

ARIS SUMMARY SHEET

District Geologist, Nelson

Off Confidential: 92.08.22

ASSESSMENT REPORT 21786

MINING DIVISION: Fort Steele

PROPERTY: Canam

LOCATION: LAT 49 02 00 LONG 115 58 00
UTM 11 5431456 575532
NTS 082G04W

CLAIM(S): Canam 10-11

OPERATOR(S): Cominco

AUTHOR(S): Anderson, D.

REPORT YEAR: 1991, 20 Pages

COMMODITIES

SEARCHED FOR: Lead, Zinc, Silver

KEYWORDS: Proterozoic, Aldridge Formation, Sediments, Intrusives, Faults
Sulphides

WORK

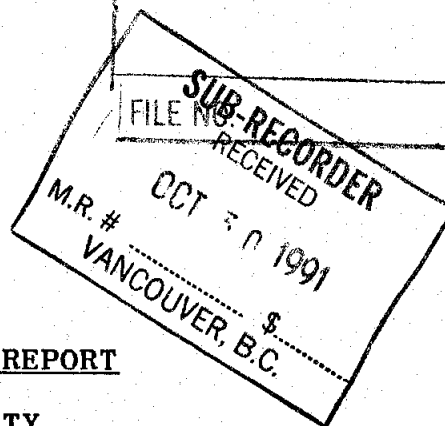
DONE: Drilling
DIAD 868.9 m 3 hole(s); NQ
Map(s) - 2; Scale(s) - 1:50 000, 1:10 000

COMINCO LTD

EXPLORATION

WESTERN DISTRICT

LOG NO: 911105	RD.
ACTION:	



DIAMOND DRILLING REPORT

CANAM PROPERTY

FORT STEELE MINING DIVISION, B.C.

NTS 82F/1 AND 82G/4

-- ASSESSMENT REPORT --

Latitude: 49°02'

Longitude: 116°00'

OWNER: Cominco Ltd.

Kootenay Exploration
1051 Industrial Road #2
Cranbrook, B.C.
V1C 4K7

Work performed during August, 1991.

Report by: D. Anderson

Submitted: Oct 11, 1991
**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

21,786

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COMINCO LTD.EXPLORATIONWESTERN DISTRICT

DIAMOND DRILLING REPORT

CANAM CLAIMS

FORT STEELE M.D.

D. Anderson

October 1991

1.00 INTRODUCTION

1.10 Location and Access - The Canam group of claims are centered about nine kilometers ESE from the village of Yahk or about 57 air-kilometers SSW from Cranbrook, B.C. The property is accessed from Highway 3 at Yahk by driving a well developed system of logging roads east up the Hawkins Creek drainage. The topography of the area is one of modest relief with rounded, heavily forested mountains. The thick cover of trees is primarily pine with some fir and larch.

1.20 Property Definition and History - The Canam property totals 42 claims encompassing 355 units. The claims are relatively new, with the original claims staked in 1989, expanding in 1990 and 1991. Geological mapping is ongoing, establishing the area as Middle Aldridge stratigraphy predominantly, with the Lower Aldridge division on the western side of the block. Soil geochem grids have been completed and reported on. Linecutting has been extensive to establish grid control for UTEM geophysics surveys in 1990 and 1991. The claims are held for their Pb-Zn-Ag potential and are 100% owned by Cominco Ltd.

2.00 SUMMARY OF WORK DONE

NQ

In order to evaluate a soil geochem anomaly and a geophysics anomaly, a total of three NW-sized drill holes were completed totalling 868.90 meters. The accompanying map (in pocket) illustrates the locations of the holes on claims Canam 10 and 11.

3.00 DIAMOND DRILLING

3.10 Drill Holes C-91-1 and C-91-3 - These two holes were angle holes, designed to test a lead and zinc soil anomaly on the east-facing slope of a mountainside in the South Hawkins drainage.

In general, the holes intersected Middle Aldridge sediments composed of a sequence of alternating quartzites and

argillites on a bed by bed scale or on a larger, composite scale to intervals dominated by one of these lithologies. The quartzite/argillite demarcation represents the end members of a spectrum of compositions possible in individual units or turbidites. The turbidites vary from thin to very thick-bedded and have bedforms with varying Bouma-style divisions. Most turbidites are either A, AE, or ACE styles meaning a graded or non-graded sand to a sand base/mud top to a sand base to weakly laminated zone to a mud top. The grouping or definition of intervals of like-sediments is documented in the drill logs and is necessarily subjective.

Hole number one (C-91-1) was drilled at -47 degrees on an azimuth of 260 degrees to a final depth of 343.59 meters. It was designed to test the core of a Pb/Zn anomaly. The Middle Aldridge sediments are quartzite dominated overall with inter-turbidite argillaceous intervals. Details regarding individual beds or zones are contained in the log. Oxidation of the core continued to a depth of about 45 meters. The only readily identifiable argillaceous interval of any size is from 26.2 to 46.95 meters. Some of the rocks are altered to varying degrees, the principal alteration being a biotitic one within the more quartzitic rocks with or without a bronze mica, chlorite, and sericite. The more argillaceous units are sometimes sericitized. As well, a local alteration of silica, chlorite, garnet, and calcite can be superimposed on the above altered rocks.

This hole intersected intermittent, very weak disseminated sphalerite and lesser galena with the occasional fine fracture or narrow quartz vein carrying galena, sphalerite, and pyrite.

