

DIAMOND DRILL REPORT

BIG BULK PROPERTY
KINSKUCH LAKE
SKEENA MINING DIVISION

LATITUDE 55° 39' 48" N LONGITUDE 129° 29' 43" W
NTS 103 P/11 W

OWNER: PROCAN EXPLORATION (B.C.) CO. LTD.

OPERATOR: PROCAN EXPLORATION (B.C.) CO. LTD.

BY K. WAYNE LIVINGSTONE

JMT SERVICES CORP.

OCTOBER 1982

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

10,798

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INTRODUCTION

The BIG BULK property is located on the southeast shore of Kinskuch Lake between elevations 1117 m and 1981 m. The area of interest is located on a south facing partly treed slope, at elevation 1250 m.

Access to the property is from the end of a logging road on the Kinskuch River about 18 km to the east, or from Kitsault, B.C., about 22 km to the south. Helicopter service is available at Kitsault and float plane bases are located at Terrace and Prince Rupert, B.C..

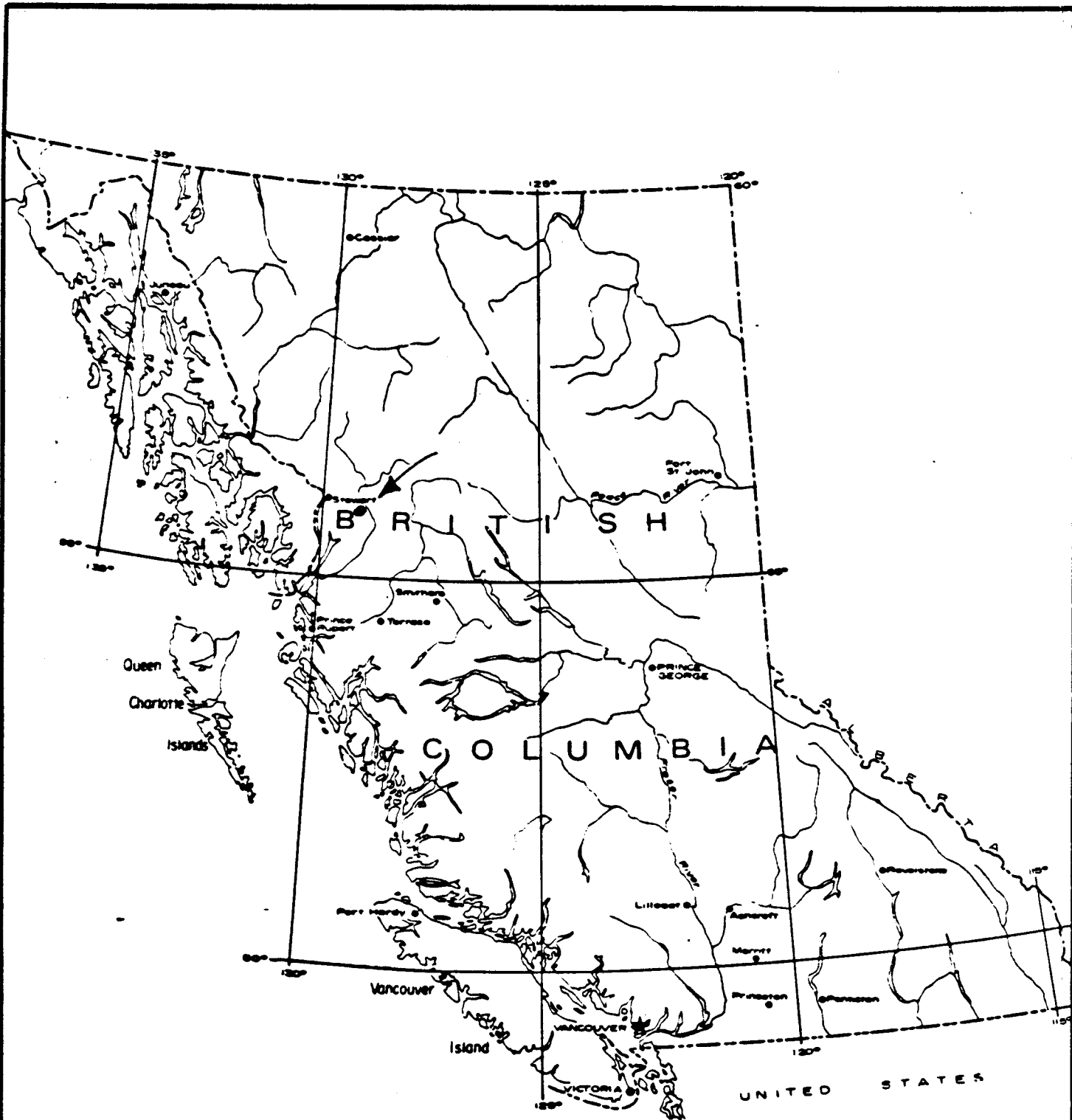
In July and August 1982 Procan Exploration (B.C.) Co. Ltd. conducted a diamond drill programme on the property using JMT Services Corp. and J.T. Thomas Diamond Drilling Co..

ore is stored on the property

PREVIOUS WORK

The zone of mineralization is quite extensive and locally forms a bright red gossan. This attracted early prospectors and pits were dug in the 1930s. In the late 1950s, Kennco Exploration acquired the prospect area and did much diamond drilling in the gossan area, finding minor values in copper. In 1970 Kerr Addison conducted a limited I.P. Survey over a moraine covered area and drilled two holes, one of which tested bedrock. The successful hole contained minor copper values. No gold assaying was done by these previous operators.

In 1979 the property was open for staking and K.W. Livingstone staked the property under an agreement with Prism Resources Ltd.. A



JMT SERVICES CORP.			
PROPERTY LOCATION MAP			
SCALE			
Mile 136		136 Mile	
Prepared by:	Date:	NTS MAP AREA	DRAWING No.
Drawn by:	Revised:		

geological map was made by JMT Services Corp. in 1979 and the property was then managed by Prism Resources in 1980 and 1981. Prism concentrated in an area of interest outlined in 1979 and conducted two programmes of surface sampling before relinquishing its interest.

In the spring of 1982, Procan entered into an exploration agreement on the property.

CLAIMS

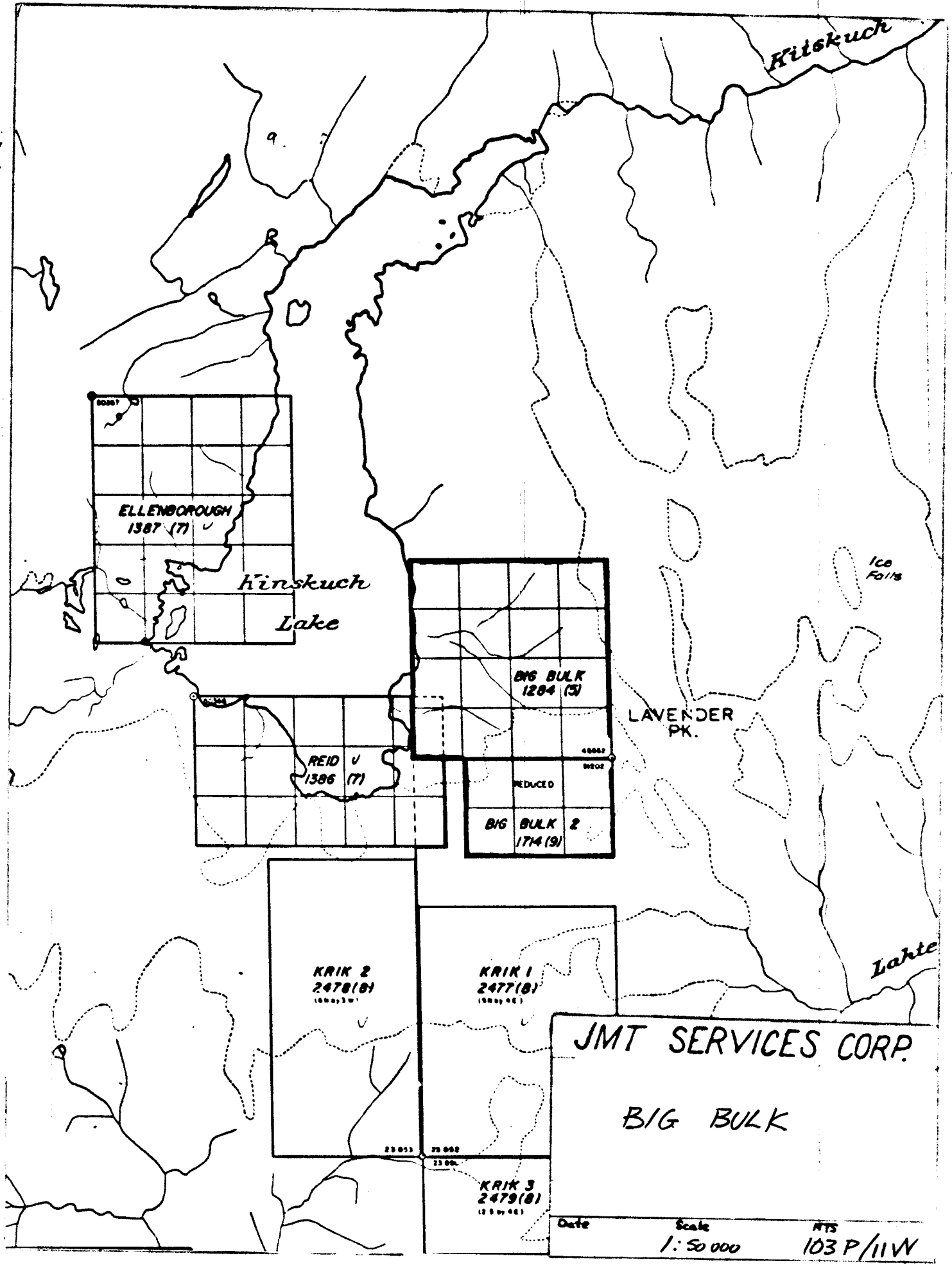
The property comprises 64 units in 5 claims.

