

5003

82L/6E

DIAMOND DRILLING REPORT

COMPLYING WITH REGULATIONS
GOVERNING ASSESSMENT WORK
UNDER THE MINERAL ACT
PART I DIVISION B AND PART III

DRILLING CONTRACTOR

SIMON A. JUTRAS

BOX 1930

SALMON ARM, B.C.

DIAMOND DRILLING PERFORMED ON

VERNON HILLS,

VERNON MINING DIVISION.

Department of
Mines and Petroleum Resources

ASSESSMENT REPORT

NO. **5003** MAP.....

DRILLING REPORT

Page two:

Diamond drilling has been in progress since May 16th and shall continue until a minimum of \$ 20,000.00 diamond drilling is completed on Vernon Hill.

a) An itemized cost statement will be supplied by the drilling contractor. Our agreement attached will be at a flat rate of \$ 12.00 per foot including moving costs, transportation, accomedation of crew and everything else. In view that we have engaged the contractor at a rate it is not our busines what his transportation and labour costs are. We assume Part 1 Division B would be complied with if we as a company did our own diamond drilling.

b) Legible copies of drill core logs for all footage drilled and to be drilled will be forwarded under separate cover from the engineer consultant when the drilling project is complete. Our mining consultant has logged two holes and is due in June 19th to log the drilling todate. We submit our consultants invoice for services of spotting drill holes. Other invoices will follow as recording assessment work covered by our drilling program is presented to you.

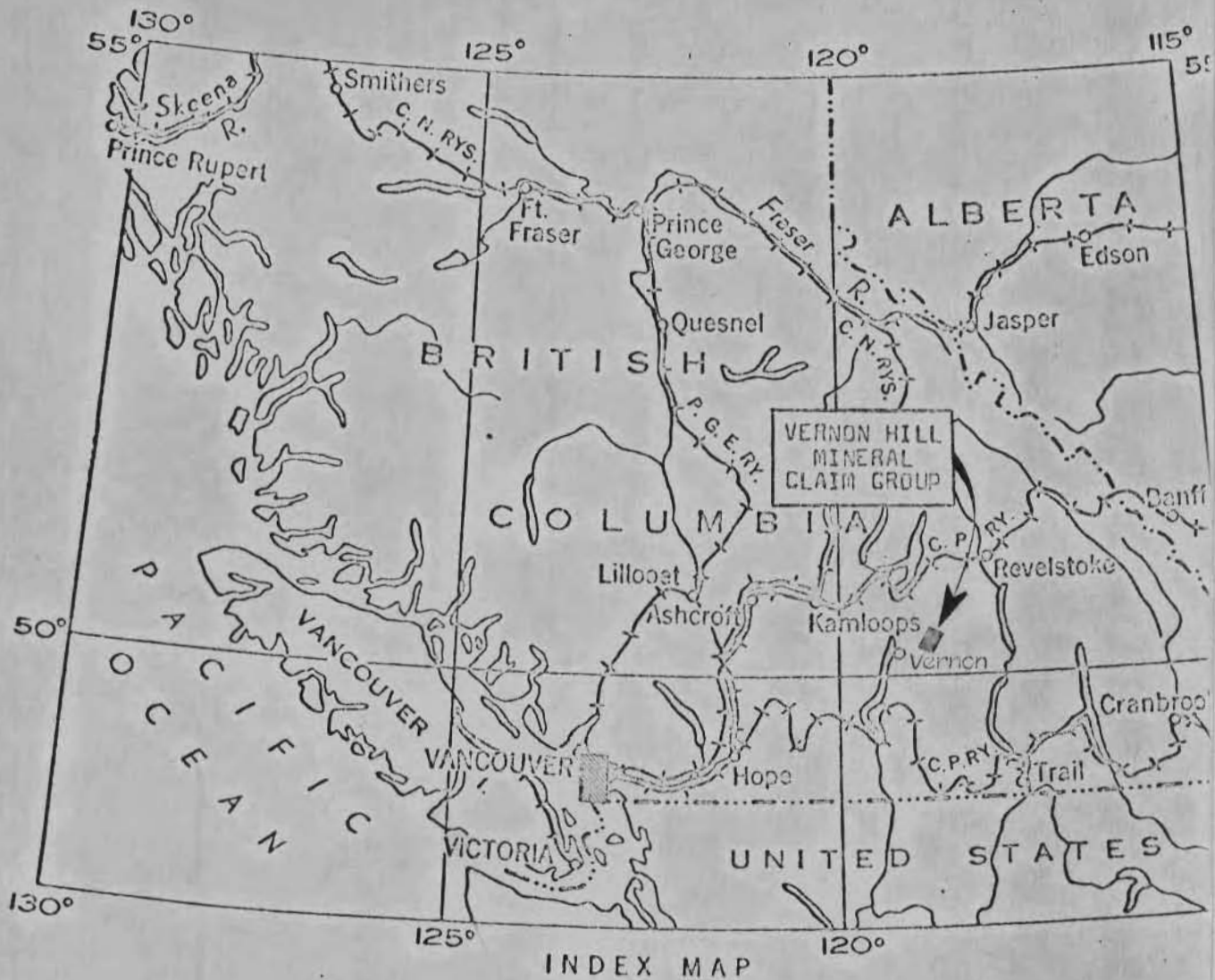
c) Surface plan scale 1200 feet to one inch showing location of the drill hole collars in relation to claim boundaries and surface features is provided. Index map is also provided.

d) Location drill holes #1, #2 and #3 showing inclination of holes, core diameter are provided.

e) Core storage for all holes are located at 3304 - 20th A Street, Vernon, B.C. No core has been sent to assayers yet.

King Grayham Menes Ltd (N.P.C.)
per: David King
President.

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. **5003** MAP **#1**



LOCATION

KING GRAYBARR MINES LTD. (NPL)
VERNON HILL MINERAL CLAIMS GROUP

VERNON MINING DIVISION
BRITISH COLUMBIA

ANGUS G. MACKENZIE
MINING CONSULTANTS LTD.



15003
M2

Department of
 Mines and Petroleum Resources
 ASSESSMENT REPORT
 NO. **5003** MAP **#3**

DDH 74-1

DDH 74-2

DDH 74-4
 (DRILLING)

DDH 74-3

VERNON HILL

BRITISH COLUMBIA
 DEPARTMENT OF LANDS AND FORESTRY
 SURVEYS & MAPPING BRANCH
 TOPOGRAPHIC DIVISION

Note: Base map from BC Forestry Survey.

Scale 1 inch = 1000 FEET

ANGUS G. MACKENZIE MINING CONSULTANTS LIMITED. CALGARY 2, ALBERTA.	
FOR KINGRAYBARR MINES LTD	
D.D.H. LAYOUT-1974	
Date: July 2, 1974	App'd: <i>AGM</i>
Rev Date:	Scale: 1" = 1000'

