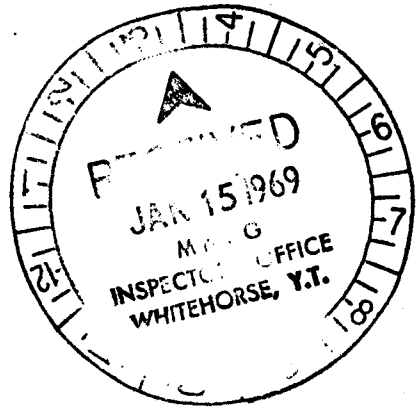
GEOLOGICAL, GEOCHEMICAL AND AIRBORNE-GEOPHYSICAL REPORT

AS REPRESENTATION WORK ON THE

AD CLAIM GROUPS(1 - 64 INCLUSIVE)

61° 17' N, 136° 54' W, HOPKINS LAKE AREA, 115 - H - 7,

WHITEHORSE MINING DISTRICT, YUKON TERRITORY



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MITSUBISHI METAL MINING CO., LTD.

Vancouver, B.C.
December 10, 1968

This report has been examined by the Geological Evaluation Unit. Approved as to technical worth by:

RESIDENT GEOLOGIST

Approved as to cost in the amount of: $ 25,200.00

RESIDENT MINING ENGINEER

Accepted as representation work under Section 53(4) Yukon Quartz Mining Act.

COMMISSIONER OF YUKON

C O N T E N T S

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GEOLOGICAL, GEOCHEMICAL AND AIRBORNE - GEOPHYSICAL REPORT AS REPRESENTATION WORK ON THE AD CLAIM GROUPS(1 - 64 INCLUSIVE) 61° 17' N, 136° 54' W, HOPKINS LAKE AREA, 115 - H - 7, WHITEHORSE MINING DISTRICT, YUKON TERRITORY

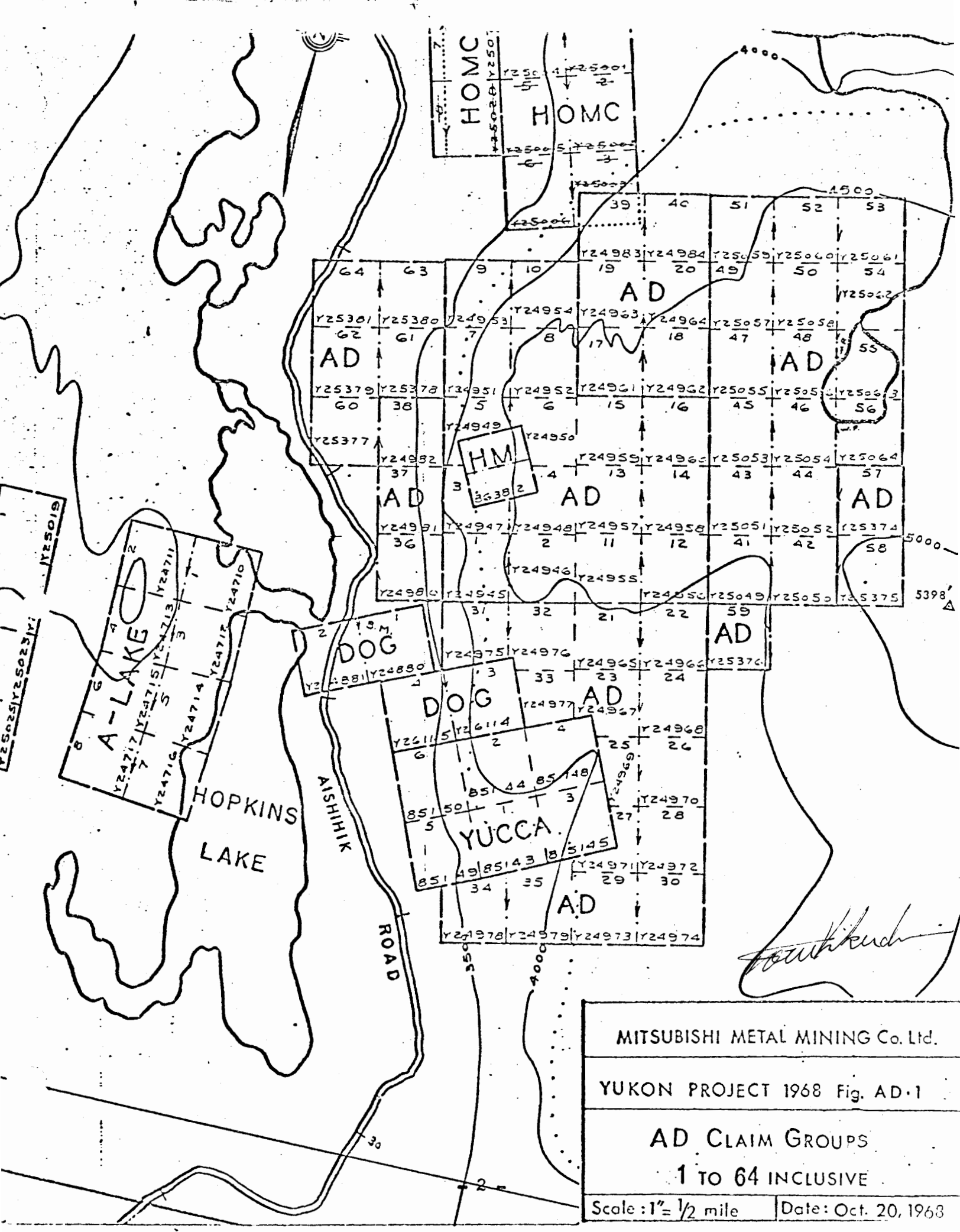
MITSUBISHI METAL MINING CO., LTD.

I. INTRODUCTION

The assessment work carried out in this report herein was completed in the Summer season of 1968 by MITSUBISHI METAL MINING CO., LTD. which is a mining company legally incorporated in Japan having its Main Office in Tokyo (No. 6, 1-Chome, Ohtemachi, Chiyoda-Ku, Tokyo, Japan) and one of its Branch Offices in Vancouver (Room 1401, 900 West Hastings St., Vancouver 1, B.C., Canada) with the field crews as follows:

Toru Kikuchi, Ph.D., P.Eng.	Chief Geologist of Vancouver Office
Takaaki Kashiwagi, B.Sc., M.Eng.	Senior Geologist of Vancouver Office
Makoto Shiikawa, Ph.D.	Visiting Professor U.B.C., Professor of Akita University, Japan
Victor D. Brown-John,	Prospector
William E. Fraser.	Prospector
Shigeki Kikuchi	Helper

also at-the-site supervising was Moritsuna Saigusa, Ph.D., Chief Geologist of Tokyo Main Office, and Tsuyoshi Kawahara, B.Eng., Manager of Vancouver Office.



MITSUBISHI METAL MINING Co. Ltd.

YUKON PROJECT 1968 Fig. AD-1

AD CLAIM GROUPS
1 TO 64 INCLUSIVE

Scale : 1" = 1/2 mile | Date : Oct. 20, 1968

TABLE AD-1, STAKING and RECORDING SITUATION of AD CLAIM GROUPS.
(See Fig. AD-1 for location)

NAME of CLAIM	DATE LOCATED	NAME of LOCATOR	DATE RECORDED	GRANT NO.	DATE TRANSFERRED to MITSUBISHI
AD - 1	24 May 1968	Toru Kikuchi	10 June 1968	Y24945	8 August 1968
AD - 2	ditto	ditto	ditto	Y24946	ditto
AD - 3	ditto	ditto	ditto	Y24947	ditto
AD - 4	ditto	ditto	ditto	Y24948	ditto
AD - 5	ditto	ditto	ditto	Y24949	ditto
AD - 6	ditto	ditto	ditto	Y24950	ditto
AD - 7	ditto	ditto	ditto	Y24951	ditto
AD - 8	ditto	ditto	ditto	Y24952	ditto
AD - 9	24 May 1968	William E. Fraser	10 June 1968	Y24953	8 August 1968
AD - 10	ditto	ditto	ditto	Y24954	ditto
AD - 11	25 May 1968	ditto	ditto	Y24955	ditto
AD - 12	ditto	ditto	ditto	Y24956	ditto
AD - 13	ditto	ditto	ditto	Y24957	ditto
AD - 14	ditto	ditto	ditto	Y24958	ditto
AD - 15	ditto	ditto	ditto	Y24959	ditto
AD - 16	ditto	ditto	ditto	Y24960	ditto
AD - 17	25 May 1968	Takaaki Kashiwagi	12 June 1968	Y24961	8 August 1968
AD - 18	ditto	ditto	ditto	Y24962	ditto
AD - 19	ditto	ditto	ditto	Y24963	ditto
AD - 20	ditto	ditto	ditto	Y24964	ditto
AD - 21	ditto	ditto	ditto	Y24965	ditto
AD - 22	ditto	ditto	ditto	Y24966	ditto
AD - 23	ditto	ditto	ditto	Y24967	ditto
AD - 24	ditto	ditto	ditto	Y24968	ditto
AD - 25	25 May 1968	Victor D. Brown-John	12 Jun.'68	Y24969	8 August 1968
AD - 26	ditto	ditto	ditto	Y24970	ditto
AD - 27	ditto	ditto	ditto	Y24971	ditto
AD - 28	ditto	ditto	ditto	Y24972	ditto
AD - 29	ditto	ditto	ditto	Y24973	ditto
AD - 30	ditto	ditto	ditto	Y24974	ditto
AD - 31	ditto	ditto	ditto	Y24975	ditto
AD - 32	ditto	ditto	ditto	Y24976	ditto
AD - 33	25 May 1968	Bernard Gagnon	12 June 1968	Y24977	8 August 1968
AD - 34	ditto	ditto	ditto	Y24978	ditto

The AD Claim Group, owned by MITSUBISHI METAL MINING CO. LTD. consists of sixty-four (64) mineral claims, AD - 1 to AD - 64 inclusive. They are approximately 75 air-miles northwestly of Whitehorse or at the east side of about MILE 31 - 34 on the AISHIHIK Road at the Hopkins Lake Area of the Claim Sheet "115 - H - 7", in the Whitehorse Mining District, Yukon Territory.

As of the end of September of 1968, there are some of the mineral claims owned by the other individuals, HOMC Group (2 Claims), HM Group (1 Claim), DOG Group (4 Claims) and YUCCA Group (6 Claims) adjoining the AD Group, and A-LAKE Group (8 Claims), CRISP Group (8 Claims) and DUCK Group (4 Claims) near the AD Group. (See Fig. AD-1)

Excerpts (see next page) from an older report, show that copper was discovered in the area at the turn of the century, in the early 1900's. They were subsequently re-staked and forfeited many times, and there was no claim in good-standing at the time the AD Claims were staked in the Summer of 1968 with the exception of the claims mentioned above.

The water level of Hopkins Lake is 3250' above the sea level and the Aishihik Road at the east side of the lake is at 3338' elevation. The top of the highest mountain in the area (see Figs.) is 5398' which is at the eastern part of the area and just out of the AD Claim Group. The AD Claim Group, therefore, is approximately 3300' to 5300' elevation. There is a steep hill at the western extremity of the Group and a plateau at the east half. There are many convenient helicopter landing sites at elevations upwards of 4000' because of the sparse nature of the vegetation.

NOTE: It should be a mistake of the old reporter, D.D.Cairnes, that the title of the description must be "The Hopkins Lake Claims" instead of "The Gilltana Lake Claims". Gilltana Lake is another lake about six miles south of Hopkins Lake and no good mineral showing has found near Gilltana Lake.

The Gilltana Lake Claims

Most of these claims were staked during the season of 1907, though a number were located during the last summer. They are located on both sides of Gilltana lake, which lies some 15 miles in a north-westerly direction from Hutchi lake and village. Locally the claims are known both as the Gilltana Lake claims, and as the Hutchi copper.

The ore on the north-west side of the lake occurs at the contact between granite and limestone, and is in the form of narrow lenses of mineralized matter and quartz. The widest lens seen had a breadth of about 4 feet, but as a rule, the bodies are only from 1 foot to 2 feet wide and have at present no economic value.

Across the lake the claims are chiefly located over the face of a hill rising about 1,200 feet above the water. The country rock is mainly mica schists, interbanded with which are some beds of quartzite and limestone, the latter generally being narrow—3 to 4 feet wide, but sometimes as much as 50 feet thick. The strata strike about parallel with the lake and dip into the hill, so that the different bands of schist extend along the face of the hill, one above the other, maintaining an almost horizontal outcrop. In places these bands have become mineralized with magnetite, generally carrying copper minerals, chiefly chalcopyrite and malachite, and these constitute the ores bodies. The original schists show all degrees of mineralization and replacement, from portions entirely non-metalliferous to others now consisting of almost solid iron ore.

The best of these mineralized bands or zones average from 6 to 10 feet in width, although one was seen having a breadth of 20 feet and consisting of almost solid ore. The mineralized bands generally can be traced for 50 to 100 or even 200 feet, when the iron and copper minerals gradually disappear, or at times seem to be continued along other parallel bands. Three prominent, with other less important bands, were observed at different elevations on the face of the hill.

At the surface the copper minerals appear to have been leached out, but may be found re-deposited lower down. On the Helen claim, up Franklin creek, some open-cut work has been done, and there, in places, streaks of copper ore 1 foot to 3 feet thick were seen, included in wider bands that are much richer than observed elsewhere.

Apparently the ores are connected in origin with the intrusive granites found in the vicinity. The strata have been cut by dikes of light coloured hornblende andesites and dark fine-grained basalts, but these have had no visible effects on the ore deposits. The district is well worth prospecting and a number of the claims look very promising.