<u>Name</u>	<u>Rec. No.</u>	<u>No. Units</u>	<u>Record Date</u>
BIG BULK	1284	16	May 14, 19
BIG BULK #2	1714	6	Sept. 17, 19
BIG BULK #3	3542	20	Aug. 12, 19
BIG BULK #4	3543	2	Aug. 12, 19
BIG BULK #5	3544	20	Aug. 12, 19

GEOLOGY

The claim area is underlain by Jurassic Hazelton group volcanics. In the mineralized area, there are andesite flows, lapilli tuff and locally breccias. Locally in outcrop and in drill core the andesitic flows are coarser grained and grade into microdiorite. Intrusive rocks are rare. A small lacolithic stock of quartz-eye porphyry and a few dykes are exposed near the east side of the sulphide system. Some lamprophyre and hornblende porphyritic andesite dykes are exposed.

The zone of best chalcopyrite mineralization is located in an area of reticulate quartz veins and is associated with minor sericite



ELLENBOROUGH
1387 (7)

Kiskadeh
Lake

REID U
1386 (7)

BIG BULK
1284 (3)

REDUCED

BIG BULK 2
1714 (9)

LAVENDER
PK.

KRIK 2
2478(8)
(180430)

KRIK 1
2477(8)
(180430)

JMT SERVICES CORP.

BIG BULK

KRIK 3
2479(8)
(180430)

Date _____ Scale 1:50,000 MTS 103 P/11W

alteration.

The drill programme was designed to test this area of the best alteration and mineralization to locate better grade mineralization possibly associated with potassic alteration.

The drill programme did not locate any zone of potassic alteration although the grade of mineralization in some holes is the best drilled on the property to date.

DIAMOND DRILLING

Drill hole

A-1	035°	-60°	255.1 m
A-2	305°	-60°	125. m
A-3	125°	-60°	168.3 m
B	121°	-70°	257.6 m
C	--	-90°	<u>77.7</u> m
			<u>883.7</u> m.

A total of 883.7 m NQ wireline drilling was completed in 5 holes between July 20 and Aug. 12, 1982.

Drill Hole A-1

Hole A-1 was drilled at 035° -60° to test a mineralized andesite quartz stock-work breccia exposed at surface. Bedrock was extremely fractured and oxidation extended to about 80 m. The depth of

oxidation was unusually high and the drill hole may have been close to a fault zone. Other holes on the same set up did not have much oxidation.

The upper part of the hole was in green andesite with minor quartz veins with some sericite on fractures. Pyrite-chalcopyrite ratios were generally 2:1 to 1:1. Grades ranged from 0.15 to 0.39% Cu depending on the total sulphide content. At 107 m. a zone of stock-work quartz veins was encountered, grades increased to 0.5% Cu. At 130 m to depth there is a sharp change in the pyrite-chalcopyrite ratio to greater than 10:1 and grades drop accordingly. The alteration becomes mainly propylitic.

Drill Hole A-2

This hole was drilled from the same set up as A-1 but at 305° -60° to a depth of 125 m. This hole had a zone of poor core recovery in the upper part of the hole in the zone of better mineralization. The interval 6.2 m to 41.1 m excluding the zone 20.1 m to 19.6 m with poor recovery assayed 0.38% Cu. The mineralized andesite in the upper 41 m has a pyrite-chalcopyrite ratio of 1:1 to 1:2. It is in fault contact near 41 m with less altered and mineralized andesite to 65-66 m where quartz stock-work is developed. There is an increase in total sulphide up to 5-6% and an increase in grade. Pyrite-chalcopyrite ratios change from greater than 10:1 to 2:1. Core recovery is generally plus 90% with only two intervals of poor recovery due to mismatch. The interval 64.6 to 125 m at the bottom of the hole assayed 0.39% Cu. Gold values were locally up to 0.012 oz/ton.

Drill Hole A-3

This hole was drilled from the same set up as A-1 and A-2 at 125° -60°. The upper part of the hole was the best mineralized section with pyrite-chalcopyrite ratio 1:1 for the top 30 m. Grades were in the 0.2 - 0.3% Cu range, however recovery in this interval was poor, 58%, as was most of the hole. Sludges were collected beginning at 18.9 m and geochemically assayed every 10 feet (3.04 m). Sludge assays were about 30% higher in the area of mineralization.

The rocks are green andesite locally fine grained microdiorite. In the upper part of the hole, fracture sericite is locally present. Below 85 m alteration is mainly propylitic. The sulphides are mainly pyrite; total sulphide is locally up to 5%.

Drill Hole B

Drill hole B was drilled at 121° -70° to a depth of 221 m. The hole is in predominantly propylitically altered andesite and microdiorite. There are local zones up to 10 m of intense bleached clay-altered andesite. In general the pyrite-chalcopyrite ratio is greater than 5:1 and assays are 0.1% Cu or less. There is a small zone of better grade 171.3 m - 188.2 with grades up to 0.29% Cu.

Drill Hole C

Drill hole C was a vertical hole drilled to 77.7 m. The top of the hole is clay altered andesite with minor sericite. Locally argillic altered zones in predominantly propylitic altered andesite is common. Pyrite-chalcopyrite ratios are high and geochemical assays are less than 800 ppm Cu

CONCLUSIONS

The 1982 drill programme located a zone of about 0.4% Cu associated with quartz stock-work in phyllic altered andesite. The zone was intersected partly in drill hole A-1 and in A-2. Hole A-2 is mainly mineralized throughout. Faulting may have off-set the better mineralized zone. Drilling to date is inadequate to entirely define the mineralized zone. There are, however, surface outcrops which limit the surface extent of better mineralization. A maximum probable size of the mineralized zone may be several tens of million tons. The possibility of better grade with a higher temperature alteration still exists. No mineralizing intrusive has been encountered to date in the drilling.

APPENDIX I

ASSAYS



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TO : JMT SERVICES CORPORATION

8827 HUDSON STREET
VANCOUVER, B.C.
V6B 4N1

BIG BULK
KINSKUCH LAKE
DDH A-1

CERT. # : A8212292-C01-A
INVOICE # : I8212292
DATE : 2-AUG-82
P.C. # : NONE

ATTN: WAYNE LIVINGSTON

Sample description	Prep code	Cu %	Au FA oz/t				
15251 7m- 9.45m	207	0.39	0.005	--	--	--	--
15252 -11.6	207	0.32	0.003	--	--	--	--
15253 -14.0	207	0.38	0.003	--	--	--	--
15254 -17.9	207	0.32	<0.003	--	--	--	--
15255 -20.4	207	0.25	<0.003	--	--	--	--
15256 22.9-25.9	207	0.24	0.003	--	--	--	--
15257 29.0	207	0.21	<0.003	--	--	--	--
15258 31.5	207	0.21	<0.003	--	--	--	--
15259 33.7	207	0.29	<0.003	--	--	--	--
15260 35.8	207	0.18	0.003	--	--	--	--
15261 39.1	207	0.26	0.003	--	--	--	--
15262 43.3-46.9	207	0.25	<0.003	--	--	--	--
15263 50.3	207	0.58	0.005	--	--	--	--
15264 53.7	207	0.40	0.003	--	--	--	--
15265 56.1	207	0.25	<0.003	--	--	--	--
15266 59.5	207	0.21	<0.003	--	--	--	--
15267 62.4	207	0.15	<0.003	--	--	--	--
15268 64.9	207	0.15	<0.003	--	--	--	--
15269 67.7	207	0.14	0.003	--	--	--	--
15270 70.5	207	0.14	<0.003	--	--	--	--
15271 73.1	207	0.28	0.003	--	--	--	--
15272 75.6	207	0.15	<0.003	--	--	--	--
15273 77.7	207	0.34	0.003	--	--	--	--
15274 80.0	207	0.29	<0.003	--	--	--	--
15275 82.0-85.3	207	0.27	0.003	--	--	--	--
15276 88.4	207	0.30	<0.003	--	--	--	--
15277 91.2	207	0.23	0.003	--	--	--	--
15278 93.3	207	0.20	<0.000	--	--	--	--
15279 96.3	207	0.23	0.003	--	--	--	--
15280 99.4	207	0.13	<0.003	--	--	--	--
15281 102.2	207	0.16	<0.003	--	--	--	--
15282 105.6	207	0.27	<0.003	--	--	--	--
15283 107.9	207	0.19	<0.003	--	--	--	--
15284 110.4	207	0.35	<0.003	--	--	--	--
15285 113.5	207	0.31	0.003	--	--	--	--
15286 116.8	207	0.54	0.003	--	--	--	--
15287 118.7	207	0.50	<0.003	--	--	--	--
15288 122.6	207	0.39	0.003	--	--	--	--
15289 125.9	207	0.29	<0.003	--	--	--	--
15290 125.9-128.3m	207	0.32	<0.003	--	--	--	--

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BIG BULK
KINSKUCH LAKE
DDH A-1

CERT. # : A8212292-C02-1
INVOICE # : I8212292
DATE : 2-AUG-82
P.O. # : NONE

ATTN: WAYNE LIVINGSTON

Sample description	Prep code	Cu %	Au FA oz/t				
15291 128.3-130.8m	207	0.18	<0.003	--	--	--	--
15292 132.6	207	0.14	<0.003	--	--	--	--
15293 135.8	207	0.10	<0.003	--	--	--	--
15294 139.4	207	0.14	0.003	--	--	--	--
15295 142.6	207	0.13	<0.003	--	--	--	--
15296 145.6	207	0.20	0.003	--	--	--	--
15297 145.6-148.3m	207	0.12	0.003	--	--	--	--