Group Copper #1

1 WATER 2 DRILL HOLE #2

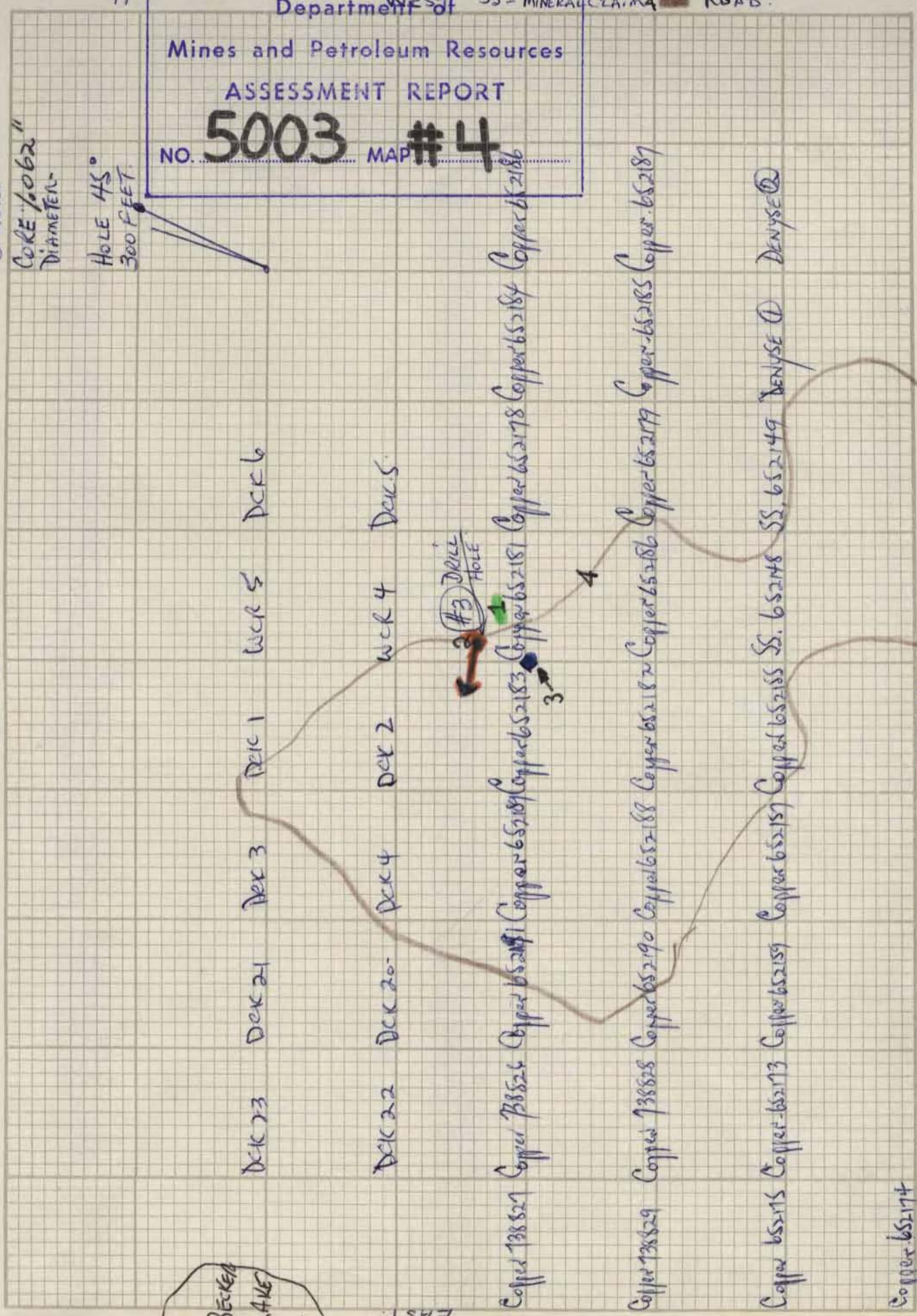
SILVER STREAK 3 CLAIM POSTS
SS = MINERAL CLAIM ROAD

Department of WEST

Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 5003 MAP #4

#3 HOLE
CORE 1.062"
DIAMETER
HOLE HS
300 FEET

SOUTH



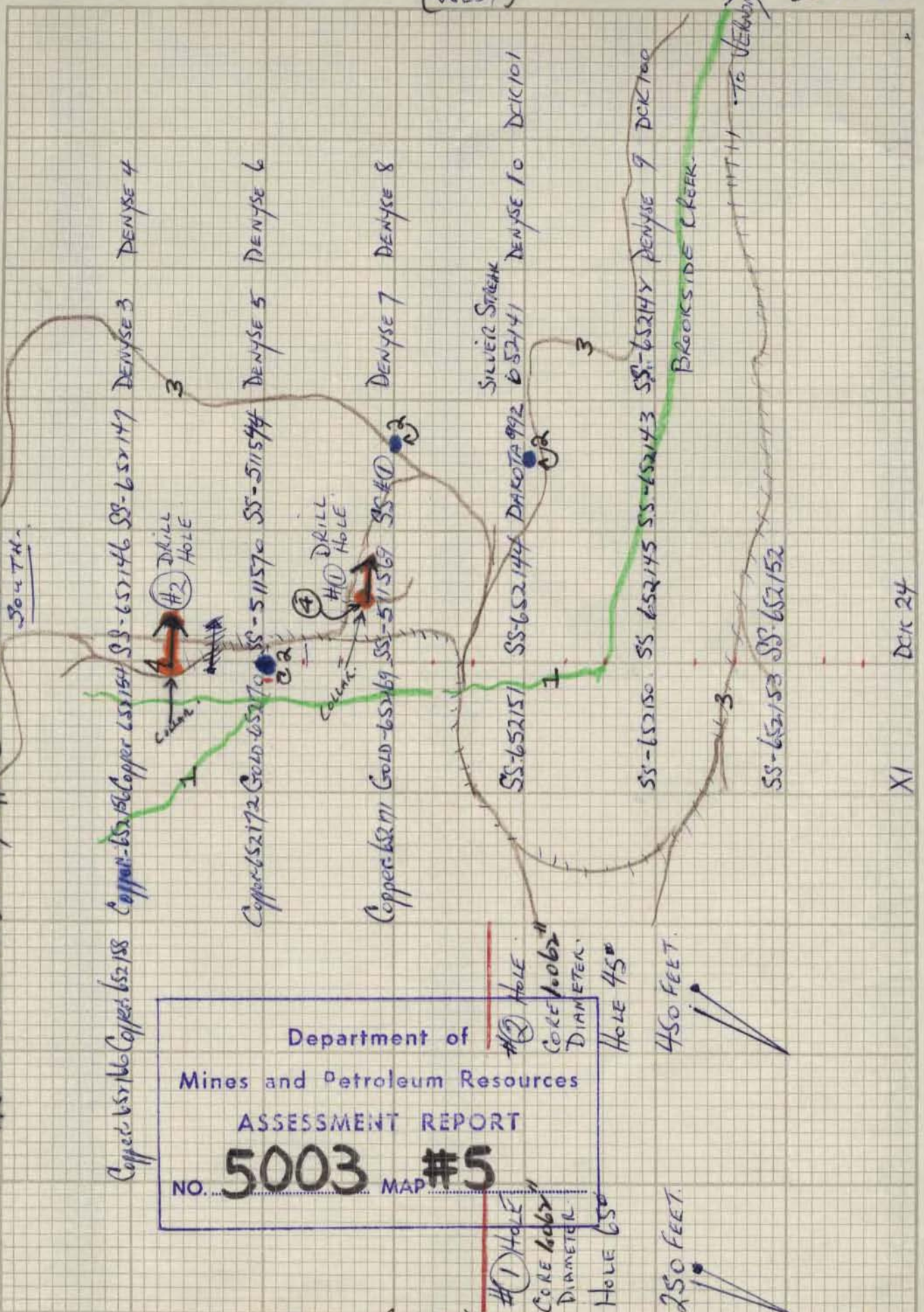
NORTH

ASSOINS SOUTH BOUNDARY Group-SILVER #1

4 → DRILL HOLE
 1 WATER
 2 CHAIN POST
 3 ROADS
 SS. = SILVER STREAK

Group. SILVER #1 (WEST)

ADJOINS NORTH BOUNDARY COPPER #1 (SOUTH SIDE) SOUTH



Department of
 Mines and Petroleum Resources
 ASSESSMENT REPORT
 NO. 5003 MAP #5

#1 HOLE
 CORE 650mm
 DIAMETER
 HOLE 650
 250 FEET

#2 HOLE
 CORE 450mm
 DIAMETER
 HOLE 450
 450 FEET

(EAST)

NORTH

XI DENYSE 24

DIAMOND DRILL RECORD

PROJECT NO: 74-712

SHEET 1 OF 4

HOLE NO: 74-1 PROPERTY: KING GRAYBARR MINES LTD.