The following represent the results of assays of two samples from this district. No. 1 is a sample taken across the strike of one of the best looking bands which had a width of about 6 feet. No. 2 is a sample of one of the 3 foot streaks of copper ore on the Helen claim.

Gold, ounces per ton.....	Trace	Trace
Silver, ounces per ton.....	Trace	Trace
Copper, percentage.....	1·35	9·00

from H.S.Bostock: YUKON TERRITORY, G.S.C. MEMOIR 284, 1957, pp. 281-282. Original report from D.D.Cairnes in 1909

II GEOLOGY AND LITHOLOGY

There is no detail geological reference covering the area of the AD Claim Group, but followings represent the surrounding areas which are geologically similar to the area.

(Sheet 115-G)	J.E. Muller:	Kluane Lake Map-Area Memoir 340, G.S.C. 1967
(Sheet 115-B)	J.O. Wheeler:	Kaskawulsh Geological Map Map 1134A, G.S.C. 1963
(Sheet 115-I)	H.S. Bostock:	Carmacks District Memoir 189, G.S.C. 1956
(Sheet 115-A)	E.D. Kindle:	Dezadeash Map-Area Memoir 268, G.S.C. 1953
(Sheet 105-L)	R.B. Campbell:	Glenlyon Map-Area Memoir 352, G.S.C. 1967
(Sheet 105-E)	H.S. Bostock:	Laberge Map-Area Memoir 217, G.S.C. 1960
(Sheet 105-D)	J.O. Wheeler:	Whitehorse Map-Area Memoir 312, G.S.C. 1961

GEOLOGY: The area of the AD Claim Group is underlain by Pre-Cambrian metamorphic rocks of the Yukon Group. The Coast Intrusives (Granitic Rocks) have intruded later (Jurassic and ? Cretaceous). Two types of dykes, of Andesitic component and Porphyritic structure, intrude the both formations afterward. These formations will be shown in Table AD-2 below:

TABLE AD-2, GEOLOGICAL FORMATIONS OF AD CLAIM GROUP AREA

		LITHOLOGY
Recent & Pleistocene	Superficial Deposits	Alluvium & Glacial Deposits
Post Jurassic	Dyke Rocks	Andesitic & Porphyritic (and related type) rocks
Jurassic and (?) Cretaceous	Coast Range Instrusives	Syenite, Monzonite, Diorite, Granodiorite, Granite and related types
Precambian and later	Yukon Group	Quartz-chlorite-sericite-schist, Epidote-actinorite-green rock, Quartz-mica-schist, Quartzite, Slate, Limestone, Granite-gneiss and etc.

YUKON GROUP: The main out-crops occur in two separate locations in the AD Claim Group (See Fig. AD-2a); in the northwestern part of the Group and in the southwestern part, bordering the shoulder of the plateau. The rocks of the Yukon Group, underlying the area, are considered to be of Pre-Cambrian age. The metamorphism is so strong that the original rocks are usually difficult to determine. It seems that they are both of sedimentary and igneous rock origin. The main rocks are:

(1) Schist - Green rock consisting mainly biotite, sericite, chlorite quartz, epidote, hornblende, amphibole, actinolite, feldspar and others. The schistosity is usually very clear.

(2) Slate alternating with the schist and/or green rocks above mentioned. Very hard and dark brown to black in color.

(3) Granite gneiss being "Augen Gneiss" usually, with clear gneissose texture and phenocrysts.

(4) Crystalline Limestone usually white in colour, slightly siliceous in part, usually highly crystallized and no original bedding is visible. Some small quartz veins are observed in the limestone. Some Skarn minerals like epidote are seen at the contact with the Granitic rock.

GRANITIC INTRUSIVES: Intruding the underlying Yukon Group, various Granitic rocks of the Coast Range Intrusive (Jurassic and ? Cretaceous) are predominant. They appear to be widely scattered and manifest as a main body at the highest (5398') mountain in the area. Out-crops are abundant at the top of the mountain and the hill-side between 4200' to 4350' elevation. The orientation of intrusion seems to be from southeast to northwest. Various out-crops are noted and all of them appear to be genetically granitic. A typical one is coarse grained and consists of quartz, feldspar, mica and hornblende. The ferromagnesian minerals are predominant in the darker coloured rocks.

The granitic rocks of the Coast Range Intrusion, generally speaking, belong to the Monzonite - Granodiorite family having the ratio of 5:3 to 3:5 in alkali feldspar to lime feldspar.

The boundary between the Yukon Group and the Granitic rock is very irregular, and in general, it dips 55° to 70° E. The strong schistosity of the Yukon Group rocks at the contact of the Granitic rock is due to both the metamorphism and intrusive effect. The contact of the limestone and the Granitic rocks usually shows the effects of contact metamorphism.

DYKE ROCKS: Two types of dyke rock, of Andesitic component and Granitic structure, are noted in the area.

(1) Andesitic component dyke: This rock mainly distributed at the northwestern part of the area forming a contrast to the main location of the Granitic Porphyry Dyke which is mainly at the southwestern part of the area. Both of them show strike of N-S to N10°E which is one of the main joint systems of the Granitic rocks. Some of the Andesitic Dykes strike at right angles to the direction mentioned above.

(2) Granitic Porphyry Structure Dyke: At the southwest part of the area, on the hillside from 3500' to 4300' elevation, where the Granitic Intrusives and the Yukon Group crop out, there are many (over ten) Granitic Porphyry Structure Dykes which contain abundant biotite and hornblende with comparative large phenocrysts of plagioclase. The widths of the dykes are 9' - 18' in general and up to 30' sometimes.

The two types of dyke intruding the Yukon Group and the Granitic rocks are undoubtedly later than the Coast Intrusives.

GEOLOGICAL STRUCTURE: The general strike of the underlying Yukon Group is about N-S but it strikes about NNE at the northwestern part of the area and NNW at the southwestern part, being almost parallel to the steep cliff. The dip is generally gentle, about 15°E, but 30° to 35°E at the contact with Granitic rock.

The orientation of the Granitic intrusion is almost similar to the general strike of the Yukon Group, that is about N-S. The boundary of both rocks is very irregular and it is observed that the Granitic rock intruding the Yukon Group along its strata appears as a dyke or a "tongue" in some places.

The orientation of the dykes of Andesitic rock and Granitic Porphyry is also about N-S, having closed relations with the structure of the Granitic Intrusions.

LITHOLOGY: They typical rock samples (10 samples) from the area were observed under microscope by Dr. M. Shiikawa, visiting Professor of U.B.C. as shown below: (See Fig. AD-2a for location from the co-ordinations.)

(1) Location 53N - 25W

The sample consists of two parts; a fine part and a coarse part.

The fine part which seems to be a Xenolith, consists of plagioclase (An: 30%) phenocrysts, with small amounts of quartz, poikilitic potassium feldspar and Mafics (Mainly hornblende with small amounts of biotite). The texture is fine and porphyritic. The hornblende has been re-crystallized. Name of rock: Fine Grained Porphyritic Rock.

The coarse part consists of plagioclase (An: about 30%) phenocrysts, hornblende (green) and biotite as Mafics, and some accessory minerals (opaques, sphene, titanite, apatite, etc.). The texture is granularly hypidiomorphic. Name of rock: Quartz Monzonite or Granodiorite.

(2) Location 10S - 90W

Plagioclase (calcic), hornblende, biotite, round quartz, apatite (a small amount) occur as phenocrysts. A few potassium phenocrysts too are found in the groundmass. Texture is porphyritic with a fine grained groundmass. Name of rock: Porphyritic Dacite.

(3) Location 00 - 0W

Quartz as phenocryst. Hornblende (secondary), biotite and pyroxene (hyperthene and augite) as Mafic minerals. Opaques and apatite as accessory minerals. Name of rock: Pyroxine Quartz Dacite.

(4) Location 00 - 40W

Plagioclase (An: 40 - 60%), quartz, hornblende, biotite as phenocrysts. Sphene, apatite, opaques as accessory. Medium grained texture. Name of rock: Medium Grained Hornblende Quartz Dacite.

(5) Location 00 - 120W

Microperthitic potassium feldspar, subhedual plagioclase (An% = of andesite), green hornblende, biotite and chlorite as principal minerals. Apatite, sphene, opaques as accessory minerals. Hypidiomorphic granular texture. Name of rock: Granodiorite or Quartz Monzonite.

(6) Location 20S - 0W

Calcic plagioclase, potassium feldspar as principal minerals. No quartz. Pyroxene (Augite), biotite, olivine as Mafic minerals. Abundant opaques and apatite as accessory minerals. Name of rock: Olivine Gabbro or Syenodiorite.

(7) Location 15S - 100W

Dyke rocks intruding the boundary of the Yukon Group and the Granitic rock. Plagioclase (An: about 35%), hornblende, biotite (partly chloritized) and etc. as phenocryst. Opaques and apatite as accessory minerals. Some quartzes are found in the groundmass. Name of rock: Porphyritic Dacite.

(8) Location 5S - 100W

Dyke rock intruded into the boundary of the Yukon Group and the Granitic rock. Quartz, plagioclase and hornblende as phenocrysts. Porphyritic texture. Name of rock: Porphyritic Hornblende Dacite.

(9) Location 15S - 105W

Dyke rock intruded into the boundary of the Yukon Group and the Granitic rock. Biotite as a major mineral. Quartz as a minor mineral. Hornblende as phenocrysts. Medium grained texture. Name of rock: Hornblende Medium Grained Dacite.

(10) Location 13S - 90W

A sample from the contact of the Yukon Group and the Granitic rock. Microperthitic potassium feldspar, quartz minor plagioclase as principal minerals. A small amount of biotite (partly chloritized) as Mafics. Opaques as accessorys. Allotriomorphic Granular texture. Name of rock: Allotriomorphic Granular Biotite Granite.

III MINERALIZATION

The following three types of ore-showings are observed in the area, from the genetical point of view:

(1) Contact metamorphic deposit at the contact of the limestone (the Yukon Group) and the Granite rocks. (Magnetite, Copper)

(2) Molybdenite impregnation in the Granitic rock.

(3) Chalcopyrite impregnation in the "Hybrid" of the Granitic rock and the Yukon Group.

(1) There are some beds of limestone (N-S strike, 10° - 30° E dip, 1' - 20' thickness) in the Yukon Group, in the northwestern part of the area. Some contact deposits appear in the limestone, e.g., Location 72N - 85W, and 15S - 100W. The thickness of the limestone at the showings are 5' to 10'. Granitic rocks are found 30' - 100' from the showings. Skarns (epidote, garnet and others) and magnetite are found at the contact. Chalcopyrite (mainly changed to oxide copper) has been added later. These showings are not large enough (10' to 30' strike length) for individual mining, but can be considered as a possibility with the following instances.

(2) In genetic sequence, molybdenite impregnation occurs in the Granitic rock. No high grade showing has been found. Some showings are at Location 45N - 80 to 95W. and 00 to 10S - 100W.

(3) At the latest genetical stage, or after the Granitic intrusion of Jurassic Age, in the contact zone -- the so-called "Hybrid" which is chemically and physically mixed with both rocks including some contact minerals -- of the Granitic rock and the Yukon Group (mainly gneiss and schist), chalcopyrite impregnation by Hydrothermal Copper Mineralization with quartz and calcite has been found, mainly in the Granitic rocks. The Mineralization is prior to the dykes (Andesitic and Porphyritic). The main showings are at Location 45N - 55 to 130W. Geological soil sampling and surface chip sampling (See TABLE AD-3) does not show high grade anomalies, but the indications are spread so wide that a low grade large copper deposit can be considered.

TABLE AD-3, ASSAY DATA of AD CLAIM GROUP. (See Fig.AD-3 and AD-4 for location)
(M.S. = Assay Report by M.Shiikawa)
(G.S. = Assay Report by G.Spalding)

Soil Sample Coordination	Cu (Mo) ppm	Assay Report
00N, 05E	90	M.S. NO.6
10E	50	
15E	89	
20E	60	
25E	30	
30E	32	
35E	40	
40E	52	
45E	45	M.S. No.7
50E	50	M.S. No.6
55E	30	
60E	25	
65E	30	
70E	28	
100N, 00W	28	M.S. No.31
05W	25	
10W	32	
15W	30	
20W	30	
30W	24 (4)	G.S. Jun 24
35W	24 (3)	
40W	30 (3)	
45W	48 (4)	
50W	39 (4)	
55W	27 (3)	
60W	21 (2)	
65W	21 (2)	
70W	90 (2)	
75W	21 (3)	
80W	45 (2)	
85W	35 (Tr)	
90W	60 (2)	
95W	36 (2)	
100W	96 (4)	
105W	18 (Tr)	
110W	27 (2)	
115W	39 (3)	
120W	27 (2)	
125W	18 (2)	
130W	21 (2)	
90N, 00W	23	M.S. No.26
05W	33	
10W	25	
15W	25	
20W	30	
25W	45	M.S. No.18
30W	45	M.S. No.26
35W	25	
40W	70	M.S. No.18
40W	55	M.S. No.26

