFER TO A POINT ON THIS MAP

REFERENCE POINT CHURCH (as above)

EASTING: Read number on grid line immediately to left of point — 97
Estimate tenths of a square from this line eastward to point — 5 — 975

NORTHING: Read number on grid line immediately below point — 98
Estimate tenths of a square from this line northward to point — 4 — 984

EXAMPLE MILITARY GRID REFERENCE 975984

Nearest similar grid reference 100,000 metres (about 63 miles)

ZONE 8

PONY CREEK
YUKON TERRITORY

Scale 1:50,000 Échelle

Miles 1 — 0 — 1 — 2 — 3 Milles

Metres 1000 — 0 — 1000 — 2000 — 3000 — 4000 Mètres

Yards 1000 — 0 — 1000 — 2000 — 3000 — 4000 Verges

Compiled by the SURVEYS AND MAPPING BRANCH, DEPARTMENT OF ENERGY, MINES AND RESOURCES. Produced by the MAPPING AND CHARTING ESTABLISHMENT, DEPARTMENT OF NATIONAL DEFENCE. Information depicted current as of 1967. Pinted 1971.

Copies may be obtained from the Map Distribution Office, Department of Energy, Mines and Resources, Ottawa.

Roads:	Routes:		
loose or stabilized surface, all weather...	gravier aggloméré, toute saison...	2 lanes or more / 2 voies ou plus	less than 2 lanes / moins de 2 voies
loose surface, dry weather and unclassified streets...	de gravier, temps sec et rues hors classe...		
cart track...	de terre...		
trail or portage...	sentier ou portage...		

This Provisional Map is equivalent to a standard map in accuracy of content.

Some names on this map are not yet official. Corrections or additions are invited by the Surveys and Mapping Branch.

CONTOUR INTERVAL 100 FEET
Elevations in Feet above Mean Sea Level
North American Datum 1927
Transverse Mercator Projection

Cette carte provisoire équivaut une carte régulière au point de vue précision de l'information

Certains noms inscrits sur cette carte ne sont pas encore officiels. La Direction des levés et de la cartographie saurait gré au public de lui signaler corrections et additions.

ÉQUIDISTANCE DES COURBES 100 PIEDS
Élévations en pieds au-dessus du niveau moyen de la mer
Système de référence géodésique nord-américain 1927
Projection transverse de Mercator

Rédigée par la DIRECTION DES LEVÉS ET DE LA CARTOGRAPHIE, MINISTÈRE DE L'ÉNERGIE, DES MINES ET DES RESSOURCES. Établie par le SERVICE DE LA CARTOGRAPHIE, MINISTÈRE DE LA DÉFENSE NATIONALE. Renseignements à jour en 1967. Imprimée en 1971.

Ces cartes sont en vente au Bureau de distribution des cartes, ministère de l'Énergie, des Mines et des Ressources, Ottawa.

PROVISIONAL MAP
105 F/10

CANADA

1:50,000

EDITION 1

CARTE PROVISOIRE
105 F/10

Joins 105 F/15

Refer to this map as: 105 F/10 EDITION 1 MCE SERIES A 722

S T C Y R

R A N G E

(P E L L Y M O U N T A I N S)

Joins 105 F/11

Joins 105 F/9

Joins 105 F/7

PASS PEAK
YUKON TERRITORY

Scale 1:50,000 Échelle

Miles 1 0 1 2 3 Milles
Metres 1000 0 1000 2000 3000 4000 Mètres
Yards 1000 0 1000 2000 3000 4000 Verges

CONVERSION SCALE FOR ELEVATIONS
Metres 300 200 100 0 100 200 300 400 500 600 700 800 900 1000
Feet 1000 650 300 0 300 650 1000 1300 1650 2000 2300 2650 3000 3300

T.N.
1° 59' or 35 Mils
30° 29' or 542 Mils
Grid North
Magnetic North

Use diagram only to obtain numerical values.
APPROXIMATE MEAN DECLINATION 1971
FOR CENTRE OF MAP
Annual change decreasing 4.6'

ONE THOUSAND METRE
UNIVERSAL TRANSVERSE MERCATOR GRID

GRID ZONE DESIGNATION	100,000 M. SQUARE IDENTIFICATION
8V	PD

EXAMPLE OF METHOD USED
TO GIVE A REFERENCE TO NEAREST 100 METRES
THE FOLLOWING GRID REFERENCE IS A SAMPLE ONLY AND DOES NOT REFER TO A POINT ON THIS MAP