ELEV. 3555' ASL

BEARING: 285° DIP: -65° DEVIATION: - CSG: 5.0' T.D: 250'

DRILL USED: BBS-1 CORE RECOVERY: 90.1% DATE: May 31, 1974

CONTRACTOR: APEX GEOLOGIST: A. G. MacKenzie, P. Eng.

DEPTH	CORE REC'D	DESCRIPTION
0.0' - 5.0'	1.5'	Broken, rusty porphyry
5.0' - 9.0'	2.3'	Broken core, highly silicified porphyry with quartz veins, some sparse pyrite and chalcopryite in thin veinlets. Fractures all weathered and gossany.
9.0' - 11.0'	1.4'	Fractured and broken porphyry with gash quartz veins. Scattered disseminated pyrite.
11.0' - 14.0'	2.3'	As above. Fractures at 60° to Core Axis (C.A.).
14.0' - 17.0'	1.0'	As above.
17.0' - 22.0'	5.0'	Highly silicified quartz feldspar prophyry with considerable disseminated pyrite and some chalcopryite (?) disseminated sulphides 19.0' to 20.0'. Massive 20.0' to 20.8', disseminated to 22.0'.
22.0' - 30.0'	8.0'	Mineralized porphyry, pyrite and chalcopryite, massive pyrite and some chalcopryite at 25.0' for 0.4'. Fractures at 45° to C.A. and mostly rusty.
30.0' - 38.0'	8.0'	Probably fault zone as core much broken at 35.0'. Fractures filled with 1/8" pyrite at 50° to C.A. Open slicked fracture at 45° to C.A. Porphyritic and disseminated pyrite.
38.0' - 43.0'	5.0'	Medium grey quartz, feldspar, porphyry at 39.5'. Box-work quartz veining with disseminated pyrite. Filled fractures (quartz) at 50° to C.A. 1/8" pyrite or fractures, very fine grained.



DIAMOND DRILL RECORD

PROJECT NO: 74-712

SHEET 2 OF 4

HOLE NO: 74-1 PROPERTY: KING GRAYBARR MINES LTD. /

BEARING: _____ DIP: _____ DEVIATION: _____ CSG: _____ T.D: _____

DRILL USED: _____ CORE RECOVERY: _____ DATE: _____

CONTRACTOR: _____ GEOLOGIST: _____

DEPTH	CORE RECD	DESCRIPTION
43.0' - 52.0'	9.0'	Sheared and mylonitized quartz porphyry. At 46.0' highly silicified with pyrite and chalcopyrite on filled fractures at 55° to C.A. and in quartz breccia at 46.5'. At 49.0' pyrite and chalcopyrite (?) locally semi-massive from 49.0' to 51.0' and in argillite
52.0' - 58.0'	5.3'	Argillite, medium to dark grey with blebs of pyrite at irregular intervals, local quartz veinlets on fractures at 50° to C.A.
58.0' - 62.0'	2.3'	Severely contorted argillite.
62.0' - 65.0'	2.3'	As above. Considerable pyrite at 63.0'.
65.0' - 67.0'	1.0'	Ground core - as above.
67.0' - 70.0'	1.0'	Broken, ground core, some quartz from 67.0' to 70.0'. Probable part of fault zone.
70.0' - 78.0'	4.6'	As above. Part of fault zone.
78.0' - 90.0'	2.0'	Dark grey argillite with blebs of pyrite on fractures at 79.0' and 80.0'
80.0' - 85.0'	5.0'	Fractured argillite healed with calcite stringers. Most fractures at 55° to C.A. and vertical, blebs of pyrite scattered throughout.



DIAMOND DRILL RECORD

PROJECT NO: 74-712

SHEET 3 OF 4

HOLE NO: 74-1 PROPERTY: KING GRAYBARR MINES LTD.

BEARING: _____ DIP: _____ DEVIATION: _____ CSG: _____ T.D: _____

DRILL USED: _____ CORE RECOVERY: _____ DATE: _____

CONTRACTOR: _____ GEOLOGIST: _____



DEPTH	CORE REC'D	DESCRIPTION
85.0' - 104.5'	14.4'	Dark grey to black argillite blebs of pyrite on fractures at 75° to C.A., local calcite stringers, considerably broken and locally multi-fractured.
104.5' - 107.0'	3.0'	Contorted dark grey argillite with calcite stringers and considerable pyrite at 106.0'.
107.0' - 117.0'	10.3'	Contorted and finer grained argillite with many blebs and stringers of calcite, more or less a limy argillite with fractures at 45° to C.A.
117.0' - 130.0'	11.5'	As above.
130.0' - 186.0'	55.3'	Broken, sheared black to medium grey argillite with scattered disseminated pyrite and local blebs, heavily silicified on all fractures, highly silicified at 147.5' to 149.5' with pyrite and chalcopryite and calcite stringers at 50° to C.A. and 70° to C.A.
186.0' - 209.0'	22.8'	Highly altered and contorted dark grey argillite with pyrite blebs and local disseminations, some pyrrhotite from 201.0' highly silicified with disseminated pyrite and pyrrhotite on fractures locally filled w/ very fine grained pyrite. Consider ably platy pyrrhotite on fracture faces.
209.0' - 222.0'	13.0'	Mottled grey argillite, thin quartz and carbonate stringers at 45° to C.A., locally brecciated.
222.0' - 224.0'	2.0'	Highly silicified, argillite (?), pyrite and pyrrhotite and possibly some chalcopryite in small blebs.
224.0' - 250.0'	26.0'	Grey to greenish grey argillite, mottled in part, locally highly latered, as at 246.0'. Scattered disseminated pyrite and pyrrhotite throughtout, limy veinlets of quartz and calcite at 60° to C.A.

END OF HOLE

DIAMOND DRILL RECORD

PROJECT NO: 74-712

SHEET 4 OF 4

HOLE NO: 74-1 PROPERTY: KING GRAYBARR MINES LTD.

BEARING: _____ DIP: _____ DEVIATION: _____ CSG: _____ T.D: _____

DRILL USED: _____ CORE RECOVERY: _____ DATE: _____

CONTRACTOR: _____ GEOLOGIST: _____

DEPTH	CORE REC'D	DESCRIPTION
NOTE:		Several sections of white core were removed for assay. At time submitting Logs only. Copper results in as follows: Hole #1 19.0' - 20.0' 0.04% Copper
		Hole #1 20.0' - 21.0' 0.20% Copper
		Hole #1 26.0' - 26.8' 0.27% Copper
		Hole #1 45.0' - 47.5' 0.17% Copper
		Hole #1 49.0' - 51.0' 0.16% Copper



ANGUS G. MACKENZIE MINING CONSULTANTS LTD.
SAMPLE RECORD

HOLE NO 74-1 LOCATION KING GRAYBARR MINES LTD. CODE NO 74-712
July 2, 1974

SAMPLE NO.	FEET DEPTH	LENGTH	ASSAY RESULTS			DESCRIPTION AND REMARKS
			Au	Ag	Cu%	
12085	19-20		<.003	0.19	0.04	} These are reasonably high Gold assays } } Copper and Silver are significant in } Samples 12086, 12087 and 12088
12086	20-21		.041	1.52	0.20	
12087	26-26.8		0.15	1.08	0.27	
12088	45-47.5		0.33	0.41	0.17	
12089	49-51		<.003	0.07	0.16	



DIAMOND DRILL RECORD

PROJECT NO: 74-712

SHEET 1 OF 3

HOLE NO: 74-2 PROPERTY: KING GRAYBARR MINES LTD.