Hole number three (C-91-3) was drilled 700 meters to the north of hole one to test the Zn extension to the soil anomaly. It was collared at -45° on an azimuth of 270 degrees and drilled to 206.09 meters. It intersected similar Middle Aldridge sediments to the first hole but included a Moyie gabbro sill from 87.65 to 129.82 meters. Three short intervals of trace to very weak, disseminated sphalerite occur within the hole. Any alteration is much more sporadic but biotitization and silica/garnet zones are noted.

- 3.20 Drill Hole C-91-2 - The second drill hole was targeted on a UTEM geophysics anomaly about 2 kilometers east of hole number one. The hole was collared at -68° to 270° and drilled to 319.2 meters. The hole was entirely in Middle Aldridge sediments ending in a Moyie gabbro sill. The quartzites are not as dominant in this hole with more thin bedded to laminated subwackes and wackes, some of which are locally quite limey. An interval of these lithologies


contained a number of widely scattered pyrrhotite laminations. The quartzite-rich sections are predominantly medium-bedded, quartzitic wacke turbidites. Alteration of the sediments is limited to weak to moderate biotite spotting and local silicification with garnet development.

4.00 CONCLUSIONS


Drill holes one and three intersected Middle Aldridge sediments dominated by thin to medium-bedded quartzitic wacke to quartz wacke. Biotite alteration is quite pervasive, especially in hole one. Intense but local alteration by silica and garnet is noted in both holes. There is sufficient, weakly disseminated sphalerite and galena to produce the soil geochem anomaly.

Drill hole two successfully tested a UTEM geophysics response. The pyrrhotite laminations, conductive across the core, are interpreted as the source of the EM anomaly.

Report by:


D. Anderson
Senior Geologist

Approved by:


W. J. Wolfe
Manager Exploration

DA/el

Distribution: Kootenay Exploration
Vancouver Exploration
Mining Recorder

EXHIBIT "A"


STATEMENT OF EXPENDITURES

DIAMOND DRILLING - CANAM CLAIMS

FORT STEELE MINING DIVISION

SALARIES:	Planning and Supervision, core logging report writing:	
	12 days @ \$300 per day	\$3600.00
DRILLING:	Connors Drilling 2007 W. TransCanada Hwy. Kamloops, B.C. V1S 1A7	\$72000.00
CAT WORK:	W. Grindle R.R.#1 Box 1A Site 62 Creston, B.C. V0B 1G0	
	R. Wright, Wright Contracting RR2 Site 8 Box B2 Cranbrook, B.C. V1C 4H3	\$8000.00
TRUCKS AND TRANSPORTATION:		
	12 days @ \$40.00 per day	\$480.00

TOTAL: \$84080.00



D. Anderson
Senior Geologist

IN THE MATTER OF THE
B.C. MINERAL ACT
AND
IN THE MATTER OF A DIAMOND DRILL PROGRAM
CARRIED OUT ON THE CANAM CLAIMS
in the Fort Steele Mining Division of
the Province of British Columbia
More Particularly N.T.S. 82F/1 and 82G/4

A F F I D A V I T

I, D. Anderson, of the City of Cranbrook, in the Province of British Columbia, make Oath and say:

1. That I am employed as a Geologist by Cominco Ltd. and as such, have a personal knowledge of the facts to which I hereinafter depose:
2. That annexed hereto and marked as Exhibit "A" to this my affidavit is a true copy of expenditures incurred on a diamond drill program on the Canam claims.
3. That the said expenditures were incurred between the 1st of August, 1991 and the 19th of August, 1991.


D. Anderson
Senior Geologist

COMINCO LTD.EXPLORATIONWESTERN DISTRICTAUTHOR'S QUALIFICATIONS

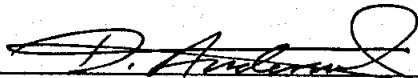
As author of this report, I, D. Anderson certify that:

I am employed by Cominco Ltd. as a geologist active in mineral exploration.

I am a graduate of the University of British Columbia with a degree of Bachelor of Applied Science.

I have been continuously engaged in geology and mineral exploration for 22 years.

I am a member of the Association of Professional Engineers of British Columbia.



D. Anderson, P. Eng.
Senior Geologist

Drill Hole Record

Colour Plot
& Dips



Property	CANAM	District	Western	Hole No.	C-91-1
Commenced	August 6, 1991	Location	Canam 10	Tests at	91.5m, 259m, 343.5 m
Completed	August 10, 1991	Core Size	NQ	Corr. Dip Collar	-47°
Co-ordinates	5428900N 575700E			True Brg. Collar	580°W
Objective	To test a geochem anomaly.			Logged by	D. Anderson
		% Recov.	96%	Date	August 1991

Claim	Canam 10
T Brg	580°W
Collar Dip	-47°
Elev.	1710 m
Length	343.60 m
Hole No	C-91-1
Sheet	

From	To	Description
0	21.34 meters	Overburden - 70' of soil, glacial till, and bedrock as oxidized rubble were included as non-recoverable.
		Middle Aldridge stratigraphy:
21.34	26.22	White Quartzites - medium-grained, grains in a lighter-coloured, fine-grained matrix which is variably oxidized. Moderately fractured at 15-25° to core axis. Unusual dark alteration which is principally biotite pervading the quartzite matrix.
		Oxidation is widespread; it extends down to approximately 45 meters.
26.22	46.95	Altered and weathered sequence with pervasive oxidation - from short, fresher intervals appears as if pyrite patches and lams to 10% of rock. To 45 m, at least, rock is mostly soft, light grey, altered wackes or subwackes with occasional break to a sandy, quartzitic unit which is usually < 30 cm thick. Bedding difficult to recognize - rusty lams indicate B at 20° to c.a. 85% wacke-subwacke/15% quartzite.
		Below 45m less oxidized but the same sequence as from 26.22 meters. Light grey, altered (sericitized), thin-bedded subwackes originally, interbedded with medium-grained, light grey, pyrite spotted quartzites. Biotite/pyrite spotting of the coarser units and pyrite (biotite) along lams in the argillaceous units. Some movement of sulfide into cleavage at 30-50° to bedding.
46.95	80.18	46.95 - 48.27 One of the thicker grey quartzites. To about 46 m is predominantly an argillaceous interval with thin quartzites. From 46 m down

Analysis									

Colour Plot
& Dips



67.49 - 67.99 Silicified, f.g. zone with pyrite-galena-sphalerite. Some of the quartzites are getting dark grey but only spotty at this depth. Some of the beds have crude circular structures - pyrite cores with minor galena and or sphalerite.