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VANCOUVER, B.C.
V6B 4N1

BIG BULK
KINSKUCH LAKE
DDH A-1
begin A-2

CERT. # : A8212477-001-A
INVOICE # : I8212477
DATE : 11-AUG-82
P.O. # : NONE

	Sample description	Prep code	Cu %	Au FA oz/t				
A-1	15298 148.3-150.9m	207	0.03	<0.003	--	--	--	--
	15299 153.3	207	0.21	<0.003	--	--	--	--
	15300 155.5	207	0.13	0.003	--	--	--	--
	15301 158.2	207	0.05	<0.003	--	--	--	--
	15302 160.7	207	0.13	<0.003	--	--	--	--
	15303 164.0	207	0.14	0.006	--	--	--	--
	15304 166.7	207	0.16	<0.003	--	--	--	--
	15305 169.8	207	0.12	<0.003	--	--	--	--
	15306 172.9	207	0.11	0.003	--	--	--	--
	15307 175.9	207	0.15	<0.003	--	--	--	--
	15308 177.7	207	0.10	<0.003	--	--	--	--
	15309 181.4	207	0.08	<0.003	--	--	--	--
	15310 184.4	207	0.04	<0.003	--	--	--	--
	15311 187.5	207	0.02	<0.003	--	--	--	--
	15312 190.5	207	0.02	<0.003	--	--	--	--
	15313 193.6	207	0.04	<0.003	--	--	--	--
	15314 197.2	207	0.06	<0.003	--	--	--	--
	15315 200.3	207	0.05	<0.003	--	--	--	--
	15316 203.3	207	0.03	<0.003	--	--	--	--
	15317 205.2	207	0.05	<0.003	--	--	--	--
	15318 208.2	207	0.05	<0.003	--	--	--	--
	15319 211.3	207	0.03	<0.003	--	--	--	--
	15320 215.5	207	0.06	<0.003	--	--	--	--
	15321 218.6	207	0.04	<0.003	--	--	--	--
	15322 221.6	207	0.03	<0.003	--	--	--	--
	15323 224.7	207	0.03	<0.003	--	--	--	--
	15324 227.7	207	0.03	<0.003	--	--	--	--
	15325 230.7	207	0.05	<0.003	--	--	--	--
	15326 233.8	207	0.27	<0.003	--	--	--	--
	15327 236.8	207	0.15	<0.003	--	--	--	--
	15328 239.8	207	0.06	<0.003	--	--	--	--
	15329 242.9	207	0.01	<0.003	--	--	--	--
	15330 246.0	207	0.02	<0.003	--	--	--	--
	15331 249.1	207	0.03	<0.003	--	--	--	--
	15332 252.1	207	0.02	<0.003	--	--	--	--
A-1	15333 252.1m-255.1m	207	0.05	0.003	--	--	--	--
A-2	15334 6.2- 9.1m	207	0.29	0.008	--	--	--	--
	15335 11.9	207	0.22	<0.003	--	--	--	--
	15336 14.9	207	0.64	0.003	--	--	--	--
	15337 17.4	207	0.39	0.010	--	--	--	--

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8827 HUDSON STREET
VANCOUVER, B.C.
V6B 4N1

BIG BULK
KINSKUCH LAKE
DDH A-2

CERT. # : A8212477-002-A
INVOICE # : 18212477
DATE : 11-AUG-82
P.O. # : NONE

Sample description	Prep code	Cu %	Au FA oz/t				
15338	17.4- 20.1m	207	0.29	0.003	--	--	--
15339	22.4m	207	0.14	<0.003	--	--	--
15340	23.1 - 26.5	207	0.27	0.003	--	--	--
15341	29.6	207	0.16	<0.003	--	--	--
15342	32.6	207	0.29	0.003	--	--	--
15343	35.4	207	0.45	0.005	--	--	--
15344	38.1	207	0.59	0.006	--	--	--
15345	41.1	207	0.39	<0.003	--	--	--
15346	44.2	207	0.22	<0.003	--	--	--
15347	47.3	207	0.06	<0.003	--	--	--
15348	50.3	207	0.13	0.003	--	--	--
15349	52.4	207	0.21	<0.003	--	--	--
15350	55.3	207	0.04	<0.003	--	--	--
15351	58.5	207	0.03	<0.003	--	--	--
15352	61.5	207	0.05	<0.003	--	--	--
15353	64.6	207	0.02	<0.003	--	--	--
15354	67.7	207	0.32	0.003	--	--	--
15355	70.7	207	0.43	0.006	--	--	--
15356	73.7	207	0.30	<0.003	--	--	--
15357	76.5	207	0.26	0.005	--	--	--
15358	79.7	207	0.36	0.006	--	--	--
15359	82.9	207	0.51	0.003	--	--	--
15360	86.0	207	0.56	0.012	--	--	--
15361	89.0	207	0.41	0.003	--	--	--
15362	92.1	207	0.34	0.003	--	--	--
15363	96.0	207	0.34	<0.003	--	--	--
15364	97.5- 100.1	207	0.46	0.006	--	--	--
15365	102.7	207	0.74	0.006	--	--	--
15366	105.9	207	0.66	0.010	--	--	--
15367	108.8	207	0.25	0.005	--	--	--
15368	111.9	207	0.40	0.003	--	--	--
15369	115.0	207	0.30	<0.003	--	--	--
15370	118.1	207	0.35	<0.003	--	--	--
15371	121.3	207	0.25	<0.003	--	--	--
15372	121.3m-125.0m	207	0.24	<0.003	--	--	--

END OF A-2

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TO : JMT SERVICES CORPORATION

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VANCOUVER, B.C.
V6B 4N1

BIG BULK
KINSKUCH LAKE
DDH A-3

CERT. # : A8212571-001-A
INVOICE # : I8212571
DATE : 12-AUG-82
P.O. # : NONE
25C

Sample description	Prep code	Cu %							
15373 9.8-12.8m	208	0.28	--	--	--	--	--	--	--
15374 15.8	208	0.29	--	--	--	--	--	--	--
15375 19.1	208	0.17	--	--	--	--	--	--	--
15376 22.2	208	0.17	--	--	--	--	--	--	--
15377 25.6	208	0.12	--	--	--	--	--	--	--
15378 28.0	208	0.08	--	--	--	--	--	--	--
15379 31.4	208	0.16	--	--	--	--	--	--	--
15380 34.7	208	0.25	--	--	--	--	--	--	--
15381 37.2	208	0.14	--	--	--	--	--	--	--
15382 41.8m	208	0.10	--	--	--	--	--	--	--
15383 44.5-47.6	208	0.09	--	--	--	--	--	--	--
15384 50.0	208	0.11	--	--	--	--	--	--	--
15385 52.4	208	0.09	--	--	--	--	--	--	--
15386 55.5	208	0.05	--	--	--	--	--	--	--
15387 58.0	208	0.13	--	--	--	--	--	--	--
15388 60.3	208	0.14	--	--	--	--	--	--	--
15389 63.4-66.3	208	0.07	--	--	--	--	--	--	--
15390 69.2	208	0.03	--	--	--	--	--	--	--
15391 72.9	208	0.08	--	--	--	--	--	--	--
15392 76.2	208	0.06	--	--	--	--	--	--	--
15393 79.3	208	0.09	--	--	--	--	--	--	--
15394 82.6	208	0.13	--	--	--	--	--	--	--
15395 86.0	208	0.20	--	--	--	--	--	--	--
15396 89.6	208	0.26	--	--	--	--	--	--	--
15397 92.7	208	0.17	--	--	--	--	--	--	--
15398 95.1	208	0.10	--	--	--	--	--	--	--
15399 97.5	208	0.11	--	--	--	--	--	--	--
15400 100.0	208	0.07	--	--	--	--	--	--	--
15401 102.7	208	0.11	--	--	--	--	--	--	--
15402 105.9	208	0.13	--	--	--	--	--	--	--
15403 108.5	208	0.09	--	--	--	--	--	--	--
15404 112.2	208	0.06	--	--	--	--	--	--	--
15405 114.7	208	0.08	--	--	--	--	--	--	--
15406 118.0	208	0.07	--	--	--	--	--	--	--
15407 121.0	208	0.07	--	--	--	--	--	--	--
15408 124.1	208	0.07	--	--	--	--	--	--	--
15409 127.1	208	0.04	--	--	--	--	--	--	--
15410 130.2	208	0.02	--	--	--	--	--	--	--
15411 133.2	208	0.02	--	--	--	--	--	--	--
15412 133.2-136.0m	208	0.01	--	--	--	--	--	--	--

Registered Assayer, Province of British Columbia





CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1

TELEPHONE: (604) 984-0221
TELEX: 043-52597

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

APR 1982

CERTIFICATE OF ASSAY

TO : JMT SERVICES CORPORATION

8827 HUDSON STREET
VANCOUVER, B.C.
V6B 4N1

BIG BULK
KINSKUCH LAKE

DDH A-3

CERT. # : A8212571-002-A
INVOICE # : I8212571
DATE : 12-AUG-82
P.C. # : NONE
250

Sample description	Prep code	Cu %						
15413 136.0-139.3m	208	0.05	--	--	--	--	--	--
15414 -142.3	208	0.02	--	--	--	--	--	--
15415 -145.3	208	0.04	--	--	--	--	--	--
15416 -148.5	208	0.05	--	--	--	--	--	--
15417 -151.3	208	0.02	--	--	--	--	--	--
15418 -154.1	208	0.03	--	--	--	--	--	--
15419 -156.2	208	0.03	--	--	--	--	--	--
15420 -160.0	208	0.03	--	--	--	--	--	--
15421 165.2-168.3m	208	0.72	--	--	--	--	--	--

E.O.H.