Soil Sample Coordination	Cu (Mo) ppm	Assay Report
90N, 45W	42	M.S. No.26
50W	48	
55W	27	
60W	32	
65W	36	
70W	95	
70W	43	M.S. No.20
75W	47	M.S. No.26
80W	50	
80W	60	M.S. No.20
85W	50	M.S. No.26
90W	100	
90W	120	M.S. No.20
100W	60	M.S. No.26
105W	20	
105W	20	M.S. No.20
110W	0	M.S. No.26
115W	24	
115W	22	M.S. No.20
120W	25	M.S. No.26
125W	22	
125W	20	M.S. No.20
130W	32	M.S. No.26
85N, 25W	60	M.S. No.18
40W	70	
80N, 00W	20	M.S. No.25
05W	25	M.S. No.26
10W	25	
15W	57	
20W	50	
25W	67	M.S. No.18
30W	42 (8)	G.S. Jun 24
35W	39 (9)	
40W	120	M.S. No.18
40W	36 (8)	G.S. Jun 24
45W	69 (9)	
50W	53 (3)	
55W	36 (2)	
60W	66 (2)	
65W	162 (2)	
70W	57 (6)	
75W	215 (4)	
80W	30 (Tr)	
85W	30 (Tr)	
90W	120 (Tr)	
95W	60 (Tr)	
100W	120 (10)	
75N, 25W	55	M.S. No.18
40W	65	
100W	45	M.S. No.3

Continuation(1) of TABLE AD-3

Soil Sample Coordination	Cu (Mo) ppm	Assay Report
70N, 00W	15	M.S. No.25
05W	50	
10W	27	
15W	50	
20W	40	
25W	65	M.S. No.18
30W	52	M.S. No.17
35W	125	
40W	80	
40W	120	M.S. No.18
45W	55	M.S. No.17
50W	120	
55W	95	
60W	110	
65W	95	
70W	175	
75W	65	
80W	170	
85W	145	
90W	155	
95W	230	
100W	48	
100W	120	M.S. No.2
105W	50	M.S. No.17
110W	155	
115W	48	
120W	25	
65N, 25W	70	M.S. No.18
40W	160	
100W	320	M.S. No.3
60N, 00W	40	M.S. No.25
05W	20	
10W	33	
15W	50	
20W	57	
25W	58	M.S. No.18
30W	42 (3)	G.S. Jun 24
35W	60 (3)	
40W	84 (4)	
40W	125	M.S. No.18
45W	27 (6)	G.S. Jun 24
50W	138 (5)	
55W	45 (3)	
60W	36 (4)	
65W	90 (4)	
70W	90 (4)	
75W	63 (12)	
80W	54 (6)	
85W	48 (4)	
90W	135 (8)	

Soil Sample Coordination	Cu (Mo) ppm	Assay Report
60N, 95W	138 (15)	G.S. Jun 24
100W	90	M.S. No.3
55N, 25W	125	M.S. No.18
40W	68	
100W	400	M.S. No.3
50N, 00W	50	M.S. No.25
05W	28	
10W	26	
15W	48	
25W	70	M.S. No.18
30W	115	M.S. No.11
35W	60	
40W	58	
40W	60	M.S. No.18
45W	140	M.S. No.11
50W	30	
55W	55	
60W	110	
65W	110	
70W	210	
75W	30	
80W	51	
85W	110	M.S. No.10
90W	255	
95W	250	
100W	120	
100W	330	M.S. No.3
45N, 25W	53	M.S. No.18
40W	50	
100W	150	M.S. No.3
40N, 00W	50	M.S. No.25
05W	27	
10W	2	
15W	20	
25W	40	M.S. No.18
30W	126 (7)	G.S. Jun 24
35W	72 (5)	
40W	30 (2)	
40W	95	M.S. No.18
45W	63 (Tr)	G.S. Jun 24
50W	96 (4)	
55W	105 (2)	
60W	81 (7)	
65W	360 (6)	
70W	132 (4)	
75W	240 (3)	
80W	300 (15)	
85W	130 (10)	
90W	36 (6)	
95W	150 (9)	

Continuation(2) of TABLE AD-3

Soil Sample Coordination	Cu (Mo) ppm	Assay Report
40N, 100W	36 (7)	G.S. Jun 24
100W	100	M.S. No.3
35N, 25W	20	M.S. No.18
40W	145	
100W	130	M.S. No.14
30N, 00W	50	M.S. No.25
05W	65	
10W	50	
15W	28	
20W	25	
25W	70	M.S. No.18
30W	160	M.S. No.8
35W	160	
40W	60	
45W	190	
50W	140	
55W	50	
60W	230	
65W	290	
70W	50	
75W	90	
80W	85	
85W	53	
90W	49	
95W	85	
100W	75	
100W	73	M.S. No.14
105W	170	M.S. No.8
110W	390	M.S. No.9
115W	170	
120W	280	
125W	30	
132W	27	
137.5W	29	
25N, 25W	37	M.S. No.25
100W	180	M.S. No.14
20N, 00W	30	G.S. May 27
05W	37	
10W	50	
15W	35	
20W	25	
25W	50	
30W	27	
35W	32	
40W	185	
45W	37	
50W	60	
55W	17	
60W	35	
65W	15	

Soil Sample Coordination	Cu (Mo) ppm	Assay Report
20N, 70W	27	G.S. May 27
75W	47	
80W	70	
85W	49	
90W	100	
95W	72	
100W	400	
100W	120	M.S. No.14
105W	61	G.S. May 27
110W	47	
115W	205	
120W	20	
125W	12	
18N, 90W	85	M.S. No.4
15N, 25W	54	M.S. No.25
100W	52	M.S. No.14
10N, 05W	32	M.S. No.25
10W	18	
15W	15	
20W	105	
25W	32	
30W	90	M.S. No.3
35W	32	
40W	30	
45W	25	
50W	290	
55W	58	
60W	45	
65W	47	
70W	60	
75W	50	
80W	95	
85W	25	
90W	220	
95W	65	
100W	140	
100W	120	M.S. No.14
105W	61	M.S. No.3
110W	350	
115W	380	
120W	55	
125W	50	
130W	50	
05N, 05W	60	M.S. No.25
100W	250	M.S. No.14
00N, 00W	95	G.S. May 27
05W	37	
10W	45	
15W	40	
20W	90	

Continuation(3) of TABLE AD-3

Soil Sample Coordination	Cu (Mo) ppm	Assay Report
00N, 25W	40	G.S. May27
30W	27	
35W	12	
40W	45	
45W	90	
50W	115	
55W	35	
65W	265	
70W	150	
75W	15	
80W	40	
85W	40	
90W	47	
95W	90	
100W	155	
105W	55	
110W	85	
115W	40	
120W	22	
125W	10	
130W	17	
135W	15	
10S, 00W	180	M.S. No.6
05W	140	
10W	95	
15W	95	
20W	28	
25W	28	
30W	53	
35W	30	
40W	40	
45W	48	
50W	50	M.S. No.9
55W	47	
60W	30	
65W	50	
70W	24	
75W	90	
80W	60	
85W	160	
90W	110	
95W	450	
100W	180	
105W	170	
110W	59	
115W	430	
120W	380	
125W	50	
130W	48	
135W	28	

Soil Sample Coordination	Cu (Mo) ppm	Assay Report
20S, 00W	165 (5)	G.S. Jun 24
05W	40 (2)	
10W	120 (2)	
15W	26 (7)	
20W	22 (4)	
25W	25 (3)	
30W	25 (5)	
35W	19 (2)	
40W	13 (2)	
45W	26 (2)	
50W	10 (3)	
55W	36 (4)	
60W	135 (5)	
65W	18 (3)	
70W	28 (4)	
75W	90 (16)	
80W	21 (2)	
85W	150 (9)	
90W	150 (6)	
95W	27 (9)	
100W	210 (2)	
105W	660 (4)	
110W	50 (6)	
115W	54 (2)	
120W	54 (6)	
125W	38 (16)	
130W	16 (2)	
135W	2250 (8)	
140W	32 (6)	
145W	14 (3)	
30S, 00W	45	M.S. No.7
05W	40	
10W	67	
15W	43	
20W	50	
25W	38	
30W	33	
35W	39	
40W	40	
45W	60	
50W	39	
55W	40	
60W	45	
65W	48	
70W	31	
75W	43	
80W	220	
85W	47	
90W	58	
95W	55	

Continuation(4) of TABLE AD-3

Soil Sample Coordination	Cu (Mo) ppm	Assay Report
30S, 100W	67	M.S. No.7
105W	50	
110W	35	
115W	320	
120W	50	
125W	20	
130W	31	
135W	31	
40S, 00W	15 (2)	G.S. Jun 24
05W	24 (3)	
10W	21 (6)	
15W	15 (4)	
20W	27 (5)	
25W	21 (8)	
30W	24 (4)	
35W	18 (4)	
40W	6 (2)	
45W	15 (4)	
50W	18 (4)	
55W	18 (2)	
60W	30 (4)	
65W	33 (4)	
70W	12 (3)	
75W	18 (4)	
80W	18 (4)	
85W	27 (Tr)	
90W	12 (4)	
95W	12 (3)	
100W	15 (2)	
105W	24 (3)	
110W	48 (3)	
115W	300 (Tr)	
120W	105 (3)	
125W	165 (2)	
130W	21 (2)	
135W	6 (Tr)	
60S, 04W	45	M.S. No.4
05W	32	
10W	47	
15W	50	
20W	30	
25W	40	
30W	33	
35W	38	
40W	35	
45W	48	
50W	50	
55W	48	
60W	46	
65W	48	

Soil Sample Coordination	Cu (Mo) ppm	Assay Report
60S, 70W	30	M.S. No.4
75W	43	
80W	42	
85W	25	
90W	46	
95W	15	
100W	20	
105W	65	
110W	50	
115W	40	
120W	110	
125W	97	
128W	28	
80S, 00W	50	M.S. No.15
05W	40	
10W	37	
15W	30	
20W	20	
25W	20	M.S. No.11
30W	30	M.S. No.14
35W	50	M.S. No.15
40W	18	M.S. No.11
45W	25	M.S. No.15
50W	50	
55W	30	M.S. No.14
60W	31	M.S. No.15
65W	30	
70W	25	
75W	20	M.S. No.14
80W	30	M.S. No.15
85W	27	
90W	23	
95W	20	
100W	30	
105W	45	
110W	27	
115W	33	
120W	30	M.S. No.14
125W	50	M.S. No.15
128W	35	
100S, 00W	26	M.S. No.11
05W	13	M.S. No.10
10W	30	M.S. No.15
15W	10	M.S. No.10
20W	25	M.S. No.15
25W	10	M.S. No.10
30W	15	M.S. No.11
35W	25	
40W	10	
45W	21	

Soil Sample Coordination	Cu (Mo) ppm	Assay Report
100S, 50W	36	M.S. No.15
55W	10	M.S. No.11
60W	15	
65W	25	M.S. No.25
70W	25	M.S. No.11
75W	20	
80W	20	
85W	10	
90W	8	
100S, 95W	25	M.S. No.15
100W	45	
100W(special)	40	
105W	23	M.S. No.10
110W	20	
115W	10	
120W	25	M.S. No.15
125W	5	

- -

Rock (chip) Sample No. in Fig.AD-2-a	Cu %	Mo %	Sampling Width	Assay Report	Rock (chip) Sample No. in the Report
1	0.01	0.003	50'	G.S. Sep 20	AD-19-2
2	0.02	0.003	100'		AD-19-1
3	no assay		100'		AD-17-1
4	0.10	0.003	100'		AD- 8-3
5	0.03	0.003	200'		AD- 8-1
6	0.03	0.010	200'		AD- 8-2
7	0.52	0.017	150'		AD- 7-1
8	0.25	0.020	200'		AD-61-1
9	0.03	0.006	150'		AD-45-1
10	0.18	0.003	200'		AD-45-2
11	0.02	Tr.	150'		AD-16-1
12	0.24	0.016	150'		AD-15-1
13	0.21	0.027	100'		AD-15-2
14	0.04	0.003	100'		AD- 6-1
15	0.03	0.010	200'		AD- 6-2
16	0.01	Tr	150'		AD- 5-1
17	0.02	0.003	200'		AD- 5-2
18	0.03	0.016	220'		AD-57-1
19	0.04	Tr	220'		AD-44-1
20	0.04	0.006	150'		AD- 4-1
21	0.03	0.006	150'		AD- 3-1
22	0.02	0.006	150'		AD- 2-1
23	0.01	0.003	160'		AD- 1-1
24	0.01	0.010	100'		AD-32-1
25	0.02	0.027	200'		AD-31-1

- -

Rock (chunk) Sample Coordination	Cu %	Mo %	Assay Report	No. in the Report
40N, 70W	0.01	Tr	G.S. June 10	1
40N, 60W	0.06	Tr		2
20N, 85W	0.06	Tr		3
20N, 90W	0.05	Tr		4
20N, 110W	0.50	0.31		5