Section is getting predominantly argillaceous but also light and dark grey quartzites still present. Some visible disseminated galena and sphalerite in dark altered pyritic quartzite units.

AE turbidites (or ACE) varying from 10 to 75 cm thick, so predominantly medium bedded. The generally light grey quartz wackes to quartzitic wacke bases have a 10-20% argillaceous top of pale greenish-grey to buff argillite which is sometimes laminated with some iron sulfide (pyrite or pyrrhotite). The quartzitic bases sometimes have disseminated to patchy pyrite, occasional minor galena to about 101 meters. Some of the core is still oxidized to 100 m and below. The argillites to wackes are limited to tops to beds and a few inter-turbidite intervals ≤ 30 cm thick. They contain some pyritic laminae occasionally. Bedding is at 75-80° to c.a. White to slightly pink garnets and biotite which is pervasive are the main alteration components.

Some basic turbidite styles of the Middle Aldridge - predominance of medium bedded AE turbidites with none of the argillaceous tops or possible inter-turbidites material being very thick ≤ 20 cm - so Quartzite/Argillite = 85/15. Bedding at 85 - 90° to c.a. The quartzitic wackes to quartz wackes are generally fine-grained.

The biotitic (+ garnet + calcite) alteration of the quartzite bases is much more pervasive now. The argillites to wackes are usually pale grey with spotty (wispy) pyrite or pyrrhotite.

Still Middle Aldridge - more homogeneous section varying from quartzitic

[illegible]

Scad9

Colour Plot
& Disc



155.79 164.63

wacke to subwacke. Alteration and skoring by the bit make identification very difficult. Thin to medium bedded, some weakly laminated intervals as well. Bedding at 10° to c.a. Overall quite dark grey altered with biotite, white spotting (calcite and garnet) occasional, pyrite spotting and aggregates to 3%. Tr sphalerite.

164.63 172.25

Greyish, more altered chloritic (pyrite) interval of predominantly thin-bedded argillite. There are also thin to medium beds of quartzitic wacke within the interval. Quartzitic sections are brownish-grey, white spotted, 1-2% iron sulfide but not so biotitic. At 164.53, a 5 mm seam of pyrite-galena-sphalerite.

172.25 178.9

Predominantly thin bedded, biotitic, greenish to brownish subwacke units with intervening dark grey quartzitic wacke beds. Bedding at 75° to c.a. Low iron sulfide and occasional grain of sphalerite visible.

178.90 191.31

Medium to dark grey (more local) quartzitic wacke predominates. Medium to thick amalgamated beds. Subwacke inter-turbidites are oxidized and less than 20 cm thick. The quartzitic units are fine-grained, homogeneous units. Alteration not as intense even though mostly quartzite. Some 10-20 cm sections with disseminated sphalerite.

191.31 192.31

Mainly argillaceous interval - thin bedded, planar contacts at 85° to c.a.
Brownish-grey beds.

192.31 198.27

Variably grey quartzitic units dominant. Medium and dark grey alteration effects with spotted alteration (garnets + calcite +?) restricted to zones totalling 10-15% of the interval. Some calcite-rich seams to 20% calcite. 1-2% iron sulfide.

198.27 207.44

Homogenized zone of wacke to quartzitic wacke. Bedding is at 80° to c.a. Streaky pyrrhotite lams to blotches. An inter-turbidite zone. Still some alteration spotting. Only galena and sphalerite are in a pyrite seam of 3 mm at 201.95.

207.44 235.36

Typical Middle Aldridge - dominantly quartzitic with medium beds (a few thick ones) of fine-grained QcW to QW. The inter-turbidite grey wackes to argillites are thin bedded to laminated and up to 1 meter thick. Some lams

	Analysis	Claim
		T Brg.
		Collar Dip
		Elev.
		Length
		Hole No.
		Sheet

**Colour Plot
& Dips**



235.36 238.56

238.56 275.97

275.97 279.27

279.27 318.45

Less altered section of quartzitic wacke turbidites and inter-turbidite subwackes, the proportions of the two basic lithologies are almost equal. The units are lighter coloured with some garnet development in the subwackes.

[illegible]



Colour Plot & Dips

Some of the quartzites are medium-grained and lighter grey in color. Beds are thin to medium. The subwacke intervals are thin bedded to laminated. Oxidized fractures are again common. At 280.6 m, 10 cm of possible fault rubble. Broken core and poorer C.R. from 297.87 to 311.89 m. Bedding regular at 70-80° to c.a. The dark alteration with biotite + bronze mica + garnet still present - less obvious due to higher percentage argillaceous material and fracturing with alteration overprinting by chlorite and or micas. Chloritic zone with fractures containing quartz + sphalerite.

Primarily thin bedded or laminated subwackes which are grey to greenish in color. Bedding at 60-75° to c.a. Some minor disruption to some beds. An inter-turbidite interval.