BEARING: _____ DIP: -65° DEVIATION: _____ CSG: 15.0' T.D: 450.0'

DRILL USED: BBS-1 CORE RECOVERY: 96.0% DATE: June 2/74

CONTRACTOR: APEX GEOLOGIST: A. G. MacKenzie, P. Eng.

DEPTH	CORE REC'D	DESCRIPTION
0.0' - 15.0'	Nil	Casing
15.0' - 29.0'	13.5'	Highly altered quartzite and/or sandstone with local pyrite stringers at 60° to Core Axis (C.A.). Soft and crumbly core.
29.0' - 33.0'	3.0'	Faulted at 29.0'. Argillaceous sandstone faulted at 33.0'.
33.0' - 41.5'	7.0'	Much broken, argillite, locally silicified and some carbonate stringers. Faulted at 33.5' and 35.0', many soft, rottenstone areas.
41.5' - 52.0'	9.5'	As above.
52.0' - 55.0'	2.0'	Silicified argillite with pyrite and magnetic pyrrhotite, lost core or ground up at 53.0'.
55.0' - 58.0'	1.5'	Lost core at 55.0' to 57.0' - some quartz veinlets, otherwise as above.
58.0' - 60.0'	2.0'	Much broken but healed argillite with many fractures containing pyrite and pyrrhotite.
60.0' - 67.0'	7.0'	Highly silicified argillite with pyrite and pyrrhotite disseminated and on fractures. In part almost massive sulphides, magnetic pyrrhotite. This section sampled for assay.

DIAMOND DRILL RECORD

PROJECT NO: 74-712

SHEET 2 OF 3

HOLE NO: 74-2 PROPERTY: KING GRAYBARR MINES LTD.

BEARING: _____ DIP: _____ DEVIATION: _____ CSG: _____ T.D: _____

DRILL USED: _____ CORE RECOVERY: _____ DATE: _____

CONTRACTOR: _____ GEOLOGIST: _____

DEPTH	CORE REC'D	DESCRIPTION
67.0' - 77.0'	10.0'	Fairly highly silicified argillite, heavily fractured and broken with local carbonate stringers, pyrite and pyrrhotite disseminated and on fractures. Fault at 74.0', highly silicified at 75.0'.
77.0' - 83.5'	6.5'	Quartz hornblend schist, hornblen in thin laths in more or less herringbone structure, pyrite and pyrrhotite throughout at 82.0', 83.0' and 83.5'. Faulted and broken.
83.5' - 92.0'	6.5'	Highly silicified, probably an andesite dike or lava, local disseminated pyrite and pyrrhotie.
92.0' - 107.5'	15.5'	As above.
107.5' - 109.5'	2.0'	Highly silicified andesite (?) colour change to light brown. Highly fractured, some disseminated pyrite and pyrrhotite.
117.0' - 139.0'	22.0'	Argillite with many quartz veinlets, fractured and broken. No set direction or orientation of fractures. Pyrite and pyrrhotie thinly disseminated.
139.0' - 222.0'	83.0'	Highly silicified argillite, in part andesitic, minor pyrite and pyrrhotie throughout, faulting at 150.0'.
222.0' - 249.0'	27.0'	Quartz-feldspar porphyry to 237.5' with disseminated pyrite and pyrrhotite throughout. Fractures at 45° to C.A. and local thin veinlets of carbonate along C.A.
249.0' - 256.0'	7.0'	Major fault zone, crusted, broken, highly altered argillite with pyrite and pyrrhotite, scattered small veinlets of pyrite at 45° to C.A.

DIAMOND DRILL RECORD

PROJECT NO: 74-712

SHEET 3 OF 3

HOLE NO: 74-2 PROPERTY: KING GRAYBARR MINES LTD.

BEARING: _____ DIP: _____ DEVIATION: _____ CSG: _____ T.D: _____

DRILL USED: _____ CORE RECOVERY: _____ DATE: _____

CONTRACTOR: _____ GEOLOGIST: _____

DEPTH	CORE REC'D	DESCRIPTION
256.0' - 270.5'	14.5'	Silicified argillite with carbonate and quartz filled fractures, considerably altered and feldspar and mostly kaolinized.
270.5' - 309.0'	38.5'	As above - locally some pyrite and pyrrhotite in veinlets and fractures.
309.0' - 450.0'	138.5'	As above, small 0.8' barren quartz vein at 344.0', core much broken between 344.0' and 350.5', locally small veinlets of quartz. Fractured in haphazard pattern and all slickensided. Major shear or fault zone, pyrite and pyrrhotite plated on most fracture surfaces.
		END OR HOLE
NOTE:		Whole core sampled from 109.0' to 117.0' for assay. Copper assay only received to date. Hole #2 109.0' - 117.0' 0.04% Copper

ARCUS G MACKENZIE MINING CONSULTANTS LTD.
 SAMPLE RECORD

HOLE NO 74-2

LOCATION KING GRAYBARR MINES LTD.

CODE NO 74-712

July 2, 1974

SAMPLE NO.	FEET DEPTH	LENGTH	ASSAY RESULTS				DESCRIPTION AND REMARKS
			Au	Ag	Cu%		
12080	109-117		---	0.06	0.04		Composite on quartz vein section of interval 1.2 feet
12081	109-111		<.003	<0.01			
12082	111-113		<.003	<0.06			
12083	113-115		<.003	<0.01			
12084	115-117		<.003	<0.05			

DIAMOND DRILL RECORD

PROJECT NO: 74-712

SHEET 1 OF 2

HOLE NO: 74-3 PROPERTY: KING GRAYBARR MINES LTD.

ELEV 4250' ASL.

BEARING: 130° DIP: -45° DEVIATION: _____ CSG: 14.0' T.D: 391.0'

DRILL USED: BBS-1 CORE RECOVERY: 96.5% DATE: June 19, 1974

CONTRACTOR: APEX GEOLOGIST: Angus G. MacKenzie, P. Eng.

DEPTH	CORE REC'D	DESCRIPTION
0.0' - 14.0'	Nil	Casing, about 0.5' broken core.
14.0' - 15.0'	0.5'	Banded argillite, broken core.
15.0' - 25.0'	9.5'	Banded argillite locally schistose, some pyrite and pyrrhotite.
25.0' - 27.0'	1.0'	Broken core - fault (?), silicified argillite.
27.0' - 47.0'	15.2'	Argillite, with some disseminated pyrite, probably fault zone.
47.0' - 66.5'	19.5'	Quartz hornblend schist with pyrite and pyrrhotite, disseminated throughout.
66.5' - 86.0'	19.0'	As above. Pyrrhotite, fairly massive at 67.0' in small vein. Broken core 65.0' to 70.0'. At 85.0' more schistose with pyrite and pyrrhotite in veins and veinlets throughout.
86.0' - 209.5'	122.0'	As above. Some calcite stringers at 86.0'. Mostly schistose with pyrite and pyrrhotite in veinlets and fractures. Andesitic in part as at 100.0'. Locally fairly well mineralized with pyrite and pyrrhotite (magnetic). Quartz veining increases between 185.0' and 209.0', mostly on schistose planes.
209.5' - 220.0'	9.0'	Probably fault zone, quartz hornblend schist. Much ground up core.



DIAMOND DRILL RECORD

PROJECT NO: 74-712

SHEET 2 OF 2

HOLE NO: 74-3 PROPERTY: KING GRAYBARR MINES LTD.