.....
Registered Assayer, Province of British Columbia





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• GEOCHEMISTS

• REGISTERED ASSAYERS

CERTIFICATE OF ASSAY

TC : JMT SERVICES CORPORATION

8827 HUDSON STREET
 VANCOUVER, B.C.
 V6B 4N1

HOLE - B-1

CERT. # : A8212644-001-A
 INVOICE # : 18212644
 DATE : 19-AUG-82
 P.C. # : NONE
 25C

ATTN: MARK HOGEMCEN

Sample description	Prep code	Cu %	Au FA oz/t					
15422 6.7m- 9.1m	207	0.03	<0.003	--	--	--	--	--
15423 -12.5	207	0.03	<0.003	--	--	--	--	--
15424 -15.5	207	0.01	<0.003	--	--	--	--	--
15425 -18.8	207	0.03	<0.003	--	--	--	--	--
15426 -21.9	207	0.02	<0.003	--	--	--	--	--
15427 -24.4	207	0.08	<0.003	--	--	--	--	--
15428 -27.7	207	0.05	<0.003	--	--	--	--	--
15429 -30.2	207	0.04	0.003	--	--	--	--	--
15430 -32.6	207	0.06	0.003	--	--	--	--	--
15431 -35.7	207	0.10	0.003	--	--	--	--	--
15432 -38.7	207	0.03	<0.003	--	--	--	--	--
15433 -41.8	207	0.03	<0.003	--	--	--	--	--
15434 -45.1	207	0.03	<0.003	--	--	--	--	--
15435 -47.6	207	0.01	<0.003	--	--	--	--	--
15436 -50.6	207	0.03	0.003	--	--	--	--	--
15437 -53.3	207	0.07	<0.003	--	--	--	--	--
15438 -56.4	207	0.03	0.003	--	--	--	--	--
15439 -59.4	207	0.01	0.003	--	--	--	--	--
15440 -62.5	207	0.01	0.003	--	--	--	--	--
15441 -64.9	207	0.04	0.003	--	--	--	--	--
15442 -67.7	207	0.01	<0.003	--	--	--	--	--
15443 -70.4	207	0.05	0.004	--	--	--	--	--
15444 -73.7	207	0.05	0.003	--	--	--	--	--
15445 -76.5	207	0.06	<0.003	--	--	--	--	--
15446 -79.3	207	0.08	<0.003	--	--	--	--	--
15447 -82.3	207	0.07	0.003	--	--	--	--	--
15448 -85.0	207	0.04	0.003	--	--	--	--	--
15449 -87.2	207	0.04	<0.003	--	--	--	--	--
15450 -90.2	207	0.05	<0.003	--	--	--	--	--
15451 -93.0	207	0.09	<0.003	--	--	--	--	--
15452 -96.3	207	0.13	<0.003	--	--	--	--	--
15453 -99.6	207	0.23	0.004	--	--	--	--	--
15454 -102.7	207	0.11	0.003	--	--	--	--	--
15455 -105.6	207	0.06	<0.003	--	--	--	--	--
15456 -108.8	207	0.07	<0.003	--	--	--	--	--
15457 -111.7	207	0.11	<0.003	--	--	--	--	--
15458 -114.7	207	0.05	<0.003	--	--	--	--	--
15459 -118.0	207	0.05	0.003	--	--	--	--	--
15460 -122.6	207	0.09	<0.003	--	--	--	--	--
15461 -125.6	207	0.08	<0.003	--	--	--	--	--

Bl Swate



.....
 Registered Assayer, Province of British Columbia



CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1

TELEPHONE: (604) 984-0221
TELEX: 043-52597

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

CERTIFICATE OF ASSAY

TO : JMT SERVICES CORPORATION

8827 HUDSON STREET
VANCOUVER, B.C.
V6B 4N1

CERT. # : A8212644-002-A
INVOICE # : I8212644
DATE : 19-AUG-82
P.C. # : NONE
250

ATTN: MARK HOGEMCEN

Sample description	Prep code	Cu %	Au FA oz/t				
15462	-128.7 207	0.04	<0.003	--	--	--	--
15463	-131.7 207	0.05	<0.003	--	--	--	--
15464	-134.7 207	0.06	<0.003	--	--	--	--
15465	-137.8 207	0.04	<0.003	--	--	--	--
15466	-140.8 207	0.03	0.003	--	--	--	--
15467	-143.8 207	0.06	<0.003	--	--	--	--
15468	-146.9 207	0.03	0.003	--	--	--	--
15469	-150.0 207	0.05	<0.003	--	--	--	--
15470	-152.9 207	0.04	<0.003	--	--	--	--
15471	-156.1 207	0.09	<0.003	--	--	--	--
15472	-159.1 207	0.09	0.003	--	--	--	--
15473	-162.2 207	0.26	<0.003	--	--	--	--
15474	-165.2 207	0.13	<0.003	--	--	--	--
15475	-168.3 207	0.05	<0.003	--	--	--	--
15476	-171.3 207	0.10	<0.003	--	--	--	--
15477	-174.4 207	0.15	0.003	--	--	--	--
15478	-177.4 207	0.14	<0.003	--	--	--	--
15479	-180.5 207	0.28	<0.003	--	--	--	--
15480	-183.5 207	0.23	<0.003	--	--	--	--
15481	-185.0 207	0.17	<0.003	--	--	--	--
15482	-188.2 207	0.29	<0.003	--	--	--	--
15483	-190.6 207	0.05	<0.003	--	--	--	--
15484	-193.3 207	0.04	<0.003	--	--	--	--
15485	-196.6 207	0.02	<0.003	--	--	--	--
15486	-199.7 207	0.01	<0.003	--	--	--	--
15487	-202.7 207	0.01	<0.003	--	--	--	--
15488	-205.8 207	0.05	<0.003	--	--	--	--
15489	-208.8 207	0.01	<0.003	--	--	--	--
15490	-211.9 207	0.04	<0.003	--	--	--	--
15491	-214.9 207	0.11	<0.003	--	--	--	--
15492	-218.0 207	0.24	<0.003	--	--	--	--
15493	-221.0 207	0.11	<0.003	--	--	--	--



.....
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CANADA V7J 2C1

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CERTIFICATE OF ANALYSIS

TO : JMT SERVICES CORPORATION

8827 HUDSON STREET
VANCOUVER, B.C.
V6B 4N1

BIG BULK
KINSKUCH LAKE
DDH - B-1
C-1

CERT. # : A8213101-001-A
INVOICE # : 18213101
DATE : 15-SEP-82
P.C. # : NONE

	Sample description	Prep code	Cu ppr	Au NAA ppb				
B-1	15494 221.0m-224.1m	251	1750	38	--	--	--	--
	15495 -227.1	251	1200	49	--	--	--	--
	15496 -230.1	251	1050	54	--	--	--	--
	15497 -233.5	251	400	22	--	--	--	--
	15498 -236.4	251	192	12	--	--	--	--
	15499 -239.2	251	245	14	--	--	--	--
	15500 -242.3	251	370	16	--	--	--	--
	15501 -245.4	251	335	6	--	--	--	--
	15502 -248.5	251	570	28	--	--	--	--
	15503 -251.5	251	605	102	--	--	--	--
	15504 -254.5	251	96	20	--	--	--	--
	15505 -257.6	251	64	9	--	--	--	--
C	15506 6.2 -10.0 m	251	440	28	--	--	--	--
	15507 -13.8	251	505	35	--	--	--	--
	15508 -16.5	251	330	19	--	--	--	--
	15509 -20.1	251	375	24	--	--	--	--
	15510 -23.4	251	320	21	--	--	--	--
	15511 -26.5	251	575	39	--	--	--	--
	15512 -29.6	251	470	27	--	--	--	--
	15513 -31.7	251	625	35	--	--	--	--
	15514 -34.4	251	390	25	--	--	--	--
	15515 -41.1	251	410	30	--	--	--	--
	15516 -44.2	251	415	25	--	--	--	--
	15517 -47.6	251	365	33	--	--	--	--
	15518 -49.4	251	310	25	--	--	--	--
	15519 -52.7	251	191	30	--	--	--	--
	15520 -56.4	251	235	35	--	--	--	--
	15521 -59.4	251	265	32	--	--	--	--
	15522 -62.2	251	560	87	--	--	--	--
	15523 -65.5	251	660	67	--	--	--	--
	15524 -68.7	251	375	49	--	--	--	--
	15525 -71.5	251	290	37	--	--	--	--
	15526 -74.6	251	250	56	--	--	--	--
	15527 -77.7	251	800	60	--	--	--	--