Fine-grained, grey quartzitic wacke dominant. Medium beds with argillitop which are pale greenish-grey, often disrupted subwacke to argillite. Bedding 65° to 75° to c.a. Dark alteration of quartzitic component continues to bottom of hole. Some later silica-chlorite-calcite-pinky orange alteration with some sulfides associated near top of interval. Galena or sphalerite in 2 or 3 fractures and very weakly disseminated sphalerite.

D. Anderson

Survey Results: 259 m S86° W -49.5°
343.5m S88° W -52°

[illegible]

Scale

Colour Plot
& Dips

Drill Hole Record



Property	CANAM	District	Western	Hole No.	C-91-2
Commenced	August 11, 1991	Location	South Hawkins Creek	Tests at	91.5m, 185m, 319.20m
Completed	August 17, 1991	Core Size	NQ	Corr. Dip	-68°
Co-ordinates	UTM 5428340N 577780E			True Brg.	270°
Objective	To test a UTEM geophysical response.			% Recov.	97%
					Date August 16, 1991

Core Meters
From To

Description

0' - 68.59m	Overburden - Some of this interval was cored as broken, heterogeneous lithologies including gabbro boulders, Aldridge quartzite and a few argillite blocks, unconsolidated sand, clay, and some unlithified conglomerate.
68.59 - 101.37	Middle Aldridge: Medium-bedded AE or ACE turbidites often with disrupted/wispy argillaceous tops to beds, even some clasts. The argillites are quite biotitic. One quartzite 79.72 - 80.0 m is silicified with fine chlorite + orangey-pink alteration spotting to 5% with very fine pyrite + galena.(?) Common near bases of quartzitic beds are dendritic alteration zones - fine pyrite, biotite. Bedding at 80° to c.a. One brown alteration zone - a micaceous concretion.
	Around 91.5 m to 94 m - wispy, irregular clasts make up tops to turbidites. From 95 to 98.5 m, several of the quartzites are silicified, cleaner, pale greenish with chlorite spotting and fine iron sulfide spotting.
101.37 - 115.70 m	Very different lithologies and bedding styles - grey-brown, thin-bedded sequence which is fine grained, sometimes with couplet-style bedding, brown vaguely laminated wackes into thin light grey argillites. Some of the lighter beds are quite limey over 1 to 10 cm. thicknesses. 113.72 m to 115.70 m is moderately limey throughout - an argillaceous limestone. Bedding at 80 - 85° to c.a. Two pyrrhotite lams and some cross-cutting conductive pyrite and pyrrhotite. There are numerous 1 - 2 mm patchy po lams as well as disseminated po (2-3%) through the section. Bedding contacts planar and sharp.

Analysis

Claim Canam 11

T Brg. 270° Az

Collar Dip -68°

Elev. 1560 m

Length 19.21 m

Hole No. C-91-2 Sheet 1

Scale

Colour Plot & Dies



115.70	129.20 m	Middle Aldridge, medium bedded turbidites. 80 - 85% quartzitic with some alteration of the quartzites - either pale chloritic/silicification or some beds are quite dark, biotitic units with disseminated pyrrhotite. Dark quartzitic wacke similar to alteration of quartzitic rocks in C-91-1. No base metals seen. Disseminated iron sulfide to 2% in quartzitic rocks.
129.20	175.30 m	Mixed zone - alternating (interbedded) short intervals of dark grey-brown, thin-bedded wackes with vague laminations to lighter colored, often spotted (altered - chloritic) quartzitic wacke to medium bed thicknesses with several being weakly calcareous to very high in calcite. Some of the argillaceous or inter-turbidite units are disrupted with swirled textures \pm clasts. The quartzitic fraction becomes more dominant with depth with thicker beds and less finely laminated grey-brown wacke.
175.30	224.80m	Return to primarily thin-bedded, grey-brown sequence (as for 101.37 - 115.70) of wacke and subwacke. Couplet-style bedding of wacke/subwacke with the occasional quartzitic wacke bed included in the package. Bedding at 80°+ to c.a. The relatively coarser-grained beds are quite limey over intervals up to 40 cm. in thickness or some irregularly laminated zones are very limey (limestone over 5 to 20 cm). At the bases of the quartzitic wackes which can be limey or at the upper bed contacts of the brownish, finely laminated wackes are pyrrhotite lams (1 to 2 mm thick). There are a few pyrrhotite lams down to 218.30 meters.
224.80	256.09m	Turbidite dominated section - Light greenish-grey to grey, thick bedded quartzites. Often with soft sediment deformation or cross-bedded argillaceous tops, even a few rip-ups. Some beds are a bit darker - more biotitic. Occasional alteration patch - siliceous with pink ovoid mineral (garnet?). Bedding at 80° to 90° to c.a.
256.09	304.11m	Reverting to grey-brown, more argillaceous wackes and subwackes again with the brownish, vaguely laminated, siltier beds alternating with lighter grey-brown subwackes. Transitional to 261.28 m with some quartzites present. Broken and swirled textures in the argillites with patchy pyrrhotite. Zones of up to 0.5 m that are very limey. Planar contacts are outstanding. 2 pyrrhotite lenses to 3-4 mm thick with chalcopyrite associated occur near 275 m. There are a few, bedding parallel silica-chlorite-garnet rich alteration zones. Bedding is at 85° to c.a.
		Biotite spotting starts at about 297.4 m and increases in intensity towards the underlying gabbro.

**Colour Plot
& Diagram**



Resurgence of fine-grained quartzitic wacke with disrupted argillaceous intervals. Turbidites to 0.5 m bed thickness. Still Middle Aldridge sequence.