99 / 98 / 97 — 95 96 97 98

REFERENCE POINT CHURCH (as above)	
EASTING: Read number on grid line immediately to left of point	97
Estimate tenths of a square from this line eastward to point	5
	975
NORTHING: Read number on grid line immediately below point	98
Estimate tenths of a square from this line northward to point	4
	984

EXAMPLE MILITARY GRID REFERENCE 975984

Nearest similar grid reference 100,000 metres (about 63 miles)

ZONE 8

Compiled by the SURVEYS AND MAPPING BRANCH, DEPARTMENT OF ENERGY, MINES AND RESOURCES. Produced by the MAPPING AND CHARTING ESTABLISHMENT, DEPARTMENT OF NATIONAL DEFENCE. Information depicted current as of 1967. Printed 1971.

Copies may be obtained from the Map Distribution Office, Department of Energy, Mines and Resources, Ottawa.

Roads: cart track ..... trail or portage .....
Routes: de terre ..... sentier ou portage .....

This Provisional Map is equivalent to a standard map in accuracy of content.

Some names on this map are not yet official. Corrections or additions are invited by the Surveys and Mapping Branch.

CONTOUR INTERVAL 100 FEET
Elevations in Feet above Mean Sea Level
North American Datum 1927
Transverse Mercator Projection

Cette carte provisoire équivaut une carte régulière au point de vue précision de l'information.

Certains noms inscrits sur cette carte ne sont pas encore officiels. La Direction des levés et de la cartographie saurait gré au public de lui signaler corrections et additions.

ÉQUIDISTANCE DES COURBES 100 PIEDS
Élévations en pieds au-dessus du niveau moyen de la mer
Niveau de référence nord-américain 1927
Projection transverse de Mercator

Rédigée par la DIRECTION DES LEVÉS ET DE LA CARTOGRAPHIE, MINISTÈRE DE L'ÉNERGIE, DES MINES ET DES RESSOURCES. Établie par le SERVICE DE LA CARTOGRAPHIE, MINISTÈRE DE LA DÉFENSE NATIONALE. Renseignements à jour en 1967. Imprimée en 1971.

Ces cartes sont en vente au Bureau de distribution des cartes, ministère de l'Énergie, des Mines et des Ressources, Ottawa.

105 F/10
EDITION 1

June 29 88 - V out contacts on N. Lorne

@X - 6"x6" "metaliferous" float
very hvy - much malachite, Fe
chalcopyrite etc - aplonite