Certified by *Hart Bichler*

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CERTIFICATE OF ANALYSIS

TO : JMT SERVICES CORPORATION

8827 HUDSON STREET
 VANCOUVER, B.C.
 V6B 4N1

BIG BULK
 KINSKUCH LAKE
 DRILL HOLE A-3

CERT. # : A8213102-C01-A
 INVOICE # : I8213102
 DATE : 15-SEP-82
 P.C. # : NONE

SLUDGE SAMPLES IN AREAS
 OF POOR CORE RECOVERY

Sample description	Prep code	Cu ppm	Au NAA ppb				
29901 18.9-21.9m	205	1250	59	--	--	--	--
29902 25.0	205	1400	43	--	--	--	--
29903 28.0	205	1300	27	--	--	--	--
29904 31.1	205	1850	63	--	--	--	--
29905 34.1	205	4000	138	--	--	--	--
29906 37.2	205	2350	59	--	--	--	--
29907 40.2	205	1000	31	--	--	--	--
29908 43.3	205	1150	21	--	--	--	--
29909 46.3	205	1250	36	--	--	--	--
29910 49.4	205	1200	43	--	--	--	--
29911 52.4	205	1350	20	--	--	--	--
29912 55.5	205	1150	12	--	--	--	--
29913 58.5	205	1250	38	--	--	--	--
29914 61.6	205	1400	33	--	--	--	--
29915 64.6	205	1000	27	--	--	--	--
29916 67.7	205	800	14	--	--	--	--
29917 70.7	205	650	21	--	--	--	--
29918 73.8	205	1000	28	--	--	--	--
29919 76.8	205	650	16	--	--	--	--
29920 79.9	205	1000	30	--	--	--	--
29921 82.9	205	1200	23	--	--	--	--
29922 85.6	205	1450	72	--	--	--	--
29923 88.7	205	2000	54	--	--	--	--
29924 91.8	205	1300	43	--	--	--	--
29925 95.1	205	1050	38	--	--	--	--
29926 98.2	205	1050	28	--	--	--	--
29927 101.3	205	750	29	--	--	--	--
29928 104.3	205	900	31	--	--	--	--
29929 107.4	205	850	27	--	--	--	--
29930 131.7-134.8	205	610	108	--	--	--	--
29931 -137.8	205	415	30	--	--	--	--
29932 150.0-153.0	205	400	47	--	--	--	--
29933 -156.1	205	265	22	--	--	--	--
29934 159.1-162.2	205	325	19	--	--	--	--
29935 -165.2	205	540	32	--	--	--	--
29936 168.3-171.3	205	440	30	--	--	--	--
29937	205	350	33	--	--	--	--
29938	205	525	46	--	--	--	--
29939	205	625	53	--	--	--	--

meters



Certified by *Hart Bichler*

APPENDIX II

STATEMENT OF COSTS

STATEMENT OF COSTS

WAGES

K. W. Livingstone, Geologist May 6 - August 26	40 days @ \$225.00	\$ 9,000.00
J. S. Christie, Geologist May 6 - August 26	4 day @ \$225.00	900.00
C. Harivel, Geologist July - Aug 26	43 days @ \$225.00	9,675.00
W. A. Howell, Geologist July	3 days @ \$225.00	675.00
M. Hagemoen, Assistant July - August 24	47 days @ \$125.00	5,875.00
S. Courte, Assistant July 5 - 26	19 days @ \$125.00	<u>2,375.00</u>
	subtotal	\$28,500.00

DISBURSEMENTS

B. C. Wire & Rope	\$ 179.08	
	79.37	
C. P. Freight	29.93	
Radio, rental	742.00	
Canadian Cellulose	258.25	
Canadian Freight	879.54	
Chemex Labs	740.25	
D-Line Carrier	49.00	
Drilcor	1,014.95	
M. Home	61.87	
Loomis	18.00	
Richmond Reproduction	43.67	
Riv Tow Straits	451.00	
Tilden Truck	458.29	
Shell Canada	2,129.30	
Smithers Transport	35.00	
	585.00	
Trans Provincial Airlines	429.80	
	350.00	
	512.00	
C. P. Freight	235.98	
D-Line Carrier	6.00	
C. P Air	39.00	
P.W.A.	130.70	
C. Harivel expenses	401.62	
M. Hagoemoen, expenses	14.70	
K. W. Livingstone, expenses	3,336.78	
B. C. Tel	176.12	
Hudson Building Supplies (camp, drilling supplies)	5,845.48	
JMT Services Corp.	1,456.87	
Equipment rental	<u>600.00</u>	22,471.00
J. T. Thomas Drilling (1980) Ltd.		88,523.43
Vancouver, Island Helicopter		21,303.00
		22,552.25
Northern Mountain Helicopters		5,188.35
		<u>\$188,538.03</u>

APPENDIX III

STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, K. WAYNE LIVINGSTONE of Vancouver, British Columbia do hereby certify that,

1. I am a Professional Geologist, working in British Columbia and residing at 6775 West Blvd., Vancouver, B.C.
2. I am a graduate of CARLETON UNIVERSITY, Ottawa, Ontario with a B.Sc. honours geology, 1966.
3. I am a graduate of the UNIVERSITY OF BRITISH COLUMBIA with a M.Sc. geology, 1968.
4. I have practiced my profession as a mining exploration geologist since 1965.
5. I am a Member of the Geological Association of Canada.
6. I am a Member of the C.I.M.M.
7. This report is based on personal knowledge of the geology and mineral potential of the claim area.



Oct. 82

K. Wayne Livingstone, M.Sc.

JMT Services Corp.

8827 HUDSON STREET · VANCOUVER, B.C. V6P 4N1
TELEPHONE 266-1811

HOLE NO: A-1 PAGE-1

LOCATION: _____
AZIMUTH: 035°
DIP: _____
STARTED: JULY 20 / 82
COMPLETED: JULY 27 / 82
PURPOSE: _____

PROPERTY: BIG BULLIC
CLAIM NO: _____
SECTION: A-1
LOGGED BY: KWL CH

LENGTH: 255.1 m (837') ELEVATION: _____
CORE SIZE: NQ DATE LOGGED: _____
DIP TESTS: 255.1 m (61°) 133.2 m. (61°)

GEOLOGICAL BRANCH ASSESSMENT REPORT

10,798

METERS		DESCRIPTION	SAMPLE NO:	from		RECOVERY LENGTH	ALTERATION NOTES	PY/CP	% Tot. SULPH.	% Cu
from	to			from	to					
7.0	9.45	grey-green andesite	15251			92	chl	1/1	1.0	.39
	11.6	with minor quartz and calcite stringers - oxidized	2			111	minor sericite	1/1		.32
	14.0		3			116	"	to		.38
	17.9	melconite - malachite - rare	4			64	"			.32
	20.4		255			40	sericite on fractures	2/1		.25
	22.9	azurite - leached quartz				66				.32
	25.9		256			66		weak 1/2		.24
	29.0	veinlets	7			61			1/2	.21
	31.5		8			74	chl-epidote			.29
	33.7	chalcoite minor	9			102	minor			.29 .29
	35.8		260			78	sericite			.26 .18
	39.1	fault zone at 50m. - 1m wide	1			30	chlorite			.26
	43.3		NOT ASSAYED NO CORE			40				.26
	46.9	oxidized magnetite disseminated	2			64	weak chl.			.40 .25
	50.3		3			70			1+	.25 .58
	53.7	oxides decreasing to nil	4			87	fracture sericite		1+	.25 .40
	56.1		5			85			1	.25 .25
	59.5		6			49			1/2	.25 .21
	62.4		7			55			1/2	.25 .15
	64.9		8			96				.15
	67.7		9			90				.14
	70.5		270			82				.14
	73.1		1			83				.28
	75.6		2			88				.15
	77.7		3			93				.34

METERS		DESCRIPTION	SAMPLE NO	from	to	RECOVERY LENGTH	ALTERATION	PY/CP	TOT SULPHIDE	GRADE
from	to									
77.7	80.0	grey-green andesite locally	15274			52		V1	1+	.29
	82.0		NO SAMPLE	NO	RECOVERY		fracture sericitic		1-2	.29
	85.3	grading into microdiorite	5			89				.30
	88.4	microdiorite with	6			84	with some sericit	10		.23
	91.2		7			96	after biotite			.20
	93.3	minor andesite	8				in			.23
	96.3		9				microdiorite	2/1		.13
	99.4		80							.16
	102.4		1				magnetite veinlets			.27
	105.6		2			99	and desm.			.27
	107.9	quartz stockwork breccia	3			91	magnetite			.19
	110.4		4			100				.35
	113.5	in green andesite	5			68				.31
	116.8		6			82				.54
	118.7	abundant vuggy quartz	7			100		1/1		.50
	122.6		8			99		2/1		.39
	125.9	veinlets	9			92	blk chl. on fract.	3/1		.29
	128.3		90			96	prev. chlorite	3/1		.32
	130.8	well developed breccia texture	1			46		10/1		.18
	132.6		2			111				.14
	135.8		3			17				.10
	139.4		4			79	chl-clay	5/1	2+	.14
	142.6		5			69	alteration			.13
	145.6		6			77				.20
	148.3	abund. stickensides	7			68				.12
	150.9		8			79				.03
	153.3		9			62		9/1		.21
	155.5	andesite breccia	15300			129	chlorite and	+10/1	3+	.13
	158.2		1			94	hematite with			.05
	160.7	locally light green due	2			100				.13
	164.0	to alteration	3			100	local intense		5+	.14
	166.7		4			100				.16
	169.3		5			82	bleaching-clay			.12
	172.9		6			100				.11
	175.9		7			100	alteration			.15
	187.7		8			100			3	.10
	181.4		9			92			3	.08
	184.4		15310			93			3	.04

JMT Services Corp.

8827 HUDSON STREET · VANCOUVER, B.C. V6P 4N1
TELEPHONE 266-1811

HOLE NO: **A-2** PAGE **1**

LOCATION:

AZIMUTH: **305°**

DIP: **-60°**

LENGTH: **125 m (410')**

ELEVATION: CLAIM NO: **RIG BULK**

STARTED: **JULY 27/82**

CORE SIZE: **NQ**

DATE LOGGED: SECTION:

COMPLETED: **JULY 31/82**

DIP TESTS: **-64°**

LOGGED BY: **C.H.**

PURPOSE:

METERS		DESCRIPTION	SAMPLE NO:	RECOVERY		ALTERATION	PY/CP	TOT % SULPHIDE	% Cu
from	to			from	to				
6.2	9.1	green andesite - oxidized to 12 m.	15334		79	chlorite	1/2	1	.29
	11.9		5		121	sericite on fract.	1/1	↑	.22
	14.9	minor quartz veinlets	6		100	par.			.64
	17.4		7		100	sericite			.39
	20.1	vuggy quartz	8		140	with			.29
	22.4		9		67	chlorite			.14
	23.1		NO CORE		0				N.A.
	26.5		15340		49				.27
	29.6		1		13				.16
	32.6		2		83				.29
	35.4		3		100	chl - carbonate		↓	.45
	38.1	local berrite	4		100	sericite		1-2	.59
	41.1		5		100		1/1	1-2	.39
	44.2	fault zone	6		100		1/2	1-	.22
	47.3		7		100	carbonate - chlorite	10/1	2-4	.06
	50.3	green andesite	8		100			5±	.13
	52.4		9		100				.21
	55.3		15350		100				.04
	58.5		1		100				.03
	61.5		2		100				.05
	64.6	andesite with microdiorite	3		100				.02
	67.7		4		92				.32
	70.7	mainly microdiorite	5		100	local bleaching	5/1		.43
	73.7		6		100	clay alteration			.30
	76.5	with quartz veins	7		100	mix			.26
	79.7		15358		100	sericite			.36

~~15357~~

JMT Services Corp.