Moyie Intrusive - Upper contact of Moyie gabbro is fine crystalline and seems cross-cutting to bedding. Gabbro is fine crystalline for first 0.5 m then fine to medium crystalline for about 1.0 m then medium crystalline for 0.75 m then coarsely crystalline with green hornblende rods. There are a few quartz veins or segregations and one calcite-epidote vein.

D. Anderson

Note: Core stored at the Sullivan Mine, Kimberley, B.C.

Survey Results: 91.5m N89°W -68°
 185m 270° -68°
 319.20m N89°W -68°

[illegible]

Scale

Colour Plot
& Dips

Drill Hole Record



Property	CANAM	District	Western	Hole No.	C-91-3
Commenced	August 17, 1991	Location	Canam 11 - S. Hawkins Cr.	Tests at	75m, 206.10m
Completed	August 21, 1991	Core Size	NQ	Corr. Dip	-45°
Co-ordinates	UTM 5429550mN 576000mE	True Brg.	270° Az	Logged by	D. Anderson
Objective	To test a soil geochem anomaly.	% Recov.	97.5%	Date	September 1991

From	To	Description
------	----	-------------

0 - 15.24 meters

Overburden and broken rubble.

15.24 32.32m

Middle Aldridge - Interbedded fine-grained quartzitic wackes and abundant wacke inter-turbidite which is discolored and oxidized due to weathering down to about 26 m. The interval is about 60% wackes which are quite featureless. A few tops to quartzites have disrupted bedding/rip-ups over 5-10 cm. Bedding at 70° to c.a. Getting more quartzitic with depth.

From 15.24 - 18.45 m the quartzitic beds are altered looking - darker grey units with white flaky sericite, biotite, incipient garnet growth. Very minor fine disseminated sphalerite (galena). From about 26.5 down, no visible base metals. Some of the units look somewhat altered - bands or disseminated clots of garnets still present.

32.32 72.86m

Quartzitic turbidites dominate this interval. Medium to thick bedded quartzitic wackes to quartz wackes, fine-grained with 10-20% argillaceous tops. Some inter-turbidite laminates or featureless wackes.

36.89-38.26 m Altered zones - chloritized hornblende cores with silica, biotite, bronze mica, calcite and overgrowths of garnet - not much sulfide.

The quartzitic units are darker bluish-grey than normal - trace sphalerite and galena. Deeper in this sequence, no visible base metal spotting. Some incipient concretionary forms - around calcite cores. The subwacke/argillite beds are biotitic but only 3-5% - units appear light colored or bleached sometimes due to presence of sericite (?). By 68 m can see biotite starting to increase.

Analysis

Claim	Canam 11
T Brg.	270°
Collar Dip	-45°
Elev.	1560 m
Length	206.09 m
Hole No.	C-91-3
Sheet	1

Scale

Colour Plot & Dips



72.86	79.33	Argillaceous sequence - grey-brown, laminated to thin bedded sequence with planar contacts at 80° to c.a. Vaguely laminated (weak pyrrhotite) brownish wackes alternating with grey-brown subwacke to argillites. No carbonate noted in the interval.
79.33	87.65m	Turbidites dominant - quartzitic wackes, thin to medium bedded with increase in biotite but still not any darker or altered appearing than in last quartzitic sequence. Particularly the argillites are getting more heavily biotite spotted. No sulfides other than low percentage of pyrrhotite. Spotted by fine, white garnet development to 1%. Quartzites are lighter grey with chlorite spotting within 5 m of the gabbro below. Intense biotite in quartzite over last 0.5 meter.
87.65	129.82m	Moyie Sill - contact seems conformable to bedding. Fine crystalline to about 91 m then medium to coarse crystalline. Green and blackish hornblende, equicrystalline texture forming 60% + of the intrusive. Few quartz veins and or silica segregation zones with little or no sulfide. Fine-grained contact effects for last 2 m of sill.
129.82	150.61m	Thin to medium bedded quartzitic wacke turbidites. The argillite tops are pale greenish-grey and biotitic to about 138.75 m. The quartzites are moderate blue-grey, so somewhat darker than the norm. Garnet development is sporadic. Bedding is at 85° to c.a. Minor disseminated, fine sphalerite from about 147.4 to 150.6 meters.
150.61	153.35 m	Argillaceous section with some thin bedded to laminated intervals.
153.35	163.41m	Quartzitic turbidites again. Quite intense fracture zone with some local tectonic breccias. Cracked quartzites. Tight fractures, very little vein material. Small degree of oxidation on the fractures. Fractures and breccia probably in near vertical orientation.

[illegible]