@A - outcrop - grey aplonite w/ vugs
basalt EW strike steep dip

@B granite float w/ biotite

C tuffs / argillites

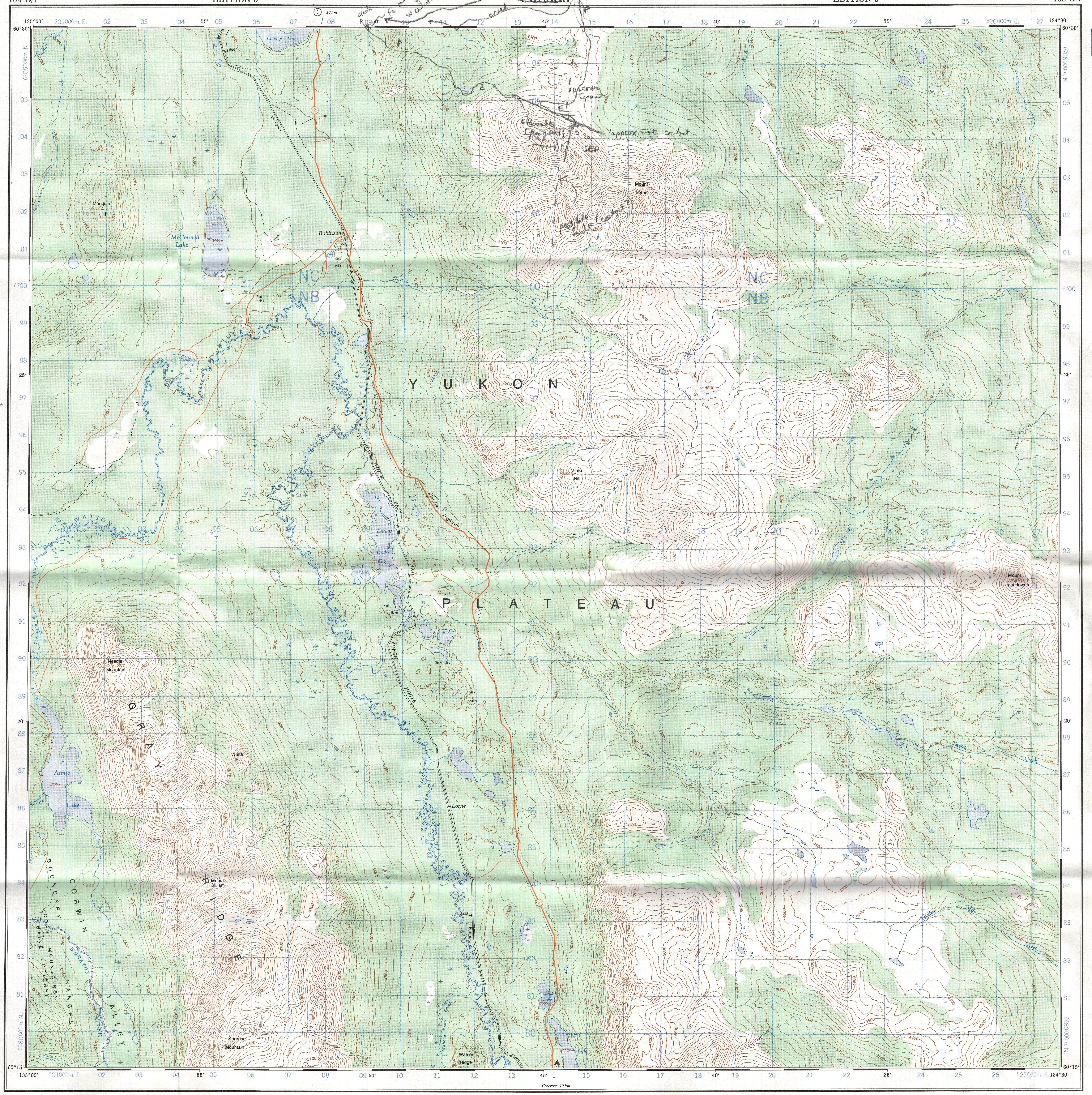
D same as C - contact not
really noticed but several
possible fault lines - trending
N-S (notches in ridge etc)

I didn't detect any significant
change in rock as shown on geol
map

E. granite boulders / bedrock
from E to F. country has
been staked several times
in past (old). Possibly speculation
This was another montana mtn

after F no outcrops but
granite (granodiorite?) float

105 D/7 EDITION 3 Canada ÉDITION 3 105 D/7



ROBINSON
105 D/7
EDITION 3 ÉDITION

Military users, refer to this map as: Référence de cette carte pour usage militaire:	SERIES A 722 SÉRIE MAP 105 D/7 CARTE EDITION 3 MCE ÉDITION

Use diagram only to obtain numerical values
APPROXIMATE MEAN DECLINATION 1986 FOR CENTRE OF MAP
Annual change decreasing 14.3′

N'utiliser le diagramme que pour obtenir les valeurs numériques
DÉCLINAISON MOYENNE APPROXIMATIVE AU CENTRE DE LA CARTE EN 1986
Variation annuelle décroissante 14,3′

ONE THOUSAND METRE
UNIVERSAL TRANSVERSE MERCATOR GRID
ZONE 8
QUADRILLAGE UNIVERSEL TRANSVERSE DE MERCATOR
DE MILLE MÈTRES

GRID ZONE DESIGNATION: DÉSIGNATION DE LA ZONE DU QUADRILLAGE:	100 000 m SQUARE IDENTIFICATION / IDENTIFICATION DU CARRÉ DE 100 000 m
8V	NC / NB

EXAMPLE OF METHOD USED TO GIVE A REFERENCE TO NEAREST 100 METRES
EXEMPLE DE LA MÉTHODE EMPLOYÉE POUR FIXER DES REPÈRES À 100 MÈTRES PRÈS

REFERENCE POINT / POINT DE REPÈRE: CHURCH - ÉGLISE (as above) (ci-dessus)

EASTING: Read number on grid line immediately to left of point:
ABSCISSE: Noter le chiffre de la ligne du quadrillage immédiatement à gauche du repère: 97
Estimate tenths of a square from this line eastward to point:
Estimer le nombre de dixièmes du carré entre cette ligne et le repère en direction est: 5 — 975