517 soil samples and 30 rock samples in total

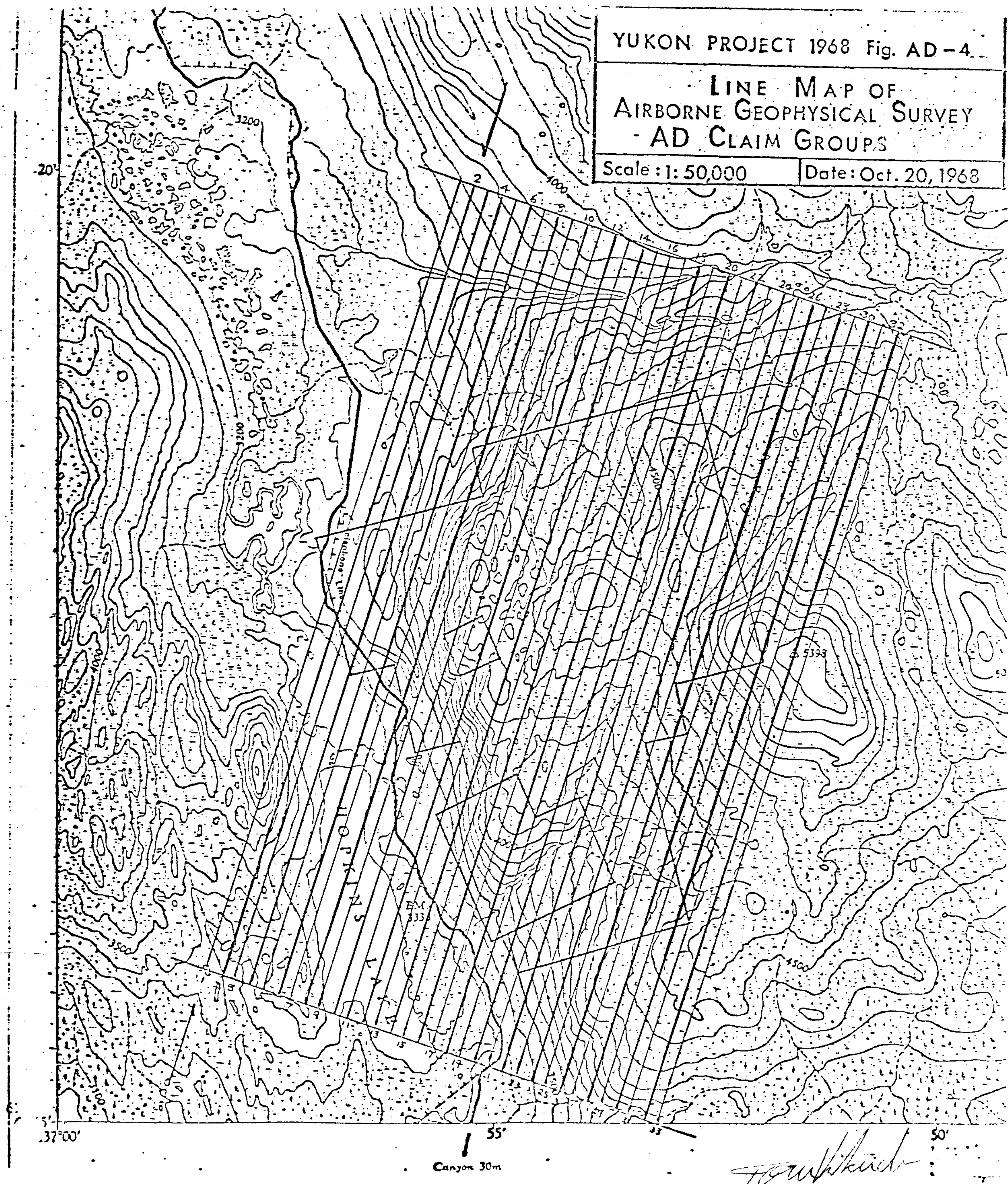
A helicopter supported geochemical soil sampling program has been carried out in the AD Claim Group area by the Company crews. Assaying was done mainly by Dr. M. Shiikawa and his helper S. Kikuchi at the temporary field laboratory, and other samples were assayed by G. Spalding, Whitehorse Assay Office. Hot Extraction and Biquinoline method were used by Dr. Shiikawa and Hot Extraction and Atomic Absorption method by the Whitehorse Assay Office.

Fig. AD-3 shows the results of the Geochemical survey, including 503 soil samples (517 in TABLE AD-3 minus 14 on the line 00N - 5 to 70E). The back ground was found to be 20 - 40 ppm Cu. 127 samples showing 50 - 99 ppm Cu should indicate some mineralization. 99 samples over 100 ppm Cu can be considered as an anomaly.

Outside of the AD Claim Group, no anomaly has been found.

V AIRBORNE - GEOPHYSICAL SURVEY

A contract Airborne Electro-Magnetic, Magnetometer and Radioactivity Survey was carried out over the AD Claim Group. The Contractor was WTERTON AERONAUTICS & EXPLORATIONS LTD. which has changed the name recently to WATERTON AIREX LTD. The covered area is shown in Fig. AD-4. The flight line interval is 500' and the altitude above the ground is 500' in average. The data is shown in Fig. AD-5, Fig. AD-6 and Fig. AD-7. The anomalies found by the airborne geophysical survey were only inside of the AD Claim Group and not outside of it, coinciding with the geochemical survey anomalies. However, these anomalies are not exactly congruent.


YUKON PROJECT 1968 Fig. AD-4
LINE MAP OF
AIRBORNE GEOPHYSICAL SURVEY
AD CLAIM GROUPS
Scale: 1:50,000
Date: Oct. 20, 1968
20'
3200
4000
4500
5393
3500
37°00'
55'
50'
Canyon 30m

VI SURFACE SAMPLING

Twenty-five chip samples were taken in the AD Calim Group area. The locations of the samples are shown in Fig. AD-2a, and the assays with sampling widths are shown in TABLE AD-3. Samples No. 4 (0.10% Cu, 100' width), No. 7 (0.52% Cu, 150' width), No. 8 (0.25% Cu, 200' width), No. 10 (0.18% Cu, 200' width), No. 12 (0.24% Cu, 150' width) and No. 13 (0.21% Cu, 100' width) were found to be significant.

VII CONCLUSION AND RECOMMENDATIONS

A so-called "Porphyry Copper Type Deposit" has been found in the AD Claim Group area. At present there has been insufficient work done on the property to determine it full potential. However, with a second stage exploration program, a more detailed picture can be obtained. The following program of exploration should be carried out: IP Survey and CAT stripping (Trench sampling). The scale and expenses are now being studied by the Company.

Respectfully submitted,

Toru Kikuchi, Ph.D., P.Eng.

STATEMENT OF QUALIFICATIONS

I, Toru Kikuchi of the City of Vancouver, B.C., hereby certify that:

(1) I am a graduate of the Hokkaido University, Japan (B.Sc., Geology and Mineralogy, 1946) and of the Tohoku University, Japan (Ph.D., Economic Geology, 1963).

(2) I am a "GIJUTSUSHI" (a qualification for a consulting engineer authorized by the Japanese Government) and am a good-standing member of the Association of Professional Engineers of The Province of British Columbia and The Association of Professional Engineers of Yukon Territory.

(3) I have been practising my profession continuously for the past twenty-two years, and am presently employed by MITSUBISHI METAL MINING CO., LTD., as its Chief Geologist of the Vancouver Office.

(4) I am a member of the The Canadian Institute of Mining and Metallurgy and of the Society of Mining Geologists of Japan.

(5) This report is based on my personal study and work at the property in 1968.

Vancouver, B.C.
December 10, 1968

Toru Kikuchi, Ph.D., P.Eng.

STATEMENT OF EXPENDITURES

PERSONNEL:-

M. Saigusa, Ph.D., Chief Geologist of Tokyo Main Office,	@$ 60.00 x 1 day =	$ 60.00
T. Kawahara, B.Eng., Manager of Vancouver Office,	@$ 55.00 x 7 days =	$385.00
T. Kikuchi, Ph.D., P.Eng., Chief Geologist of Vancouver Office,	@$ 43.00 x 20 days =	$860.00
T. Kashiwagi, B.Sc., M.Eng., Senior Geologist of Vancouver Office,	@$ 27.00 x 20 days =	$540.00
V. Brown-John, Prospector,	@$700.00 x 1 month =	$700.00
W.E. Fraser, Prospector,	@$700.00 x 1 month =	$700.00
S. Kikuchi, Assay Helper,	@$ 10.00 x 15 days =	$150.00
		$ 3,395.00

CAMP ACCOMODATIONS AND SUPPLIES:-

Log Cabins Rent,	@$100.00 x 1 month =	$100.00
Food and miscellaneous supplies, (Including for Helicopters crews),	@$470.19 x 1 month =	$470.19
		$ 570.19

SURVEY INSTRUMENT AND STATIONARIES:- $ 469.04

GEOCHEMICAL ASSAYING:-

Assay Equipments Purchase from Fisher Scientific Co. Ltd.
Total purchasing, $827.86 x a/b = $345.87

a = 343 samples from AD Group, assayed by us
b = 821 samples, all samples assayed by us

Outside Order Assay (Whitehorse Assay Office) $400.75
@$1.25 Soil ppm Cu x 176 samples = $220.00
@$ .25 additional Mo for soil x 123 samples = $ 30.75
@$5.00 rock Cu and Mo x 30 samples = $150.00

$ 746.62

HELICOPTER COSTS:-

Klondike Helicopters Ltd.,	$24,043.25 x 34/60 days =	$13,624.50
	$15,847.50 x 7/30 days =	$ 3,697.75
		$17,322.25

AIRBORNE GEOPHYSICAL SURVEY CONTRACT:-

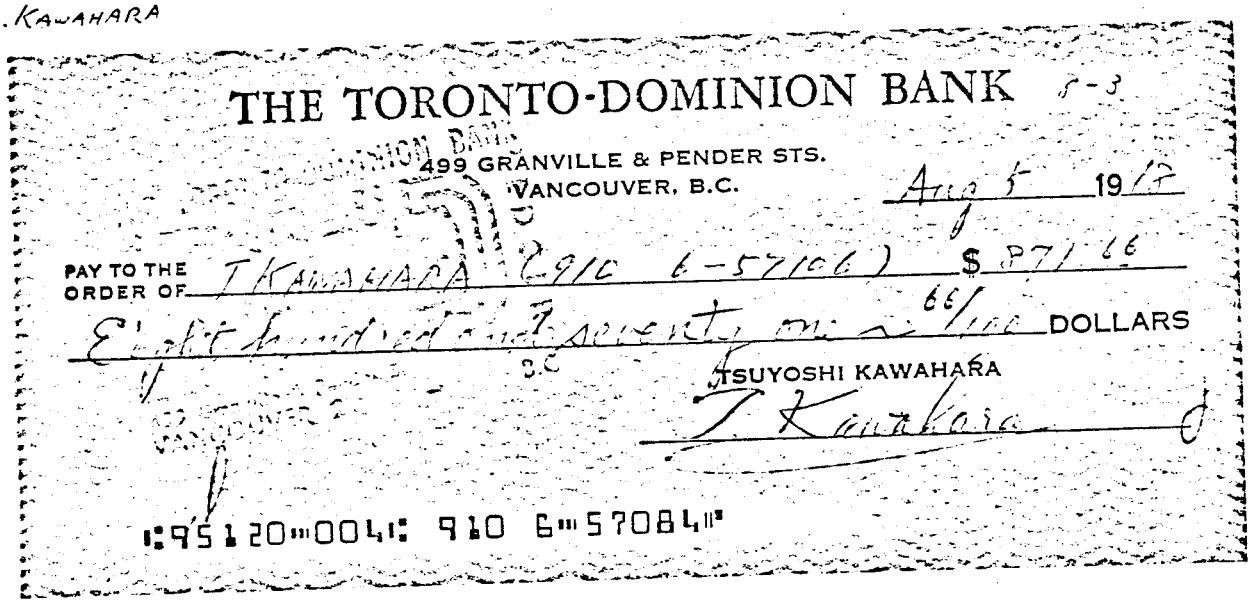
Waterton Airex Ltd. $ 2,700.00

TOTAL EXPENDITURES:- $25,203.10

(Refer the copies of receipts attached)

NOTE:- The TOTAL EXPENDITURES ($25,20310) were used for all of the area (64 Claims), which has been divided into four groups. Therefore, a quarter of the amount, that is $6,300 shall be considered for each group.

Mr. KAWAHARA



THE TORONTO-DOMINION BANK

499 GRANVILLE & PENDER STS.
VANCOUVER, B.C.

Aug 5 1947

PAY TO THE ORDER OF T KAWAHARA (910 6-57084) $ 871.66

Eight hundred and seventy one and 66/100 DOLLARS

TSUYOSHI KAWAHARA

T Kawahara

1:95120:0041: 910 6:57084:

Monthly salary $ 1100.56 ÷ 20 = 55 $

$ 1100.56 − 214.60 (Income Tax) − 14.30 (M.S.A.) = 871.66

DR. KIKUCHI

THE TORONTO-DOMINION BANK 8-15

499 GRANVILLE & PENDER STS.
VANCOUVER, B.C.

Aug 15 19 LA

PAY TO THE ORDER OF T. KIKUCHI'S A/C A/C # 25-1444 $ 973 50

Nine hundred and seventy three 50/100 DOLLARS

TSUYOSHI KAWAHARA
T Kawahara

⑈95120⑈0041⑈ 910 6⑈57084⑈

Monthly Salary # 1300.00 ÷ 30 = 43.33

973.50 = 1300.00 − 312.20 (INCOME TAX) − 14.30 (M.S.A.)

MR. KASHIWAGI

THE TORONTO-DOMINION BANK 8-4

499 GRANVILLE & PENDER STS.
VANCOUVER, B.C.

Aug 6 19 LA

PAY TO THE ORDER OF T. KASHIWAGI'S (# 910 23: IPP.) $ 666.14

Six hundred and sixty six 14/100 DOLLARS

TSUYOSHI KAWAHARA
T Kawahara

⑈95120⑈0041⑈ 910 6⑈57084⑈

Monthly Salary # 821.64 ÷ 30 = 27.39

666.14 = 821.64 − 141.20 (INCOME TAX) − 14.30 (M.S.A.)

MR. KASHIWAGI

THE TORONTO-DOMINION BANK

THE TORONTO-DOMINION BANK
499 GRANVILLE & PENDER STS.
VANCOUVER, B.C.

July 2 1968

PAY TO THE ORDER OF T. KASHIWAGI $ 671.51

Six Hundred and Seventy one 51/100 DOLLARS

TSUYOSHI KAWAHARA

T. Kawahara

Granville & Pender Sts.
VANCOUVER 2 — 9312 B.C.