Scale

Colour Plot
& Dips

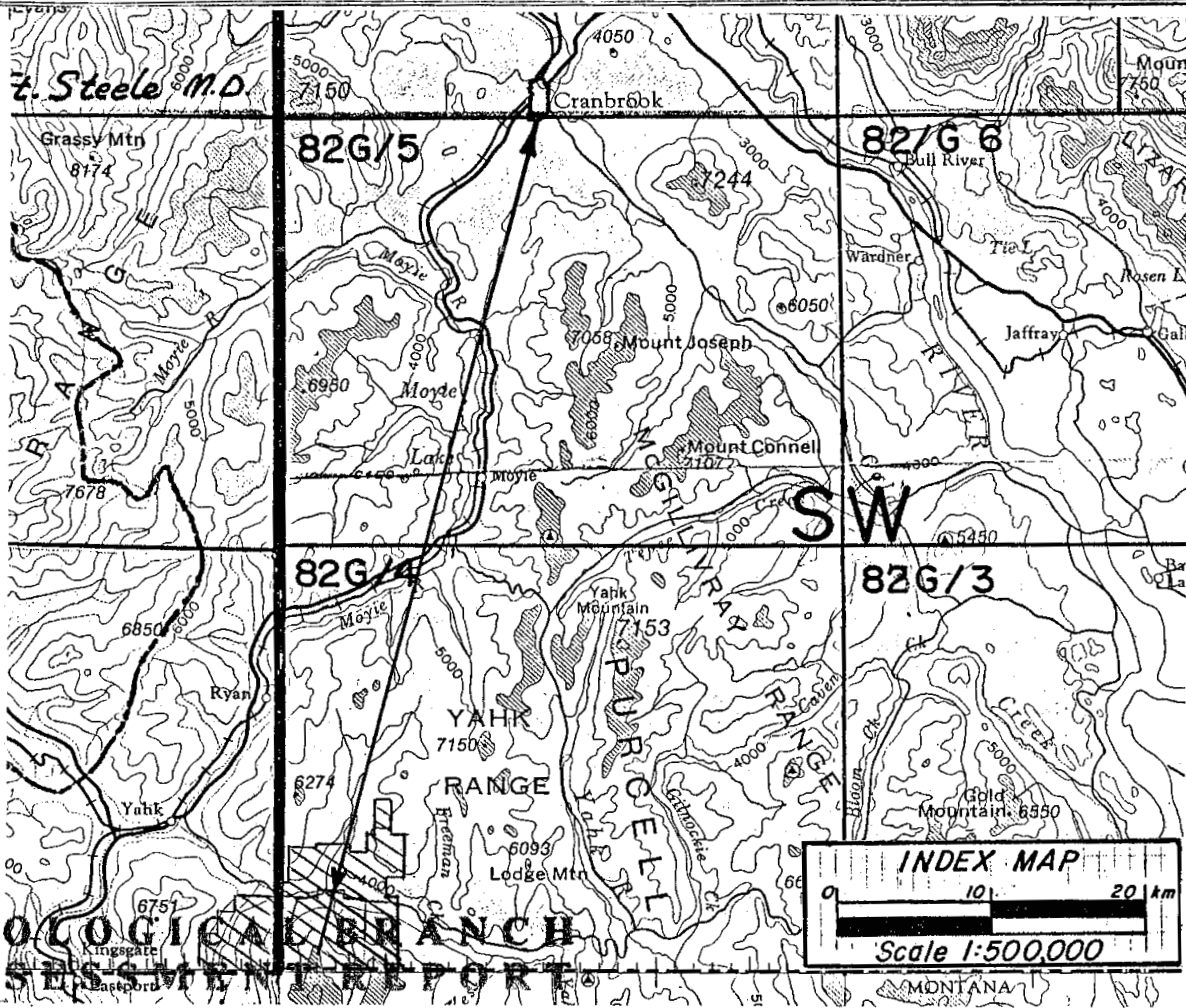
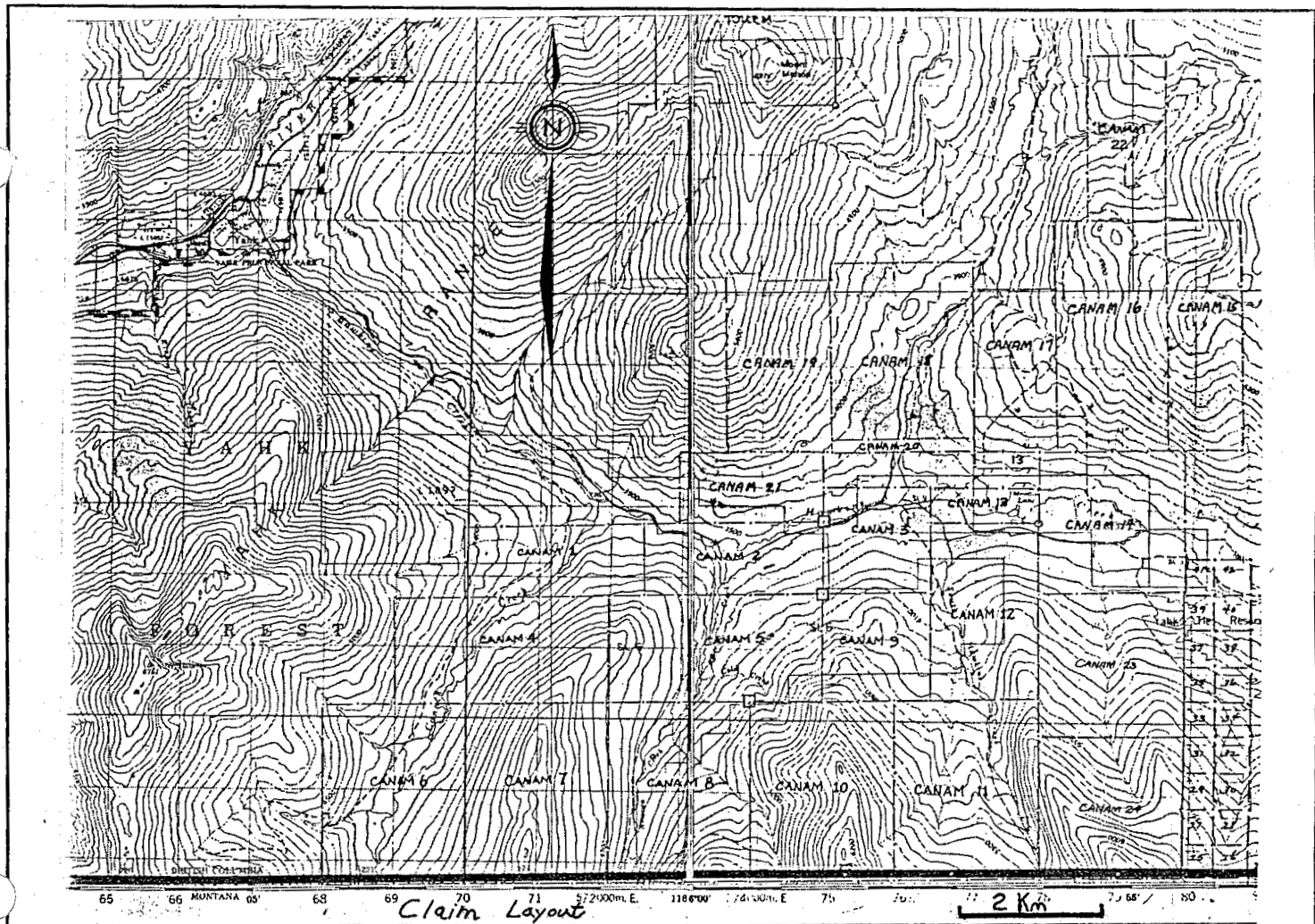