BEARING: _____ DIP: _____ DEVIATION: _____ CSG: _____ T.D: _____

DRILL USED: _____ CORE RECOVERY: _____ DATE: _____

CONTRACTOR: _____ GEOLOGIST: _____

DEPTH	CORE REC'D	DESCRIPTION
220.0' - 306.5'	85.0'	Quartz biotite schist, somewhat lighter in colour and schistosity at 45° to 55° to C.A. Apparently schistosity flattening out at this depth.
306.5' - 342.0'	35.0'	Quartz biotite schist, as above, around 332.0' to 340.0'. Somewhat argillaceous and more highly altered, much broken core.
342.0' - 360.0'	17.5'	Andesite with carbonate on fractures and in stringers, incomplete replacement of carbonate by pyrite on many small hairline fractures, considerable mica, phlogopite.
360.0' - 379.5'	19.5'	As above, very highly silicified.
379.5' - 391.0'	11.5'	As above, highly silicified and porphyritic from 380.0' to 387.0' into pure schist at 391.0'.
		END OF HOLE



DIAMOND DRILL RECORD

PROJECT NO: 74-712

SHEET 1 OF 2

HOLE NO: 74-4 PROPERTY: KING GRAYBARR MINES LTD.

BEARING: 302° DIP: DEVIATION: CSG: 3.0' T.D: 309.0'

DRILL USED: BBS-1 CORE RECOVERY: DATE: June/74

CONTRACTOR: APEX Drilling GEOLOGIST: A. G. MacKenzie, P. Eng.

DEPTH	CORE REC'D	DESCRIPTION
0.0' - 21.0'	1.0'	Badly baroken argillite
21.0' - 24.0'	1.5'	Broken argillite
24.0' - 26.0'	0.5'	Broken argillite, ground core.
26.0' - 29.0'	1.5'	Broken and ground argillite.
29.0' - 31.0'	1.5'	Block to dark grey argillite. Much broken and ground core.
31.0' - 34.0'	1.5'	As above
34.0' - 44.0'	10.0'	Grey argillite, broken and fractured, locally appears 'schistose'.
44.0' - 95.0'	51.0'	Highly fractured dark grey argillite, faulted, locally some scattered disseminated pyrite, fractures at 50°, 65° and 75° to Core Axis.
95.0' - 197.0'	102.0'	Quartz sericite schist, much broken, local quartz veinlets and calcite blebs and stringers. Scattered disseminated pyrite and pyrrhotite.



A. G. Mackenzie

DIAMOND DRILL RECORD

PROJECT NO: 74-712

SHEET 1 OF 3


HOLE NO: 74-5 PROPERTY: KING GRAYBARR MINES LTD.

BEARING: 348° DIP: -45° DEVIATION: _____ CSG: None T.D: 300.0'

DRILL USED: BBS-1 CORE RECOVERY: _____ DATE: June/74

CONTRACTOR: APEX Drilling GEOLOGIST: A. G. MacKenzie, P. Eng.

DEPTH	CORE REC'D	DESCRIPTION
0.0' - 18.0'	13.0'	0.0' - 2.5' - Quartz argillite 2.5' - 3.0' - Rusty quartz, some sparse pyrite 3.0' - 18.0' - Medium grey to dark grey argillite, numerous veinlets of quartz
18.0' - 24.0'	5.5'	Medium grey to dark grey argillite with quartz and calcite veinlets
24.0' - 26.0'	2.0'	Quartz with minor pyrite
26.0' - 27.0'	1.0'	Grey argillite with quartz veinlets and calcite in blebs and veinlets
27.0' - 38.0'	11.0'	Partially mineralized quartz veins, pyrite, pyrrhotite and very sparse lead and zinc in a porphyritic zone from 37.5' to 38.0'. Rusty on all fracture faces.
38.0' - 48.0'	9.5'	Medium to brownish grey argillite, local quartz stringers and carbonate blebs. Pyrite on cross-fractures at 45° to core axis, some alteration around 48.0'.
48.0' - 69.0'	20.0'	Highly altered argillite, local blebs and stringers of pyrite with some sparse chalcopyrite (?). Fractured at right angles to core axis.
69.0' - 79.0'	10.0'	More highly latered argillite than above and possibly some ZnS. Very thinly disseminated. Heavily faulted at 74.0' to 76.0'. Sampled 71.0' to 73.5'.
69.0' - 87.6'	8.5'	As above, not quite as mottled, a little more disseminated pyrite with possible ZnS, Cpy, PbS as at around 85.0' on infillings. Fracture at 80° to core axis. Sample from 84.0' to 87.6'.



Angus G. MacKenzie

DIAMOND DRILL RECORD

PROJECT NO: 74-712

SHEET 2 OF 3

HOLE NO: 74-5 PROPERTY: KING GRAYBARR MINES LTD.

BEARING: _____ DIP: _____ DEVIATION: _____ CSG: _____ T.D: _____

DRILL USED: _____ CORE RECOVERY: _____ DATE: _____

CONTRACTOR: _____ GEOLOGIST: _____

DEPTH	CORE REC'D	DESCRIPTION
87.6' - 89.0'	1.0'	As above - not sampled
89.0' - 99.0'	10.0'	Highly altered quartz, sericite schist, mottled and fractured throughout.
99.0' - 111.0'	12.0'	As above, considerably more mottling.
111.0' - 128.0'	16.5'	As above, major fault at 118.0' to 120.0' along core axis. Local pyrite scattered throughout.
128.0' - 150.0'	22.0'	Black to very dark grey limy argillite with scattered pyrite. Major fault at 132.0' to 136.0', many minor fractures at random angles with core.
150.0' - 219.5'	69.0'	Black to dark grey argillite with calcite stringers and veinlets, most at 65° to core axis. Some mottled and sandy argillite and much fractured. Major fault from 172.0' to 174.0' and from 191.0' to 195.0'.
219.5' - 256.0'	36.0'	As above, mottled and chloritized at 248.0' to 251.0'. Most fractured at 50° to core axis.
256.0' - 264.0'	1.8'	Core all ground up grey argillite, jointed
264.0' - 267.0'	1.5'	Dark grey argillite, highly fractured.



Angus G. Mackenzie

DIAMOND DRILL RECORD

PROJECT NO: 74-712

SHEET 3 OF 3

HOLE NO: 74-5 PROPERTY: KING GRAYBARR MINES LTD.

BEARING: _____ DIP: _____ DEVIATION: _____ CSG: _____ T.D: _____

DRILL USED: _____ CORE RECOVERY: _____ DATE: _____

CONTRACTOR: _____ GEOLOGIST: _____

DEPTH	CORE REC'D	DESCRIPTION
267.0' - 300.0'	32.0'	dark grey argillite, a bit more siliceous than that above, especially around 291.0'. Carbonate stringers and veinlets, local pyrite. Fractures from 55° to 75° with Core Axis. Major fault at 291.0' and 296.0'
		END OF HOLE
		CORE IS STORED AT 2811 - 30 STREET, VERNON, BRITISH COLUMBIA.



Angus G. Mackenzie

ANGUS G. MacKENZIE MINING CONSULTANTS LTD.
 SAMPLE RECORD

HOLE NO. 74-5 LOCATION KING GRAYBARR MINES LTD. PROJECT NO. 74-712

SAMPLE NO.	DEPTH	LENGTH	ASSAY RESULTS				DESCRIPTION & RESULTS
			% Ag	% Cu	% Zn	% Pb	
11788A	27'-31'	4.0'	<0.01	<0.01	0.35	<0.01	Since this hole was drilled down the rake of the "high grade" exposure in the pit near the mill site, it is obvious that the mineralization exposed on surface does not continue in depth
11789A	37'-38'	1.0'	<0.01	<0.01	0.14	0.01	
11790A	46.5'-48.0'	1.5'	<0.01	<0.01	<0.01	0.04	
11791A	65'-67'	2.0'	<0.01	<0.01	0.02	0.01	
11792A	71-73.5'	1.5'	<0.01	<0.01	0.05	<0.01	
11793A	84-87.6'	2.4'	<0.01	<0.01	0.14	0.03	
11794A	90.5-96'	5.5'	<0.01	<0.01	<0.01	0.01	
11795A	100-103'	3.0'	<0.01	<0.01	<0.01	<0.01	
11796A	121-125'	4.0'	<0.01	<0.01	<0.01	<0.01	



COMMENTARY ON DIAMOND DRILL HOLES #4 AND #5 - VERNON HILL PROPERTY, KING GRAYBARR MINES LTD. (N.P.L.).