⑈95120⑈0041⑆ 910 6⑈57084⑈

Monthly Salary 821.64 821.64 ÷ 30 = 27.38

671.51 = 821.64 − 138.55 (INCOME TAX) − 11.58 (C.P.P.) − [illegible]

M/R. Brown-John

THE TORONTO-DOMINION BANK 32

499 GRANVILLE & PENDER STS.
VANCOUVER 2, B.C.

July 31 19 68

PAY TO THE ORDER OF T. D. BROWN JOHN $ 276.77

Two Hundreds and seventy six ~ 77/100 DOLLARS

K. HIROSE OR T. KASHIWAGI

K. Hirose

⑈95120⑈0041⑈ 910 6⑈10258⑈

THE TORONTO-DOMINION BANK 35

499 GRANVILLE & PENDER STS.
VANCOUVER 2, B.C.

Aug 15 19 68

PAY TO THE ORDER OF T. D. BROWN JOHN $ 276.77

Two hundred and seventy six ~ 77/100 DOLLARS

K. HIROSE OR T. KASHIWAGI

K. Hirose

⑈95120⑈0041⑈ 910 6⑈10258⑈

Monthly 700.00

700.00 - 128.70 (Income Tax) - 6.06 (Unemp. Ins.) - 11.70 (C.P.P.) = 553.54

[276.77 x 2]

Mr. Fraser

THE TORONTO-DOMINION BANK

499 GRANVILLE & PENDER STS.
VANCOUVER 2, B.C.

June 15 19 62

PAY TO THE ORDER OF ..... $ 277.76

Two Hundred seventy seven 76/100 DOLLARS

K. HIROSE OR T. KASHIWAGI

K Hirose

⑈95120⑈0041⑈ 910 6⑈10258⑈

THE TORONTO-DOMINION BANK

JUN 26 1962

499 GRANVILLE & PENDER STS.
VANCOUVER 2, B.C.

THE TORONTO-DOMINION BANK

499 GRANVILLE & PENDER STS.
VANCOUVER 2, B.C.

June 28 19 62

PAY TO THE ORDER OF M. E. FRASER $ 277.76

Two Hundred and seventy seven 76/100 DOLLARS

K. HIROSE OR T. KASHIWAGI

K Hirose

⑈95120⑈0041⑈ 910 6⑈10258⑈

Monthly 700.00

700 - 128.70 (Income Tax) - 4.05 (Unemp. Ins.) - 11.70 (C.P.P.) = 555.53

[277.76 x 2]

Mr. S. Kikuchi (Helper)

THE TORONTO-DOMINION BANK

499 GRANVILLE & PENDER STS.
VANCOUVER 2, B.C.

Aug 15 19 65

PAY TO THE ORDER OF S. KIKUCHI $ 255.19

Two hundred and fifty-eight 19/100 DOLLARS

K. HIROSE OR T. KASHIWAGI

K Hirose

⑈95120⑈0041⑈ 910 6⑈10258⑈

Monthly 300.00

300.00 - 33.85 (Income Tax) - 4.50 (C.P.P.) - 3.46 (U.I.C.) = 258.19

THE TORONTO-DOMINION BANK

(15)

499 GRANVILLE & PENDER STS.
VANCOUVER 2, B.C.

JUL 2 1968

JUNE 16TH 19 68

PAY TO THE ORDER OF Mr. J. R. Stevenson $ 100.00

One Hundred xx/100 DOLLARS

K. HIROSE OR T. KASHIWAGI

T. Kashiwagi

⑈95120⑈0041⑈ 910 6⑈10258⑈

Cabin Rental Fee

Recived $100. from Dr Tom Kikuchi for rental of three cabins at Aishihik Lake for the period from 16 June to 16 July.

J R Stevenson

49735

SUPER VALU

DATE June 18 1968

NAME Mitsubishi Metal Mining

ADDRESS

CODE 292

QUAN.	DESCRIPTION	PRICE	AMOUNT
	Groc.		126 27
	N. Bienfait		

15515 TOTAL 126 27

NABOB FOOD PRODUCTS.

49735

SUPER VALU #761

DATE June 29 1968

NAME Mitsubishi Metal Mining

ADDRESS

CODE 292

QUAN.	DESCRIPTION	PRICE	AMOUNT
	Groc		66 89
	N. Bienfait		

14714 TOTAL 66 89

NABOB FOOD PRODUCTS.

SUPER VALU

DATE June 1

NAME Mitsubishi Metal

ADDRESS

CODE 292

QUAN.	DESCRIPTION	PRICE	AMOUNT
	Groc		2[illegible]

JUL 10 1968

14705 TOTAL 2[illegible]

NABOB FOOD PRODUCTS.

SUPER VALU #761

DATE June 21 1968

NAME Mitsubishi Metal Mining

ADDRESS

CODE 292

QUAN.	DESCRIPTION	PRICE	AMOUNT
	Groc		25 86

Tom Ward

14243 TOTAL 25 86

NASOB FOOD PRODUCTS.

49735

SUPER VALU #

DATE June 29 1968

NAME Mitsubishi Metal Mining

ADDRESS

CODE 292

QUAN.	DESCRIPTION	PRICE	AMOUNT
	Meat		44 72
	V. Bros-Joh.		

15392 TOTAL 44 72

NASOB FOOD PRODUCTS

49735

SUPER VALU #

DATE July 2 19

NAME Mitsubishi Metal Mining

ADDRESS

CODE 292

QUAN.	DESCRIPTION	PRICE	AMOUNT
	Groc		31

Tom Ward

AUG 15 1968

14542 TOTAL 31

NASOB FOOD PRODUCTS.

TAYLOR & DRURY

)735

SUPER VALU

DATE July 8 1968

NAME Mitsubishi Metal Mining

ADDRESS

CODE 292

QUAN.	DESCRIPTION	PRICE	AMOUNT
	Meat		41 43
	N. Baca John		

0 20668 TOTAL 41 43

NASON FOOD PRODUCTS.

PER VALU

DATE July 8 1968

Mitsubishi Metal Mining

12

QUAN.	DESCRIPTION	PRICE	AMOUNT
	Glass		95 12
	N Baca John		

0 15332 TOTAL 95 12

NASON FOOD PRODUCTS.

9	00.12	GROC
9	00.30	GROC
9	00.30	GROC
9	00.29	GROC
9	00.29	GROC
9	00.84	GROC
9	01.70	GROC
9	01.04	GROC
9	00.45	GROC
9	[illegible]	CASH

215

British Columbia Industries Sales Limited

1577 WEST GEORGIA STREET VANCOUVER 5, B.C.
PHONE 682-1667

INVOICE

S 15250

SOLD TO MITSUBISHI METAL MINING CO. LTD.
ADDRESS #404 - 900 W. HASTINGS ST.
AT VANCOUVER, B.C.
SHIPPED TO ABOVE.

TERMS: NET 30 DAYS

DATE	PURCHASE ORDER NO.	CLERK	OUR ORDER NO.
MAY 8, 1968		ST.	7959

SHIPPED VIA	NO. OF PARCELS	SHIPPER	CASH	CHARGE	C.O.D.
DB.	3	JAP		✓	

Back Ordered	QUANTITY Ordered	QUANTITY Shipped	UNIT	CAT. No.	DESCRIPTION	PRICE PER UNIT	AMOUNT
	1	1	ONLY	360° 8"	ALPHA PROTRACTOR.		3 75
	6	6	PADS	1000 H-10	CLEARPRINT 8 1/2 x 11	3.50	21 00
	2	2	"	"	" 17x22.	14.00	28 00
	1	1	RL.	"	" 42" x 50 YDS		38 60
	1	1	"	1000H	" 42" x 50 yds.		25 75
	1	1	ONLY	MARS	COMPASS W/ PEN & PENCIL ATTACH #55164		4 50
	1	1	"	37-08	PROPORTIONAL DIVIDER.		17 50
	2	2	"	43-02	CASTELL SCALES	6.00	12 00
	12	12	"	341	PACIFIC RAINPROOF FILLERS.	11.90/12	11 90
2	2		SETS	796	VERITHIN PENCILS.		—
	3	3	RLS	TUCK	DRAFTAPE 1/2" x 60YDS.	.90	2 70
	3	3	"	"	" 1" x 60YDS.	1.55	4 65
	500	500	SHTS	320 LX	PACIFIC RAINPROOF	3.50/c	17 50
							187 65
						S.S. TAX	9 39
						TOTAL	197 24

NO. 1
EXT. O.K.
PRICES O.K.
O.K. TO PAY (H)

THIS IS YOUR INVOICE

(1956)

53-B

Columbia Industries Sales Limited

1577 WEST GEORGIA STREET VANCOUVER 5, B.C.
PHONE 682-1667

INVOICE

S 15258

SOLD TO MITSUBISHI METAL MINING CO. LTD.
ADDRESS #404 - 900 W. HASTINGS ST.
AT VANCOUVER, B.C.
SHIPPED TO ABOVE.

TERMS: NET 30 DAYS

DATE	PURCHASE ORDER NO.	CLERK	OUR ORDER NO.
MAY 8, 1968		ST.	7959

SHIPPED VIA	NO. OF PARCELS	SHIPPER	CASH	CHARGE	C.O.D.
OB.	3	JAD		✓	

Back Ordered	QUANTITY Ordered	QUANTITY Shipped	UNIT	CAT. NO.	DESCRIPTION	PRICE PER UNIT	AMOUNT
	2	2	ONLY	3D6	THOMMEN ALTIMETERS.	43.00	86 00
	2	2	"	15TD	360° SILVA RANGER COMPASSES	16.95	33 90
	2	2	"	100'	PACIFIC POLYCHAINS.	9.50	19 00
	2	2	DOZ.		ORANGE GLO FLUOR. FLAGGING.	11.40	22 80
	2	2	"		LIME GLO " "	11.40	22 80
	5	5	ONLY	67X	STUD FINDERS.	2.50	12 50
	1	1	"		DOUGLAS PROTRACTOR.		1 95
	2	2	"		LANGRIDGE MAP SCALES.	.65	1 30
	3	3	"	57106	W & G SCALES.	1.25	3 75
	12	12	"	888	RED MARKS-A-LOT.	.89	10 68
	12	12	"	"	BLACK "	.89	10 68
	1	1	"	45° 16"	ALPHA TRIANGLE		75
	1	1	"	30/60° 12"	" "		75
	1	1	"	45° 14"	" "		1 50
	1	1	"	30/60° 16"	" "		1 50
					PRICES O.K.		229 86
					O.K. TO PAY JT	S.S. TAX	11 49
						TOTAL	241 35

THIS IS YOUR INVOICE

(196-)

(55-A)

Columbia Industries Sales Limited

JUN 24 1968

1577 WEST GEORGIA STREET VANCOUVER 5, B.C.

PHONE 682-1667

INVOICE

S 16434

SOLD TO Mitsubishi (Canada) Ltd.

ADDRESS 404 - 900 W. Hastings St

AT Vancouver, B.C.

SHIPPED TO as sold

TERMS: NET 30 DAYS

DATE	PURCHASE ORDER NO.	CLERK	OUR ORDER NO.
June 14 1968	—	JM	10514

SHIPPED VIA	NO. OF PARCELS	SHIPPER	CASH	CHARGE	C.O.D.
DTS	1	DSH		✓	

Back Ordered	QUANTITY Ordered	QUANTITY Shipped	UNIT	CAT. No.	DESCRIPTION	PRICE PER UNIT	AMOUNT	
	48	48	rolls	red flagging	tape	$1.25/12	29	00
				balance of order				
					JUN 24 1968			
						S.S. TAX	1	45
						TOTAL	30	45

THIS IS YOUR INVOICE

P.O. BOX 6082
MONTREAL 3, QUEBEC

TERMS: NET 30 DAYS

MITSUBISHI METAL MINING
1400 900 W HASTINGS
VANCOUVER 1 B C

CUSTOMER ORDER NO.	DATE	PAGE	SALESMAN
	SEP. 11, 1968	1	43

MITSUBISHI METAL M VAN (SHIPPED TO)	52845-00 05361 B 04 (INVOICE NUMBER)

8253

Direct all correspondence pertaining to this order to the Fisher location identified on the reverse side of this sheet by the suffix number entered above.
Please show our invoice number on all correspondence

FEDERAL SALES TAX	PROVINCIAL SALES TAX	TRANSPORTATION
INCL #	EXEMPT	COLLECT

QUANTITY	UNIT	CATALOG NUMBER	DESCRIPTION	UNIT PRICE	TOTAL
1	EA	W 2	WATER DISTILLED 5GAL	17.18	# 17.18

SEP 25 1968

17.18

returnable containers are charged and must be paid for Full price returnable containers will be credited provided they are received good condition, freight prepaid, tagged with shipper's name.

THANK YOU

PAY LAST AMOUNT

8555 DEVONSHIRE RD.
TOWN OF MOUNT ROYAL
MONTREAL 9. QUE.

REMIT TO: FISHER SCIENTIFIC CO., LIMITED
P.O. BOX 6082
MONTREAL 3, QUEBEC

TERMS: NET 30 DAYS

SOLD TO

MITSUBISHI METAL MINING
1400 900 W HASTINGS
VANCOUVER 1 B C

CUSTOMER ORDER NO:	DATE	PAGE	SALESMAN
	JUL. 10, 1968	1	43

MITSUBISHI METAL M VAN (SHIPPED TO)	52845-00 (CUST. ACCT. NO.)	05361 A 04 (INVOICE NO.)

8187

Direct all correspondence pertaining to this order to the Fisher location identified on the reverse side of this sheet by the suffix number entered above.