163.41	164.94 m	Green, altered mafic dyke - hornblende to chlorite with biotite and some calcite. Sheared Moyie intrusive probably. Calcite in veins or fractures. (occupies bottom of the above sheared section.)
164.94	172.86m	Dominantly quartzitic - turbidites which are medium to thick bedded. Moderately dark (altered) but bit scour makes difficult to discern. No obvious sulfides, even in some coarser quartzite beds.
172.86	176.10m	Argillaceous interval - thin bedded to laminated segment. Bedding at 80-85° to c.a.
176.10	190.85m	Quartzitic turbidite interval - medium to thick beds of quartzitic wacke which are moderately dark bluish-grey in appearance. The turbidite tops are often disturbed sediments with irregular, lenticular bedding. Sericite and garnet alteration locally. At 187.19, 5-7 cm quartz-chlorite vein with only very minor pyrite at 20° to c.a. Bedding is at 80° to c.a.
190.85	206.09m	Argillaceous sequence - thin to medium bedded, brownish-grey wackes predominate. Minor quartzitic component. Occasional small, floating clast. Three bedding parallel alteration zones approximately parallel to bedding with quartz-chlorite-garnet-biotite ± calcite. Scattered fine pink garnet developed within the beds. At 200.91 to EOH at 206.09 m is mostly thin bedded to laminated wackes with a few quartzitic wackes and disturbed sedimentation at bottom of hole. Still Middle Aldridge rocks.

D. Anderson

Survey Results: 75m N86°W -47°
206.10m N81°W -49°

[illegible]