NORTHING: Read number on grid line immediately below point:
ORDONNÉE: Noter le chiffre de la ligne du quadrillage immédiatement en dessous du repère: 98
Estimate tenths of a square from this line northward to point:
Estimer le nombre de dixièmes du carré entre cette ligne et le repère en direction nord: 4

GRID REFERENCE: 984
RÉFÉRENCE AU QUADRILLAGE: 975984

Nearest similar grid reference 100 000 metres
La prochaine référence similaire est à 100 000 mètres

105 D/11	105 D/10	105 D/9
105 D/6	105 D/7	105 D/8
105 D/3	105 D/2	105 D/1

Index to adjoining Maps of the National Topographic System
Tableau d'assemblage du Système national de référence cartographique

PRODUCED BY THE SURVEYS AND MAPPING BRANCH, DEPARTMENT OF ENERGY, MINES AND RESOURCES. UPDATED FROM AERIAL PHOTOGRAPHS TAKEN IN 1979. CULTURE CHECK 1981. PUBLISHED IN 1986.

COPIES MAY BE OBTAINED FROM THE CANADA MAP OFFICE, DEPARTMENT OF ENERGY, MINES AND RESOURCES, OTTAWA, OR YOUR NEAREST MAP DEALER.

Roads:	Routes:
loose or stabilized surface, all weather	gravier, aggloméré, toute saison (2 lanes or more / 2 voies ou plus; less than 2 lanes / moins de 2 voies)
loose surface, dry weather	de gravier, temps sec
unclassified road or street	route non classée ou rue
cart track	de terre
trail, cut line or portage	sentier, percée ou portage

FOR COMPLETE REFERENCE SEE REVERSE SIDE — POUR UNE LISTE COMPLÈTE DES SIGNES, VOIR AU VERSO

ROBINSON

YUKON TERRITORY TERRITOIRE DU YUKON

Scale 1:50 000 Échelle

Information concerning bench marks and horizontal survey monuments can be obtained from Geodetic Survey, Surveys and Mapping Branch, Ottawa.

Pour tout renseignement concernant les repères et bornes altimétriques, s'adresser aux levés géodésiques, Direction des levés et de la cartographie, Ottawa.

CONVERSION SCALE FOR ELEVATIONS — ÉCHELLE DE CONVERSION DES ALTITUDES

CONTOUR INTERVAL 100 FEET
Elevations in Feet above Mean Sea Level
North American Datum 1927
Transverse Mercator Projection

ÉQUIDISTANCE DES COURBES 100 PIEDS
Altitudes en pieds
Système de référence géodésique nord-américain, 1927
Projection transverse de Mercator

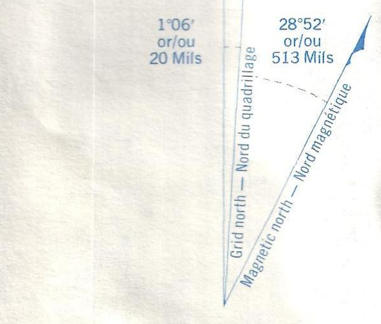
ÉTABLIE PAR LA DIRECTION DES LEVÉS ET DE LA CARTOGRAPHIE, MINISTÈRE DE L'ÉNERGIE, DES MINES ET DES RESSOURCES. MISE À JOUR À L'AIDE DE PHOTOGRAPHIES AÉRIENNES PRISES EN 1979. VÉRIFICATION DES OUVRAGES EN 1981. PUBLIÉE EN 1986.

CES CARTES SONT EN VENTE AU BUREAU DES CARTES DU CANADA, MINISTÈRE DE L'ÉNERGIE, DES MINES ET DES RESSOURCES, OTTAWA, OU CHEZ LE VENDEUR LE PLUS PRÈS.

ROBINSON
105 D/7
EDITION 3 ÉDITION

Energy, Mines and Resources Canada — Énergie, Mines et Ressources Canada

Military users, refer to this map as:	SERIES A 722 SÉRIE	
	MAP 115 G/13 CARTE	
Référence de cette carte pour usage militaire:	EDITION 3 MCE ÉDITION	



Use diagram only to obtain numerical values
APPROXIMATE MEAN DECLINATION 1983
FOR CENTRE OF MAP
Annual change decreasing 5.0'

N'utiliser le diagramme que pour obtenir les valeurs numériques
DÉCLINAISON MOYENNE APPROXIMATIVE
AU CENTRE DE LA CARTE EN 1983
Variation annuelle décroissante 5,0'