FEDERAL SALES TAX	PROVINCIAL SALES TAX	TRANSPORTATION
INCL #	EXEMPT	COLLECT

QUANTITY	UNIT	CATALOG NUMBER	DESCRIPTION	UNIT PRICE	TOTAL
1	BX	11 394 120	GLOVES AMBIDEX 100/BX SZ MED	5.94	# 5.94
			POSTAGE		.60
					6.54

Returnable containers are charged and must be paid for. Full price of returnable containers will be credited provided they are received in good condition, freight prepaid, tagged with shipper's name

THANK YOU

PAY LAST AMOUNT

FISHER SCIENTIFIC CO., LIMITED

JUL 10 19[illegible] ORIGINAL INVOICE

8555 DEVONSHIRE RD.
TOWN OF MOUNT ROYAL
MONTREAL 9. QUE.

REMIT TO: FISHER SCIENTIFIC CO., LIMITED
P.O. BOX 6082
MONTREAL 3, QUEBEC

TERMS: NET 30 DAYS

SOLD TO

MITSUBISHI METAL MINING
1400 900 W.HASTINGS
VANCOUVER 1 B C

CUSTOMER ORDER NO.	DATE	PAGE	SALESMAN
	JUL. 08, 1968	1	43

SHIPPED TO	CUST. ACCT. NO.	INVOICE NO.
MITSUBISHI METAL M VAN	52845-00	06423 04

8185

Direct all correspondence pertaining to this order to the Fisher location identified on the reverse side of this sheet by the suffix number entered above.

FEDERAL SALES TAX	PROVINCIAL SALES TAX	TRANSPORTATION
INCL #	EXEMPT	COLLECT

QUANTITY	UNIT	CATALOG NUMBER	DESCRIPTION	UNIT PRICE	TOTAL
1	EA	S 209	SODIUM ACETATE XTL CR 5LB	9.26	# 9.26
			AIR PARCEL POST		2.20
					11.46

8555 DEVONSHIRE RD.
TOWN OF MOUNT ROYAL
MONTREAL 9, QUE.

P.O. BOX 6082
MONTREAL 3, QUEBEC

JUN 2 6

TERMS: NET 30 DAYS

SOLD TO

MITSUBISHI METAL MINING
1400 900 W HASTINGS
VANCOUVER 1 B C

CUSTOMER ORDER NO.	DATE	PAGE	SALESMAN
	JUN. 10, 1968	1	43
MITSUBISHI METAL M VAN (SHIPPED TO)	52845-00 (CUST. ACCT. NO.)	03306 D 01 (INVOICE NO.)	

8159

Direct all correspondence pertaining to this order to the Fisher location identified on the reverse side of this sheet by the suffix number entered above.

FEDERAL SALES TAX	PROVINCIAL SALES TAX	TRANSPORTATION
INCL #	EXEMPT	PREPAY & CHARGE

QUANTITY	UNIT	CATALOG NUMBER	DESCRIPTION	UNIT PRICE	TOTAL
118	EA	08 690	DISH EVAPORATING SZ 3/C	LOT	# 96.29
			POSTAGE		1.65
					97.94

Returnable containers are charged and must be paid for Full price of returnable containers will be credited provided they are received

THANK YOU

FISHER SCIENTIFIC CO., LIMITED

8555 DEVONSHIRE RD.
TOWN OF MOUNT ROYAL
MONTREAL 9, QUE.

REMIT TO: FISHER SCIENTIFIC CO., LIMITED
P.O. BOX 6082
MONTREAL 3, QUEBEC

ORIGINAL INVOICE

TERMS: NET 30 DAYS

SOLD TO

MITSUBISHI METAL MINING
1400 900 W HASTINGS
VANCOUVER 1 B C

CUSTOMER ORDER NO.	DATE	PAGE	SALESMAN
	MAY. 31, 1968	1	43

SHIPPED TO	CUST. ACCT. NO.	INVOICE NO.
MITSUBISHI METAL M VAN	52845-00	03306 A 01

8149

Direct all correspondence pertaining to this order to the Fisher location identified on the reverse side of this sheet by the suffix number entered above.

FEDERAL SALES TAX	PROVINCIAL SALES TAX	TRANSPORTATION
INCL #	EXTRA	PREPAY & CHARGE

QUANTITY	UNIT	CATALOG NUMBER	DESCRIPTION	UNIT PRICE	TOTAL
4	PK	14 955	TEST TUBE 24/PK SZ 200X25MM	4.16	# 16.64
			POSTAGE		1.80
			PROV SALES TAX		.83
					19.27

Returnable containers are charged and must be paid for Full price

THANK YOU

FISHER SCIENTIFIC CO., LIMITED

8555 DEVONSHIRE RD.
TOWN OF MOUNT ROYAL
MONTREAL 9, QUE.

REMIT TO: FISHER SCIENTIFIC CO., LIMITED
P.O. BOX 6082
MONTREAL 3, QUEBEC

JUN 2 3 1968 ORIGINAL INVOICE

TERMS: NET 30 DAYS

SOLD TO

MITSUBISHI METAL MINING
1400 900 W HASTINGS
VANCOUVER 1 B C

CUSTOMER ORDER NO.	DATE	PAGE	SALESMAN
	JUN. 21, 1968	1	43

SHIPPED TO	CUST. ACCT. NO.	INVOICE NO.
MITSUBISHI METAL M VAN	52845-00	05361 04

8170

Direct all correspondence pertaining to this order to the Fisher location identified on the reverse side of this sheet by the suffix number entered above.

FEDERAL SALES TAX	PROVINCIAL SALES TAX	TRANSPORTATION
INCL #	EXEMPT	COLLECT

QUANTITY	UNIT	CATALOG NUMBER	DESCRIPTION	UNIT PRICE	TOTAL
1	EA	H 330	HYDROXLAMIN/HCL CR 500G	20.35	# 20.35
1	EA	W 2	WATER DISTILLED 5GAL		WILL FOLLOW
1	PK	05 840	CLAMP TEST TUBE 12/PK	6.79	# 6.79
1	PK	11 380	STIRRING RODS 72/PK SZ 150 MM	2.85	# 2.85
1	BX	11 394 120	GLOVES AMBIDEX 100/BX SZ MED		WILL FOLLOW
5	EA	13 665	PIPET 10 IN 1/10ML SZ M	2.21	# 11.05
			POSTAGE		.80
					41.84

Returnable containers are charged and must be paid for. Full price

FISHER SCIENTIFIC CO., LIMITED

VANCOUVER
8505 DEVONSHIRE RD.
TOWN OF MOUNT ROYAL
MONTREAL 9, QUE.

YOUR ORDER AND REQUISITION NO. / VOTRE NO. DE COMMANDE ET RÉQUISITION

F.O.B. / F.A.B.: Col.

SOLD TO / VENDU À

Mitsubishi Metal Mining Co. Ltd.
404 - 900 West Hastings St.
Vancouver 1, B.C.

JUN 7 1968

TERMS: NET 30 DAYS
CONDITIONS: COMPTANT 30 JRS.

SHIPPED TO / EXPÉDIÉ À

Mitsubishi Metal Mining Co. Ltd.
c/o Klondike Helicppters Ltd.
Whitehorse, Airport, Whitehorse, Y.T.
Attn: Dr. Shiikawa

PROV. SALES TAX NO. / NO. TAXE PROV.	FEDERAL SALES TAX NO. / NO. TAXE FÉD.
EX	Incl @ 10%

OUR REGISTRATION NO. / NOTRE NO. D'ENREGISTREMENT	YOUR ORDER AND REQUISITION NO. / VOTRE NO. DE COMMANDE ET RÉQUISITION	DATE INVOICED / DATE DE FACTURE
52845-00V-03306C		6/5/68

QUANTITY / QUANTITÉ	CATALOG NO. / NO. DE CAT.	DESCRIPTION	UNIT PRICE / PRIX UNITAIRE	TOTAL
1 ea	14-837-2	Test Paper lot	2.91	.97
		Postage		.10
				1.07
1k				

ORIGINAL INVOICE
FACTURE ORIGINALE

54-D

P.O. BOX 2149
VANCOUVER 3, B.C.

F.O.B. Van.

JUN 18 1968

TELEPHONE 872-7641

TERMS: NET 30 DAYS

PLEASE REMIT TO:
8505 DEVONSHIRE RD.
TOWN OF MOUNT ROYAL
MONTREAL 9, QUE.

[illegible] Metal Mining
[illegible] West Hastings
[illegible]ver, B.C.

Mitsubishi Metal Mining
c/o Klondike Helicopters Ltd.
Whitehorse Airport - Whitehorse, Y.T.
Attn: Dr. Shiikawa

PROV. SALES TAX NO.	FEDERAL SALES TAX NO.
EX	Incl @ 10%

REGISTRATION NO.	YOUR ORDER AND REQUISITION NO.		DATE INVOICED
52?5-00V-04918			6/11/68

	CATALOG NO.	DESCRIPTION *	QTY. SHIP.	UNIT PRICE	TOTAL
2 ea	A-144	Hydrochloric acid 1 pt		2.93	5.86
1k					

*SAME AS QUANTITY ORDERED UNLESS SPECIFIED.

ORIGINAL INVOICE

P.O. BOX 214
VANCOUVER 3, B.C.

54-C

F.O.B.
Col.

TELEPHONE 872-7641

Mitsubishi Metal Mining Co. Ltd.
401 - 900 West Hastings Street
Vancouver 1, B.C.

JUN 12 1963

TERMS: NET 30 DAYS

PLEASE REMIT TO:
8505 DEVONSHIRE RD.
TOWN OF MOUNT ROYAL
MONTREAL 9, QUE.

SHIPPED TO

Mitsubishi Metal Mining Co. Ltd.
c/o Klondike Helicopters Ltd.
Whitehorse Airport - Whitehorse, BY.T.
Attn: Dr. Shikawa

PROV. SALES TAX NO.	FEDERAL SALES TAX NO.
EX	Incl @ 10%

OUR REGISTRATION NO.	YOUR ORDER AND REQUISITION NO.	DATE INVOICED
52845-00V-03306E		6/10/63

QTY. ORDERED	CATALOG NO.	DESCRIPTION *	QTY. SHIP.	UNIT PRICE	TOTAL
12 ea	13-676F	Pipet /lot			25.96
1k					

*SAME AS QUANTITY ORDERED UNLESS SPECIFIED.

ORIGINAL INVOICE

54-15

F.O.B. Collect

P.O. BOX 21[illegible]
VANCOUVER 3, B.C.

TELEPHONE 872-7641

JUN 6 1968

TERMS: NET 30 DAYS

PLEASE REMIT TO:
8505 DEVONSHIRE RD.
TOWN OF MOUNT ROYAL
MONTREAL 9, QUE.

Mitsubishi Metal Mining Co. Ltd.
314 - 900 West Hastings St.
Vancouver 1, B.C.

SHIPPED TO
Mitsubishi Metal Mining Co. Ltd.
c/o Klondike Helicopters Ltd.
~~Whitehorse, Airport~~
Whitehorse, Y.T. Attn: Dr. Shiikawa

PROV. SALES TAX No.	FEDERAL SALES TAX No.
EX	Incl. @ 10%

OUR REGISTRATION NO.	YOUR ORDER AND REQUISITION NO.	DATE INVOICED
52845-00V-03306-D		6/4/68

QTY. ORDERED	CATALOG NO.	DESCRIPTION	*	QTY. SHIP.	UNIT PRICE	TOTAL
7 ea	14-754-10	Support	ea		4.04	28.28

*SAME AS QUANTITY ORDERED UNLESS SPECIFIED.

ORIGINAL INVOICE

54-A

F.O.B.

P.O. BOX 2149
VANCOUVER 3, B.C.

TELEPHONE 872-7641

TERMS: NET 30 DAYS

PLEASE REMIT TO:
8505 DEVONSHIRE RD.
TOWN OF MOUNT ROYAL
MONTREAL 9, QUE.

SHIPPED TO
Mitsubishi Metal Mining
1400-900 West Hastings St.
Vancouver, B.C.

PROV. SALES TAX No.	FEDERAL SALES TAX No.
5%	Incl. @ 10%

OUR REGISTRATION NO.	YOUR ORDER AND REQUISITION NO.		DATE INVOICED
52845-00V-04626			6/4/68

QTY. ORDERED	CATALOG NO.	DESCRIPTION *	QTY. SHIP.	UNIT PRICE	TOTAL
2 ea	P-194	Potassium pyrosulphate, 1 lb ea		4.52	9.04
1 ea	4-881	Screen #80			13.91
					22.95
		5% P.S.T.			1.14
					24.09

*SAME AS QUANTITY ORDERED UNLESS SPECIFIED.

ORIGINAL INVOICE

JUN 24 1968

F.O.B.

P.O. BOX 2149
VANCOUVER 3, B.C.

TELEPHONE 872-7641

SOLD TO

TERMS: NET 30 DAYS 6

PLEASE REMIT TO:
8505 DEVONSHIRE RD.
TOWN OF MOUNT ROYAL
MONTREAL 9, QUE.

SHIPPED TO

Mitsubishi Metal Mining Co. Ltd.
Page 2

PROV. SALES TAX No.	FEDERAL SALES TAX No.

OUR REGISTRATION NO.	YOUR ORDER AND REQUISITION NO.		DATE INVOICED

QTY. ORDERED	CATALOG NO.	DESCRIPTION	*	QTY. SHIP.	UNIT PRICE	TOTAL
2 ea	13-649	Pipet, 2 ml	ea		1.81	3.62
~~2 ea~~	~~13-649~~	~~Pipet, 3 ml~~	~~ea~~		~~1.96~~	~~3.92~~
1 bg	14-127-10	Stopper, #15				8.91
~~1/2lb~~	~~14-130~~	~~Stopper, #6~~	~~lb~~		~~1.56~~	~~.78~~
4 ea	10-200	Flask, 1000 ml	ea		4.81	19.24
~~12 ea~~	~~10-200~~	~~Flask, 25 ml~~	~~ea~~		~~1.99~~	~~23.88~~
2 ea	14-804-5	Test Tube Support	ea		13.73	27.46
~~2 ea~~	~~14-754-10~~	~~Support~~	~~ea~~		~~4.04~~	~~8.08~~
12 bx	11-850	Labels 223	lot			3.64
~~2 ea~~	~~15-193~~	~~Tongs~~	~~ea~~		~~3.55~~	~~7.10~~
* 3 dz	3-338	Vials #1, 8 ml	dz		1.30	3.90
		~~* This item billing & deducting~~ only goods already rec'd.				
						~~458.04~~
bw						

*SAME AS QUANTITY ORDERED UNLESS SPECIFIED.