8827 HUDSON STREET · VANCOUVER, B.C. V6P 4N1
TELEPHONE 266-1811

HOLE NO: **A-3**

LOCATION:

AZIMUTH: **125°**

PROPERTY: **BIG BULK**

DIP: **-60°**

LENGTH: **168.25 m (552')** ELEVATION:

CLAIM NO: **BIG BULK**

STARTED: **JULY 31/82**

CORE SIZE: **NØ** DATE LOGGED:

SECTION:

COMPLETED: **AUG 3/82**

DIP TESTS: **149.7 m 66° 168 m 70°**

LOGGED BY: **C.H.**

PURPOSE:

from	to	DESCRIPTION	SAMPLE NO:	from	to	RECOVERY LENGTH	ALTERATION	PY/CP	% TOX. SULPH.	% Cu
9.8	12.8	green andesite - oxidized minor qtz veins with microdiorite	15373			82	sericite	1/1	1	.28
	15.8		4			101	-chlorite		1-2	.29
	19.1		5			33	with carbonate			.17
	22.2		6			77				.17
	25.6		7			42				.12
	28.0		8			40				.08
	31.4		9			37	mainly CH-			.16
	34.7		15380			44	carbonate - hem	3/1	1	.25
	37.2		alternating with gradational	1		50		10/1	1-	.14
	41.8		contact - green andesite	2		63			1-	.10
	43.3	and microdiorite	NO CORE			NIL		10/1		—
	44.5		NO CORE			NIL				—
	47.6		3			79		+10/1	1-	.09
	50.0		4			98			2	.11
	52.4		5			69			2	.09
	55.5		6			42			1	.05
	58.0		7			102			1-2	.13
	60.3		8			70				.14
	61.8		NO CORE			NIL				—
	63.4		NO CORE			NIL				—
	66.3	mainly microdiorite	9			38				.07
	69.2		15390			34				.03
	72.9		1			23				.08
	76.2		2			108				.06
	79.3		3			55				.09
	82.6		4			40				.13

From	To	DESCRIPTION	SAMPLE NO	From	To	RECOVERED LENGTH	ALTERATION	PY/CP	% TOT SULPHIDE	% Cu
82.6	86.0	green andesite	15395			57		+10%		.20
	89.6		6			47	mainly			.26
	92.7		7			26				.27
	95.1		8			17	chlorite - epidote			.10
	97.5	andesite and microdiortite	9			63				.11
	100.0		15400			76	carbonate			.07
	102.7		1			63				.11
	105.9		2			73	with local			.13
	108.5		3			79				.09
	112.2		4			97	zones of			.06
	114.7		5			102				.08
	118.0		6			100	clay			.07
	121.0		7			101				.07
	124.1		8			101				.07
	127.1		9			101	alteration			.09
	130.2	mainly andesite	15410			106				.02
	133.2		1			98				.02
	136.0		2			19				.01
	139.3		3			47				.05
	142.3		4			73				.02
	145.3		5			82				.04
	148.5		6			50				.05
	151.3		7			84				.02
	154.1		8			20				.03
	156.2		9			64				.03
	160.0		15420			57				.03
	165.2		NO CORE							—
	168.3		15421			15				.72
	E.O.H.									
		NOTE: HOLE STOPPED DUE TO EXCESSIVE CAVING RODS WHIPPING MOTOR STALLED SEVERAL TIMES.								

JMT Services Corp.

8827 HUDSON STREET · VANCOUVER, B.C. V6P 4N1
TELEPHONE 266-1811

LOCATION: _____
 AZIMUTH: 121°
 DIP: -70°
 STARTED: AUG 4 / 82
 COMPLETED: AUG 10 / 82
 PURPOSE: _____

HOLE NO: B-1 PAGE 1
 PROPERTY: BIG BULK
 CLAIM NO: BIG BULK
 SECTION: _____
 LOGGED BY: _____

from	to	DESCRIPTION	SAMPLE NO:	from	to	LENGTH	ALTERATION	% CP	% TOT. SULPH.	% Cu
6.2	9.1	green andesite	15422					5/1	1.2	.03
	12.5			3						.03
	15.5			4						.01
	18.8			5						.03
	21.9			6						.02
	24.4			7						.08
	27.7			8						.05
	30.2			9						.04
	32.6			15430						.06
	35.7			1						.10
	38.7		2						.03	
	41.8		3						.03	
	45.1		4						.03	
	47.6		5					10/1	3	.01
	50.6		6							.03
	53.3		7							.07
	56.4		8							.03
	59.4		9							.01
	62.5		15440							.01
	64.7		1							.04
	67.7		2							.01
	70.4		3							.05
	73.7		4							.05
	76.5		5							.06
	79.3		6							.08
	82.3		7							.07

JMT Services Corp.

8827 HUDSON STREET · VANCOUVER, B.C. V6P 4N1
TELEPHONE 266-1811

HOLE NO: *C-1*

LOCATION:

AZIMUTH:

PROPERTY: *BIG BULK*

DIP: *VERTICAL*

LENGTH: *77.7 m (256')* ELEVATION: *3940' ±*

CLAIM NO:

STARTED: *AUG 10 / 82*

CORE SIZE: *NQ*

DATE LOGGED:

SECTION:

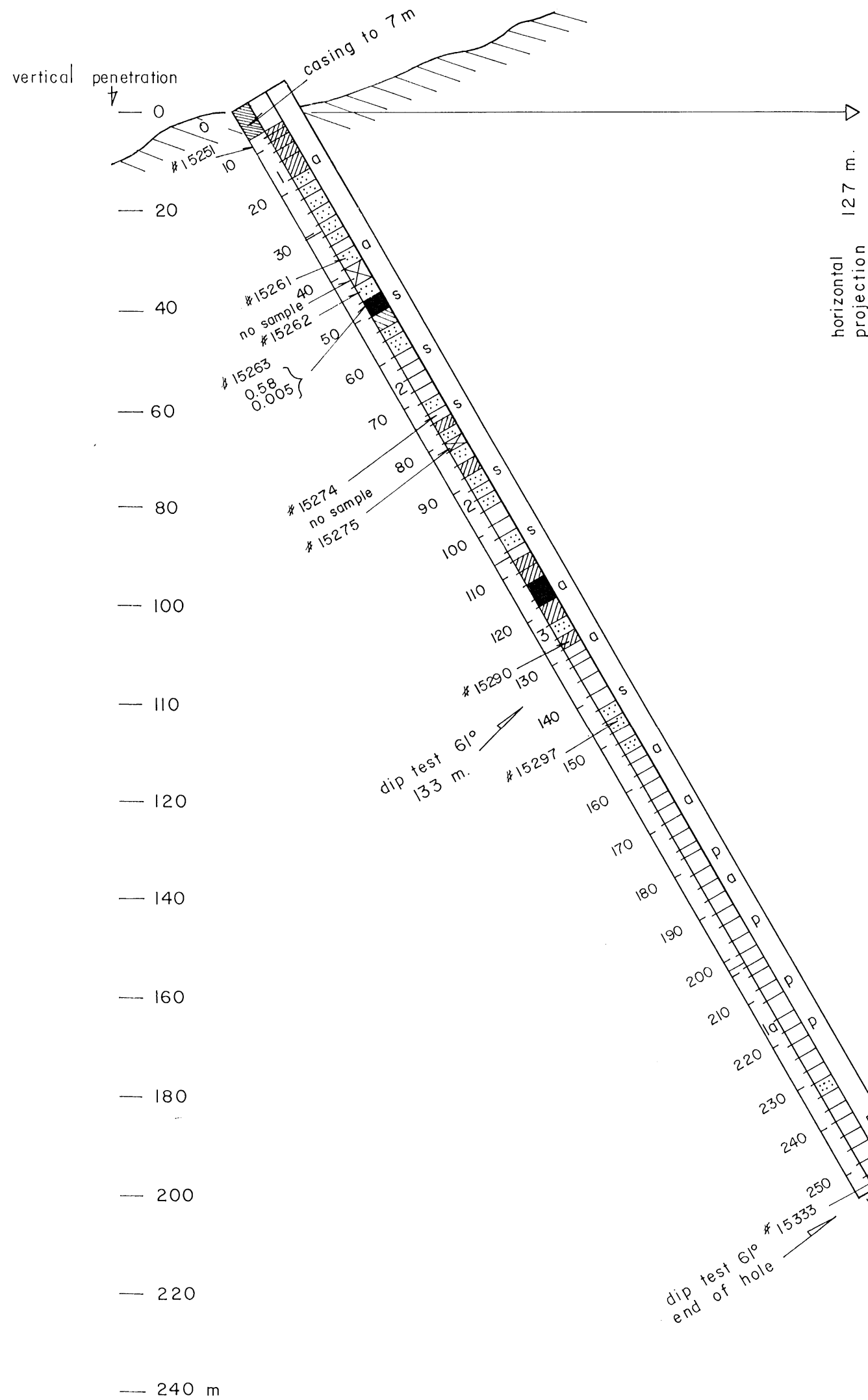
COMPLETED: *AUG 12 / 82*

DIP TESTS:

LOGGED BY:

PURPOSE:

from	to	DESCRIPTION	SAMPLE NO:	from	to	LENGTH	ALTERATION	PY/CP	% TO SULPH.	% Cu	
6.2	10.0	<i>green andesite</i>	15506						4-5	.04	
	13.8			7				<i>minor quartz veins</i>	<i>+10%</i>		.05
	16.5			8							.03
	20.1			9							.04
	23.4			15510				<i>chlorite-ep.</i>			.03
	26.5			1				<i>carbonate</i>			.06
	29.6			2							.05
	31.7			3							.06
	34.4			4				<i>with</i>			.04
	37.5			<i>NO CORE</i>							.04
	41.1			5				<i>zones of</i>			.04
	44.2			6				<i>strong</i>		5-6	.03
	47.6			7				<i>argillic</i>			.02
	50.4			8				<i>alteration</i>			.02
	52.7			9							.02
	56.4			15520							.02
	59.4			1							.02
	62.3			2							.06
	65.5			3							.06
	68.7			4							.04
	71.5		5							.03	
	74.6		6							.02	
	77.7		15527							.08	



LEGEND

Lithology

- 1 — Green andesite flows and breccias
- 1a — Dioritized andesite
- 2 — Microdiorite
- 3 — Secondary breccia

Alteration

- s — mainly sericitic alteration
- a — mainly argillic alteration
- p — mainly propylitic alteration

Assays

- <math>< 0.2</math>
- .2 — .295
- .3 — .395
- .4 — .495
- .5 +

Collar Elev: 4130'

Depth: 255.1 m

Azim: 035°

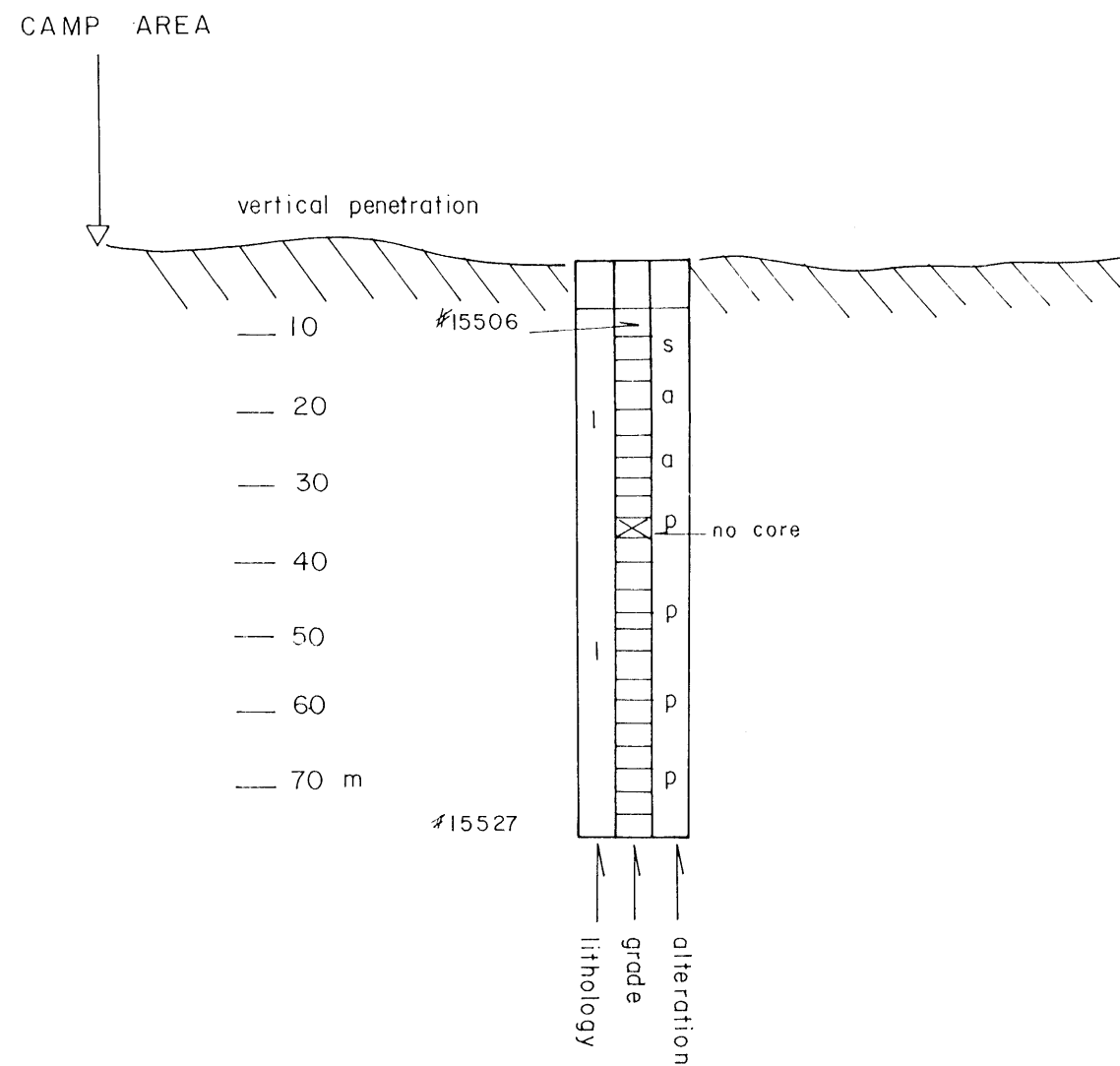
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ASSESSMENT REPORT**

10,798

JMT SERVICES CORP.

BIG BULK PROPERTY
DDH SECTION
HOLE A-1 (1)

July — Aug. 1982



L E G E N D

Lithology

- I — Green andesite flows and breccias
- Ia — Dioritized andesite
- 2 — Microdiorite
- 3 — Secondary breccia

Alteration

- s — mainly sericitic alteration
- a — mainly argillic alteration
- p — mainly propylitic alteration

Assays

- [White box] < 0.2
- [Dotted box] .2 — .295
- [Diagonal lines /] .3 — .395
- [Diagonal lines \] .4 — .495
- [Solid black box] .5 +

Collar Elev: 3960'

Depth: 77.7 m

Azim:

Dip: —90°

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

10,798

JMT SERVICES CORP.

BIG BULK PROPERTY

DDH SECTION

HOLE C-1

④

July — Aug. 1982

L E G E N D






Lithology

- 1 — Green andesite flows and breccias
- 1a — Dioritized andesite
- 2 — Microdiorite
- 3 — Secondary breccia

Alteration

- s — mainly sericitic alteration
- a — mainly argillic alteration
- p — mainly propylitic alteration

Assays

-  < 0.2
-  .2 — .295
-  .3 — .395
-  .4 — .495
-  .5 +

Collar Elev: 4130' (site B @ 3940')

Depth: A-2, 125.25 m; A-3, 168.25 m.

Azim: A-2, 305°; A-3, 125°

Dip: A-2, -60°; A-3, -60°

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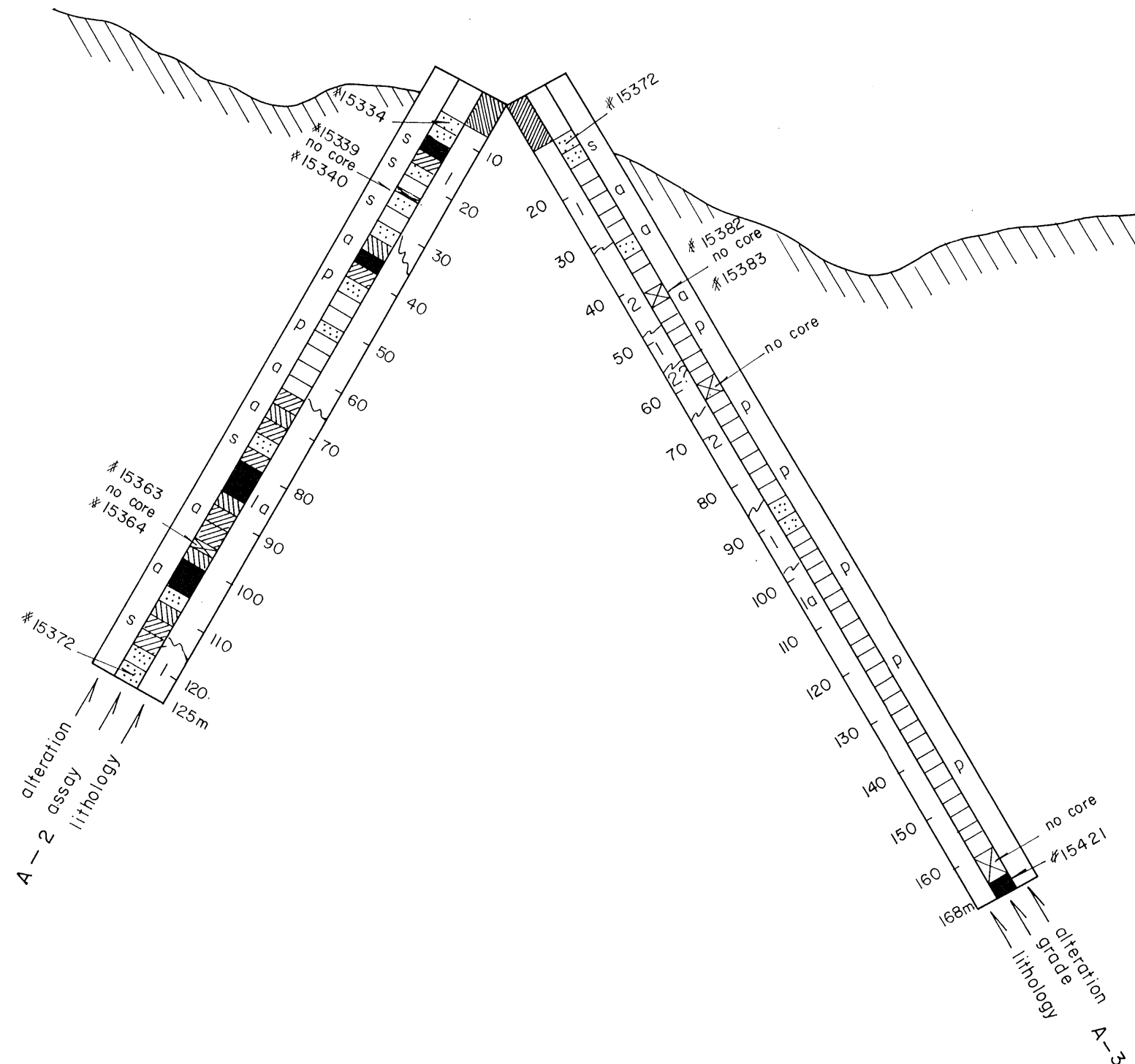
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BIG BULK PROPERTY
DDH SECTION