GEOLOGICAL BRANCH
ASSESSMENT REPORT

21,786



Drawn by:		Traced by:	
Revised by	Date	Revised by	Date

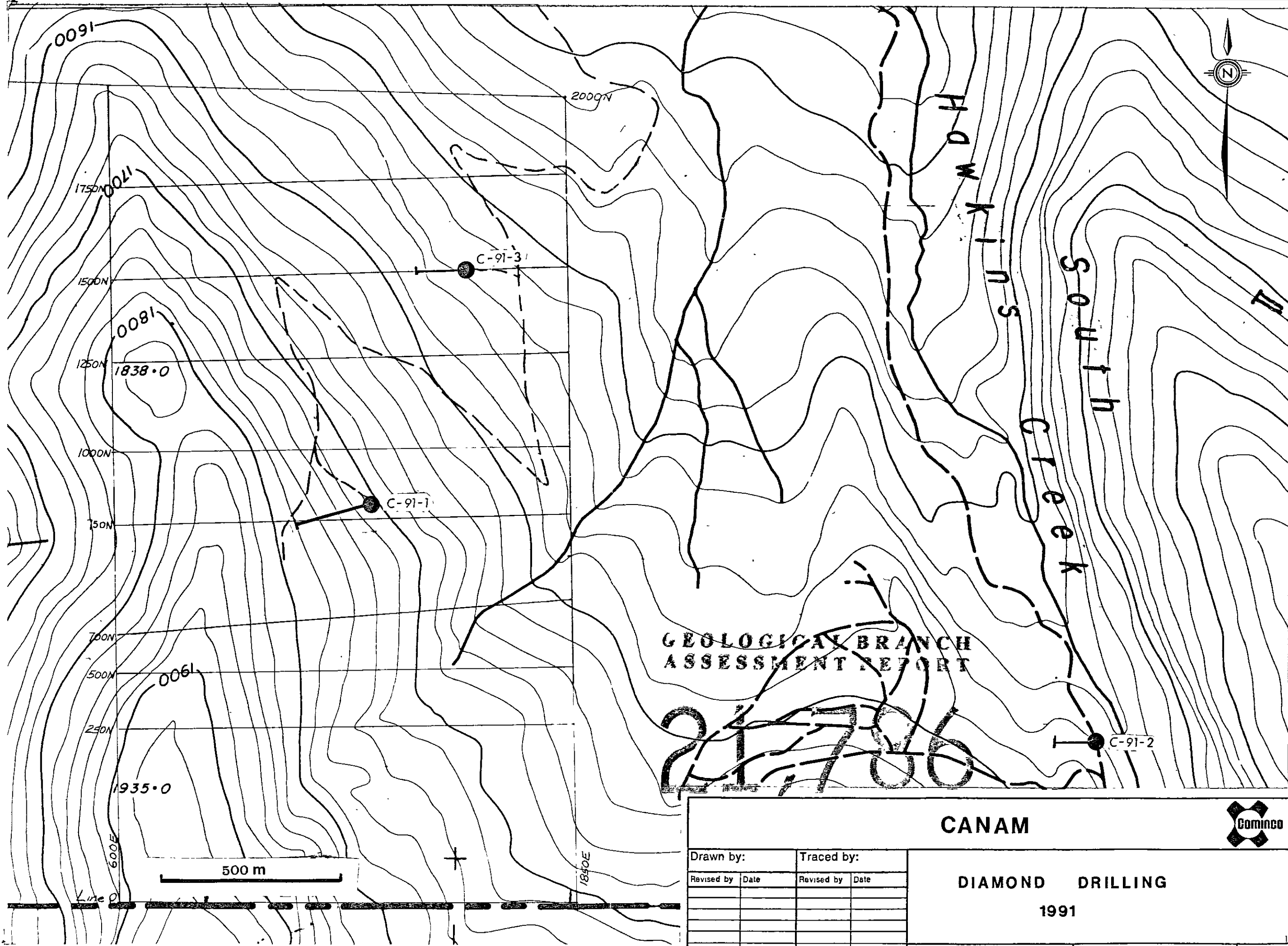
CANAM CLAIMS

LOCATION MAP

Scale: As shown

Date: Nov. 1990

Plate: 1



GEOLOGICAL BRANCH
ASSESSMENT REPORT

21,786

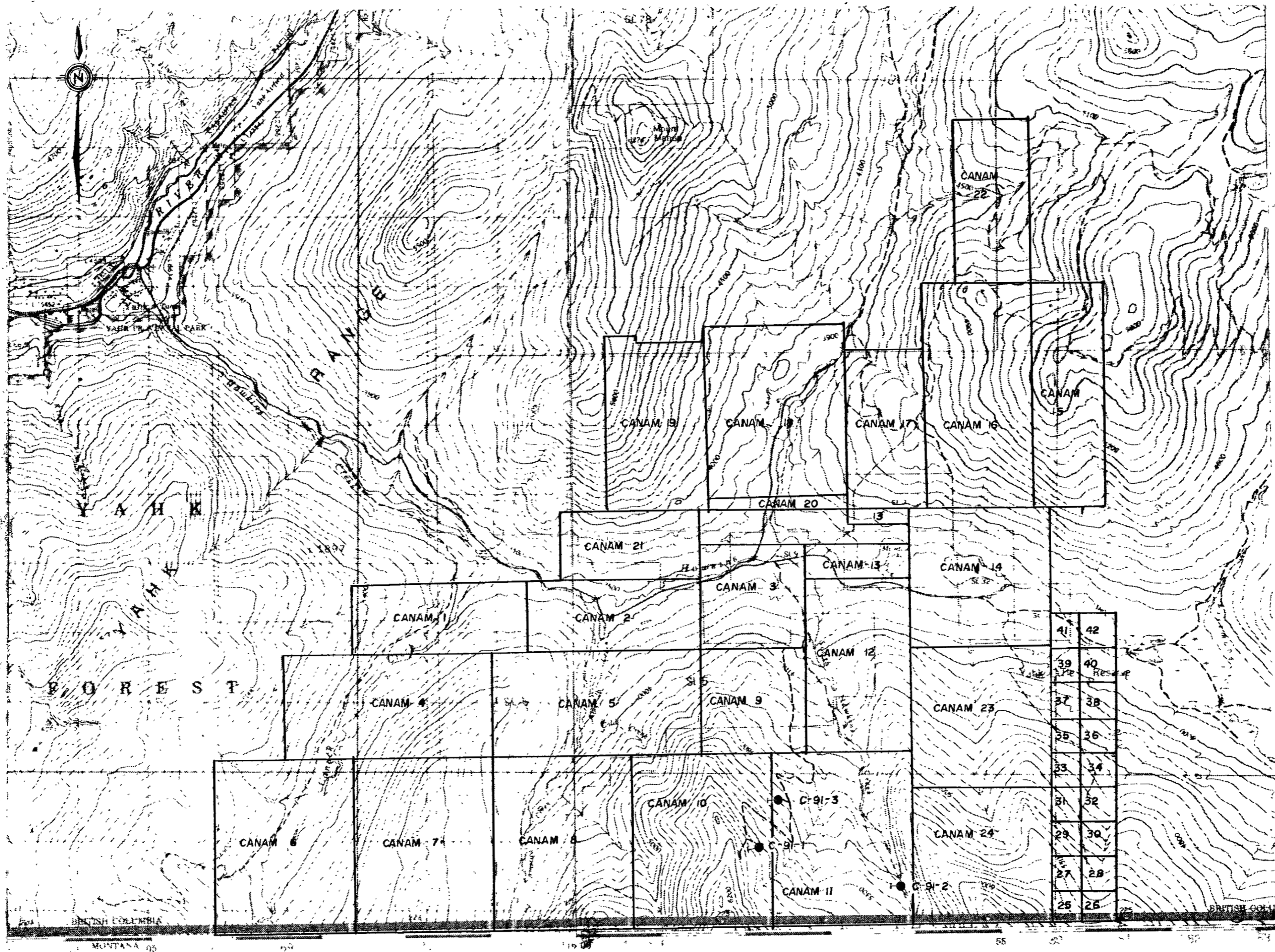
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Revised by	Date	Revised by	Date

DIAMOND DRILLING
1991


Scale: 1:10 000 Date: Oct. 91 Plate: 2



**GEOLOGICAL BRANCH
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2 Km
SCALE

CANAM					
Drawn by:		Traced by:		DIAMOND DRILLING 1991	
Revised by	Date	Revised by	Date		
Scale: 1:50 000				Date: Oct. 91	Plate: 2