DUPLICATE

P.O. BOX 2141
VANCOUVER 3, B.C.

F.O.B. Collect

SOLD TO
Mitsubishi Metal Mining Co. Ltd.
404 - 900 West Hastings St.
Vancouver 1, BC

MAY 24 1968

TELEPHONE 872-7641

TERMS: NET 30 DAYS

6

PLEASE REMIT TO:
8505 DEVONSHIRE RD.
TOWN OF MOUNT ROYAL
MONTREAL 9, QUE.

SHIPPED TO
Mitsubishi Metal Mining Co. Ltd.
c/o Klondike Helicopters Ltd.
Whitehorse, Airport
Whitehorse, Y.T. Attn: Dr. Shiikawa

PROV. SALES TAX NO.	FEDERAL SALES TAX NO.
EX	Incl. @ 10%

OUR REGISTRATION NO.	YOUR ORDER AND REQUISITION NO.	DATE INVOICED
52845-00V-03306		5/22/68

QTY. ORDERED	CATALOG NO.	DESCRIPTION	*	QTY. SHIP.	UNIT PRICE	TOTAL
1 ea	A-300	Sulphuric Acid, 5 pts				5.98
2 ea	A-61	Ascorbic Acid, 5 oz	ea		11.48	22.96
5 ea	A-394	Amyl Alcohol, 1 qt	ea		4.99	24.95
1 ea	H-330	Hydroxyl Amine HCL, 100 g				6.55
2 ea	S-210	Sodium Acetate, 1 lb	ea		4.30	8.60
1 ea	6183	2-2 Biquinoline, 1 g				15.54
1 36/72pk	14-955	Test Tubes 150x16,	1 pk		8.81	13.21
4 pk	14-955	Test Tubes 200x25	lot of 10pk		41.60	16.64
1/6pk	3-409-10	Wash Bottle, 125 ml	pk		4.53	.76
1/4pk	3-409-10	Wash Bottle, 250 ml	pk		3.80	.95
2 ea	8-550	Cylinder, 1000 ml	ea		9.48	18.96
2 ea	8-550	Cylinder, 100 ml	ea		2.51	5.02
8 ea	2-546	Beakers, 1000 ml	ea		1.69	13.52
60 ea	13-649	Pipet, 1 ml	/18		27.87	92.90
60 ea	13-649	Pipet, 5 ml	/18		30.29	100.97

bw

*SAME AS QUANTITY ORDERED UNLESS SPECIFIED.

ORIGINAL INVOICE

(H)

8555 DEVONSHIRE RD.
TOWN OF MOUNT ROYAL
MONTREAL 9, QUE.

JUL 10 1968

REMIT TO: FISHER SCIENTIFIC CO., LIMITED
P.O. BOX 6082
MONTREAL 3, QUEBEC

TERMS: NET 30 DAYS

SOLD TO

MITSUBISHI METAL MINING
1400 900 W HASTINGS
VANCOUVER 1 B C

CUSTOMER ORDER NO.	DATE	PAGE	SALESMAN
	JUL. 05, 1968	1	43

MITSUBISHI METAL M VAN (SHIPPED TO)	52845-00 (CUST. ACCT. NO.)	06422 04 (INVOICE NO.)

8184

Direct all correspondence pertaining to this order to the Fisher location identified on the reverse side of this sheet by the suffix number entered above.

FEDERAL SALES TAX	PROVINCIAL SALES TAX	TRANSPORTATION
INCL #	EXTRA	DESTINATION

QUANTITY	UNIT	CATALOG NUMBER	DESCRIPTION	UNIT PRICE	TOTAL
1	EA	S 209	SODIUM ACETATE XTL CR 5LB	9.26	# 9.26
			PROV SALES TAX		.46
					9.72

Returnable containers are charged and must be paid for. Full price of returnable containers will be credited provided they are received

THANK YOU

PAY LAST AMOUNT

FISHER SCIENTIFIC CO., LIMITED

8555 DEVONSHIRE RD.
TOWN OF MOUNT ROYAL
MONTREAL 9. QUE.

REMIT TO: FISHER SCIENTIFIC CO., LIMITED
P.O. BOX 6082
MONTREAL 3, QUEBEC

JUN 2 1 1968

ORIGINAL INVOICE

TERMS: NET 30 DAYS

SOLD TO

MITSUBISHI METAL MINING
1400 900 W HASTINGS
VANCOUVER 1 B C

CUSTOMER ORDER NO.	DATE	PAGE	SALESMAN
	JUN. 21, 1968	1	43

SHIPPED TO	CUST. ACCT. NO.	INVOICE NO.
NITSUBISHI METAL M VAN	52845-00	05497 04

8170

Direct all correspondence pertaining to this order to the Fisher location identified on the reverse side of this sheet by the suffix number entered above.

FEDERAL SALES TAX	PROVINCIAL SALES TAX	TRANSPORTATION
INCL #	EXTRA	PREPAY & CHARGE

QUANTITY	UNIT	CATALOG NUMBER	DESCRIPTION	UNIT PRICE	TOTAL
1	EA	S 210	SODIUM ACETATE ANHYD CR 1LB	4.41	# 4.41
			PROV SALES TAX		.22
					4.63

FISHER SCIENTIFIC CO., LIMITED

JUN 27 1968

ORIGINAL INVOICE

8555 DEVONSHIRE RD.
TOWN OF MOUNT ROYAL
MONTREAL 9. QUE.

REMIT TO: FISHER SCIENTIFIC CO., LIMITED
P.O. BOX 6082
MONTREAL 3, QUEBEC

TERMS: NET 30 DAYS

SOLD TO

MITSUBISHI METAL MINING
1400 900 W HASTINGS
VANCOUVER 1 B C

CUSTOMER ORDER NO.	DATE	PAGE	SALESMAN
	JUN. 24, 1968	1	43

SHIPPED TO	CUST. ACCT. NO.	INVOICE NO.
MITSUBISHI METAL M VAN	52845-00	05651 04

8172

Direct all correspondence pertaining to this order to the Fisher location identified on the reverse side of this sheet by the suffix number entered above.

FEDERAL SALES TAX	PROVINCIAL SALES TAX	TRANSPORTATION
INCL #	EXTRA	DESTINATION

QUANTITY	UNIT	CATALOG NUMBER	DESCRIPTION	UNIT PRICE	TOTAL
2	EA	03 701 25	BURET W/TEFLON PLUG SZ 25ML	LOT	# 39.78
1	EA	09 035 20	DEMINERALIZER CARTRIDGE MULT	19.31	# 19.31
			PROV SALES TAX		2.95
					62.04

Returnable containers are charged and must be paid for. Full price of returnable containers will be credited provided they are received

THANK YOU

PAY LAST AMOUNT

FISHER SCIENTIFIC CO., LIMITED

P.O. BOX 2149
VANCOUVER 3, B.C.

F.O.B. Col.

SOLD TO
. Mitsubishi Metal Mining Co. Ltd.
404 - 900 W. Hastings St.
Vancouver 1, B.C.

JUN 5 1968

TELEPHONE 872-7641

TERMS: NET 30 DAYS

PLEASE REMIT TO:
8505 DEVONSHIRE RD.
TOWN OF MOUNT ROYAL
MONTREAL 9, QUE.

SHIPPED TO
. Mitsubishi Metal Mining Co. Ltd.
c/o Klondike Helicopters Ltd.
Whitehorse Airport, - Whitehorse, Y.T.
Attn: Dr. Shiikawa

PROV. SALES TAX No. EX

FEDERAL SALES TAX No. Ind @ 10%

OUR REGISTRATION NO.	YOUR ORDER AND REQUISITION NO.	DATE INVOICED
52845-00V-03306c		5/31/68

QTY. ORDERED	CATALOG NO.	DESCRIPTION *	QTY. SHIP.	UNIT PRICE	TOTAL
2 ea	14-837-2	Test Paper lot			1.94

FISHER SCIENTIFIC CO.

8555 DEVONSHIRE RD.
TOWN OF MOUNT ROYAL
MONTREAL 9, QUE.

REMIT TO: FISHER SCIENTIFIC CO., LIMITED
P.O. BOX 6082
MONTREAL 3, QUEBEC

ORIGINAL INVOICE

TERMS: NET 30 DAYS

SOLD TO

MITSUBISHI METAL MINING
1400 900 W HASTINGS
VANCOUVER 1 B C

CUSTOMER ORDER NO.	DATE	PAGE	SALESMAN
	JUL. 03, 1968	1	43

SHIPPED TO	CUST. ACCT. NO.	INVOICE NO.
MITSUBISHI METAL M VAN	52845-00	03306 F 04

8178

Direct all correspondence pertaining to this order to the Fisher location identified on the reverse side of this sheet by the suffix number entered above.

FEDERAL SALES TAX	PROVINCIAL SALES TAX	TRANSPORTATION
INCL #	EXEMPT	COLLECT

QUANTITY	UNIT	CATALOG NUMBER	DESCRIPTION	UNIT PRICE	TOTAL
2	PK	14 955	TEST TUBE 24/PK SZ 200X25MM	5.20	# 10.40
			POSTAGE		1.60
					12.00

Returnable containers are charged and must be paid for. Full price

THANK YOU

WHITEHORSE ASSAY OFFICE
P. O. BOX 346
WHITEHORSE, Y. T.

DATE Aug 29 19 68

MITSUBISHI METAL MINING

DATE	DETAILS	DEBIT	CREDIT	BALANCE
A-30-123	Cu Mo ppm			$184.50
			Paid Aug 29	
			WHITEHORSE ASSAY OFFICE	
			Per Geo. L.	

8M101 MOORE BUSINESS FORMS LTD.

WHITEHORSE ASSAY OFFICE
P. O. BOX 346
WHITEHORSE, Y. T.

DATE Aug 29 19

MITSUBISHI METAL MININ

DATE	DETAILS	DEBIT	CREDIT	BALA
A-27-53	Cu ppm			$ 6.6
			Paid Aug 29	
			Per Geo. L.	

8M101 MOORE BUSINESS FO

WHITEHORSE ASSAY OFFICE
P. O. BOX 343
WHITEHORSE, Y. T.

DATE Sept 10 19 69

MITSUBISHI

DATE	DETAILS	DEBIT	CREDIT	BALANCE
4990-25	25 Cu Mo	112.50		112.50
				112.50
	1 PER CENT INTEREST PER MONTH ON OVERDUE ACCOUNTS			

8M101 MOORE BUSINESS FORMS LTD.

WHITEHORSE ASSAY OFFICE
P. O. BOX 343
WHITEHORSE, Y. T.

DATE Aug 29 19

MITSUBISHI METAL M.

DATE	DETAILS	DEBIT	CREDIT	BAL
4474-5	5 Cu Mo			$37.
			PAID	
			Aug 2	
			WHITEHORSE ASSAY OFFICE	
			Per	

8M101 MOORE BUSINE

KLONDIKE HELICOPTERS LTD.

No. 1 HANGAR, McCALL FIELD
CALGARY, ALBERTA

SOLD TO · Mitsubishi Metal Mining Ltd.
Bank of Canada Bldg.
1401-900 West Hastings St.
Vancouver 1, B.C.

August 14, 1968

ACCOUNTS DUE WHEN RENDERED — PAYABLE AT PAR CALGARY

CUSTOMER'S ORDER NUMBER	SHIP VIA	DATE SHIPPED	AIRCRAFT	TRIP NO.
			CF-UAJ	

QUANTITY	PART NUMBER	DESCRIPTION	PRICE	AMOUNT

PILOT: B.Gagnon

TO: Charge for charter of one Bell 47G3 helicopter as per authorized Daily Flight Reports #11537 to #1150, #10831 to #10837, #10841 to #10860 attached.

FLYING: May 14th to July 13th, 1968

Misc.Charges		$ 8.25
156:30 hrs. @ $120.00 per hr. (fuel supplied by charterer)		$18,780.00
3:30 hrs. @ $130.00 per hr. (fuel supplied by carrier)		$ 455.00
50:50 hrs. @ $90.00 per hr. (fuel supplied by charterer)		$ 4,575.00
	SUB TOTAL	$23,818.25
MINIMUM for contract period		$24,000.00
Plus: Misc.charges & fuel charges		$ 43.25
	SUB TOTAL	$24,043.25
Less: Amount previously invoiced		$12,008.25
	TOTAL THIS INVOICE	$12,035.00

UBP 3

8

Charter ○ *Overhaul* ○ ○ ○ *Bell and Hiller Helicopters*

No. 2869

KLONDIKE HELICOPTERS LTD.

No. 1 HANGAR, McCALL FIELD
CALGARY, ALBERTA

SOLD TO Mitsubishi Metal Mining
Bank of Canada Bldg.
1401-900 West Hastings St.,
Vancouver 1, B.C.

September 30, 1968

ACCOUNTS DUE WHEN RENDERED — PAYABLE AT PAR CALGARY

CUSTOMER'S ORDER NUMBER	SHIP VIA	DATE SHIPPED	AIRCRAFT	TRIP NO.
			CF-SIE	

QUANTITY	PART NUMBER	DESCRIPTION	PRICE	AMOUNT

PILOT: D. Wederfort

TO: Charge for charter of one Hiller SL4 helicopter as per authorized Daily Flight Reports #13865, #13866, #13871 to #13877, #13879 to #13884, #13886 to #13889 attached.