These two holes were drilled between June 15, 1974 and June 29, 1974. Hole #4 was laid out to test a geophysical anomaly in depth. The core recovered indicated nothing of value in the hole. The anomaly could have been caused by the pyrrhotite present and/or the severe faulting recorded.

Hole #5 was laid out to test the exposed surface and trenched mineralization in the vicinity of the milling installation. This hole was laid out to cut, at as low an angle as possible, along the rake of the mineralized quartz exposed, and in part, mined in this location. Barren quartz was cut for a good section of the hole and some scattered mineralization noted. The best looking sections of this mineralization were cut out for assay and the results were negative. See the sampling results and copy of assay certificate.

ANGUS G. MacKENZIE MINING CONSULTANTS LTD.



Angus G. MacKenzie, P. Eng., MCIM



Calgary, Alberta.

September 9, 1974.



CHEMEX LABS LTD.

4638 - 11 ST. N.E.
CALGARY, ALBERTA
CANADA
TELEPHONE: 276-9627
AREA CODE: 403

CHEMISTS GEOCHEMISTS ANALYSTS ASSAYERS

CERTIFICATE NO. 26-02-01

TO: *Angus G. Maclean's Mining Consultants Ltd.*
Suite 632 - 950 - 6 Ave. S.W.
Calgary, Alberta T2P 0S2

INVOICE NO. 0200

DATE RECEIVED 10/19/74

DATE ANALYSED July 2/74

ATTN:

SAMPLE NO.:	CO ₂	Fe	SiO ₂ /Lr
12080	0.01	0.05	
12081		<0.01	<0.003
12082		0.05	<0.003
12083		<0.01	<0.003
12084		0.05	<0.003
12085	0.04	0.19	<0.003
12086	0.20	1.52	0.041
12087	0.27	1.08	0.015
12088	0.17	0.41	0.033
12089	0.16	0.07	<0.003



MEMBER
CANADIAN TESTING
ASSOCIATION

Certified by *[Signature]*

DECLARATION OF QUALIFICATIONS

OF

ANGUS G. MacKENZIE, P. Eng., MCIM

1. I, Angus G. MacKenzie, hereby certify that I am a Consulting Mining Engineer-Mining Geologist. I am a graduate (B.E.) in Mining and Metallurgy of Nova Scotia Technical College, Halifax, Nova Scotia and I have taken post-graduate economic geology at Dalhousie University.
2. I have spent the past thirty years in the Mineral Industries as a Mining Engineer and/or Mining Geologist and have maintained responsible positions in these fields at mining properties in Newfoundland, Nova Scotia, Quebec, Ontario, Manitoba, Saskatchewan, Alberta, British Columbia, the Yukon and Northwest Territories. I have also had considerable experience in the United States, Mexico and Southeast Asia.
3. I am a Registered Professional Engineer in the Provinces of Alberta and Manitoba and the Yukon Territory and am licensed to practice in Saskatchewan and British Columbia. I have been registered in Nova Scotia, Quebec and in the State of Colorado, United States.
4. I have no personal interest, directly or indirectly, in the property herein reported on, nor in the securities of King Graybarr Mines Ltd. (N.P.L.) or any of its associated companies, nor do I expect to receive any such interest.



ANGUS G. MacKENZIE MINING CONSULTANTS LTD.

5. These logs are the result of five days of field work, laying out and supervising the drilling program and the logging of the core by Angus G. MacKenzie Mining Consultants Ltd.
6. I have done this work at the request of Mr. David King, President of King Graybarr Mines Ltd. (N.P.L.) of Vernon, British Columbia.



A circular professional seal for Angus G. MacKenzie, P. Eng. The seal contains the text "PROFESSIONAL ENGINEER" around the top and "BRITISH COLUMBIA" around the bottom. The name "ANGUS G. MacKENZIE" is written across the center of the seal. A handwritten signature is written over the seal.

Angus G. MacKenzie, P. Eng. MCIM
Consulting Mining Engineer-Mining Geologist

Calgary, Alberta.

July 3, 1974.

ANGUS G. MacKENZIE MINING CONSULTANTS LTD.

MINERAL ACT

FORM I



NOTICE TO GROUP

Rect No. _____
VERNON
MINING DIVISION

Mining Division VERNON Location VERNON HILL

Name of group SILVER #1

We, the undersigned owners* of the following adjoining mineral claims, desire to group them according to the provisions of the Mineral Act:—

NAME OF CLAIM	Record No. or Lot No.	SIGNATURE OF OWNER*	Free Miner's Certificate No.
<i>August</i> Dakota 992	7588	<i>King/Keenan/Minerals</i>	110637
<i>January</i> GOLD 652169	8765 ✓	<i>J.N.H.</i>	
<i>✓</i> 652170	8766 ✓	<i>Jim Davidson King</i>	
<i>May 28</i> SILVER STREAK #1	8726 ✓		
<i>June</i> 511544	8749 ✓		
652147	8750 ✓		
652146	8752 ✓		
511570	8754 ✓		
511569	8755 ✓		
652141	8756 ✓		
652142	8757 ✓		
143	8758 ✓		
144	8759 ✓		
145	8760 ✓		
150	8761 ✓		
151	8762 ✓		
152	8763 ✓		
153	8764 ✓		
<i>Copper</i> 652171	8767 ✓		
172	8768 ✓		
652154	8815 ✓		
156	8817 ✓		
158	8819 ✓		
160	8821 ✓		
<i>Denver</i> #3	9160		
4	9165		
5	9166		
6	9167		
7	9168		
8	9169		
9	9170		
10	9171		
<i>January</i> DCK FR 5	127166 ✓		
<i>January</i> X1	10484 ✓		
<i>March</i> DCK FR 3	12500E ✓		
<i>January</i> DCK - 100	11980H ✓		
<i>January</i> 101	11981H ✓		
<i>October</i> DCK 24	11751A ✓		

Submitted to you for issuance of certificate of work on strength of Diamond Drill. Foreman assessment BALANCE CLAIMS TO BE SUBMITTED FOR ASSESSMENT WORK ALREADY COMPLETED WHEN RENTAL IS DUE

Aug 10

Aug 10

* May be signed by agent on behalf of owner.