ONE THOUSAND METRE
UNIVERSAL TRANSVERSE MERCATOR GRID
ZONE 7
QUADRILLAGE DE MILLE MÈTRES
TRANSVERSE UNIVERSEL DE MERCATOR

GRID ZONE DESIGNATION: DÉSIGNATION DE LA ZONE DU QUADRILLAGE:	100 000 m SQUARE IDENTIFICATION IDENTIFICATION DU CARRÉ DE 100 000 m
7V	EU

EXAMPLE OF METHOD USED TO GIVE A REFERENCE TO NEAREST 100 METRES
EXEMPLE DE LA MÉTHODE EMPLOYÉE POUR FIXER DES REPÈRES À 100 MÈTRES PRÈS

REFERENCE POINT / POINT DE REPÈRE	CHURCH - ÉGLISE (as above) (ci-dessus)
EASTING: Read number on grid line immediately to left of point: ABSCISSE: Noter le chiffre de la ligne du quadrillage immédiatement à gauche du repère:	97
Estimate tenths of a square from this line eastward to point: Estimer le nombre de dixièmes du carré entre cette ligne et le repère en direction est:	5
	975
NORTHING: Read number on grid line immediately below point: ORDONNÉE: Noter le chiffre de la ligne du quadrillage immédiatement en dessous du repère:	98
Estimate tenths of a square from this line northward to point: Estimer le nombre de dixièmes du carré entre cette ligne et le repère en direction nord:	4
	984
GRID REFERENCE: RÉFÉRENCE AU QUADRILLAGE:	975984

Nearest similar grid reference 100 000 metres
La prochaine référence similaire est à 100 000 mètres

140°30' 62°15'		139°00' 62°15'
115 K/1	115 J/4	115 J/3
115 F/16	115 G/13	115 G/14
115 F/9	115 G/12	115 G/11
61°30' 140°30'		61°30' 139°00'

Index to adjoining Maps of the National Topographic System
Tableau d'assemblage du Système national de référence cartographique

Produced by the SURVEYS AND MAPPING BRANCH, DEPARTMENT OF ENERGY, MINES AND RESOURCES. Updated from aerial photographs taken in 1979. Culture check 1981. Published in 1983.

Copies may be obtained from the Canada Map Office, Department of Energy, Mines and Resources, Ottawa, or your nearest map dealer.

Roads:	Routes:	2 lanes or more / 2 voies ou plus	less than 2 lanes / moins de 2 voies
loose or stabilized surface, all weather	gravier, aggloméré, toute saison		
loose surface, dry weather	de gravier, temps sec		
unclassified road or street	route non classée ou rue		
cart track	de terre		
trail, cut line or portage	sentier, percée ou portage		

FOR COMPLETE REFERENCE SEE REVERSE SIDE — POUR UNE LISTE COMPLÈTE DES SIGNES, VOIR AU VERSO

TOM MURRAY CREEK
YUKON TERRITORY TERRITOIRE DU YUKON

Scale 1:50 000 Échelle
Miles 1 0 1 2 3 Milles
Metres 1000 0 1000 2000 3000 4000 Mètres

Information concerning bench marks and horizontal survey monuments can be obtained from Geodetic Survey, Surveys and Mapping Branch, Ottawa.

Pour tout renseignement concernant les repères et bornes altimétriques, s'adresser aux levés géodésiques, Direction des levés et de la cartographie, Ottawa.

CONVERSION SCALE FOR ELEVATIONS — ÉCHELLE DE CONVERSION DES ALTITUDES
Metres 30 20 10 0 50 100 150 200 250 300 Mètres
Feet 100 50 0 100 200 300 400 500 600 700 800 900 1000 Pieds

CONTOUR INTERVAL 100 FEET
Elevations in Feet above Mean Sea Level
North American Datum 1927
Transverse Mercator Projection

ÉQUIDISTANCE DES COURBES 100 PIEDS
Altitudes en pieds
Système de référence géodésique nord-américain, 1927
Projection transverse de Mercator

Établie par la DIRECTION DES LEVÉS ET DE LA CARTOGRAPHIE, MINISTÈRE DE L'ÉNERGIE, DES MINES ET DES RESSOURCES. Mise à jour à l'aide de photographies aériennes prises en 1979. Vérification des ouvrages en 1981. Publiée en 1983.

Ces cartes sont en vente au Bureau des Cartes du Canada, ministère de l'Énergie, des Mines et des Ressources, Ottawa, ou chez le vendeur le plus près.

TOM MURRAY CREEK
115 G/13
EDITION 3 ÉDITION

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