HOLES A-2 and A-3

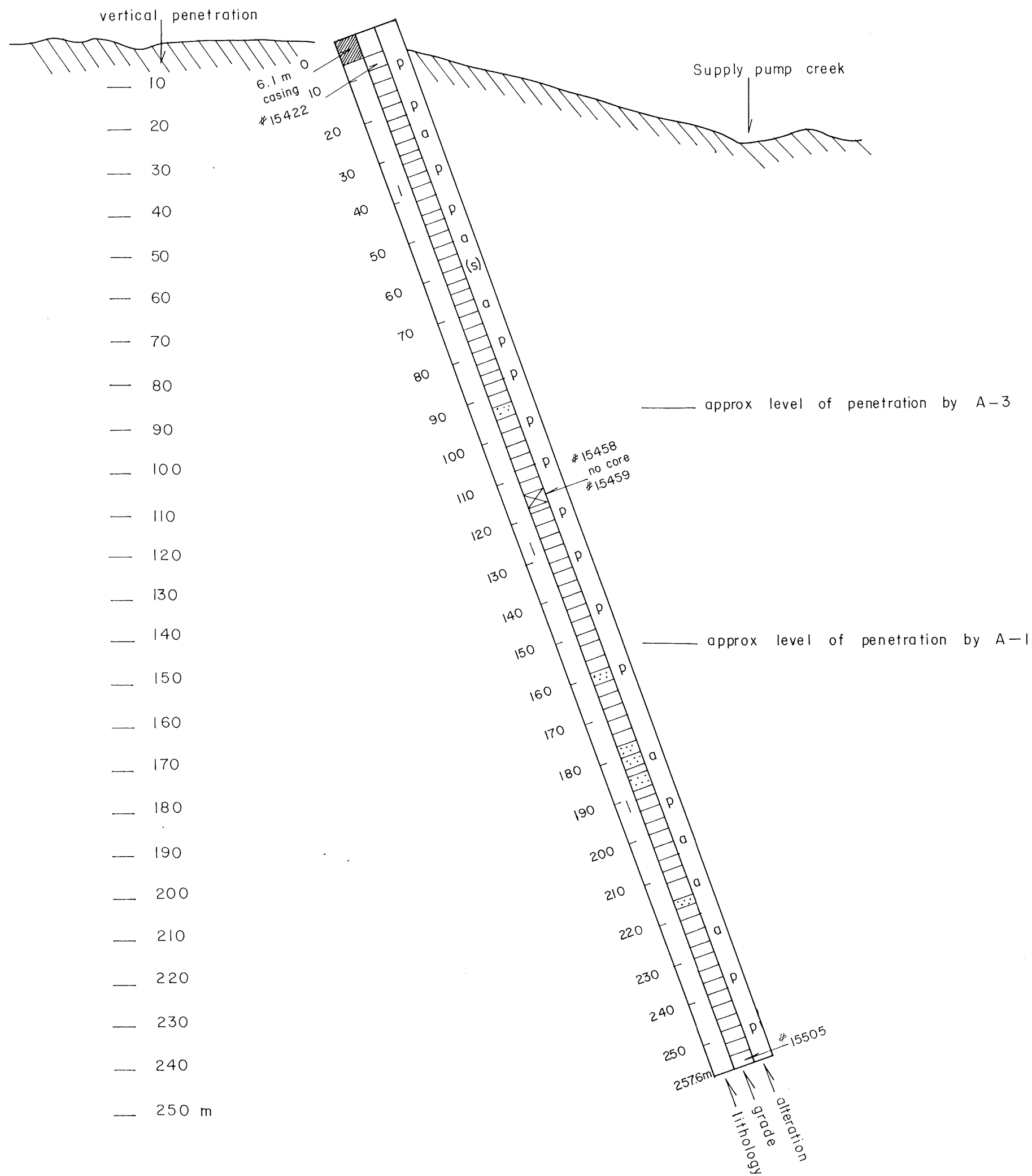
3

July — Aug. 1982



Vertical Penetration

- 0m
- 10
- 20
- 30
- 40
- 50
- 60
- 70
- 80
- 90
- 100
- 110
- 120
- 130
- 140
- 150m



LEGEND

Lithology

- l — Green andesite flows and breccias
- la — Dioritized andesite
- 2 — Microdiorite
- 3 — Secondary breccia

Alteration

- s — mainly sericitic alteration
- a — mainly argillic alteration
- p — mainly propylitic alteration

Assays

- < 0.2
- .2 — .295
- .3 — .395
- .4 — .495
- .5 +

Collar Elev: 3940'

Depth: 257.6 m

Azim: 121°

Dip: —70°

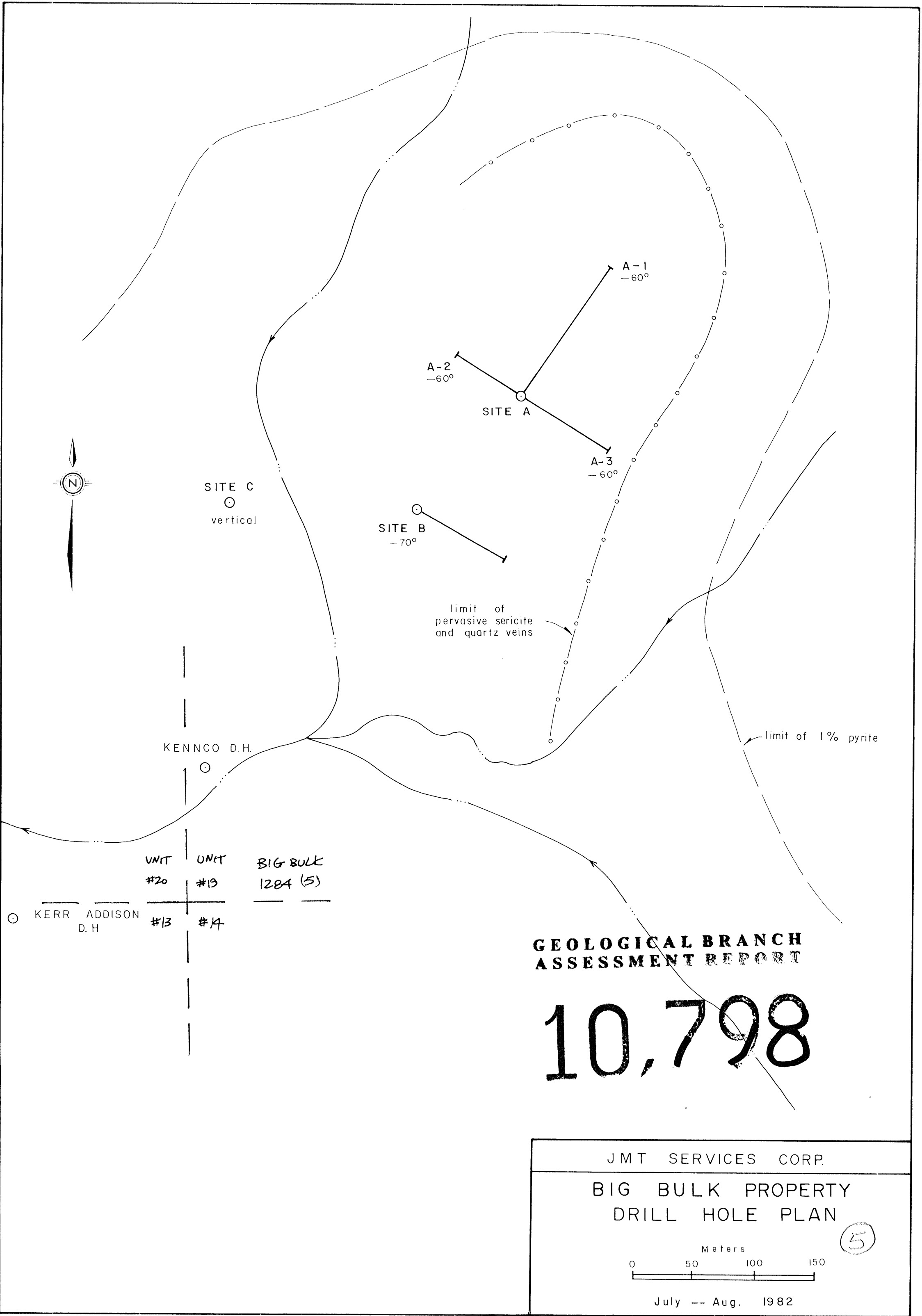
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BIG BULK PROPERTY
DDH SECTION
HOLE B-1 (2)

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JMT SERVICES CORP.

BIG BULK PROPERTY
DRILL HOLE PLAN

Meters
0 50 100 150

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