32100E



MINERAL ACT

FORM I

MINING RECORDER
RECORDED

JUN 4 1974

NOTICE TO GROUP

Rect No. _____

Mining Division VERNON Location VERNON **VERNON MINING DIVISION**

Name of group Copper #1

We, the undersigned owners* of the following adjoining mineral claims, desire to group them according to the provisions of the Mineral Act:—

Assessment Due	NAME OF CLAIM	Record No. or Lot No.	SIGNATURE OF OWNER*	Free Miner's Certificate No.
Aug 10	Denzel 1	9162	K. W. G. GRAYBARR	110637
Aug 10	2	9163	MINES LTD N.A.	
June 2	SILVER STREAK 652149	8751	<i>[Signature]</i>	
2	SILVER STREAK 652148	8753	<i>[Signature]</i>	
June 8	Copper - 652155	8816	✓	
✓	Copper 652157	8818	✓	
✓	Copper 652159	8820	✓	
✓	Copper 652173	8822	✓	
✓	Copper 652174	8823	✓	
✓	Copper 652175	8824	✓	
✓	Copper 652178	8827	✓	
✓	Copper 652179	8828	✓	
✓	Copper 652180	8829	✓	
✓	Copper 652181	8830	✓	
✓	Copper 652182	8831	✓	
✓	Copper 652183	8832	✓	
✓	Copper 652184	8833	✓	
June 8	Copper 652185	8834	✓	
June 28	Copper 652186	8953	June 28	
28	Copper 652189	8954	June 28	
28	Copper 652190	8955	June 28	
28	Copper 652191	8956	June 28	
July 7	Copper 738826	9008	July 7	
7	Copper 738827	9009	July 7	
7	Copper 738828	9010	July 7	
7	Copper 738829	9011	July 7	
June 8	Copper 652186	8835	✓	
8	Copper 652187	8836	✓	
Oct 21	W.C.K. 4	11778 N	Oct 21	
11	W.C.K. 5	11680 N	Oct 11	
11	D.C.K. 1	11681 N		
11	D.C.K. 2	11682 N		
11	D.C.K. 3	11683 N		
11	D.C.K. 4	11684 N	Oct 11	
11	D.C.K. 5	11685 N		
11	D.C.K. 6	11686 N		
21	D.C.K. 20	11774 N		
21	D.C.K. 21	11775 N		
21	D.C.K. 22	11776 N	Oct 21	
21	D.C.K. 23	11777 N		

Submitted to you for issuance of certificate of work on strength of Diamond Drill core assessment.

BALANCE OF CLAIMS TO BE SUBMITTED WHEN RENTAL IS DUE.

* May be signed by agent on behalf of owner.



2811 - 30th ST.
P.O. BOX 904
VERNON, B.C.
TELEPHONE 542-7722
AREA CODE 604
CABLE GRAYBARR

THIS AGREEMENT MADE THIS 22 DAY OF May 1974

BETWEEN: KING GRAYBARR MINES LTD. (N.P.L.)
BOX 904
VERNON, BRITISH COLUMBIA
(Hereinafter called the COMPANY)

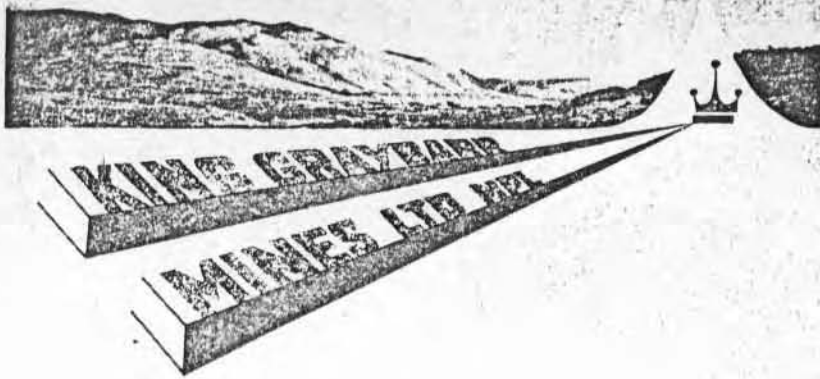
AND: Mr. Simon A. Jutras
Box 1930
Salmon Arm, B. C.

(Hereinafter called the CONTRACTOR)

WHEREAS the company is desirous of engaging the contractor to drill a minimum of 1,000 feet (1,000) of Surface Diamond Drilling on their property located approx. 4 miles east of Vernon, B. C. known as the Anne, DCK, Gold, Dakota, Silver Streak, Copper group of claims.

ON THIS INDENTURE WITNESSETH THAT IN CONSIDERATION OF THE MUTUAL COVENANTS AND AGREEMENTS HERINAFTER SET FORTH, THE PARTIES HERETO COVENANT AND AGREE AS FOLLOWS:

1. The Contractor, under the direction and to the satisfaction of a representative of the Company, shall drill as such drill site selected by the Company's representative on the claims held by the Company, subject to the terms and conditions, and rates and charges hereinafter set forth.
2. The Contractor shall supply and use all necessary drills and skilled men to operate such drill whenever practical, and shall supply all other supplies, such as industrial diamonds, fuel, bits, equipment and other supplies, and agrees that all labour replacement and other operative expenses except as hereinafter provided, shall be borne and be paid by the Contractor.
3. The Contractor covenants and agrees as follows:
 - a) That the Drill Crew will exercise every care to recover as high a percentage of the core as the nature of the ground will permit, and shall deliver all such core at the drill site to such person or persons ~~shall deliver~~ as designated by the Company for such purpose.
 - b) No records or information whatsoever relating to the drilling covered by this agreement, shall be given or divulged to any other party or persons without the consent in writing of the Company.
 - c) The Company, through its designated representatives or engineers, shall select all drill sites and shall determine the depth, location, and angle of such drilling.



2811 - 30th ST.
P.O. BOX 904
VERNON, B.C.
TELEPHONE 542-7722
AREA CODE 604
CABLE GRAYBARR

Page Two:

d) To advise the Company whenever requested by the Company or its representatives as to the progress of the work, the condition of the vein or veins and furnish all other particulars that may be reasonable and requested by the Company or its representatives.

4. All holes shall be drilled with aAQ or A Q corebarrel.
The rates of drilling to be:

1,000 feet @ Twelve dollars per foot

5. The Contractor agrees to set Casing to a depth of 30 (thirty) feet, at ~~no~~ cost to the Company, *AT FOOTAGE RATE*

a) For setting casing to a greater depth than 30 feet of casing, or the necessity of using a larger size of casing, the Company shall pay \$12.50 per foot, over thirty feet.

b) Any casing left in drill holes, whether requested by the Company, or whether irrecoverable, the Company agrees to reimburse the Contractor for the cost of the casing, the casing shoe, or casing bit. (whichever is used).

c) In drilling footage or for casing, if at any time, in the opinion of the Contractor, the hole should be abandoned, and the Company wishes to continue, then the Contractor shall continue, but all risks shall be borne by the Company, at field costs, plus 10%.

6. For cementing drill holes, the company shall pay the cost of cementing, plus 10%. The term "cost" shall mean the cost of cement, and one crew as outlined above and fuel expended on such operations.

7. For drilling out cement, the Company shall pay the cost of drilling out, plus 10%. The terms cost shall mean the cost of one crew as outlined above, fuel, and diamond bits expended in such drilling operations.

8. Water- In the event that the distance from the drill site to an abundant source of water exceeds two thousand feet (2,000) feet distance by hose line, or three hundred (300) feet elevation, the company agrees that it will pay the cost, plus 10% of supplying water to the drill.

9. Moves.- a) The Contractor agrees to move all equipment to the Companies property at Vernon Hill and back to at no cost to the Company, provided such move can be made easily with a four-wheel drive vehicle.

b) Moving on the property, whereas the hole is 200 feet or deeper, the first four crew hours will be free of charge to the Company. Then the rate is \$ 14.00 per hour. Price per move will not exceed \$50.00.

c) The necessity to use a Cat for Snow Plowing or moves on the property will be charged to the company at cost.

10. Camp.-a) The Contractor agrees to supply and set up camp.

b) The Contractor also agrees to board the drill crew at the rate of \$ 4.50 per man per day. It is understood that the Company has no liability in this regard.



2811 - 30th ST.
P.O. BOX 904
VERNON, B.C.
TELEPHONE 542-7722
AREA CODE 604
CABLE GRAYBARR

Page Three:

11) General

The Contractor covenants that it will be responsible for, and will promptly pay, all dues and assessments payable under any "Workmans Compensation Act", or other similar act, whether Provincial or Federal, in respect of his employees, and will indemnify and save harmless, the Company from and against any and all claims and demands whatsoever arising at, or by way of, any injuries sustained by any employee or workman of the Contractor, excluding however, claims arising out of any negligent act or omission of the Company, its servants, or agents.