FLYING: August 20th to September 18th, 1968

80:00 hrs. @ $140.00 per hr. — $11,200.00
(fuel supplied by carrier)

35:45 hrs. @ $130.00 per hr. — $ 4,647.50
(fuel supplied by carrier)

Cost of fuel over .50¢/gal. will be invoiced later

TOTAL INVOICE $15,847.50

Charter o *Overhaul* o o o *Bell and Hiller Helicopters*

No. 2979

WAITE-TON AERONAUTICS & EXPLORATIONS LTD.
6113 Almondel Road, West Vancouver, B. C., Canada - Telephone 922-3510

waeco
Prospecting
Geophysical Reconnaissance
Air - - - - Ground

Mitsubishi Metal Mining Co. Ltd.
900 West Hastings Street
Vancouver 1, B.C.

June 26, 1968

Airborne Geophysical Reconnaissance

Hopkins Lake area of Yukon, authorized June 13, 1968.

32 runs 5 miles long @ contract price.....$1,800.00

Positioning and base expenses.....$ 900.00

Total.....$2,700.00

Paid

100 N — 90 N — 80 N — 70 N — 60 N — 50 N — 40 N — 30 N — 20 N — 10 N — 0 — 10 S — 20 S — 30 S — 50 S — 60 S — 70 S — 80 S — 90 S — 100 S

10W — 20W — 30W — 40W — 50W — 60W — 70W — 80W — 90W — 100W — 110W — 120W — 130W

△ 5398

5000 — 4500 — 4500 — 4000 — 3500

LEGEND

- Granitic Rock
- Yukon Group
- Porphyry Dyke
- Andestic Dyke
- Showing (Mainly Py-Cp. Imp)
- ① Rock Samples

B.M.

AISHIHIK ROAD

Hopkins Lake

MITSUBISHI METAL MINING CO. LTD.

YUKON PROJECT 1968 FIG. AD-2-a

GEOLOGICAL MAP

AD CLAIM GROUP, AISHIHIK AREA

Scale: 1" = 1000'

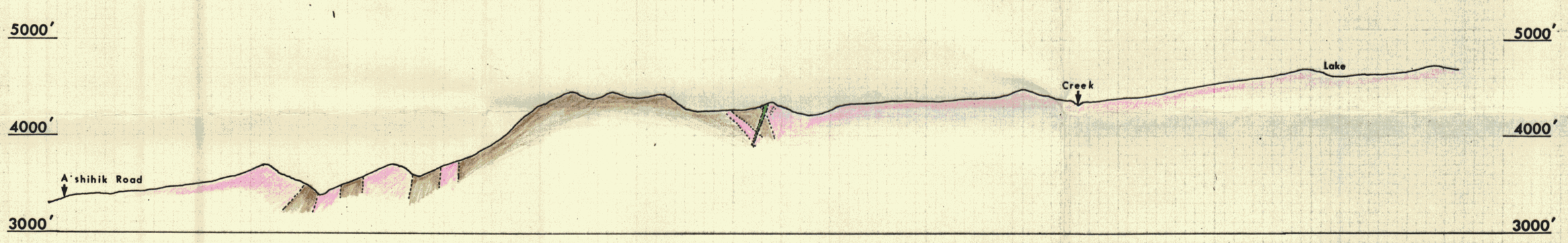
Date : Oct. 20, 1968

150W 140W 130W 120W 110W 100W 90W 80W 70W 60W 50W 40W 30W 20W

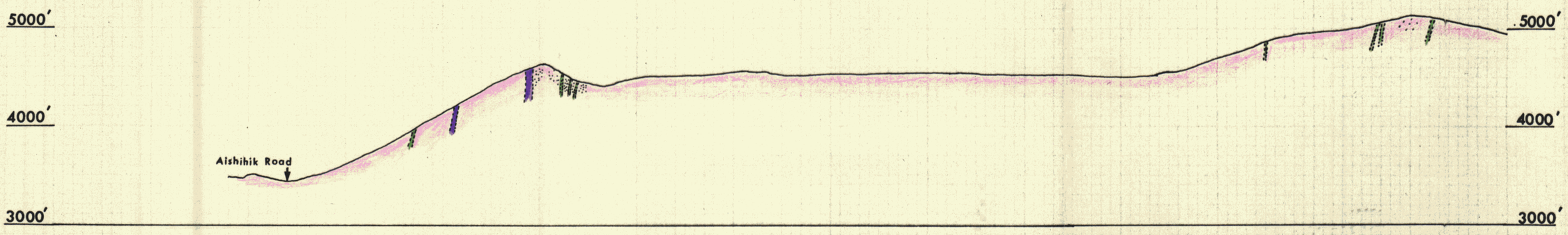
LEGEND

- Granitic Rock
- Yukon Group
- Porphyry Dyke
- Andestic Dyke
- Showing (Mainly Py-Cp. Imp)
- ① Rock Samples

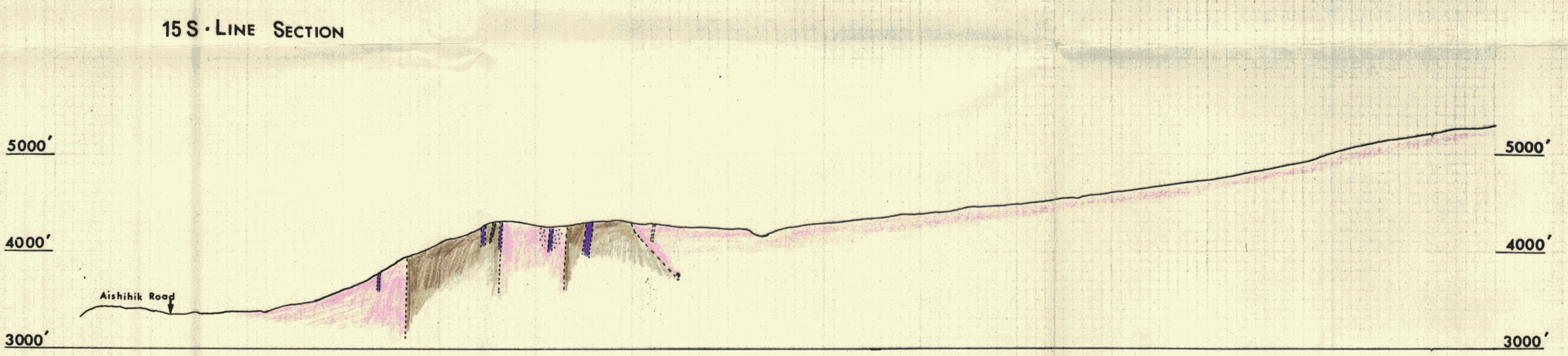
60 N· Line Section



15 N·Line Section



15 S·Line Section



MITSUBISHI METAL MINING CO. LTD.

YUKON PROJECT 1968 FIG. AD-2-b

GEOLOGICAL MAP (SECTION)
AD CLAIM GROUP, AISHIHIK AREA

Scale: 1" = 1000′ | Date : Oct. 20, 1968

100 N | 90 N | 80 N | 70 N | 60 N | 50 N | 40 N | 30 N | 20 N(A) | 10 N | 0 (B) | 0 S | 20 S(C) | 30 S | 40 S(D) | 50 S | 60 S | 70 S | 80 S | 90 S | 100 S

10 W | 20 W | 30 W | 40 W | 50 W | 60 W | 70 W | 80 W | 90 W | 100 W | 110 W | 120 W | 130 W

B.M.

LEGEND

- > 100 p.p.m.
- > 50 p.p.m.
- < 50 p.p.m.

Cu ppm

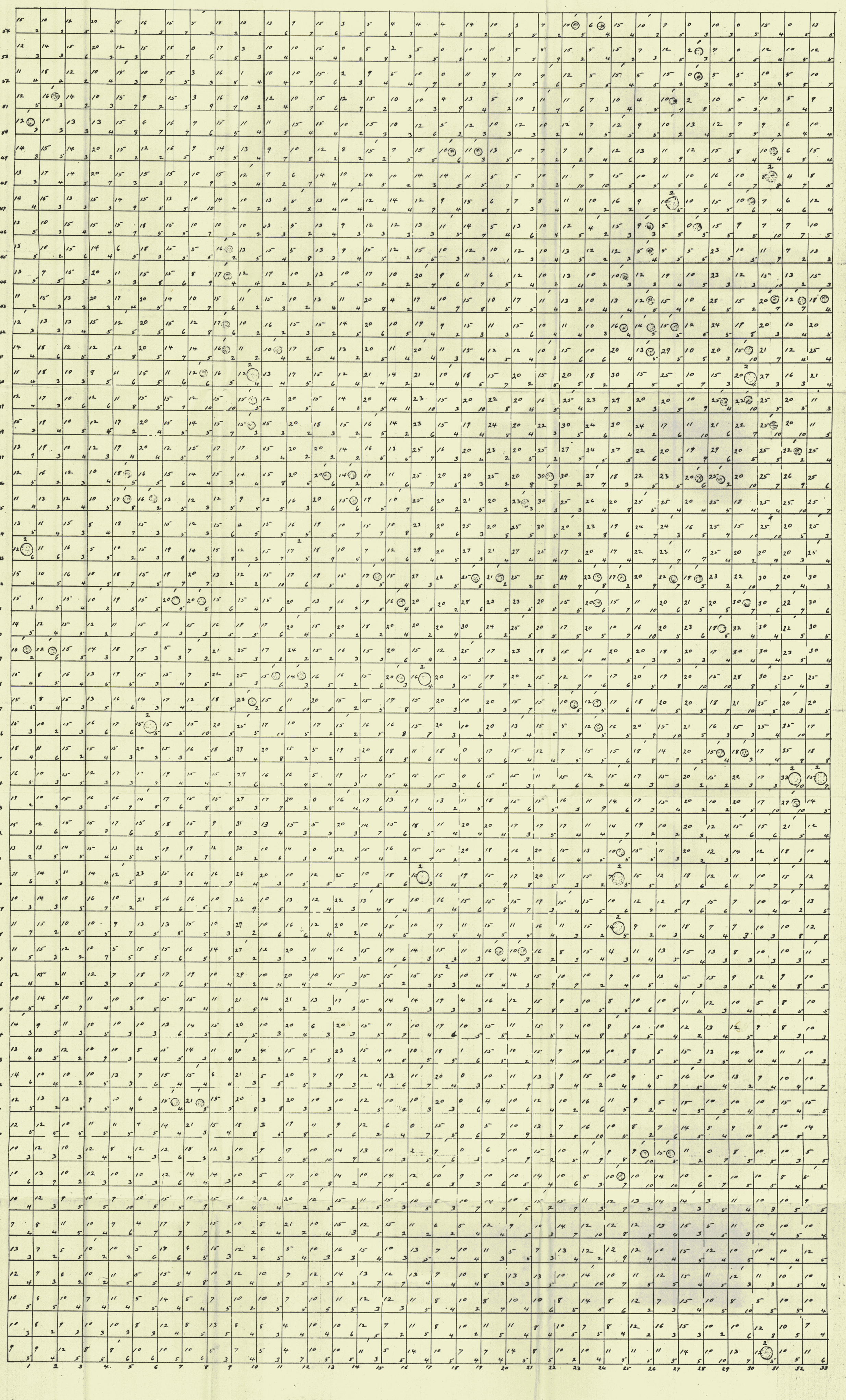
MITSUBISHI METAL MINING CO. LTD.

YUKON PROJECT 1968 FIG. AD-3

GEOCHEMICAL SOIL SAMPLING MAP
A D CLAIM GROUP, AISHIHIK AREA

Scale: 1" = 1000'

Date : Oct. 20 1968



2
7 4
ELECTROMAGNETIC IN 10 CPS
RADIOACTIVITY IN .001 MR/HR
MAGNETOMETER IN 100 GAMMAS

○ = .001 MR/HR. RADIOACTIVITY

017° T.

AIRBORNE GEOPHYSICAL RECONNAISSANCE JUNE 17, 1968
HOPKINS LAKE YUKON
GRID SCALE: 1000 FEET TO ONE INCH
PAT. No. 758308 (CANADA) 1967
WATERTON AERONAUTICS & EXPLORATIONS LTD,
Frank Waterton PRES.

MITSUBISHI METAL MINING CO. LTD.
YUKON PROJECT 1968 FIG. AD-5
AIRBORNE GEOPHYSICAL SURVEY DATA
OF AD CLAIM GROUP
Surveyed by Waterton Aeronautics & Exploration Ltd.
Scale: 1"=1000' | Date: Oct. 20, 1968

N

5398

HOPKINS LAKE

AISHIHIK ROAD

MITSUBISHI METAL MINING CO. LTD.	
YUKON PROJECT 1968	FIG. AD-6
AIRBORNE ELECTROMAGNETIC MAP OF AD CLAIM GROUP Surveyed by Waterton Aeronautics & Exploration Ltd.	
Scale: 1"=1000'	Date : Oct. 20, 1968

HOPKINS LAKE

= AREA OF S/N IN UNITS OF 10 AMP ELECTROMAGNETIC

N

5398'

HOPKINS LAKE

ASHIHIK ROAD

MITSUBISHI METAL MINING CO. LTD.

YUKON PROJECT 1968 FIG. AD-7

AIRBORNE MAGNETIC MAP OF AD CLAIM GROUP

Surveyed by Waterton Aeronautics & Exploration Ltd.

Scale: 1" = 1000'

Date : Oct. 20, 1968

AREA OF 1000 GAMMA INCREASE MAGNETOMETER

HOPKINS LAKE