12) The measurement of all holes shall be from the collar of the holes, provided that such collar is not more than one (1) vertical foot above the ground level.

13) It is agreed that the Contractor shall provide coreboxes at cost to the Company.

14) If it should become necessary to use drilling mud or Chemical Grout, the Company agrees to assume all extra costs for such.

15) The Company reserves and shall have the right to cancel or terminate this Contract at any time after 1,000 (One Thousand) feet of drilling has been completed.

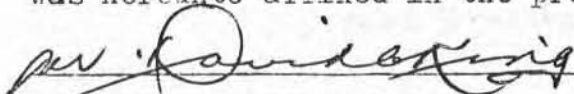
16) The Contractor covenants and agrees that he will have the crew and equipment on the jobsite, ready to commence work on or before the 5th day of May, 1974.

17) The Company, upon execution hereof, will advance to the Contractor, the sum of \$ 100.00 (One Hundred) Dollars on signing of this agreement, which shall be deducted and credited and to the Company on the Final Invoice.

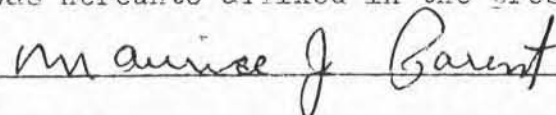
THIS AGREEMENT SHALL EXTEND TO THE BENEFIT FOR, AND BE BINDING UPON THE PARTIES HERETO, THEIR RESPECTIVE HEIRS, EXECUTORS, SUCCESSORS, ADMINISTRATORS, AND ASSIGNS.

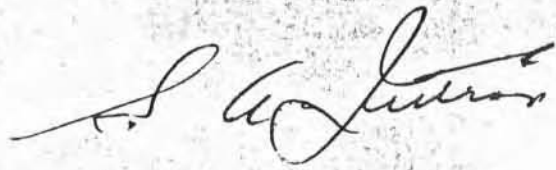
IN WITNESS WHEREOF the COMPANY has caused its corporate seal to be affixed in the presence of its proper officers, and the CONTRACTOR has caused its signature to be affixed in the presence of its proper officers, on the day and in the year first above written.

THE CORPORATE SEAL of the COMPANY
was hereunto affixed in the presence of :



THE CONTRACTORS SIGNATURE
was hereunto affixed in the presence of :





June 26.

1974

M. KING GRAYBARR MINES LTD (NPL)

Box 905 VERNON, BC.

In account with Simon A. JUTRAS, box 143.

SALMON ARM, BC

Terms As ARRANGED.

			REPAIRS.			\$ 427 14
			MISC DRILLING SUPPLIES, SERVICES, FREIGHT.			4952 35
			FOOD ACCOMMODATION:			632 50
			FUEL.			531 99
			TRANSPORTATION 4 wheel Drive Pickup Ford. (4712 Miles @ 20¢)			958. 40
			4x4 Pickup Dodge (New. Vernon job)			270 00.
May 15 - June 28	Simon JUTRAS	Supervisor	DAYS	45 @	100. ⁰⁰	4500 00
May 26 to June 28	HARVEY ALLEN	DRILLER		33 @	85. ⁰⁰	2805 00
May 27-28-29	JOHN TUPPEN	DRILLER		3	85. ⁰⁰	255 00
JUNE 6-7-8	GEORGE YARAMA	DRILLER.		3	85. ⁰⁰	255 00.
May 30 - June 12	Dennis Dadds.	HELPER.		14	55. ⁰⁰	770 00
JUNE 15 - June 28	Craig Phane.			13	55. ⁰⁰	715 00
June 13 - June 15	Cathal Labarre.			3.	55. ⁰⁰	165 00
			Basic on JOB cost - ADMINISTRATION - DEPRECIATION EMPLOYEE BENEFITS			3,162 67
			TOTAL			\$ 20,460 00.

JUNE 26

1974

M. KING GRAYBARR MINES LTD (NPL)

Box 904 VERNON, BC.

In account with Simon A. JUTRAS, Box 1930,
SALMON ARM, BC.

Terms AS ARRANGED.

		H1 HOLE	250'	@	\$ 12.00	per foot.			\$ 3000.00
		#2 HOLE	450'	@	12.00	v/v			5400.00
		#3 HOLE	391'	@	v	v v			4692.00
		#4 HOLE	309'	@	v	v v			3708.00
		#5 HOLE	300'	@	v	v v			3600.00
			1700'						20,400.00



INVOICE

CHEMEX LABS LTD. 4638 - 11th STREET N.E., CALGARY, ALBERTA T2E 2W7 TEL. (403) 276-9627

Client Name: _____

Client Address: _____

Client Phone: _____

Client City: _____

DATE: 08/03/1971

INVOICE NO. 1030

CERTIFICATE NO. 00-02-01

ATTN: _____

ITEM	DESCRIPTION		SUB-TOTAL	TOTAL
5	Gold assay for Cu	\$4.00	\$24.00	
1	Gold assay for g	4.00	4.00	
9	Gold Assay for Au & Ag	6.50	<u>58.50</u>	
				<u>\$86.50</u>
	Approved: <u>[Signature]</u>			

TERMS—NET 30 DAYS

King Graybarr Mines Ltd., N.P.L.,P. O. Box 904,VERNON, British Columbia.

IN ACCOUNT WITH

Angus G. MacKenzie

MINING CONSULTANTS LTD.

632, 550 - 6TH AVENUE S.W.,
CALGARY, ALBERTA
T2P 0S2Project No. 74-712Date May 17, 1974

Professional Fee - Angus G. MacKenzie, P. Eng., MCIM - 2 days @ \$200 per day	\$ 400.00	
Hotel and Meals	\$ 16.81	
	<u>\$ 12.40</u>	29.21
Gas	\$ 12.50	
	\$ 8.00	
	<u>\$ 8.50</u>	29.00
Miles Travelled - 646.4 @ 12¢ per mile		77.57
Letter Report on Nor-Can Calims		<u>150.00</u>
TOTAL AMOUNT DUE	\$ 685.78	<u>\$ 685.78</u>

King Graybarr Mines Ltd., N.P.L.,

P. O. Box 904,

VERNON, British Columbia.

IN ACCOUNT WITH

Angus G. MacKenzie

MINING CONSULTANTS LTD.

632, 550 - 6TH AVENUE S.W.,
CALGARY, ALBERTA
T2P 0S2Project No. 74-712Date June 17, 1974Professional Services - Angus G.
MacKenzie, P. Eng.
May 30, 31 and June 1, 1974

3 days @ \$200 per day

\$ 600.00

Village Green Motel \$ 18.36
18.61

36.97

Mileage - 646 miles @ 12¢ per mile
Gas and Oil

77.52

33.90

Meals enroute

9.50

Long Distance Telephone calls

12.30

TOTAL AMOUNT DUE

\$ 770.19

\$ 770.19

King Graybarr Mines Ltd. (N.P.L.),
 P. O. Box 904,
 VERNON, British Columbia.

IN ACCOUNT WITH
Angus G. MacKenzie
 MINING CONSULTANTS LTD.

632, 550 - 6TH AVENUE S.W.,
 CALGARY, ALBERTA
 T2P 0S2

Project No. 74-712

Agm.

Date July 4, 1974

Professional Services - A. G. MacKenzie, P. Eng., June 19, 20 and 21 - 3 days @ \$200 per day	\$ 600.00	
Village Green Motel - Invoice attached	56.73	
Mileage - 646 miles @ 12¢ per mile	77.52	
Gas and Oil	33.45	
Meals enroute	12.35	
hemex Labs - Assays - Invoice attached	86.50	
Core Boxes - 26 @ \$3.50 per box	91.00	
Long Distance Telephone calls	<u>9.70</u>	
TOTAL AMOUNT DUE	\$ 967.25	<u>\$ 967.25</u>